DOUGLAS 234 FILING NO. 6, LOT 3

A PORTION OF THE SOUTHEAST 1/4 OF THE SECTION 29,
TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH P.M.
TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO

SITE PLAN

CONTACTS:

DEVELOPER:
MCDONALD'S USA, LLC
4643 S. ULSTER STREET, SUITE 1300
DENVER, CO 80237
TEL: (303) 519-4001
CONTACT: KORTNEY PEDIGO

ARCHITECT:
CORESTATES GROUP
135 WATER STREET, SUITE 201
NAPERVILLE, IL 60540
TEL: (224) 585-4582
CONTACT: KELLY TESKA

ENGINEER
KIMLEY-HORN AND ASSOCIATES, INC.
2 NEVADA NORTH AVE., SUITE 300
COLORADO SPRINGS, CO 80903
TEL: (719) 453-0180
CONTACT: JESSICA MCCALLUM, P.E.

SURVEYOR:
ENGINEERING SERVICE CO.
14190 EAST EVANS AVENUE
AURORA CO, 80014
TEL: (719) 582-1270
CONTACT: CHIP BECKSTROM, P.L.S.

LANDSCAPE ARCHITECT
KIMLEY-HORN AND ASSOCIATES, INC.
2 NEVADA NORTH AVE., SUITE 300
COLORADO SPRINGS, CO 80903
TEL: (719) 453-0180
CONTACT: JEREMY POWELL, P.L.A.

BENCHMARK

BENCHMARK: NGS DESIGNATION C 355 (PID:KK0205): STANDARD NGS BM LOCATED 2 MI SE FROM SEDALIA. 2.0 MILES SOUTHEAST ALONG THE DENVER AND RIO GRANDE WESTERN RAILROAD FROM THE STATION AT SEDALIA, 0.5 MILE NORTHWEST OF MILEPOST 27, 32 FEET NORTH OF THE NORTH RAIL, 53 FEET SOUTH OF THE CENTER LINE OF U.S. HIGHWAY 85, 2 FEET WEST OF A WITNESS POST, SET IN THE TOP OF A CONCRETE POST WHICH PROJECTS 0.4 FOOT ABOVE THE GROUND.

BASIS OF BEARINGS

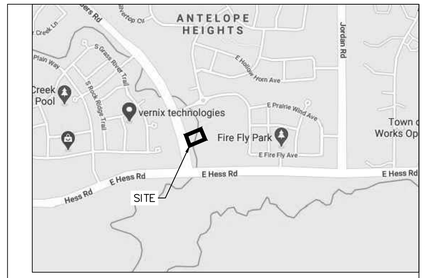
BEARINGS ARE BASED ON THE SOUTH LINE OF THE SE 1/4 OF SECTION 29, T.6S., R.66W., OF THE 6TH P.M. BEARING S89°35'27"W AND BOUNDED BY A 3 1/4" ALUMINUM CAP AT THE S 1/4 CORNER OF SECTION 29 AND A 3 1/4" ALUMINUM CAP AT THE SE CORNER OF SECTION 29. THE MONUMENTS ARE STAMPED AS SHOWN HEREON.

FLOODPLAIN NOTE

BY SCALED MAP LOCATION AND GRAPHIC PLOTTING ONLY, THIS PROPERTY LIES IN ZONE X OF THE FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NUMBER 08035C0181G AND DATED MARCH 16, 2016 – SUBJECT PROPERTY IS NOT IN A SPECIAL FLOOD HAZARD AREA.

LEGAL DESCRIPTION

LOT 3, DOUGLAS 234, FILING NO. 6



VICINITY MAP

SHEET INDEX	
SHEET NUMBER	SHEET TITLE
SITE PLAN	
1	COVER SHEET
2	EXISTING CONDITIONS AND DEMOLITION PLAN
3	SITE PLAN
4	PRELIMINARY UTILITY PLAN
5	FIRE TRUCK ACCESS PLAN
6	PHOTOMETRIC PLAN
7	PHOTOMETRIC DETAILS
8	PHOTOMETRIC DETAILS
9	LANDSCAPE PLAN
10	LANDSCAPE NOTES
11	LANDSCAPE DETAILS
A2.0	BUILDING ELEVATIONS
A2.1	BUILDING ELEVATIONS

SITE DATA

PROPERTY ACREAGE	1.204 ACRES (52,450 SF)
PERVIOUS AREA	0.24 ACRES
IMPERVIOUS AREA	0.96 ACRES
MAXIMUM IMPERVIOUS AREA	1.02 ACRES, 85% OF TOTAL LAND AREA
BUILDING DENSITY	4,445 SF (BLDG) = 8.46% 52,540 SF (LOT)
MAX BUILDING DENSITY	NONE
PARKING AREA	27,400 SF
PARKING REQUIRED	45 (1 PER 100 SF)
PARKING PROVIDED	45 ON-SITE SPACES (2 ADA SPACES)
BICYCLE PARKING REQUIRED	2 (2 PER 10,000 SF)
BICYCLE PARKING PROVIDED	3

LAND USE DATA

EXISTING ZONING	PLANNED DEVELOPMENT
GROSS SITE AREA	1.204 ACRES
NUMBER OF BUILDINGS	1 BUILDING
BUILDING GROSS FLOOR AREA	4,445 SF

DEVELOPMENT STANDARDS

COMMERCIAL DEVELOPMENT STANDARDS	TOWN OF PARKER LAND DEVELOPMENT CODE REQ.	PROVIDED
MINIMUM LANDSCAPE AREA	0.18 AC (15%)	0.24 AC (19.9%)
MAXIMUM BUILDING HEIGHT	35 FEET	1 STORY/ 21'-9 1/2"
MINIMUM OFF-STREET PARKING	45	45 ONSITE SPACES (2 ADA STALLS)
MAXIMUM FLOOR AREA RATIO (FAR)	0.35	0.08

SETBACKS

COMMERCIAL DEVELOPMENT STANDARDS	REQUIRED SETBACK	PROVIDED SETBACK
FRONT	10'	78'
SIDE	8'	44'/81'
REAR	0'	111'

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

BY	DESCRIPTION	DATE	REV
JJM	REVISION 1	9/27/21	1

Kimley»Horn

PREPARED BY:
PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION
Kimley»Horn
Kimley-Horn and Associates, Inc.

PREPARED FOR:
McDonald's USA, LLC

© These drawings and specifications are the confidential and proprietary property of McDonald's USA, LLC and shall not be copied or reproduced without written authorization. The contract documents were prepared for use on this specific site in conjunction with its issue date and are not suitable for use on any other project or at a later time. Any use of these drawings for reference or example on another project requires the services of properly licensed architects and engineers. Reproduction of the contract documents for reuse on another project is not authorized.

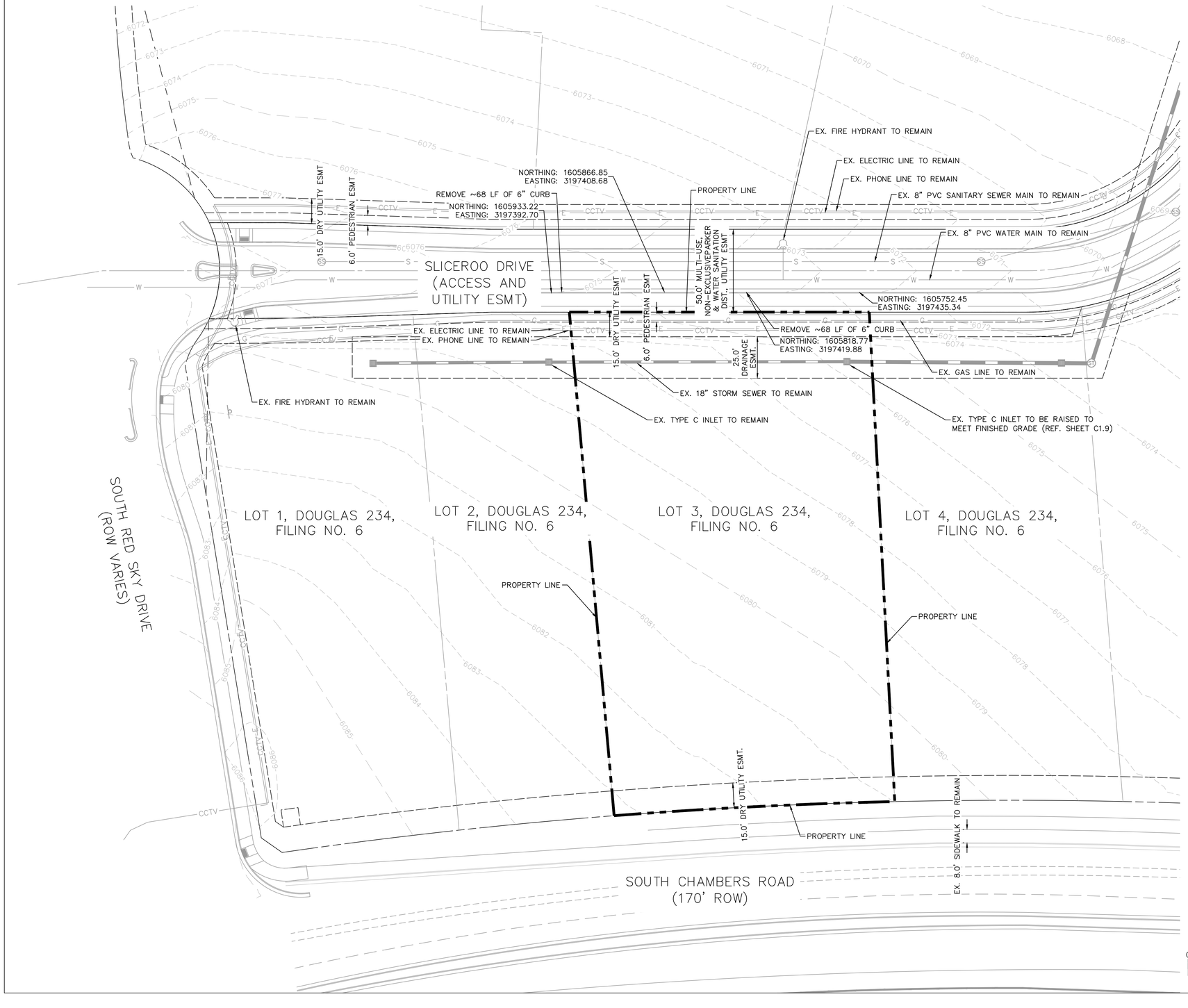
DRAWN BY	JJM
STD ISSUE DATE	7/1/21
REVIEWED BY	JRH
DATE ISSUED	9/3/2021

TITLE: **SITE PLAN**
DESCRIPTION: **COVER SHEET**
SITE ID: 005007B5
SITE ADDRESS: LOT 3, DOUGLAS 234 FILING NO. 6

DOUGLAS 234 FILING NO. 6, LOT 3

A PORTION OF THE SOUTHEAST 1/4 OF THE SECTION 29,
TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH P.M.
TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO

SITE PLAN



LEGEND

- PROPERTY LINE
- PARCEL LINE
- EASEMENT
- W — EX. WATER LINE
- S — EX. SANITARY LINE
- EX. STORM SEWER
- CCTV — EX. PHONE LINE
- E — EX. ELECTRIC LINE
- G — EX. GAS LINE

NOTES:

1. ALL EXISTING UTILITIES ARE TO REMAIN UNLESS OTHERWISE NOTED.
2. ALL EXISTING IMPROVEMENTS TO BE PROTECTED IN PLACE, UNLESS SPECIFICALLY CALLED OUT AS "TO BE REMOVED".

Know what's below. Call before you dig.

REV	DATE	DESCRIPTION	BY
1	9/27/21	REVISION 1	JJM

Kimley»Horn

PREPARED BY:
PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION
Kimley»Horn
Kimley-Horn and Associates, Inc.

PREPARED FOR:
McDonald's USA, LLC

© These drawings and specifications are the confidential and proprietary property of McDonald's USA, LLC and shall not be copied or reproduced without written authorization. The contract documents were prepared for use on this specific site in conjunction with its issue date and are not suitable for use on any other site or at any other time. Reproduction of these drawings for reference or example on another project requires the services of properly licensed architects and engineers. Reproduction of the contract documents for reuse on another project is not authorized.

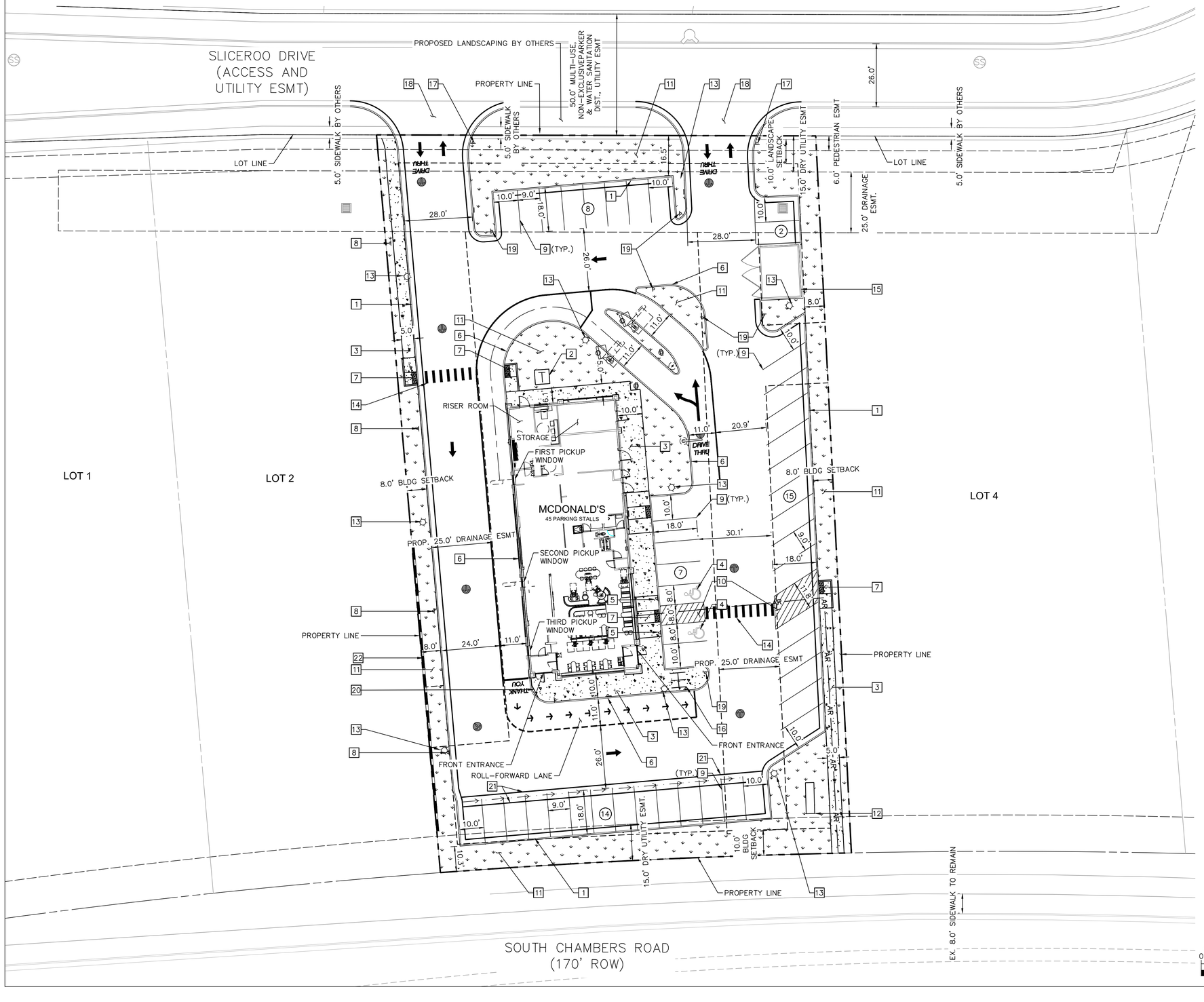
DRAWN BY	JJM
STD ISSUE DATE	7/1/21
REVIEWED BY	JRH
DATE ISSUED	9/3/2021

TITLE: **SITE PLAN**
DESCRIPTION: **EXISTING CONDITIONS AND DEMOLITION PLAN**
SITE ID: 00505785
SITE ADDRESS: LOT 3, DOUGLAS 234 FILING NO. 6

DOUGLAS 234 FILING NO. 6, LOT 3

A PORTION OF THE SOUTHEAST 1/4 OF THE SECTION 29,
TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH P.M.
TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO

SITE PLAN



LEGEND

- PROPERTY LINE
- SETBACK
- EASEMENT
- AR — ACCESSIBLE ROUTE
- WALL
- LANDSCAPE
- CONCRETE SIDEWALK
- (#) PARKING STALL COUNT

KEY NOTES

1. PROPOSED CURB AND GUTTER
2. PROPOSED TRANSFORMER LOCATION
3. PROPOSED CONCRETE SIDEWALK (DIMENSION PER PLAN)
4. PROPOSED ADA SYMBOL
5. PROPOSED ADA SIGN
6. PROPOSED 6" WIDE X 6" TALL CURB HEAD
7. PROPOSED ADA RAMP
8. PROPOSED "NO PARKING FIRE LANE" SIGN
9. PROPOSED 4" WIDE PARKING STRIPE
10. PROPOSED 4" WIDE DIAGONAL PAVEMENT MARKINGS AT 36" ON CENTER
11. PROPOSED LANDSCAPING (REF. LANDSCAPING PLANS)
12. PROPOSED MONUMENT SIGN (ALL SIGNS ARE REVIEWED UNDER SEPARATE PERMIT)
13. PROPOSED SITE LIGHT (REF. PHOTOMETRIC PLANS FOR DETAILS)
14. PROPOSED CROSSWALK
15. PROPOSED TRASH ENCLOSURE
16. PROPOSED BIKE PARKING (3 SPACES)
17. PROPOSED STOP SIGN
18. PROPOSED DRIVEWAY ACCESS
19. PROPOSED 'DO NOT ENTER' SIGN
20. PROPOSED GUARD RAIL
21. PROPOSED 4' CONCRETE GUTTER PAN
22. PROPOSED RETAINING WALL

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

REV	DATE	DESCRIPTION	BY
1	9/27/21	REVISION 1	JJM

Kimley»Horn

PREPARED BY:
PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION
Kimley»Horn
Kimley-Horn and Associates, Inc.

PREPARED FOR:
© McDonald's USA, LLC

These drawings and specifications are the confidential and proprietary property of McDonald's USA, LLC and shall not be copied or reproduced without written authorization. The contract documents were prepared for use on this specific site in conjunction with its issue date and are intended to be used only once and solely by the parties named herein. These drawings for reference or example on another project requires the services of properly licensed architects and engineers. Reproduction of the contract documents for reuse on another project is not authorized

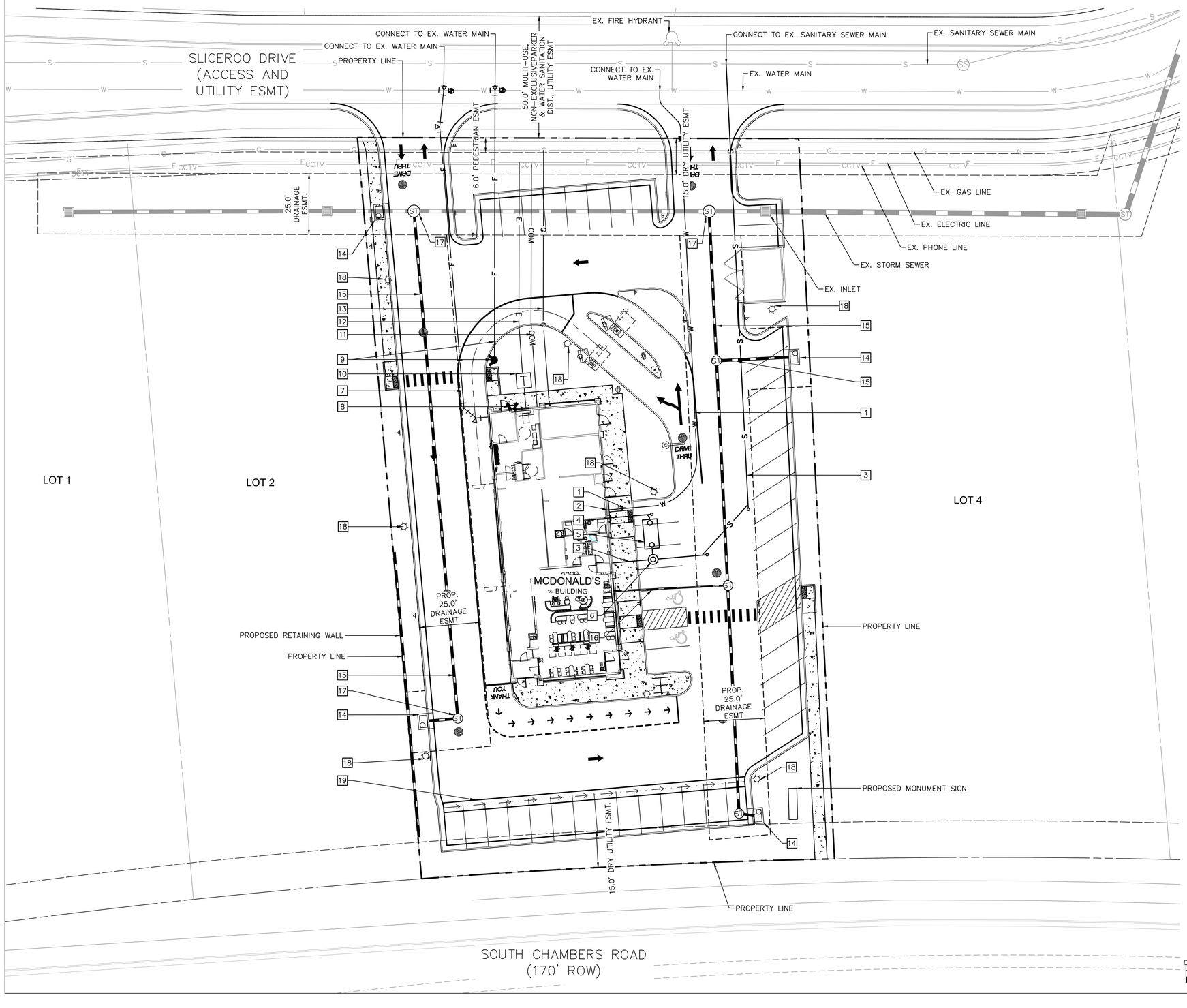
DRAWN BY	STD ISSUE DATE
JJM	7/1/21
REVIEWED BY	DATE ISSUED
JRH	9/3/2021

TITLE: **SITE PLAN**
DESCRIPTION: **SITE PLAN**
SITE ID: 00502785
SITE ADDRESS: LOT 3, DOUGLAS 234 FILING NO. 6

DOUGLAS 234 FILING NO. 6, LOT 3

A PORTION OF THE SOUTHEAST 1/4 OF THE SECTION 29,
TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH P.M.
TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO

SITE PLAN



LEGEND

- PROPERTY LINE
- EASEMENT
- SCREEN WALL
- W — EX. WATER LINE
- S — EX. SANITARY LINE
- EX. STORM SEWER
- CCTV — EX. PHONE LINE
- E — EX. ELECTRIC LINE
- G — EX. GAS LINE
- W — PROP. WATER LINE
- S — PROP. SANITARY LINE
- PROP. STORM SEWER
- CCTV — PROP. PHONE LINE
- E — PROP. ELECTRIC LINE
- G — PROP. GAS LINE
- CONCRETE

KEY NOTES

1. PROPOSED DOMESTIC WATER SERVICE LINE
2. PROPOSED WATER METER LOCATED INSIDE BUILDING.
3. PROPOSED SANITARY SEWER SERVICE LINE
4. PROPOSED GREASE INTERCEPTOR SERVICE LINE
5. PROPOSED GREASE TRAP WITH TRAFFIC RATED LIDS
6. PROPOSED SAMPLING MANHOLE
7. PROPOSED FIRE SERVICE LINE
8. PROPOSED FDC
9. PROPOSED FIRE HYDRANT AND FIRE HYDRANT LATERAL
10. PROPOSED TRANSFORMER
11. PROPOSED TELECOMMUNICATIONS SERVICE LINE
12. PROPOSED ELECTRIC SERVICE LINE
13. PROPOSED GAS SERVICE LINE
14. PROPOSED STORM INLET
15. PROPOSED STORM SEWER
16. PROPOSED ROOF DRAIN
17. PROPOSED STORM MANHOLE
18. PROPOSED SITE LIGHT
19. PROPOSED 4' CONCRETE GUTTER PAN

Know what's below. Call before you dig.

BY	DESCRIPTION	DATE	REV
JJM	REVISION 1	9/27/21	1

Kimley»Horn

PREPARED BY:

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION
Kimley»Horn
Kimley-Horn and Associates, Inc.

PREPARED FOR:
McDonald's USA, LLC

© These drawings and specifications are the confidential and proprietary property of McDonald's USA, LLC and shall not be copied or reproduced without written authorization. The contract documents were prepared for use on this specific site in conjunction with its issue date and are not suitable for use on any other project. Any modification to these drawings for reference or example on another project requires the services of properly licensed architects and engineers. Reproduction of the contract documents for reuse on another project is not authorized.

DRAWN BY	REVIEWED BY	DATE ISSUED
JJM	JRH	9/3/2021
STD ISSUE DATE 7/1/21		

TITLE: **SITE PLAN**

DESCRIPTION: **PRELIMINARY UTILITY PLAN**

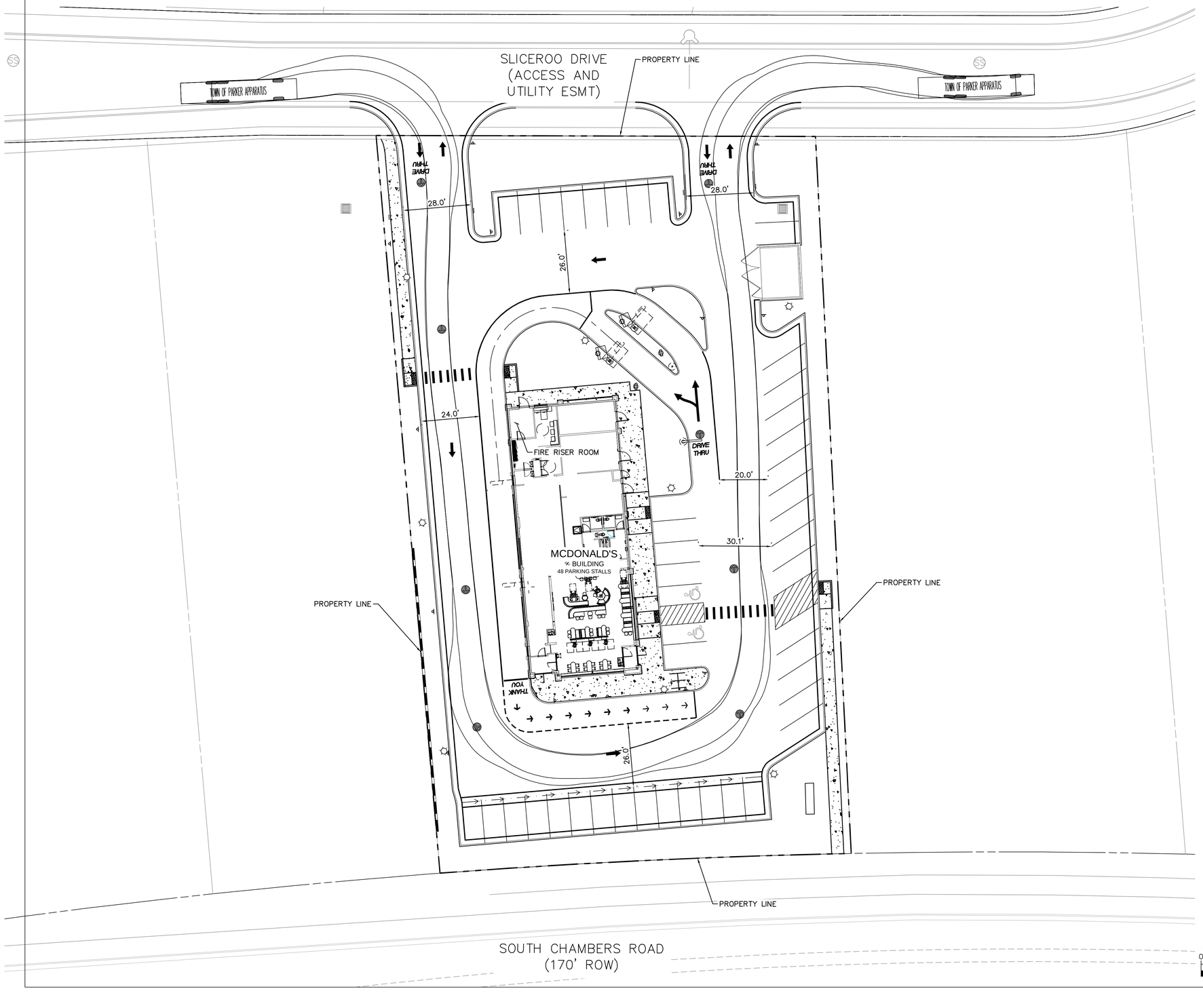
SITE ID: 00050785

SITE ADDRESS: LOT 3, DOUGLAS 234 FILING NO. 6

DOUGLAS 234 FILING NO. 6, LOT 3

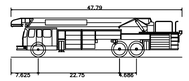
A PORTION OF THE SOUTHEAST 1/4 OF THE SECTION 29,
TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH P.M.
TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO

SITE PLAN



LEGEND

PROPERTY LINE



TOWN OF PARKER APPARATUS	
Overall Length	47.790ft
Overall Width	8.500ft
Overall Body Height	10.926ft
Min Body Ground Clearance	1.550ft
Track Width	8.925ft
Lock-to-lock time	4.00s
Wall to Wall Turning Radius	46.670ft

GRAPHIC SCALE IN FEET
0 10 20 40

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

BY	DESCRIPTION	DATE	REV
JJM	REVISION 1	9/27/21	1

Kimley»Horn

PREPARED BY:

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION
Kimley»Horn
Kimley-Horn and Associates, Inc.

PREPARED FOR:
© McDonald's USA, LLC

These drawings and specifications are the confidential and proprietary property of McDonald's USA, LLC and shall not be copied or reproduced without written authorization. They are created, produced and published solely for use on this specific site in connection with this project and are not suitable for use on a different site or at a later time. Use of these documents for other projects or additions to this project outside the scope of the project, licensed architects and engineers. Reproduction of the contract documents for reuse on another project is not authorized.

DRAWN BY	STD ISSUE DATE
JJM	7/1/21
REVIEWED BY	DATE ISSUED
JRH	9/3/2021

TITLE
SITE PLAN

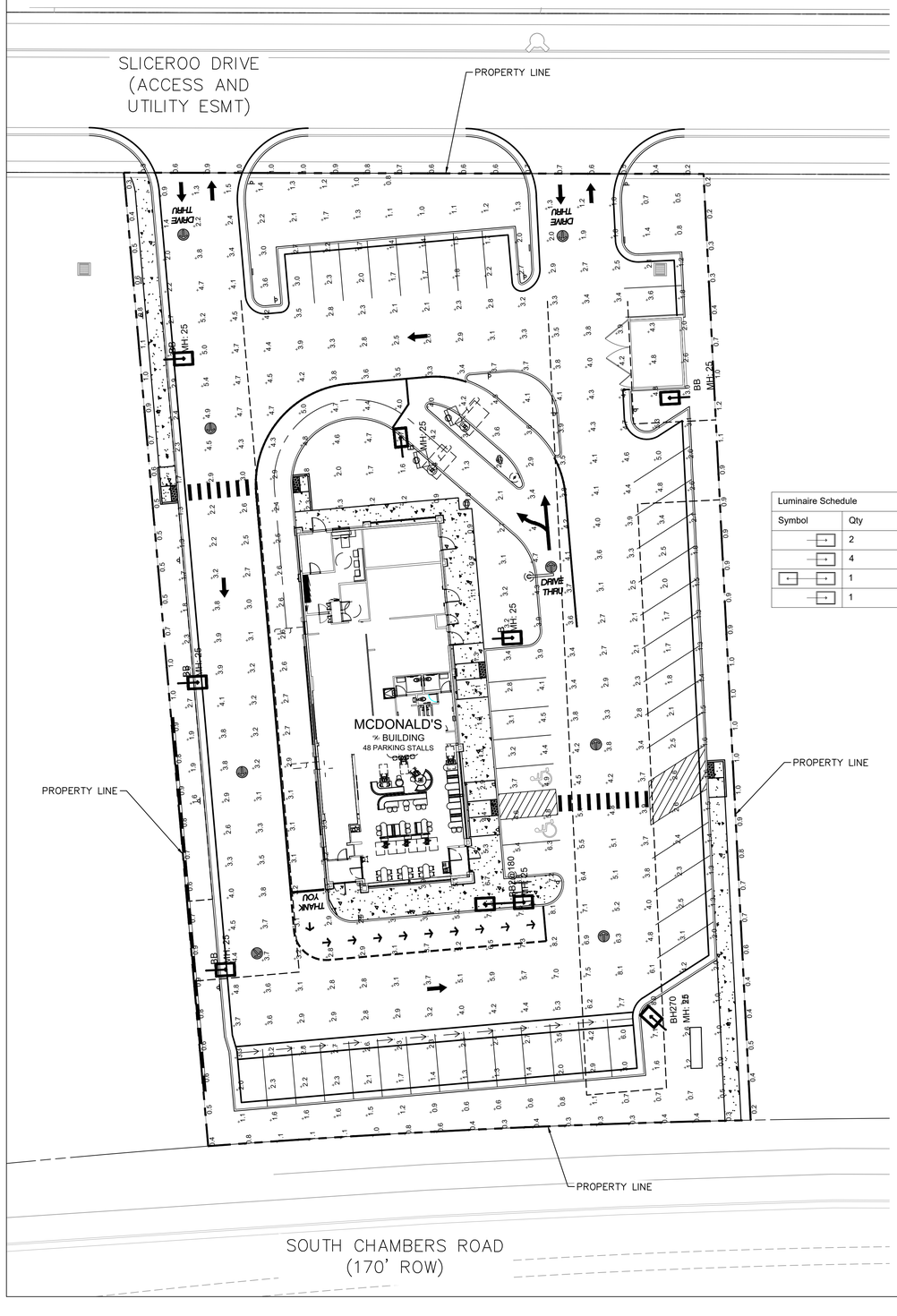
DESCRIPTION
FIRE TRUCK ACCESS PLAN

SITE ID	SITE ADDRESS
00507785	LOT 3, DOUGLAS 234 FILING NO. 6

DOUGLAS 234 FILING NO. 6, LOT 3

A PORTION OF THE SOUTHEAST 1/4 OF THE SECTION 29,
TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH P.M.
TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO

SITE PLAN



GRAPHIC SCALE IN FEET
0 10 20 40

NORTH

LEGEND

PROPERTY LINE

NOTES:

DISTANCE BETWEEN READINGS IS 10'

LIGHT POLE SHALL BE PLACED AT LEAST 18" FROM BACK OF CURB ADJACENT TO HEAD IN PARKING STALLS.

DETAILS:

MOUNTING HEIGHT = 25' (22' POLE + 3' BASE)
MOUNTING HEIGHT = 9' (WALL)
MOUNTING HEIGHT MEASURED FROM TOP OF FIXTURE TO FINISHED GRADE
TILT = 0
LIGHTS ARE CUTOFF WITH FLAT GLASS LENS
CALCULATION GRIDS ARE AT GRADE (Z=0)

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
ENTIRE SITE	Illuminance	Fc	3.13	8.2	0.5	6.26	16.40
PROPERTY LINE READINGS	Illuminance	Fc	0.68	1.2	0.2	3.40	6.00
PAVED SURFACE READINGS	Illuminance	Fc	3.43	8.20	1.00	3.43	8.20

Luminaire Schedule											
Symbol	Qty	Label	Arrangement	LLF	Description	Lum. Watts	Lum. Lumens	EPA	Mtg Height	Pole Type	Mounting Type
	2	B	SINGLE	0.900	VP-L-96L-280-5K7-4W	280	27708	.55	25	SES-22-40-1-GL-TA-DB (4")	POLE
	4	BB	SINGLE	0.900	VP-L-96L-280-5K7-4W-BC	280	17716	.55	25	SES-22-40-1-GL-TA-DB (4")	POLE
	1	BB2@180	BACK-BACK	0.900	VP-L-96L-280-5K7-4W-BC	280	17716	1.1	25	SES-22-40-1-GL-TA-DB (4")	POLE
	1	BH270	SINGLE	0.900	VP-L-96L-280-5K7-4-HSS-270-FB	280	19503	.55	25	SES-22-40-1-GL-TA-DB (4")	POLE

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

REV	DATE	DESCRIPTION	BY
1	9/27/21	REVISION 1	JJM

Kimley»Horn

PREPARED BY:

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION
Kimley»Horn
Kimley-Horn and Associates, Inc.

PREPARED FOR:
© McDonald's USA, LLC

These drawings and specifications are the confidential and proprietary property of McDonald's USA, LLC and shall not be copied or reproduced without written authorization. The contract documents were prepared for use on this specific site in conjunction with its issue date and are not suitable for reuse by the owner or others on extensions of this project or on any other project. Any modification or use of these drawings for reference or example on another project requires the services of properly licensed architects and engineers. Reproduction of the contract documents for reuse on another project is not authorized.

DRAWN BY	JJM
STD ISSUE DATE	7/1/21
REVIEWED BY	JRH
DATE ISSUED	9/3/2021

TITLE: **SITE PLAN**
DESCRIPTION: **PHOTOMETRIC PLAN**
SITE ID: 00505785
SITE ADDRESS: LOT 3, DOUGLAS 234 FILING NO. 6

6

DOUGLAS 234 FILING NO. 6, LOT 3

A PORTION OF THE SOUTHEAST 1/4 OF THE SECTION 29,
TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH P.M.
TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO

SITE PLAN

DATE: LOCATION:
TYPE: PROJECT:
CATALOG #:

VIPER L
LARGE VIPER LUMINAIRE

FEATURES

- Large size companion to Viper Small
- Wide choice of different LED wattage configurations
- Ten optical distributions
- Designed to replace HID lighting up to 1000W MH or HPS
- Suitable for wet locations

See Certification Specifications

CONTROL TECHNOLOGY

NX DISTRIBUTED INTELLIGENCE · wiSCAPE · energent · SiteSync CONTROL INTERFACE

SPECIFICATIONS

CONSTRUCTION

- Corrosion resistant, die-cast aluminum housing with powder coat paint finish rated for 1000 hour salt spray.
- External hardware is corrosion resistant

OPTICS

- Cartridge is held together with internal brass standoffs soldered to the board so that it can be field replaced as a one piece optical system
- One-piece silicone gasket ensures a weatherproof seal around each individual optic
- One-piece optical cartridge system consisting of an LED engine, optics, gasket and stainless steel bezel

INSTALLATION

- Mounting options for horizontal arm, vertical tenon or traditional arm mounting available. Mounting hardware included

ELECTRICAL

- Luminaire accepts 100V through 277V, 347V or 480V input 50 Hz to 60 Hz (UNV)
- Power factor is ≥ .90 at full load
- Dimming drivers are standard, 0-10V dimming leads available for use with control devices (provided by others)
- Component-to-component wiring within the luminaire may carry no more than 80% of rated load and is certified by UL for use at 600VAC, 90°C or higher
- Plug disconnects are certified by UL for use at 600 VAC, 13A or higher. 13A rating applies to primary (AC) side only

ELECTRICAL (CONTINUED)

- Fixture electrical compartment contains all LED driver components
- Optional 7-pin ANSI C136.41-2013 Twist-Lock® photo control receptacle available. Compatible with ANSI C136.41 external wireless control devices
- Ambient operating temperature -40°C to 25°C
- Surge protection: 20kA
- Lifeshield™ Circuit (see Electrical Data)

CONTROLS

- Available with an optional passive infrared (PIR) motion sensor capable of detecting motion 360° around the luminaire. When no motion is detected for the specified time, the motion response system reduces the wattage to factory preset level, reducing the light level accordingly. When motion is detected by the PIR sensor, the luminaire returns to full wattage and full light output. Please contact Beacon Products if project requirements vary from standard configuration
- Available with Energent for optional set dimming, timed dimming with simple delay, or timed dimming based on time of night

CONTROLS (CONTINUED)

- In addition, Viper can be specified with SiteSync™ wireless control system for reduction in energy and maintenance costs while optimizing light quality 24/7

CERTIFICATIONS

- DLC® (DesignLights Consortium) Qualified. Please refer to the DLC website for specific product qualifications at www.designlights.org
- Certified to UL 1598 and UL 8750
- 3G rated for ANSI C136.31 high vibration applications with MAF mounting
- This product is approved by the Florida Fish and Wildlife Conservation Commission. Separate spec available online
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 06/03/2020. See Buy American Solutions.

WARRANTY

- 5 year warranty
- See HLI Commercial and Industrial Outdoor Lighting Warranty for additional information

KEY DATA	
Lumen Range	14,283–39,969
Wattage Range	64–395
Efficacy Range (LPW)	98–135
Reported Life (Hours)	L70>377,000
Input Current Range (Amps)	0.3–4.0

© 2021 Beacon Products, a division of Hubbell Lighting, Inc. Specifications subject to change without notice.
701 Millennium Boulevard • Greenville, SC 29607 / Tel 864.678.1000 / Website www.beaconproducts.com

DATE: LOCATION:
TYPE: PROJECT:
CATALOG #:

VIPER L
LARGE VIPER LUMINAIRE

ORDERING GUIDE

Example: VPL–96L–280–4K7–4W–UNV–A–DBT–GEN1–04–BC

CATALOG #

VPL																	
Series	LED Engine		CCT/CRI[1]		Distribution		Rotation		Voltage		Mounting		Color		Network Control Options		Options
VPL Viper Large	64L/135	135W LED array	3K7	3000K, 70 CRI	FR	Type 1 Front Row	Blank	No rotation	UNV	120–277V	A	Rectangular Arm (formerly RA) for square pole 2.4"-4.2" OD	BLT	Black Matte Textured	NXWE	NX Wireless Enabled (module + radio)	BC	Backshield (available for FR, 2, 3, 4, 4W Optics)
	80L/180	180W LED array	4K7	4000K, 70 CRI	2	Type 2	L	Optic rotation left[4]	347	347V	A3	Arm for round pole 2.4"-4.2" OD	BLS	Black Gloss Smooth	NXSPW_F	NX Wireless, PIR Occ. Sensor, Daylight Harvesting[2]	CD	Continuous Dimming
	80L/225	225W LED array	5K7	5000K, 70 CRI	3	Type 3	R	Optic rotation right[4]	480	480V	A4	Arm for round pole 4.18" - 5.25" OD	DBT	Dark Bronze Matte Textured	NXSP_F	NX, PIR Occ. Sensor, Daylight Harvesting[2]	F	Fusing
	96L/220	220W LED array			4F (formerly 4)	Type 4					A5	Arm for round pole 5.5" - 6.5" OD	DBS	Dark Bronze Gloss Smooth	WIR	Wireless Control, wiSCAPE	TB	Terminal Block
	96L/280	280W LED array			4W	Type 4 Wide					MAF	Mounting Arm Plate (formerly SF2) for 2¾" OD horizontal arm	DTT	Graphite Matte Textured	SWP	SiteSync Pre-Commission w/ Sensor[1,2,4]		
	96L/315	315W LED array			SGM	Type SGM					K	Knuckle (formerly PK2) limit to 30° tilt or 2¾" OD horizontal arm or vertical tenon	LGS	Light Grey Gloss Smooth	SWPM_F	SiteSync Pre-Commission w/ Sensor[1,2,4]		
	96L/395	395W LED array			SGN	Type SGN					WB	Wall Bracket	PSS	Platinum Silver Smooth	Control Options			
					SR	Type SW (round wide)					AD	Universal Arm for square pole	WHT	White Matte Textured	7PR	7-Pin Receptacle only (shorting cap, photo control, or wireless control provided by others)		
					TC	Tennis Court					AD3	Universal Arm with adapter for 2.4"-4.4" round pole	WHS	White Gloss Smooth	7PR-SC	7-Pin Receptacle w/Shorting Cap		
					CL	Corner Left					AD4	Universal Arm with adapter for 4.2"-5.3" round pole	VGT	Verde Green Textured	7PR-TL	7-Pin Receptacle w/Twist-Lock® photo control		
											AD5	Universal Arm with adapter for 5.5"-5.9" round pole	Color Option		GEN1-XX	ENERGENI®		
											AD6	Universal Arm with adapter for 6.0"-6.5" round pole	CC	Custom Color	Sensors			
															BTS_F	Bluetooth Programmable, PIR Occupancy/Daylight Sensor, 360° lens,[2,3,5,6]		
															BTSD_F	Bluetooth Programmable, PIR Occupancy/Daylight Sensor, 360° lens, up to 12' mounting height[2,3,5,6]		
															SCP_F	Programmable Occupancy Sensor w/ daylight control[1,2,5]		

House Side Shield Accessories	
HSS/EVP-L/90-FB/XXX	90° shield front or back
HSS/EVP-L/90-LR/XXX	90° shield left or right
HSS/EVP-L/270-FB/XXX	270° shield front or back
HSS/EVP-L/270-LR/XXX	270° shield left or right
HSS/EVP-L/360/XXX	Full shield

Replace XXX with rotation for desired finish color. Refer to page 8 for shield images.

Mounting Accessories	
VPL-AD-RPA3	2.4"-4.1" Round Pole Adapter for AD arm
VPL-AD-RPA4	4.2"–5.3" Round Pole Adapter for AD arm
VPL-AD-RPA5	5.5"–5.9" Round Pole Adapter for AD arm
VPL-AD-RPA6	6.0"–6.5" Round Pole Adapter for AD arm

Notes:
1 Not available with other wireless control or sensor options
2 Specify mounting height; 8 = 8' or less, 40 = 14' to 40'
3 Specify routine setting code (example GEN1-04). See ENERGENI brochure and instructions for setting table and options. Not available with sensor or SiteSync options
4 Specify group and zone at time of order. See www.hubbelllighting.com/sitesync for further details. Order at least one SiteSync interface accessory SWGB or SWTAB. Each system requires SiteSync Licenses, GUI, and Bridge Node
5 Only available in CC 2, 3, 4, 4W and SR distributions
6 Order at least one SCP-HMOTE per project location to program and control the occupancy sensor
7 Replace *_* with "M" for up to 14' mounting height; "40F" for 15-40' mounting height
8 Replace *_* with "12" for up to 12' mounting height
9 Not available with any other control or photocell receptacle
10 Not available with 347V and 480V above 300W

© 2021 Beacon Products, a division of Hubbell Lighting, Inc. Specifications subject to change without notice.
701 Millennium Boulevard • Greenville, SC 29607 / Tel 864.678.1000 / Website www.beaconproducts.com

DATE: LOCATION:
TYPE: PROJECT:
CATALOG #:

VIPER L
LARGE VIPER LUMINAIRE

ORDERING GUIDE (CONTINUED)

Accessories and Services (Ordered Separately)

- SCP-REMOTE — Remote Control for SCP_F option. Order at least one per project to program and control the occupancy sensor
- SWUSB* — SiteSync interface software loaded on USB flash drive for use with owner supplied PC (Windows based only). Includes SiteSync license, software and USB radio bridge node
- SWTAB* — Windows tablet and SiteSync interface software. Includes tablet with preloaded software, SiteSync license and USB radio bridge node
- SWBRG — SiteSync USB radio bridge node only. Order if a replacement is required or if an extra bridge node is requested
- SWTPR* — SiteSync 7-Pin on fixture module OnTrol®Dim, Daylight Sensor 120–480VAC
- BIRD-SPIKE-4 — Bird Spikes

* When ordering SiteSync at least one of these two interface options must be ordered per project.
* Available as a SiteSync retrofit solution for fixtures with an existing 7-pin receptacle

Hubbell Control Solutions — Accessories (Sold Separately)

NX Distributed Intelligence™

- NXOFM-9TD-UNV — On-fixture Module (7-pin), On / Off / Dim, Daylight Sensor with HubzNET Radio and Bluetooth® Radio, 120–480VAC

wiSCAPE® Lighting Control

- WIR-RME-L — On-fixture Module (7-pin or 5-pin), On / Off / Dim, Daylight Sensor with wiSCAPE Radio, 110–480VAC

For additional information related to these accessories please visit www.hubbellcontrols.com. Options provided for use with integrated sensor, please view specification sheet ordering information table for details.

CONTROLS

SiteSync — Precommissioned Ordering Information:
When ordering a fixture with the SiteSync lighting control option, additional information will be required to complete the order. The SiteSync Commissioning Form or alternate schedule information must be completed. This form includes Project location, Group information, and Operating schedules. For more detailed information please visit the SiteSync family page on our website or contact Hubbell Lighting tech support at 800-888-8006.

SiteSync fixtures with Motion control (SWPM) require the mounting height of the fixture for selection of the lens.

Examples: VPL/BOL-235/4K7/3/UNV/A/DB/SWP/
VPL/BOL-235/4K7/3/UNV/A/DB/SWPM-40F/

SiteSync only
SiteSync with Motion Control

SiteSync 7-Pin Module:
- SiteSync features in a new form
- Available as an accessory for new construction or retrofit applications (with existing 7-Pin receptacle)
- Does not interfere with occupancy sensors

SW7PR

NX Distributed Intelligence™ Lighting Controls:
Supports both indoor and outdoor applications in a variety of deployment options: wired, wireless and hybrid.
Integrates with and enables a wide array of luminaires including those with SpectraSync Color Tuning Technology.

NX Integrated Controls Reference								
NX Option	Sensor	Networkable	Scheduling	Occupancy	Daylight Harvesting	0–10V Dimming	On/off Control	Bluetooth® App Programming
NX Networked – Wireless								
NXOFM-9TD-UNV	SCLNX	Yes	Yes	Yes	Yes	Yes	Yes	Yes, Bluetooth App

wiSCAPE®:
Supports remote management, monitoring and metering of outdoor wireless lighting applications such as smart campuses, smart cities, parking lots, parking lots and roadways.

wiSCAPE Reference								
wiSCAPE Option	Sensor	Networkable	Scheduling	Occupancy	Daylight Harvesting	0–10V Dimming	On/off Control	Bluetooth® App Programming
Networked – Wireless								
WIR-RME-L	WIR-RME-L	Yes	Yes	No	Yes	Yes	Yes	wiSCAPE Gateway

© 2021 Beacon Products, a division of Hubbell Lighting, Inc. Specifications subject to change without notice.
701 Millennium Boulevard • Greenville, SC 29607 / Tel 864.678.1000 / Website www.beaconproducts.com

DATE: LOCATION:
TYPE: PROJECT:
CATALOG #:

VIPER L
LARGE VIPER LUMINAIRE

DELIVERED LUMENS

# of LEDs	DRIVE CURRENT (mA)	SYSTEM WATTS	DISTRIBUTION TYPE	5K (5000K nominal, 70 CRI) LUMENS	LPW[1]	B	U	G	4K (4000K nominal, 70 CRI) LUMENS	LPW[1]	B	U	G	3K (3000K nominal, 70 CRI) LUMENS	LPW[1]	B	U	G
64	625 mA	135W	1A	18220	132	2	0	2	18783	137	2	0	2	16341	119	2	0	2
			2	17228	125	2	0	2	17761	129	2	0	2	15452	112	2	0	2
			3	17257	125	2	0	3	17791	129	3	0	3	15478	112	2	0	3
			4	16864	123	3	0	4	17385	126	3	0	4	15125	110	3	0	4
			4W	19356	112	2	0	4	19573	115	2	0	4	19237	98	2	0	3
			SGM	19223	140	4	0	2	19820	144	4	0	2	17243	125	4	0	2
			SGN	19223	131	4	0	2	19820	135	4	0	2	17243	117	4	0	2
			SR	17400	127	4	0	4	17948	130	4	0	4	15619	113	4	0	4
			SW	18498	120	4	0	3	17029	134	4	0	3	14797	108	4	0	3
			TC	19925	110	2	1	2	16417	113	2	1	2	14283	98	1	1	2
			CL	17350	128	3	0	3	17895	132	3	0	3	15561	114	2	0	3
			CR	17407	128	3	0	3	17945	132	3	0	3	15602	115	2	0	3
80	700 mA	180W	1A	23230	128	2	0	2	23945	132	2	0	2	20835	115	2	0	2
			2	21965	121	3	0	3	22645	125	3	0	3	19701	109	2	0	3
			3	22003	121	2	0	4	22683	125	3	0	4	19734	109	2	0	4
			4	21502	119	2	0	4	22167	122	2	0	4	19285	106	2	0	4
			4W	19260	107	2	0	4	19856	110	2	0	4	16877	94	2	0	4
			SGM	22005	121	4	0	2	22686	125	4	0	2	19736	109	4	0	2
			SGN	22979	127	4	0	1	23693	131	4	0	1	20610	114	4	0	1
			SR	22197	122	4	0	4	22884	126	4	0	4	19909	110	4	0	4
			SW	21035	116	5	0	3	21686	120	5	0	3	18867	104	4	0	3
			TC	19906	110	2	1	2	20522	113	2	1	2	17854	98	2	1	2
			CL	22121	123	3	0	4	22805	127	3	0	4	19840	110	3	0	4
			CR	22193	123	3	0	4	22879	127	3	0	4	19905	111	3	0	4
96	700 mA	220W	1A	27849	121	2	0	2	28715	125	2	0	2	24978	108	2	0	2
			2	26334	114	3	0	3	27148	118	3	0	4	23619	102	3	0	3
			3	26378	114	3	0	4	27194	118	3	0	4	23659	103	3	0	4
			4	25777	112	2	0	4	26575	115	2	0	5	23120	100	2	0	4
			4W	23090	98	2	0	4	23805	101	2	0	5	20234	86	2	0	4
			SGM	26381	114	4	0	2	27196	118	4	0	2	23661	103	4	0	2
			SGN	27548	118	5	0	1	28400	123	5	0	1	24708	107	5	0	1
			SR	26611	115	5	0	5	27434	119	5	0	5	23868	104	4	0	4
			SW	25218	109	5	0	3	25998	113	5	0	3	22619	98	4	0	3
			TC	23864	103	2	1	2	24602	107	2	1	2	21404	93	2	1	2
			CL	26520	113	3	0	4	27340	116	3	0	4	23786	101	3	0	4
			CR	26606	113	3	0	4	27429	117	3	0	4	23864	102	3	0	4
96	875 mA	280W	1A	31276	128	2	0	2	32238	132	2	0	2	28052	115	2	0	2
			2	29359	121	3	0	3	27174	125	3	0	4	23641	109	3	0	3
			3	29403	121	3	0	4	27220	125	3	0	4	23681	109	3	0	4
			4	21802	119	2	0	4	26600	122	2	0	5	23142	106	2	0	4
			4W	23111	105	2	0	4	23826	109	2	0	5	20252	92	2	0	4
			SGM	29406	121	4	0	2	27222	125	4	0	2	23684	109	4	0	2
			SGN	27575	127	5	0	1	28427	131	5	0	1	24732	114	5	0	1
			SR	26637	122	5	0	5	27460	126	5	0	5	23891	110	4	0	4
			SW	25242	116	5	0	3	26023	120	5	0	3	22640	104	4	0	3
			TC	23887	110	2	1	2	24626	113	2	1	2	21424	98	2	1	2
			CL	26545	121	3	0	4	27366	124	3	0	4	23809	108	3	0	4
			CR	26632	121	3	0	4	27456	125	3	0	4	23886	109	3	0	4
96	875 mA	280W	1A	33419	121	2	0	2	34453	125	2	0	2	29974	108	2	0	2
			2	31600	114	3	0	4	32577	118	3	0	4	28342	102	3	0	4
			3	31654	114	3	0	4	32633	118	3	0	4	28390	103	3	0	4
			4	30933	112	2	0	5	31889	115	2	0	5	27744	100	2	0	5
			4W	27708	99	2	0	5	28564	102	2	0	5	24280	87	2	0	4
			SGM	31657	114	5	0	3	32636	118	5	0	3	28393	103	4	0	2
			SGN	33098	119	5	0	1	34080	123	5	0	1	29650	107	5	0	1
			SR	31933	115	5	0	5	32921	119	5	0	5	28641	104	5	0	5
			SW	30262	109	5	0	4	31198	113	5	0	4	27142	98	5	0	3
			TC	28642	104	2	1	3	29528	107	2	1	3	25690	93	2	1	2
			CL	31824	114	3	0	5	32806	118	3	0	5	28543	102	3	0	4
			CR	31928	107	3	0	5	32915	110	3	0	5	28636	96	3	0	4
96	1000mA	315W[2]	1A	35656	113	2	0	2	36763	117	2	0	2	31989	101	2	0	2
			2	33725	107	3	0	4	34768	110	3	0	4	30248	96	3	0	4
			3	33782	107	3	0	4	34827	110	3	0	4	30295	96	3	0	4
			4	33012	105	2	0	5	34033	108	2	0	5	29609	94	2	0	4
			4W	29571	94	3	0	5	30485	97	3	0	5	25913	82	2	0	4
			SGM	33785	107	5	0	3	34830	110	5	0	3	30302	96	5	0	2
			SGN	35280	112	5	0	1	36331	115	5	0	1	31621	100	5	0	1
			SR	34080	108	5	0	5	35134	111	5	0	5	30567	97	5	0	5
			SW	32302	103	5	0	4	33304	106	5	0	4	28962	92	5	0	3
			TC	30568	97	2	1	3	31513	100	3	1	3	27416	87	2	1	2
			CL	33964	107	3	0	5	35014	111	3	0	5	30462	96	3	0	5
			CR	34074	108	3	0	5	35128	111	3	0	5	30561	97	3	0	5

1 Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.
2 315W and 395W 3000K versions are not DLC QPL listed. Reference dark gray highlighted cells in table.

96 LED continues on page 6

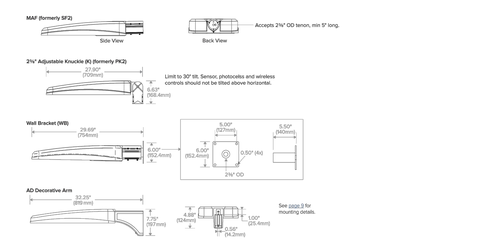
1 Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.
2 315W and 395W 3000K versions are not DLC QPL listed. Reference dark gray highlighted cells in table.

© 2021 Beacon Products, a division of Hubbell Lighting, Inc. Specifications subject to change without notice.
701 Millennium Boulevard • Greenville, SC 29607 / Tel 864.678.1000 / Website www.beaconproducts.com

DATE: LOCATION:
TYPE: PROJECT:
CATALOG #:

VIPER L
LARGE VIPER LUMINAIRE

DIMENSIONS



See page 9 for mounting details.

© 2021 Beacon Products, a division of Hubbell Lighting, Inc. Specifications subject to change without notice.
701 Millennium Boulevard • Greenville, SC 29607 / Tel 864.678.1000 / Website www.beaconproducts.com

DATE: LOCATION:
TYPE: PROJECT:
CATALOG #:

VIPER L
LARGE VIPER LUMINAIRE

ELECTRICAL DATA

# OF LEDS	NUMBER OF DRIVERS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	SYSTEM POWER (w)	CURRENT (Amps)
64	1	625 mA	120	135	1.4
			277		0.6
			347		0.5
			480		0.3
80	2	700 mA	120	180	1.8
			277		0.8
			347		0.6
			480		0.5
80	2	875 mA	120	235	2.4
			277		1
			347		0.8
			480		0.6
96	2	700 mA	120	220	2.2
			277		1
			347		0.8
			480		0.6
96	2	875 mA	120	280	2.8
			277		1.2
			347		1
			480		0.7
96	2	1000 mA	120	315	3.2
			277		1.4
			347		1.1
			480		0.8
96	2	1225 mA	120	395	4
			277		1.7
			347		1.4
			480		1

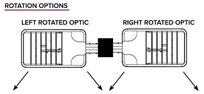
PROJECTED LUMEN MAINTENANCE						
Ambient Temp.	0	25,000	50,000	TM-21-11 60,000[1]	100,000	Calculated L70 (HOURS)
25°C / 77°C	1	0.98	0.97	0.97	0.96	>377,000

1 Projected per IESNA TM-21-11.
Data references the extrapolated performance projections for the 700mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.

LIFESHIELD™ CIRCUIT
Protects luminaire from excessive temperature. The device activates at a specific, factory-preset temperature and progressively reduces power over a finite temperature range. Operation is smooth and undetectable to the eye. Thermal circuit is designed to "fail on", allowing the luminaire to revert to full power in the event of an interruption of its power supply or faulty wiring connection to the drivers. The device can co-exist with other 0–10V control devices (occupancy sensors, external dimmers, etc.)

ADDITIONAL INFORMATION

ROTATION OPTIONS



© 2021 Beacon Products, a division of Hubbell Lighting, Inc. Specifications subject to change without notice.
701 Millennium Boulevard • Greenville, SC 29607 / Tel 864.678.1000 / Website www.beaconproducts.com

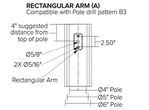
DATE: LOCATION:
TYPE: PROJECT:
CATALOG #:

VIPER L
LARGE VIPER LUMINAIRE

ADDITIONAL INFORMATION (CONTINUED)

DRILL PATTERN

RECTANGULAR ARM (A)
Compatible with Pole drill pattern B3



EPA

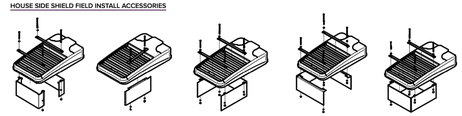
Config.	EPA
1	1.2
2 @ 90°	1.9
2 @ 180°	2.4

Config.	EPA
3 @ 120°	3.0
3 @ 90°	3.1
4 @ 90°	3.8

TENON TOP POLE BRACKET ACCESSORIES (ORDER SEPARATELY)
(2 3/8" OD tenon)

TENON TOP POLE BRACKET ACCESSORIES (Order Separately)	
SETAVP-XX	Square tenon adapter (4 at 90°) for A - Rectangular Arm mounting option only
RETAVP-XX	Round tenon adapter (4 at 90°) for A - Rectangular Arm mounting option only
SETA2XX	Square tenon adapter (4 at 90°) for AD - Universal Arm mounting option only
RETA2XX	Round tenon adapter (4 at 90°) for AD3 - Universal Arm mounting option only

HOUSE SIDE SHIELD FIELD INSTALL ACCESSORIES



HSS/VP-L/90-FB/XXX
90° shield front or back
(2 shields shown)

HSS/VP-L/90-LR/XXX
90° shield left or right
(1 shield shown in left orientation)

HSS/VP-L/270-FB/XXX
270° shield front or back
(1 shield shown in back orientation)

HSS/VP-L/270-LR/XXX
270° shield left or right
(1 shield shown in right orientation)

HSS/VP-L/360/XXX
Full shield
(1 shield shown)

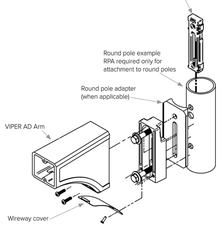
© 2021 Beacon Products, a division of Hubbell Lighting, Inc. Specifications subject to change without notice.
701 Millennium Boulevard • Greenville, SC 29607 / Tel 864.678.1000 / Website www.beaconproducts.com

DATE: LOCATION:
TYPE: PROJECT:
CATALOG #:

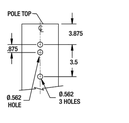
VIPER L
LARGE VIPER LUMINAIRE

ADDITIONAL INFORMATION (CONTINUED)

AD ARM MOUNTING INSTRUCTIONS



DECORATIVE ARM (AD)
Compatible with pole drill pattern S2



USE OF TRADEMARKS AND TRADE NAMES
All product and company names, logos and product identifies are trademarks ™ or registered trademarks ® of Hubbell Lighting, Inc. or their respective owners. Use of them does not necessarily imply any affiliation with or endorsement by such respective ow

DOUGLAS 234 FILING NO. 6, LOT 3

A PORTION OF THE SOUTHEAST 1/4 OF THE SECTION 29,
TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH P.M.
TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO

SITE PLAN

SECURITY LIGHTING™

SES GALVANIZED POLES

SQUARE STEEL STRAIGHT POLES (SSP)

Specifications

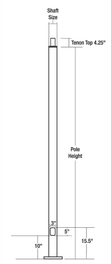
The Square Steel Straight Pole has been successfully installed in projects of all types for over 30 years and has become the most popular and economical pole option for all site lighting applications including retail, commercial, industrial and residential projects

Now this popular series is offered as a fully hot dipped galvanized steel pole and base plate which is finished in weatherproof powder coat.

The SES GL series of galvanized poles are stocked for immediate shipping in multiple shaft sizes, heights and colors, all with a 2 3/8" OD tenon to enable any mounting configuration required with the full offering of available tenon top adaptors.

- Square Steel Straight Shaft
- One piece construction
- 2 3/8" OD tenon
- Steel Base Plate
- Fully hot dipped galvanized steel pole
- Finished in weatherproof powder coat
- 3 size options for anchor bolts. All anchor bolts fully galvanized with 2 nuts and washer (bolts ordered as separate line item and paper template included as component of pole)
- Square base cover available (ordered as separate line item)
- Pole finished in weather proof powder coast paint in 4 standard colors
- 3" x 5" Gasketed hand hole standard

Dimensions





Tenon Top Pole

Ordering Information

Ordering Example: SES-18-40-1-TA-GL-PS

SES					TA	GL	
Series	Height	Size	Gauge	Mounting	Coating	Color
SES Square Steel Straight Pole	18 18 Feet 22 22 Feet 26 26.6 Feet	40 4"x4" Shaft[1] 50 5"x5" Shaft[2]	1 11 Gauge .119" thick 07 7 Gauge .179" thick	TA 2 3/8" OD Tenon	GL Galvanized	DB Dark Bronze WH White BL Black PS Platinum Silver

1. All non stocked galvanized poles have a 6 to 8 week lead time
2. Available in 11 gauge only
3. Available in 7 gauge only

Web: www.securitylighting.com
2100 Golf Road, Suite 460, Rolling Meadows, IL 60008-4704
Phone: 1-800-LIGHT IT, 1-800-544-4848, Fax: 847-279-0642

Copyright ©2016 Security Lighting, a division of Hubbell Lighting, Inc.
All Rights Reserved. • Specifications subject to change without notice. • Printed in U.S.A. • SL5001B 06/17

HUBBELL Lighting

SECURITY LIGHTING™

SES GALVANIZED POLES

SQUARE STEEL STRAIGHT POLES (SSP)

Ordering Information

Catalog Number	Pole Wt.	Nominal Shaft Dim.	Wind Load Rating: 70 MPH	80 MPH	100 MPH	120 MPH	Wall Thick.	Bolt Circle (Sq.)	Bolt Sq.	Base Plate (sq.)	Anchor Bolt Size	Bolt Proj.	Pole Wt (lbs)
	Ft	in											
SSP-4118-5A-GL-XX	18	4"	14.0	12.2	9.2	7.0	5.3	.125"	10.5°	8-11"	5.6-7.8"	10.25x0.75"	3/4x30x3"	4"	150
SSP-5722-5A-GL-XX	22	5"	25.0	25.0	20.2	15.9	12.5	.188"	10.5°	10-13.5"	7.1-9.5"	12x1"	1x36x4"	4"	300
SSP-5728-5A-GL-XX	28	5"	19.0	18.4	12.1	8.8	6.2	.188"	10.5°	10-13.5"	7.1-9.5"	12x1"	1x36x4"	4"	400

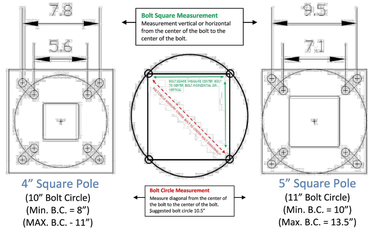
1. Allowable EPA with 1.1 gust factor. To determine max pole loading weight, multiply allowable EPA by 30 lbs. Published allowable EPA values based upon calculations of Spaulding Lighting Allowable EPA values for project requiring AASHTO methodology are available upon request.

Notes: Factory supplied template must be used when setting anchor bolts; Hubbell Lighting will deny any claim for incorrect anchorage placement resulting from failure to use factory supplied template anchor bolts.

Stocked Poles

Catalog Number	Description
SES18407TAGLDB	POLE-SES-18Fx40-ID-1-TA-TENON-GALVANIZED-DARK BRONZE
SES18407TAGLBL	POLE-SES-18Fx40-ID-1-TA-TENON-GALVANIZED-BLACK
SES18407TAGLPS	POLE-SES-18Fx40-ID-1-TA-TENON-GALVANIZED-PLATINUM SILVER
SES18507TAGLDB	POLE-SES-18Fx50-ID-1-TA-TENON-GALVANIZED-DARK BRONZE
SES18507TAGLPS	POLE-SES-18Fx50-ID-1-TA-TENON-GALVANIZED-PLATINUM SILVER
SES22507TAGLDB	POLE-SES-22Fx50-ID-1GA-TENON-GALVANIZED-DARK BRONZE
SES22507TAGLPS	POLE-SES-22Fx50-ID-1GA-TENON-GALVANIZED-PLATINUM SILVER
SES28507TAGLDB	POLE-SES-26.6Fx50-ID-1GA-TENON-GALVANIZED-DARK BRONZE
SES28507TAGLPS	POLE-SES-26.6Fx50-ID-1GA-TENON-GALVANIZED-PLATINUM SILVER

Bolt Circle Diagram



All listed SES poles use 27701349904 paper template

It's the contractors' responsibilty to ensure that new poles will fit existing bases

Web: www.securitylighting.com
2100 Golf Road, Suite 460, Rolling Meadows, IL 60008-4704
Phone: 1-800-LIGHT IT, 1-800-544-4848, Fax: 847-279-0642

Copyright ©2016 Security Lighting, a division of Hubbell Lighting, Inc.
All Rights Reserved. • Specifications subject to change without notice. • Printed in U.S.A. • SL5001B 06/17

HUBBELL Lighting

SECURITY LIGHTING™

SES GALVANIZED POLES

SQUARE STEEL STRAIGHT POLES (SSP)

Accessories

Pole Cap



4" POLE CAP 20102389702
5" POLE CAP 20102389802
6" POLE CAP 20102389902

Tenon

TA (2 3/8" OD)



Note: TA Tenons are factory installed. For installation into open top poles, use TT1A tenon top adapter.

Hand Hole Cover



Note: Hand hole cover included with all new poles. Replacement parts: 22106600110 = (2)23115899903 + (1)59506689903(3"x5")

Base Cover

Order as a separate line item

Catalog Number	Description
Pole Base Covers for Square Poles	
SBC-4-XX[1]	10 1/2" Sq x 5" Deep (use on 4" sq poles)
SBC-4L-XX[1]	12 1/4" Sq x 5" Deep (use on 4" sq poles)
SBC-5-XX[1]	12 1/4" Sq x 6" Deep (use on 5" sq poles)
SBC-6-XX[1]	12 1/4" Sq x 5" Deep (use on 6" sq poles)

1. Replace XX with two letter color designation

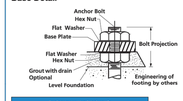


Anchorage | Order as a separate line item



Note Fabricated from high tensile steel, each anchor bolt has two nuts and two washers; Galvanized anchor bolts are hot dipped; Galvanized includes threaded portion plus six inches minimum; Anchor Bolt template included with pole purchase.

Base Detail



Replacement Nut/Washer Kit	
80031324902	3/4" TAB30 Set
80031329802	1" TAB36 Set
80036549903	1 1/4" TAB42 Set

Web: www.securitylighting.com
2100 Golf Road, Suite 460, Rolling Meadows, IL 60008-4704
Phone: 1-800-LIGHT IT, 1-800-544-4848, Fax: 847-279-0642

Copyright ©2016 Security Lighting, a division of Hubbell Lighting, Inc.
All Rights Reserved. • Specifications subject to change without notice. • Printed in U.S.A. • SL5001B 06/17

HUBBELL Lighting

SECURITY LIGHTING™

SES GALVANIZED POLES

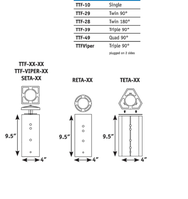
SQUARE STEEL STRAIGHT POLES (SSP)

Mounting Brackets | Order As accessories

Side Mounting Locations

Catalog Number	Description	EPA	Weight
TTF-XX-XX[1,2]	4" Square pole top tenon adapter 2 3/8" OD slipfitter for max. four fixtures (90°)	0.49[3] 0.04m²	200lbs. 9kgs.
RETA-XX[1,2] RETA-XX-HSPER[4]	4" Round pole top tenon adapter 2 3/8" OD slipfitter for max. four fixtures (90°)	0.29[3] 0.02m²	200lbs. 9kgs.
TETA-XX[1,2]	Three sided pole top tenon adapter 2 3/8" OD slipfitter for max. three fixtures (120°)		200lbs. 9kgs.
TTF-HSPER-XX	4" Square pole top tenon adapter 2 3/8" OD slipfitter for max. fixture (90 0) Drilled 3 sides for Viper and plugged on two sides		

TT1-10	Single
TTF-2X	Twin 90°
TTF-2B	Twin 180°
TTF-3X	Triple 90°
TTF-4X	Quad 90°
TTFVIper	Triple 90° (angled at 3 sides

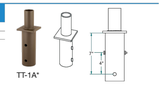


1 Replace X or XX with color designation
2 All fitters drilled with drill pattern 26 (except for TTFVIPER). Any other drill pattern must be designated at time of ordering.
3 Must use 10° arm on fixture for 120° mounting
4 Drilled for Beacon Viper LED fixture on x sides with 3 sides plugged

Tenon Insert for single fixture mounting or tenon adapters

TT1AA-XX[1,2]	2 3/8" OD Tenon top adapter for 4" square open top poles, (slips 9" into pole aligns with 86 drill pattern)
TT1AS-XX[1,2]	2 3/8" OD Tenon top adapter for 5" square open top poles, (slips 9" into pole aligns with 86 drill pattern)

1 TT1A not required with tenon top pole. Use only for exactly 2" or 4" pole.
2 Replace XX with two letter color designation
3 Installed with one through bolt supplied with fitter. May require field drilling of pole for proper installation.

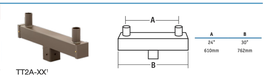


Two Fixture Mounting Bracket

Decorative steel floodlight brackets 4" square tubing with 2 1/4" O.D. fixture tenons. Square 4" bottom with 2 1/2" I.D. internet adapter for standard round tenons. Available in multiple finishes as shown. Use with SES series poles

Description	Maximum Weight Per Tenon		EPA		Weight	
	lbs	(kg)	Ft²	(m²)	lbs.	(kg)
Twin 180°	60	(27.2)	1.2	(0.1)	24	(10.9)

1 Replace XX with two letter color designation

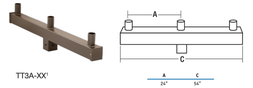


Three Fixture Mounting Bracket

Decorative steel floodlight brackets 4" square tubing with 2 1/4" O.D. fixture tenons. Square 4" bottom with 2 1/2" I.D. internet adapter for standard round tenons. Available in multiple finishes as shown. Use with SES series poles

Description	Maximum Weight Per Tenon		EPA		Weight	
	lbs	(kg)	Ft²	(m²)	lbs.	(kg)
Triple 180°	60	(27.2)	2.3	(0.2)	44	(19.9)

1 Replace XX with two letter color designation



Web: www.securitylighting.com
2100 Golf Road, Suite 460, Rolling Meadows, IL 60008-4704
Phone: 1-800-LIGHT IT, 1-800-544-4848, Fax: 847-279-0642

Copyright ©2016 Security Lighting, a division of Hubbell Lighting, Inc.
All Rights Reserved. • Specifications subject to change without notice. • Printed in U.S.A. • SL5001B 06/17

HUBBELL Lighting

SECURITY LIGHTING™

SES GALVANIZED POLES

SQUARE STEEL STRAIGHT POLES (SSP)

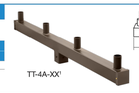
Mounting Brackets | Order As accessories

Four Fixture Mounting Bracket

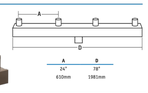
Decorative steel floodlight brackets 4" square tubing with 2 1/4" O.D. fixture tenons. Square 4" bottom with 2 1/2" I.D. internet adapter for standard round tenons. Available in multiple finishes as shown. Use with SES series poles

Description	Maximum Weight Per Tenon		EPA		Weight	
	lbs	(kg)	Ft²	(m²)	lbs.	(kg)
Quad 180°	60	(27.2)	3.4	(0.3)	44	(20)

1 Replace XX with two letter color designation



TT-4A-XX[1]



Four Fixture Mounting Bracket (90°)

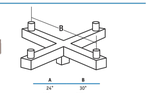
Decorative steel floodlight brackets 4" square tubing with 2 1/4" O.D. fixture tenons. Square 4" bottom with 2 1/2" I.D. internet adapter for standard round tenons. Available in multiple finishes as shown. Use with SES series poles

Description	Maximum Weight Per Tenon		EPA		Weight	
	lbs	(kg)	Ft²	(m²)	lbs.	(kg)
Quad 180°	60	(27.2)	2.8	(0.3)	44	(20.0)

1 Replace XX with two letter color designation



TT-4AX-XX[1] (90°)



Web: www.securitylighting.com
2100 Golf Road, Suite 460, Rolling Meadows, IL 60008-4704
Phone: 1-800-LIGHT IT, 1-800-544-4848, Fax: 847-279-0642

Copyright ©2016 Security Lighting, a division of Hubbell Lighting, Inc.
All Rights Reserved. • Specifications subject to change without notice. • Printed in U.S.A. • SL5001B 06/17

HUBBELL Lighting

SECURITY LIGHTING™

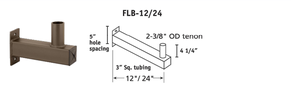
SES GALVANIZED POLES

SQUARE STEEL STRAIGHT POLES (SSP)

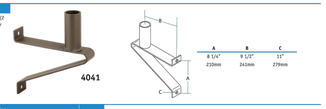
Mid Pole Bracket Options | Order As accessories

Catalog Number	Description
FLB-12-XX[1,2]	12" floodlight bracket for pole mounting (bracket requires internal pole access)
FLB-24-XX[1,2]	24" floodlight bracket for pole mounting (bracket requires internal pole access)

1 Replace XX with two letter color designation
2 Mounting Hardware by others

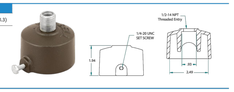


Catalog Number	Description
4041	Heavy-duty steel wall/pole bracket 1" pipe (2 3/8" OD) tenon fitting for use with slipfitter units or 4024C In dark bronze finish Mounting Hardware by Others



Catalog Number	Description
S-302-XX[1]	Slipfits 1 1/2" or 2" pipe (3.9" OD or 2 3/8" OD) with 1/2" N.P.S.M. hub; Bronze .62(3.1)

1 Replace XX with two letter color designation

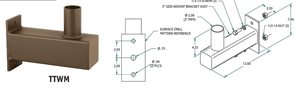


Catalog Number	Description
4024C	Steel Slipfitter for 2" pipe, 2 3/8" OD pole mount, bronze finish
4024CH53	Steel Slipfitter for 2" pipe, 2 3/8" OD pole mount, gray fetish
4024CH38	Steel Slipfitter for 2" pipe, 2 3/8" OD pole mount, galvanized finish



Catalog Number	Description
TTWM-XX[1]	Wall Mount Bracket with 2 3/8" OD Tenon

1 Replace XX with two letter color designation
2 Mounting Hardware by others



Web: www.securitylighting.com
2100 Golf Road, Suite 460, Rolling Meadows, IL 60008-4704
Phone: 1-800-LIGHT IT, 1-800-544-4848, Fax: 847-279-0642

Copyright ©2016 Security Lighting, a division of Hubbell Lighting, Inc.
All Rights Reserved. • Specifications subject to change without notice. • Printed in U.S.A. • SL5001B 06/17

HUBBELL Lighting

SECURITY LIGHTING™

SES GALVANIZED POLES

SQUARE STEEL STRAIGHT POLES (SSP)

Pole Introduction | Pole Selection Guide

Poles should initially be selected, according to lighting application needs, and second, but equally important, according to the structural requirements imposed on the pole by the lighting fixtures, bracketry and wind. Before attempting to make this selection, it would be helpful to have an understanding of the terminology, such as steady or sustained wind velocity, gust velocity, EPA, special wind region, and maximum weight. Then a step-by-step procedure can be followed to select the proper pole for your particular requirements.

STEADY WIND OR SUSTAINED WIND VELOCITY

This is the maximum steady wind velocity expressed in MPH likely to occur in a specific location. Refer to isotach wind map on the next page for the wind velocity in your location. Isotach maps are provided for reference only. **Consult local authorities to determine the maximum velocities in your area.**

GUST VELOCITY

Our Isotach maps represent two different methods of addressing wind speed gusts. We have used the 'fastest-mile' wind speeds for years. These have a 1.3 gust factor in the calculations to account for gusting. As technology has improved the ability to accurately measure wind speeds for short durations, the gusts associated to a sustained wind speed have lessened. We are now moving toward '3-second-gust' wind speed maps. The results are typically higher steady/sustained wind speeds with lower factors for gusts. The gust factors are different depending on the wind speed map selected.

EFFECTIVE PROJECTED AREA

Effective Projected Area (EPA) is the exposed surface area of a fixture and bracket multiplied by a shape factor which varies depending on the shape of the fixture and bracket. For example, a large rectangular fixture will present more resistance to the wind than will a round or cylindrical shape.

SPECIAL WIND REGIONS

Many locations such as mountainous areas, coastal areas and areas surrounding the Great Lakes exhibit wind velocities considerably higher than the surrounding areas. **Consult local authorities to determine maximum wind velocities and select equipment accordingly.**

MAXIMUM WEIGHT

This is the maximum allowable weight based on EPA loads. The weight is based on 30 pounds per square foot of EPA. Weight exceeding the 30 pound per foot of EPA may reduce the allowable EPA rating of the pole.

POLE SELECTION PROCEDURE

With an understanding of the parameters for pole selection, you can follow this simple step-by-step procedure and, with confidence, select a pole to meet your particular requirements.

1. Determine the site location and steady wind velocity by referring to the appropriate Isotach map. If the steady wind exceeds those listed, consult factory. The Isotach maps are provided for reference only. **Consult local authorities to determine the maximum velocities in your area.**
2. Total the **EPA** for the required luminaires and bracketry.
3. Total the **weight** of the luminaires and bracketry.
4. Compare steps 2 and 3 with the maximum allowable EPA and weight tables shown for the style, material, and height pole required. The maximum allowable must be equal to or exceed the totals from steps 2 and 3.

POLE SELECTION CONCERNS

Caution: These selection methods are guidelines only. Hubbell Lighting assumes no responsibility for selection and recommends you consult qualified professionals for verification of overall system design, site suitability, foundation considerations and applicable code and regulatory conformances.

Maintenance: The facility owner's/manager's regular scheduled maintenance program must include initial and regular follow-up inspections for structural damage, broken welds, tampering, nut loosening, missing wire covers, dangling electrical wiring, internal or external corrosion, foundation settlement, excessive shaft deflection and vibration for all lighting poles. Immediate repair or replacement may be necessary.

Overloading: Do not overload poles by attaching flags, banners, or any items that can add excessive wind or mechanical load to designed pole assemblies.

Observation: Installation and local area conditions can dramatically affect lighting pole performance. Excessive vibration may result from some wind and mounting conditions. Only individuals with local knowledge, who have observed or inspected the site can effectively evaluate site specific issues. Consult the factory for information on vibration dampers, special corrosion, foundation settlement, excessive shaft deflection and vibration for all lighting poles. Immediate repair or replacement may be necessary.

Web: www.securitylighting.com
2100 Golf Road, Suite 460, Rolling Meadows, IL 60008-4704
Phone: 1-800-LIGHT IT, 1-800-544-4848, Fax: 847-279-0642

Copyright ©2016 Security Lighting, a division of Hubbell Lighting, Inc.
All Rights Reserved. • Specifications subject to change without notice. • Printed in U.S.A. • SL5001B 06/17

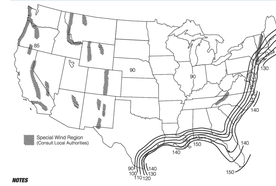
HUBBELL Lighting

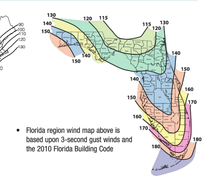
SECURITY LIGHTING™

SES GALVANIZED POLES

SQUARE STEEL STRAIGHT POLES (SSP)

Wind Speed





- Florida region wind map above is based upon 3-second gust winds and the 2010 Florida Building Code

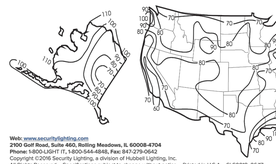
NOTES

- Allowable EPA, to determine max pole loading weight, multiply allowable EPA by 30 lbs.
- The tables for allowable pole EPA are based on the ASCE 7-05 Wind Map or the Florida Region Wind Map for the 2010 Florida Building Code. The Wind Maps are intended only as a general guide and cannot be used in conjunction with other maps. Always consult local authorities to determine maximum wind velocities, gusting and unique wind conditions for each specific application
- Allowable pole EPA for jobsite wind conditions must be equal to or greater than the total EPA for fixtures, arms, and accessories to be assembled to the pole. Responsibility lies with the specifier for correct pole selection. Installation of poles without luminaires or attachment of any unauthorized accessories to poles is discouraged and shall void the manufacturer's warranty
- Wind speeds and listed EPAs are for ground mounted installations. Poles mounted on structures (such as bridges and buildings) must consider vibration and coefficient of height factors beyond this general guide; Consult local and federal standards
- Wind Induced Vibration brought on by steady, unidirectional winds and other unpredictable aerodynamic forces are not included in wind velocity ratings. Consult Hubbell Lighting's Pole Vibration Application Guide for environmental risk factors and design considerations. http://cdn.hubbellpowersystems.com/content/products/literature/Vibration_Max/Pole_Wind_Induced_Fiber_HLWM002.pdf
- Extreme Wind Events like, Hurricanes, Typhoons, Cyclones, or Tornadoes may expose poles to flying debris, wind shear or other detrimental effects not included in wind velocity ratings

STEADY/SUSTAINED WIND VELOCITY (Miles Per Hour, for KM/hr - multiply values by 1.61)

- Hawaii has an 80 MPH wind velocity
- Puerto Rico has a 95 MPH wind velocity
- Use caution in determining wind velocities in special wind areas such as mountainous areas, coastal areas and areas surrounding the Great Lakes
- Isotach map is provided for reference only. **Consult local authorities to determine the maximum velocities in your area**

Note The maximum allowable EPA and weights are listed for each pole; The EPA and weights are listed in this Selection Guide for each luminaire and bracket



For information on AASHTO Standards for Lighting Equipment contact:
American Association of State Highway and Transportation Officials
444 N. Capitol Street, NW, Suite 249
(202) 624-5800
www.aashto.org

AASHTO standards used are found in the following publications:
1-LTS-3 *"Standard Specification For Structural Support for Highway Signs, Luminaires And Traffic Signals"*, (1994)
1-LTH-1 *"A Guide for Standardizing Highway Lighting Pole Hardware"*, (1985)
1-GL-5 *"An Informational Guide for Roadway Lighting"*, (1984)

Web: www.securitylighting.com
2100 Golf Road, Suite 460, Rolling Meadows, IL 60008-4704
Phone: 1-800-LIGHT IT, 1-800-544-4848, Fax: 847-279-0642

Copyright ©2016 Security Lighting, a division of Hubbell Lighting, Inc.
All Rights Reserved. • Specifications subject to change without notice. • Printed in U.S.A. • SL5001B 06/17

HUBBELL Lighting

REV	DATE	DESCRIPTION	BY
1	9/27/21	REVISION 1	JJM

Kimley»Horn

PREPARED BY:

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION
Kimley»Horn
Kimley-Horn and Associates, Inc.

PREPARED FOR:
McDonald's USA, LLC

© These drawings and specifications are the confidential and proprietary property of McDonald's USA, LLC and shall not be copied or reproduced without written authorization. The contract documents were prepared for use on this specific site in conjunction with its issue date and are not to be used for any other purpose or on another project. Reproduction of these drawings for reference or example on another project requires the services of properly licensed architects and engineers. Reproduction of the contract documents for reuse on another project is not authorized.

DRAWN BY	CHECKED BY
JJM	JRH
STD ISSUE DATE	DATE ISSUED
7/1/21	9/3/2021

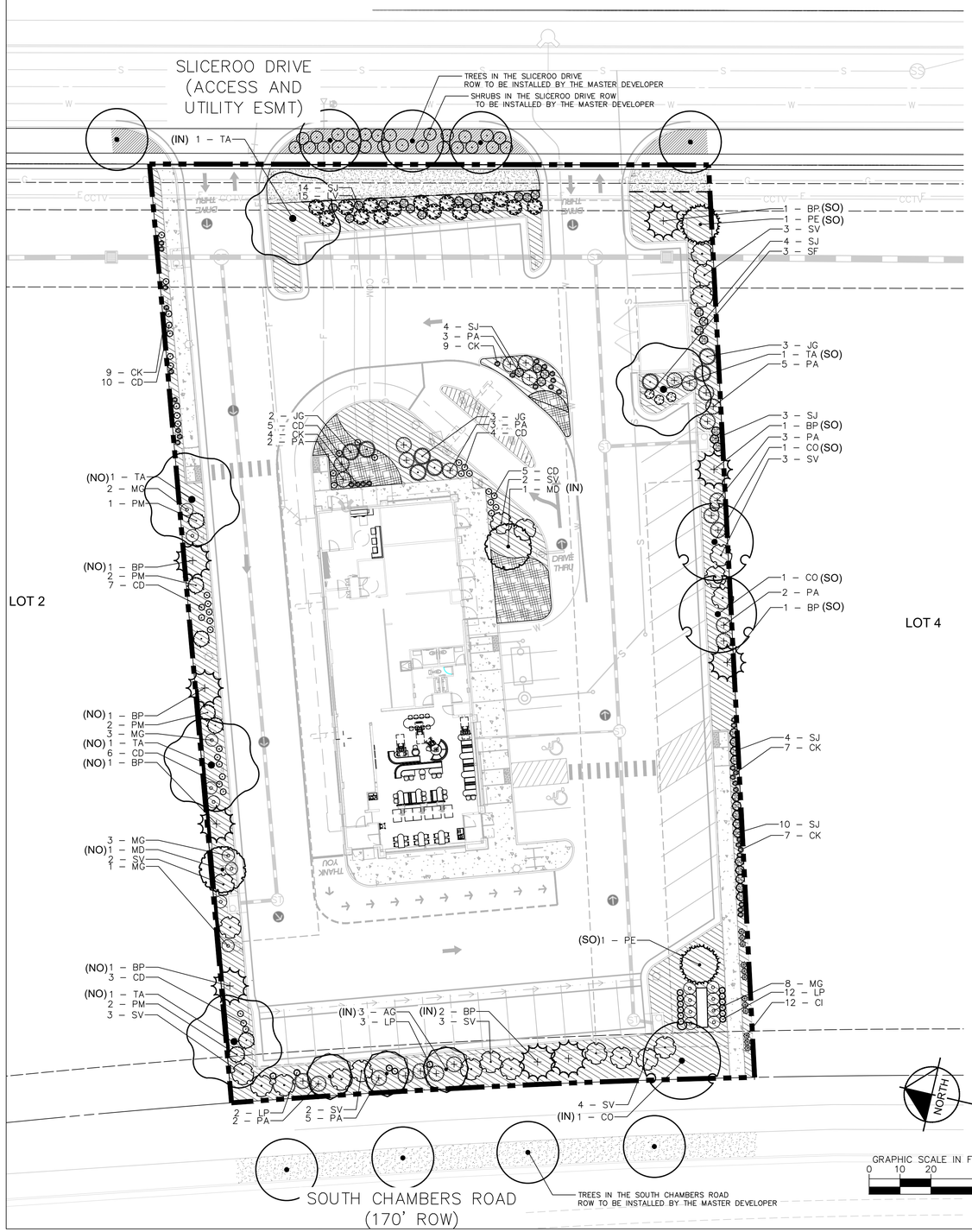
TITLE: SITE PLAN
DESCRIPTION: PHOTOMETRIC DETAILS
SITE ADDRESS: LOT 3, DOUGLAS 234 FILING NO. 6
SITE ID: 00507785

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

DOUGLAS 234 FILING NO. 6, LOT 3

A PORTION OF THE SOUTHEAST 1/4 OF THE SECTION 29,
TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH P.M.
TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO

SITE PLAN



PLANT SCHEDULE

BY MASTER DEVELOPER	CODE	QTY	BOTANICAL / COMMON NAME	CONT.	SIZE/CAL.	WIDTH	HEIGHT
	TREE MD	9	TREE BY MASTER DEVELOPER	EXISTING			
DECIDUOUS TREES	**CODE**	**QTY**	**BOTANICAL / COMMON NAME**	**CONT.**	**SIZE/CAL.**	**WIDTH**	**HEIGHT**
	CO	3	CELTIS OCCIDENTALIS / COMMON HACKBERRY	B & B	2" CAL MIN	40`-50`	50`-60`
	TA	5	TILIA AMERICANA / AMERICAN LINDEN	B & B	2" CAL MIN	30`-40`	40`-50`
EVERGREEN TREES	**CODE**	**QTY**	**BOTANICAL / COMMON NAME**	**CONT.**	**SIZE/CAL.**	**WIDTH**	**HEIGHT**
	BP	9	PINUS ARTISTATA / BRISTLECONE PINE	B & B	6` HGT.	10`-15`	20`-30`
	PE	2	PINUS EDULIS / PINON PINE	B & B	6` HGT.	10`-15`	20`-30`
ORNAMENTAL TREES	**CODE**	**QTY**	**BOTANICAL / COMMON NAME**	**CONT.**	**SIZE/CAL.**	**WIDTH**	**HEIGHT**
	AG	3	ACER GINNALA / AMUR MAPLE	B & B	2" CAL MIN	15`-20`	15`-20`
	MD	2	MALUS 'DOLGO' / DOLGO CRABAPPLE	B & B	2" CAL MIN	15`-20`	15`-20`
BY MASTER DEVELOPER	**CODE**	**QTY**	**BOTANICAL / COMMON NAME**	**CONT. SIZE**	**SPACING**	**WIDTH**	**HEIGHT**
	SHRUB M	26	SHRUB BY MASTER DEVELOPER	EXISTING			
DECIDUOUS SHRUBS	**CODE**	**QTY**	**BOTANICAL / COMMON NAME**	**CONT. SIZE**	**SPACING**	**WIDTH**	**HEIGHT**
	LP	17	AMORPHA CANESCENS / LEADPLANT	5 GAL.	SEE PLAN	2`-4`	2`-4`
	LV	15	LIGUSTRUM VULGARE 'CHEYENNE' / CHEYENNE PRIVET	5 GAL.	SEE PLAN	4`-6`	6`-8`
	PA	25	PEROVSKIA ATRIPLICIFOLIA / RUSSIAN SAGE	5 GAL.	SEE PLAN	3`-5`	3`-5`
	SF	3	SPIRAEA JAPONICA `NEON FLASH` / NEON FLASH SPIREA	5 GAL.	SEE PLAN	2`-4`	2`-3`
	SV	22	SYRINGA VULGARIS `WEDGWOOD BLUE` / WEDGWOOD BLUE LILAC	5 GAL.	SEE PLAN	6`-8`	6`-8`
EVERGREEN SHRUBS	**CODE**	**QTY**	**BOTANICAL / COMMON NAME**	**CONT. SIZE**	**SPACING**	**WIDTH**	**HEIGHT**
	JG	8	JUNIPERUS X MEDIA `SEA GREEN` / SEA GREEN JUNIPER	5 GAL.	SEE PLAN	6`-8`	5`-6`
	PM	7	PINUS MUGO `SLOWMOUND` / MUGO PINE	5 GAL.	SEE PLAN	5`-6`	3`-5`
	SJ	39	JUNIPERUS SCOPULORUM 'SKYROCKET' / SKYROCKET JUNIPER	5 GAL.	SEE PLAN	2`-3`	10`-12`
GRASSES	**CODE**	**QTY**	**BOTANICAL / COMMON NAME**	**CONT. SIZE**	**SPACING**	**WIDTH**	**HEIGHT**
	CK	37	CALAMAGROSTIS X ACUTIFLORA `KARL FOERSTER` / FEATHER REED GRASS	5 GAL.	SEE PLAN	18"-24"	4`-5`
	MG	17	MISCANTHUS SINENSIS `GRACILLIMUS` / MAIDEN GRASS	5 GAL.	SEE PLAN	3`-5`	4`-5`
PERENNIALS	**CODE**	**QTY**	**BOTANICAL / COMMON NAME**	**CONT. SIZE**	**SPACING**	**WIDTH**	**HEIGHT**
	CD	40	CENTAUREA DEALBATA / PERSIAN CORNFLOWER	1 GAL.	SEE PLAN	18"-24"	18"-24"
	CI	12	CALLIRHOE INVOLUCRATA / PRAIRIE WINECUPS	1 GAL.	SEE PLAN	2`-3`	6"-12"
GROUND COVERS	**CODE**	**QTY**	**BOTANICAL / COMMON NAME**	**TYPE**	**INSTALL RATE**	**WEED FABRIC**	**MFR.**
	ROCK	456 SF	4-6"" GLACIER WHITE GRANITE RIVER ROCK INSTALLED AT A MINIMUM DEPTH OF 3" OVER WEED BARRIER FABRIC. SUBMIT SAMPLE FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.	ROCK MULCH	3" DEPTH	YES	
	ROCK2	8,908 SF	2-4" WHITE QUARTZ ROCK MULCH INSTALLED AT A MINIMUM DEPTH OF 3" OVER WEED BARRIER FABRIC. SUBMIT SAMPLE FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.	ROCK MULCH	3" DEPTH	YES	
	SEED	976 SF	PBSI NATIVE LAWN MIX 50% BUFFALOGRASS, 50% BLUE GRAMA	SEED			PAWNEE BUTTES SEED

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

REV	DATE	DESCRIPTION	BY
1	9/27/21	REVISION 1	JJM

Kimley»Horn

PREPARED BY:

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION
Kimley»Horn
Kimley-Horn and Associates, Inc.

PREPARED FOR:
McDonald's USA, LLC

© These drawings and specifications are the confidential and proprietary property of McDonald's USA, LLC and shall not be copied or reproduced without written authorization. The contract documents were prepared for use on the specific site in conjunction with its issue date and are not suitable for use on any other site. Any use or reuse of these drawings for reference or example on another project requires the services of properly licensed architects and engineers. Reproduction of the contract documents for reuse on another project is not authorized.

DRAWN BY	REVIEWED BY	DATE ISSUED
JJM	JRH	9/3/2021
STD. ISSUE DATE		
7/1/21		

TITLE: **SITE PLAN**

DESCRIPTION: **LANDSCAPE PLAN**

SITE ID: 00507B5

SITE ADDRESS: LOT 3, DOUGLAS 234 FILING NO. 6

DOUGLAS 234 FILING NO. 6, LOT 3

A PORTION OF THE SOUTHEAST 1/4 OF THE SECTION 29,
TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH P.M.
TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO

SITE PLAN

GENERAL LANDSCAPE SPECIFICATIONS

A. SCOPE OF WORK

1. THE WORK CONSISTS OF: FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE DRAWINGS AND AS SPECIFIED HEREIN.
2. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL CONTRACT PLANTING AREAS UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER.

B. PROTECTION OF EXISTING STRUCTURES

1. ALL EXISTING BUILDINGS, WALKS, WALLS, PAVING, PIPING, OTHER SITE CONSTRUCTION ITEMS, AND PLANTING ALREADY COMPLETED OR ESTABLISHED AND DESIGNATED TO REMAIN SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM NEGLIGENCE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL NECESSARY BEST MANAGEMENT PRACTICES (BMP) DEVICES ACCORDING TO ALL REGULATORY AGENCY'S STANDARDS THROUGH THE DURATION OF ALL CONSTRUCTION ACTIVITIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MAINTENANCE OF TRAFFIC (MOT) THAT MAY BE REQUIRED FOR THE PROJECT.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES, WHETHER PUBLIC OR PRIVATE, PRIOR TO EXCAVATION. THE OWNER AND DESIGN PROFESSIONAL SHALL NOT BE RESPONSIBLE FOR THE ACCURACY AND COMPLETENESS OF ANY SUCH INFORMATION OR DATA. THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR; REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA; LOCATING ALL UNDERGROUND FACILITIES DURING CONSTRUCTION; THE SAFETY AND PROTECTION THEREOF; REPAIRING ANY DAMAGE THERETO RESULTING FROM THE WORK. THE COST OF ALL WILL BE CONSIDERED AS HAVING BEEN INCLUDED IN THE CONTRACT PRICE. THE CONTRACTOR SHALL NOTIFY ANY AFFECTED UTILITY COMPANIES OR AGENCIES IN WRITING AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.

C. PROTECTION OF EXISTING PLANT MATERIALS

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHRUBS EXISTING OR OTHERWISE, CAUSED BY CARELESS EQUIPMENT OPERATION, MATERIAL STOCKPILING, ETC., . THIS SHALL INCLUDE COMPACTION BY DRIVING OR PARKING INSIDE THE DRIP-LINE AND SPILLING OIL, GASOLINE, OR OTHER DELETERIOUS MATERIALS WITHIN THE DRIP-LINE. NO MATERIALS SHALL BE BURNED ON SITE. EXISTING TREES KILLED OR DAMAGED SO THAT THEY ARE MISSHAPEN AND/OR UNSIGHTLY SHALL BE REPLACED AT THE COST TO THE CONTRACTOR OF FOUR HUNDRED DOLLARS ($400) PER CALIPER INCH ON AN ESCALATING SCALE WHICH ADDS AN ADDITIONAL TWENTY (20) PERCENT PER INCH OVER FOUR (4) INCHES CALIPER AS FIXED AND AGREED LIQUIDATED DAMAGES. CALIPER SHALL BE MEASURED SIX (6) INCHES ABOVE GROUND LEVEL FOR TREES UP TO AND INCLUDING FOUR (4) INCHES IN CALIPER AND TWELVE (12) INCHES ABOVE GROUND LEVEL FOR TREES OVER FOUR (4) INCHES IN CALIPER.
2. SEE TREE MITIGATION PLAN AND NOTES, IF APPLICABLE.

D. MATERIALS

1. GENERAL

   MATERIAL SAMPLES LISTED BELOW SHALL BE SUBMITTED FOR APPROVAL, ON SITE OR AS DETERMINED BY THE OWNER. UPON APPROVAL, DELIVERY OF MATERIALS MAY COMMENCE.

MATERIAL	SAMPLE SIZE
MULCH	ONE (1) CUBIC FOOT
TOPSOIL MIX	ONE (1) CUBIC FOOT
PLANTS	ONE (1) OF EACH VARIETY (OR TAGGED IN NURSERY)

2. PLANT MATERIALS

   a. FURNISH NURSERY-GROWN PLANTS TRUE TO GENUS, SPECIES, VARIETY, CULTIVAR, STEM FORM, SHEARING, AND OTHER FEATURES INDICATED IN PLANT SCHEDULE SHOWN ON DRAWINGS AND COMPLYING WITH ANSI Z60.1 AND THE COLORADO NURSERY ACT; AND WITH HEALTHY ROOT SYSTEMS DEVELOPED BY TRANSPLANTING OR ROOT PRUNING. PROVIDE WELL-SHAPED, FULLY BRANCHED, HEALTHY, VIGOROUS STOCK, DENSELY FOLIATED WHEN IN LEAF AND FREE OF DISEASE, PESTS, EGGS, LARVAE, AND DEFECTS SUCH AS KNOTS, SUN SCALD, INJURIES, ABRASIONS, AND DISFIGUREMENT.

   b. TREES FOR PLANTING IN ROWS SHALL BE UNIFORM IN SIZE AND SHAPE.

   c. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN PERMISSION FROM THE PROJECT LANDSCAPE ARCHITECT. ANY ROW TREES MUST BE APPROVED BY OFFICE OF THE CITY FORESTER.

   d. PROVIDE PLANTS OF SIZES, GRADES, AND BALL OR CONTAINER SIZES COMPLYING WITH ANSI Z60.1 AND COLORADO NURSERY ACT FOR TYPES AND FORM OF PLANTS REQUIRED. PLANTS OF A LARGER SIZE MAY BE USED IF ACCEPTABLE TO PROJECT LANDSCAPE ARCHITECT WITH A PROPORTIONATE INCREASE IN SIZE OF ROOTS OR BALLS.

   e. PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, OR UPON DELIVERY TO THE SITE, AS DETERMINED BY THE OWNER, FOR QUALITY, SIZE, AND VARIETY. SUCH APPROVAL SHALL NOT IMPAIR THE RIGHT OF INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION FOR SIZE AND CONDITION OF ROOT BALLS OR ROOTS, LATENT DEFECTS OR INJURIES. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUESTING INSPECTION SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANTICIPATED DATE.

   f. TREES WITH DAMAGED, CROOKED, OR MULTIPLE LEADERS; TIGHT VERTICAL BRANCHES WHERE BARK IS SQUEEZED BETWEEN TWO BRANCHES OR BETWEEN BRANCH AND TRUNK ("INCLUDED BARK"); CROSSING TRUNKS; CUT-OFF LIMBS MORE THAN ¾ INCH (19 MM) IN DIAMETER; OR WITH STEM GIRDLING ROOTS WILL BE REJECTED.

   g. FURNISH TREES AND SHRUBS WITH ROOTS BALLS MEASURED FROM TOP OF ROOT BALL, WHICH SHALL BEGIN AT ROOT FLARE ACCORDING TO ANSI Z60.1 AND COLORADO NURSERY ACT. ROOT FLARE SHALL BE VISIBLE BEFORE PLANTING.

   h. LABEL AT LEAST ONE PLANT OF EACH VARIETY, SIZE, AND CALIPER WITH A SECURELY ATTACHED, WATERPROOF TAG BEARING LEGIBLE DESIGNATION OF COMMON NAME AND FULL SCIENTIFIC NAME, INCLUDING GENUS AND SPECIES. INCLUDE NOMENCLATURE FOR HYBRID, VARIETY, OR CULTIVAR, IF APPLICABLE FOR THE PLANT AS SHOWN ON DRAWINGS.

   i. IF FORMAL ARRANGEMENTS OR CONSECUTIVE ORDER OF PLANTS IS SHOWN ON DRAWINGS, SELECT STOCK FOR UNIFORM HEIGHT AND SPREAD, AND NUMBER THE LABELS TO ASSURE SYMMETRY IN PLANTING.

E. SOIL MIXTURE

1. CONTRACTOR SHALL TEST EXISTING SOIL AND AMEND AS NECESSARY IN ACCORDANCE WITH THE GUIDELINES BELOW:
2. SOIL MIXTURE SHALL CONSIST OF TWO PARTS OF TOPSOIL AND ONE PART SAND, AS DESCRIBED BELOW. CONTRACTOR TO SUBMIT SAMPLES AND PH TESTING RESULTS OF SOIL MIXTURE FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO PLANT INSTALLATION OPERATIONS COMMENCE.

   a. TOPSOIL FOR USE IN PREPARING SOIL MIXTURE FOR BACKFILLING PLANT OPENINGS SHALL BE FERTILE, FRIABLE, AND OF A LOAMY CHARACTER; REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS AND OTHER LITTER; FREE OF ROOTS, STUMPS, STONES LARGER THAN 2" IN ANY DIRECTION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. IT SHALL CONTAIN THREE (3) TO FIVE (5) PERCENT DECOMPOSED ORGANIC MATTER, HAVE A PH BETWEEN 5.5 AND 8.0, AND SOLUBLE SALTS LESS THAN 3.0 MMHOS/CM. SUBMIT SOIL SAMPLE AND PH TESTING RESULTS FOR APPROVAL.

   b. SAND SHALL BE COARSE, CLEAN, WELL-DRAINING, NATIVE SAND.

3. TREES SHALL BE PLANTED IN THE EXISTING NATIVE SOIL ON SITE, UNLESS DETERMINED TO BE UNSUITABLE - AT WHICH POINT THE CONTRACTOR SHALL CONTACT THE PROJECT LANDSCAPE ARCHITECT TO DISCUSS ALTERNATE RECOMMENDATION PRIOR TO PLANTING.

F. WATER

1. WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN ADEQUATE PLANT GROWTH AND SHALL NOT CONTAIN HARMFUL, NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS. WATER MEETING THE ABOVE STANDARD SHALL BE OBTAINED ON THE SITE FROM THE OWNER, IF AVAILABLE, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS, HOSES, SPRINKLERS, ETC.... IF SUCH WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL PROVIDE SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO THE OWNER.

   * WATERING/IRRIGATION RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

G. FERTILIZER

1. CONTRACTOR SHALL PROVIDE FERTILIZER APPLICATION SCHEDULE TO OWNER, AS APPLICABLE TO SOIL TYPE, PLANT INSTALLATION TYPE, AND SITE'S PROPOSED USE. SUGGESTED FERTILIZER TYPES SHALL BE ORGANIC OR OTHERWISE NATURALLY-DERIVED.

   * FERTILIZER RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

H. MULCH

1. MULCH MATERIAL SHALL BE MOISTENED AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT, AND APPLIED AT A DEPTH OF THREE (3) INCHES CLEAR MULCH FROM EACH PLANT'S CROWN (BASE) OR AS SHOWN IN PLANTING DETAILS. MULCH SHALL BE DOUBLE SHREDDED HARDWOOD MULCH. DYED MULCH IS NOT ACCEPTABLE. SUBMIT SAMPLES TO PROJECT LANDSCAPE ARCHITECT FOR APPROVAL. MULCH SHALL BE PROVIDED OVER THE ENTIRE AREA OF EACH SHRUB BED, GROUND COVER, VINE BED, AND TREE RING (6' MINIMUM) PLANTED UNDER THIS CONTRACT, AS WELL AS FOR ANY EXISTING LANDSCAPE AREAS AS SHOWN ON PLANS.

I. DIGGING AND HANDLING

1. ALL TREES SPECIFIED SHALL BE BALLED AND BURLAPPED (B&B) UNLESS OTHERWISE APPROVED BY PROJECT LANDSCAPE ARCHITECT.
2. PROTECT ROOTS OR ROOT BALLS OF PLANTS AT ALL TIMES FROM SUN, DRYING WINDS, WATER AND FREEZING, AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL BE ADEQUATELY PACKED TO PREVENT DAMAGE DURING TRANSIT. TREES TRANSPORTED MORE THAN TEN (10) MILES OR WHICH ARE NOT PLANTED WITHIN THREE (3) DAYS OF DELIVERY TO THE SITE SHALL BE SPRAYED WITH AN ANTITRANSPIRANT PRODUCT ("WILTPRUF" OR EQUAL) TO MINIMIZE TRANSPIRATIONAL WATER LOSS.
3. B&B, AND FIELD GROWN (FG) PLANTS SHALL BE DUG WITH FIRM, NATURAL BALLS OF SOIL OF SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROOTS OF THE PLANTS. NO PLANTS MOVED WITH A ROOT BALL SHALL BE PLANTED IF THE BALL IS CRACKED OR BROKEN. PLANTS SHALL NOT BE HANDLED BY STEMS.

J. CONTAINER GROWN STOCK

1. ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE OF GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION.
2. AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG ENOUGH FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER. CONTAINER GROWN STOCK SHALL NOT BE HANDLED BY THEIR STEMS.
3. ROOT BOUND PLANTS ARE NOT ACCEPTABLE AND WILL BE REJECTED.

K. MATERIALS LIST

1. QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWINGS SHALL BE FURNISHED BY THE CONTRACTOR. QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE LANDSCAPE ARCHITECT OR OWNER ASSUMES NO LIABILITY FOR OMISSIONS OR ERRORS. SHOULD A DISCREPANCY OCCUR BETWEEN THE PLANS AND THE PLANT LIST QUANTITY, THE PLANS SHALL GOVERN. ALL DIMENSIONS AND/OR SIZES SPECIFIED SHALL BE THE MINIMUM ACCEPTABLE SIZE.

L. FINE GRADING

1. FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THAT HAVE BEEN DISTURBED DURING CONSTRUCTION.
2. THE CONTRACTOR SHALL FINE GRADE THE LAWN AND PLANTING AREAS TO BRING THE ROUGH GRADE UP TO FINAL FINISHED GRADE ALLOWING FOR THICKNESS OF SOD AND/OR MULCH DEPTH.
3. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED FOR POSITIVE DRAINAGE TO SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS. REFER TO CIVIL ENGINEER'S PLANS FOR FINAL GRADES, IF APPLICABLE.

M. PLANTING PROCEDURES

1. THE CONTRACTOR SHALL CLEAN WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER DAILY. ALL MORTAR, CEMENT, BUILDING MATERIALS, AND TOXIC MATERIAL SHALL BE COMPLETELY REMOVED FROM PLANTING AREAS. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS IN PLANTING AREAS WHICH WILL ADVERSELY AFFECT THE PLANT GROWTH, THE CONTRACTOR SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.
2. VERIFY LOCATIONS OF ALL UTILITIES, CONDUITS, SUPPLY LINES AND CABLES, INCLUDING BUT NOT LIMITED TO: ELECTRIC, GAS (LINES AND TANKS), WATER, SANITARY SEWER, STORMWATER SYSTEMS, CABLE, AND TELEPHONE. PROPERLY MAINTAIN AND PROTECT EXISTING UTILITIES. CALL COLORADO (811) TO LOCATE UTILITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK AND LIMEROCK SUB-BASE FROM ALL PLANTING AREAS TO A MINIMUM DEPTH OF 36" OR TO NATIVE SOIL. CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE WITH CLEAN TOPSOIL FROM AN ON-SITE SOURCE OR AN IMPORTED SOURCE. IF LIMEROCK OR OTHER ADVERSE CONDITIONS OCCUR IN PLANTED AREAS AFTER 36" DEEP EXCAVATION BY THE CONTRACTOR, AND POSITIVE DRAINAGE CAN NOT BE ACHIEVED, CONTRACTOR SHALL UTILIZE POOR DRAINAGE CONDITION PLANTING DETAIL.
4. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS SPECIFIED HEREIN. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY OR GROWING SITE.
5. COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. UPON ARRIVAL AT THE SITE, PLANTS SHALL BE THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED. PLANTS STORED ONSITE SHALL NOT REMAIN UNPLANTED OR APPROPRIATELY HEALED IN FOR A PERIOD EXCEEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES WORKMANLIKE METHODS CUSTOMARY IN ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE SHALL BE EXERCISED.
6. WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE PLANTING WITH IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF IRRIGATION APPURTENANCES AND PLANTS.
7. ALL PLANTING OPENINGS SHALL BE EXCAVATED TO SIZE AND DEPTH IN ACCORDANCE WITH ANSI Z60.1-2014 AMERICAN STANDARD FOR NURSERY STOCK.
8. TEST ALL TREE OPENINGS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER DRAINAGE. IF POOR DRAINAGE EXISTS, UTILIZE "POOR DRAINAGE CONDITION" PLANTING DETAIL.
9. TREES SHALL BE SET PLUMB AND HELD IN POSITION UNTIL THE PLANTING MIXTURE HAS BEEN FLUSHED INTO PLACE WITH A SLOW, FULL HOSE STREAM. ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURES AND UNDER THE SUPERVISION OF A QUALIFIED LANDSCAPE FOREMEN.
10. PRIOR TO EXCAVATION OF TREE OPENINGS, AN AREA EQUAL TO TWO TIMES THE DIAMETER OF THE ROOT BALL SHALL BE ROTO-TILLED TO A DEPTH EQUAL TO THE DEPTH OF THE ROOT BALL.
11. EXCAVATION OF TREE OPENINGS SHALL BE PERFORMED USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES OR HARDSCAPE ELEMENTS, FOOTERS AND PREPARED SUB-BASES.
12. IN CONTINUOUS SHRUB AND GROUND COVER BEDS, THE ROTO-TILLED PERIMETER SHOULD EXTEND TO A DISTANCE OF ONE FOOT BEYOND THE DIAMETER OF A SINGLE ROOT BALL. THE BED SHALL BE TILLED TO A DEPTH EQUAL TO THE ROOT BALL DEPTH PLUS 6".
13. TREE OPENINGS FOR WELL DRAINED SOILS SHALL BE DUG SO THAT THE BOTTOM OF THE ROOT BALL WILL REST ON UNDISTURBED SOIL AND THE TOP OF THE ROOT BALL WILL BE FLUSH WITH FINISH GRADE. IN POORLY DRAINED SOILS THE TREE OPENING SHALL BE DUG SO THAT THE ROOT BALL RESTS ON UNDISTURBED SOIL AND THE TOP OF THE ROOT BALL IS 1" ABOVE FINISH GRADE. PLANT PIT WALLS SHALL BE SCARIFIED PRIOR TO PLANT INSTALLATION.
14. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS AND BUILDING STRUCTURES WHILE INSTALLING TREES.
15. SOIL MIXTURE SHALL BE AS SPECIFIED IN SECTION 'E'.
16. TREES AND SHRUBS SHALL BE SET STRAIGHT AT AN ELEVATION THAT, AFTER SETTLEMENT, THE PLANT CROWN WILL STAND ONE (1) TO TWO (2) INCHES ABOVE GRADE. EACH PLANT SHALL BE SET IN THE CENTER OF THE PIT. SOIL MIXTURE SHALL BE BACK FILLED, THOROUGHLY TAMPED AROUND THE BALL, AND SETTLED BY WATER (AFTER TAMPING).
17. AMEND PINE AND OAK PLANT OPENINGS WITH ECTOMYCORRHIZAL SOIL APPLICATION PER MANUFACTURER'S RECOMMENDATION. ALL OTHER PLANT OPENINGS SHALL BE AMENDED WITH ENDOMYCORRHIZAL SOIL APPLICATION PER MANUFACTURER'S RECOMMENDATION. PROVIDE PRODUCT INFORMATION SUBMITTAL PRIOR TO INOCULATION.
18. FILL HOLE WITH SOIL MIXTURE, MAKING CERTAIN ALL SOIL IS SATURATED. TO DO THIS, FILL HOLE WITH WATER AND ALLOW TO SOAK MINIMUM TWENTY (20) MINUTES, STIRRING IF NECESSARY TO GET SOIL THOROUGHLY WET. PACK LIGHTLY WITH FEET, ADD MORE WET SOIL MIXTURE. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE.
19. ALL BURLAP, ROPE, WIRES, BASKETS, ETC.., SHALL BE REMOVED FROM THE SIDES AND TOPS OF BALLS, BUT NO BURLAP SHALL BE PULLED FROM UNDERNEATH.
20. TREES SHALL BE PRUNED, IN ACCORDANCE WITH ANSI A-300, TO PRESERVE THE NATURAL CHARACTER OF THE PLANT. ALL SOFT WOOD OR SUCKER GROWTH AND ALL BROKEN OR BADLY DAMAGED BRANCHES SHALL BE REMOVED WITH A CLEAN CUT. ALL PRUNING TO BE PERFORMED BY CERTIFIED ARBORIST.
21. SHRUBS AND GROUND COVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AS INDICATED ON THE PLANT LIST. MATERIALS INSTALLED SHALL MEET MINIMUM SPECIMEN REQUIREMENTS OR QUANTITIES SHOWN ON PLANS, WHICHEVER IS GREATER. CULTIVATE ALL PLANTING AREAS TO A MINIMUM DEPTH OF 6", REMOVE AND DISPOSE ALL DEBRIS. MIX TOP 4" THE PLANTING SOIL MIXTURE AS SPECIFIED IN SECTION E. THOROUGHLY WATER ALL PLANTS AFTER INSTALLATION.
22. TREE GUYING AND BRACING SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO INSURE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. IF THE CONTRACTOR AND OWNER DECIDE TO WAIVE THE TREE GUYING AND BRACING, THE OWNER SHALL NOTIFY THE PROJECT LANDSCAPE ARCHITECT IN WRITING AND AGREE TO INDEMNIFY AND HOLD HARMLESS THE PROJECT LANDSCAPE ARCHITECT IN THE EVENT UNSUPPORTED TREES PLANTED UNDER THIS CONTRACT FALL AND DAMAGE PERSON OR PROPERTY.
23. ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK. IF DIRECTED BY THE OWNER, "ROUND-UP" SHALL BE APPLIED FOR WEED CONTROL BY QUALIFIED PERSONNEL TO ALL PLANTING AREAS IN SPOT APPLICATIONS PER MANUFACTURER'S RECOMMENDATIONS. PRIOR TO FINAL INSPECTION, TREAT ALL PLANTING BEDS WITH AN APPROVED PRE-EMERGENT HERBICIDE AT AN APPLICATION RATE RECOMMENDED BY THE MANUFACTURER. (AS ALLOWED BY JURISDICTIONAL AUTHORITY)

N. LAWN SODDING

1. THE WORK CONSISTS OF LAWN BED PREPARATION, SOIL PREPARATION, AND SODDING COMPLETE, IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND THE APPLICABLE DRAWINGS TO PRODUCE A TURF GRASS LAWN ACCEPTABLE TO THE OWNER.
2. ALL AREAS THAT ARE TO BE SODDED SHALL BE CLEARED OF ANY ROUGH GRASS, WEEDS, AND DEBRIS BY MEANS OF A SOD CUTTER TO A DEPTH OF THREE (3) INCHES, AND THE GROUND BROUGHT TO AN EVEN GRADE. THE ENTIRE SURFACE SHALL BE ROLLED WITH A ROLLER WEIGHING NOT MORE THAN ONE-HUNDRED (100) POUNDS PER FOOT OF WIDTH. DURING THE ROLLING, ALL DEPRESSIONS CAUSED BY SETTLEMENT SHALL BE FILLED WITH ADDITIONAL SOIL, AND THE SURFACE SHALL BE REGRADED AND ROLLED UNTIL PRESENTING A SMOOTH AND EVEN FINISH TO THE REQUIRED GRADE.
3. PREPARE LOOSE BED FOUR (4) INCHES DEEP. HAND RAKE UNTIL ALL BUMPS AND DEPRESSIONS ARE REMOVED. WET PREPARED AREA THOROUGHLY.
4. SODDING

   a. THE CONTRACTOR SHALL SOD ALL AREAS THAT ARE NOT PAVED OR PLANTED AS DESIGNATED ON THE DRAWINGS WITHIN THE CONTRACT LIMITS, UNLESS SPECIFICALLY NOTED OTHERWISE.

   b. SOD PANELS SHALL BE LAID TIGHTLY TOGETHER SO AS TO MAKE A SOLID SODDED LAWN AREA. SOD SHALL BE LAID UNIFORMLY AGAINST THE EDGES OF ALL CURBS AND OTHER HARDSCAPE ELEMENTS, PAVED AND PLANTED AREAS. ADJACENT TO BUILDINGS, A 24 INCH STONE MULCH STRIP SHALL BE PROVIDED. IMMEDIATELY FOLLOWING SOD LAYING, THE LAWN AREAS SHALL BE ROLLED WITH A LAWN ROLLER CUSTOMARILY USED FOR SUCH PURPOSES, AND THEN THOROUGHLY IRRIGATED. IF, IN THE OPINION OF THE OWNER, TOP-DRESSING IS NECESSARY AFTER ROLLING TO FILL THE VOIDS BETWEEN THE SOD PANELS AND TO EVEN OUT INCONSISTENCIES IN THE SOD, CLEAN SAND, AS APPROVED BY THE OWNER'S REPRESENTATIVE, SHALL BE UNIFORMLY SPREAD OVER THE ENTIRE SURFACE OF THE SOD AND THOROUGHLY WATERED IN. FERTILIZE INSTALLED SOD AS ALLOWED BY PROPERTY'S JURISDICTIONAL AUTHORITY.

5. DURING DELIVERY, PRIOR TO, AND DURING THE PLANTING OF THE LAWN AREAS, THE SOD PANELS SHALL AT ALL TIMES BE PROTECTED FROM EXCESSIVE DRYING AND UNNECESSARY EXPOSURE OF THE ROOTS TO THE SUN. ALL SOD SHALL BE STACKED SO AS NOT TO BE DAMAGED BY SWEATING OR EXCESSIVE HEAT AND MOISTURE.
6. LAWN MAINTENANCE

   a. WITHIN THE CONTRACT LIMITS, THE CONTRACTOR SHALL PRODUCE A DENSE, WELL ESTABLISHED LAWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RE-SODDING OF ALL ERODED, SUNKEN OR BARE SPOTS (LARGER THAN 12"X12") UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. RE-SODDING SODDING SHALL BE ACCOMPLISHED AS IN THE ORIGINAL WORK, INCLUDING REGRADING IF NECESSARY.

   b. CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SOD/LAWN UNTIL ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. PRIOR TO AND UPON ACCEPTANCE, CONTRACTOR TO PROVIDE WATERING/IRRIGATION SCHEDULE TO OWNER. OBSERVE ALL APPLICABLE WATERING RESTRICTIONS AS SET FORTH BY THE PROPERTY'S JURISDICTIONAL AUTHORITY.

O. EDGING

   a. CONTRACTOR SHALL INSTALL 4"X¼" ROLLED TOP STEEL EDGING BETWEEN ALL SOD/SEED AREAS AND PLANTING BEDS.

P. CLEANUP

1. UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM CONTRACTORS WORK. ALL PAVED AREAS SHALL BE CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S REPRESENTATIVE.

Q. PLANT MATERIAL MAINTENANCE

1. ALL PLANTS AND PLANTING INCLUDED UNDER THIS CONTRACT SHALL BE MAINTAINED BY WATERING, CULTIVATING, SPRAYING, PRUNING, AND ALL OTHER OPERATIONS (SUCH AS RE-STAKING OR REPAIRING GUY SUPPORTS) NECESSARY TO INSURE A HEALTHY PLANT CONDITION BY THE CONTRACTOR UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE.

R. FINAL INSPECTION AND ACCEPTANCE OF WORK

1. FINAL INSPECTION AT THE END OF THE WARRANTY PERIOD SHALL BE ON PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT. ANY REPLACEMENT AT THIS TIME SHALL BE SUBJECT TO THE SAME ONE (1) YEAR WARRANTY (OR AS SPECIFIED BY THE LANDSCAPE ARCHITECT OR OWNER IN WRITING) BEGINNING WITH THE TIME OF REPLACEMENT AND ENDING WITH THE SAME INSPECTION AND ACCEPTANCE HEREIN DESCRIBED.

S. WARRANTY

1. THE LIFE AND SATISFACTORY CONDITION OF ALL PLANT MATERIAL INSTALLED (INCLUDING SOD) BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE.
2. ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER CONDITIONS PERMIT. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED PLANTED AND MULCHED AS SPECIFIED AT NO ADDITIONAL COST TO THE OWNER.
3. IN THE EVENT THE OWNER DOES NOT CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE AND IRRIGATION MAINTENANCE, THE CONTRACTOR SHOULD VISIT THE PROJECT SITE PERIODICALLY DURING THE ONE (1) YEAR WARRANTY PERIOD TO EVALUATE MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER. CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THREATEN VIGOROUS AND HEALTHY PLANT GROWTH.

STREETSCAPE AND SITE PERIMETER LANDSCAPING

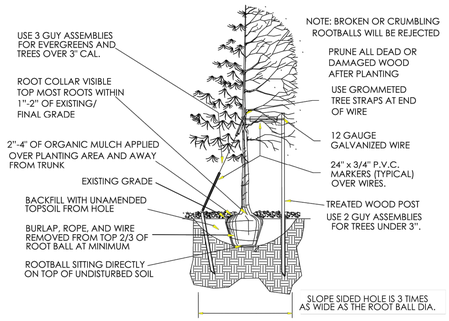
STREET NAME OR BOUNDARY:	EXISTING NONRESIDENTIAL USE (NORTH)	SOUTH CHAMBERS ROAD	SLICEROO DRIVE	EXISTING NONRESIDENTIAL USE (SOUTH)
ZONE DISTRICT BOUNDARY:	N/A	N/A	N/A	N/A
STREET CLASSIFICATION:	N/A	N/A	N/A	N/A
SETBACK/BUFFER DEPTH REQUIRED / PROVIDED:	N/A	BY MASTER DEVELOPER	BY MASTER DEVELOPER	N/A
LINEAR FOOTAGE:	305'	170'	180'	294'
TREE PER FEET REQ.:	1 TREE PER 40 LF	1 TREE PER 40 LF	1 TREE PER 40 LF	1 TREE PER 40 LF
NUMBER OF TREES REQ. / PROV.	8 / 8	BY MASTER DEVELOPER. SEE DOUGLAS 234, FILING NO. 6	BY MASTER DEVELOPER. SEE DOUGLAS 234, FILING NO. 6	8 / 8
EVERGREEN TREES REQ. / PROV.

DOUGLAS 234 FILING NO. 6, LOT 3

A PORTION OF THE SOUTHEAST 1/4 OF THE SECTION 29,
TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH P.M.
TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO

SITE PLAN

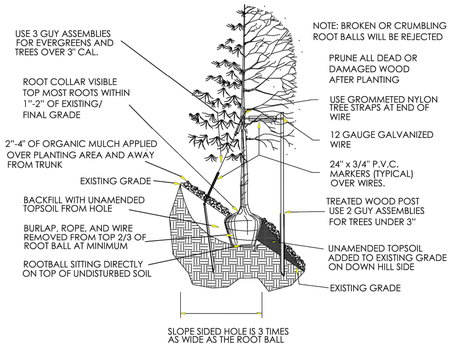
TOWN OF PARKER PLANTING STANDARDS



- Excavate planting holes with sloping sides. Make excavations at least three times as wide as the root ball diameter and no deeper than the distance from the top most roots in the root ball to the bottom of the root ball to allow for settling. Do not disturb soil at bottom of planting holes, but do score the sides of the planting hole. The planting area shall be loosened and aerated at least three times the diameter of the root ball. Backfill shall consist of existing on site topsoil – no amendments shall be used unless otherwise specified.
- Trees shall be planted with the root collar/flare visible above grade AND two or more structural roots located within the top 1" to 2" of the root ball/finished grade measured 3" to 4" from trunk. This includes trees that are set on slopes (see slope planting detail). Trees that do not have a visible root collar shall be rejected. Do not cover the root ball with soil.
- When root ball will remain intact, cut off bottom $^1/_4$ of wire basket before placing tree in hole, cut off remainder of basket AFTER tree is set in hole, remove basket completely. At a minimum, the top 2/3 of the burlap and basket shall be removed from the root ball on all trees. Remove all nylon ties, twine, rope and burlap. Remove unnecessary packing material.
- Form soil into a 3" to 5" tall watering ring (saucer) around planting area. This is not necessary in irrigated turf areas. Apply 2" to 4" depth of specified mulch over planting area and inside saucers, away from trunk.
- Staking and guying of trees is optional in most planting situations. In areas of extreme winds, or on steep slopes, staking may be required to stabilize trees. Staking and guying must be removed within 1 year of planting date.
- Tree wrap is *not* to be used on any new plantings, except in late fall planting situations, and only then after consultation with the Town Arborist.
- Resetting of improperly planted trees will only be allowed if it is determined that doing so will in no way compromise the root ball, and shall only be done with approval of the Town Arborist.

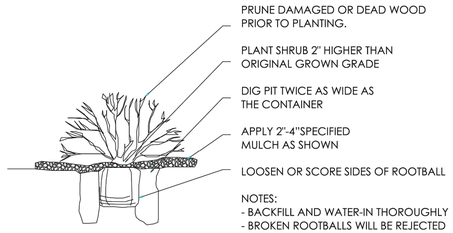
TOWN OF PARKER PLANTING STANDARDS

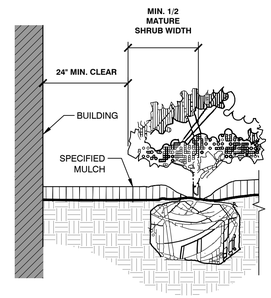
TOWN OF PARKER TREE PLANTING DETAIL - SLOPES



TOWN OF PARKER PLANTING STANDARDS

TOWN OF PARKER PLANTING DETAIL – SHRUBS

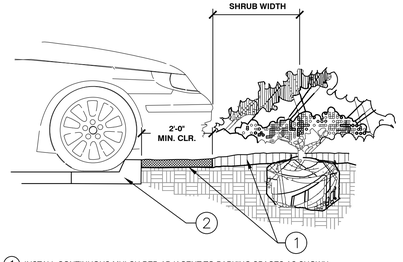




NOTES:

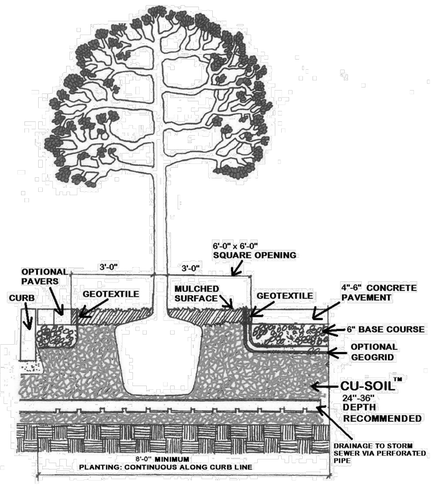
1. CLEAR ZONE: 36" MIN. FROM BUILDING TO CENTER OF NEAREST SHRUB.
2. INSTALL SPECIFIED MULCH: 24" MIN. FROM BUILDING. SPECIFIED MULCH TO BE INSTALLED AT A DEPTH OF 3" (MIN.)

1 / 9 PLANTINGS ADJACENT TO BUILDINGS
SECTION NTS



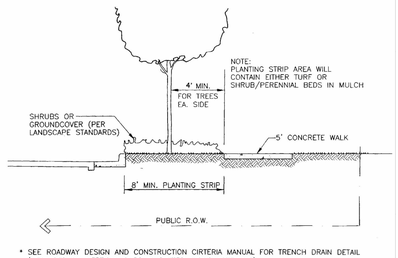
1. INSTALL CONTINUOUS MULCH BED ADJACENT TO PARKING SPACES AS SHOWN. MULCH SHALL BE MIN. 3" DEEP. NO POP-UP IRRIGATION HEADS SHALL BE LOCATED WITHIN 24" OF A PARKING SPACE ON ANY SIDE.
2. CURB / PARKING LOT EDGE.

2 / 9 PARKING SPACE/CURB PLANTING
SECTION NTS



There will be a need to ensure moisture recharge and free gas exchange throughout the root zone which is not the entire subbase. The challenge is met by the installation of a three dimensional geo-composite (a geo-grid wrapped in textile one inch thick by eight inches wide) which could be laid above the subbase as spokes radiating from the trunk flair opening. This form of passive irrigation is currently in the testing stage. Other previous surface treatments could also provide additional moisture recharge, as could traditional irrigation.

TYPICAL STREET SECTION WITH DETACHED WALK



* SEE ROADWAY DESIGN AND CONSTRUCTION CIRTERIA MANUAL FOR TRENCH DRAIN DETAIL (REQUIRED ON VERTICAL CURB & GUTTER ALONG ARTERIALS)

CU STRUCTURAL SOIL

CU Structural Soil is a designed medium which can meet or exceed pavement design and installation requirements while remaining root penetrable and supportive for tree growth. It consists of gap-graded gravels which are made up of crushed stone, clay loam, and a hydrogel stabilizing agent. The materials can be compacted to meet all relevant pavement design requirements yet allow for sustainable root growth. This system essentially forms a rigid, load-bearing stone lattice and partially fills the lattice voids with soil. Structural soil provides a continuous base course under pavements while providing material for tree root growth, shifting design away from individual tree pits, to a designed, root penetrable, high strength, pavement system. An added advantage of using this material is its ability to allow roots to grow away from the wearing surface, thus reducing the potential for sidewalk heaving as well as providing for healthier, long-lived trees.

This system consists of a four to six inch rigid pavement surface, with a pavement opening large enough to accommodate a 40 year or older tree. The opening could be concentric rings of pavers designed for removal as the buttress roots lift them. Below that a six inch base course could be installed and compacted with the material meeting normal regional pavement specifications for the traffic they are expected to experience. The base acts as a root exclusion zone from the pavements surface. A geotextile (weed barrier) segregates the base course from the subbase and extends as an apron emerging around the edges of the concrete. A gap-graded, structural soil material demonstrated to allow root penetration when compacted would be the subbase and area for subsequent tree root growth. This material would be compacted to not less than 95% Proctor density (AASHTO T-99) and possess a California Bearing Ratio greater than 40. The subbase thickness would depend on the depth of sub grade or to a proposed target of 36 inches. This is negotiable, but a 24 inch minimum would be encouraged for the root zone. The sub grade should be excavated to parallel the final grade. Under-drainage must be provided under the structural soil material conforming to approved engineering standard for that region.

The three components of the Structural Soil are mixed in the following proportions by weight:

Crushed Stone (granite or limestone, graded ¾ to 1 ½", highly angular, with no fines) – 100
Clay Loam – 20
Hydrogel – 0.03

In a typical street tree installation of such a structural soil, the potential rooting zone could extend from the building face to curb, running the entire length of the street. This would ensure an adequate volume of soil to meet the long term needs of the tree. Where this entire excavation is not feasible, a trench, running parallel to the curb, eight feet wide and three feet deep would be minimally adequate. Since this profile has adapted the standard surface and base specifications generally in use, less hesitation for engineering approval may result.

BY	DESCRIPTION	DATE	REV
JJM	REVISION 1	9/27/21	1

Kimley»Horn

PREPARED BY:

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION
Kimley»Horn
Kimley-Horn and Associates, Inc.

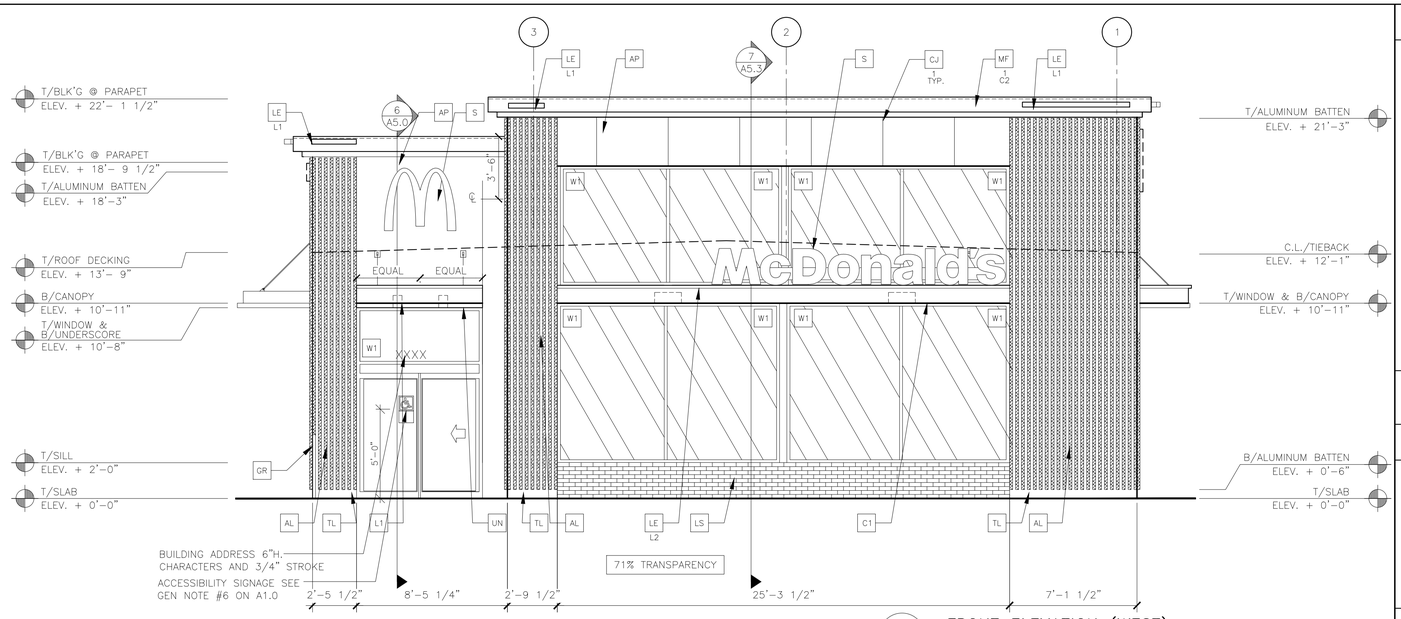
PREPARED FOR:
McDonald's USA, LLC

© The drawings and specifications are the confidential and proprietary property of McDonald's USA, LLC and shall not be copied or reproduced without written authorization. The contract documents were prepared for use on this specific site in conjunction with its issue date and are not to be used on any other project. Any use or reuse of these drawings for reference or example on another project requires the services of properly licensed architects and engineers. Reproduction of the contract documents for reuse on another project is not authorized

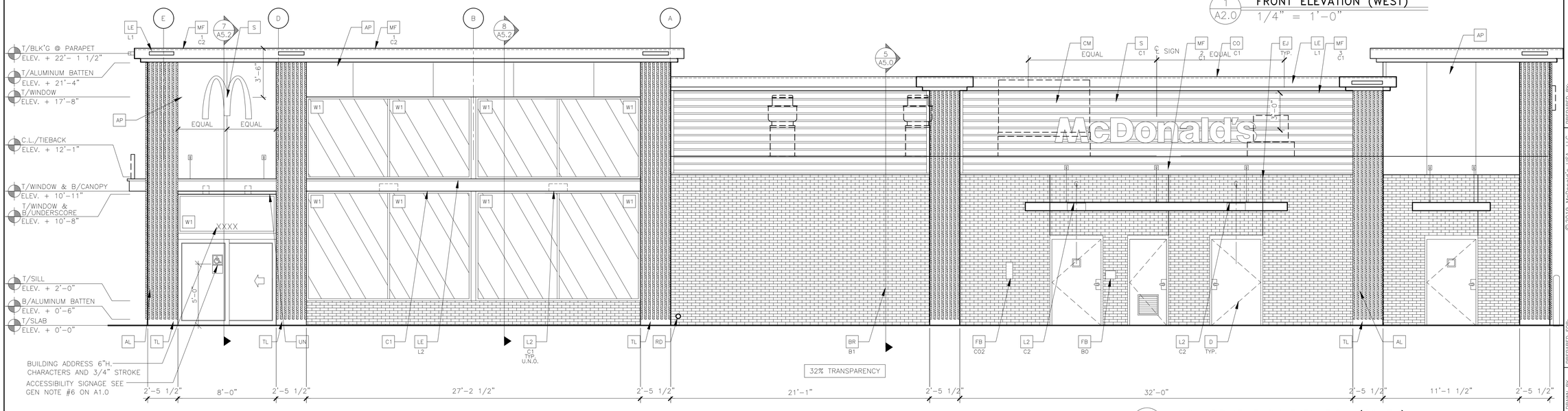
DRAWN BY	REVIEWED BY	DATE ISSUED
JJM	JRH	9/3/2021
STD ISSUE DATE 7/1/21		

TITLE: SITE PLAN
DESCRIPTION: LANDSCAPE DETAILS
SITE ID: 00150785
SITE ADDRESS: LOT 3, DOUGLAS 234 FILING NO. 6

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



1 A2.0 FRONT ELEVATION (WEST)
1/4" = 1'-0"



2 A2.0 NON-DRIVE-THRU ELEVATION (SOUTH)
1/4" = 1'-0"

KEY NOTES:

- AL — ALUMINUM BATTEN SYSTEM
  SIZE: 2"X2" PROFILE
  COLOR: WOOD GRAIN, BACKRAIL UNFINISHED, ENDCAP PAINTED TO MATCH SUBSTRATE: 1/2" EXTERIOR HIGH DENSITY OVERLAY (HDO) PLYWOOD, BB, GROUP 1, HDO BOTH FACES, APA TRADEMARKED. COURSE GRIT SAND SURFACES PRIOR TO PRIMING. PRIME AND PAINT BOTH SIDES AND ALL EDGES.
  SUBSTRATE COLOR: "IRON ORE" 7069 BY SHERWIN WILLIAMS
- AP — ALPOLIC METAL PANEL (COLOR: RAL 7022)
- BR
  - B1 — COLOR:
    B1 = "SILVERADO" SMOOTH, MODULAR BY HEBON BRICK COMPANY
- C1 — ALUMINUM CANOPY SYSTEM W/FASCIA
  COLOR: WHITE
- C2 — ALUMINUM CANOPY SYSTEM
  COLOR: RAL 7022
- C3 — ALUMINUM CANOPY TIEBACK
  COLOR: RAL 7022
  GC TO PROVIDE CONTINUOUS BLOCKING ON WALL BEHIND TIEBACKS
- CJ — CONTROL JOINT
  1 — TYPE: 1 = ALPOLIC
- CM — 7" REVEAL METAL WALL PANEL SYSTEM BY METAL ERA
  C1 — COLOR:
  C1 = WEATHERED ZINC
- CO — CORNICE
  C1 — COLOR: WEATHER ZINC
- D — HOLLOW METAL DOOR
  PAINT: "FAIRVIEW TAUPE" HC-85 BY BENJAMIN MOORE
- DE — DECAL BY GRAPHICS SUPPLIER
  SURFACE APPLIED, FIELD INSTALLED, PRE CUT, PRE SPACED.
  SUPPLIERS:
  VOMELA (865) 330-7337, ann.bowen@vomela.com
  GFX INTERNATIONAL (847) 543-4600, mcdonaldsdecor@gfxi.com
- EJ — EXPANSION JOINT, SEE DETAIL 7/A4.1
- FB
  C02 — C02 = BULK C02 FILL BOX (EQPM SCHEDULE ITEM 49.00)
  BO = BULK OIL FILL BOX (EQPM SCHEDULE ITEM 700.18)
- GR — GUARD RAIL -SEE CIVIL SITE PLAN FOR EXACT LOCATION AND LENGTH
  PAINT: "IRON ORE" 7069 BY SHERWIN WILLIAMS
- L1 — RECESSED DOWN LIGHT FIXTURE - SEE ELECTRICAL
  COLOR: GOLD
- L2 — RADIAL SCONCE LIGHT FIXTURE - SEE ELECTRICAL
  C1 — COLOR:
  C1= WHITE
  C2= PLATINUM SILVER
- LE — ACCENT LIGHTING - SEE ELECTRICAL
  L1 — LED LIGHT:
  L1 = SLIM LED (DOWN ONLY)
  L2 = INTEGRAL CANOPY FIXTURE
  L3 = UP ONLY FLOOD FIXTURE
- LS — CULTURED STONE BY BORAL
  HEWN STONE, COLOR: FOUNDATION
  (TO BE VERIFIED WITH McDONALDS ACM)
  CONTACT: KEVEN REIDY, (717) 377-2746
- MF — METAL FASCIA
  1 — TYPE:
  C1 — 1 = PRE-FAB ANCHOR-TITE FASCIA
  2 = BOTTOM TRIM AT METAL REVEAL PANEL
  3 = VERTICAL TRIM AT METAL REVEAL PANEL CORNERS, CLOSURES
  COLOR:
  C1= WEATHERED ZINC
  C2= RAL 7022
- PB — PIPE BOLLARD - PAINTED YELLOW
- PT — (RMHC) COIN COLLECTOR
  MODEL: #WPT STD CALL 1-888-743-7435 TO ORDER
- RO — ROOF DRAIN OVERFLOW PIPE PAINT TO MATCH SURROUNDING MATERIAL
- S — McDONALD'S SIGNAGE BY OTHERS - UNDER SEPARATE PERMIT.
  C1 — COLOR:
  C1 = WEATHERED ZINC RACEWAY
  C2 = RAL 7022 RACEWAY
- SP — SPANDREL GLASS
- TL — TILE (@ BASE OF BATTEN SYSTEM)
  EUROWEST: E-WOOD COLLECTION; COLOR: R9 BLACK; SIZE:6"X24"
  WATERPROOFING SETTING MATERIAL AND GROUT: BY MAPEI
  GROUT COLOR: ULTRA COLOR PLUS - 47 CHARCOAL
  GROUT WIDTH: 1/8" TO 3/16"
  CONTACT: JAN DETER, (714) 937-7500
- UN — METAL UNDERSCORE
  COLOR: GOLD
- W1 — EXTERIOR WINDOW ASSEMBLY - TEMPERED GLASS
  COLOR: DARK BRONZE
- W2 — DRIVE-THRU WINDOW BY READY ACCESS
  MODEL: 600 SERIES, 36" SERVICE HEIGHT WITH TRANSOM, MANUAL OPEN; ELECTRONIC RELEASE
  XX — COLOR: DEEP BRONZE
  SLIDE DIRECTION: RL = RIGHT TO LEFT
  LR = LEFT TO RIGHT
- W3 — EXTERIOR WINDOW ASSEMBLY - TEMPERED GLASS
  COLOR: DARK BRONZE
  BACK LIT GLAZING

BY	DESCRIPTION	DATE	REV

PREPARED BY:
CORE STATES GROUP
CORESTATES, INC.
12721 Ellicott Road
Suite 192
Jacksonville, FL 32225
214.377.7000
www.corestategroup.com

PREPARED FOR:
McDonald's USA, LLC

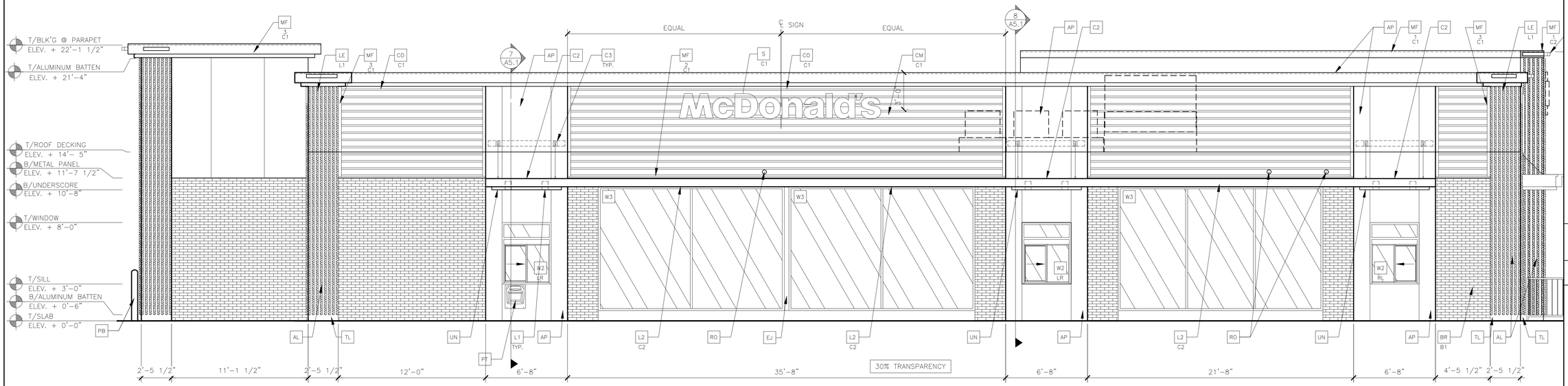
© 2019 McDonald's USA, LLC
These drawings and specifications are the confidential and proprietary property of McDonald's USA, LLC and shall not be copied or reproduced without written authorization. The contract documents were prepared for use on this specific site in conjunction with its issue date, and are not suitable for use on another project. Reproductions of these drawings for reference or example on another project requires the services of properly licensed architects and engineers. Reproductions of the contract documents for use on another project is not authorized.

DRAWN BY	STD ISSUE DATE	REVIEWED BY	DATE ISSUED	C.S.G. PROJECT #
B.ABDALLA	2021_05	MARC PELINI	05/12/21	MCD.26562

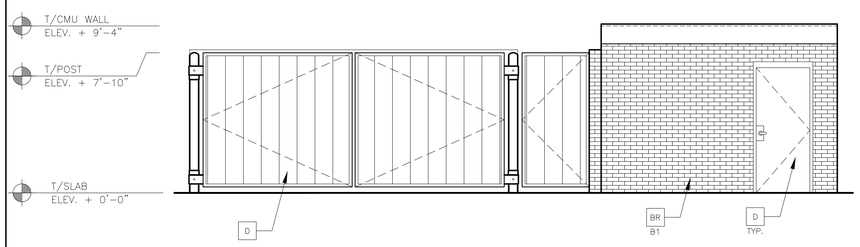
TITLE: 2017 STANDARD BUILDING - BB20
4597 - WOOD/WOOD

DESCRIPTION	SITE ADDRESS	SITE ID
WOOD BEARING WALLS W/4" BRICK EXTERIOR FINISH & CI WOOD TRUSS ROOF FRAMING E.I.F.S./BATTEN/METAL PANEL/BRICK EXTERIOR FINISH	CHAMBERS & HESS PARKER, CO	005-0785

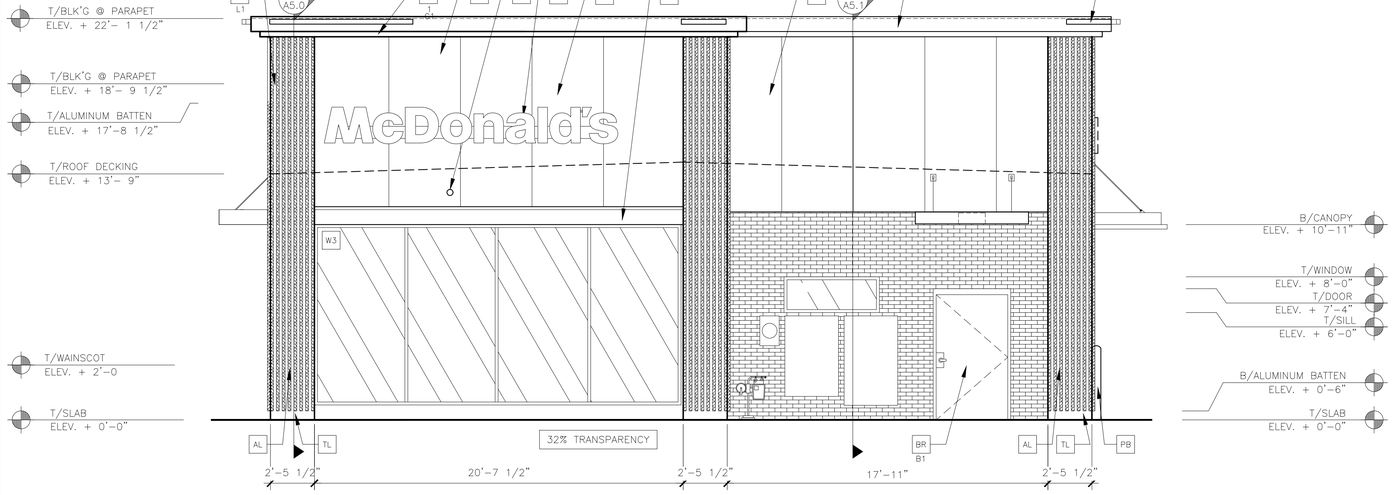
SHEET NO.
005-0785.00.0
A2.0
ELEVATIONS



1 A2.1 DRIVE THRU ELEVATION (SOUTH)
1/4" = 1'-0"



3 A2.1 TRASH ENCLOSURE
1/4" = 1'-0"



2 A2.1 REAR ELEVATION (EAST)
1/4" = 1'-0"

KEY NOTES:

- AL — ALUMINUM BATTEN SYSTEM
  SIZE: 2"X2" PROFILE
  COLOR: WOOD GRAIN, BACKRAIL UNFINISHED, ENDCAP PAINTED TO MATCH
  SUBSTRATE: 1/2" EXTERIOR HIGH DENSITY OVERLAY (HDO) PLYWOOD, BB, GROUP 1, HDO BOTH FACES, APA TRADEMARKED.
  COURSE GRIT SAND SURFACES PRIOR TO PRIMING. PRIME AND PAINT BOTH SIDES AND ALL EDGES.
  SUBSTRATE COLOR: "IRON ORE" 7069 BY SHERWIN WILLIAMS
- AP — ALPOLIC METAL PANEL (COLOR: RAL 7022)
- BR — B1 — COLOR: B1 = "SILVERADO" SMOOTH, MODULAR BY HEBON BRICK COMPANY
- C1 — ALUMINUM CANOPY SYSTEM W/FASCIA
  COLOR: WHITE
- C2 — ALUMINUM CANOPY SYSTEM
  COLOR: RAL 7022
- C3 — ALUMINUM CANOPY TIEBACK
  COLOR: RAL 7022
  GC TO PROVIDE CONTINUOUS BLOCKING ON WALL BEHIND TIEBACKS
- CJ — CONTROL JOINT
  1 — TYPE: 1 = ALPOLIC
- CM — 7" REVEAL METAL WALL PANEL SYSTEM BY METAL ERA
  C1 — COLOR: C1 = WEATHERED ZINC
- CO — CORNICE
  C1 — COLOR: WEATHER ZINC
- D — HOLLOW METAL DOOR
  PAINT: "FAIRVIEW TAUPE" HC-85 BY BENJAMIN MOORE
- DE — DECAL BY GRAPHICS SUPPLIER
  SURFACE APPLIED, FIELD INSTALLED, PRE CUT, PRE SPACED.
  SUPPLIERS:
  VOMELA (865) 330-7337, ann.bowen@vomela.com
  GFX INTERNATIONAL (847) 543-4600, mcdonaldsdecor@gfxi.com
- EJ — EXPANSION JOINT, SEE DETAIL 7/A4.1
- FB — C02 — CO2 = BULK CO2 FILL BOX (EQPM SCHEDULE ITEM 49.00)
  BO = BULK OIL FILL BOX (EQPM SCHEDULE ITEM 700.18)
- GR — GUARD RAIL –SEE CIVIL SITE PLAN FOR EXACT LOCATION AND LENGTH
  PAINT: "IRON ORE" 7069 BY SHERWIN WILLIAMS
- L1 — RECESSED DOWN LIGHT FIXTURE – SEE ELECTRICAL
  COLOR: GOLD
- L2 — RADIAL SCONCE LIGHT FIXTURE – SEE ELECTRICAL
  C1 — COLOR: C1= WHITE, C2= PLATINUM SILVER
- LE — ACCENT LIGHTING – SEE ELECTRICAL
  L1 — LED LIGHT:
  L1 = SLIM LED (DOWN ONLY)
  L2 = INTEGRAL CANOPY FIXTURE
  L3 = UP ONLY FLOOD FIXTURE
- LS — CULTURED STONE BY BORAL
  HEWN STONE, COLOR: FOUNDATION
  (TO BE VERIFIED WITH McDONALDS ACM)
  CONTACT: KEVEN REIDY, (717) 377-2746
- MF — METAL FASCIA
  C1 — TYPE:
  1 = PRE-FAB ANCHOR-TITE FASCIA
  2 = BOTTOM TRIM AT METAL REVEAL PANEL
  3 = VERTICAL TRIM AT METAL REVEAL PANEL CORNERS, CLOSURES
  COLOR:
  C1= WEATHERED ZINC
  C2= RAL 7022
- PB — PIPE BOLLARD – PAINTED YELLOW
- PT — (RMHC) COIN COLLECTOR
  MODEL: #WPT STD CALL 1-888-743-7435 TO ORDER
- RO — ROOF DRAIN OVERFLOW PIPE PAINT TO MATCH SURROUNDING MATERIAL
- S — McDONALD'S SIGNAGE BY OTHERS – UNDER SEPARATE PERMIT.
  C1 — COLOR:
  C1 = WEATHERED ZINC RACEWAY
  C2 = RAL 7022 RACEWAY
- SP — SPANDREL GLASS
- TL — TILE (@ BASE OF BATTEN SYSTEM)
  EUROWEST, E-WOOD COLLECTION; COLOR: R9 BLACK; SIZE:6"X24"
  WATERPROOFING SETTING MATERIAL AND GROUT: BY MAPEI
  GROUT COLOR: ULTRA COLOR PLUS – 47 CHARCOAL
  GROUT WIDTH: 1/8" TO 3/16"
  CONTACT: JAN DETER, (714) 937-7500
- UN — METAL UNDERSCORE
  COLOR: GOLD
- W1 — EXTERIOR WINDOW ASSEMBLY – TEMPERED GLASS
  COLOR: DARK BRONZE
- W2 — DRIVE-THRU WINDOW BY READY ACCESS
  MODEL: 600 SERIES, 36" SERVICE HEIGHT WITH TRANSOM, MANUAL OPEN; ELECTRONIC RELEASE
  XX — SLIDE DIRECTION: RL = RIGHT TO LEFT, LR = LEFT TO RIGHT
  COLOR: DEEP BRONZE
- W3 — EXTERIOR WINDOW ASSEMBLY – TEMPERED GLASS
  COLOR: DARK BRONZE
  BACK LIT GLAZING

BY	DESCRIPTION	DATE	REV

PREPARED BY:
CORE STATES GROUP
CORESTATES, INC.
12701 Fair Lakes Circle
Suite 192
Fairfax, VA 22033
(443) 367-3020
www.corestategrp.com

PREPARED FOR:
McDonald's USA, LLC

©2019 McDonald's USA, LLC
These drawings and specifications are the confidential and proprietary property of McDonald's USA, LLC and shall not be copied or reproduced without written authorization. The contract documents were prepared for use on this specific site, under the time frame and conditions imposed by the scope of services. Reproduction of these drawings for reference or example on another project requires the services of properly licensed architects and engineers. Reproduction of the contract documents for reuse on another project is not authorized.

DRAWN BY	REVIEWED BY	DATE ISSUED	C.S.G. PROJECT #
B.ABDALLA	MARC PELINI	05/12/21	MCD.26562
STD ISSUE DATE 2021_05			

TITLE: 2017 STANDARD BUILDING – BB20
4597 – WOOD/WOOD
DESCRIPTION: WOOD BEARING WALLS W/4" BRICK EXTERIOR FINISH & CI
WOOD TRUSS ROOF FRAMING
E.I.F.S./BATTEN/METAL PANEL/BRICK EXTERIOR FINISH

SITE ID 005-0785 | SITE ADDRESS CHAMBERS & HESS | PARKER, CO

SHEET NO. 005-0785.00.0
A2.1
ELEVATIONS