ATTACHMENT 6: PROJECT PLANS

SURVEY DATA:

BENCHMARK:

ELEVATIONS SHOWN HERE ON ARE GRID NAVD 88 AND ARE DERIVED FROM AN OPUS SOLUTION AS COMPUTED USING GEOID 12B.

CAUTION! CONFIRM BENCHMARK DATA AND CONDITION WITH PROJECT SURVEYOR (dk CONSULTING) PRIOR TO USE.

TOPOGRAPHY:

EXISTING TOPOGRAPHY AND AERIAL PHOTOGRAPHY COMPILED BY dk CONSULTING (dk JOB# 18-1064-10) DATED 12/7/2018.

BASIS OF BEARING:

BEARING SHOWN HEREON ARE CALIFORNIA COORDINATE SYSTEM NAD83, STATE

PLANE ZONE 5, US SURVEY FEET AND ARE DERIVED FROM A OPUS SOLUTION.

SITE INFORMATION:

PARCEL NUMBER: 001-030-023
ADDRESS: 6030 CASITAS PASS RD
CARPINTERIA. CA 93013

ZONING: CARPINTERIA, CA 93013
AGRICULTURE (AG-I-10)
SITE ACREAGE: 16.77 ACRES

PROJECT STATISTICS:

CANNABIS USE:

<u> </u>	
GREENHOUSE PLANT SHELTERS:	312,500 SF (7.17 AC)
	55,100 SF (1.26 AC)
OUD TOTAL	37,200 SF (0.85 AC)
SUB TOTAL:	404,800 SF (9.29 AC)
AGRICULTURAL PROCESSING / STORAGE BUILDINGS:	10,000 SF (0.23 AC)
BOILER HOUSE:	1,600 SF (0.03 AC)
PUMP HOUSE:	960 SF (0.02 AC)
TOTAL:	417,360 SF (9.58 AC)

NON-CANNABIS USE:

TOTAL:	6,289 SF (0.15 AC
EXISTING RESIDENCE:	3,000 SF (0.07 AC
MISCELLANEOUS STRUCTURE (TO BE REMOVED):	50 SF (0.00 AC
MISCELLANEOUS STRUCTURE (TO BE REMOVED):	260 SF (0.01 AC
MOBILE HOME (TO BE REMOVED):	840 SF (0.02 AC
COOLER STRUCTURE (TO BE REMOVED):	2,139 SF (0.05 AC

NOTE:
ALL PROPOSED IMPROVEMENTS ARE SHOWN IN RED. EXISTING STRUCTURES AND TOPOGROPHY ARE SHOWN BY AERIAL PHOTOGRAPHY COMPILED BY dk CONSULTING ON 12/7/2018.

LEGEND

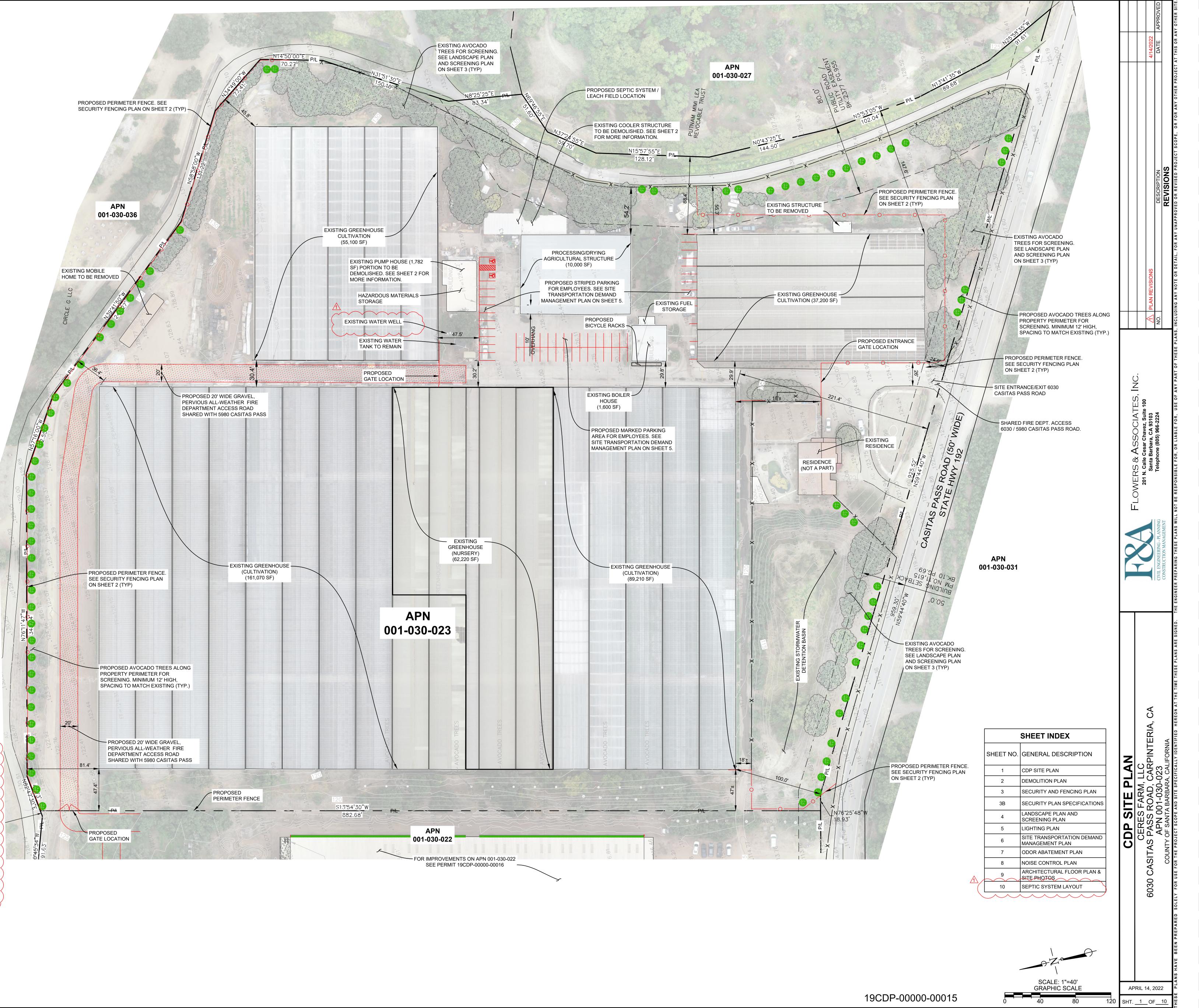
	PROPERTY LINE
	EASEMENT/SETBACK LINE
X	EXISTING FENCE
	PROPOSED FENCE
	PROPOSED CONCRETE PAVING

PROPOSED GRAVEL ACCESS ROAD

PROJECT DESCRIPTION:

WELL, AND THE CARPINTERIA VALLEY WATER DISTRICT.

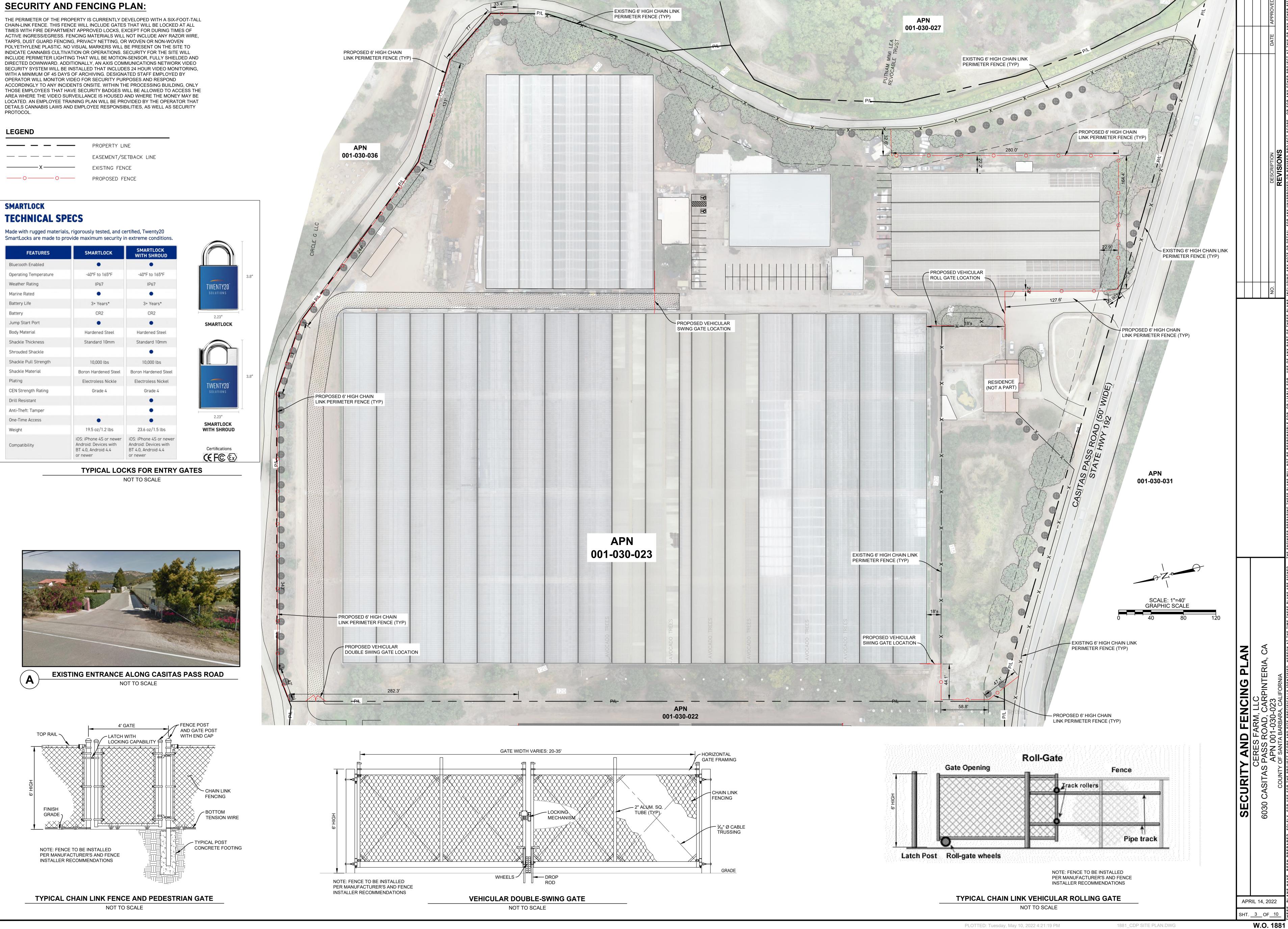
THE PROPOSED PROJECT IS A REQUEST FOR A COASTAL DEVELOPMENT PERMIT TO CULTIVATE CANNABIS AND NURSERY CLONES AND TO CONDUCT PROCESSING ON A 16.77 ACRE SITE LOCATED AT 6030 CASITAS PASS ROAD, CARPINTERIA, CA 93103. THE PROPOSED OPERATIONS WILL UTILIZE 7.86 ACRES FOR MATURE-PLANT CANNABIS CULTIVATION AND 1.43 ACRES FOR NURSERY CULTIVATION, FOR A TOTAL OF 9.29 CULTIVATION ACRES . PROCESSING OF THE CANNABIS WILL ALSO BE TAKING PLACE ON SITE WITHIN AN EXISTING, PERMITTED 10,000 SQUARE-FOOT BUILDING, FOR A TOTAL OF 0.23 ACRES. WITHIN THE PROCESSING BUILDING, APPROXIMATELY 3,900 SF WILL BE UTILIZED FOR DRYING AND 5,000 SF WILL BE UTILIZED FOR TRIMMING, SORTING AND PACKAGING. THIS STRUCTURE ALSO INCLUDES EMPLOYEE BATHROOMS, A COMMON AREA AND A BREAKROOM. THE PROJECT CONSISTS OF DEMOLISHING 822 SF OF AN UNPERMITTED ADDITION TO THE PUMP HOUSE, AND DEMOLISHING A 2,139 SF UNPERMITTED COOLER STRUCTURE. ALL CULTIVATION WILL UTILIZE DRIP IRRIGATION OR MICRO SPRINKLERS. WASTEWATER COLLECTED FROM CANNABIS IRRIGATION WILL BE RECYCLED AND REUSED TO IRRIGATE SURROUNDING AVOCADO TREES, LANDSCAPE OR THE CANNABIS CROP TO CONSERVE WATER. THE PROPOSED CANNABIS OPERATIONS WILL UTILIZE A MAXIMUM OF 66 EMPLOYEES. THE HOURS OF OPERATION FOR THE SITE ARE FROM 6:00 A.M. - 5:30 P.M, 7 DAYS A WEEK. EMPLOYEES WILL BE INCENTIVIZED TO MINIMIZE VEHICLE TRIPS TO THE PROJECT SITE BY CARPOOLING, BIKING, USING RIDESHARING, AND BY PROVIDING A SHUTTLE. THE SITE IS ACCESSED FROM CASITAS PASS FROM HIGHWAY 101. ALL CANNABIS OPERATIONS WILL BE SECURELY FENCED. NO GRADING IS PROPOSED. WATER SERVICE WILL BE PROVIDED BY AN EXISTING PRIVATE



1881_CDP SITE PLAN.DWG

PLOTTED: Friday, May 27, 2022 3:24:53 PM

1 PLAN REVISIONS DESCRIPTION 4/14/2022 DATE NO. REVISIONS



AXIS

AXIS M3057-PLVE Network Camera

6 MP outdoor-ready dome with 360° panoramic view and IR illumination

AXIS M3057-PLVE Network Camera delivers outstanding video in any light conditions, using Axis-developed Forensic WDR and Lightfinder technologies. With its integrated, automatically adaptable OptimizedIR illumination, this versatile camera even sees in the dark. The camera offers 360° overview as well as dewarped views. AXIS M3057-PLVE is vandal resistant (IK10) and discreetly designed. The optional black skin, which is also easily repaintable, can be used to further blend the camera into its environment. The camera has good capacity for analytics. It comes factory-focused and is designed for easy installation.

- > 6 MP sensor
- > OptimizedIR illumination > Lightfinder technology
- > Forensic WDR

> Zipstream for reduced bandwidth and storage



AXIS P1445-LE Network Camera

Fully-featured, all-around 2 MP surveillance

With Axis Zipstream, I/O and audio support, AXIS P1445-LE got you covered.

> Forensic WDR, Lightfinder, and OptimizedIR

> HDTV 1080p at up to 60 fps

> Ease of installation

> I/O and audio support

> Axis Zipstream technology

AXIS P1445-LE Network Camera is a cost-effective, all-around camera providing excellent image quality at full frame

rate in 2 megapixel resolution and in 16:9 format. Fully-featured with Lightfinder, OptimizedIR and Forensic WDR,

forensic details are captured even in challenging light conditions including low light and strong backlight. Outdoor-

ready with a wide temperature range, this sturdy and impact resistant camera has shock detection and is ready for

extreme temperatures. AXIS P1445-LE offers easy installation with remote zoom and focus for fine tuning of the picture.





AXIS COMMUNICATIONS

	Vertical field of view: 185	Event triggers	edge storage events, open casing
Day and night	Automatically removable infrared-cut filter	Event actions	Record video: SD card and network share
Minimum illumination	Color: 0.16 lux at 50 IRE F2.0 B/W: 0.03 lux at 50 IRE F2.0 0 lux with IR illumination on	Trent actions	Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email Pre- and post-alarm video or image buffering for recording or
Shutter time	1/100 000 s to 2 s		upload
Camera angle adjustment	Rotation n ±180°		Notification: email, HTTP, HTTPS, TCP and SNMP trap PTZ: PTZ preset, start/stop guard tour Overlay text, external output activation
Video		Data streaming	Event data
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG	Built-in installation aids	Pixel counter, digital PTZ of view areas, digital PT of panorama, corner, corridor and quad views
Resolution	Overview: 2048x2048 to 160x160	General	
	Panorama: 2560x960 to 192x72 Double panorama: 2560x1920 to 256x144 Quad view: 2560x1920 to 256x144 View area 1-4, 16:9: 1920x1080 to 256x144, 4:3: 1920x1440 to 320x240 Panorama corner left/right: 2368x1184 to 192x72 Double panorama corner: 2048x2048 to 320x240 Corridor: 2560x1920 to 256x144	Casing	IP66- and NEMA 4X-rated, IK10 impact-resistant casing in polycarbonate and aluminium, with hard-coated dome and dehumidifying membrane Encapsulated electronics and captive screws Color: White NCS 5 1002-B For repainting, use the optional skin cover. Contact your Axis partner for instructions.
Frame rate	360° overview only, up to 2048x2048 without WDR: 50/60 fps @	Sustainability	PVC-free
	50/60 Hz 360° overview and dewarped views up to max resolution with	Memory	2 GB RAM, 512 MB Flash
Video eterrorias	WDR: up to 25/30 fps @ 50/60 Hz	Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 7.7 W, max 12.95 W
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/ABR/MBR H.264	Connectors	Shielded RJ45 10BASE-T/100BASE-TX PoE Terminal block for 1 supervised alarm input and 1 digital output (12 V DC output, max. load 25 mA) HDMI type D ^b Audio and I/O connectivity via AXIS T61 Audio and I/O Interfaces
Multi-view streaming	360° overview, dewarped panorama, double panorama, corridor and quad views. Up to 4 individually cropped out and dewarped view areas. All different views can be streamed simultaneously. When streaming 4 dewarped view areas and one 360° overview in max resolution: up to 14 fps per stream	IR illumination	with portcast technology OptimizedIR with with power-efficient, long-life 850 nm IR LEDs with adaptable illumination intensity Range of reach 20 m (66 ft) or more depending on scene
HDMI output	HDMI 1080p @ 50/60 fps (50/60 Hz)	Storage	Support for microSD/microSDHC card and encryption
Image settings	Compression, color, brightness, sharpness, contrast, local contrast, white balance, exposure control (including automatic		Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com
	gain control) exposure zones, fine tuning of behavior at different light levels, forensic WDR: up to 120 dB depending on scene, dynamic text and image overlay, polygon privacy masks, mirroring of images, rotation: 0°, 180°, including Corridor Format	Operating conditions	-40 °C to 50 °C (-40 °F to 122 °F) Maximum temperature (intermittent): 55 °C (131 °F) Start-up temperature: -30 °C to 50 °C (-22 °F to 122 °F) Humidity 10–100% RH (condensing)
Pan/Tilt/Zoom	Digital PTZ of view areas, digital PT of panorama, corner, corridor and quad views, preset positions, guard tour	Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
Audio		Approvals	EMC
Audio input/output	Two-way audio connectivity via the optional AXIS T61 Audio and I/O Interfaces with portcast technology		EN 55032 Class A, EN 50121-4, IEC 62236-4, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class
Network			KC KN32 Class A, KC KN35
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X (EAP-TLS) ^a network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware		Safety IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IEC/EN 62471 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14 IEC 60068-2-27, IEC 60721-3-5 Class 5M3 (vibration and shock)
Supported protocols	Pv4, IPv6 USGv6, HTTP, HTTPS ^a , SSL/TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP ^a , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, SIP, LLDP, HDMI 1.4b, MQTT		IEC/EN 60529 IP66, IEC/EN 62262 IK10, NEMA 250 Type 4X Network NIST SP500-267
System integra	rtion	Dimensions	Height: 66 mm (2 5/8 in) ø 149 mm (5 7/8 in)
Application	Open API for software integration, including VAPIX® and	Weight	770 g (1.7 lb)
Programming Interface	AXIS Camera Application Platform; specifications at axis.com AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF® Profile G and ONVIF® Profile S, specification at anvif.org Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX	Included accessories Optional	Installation guide, Windows® decoder 1-user license, drill hole template, cable gaskets, connector guard, I/O connector, Resistorx® T2O L-key, mounting bracket, cable hole lid, view protector AXIS T94T02D Pendant Kit with weathershield,
Analytics	Included AXIS Video Motion Detection, active tampering alarm	accessories	AXIS 194102D Fendant Kit, MXIN weathershield, AXIS 194K01D Pendant Kit, AXIS 194S02L Recessed Mount Kit, AXIS M30 Skin Cover A Black, Axis Mounts &

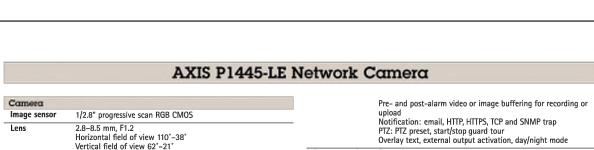
Image sensor 6 MP (3072x2048) 1/1.8" progressive scan RGB CMOS

Lens Fixed iris, fixed focus, 1.6 mm, F2.0
Horizontal field of view: 185°
Vertical field of view: 185°

AXIS M3057-PLVE Network Camera

Supported
AXIS Motion Guard, AXIS Fence Guard, and AXIS Loitering Guard
Support for AXIS Camera Application Platform enabling
installation of third-party applications, see axis.com/acap

Event triggers Analytics, supervised external input, virtual inputs through API, edge storage events, open casing



Day and night	Automatically removable infrared-cut filter
Minimum illumination	HDTV 1080p 25/30 fps with Forensic WDR and Lightfi Color: 0.07 lux, at 50 IRE F1.2; B/W: 0.01 lux, at 50 IRE F HDTV 1080p 50/60 fps with Lightfinder: Color: 0.14 lux, at 50 IRE F1.2; B/W: 0.03 lux, at 50 IRE F 0 lux with IR illumination on
Shutter time	1/66500 s to 2 s
Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Pro Motion JPEG
Resolution	1920x1080 to 160x90
Frame rate	HDTV 1080p (1920x1080) with WDR: Up to 25/30 FPS HZ) in all resolutions HDTV 1080p (1920x1080) without WDR: Up to 50/60 (50/60 HZ) in all resolutions

	Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/ABR/MBR H.264
Multi-view streaming	Up to 8 individually cropped out view areas
Image settings	Saturation, contrast, brightness, sharpness, Forensic WDR: Up to 120 dB depending on scene, white balance, day/night threshold, exposure mode, exposure zones, compression, orientation: auto, 0°, 90°, 180°, 270° including Corridor Format, mirroring of images, dynamic text and image overlay, privacy masks
Pan/Tilt/Zoom	Digital PTZ
Audio	
Audio streaming	Audio in, simplex
Audio	24bit LPCM, AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726

	comiguration of face
Audio input/output	External microphone input or line input Automatic gain control
Network	
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X (EAP-TLS) ^a network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS ^a , SSL/TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP ^a , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, CTCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP, MQTT
System integra	tion
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at <code>axis.com</code> AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF® Profile G, ONVIF® Profile S and ONVIF® Profile T, specification at <code>onvif.org</code>
Event conditions	Analytics Detectors: live stream accessed, video motion detection, audio detection, day/night mode, shock detection, tampering Hardware: network, temperature Input Signal: digital input port, manual trigger, virtual inputs Storage: disruption. recording

	(MIB-II), DNS, Dyndns, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP, MQTT		NETWORK NIST SP500-267
ystem integra	rtion	Weight	With weather shield: 1 kg (2.2 lb)
pplication	gramming AXIS Camera Application Platform; specifications at axis.com	Dimensions	Ø132 x 260 mm (Ø5 3/16 x 10 1/4 in)
nterface		Included accessories	Installation guide, Windows® decoder 1-user license, drill hole template, connector kit, mounting bracket AXIS Weather Shield L
Detectors: live stream accessed, video motion detection, audio detection, day/night mode, shock detection, tampering Hardware: network, temperature Input Signal: digital input port, manual trigger, virtual inputs Storage: disruption, recording System: system ready Time: recurrence, use schedule	Detectors: live stream accessed, video motion detection, audio detection, day/night mode, shock detection, tampering Hardware: network, temperature	Optional accessories	AXIS T94F01M J-Box/Gang Box Plate, AXIS T91A47 Pole Mount, AXIS T94P01B Corner Bracket, AXIS T94F01P Conduit Back Box, AXIS Weather Shield K, Axis PoE Midspans For more accessories, see axis.com
	Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at axis.com/vms	
vent actions	Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email	Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
		Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see axis.com/warranty

image sensor	1/2.8" progressive scan RGB CMOS		Notification: email, HTTP, HTTPS, TCP and SNMP trap
Lens	2.8–8.5 mm, F1.2 Horizontal field of view 110°–38° Vertical field of view 62°–21°		PTZ: PTZ preset, start/stop guard tour Overlay text, external output activation, day/night mode
	Varifocal, Remote focus and zoom, P-Iris control, IR corrected	Data streaming	Event data
Day and night	Automatically removable infrared-cut filter	Built-in installation aids	Pixel counter, remote zoom (3x optical), remote focus, auto rotation
Minimum illumination	HDTV 1080p 25/30 fps with Forensic WDR and Lightfinder:	Analytics	
mumination	Color: 0.07 lux, at 50 IRE F1.2; B/W: 0.01 lux, at 50 IRE F1.2 HDTV 1080p 50/60 fps with Lightfinder: Color: 0.14 lux, at 50 IRE F1.2; B/W: 0.03 lux, at 50 IRE F1.2 0 lux with IR illumination on	Applications	Included AXIS Video Motion Detection Supported AXIS Digital Autotracking, AXIS Perimeter Defender,
Shutter time	1/66500 s to 2 s		
Video			AXIS Cross Line Detection Support for AXIS Camera Application Platform enabling
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG	General	installation of third-party applications, see axis.com/acap
Resolution	1920x1080 to 160x90	Casing	IP66/IP67-, NEMA 4X-, and IK10-rated casing
Frame rate	HDTV 1080p (1920x1080) with WDR: Up to 25/30 FPS (50/60 HZ) in all resolutions	3	Polycarbonate blend and aluminium Color: white NCS S 1002-B
	HDTV 1080p (1920x1080) without WDR: Up to 50/60 FPS	Sustainability	PVC free
\6.1 4 · · ·	(50/60 HZ) in all resolutions	Memory	1024 MB RAM, 512 MB Flash
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264	Power	Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3 Typical: 5.6 W, max 12.95 W
	Controllable frame rate and bandwidth VBR/ABR/MBR H.264	Connectors	Shielded RJ45 10BASE-T/100BASE-TX PoE 3.5 mm mic/line in
Multi-view streaming	Up to 8 individually cropped out view areas	IR illumination	I/O: 4-pin terminal block for 1 alarm input and 1 output OptimizedIR with power-efficient, long-life 850 nm IR LEDs
Image settings	Saturation, contrast, brightness, sharpness, Forensic WDR: Up to 120 dB depending on scene, white balance, day/night threshold, exposure mode, exposure zones, compression, orientation: auto, 0°, 90°, 180°, 270° including Corridor Format, mirroring of images, dynamic text and image overlay, privacy masks	Storage	Range of reach 40 m (131 ft) or more depending on the scene Support for microSD/microSDHC/microSDXC card and encryption Recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com
Pan/Tilt/Zoom	Digital PTZ	Operating conditions	-40 °C to 60 °C (-40 °F to 140 °F) Maximum temperature according to NEMA TS2 (2.2.7): 74 °C (165 °F) Humidity 10–100% RH (condensing)
Audio	bigital 112	Contractions	
Audio streaming	Audio in, simplex		
Audio compression	24bit LPCM, AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz Configurable bit rate	Storage conditions Approvals	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5-95% RH (non-condensing) EMC
Audio input/output	External microphone input or line input Automatic gain control		EN 55032 Class A, EN 50121-4, IEC 62236-4, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class
Network			ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A, KCC KN32 Class A, KN35
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X (EAP-TLS) ^a network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware		Safety IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IS 13252 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14 IEC 60068-2-27, IEC 60068-2-78, IEC/EN 60529 IP66/IP67,
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS ^a , SSL/TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP ^a , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP, MQTT		IEC/EN 62262 IK10, NEMA 250 Type 4X, NEMA TS 2 (2.2.7-2.2.9) Network NIST SP500-267
System integra	tion	Weight	With weather shield: 1 kg (2.2 lb)
Application Programming	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com	Dimensions	Ø132 x 260 mm (Ø5 3/16 x 10 1/4 in)
Interface	AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF® Profile G, ONVIF® Profile S and ONVIF® Profile T, specification at <i>onvif.org</i>	Included accessories	Installation guide, Windows® decoder 1-user license, drill hole template, connector kit, mounting bracket AXIS Weather Shield L
Event conditions	Analytics Detectors: live stream accessed, video motion detection, audio detection, day/night mode, shock detection, tampering Hardware: network, temperature	Optional accessories	AXIS T94F01M J-Box/Gang Box Plate, AXIS T91A47 Pole Mount, AXIS T94P01B Corner Bracket, AXIS T94F01P Conduit Back Box, AXIS Weather Shield K, Axis PoE Midspans For more accessories, see axis.com



AXIS COMMUNICATIONS

AXIS Q1785-LE Network Camera

Robust, first-class 2 MP video with 32x optical zoom

AXIS Q1785-LE Network Camera is an all-integrated camera delivering 2 megapixel resolution and 32x optical zoom for easy and flexible installation at any distance as well as detailed video for identification. With a wide temperature range, impact resistance and IP66, IP67 and NEMA 4X ratings, this reliable camera is ready for tough environments. Lightfinder, Forensic WDR and OptimizedIR with 80 m (262 ft) range ensure details in challenging light conditions and darkness. AXIS Q1785-LE offers built-in analytics for proactive surveillance, corridor format and audio in for video with sound. Furthermore, Axis Zipstream saves bandwidth while keeping high video quality.

- > HDTV 1080p at up to 60 fps
- > -40 °C to 60 °C (-40 °F to 140 °F)
- > OptimizedIR with 80 m (262 ft) range > Electronic Image Stabilization
- > AXIS Guard Suite included



VIF° I GGT	HD T\
	NETWORK VIDE

Cameea Image sensor	1/2.8" progressive scan RGB CMOS		Supported AXIS Perimeter Defender, AXIS Cross Line Detection
Lens	4.3–137 mm, F1.4–4.0		Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/aca,
	Horizontal field of view: 60°-2.3° Vertical field of view: 39°-1.3° Autofocus, auto-iris, automatic day/night Thread for 62 mm filters, max filter thickness: 5 mm	Event triggers	Analytics, edge storage events Supervised external input, virtual inputs through API, sh detection
Day and night	Automatically removable infrared-cut filter in day mode and infrared-pass filter 720 nm in night mode	Event actions	Pre- and post-alarm video buffering File upload: FTP, SFTP, HTTP, HTTPS, network share and e Notification: email, HTTP, HTTPS, TCP and SNMP trap
Minimum illumination	Color: 0.16 lux at 50 IRE F1.4 B/W: 0.03 lux at 50 IRE F1.4	Data streaming	Event data
Shutter time	0 lux with IR illumination on 1/66500 s to 1 s	Built-in installation aids	Remote zoom, pixel counter, leveling assistant, autorota
Video		General	
Video compression Resolution	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG 1920x1080 HDTV 1080p to 160x120	Casing	IP66-, IP67-, and NEMA 4X-rated, IK10 impact-resistar aluminum enclosure with integrated dehumidifying men IK08 impact-resistant glass front window, weathershiel black anti-glare coating
	Maximum pixel density with 32x optical zoom: 25 m (82 ft): 1912 px/m 50 m (164 ft): 956 px/m 250 m (820 ft): 191 px/m		Color: White NCS S 1002-B For repainting instructions of casing and impact on wa contact your Axis partner.
Frame rate	With WDR: Up to 25/30 fps (50/60 Hz) in all resolutions	Sustainability	PVC free, 2% recycled plastic
	Without WDR: Up to 50/60 fps (50/60 Hz) in all resolutions	Memory	1024 MB RAM, 512 MB Flash
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth	Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 C Typical 7.7 W, max 12.95 W 20–28 V DC, typical 7.8 W, max 13.5 W 20–24 V AC, typical 12.4 V A, max 20 V A
Image settings	VBR/ABR/MBR H.264 settings Saturation, contrast, brightness, sharpness, Forensic WDR: Up to 120 dB depending on scene, defogging, white balance, day/night threshold, exposure mode, exposure zones, compression, mirroring of images, electronic image stabilization, barrel distortion correction, text and image overlay, dynamic text and image overlay, privacy masks Rotation: auto, 0°, 90°, 180°, 270° including Corridor Format Scene profiles: forensic, vivid, traffic overview, backlit entrance	Connectors	Shielded RJ45 10BASE-T/100BASE-TX PoE IDC punchdown connector DC Power connector Terminal block for two configurable supervised inputs / outputs (12 V DC output, max. load 50 mA) 3.5 mm mic/line in
n bruch		IR illumination	OptimizedIR with power-efficient, long-life 850 nm IR L adjustable angle of illumination and intensity. Range of 30 m (98 ft) in wide field of view and 80 m (262 ft) in f view, or more depending on the scene
Pan/Tilt/Zoom	32x optical zoom, preset positions	Storage	Support for microSD/microSDHC/microSDXC card and er
Audio Audio streaming	Audio in, simplex	Storage	Recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com
Audio compression	AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz, LPCM Configurable bit rate	Operating conditions	-40 °C to 60 °C (-40 °F to 140 °F) Maximum temperature according to NEMA TS 2 (2.2.7): (165 °F)
Audio input/output	Automatic gain control	Storage	Humidity 10-100% RH (condensing) -40 °C to 65 °C (-40 °F to 149 °F)
Network	Described protection ID address Sitering LITTES area mation	conditions	Humidity 5-95% RH (non-condensing)
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1x (EAP-TLS) ^a network access control, digest authentication, user access log, centralized certificate management, signed firmware, brute force delay protection	Approvals	EMC EN 55032 Class A, EN 50121-4, IEC 62236-4, EN 5502 EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B C ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS ³ , SSL/TLS ³ , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP ⁶ , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, STPT, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP, MQTT		KCC KN32 Class A, KN35, EAC Safety IEC/EN/UL 62368-1, IEC/EN/UL 60950-22 IS 13252
System integro	rtion		Environment EN 50581, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF® Profile G, ONVIF® Profile S, and ONVIF® Profile T, specification at onvif.org		IEC 60068-2-14, IEC 60068-2-30, IEC 60068-2-27, IEC 60068-2-78, IEC/EN 60529 IP66, IP67, IEC/EN 6226 body, IKOB glass, NEMA 250 Type 4X, NEMA TS 2 (2.2.7-Network NIST SP500-267
Onscreen controls	Electronic image stabilization Day/night shift Deforation	Dimensions	Other EN/IEC 62471
	Defogging Wide dynamic range IR illumination		Length: 386 mm (15 3/16 in) ø 147 mm (5 13/16 in)
	Autofocus	Weight	2.4 kg (5.3 lb)
Analytics	Included AXIS Video Motion Detection, AXIS Fence Guard, AXIS Loitering Guard, AXIS Motion Guard, active tampering alarm, gatekeeper	Included accessories	Installation guide, Windows® decoder 1-user license, co kit, Resistorx® L-key RJ45 patch cable

AXIS Q1785-LE Network Camera



AXIS Q3515-LVE Network Camera Outdoor-ready fixed dome for solid performance in HDTV 1080p

AXIS Q3515-LVE is a vandal-resistant fixed dome for harsh environments with a weathershield protecting against snow, rain and reflections. Thanks to its top-quality image sensor, along with Forensic WDR, Lightfinder technology and OptimizedIR illumination, the camera provides unparalleled video quality in any light conditions. Electronic image stabilization is instrumental for smooth and steady video when subject to vibrations. The camera offers redundancy between Power over Ethernet and DC power. Video analytics, supervised inputs and digital outputs further support the

- surveillance assignment. > HDTV 1080p video in full frame rate with Forensic WDR
- > Lightfinder and OptimizedIR
- > Axis Zipstream technology

Datasheet

> EIS and vandal resistance with IK10+ rating > Power with redundancy and configurable I/O ports





AXIS Q6125-LE PTZ Network Camera

AXIS Q6125-LE PTZ Network Camera offers discreet and unobtrusive surveillance. Its clever dome design effectively conceals the direction of the lens, and its integrated, automatically adaptable IR LED illumination enables surveillance in total darkness (up to 200 m (656 ft) or more depending on the scene). The camera provides full scene fidelity and sharp images both above and below the horizon thanks to Sharpdome technology. The speed dry function removes water drips from the dome, for clear images in rainy weather. AXIS Guard Suite analytics is included with the camera.

> HDTV 1080p and 30x zoom

High-speed PTZ with OptimizedIR

- > Built-in IR LEDs with OptimizedIR
- > Sharpdome technology with speed dry function
- > WDR forensic capture, Lightfinder and Zipstream
- > AXIS Guard Suite analytics included





	AXIS Q3515-LVE	Mermork	Camera
Models	AXIS Q3515-LVE 9 mm AXIS Q3515-LVE 22 mm	Security	Password protection, IP address filtering, IEEE 802.1X (EAP-TLS) network access control ^a , HTTPS ^a encryption, digest authentication, user access log,
Cameea	DOD OMOS 4/2 off		centralized certificate management, brute force delay protection
Image sensor	Progressive scan RGB CMOS 1/2.8"		signed firmware
Lens	Varifocal, Remote focus and zoom, P-Iris control, IR corrected 9 mm: 3-9 mm, F1.3 Horizontal field of view: 105°-36° Vertical field of view: 57°-21° 22 mm: 9-22 mm, F1.6	Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS, SSL/TLS ^a , Qo5 Layer 3 DiffServ, FTF SFTP, CIFS/SMB, SMTP, Bonjour, UPnP TM , SNMP v1/v2c/v3 (MIB-II) DNS, DynDNS, NTP, RTSP, RTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, SIP, LLDP, MQTT
	Horizontal field of view: 36°-15°	System integro	
Day and night	Vertical field of view: 19°-9° Automatically removable infrared-cut filter 9 mm: HDTV 1080p 25/30 fps with Forensic WDR and	Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com AXIS Video Hosting System (AVHS) with One-Click Connection
Minimum illumination	Lightfinder: Color: 0.07 lux at 50 IRE, F1.3; B/W: 0.01 lux at 50 IRE, F1.3 HDTV 1080p 50/60 fps with Forensic WDR and Lightfinder: Color: 0.14 lux at 50 IRE, F1.3; B/W: 0.03 lux at 50 IRE, F1.3,		ONVIF Profile G, ONVIF Profile S and ONVIF Profile T, specification at <i>anvif.org</i> Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX
	O lux with IR illumination on HDTV 1080p 100/120 fps: Color: 0.28 lux at 50 IRE, F1.3; B/W: 0.06 lux at 50 IRE, F1.3, O lux with IR illumination on 22 mm: HDTV 1080p 25/30 fps with Forensic WDR and Lightfinder: Color: 0.11 lux at 50 IRE, F1.6; B/W: 0.02 lux at 50 IRE, F1.6, O lux with IR illumination on HDTV 1080p 50/60 fps with Forensic WDR:	Analytics	Included AXIS Video Motion Detection, AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard, active tampering alarm, audio detection Supported AXIS Perimeter Defender, AXIS Digital Autotracking Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
	Color: 0.22 lux at 50 IRE, F1.6; B/W: 0.04 lux at 50 IRE, F1.6, 0 lux with IR illumination on HDTV 1080p 100/120 fps:	Event triggers	Analytics, supervised external inputs, virtual inputs through API, edge storage events, shock detection
	Color: 0.44 lux at 50 IRE, F1.6; B/W: 0.08 lux at 50 IRE, F1.6, 0 lux with IR illumination on	Event actions	Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email
Shutter time	1/66500 to 2 s		Pre- and post-alarm video or image buffering for recording or upload
Camera angle adjustment	Pan: 360° Tilt: ±80° Rotation: ±175°		Notification: email, HTTP, HTTPS, TCP and SNMP trap Overlay text, external output activation, play audio clip, zoom preset
Video	HOCA (MDCC 4 Pert 40/A)(C) Perelies Main and High Perfiles	Data streaming	Event data
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG	Built-in installation aids	Remote zoom, remote focus, pixel counter, leveling assistant, autorotation, straighten image, traffic wizard
Resolution	1920x1080 to 160x90		autorotation, straighten mage, traine wizard
Frame rate Video streaming	HDTV 1080p (1920x1080) with WDR: Up to 50/60 fps with power line frequency 50/60 Hz HDTV 1080p (1920x1080) without WDR: Up to 100/120 fps with power line frequency 50/60 Hz Multiple, individually configurable streams in H.264 and Motion	Casing	IP66-, IP67-, IP6K9K- and NEMA 4X-rated, IK10+ (50 joules) impact-resistant casing with polycarbonate hard-coated dome, aluminum base and dehumidifying membrane Encapsulated electronics, captive screws Color: White NCS S 1002-B
	JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth		For repainting instructions of casing or skin cover and impact on warranty, contact your Axis partner.
Multi-view	VBR/ABR/MBR H.264 8 individually cropped-out view areas	Mounting	Mounting bracket with holes for junction boxes (double-gang, single-gang, 4" square, and 4" octagon) and for ceiling and wall mounting
streaming			3/4" (M25) conduit side entry
Pan/Tilt/Zoom	Digital PTZ, Optical zoom, Preset positions 9 mm: 3x Optical zoom, 2x Digital zoom	Sustainability	PVC-free
	22 mm: 2.4x Optical zoom, 2x Digital zoom	Memory	1 GB RAM, 512 MB Flash
Image settings	Scene profiles, compression, color, brightness, sharpness, contrast, local contrast, white balance, day/night threshold, exposure control (including automatic gain control), defogging, exposure zones, fine tuning of behavior at different light levels,	Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3, typical 5.6 W, max 12.5 W 8–28 V DC, typical 6.3 W, max 13.6 W Power redundancy
	Forensic WDR: Up to 120 dB depending on scene, electronic image stabilization, barrel distortion correction, dynamic text and image overlay, privacy masks, mirroring of images, straighten image, rotation: 0°, 90°, 180°, 270°, auto, including corridor format	Connectors	RJ45 10BASE-T/100BASE-TX PoE, terminal block for two configurable supervised inputs / digital outputs (12 V DC output, max load 50 mA), 3.5 mm mic/line in, 3.5 mm line out, terminal block for DC input
Audio	Tomat	IR illumination	OptimizedIR with power-efficient, long-life 850 nm IR LEDs 9 mm: Range of reach 40 m (130 ft) or more depending on
Audio streaming Audio	Full-duplex 24-bit LPCM 48 kHz, AAC LC 8/16/32/48 kHz, G.711 PCM 8 kHz,		the scene 22 mm: Range of reach 60 m (200 ft) or more depending on the scene
Compression	G.726 ADPCM 8kHz, Opus 8/16/48 kHz Configurable bitrate Input for external microphone or line-level device	Storage	Support for microSD/microSDHC/microSDXC card Support for SD card encryption
input/output	Line output Automatic gain control		Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see <i>axis.com</i>
Network			
Network			

	AXIS Q6125-LE PTZ	Network	Camera	
lodels	AXIS Q6125-LE 60 Hz		IP address removed, network lost, new IP address, shock detected storage failure, system ready, within operating temperature Edge storage: recording ongoing, storage disruption	
ameea	1/2 OF Progressive seen CMOS		I/O: digital input, manual trigger, virtual input	
nage sensor	1/2.8" Progressive scan CMOS		PTZ: PTZ malfunctioning, PTZ movement, PTZ preset position reached, PTZ ready Scheduled and recurring: scheduled event Video: live stream open	
ens	4.3–129 mm, F1.6–4.7 Horizontal field of view: 63.5°–2.3° Vertical field of view: 38.4°–1.3°			
	Autofocus, auto-iris	Event actions	Record video: SD card and network share	
ay and night	Automatically removable infrared-cut filter		Pre- and post-alarm video or image buffering for recording or	
inimum umination	Color: 0.1 lux at 30 IRE, F1.6 B/W: 0.008 lux at 30 IRE, F1.6, 0 lux with IR illumination on Color: 0.15 lux at 50 IRE, F1.6		upload Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share, and email	
ttou timo	B/W: 0.01 lux at 50 IRE, F1.6, 0 lux with IR illumination on		Notification: email, HTTP, HTTPS, TCP, and SNMP trap PTZ: PTZ preset, guard tour	
nutter time	1/10000 s to 1 s		Overlay text, day/night mode IR illumination	
ın/Tilt/Zoom	Pan: 360° endless, 0.05°-700°/s Tilt: +20 to -90°, 0.05°-500°/s	Data streaming	Event data	
	Zoom: 30x optical, 12x digital, total 360x zoom Nadir flip, 256 preset positions, tour recording, guard tour,	Built-in installation aids	Focus assistant, pixel counter	
	control queue, on-screen directional indicator, set new pan 0°,	General		
daa	adjustable zoom speed, speed dry	Casing	IK08, IK10 housing and mounting ^b , IP66- and NEMA 4X-rated	
ideo ideo ompression	H.264 (MPEG-4 Part 10/AVC), Main and High Profiles H.265 (MPEG-H Part 2)	,	Repaintable metal casing (aluminum), hard coated Polycarbonate (PC) clear dome with Sharpdome technology	
inpression	Motion JPEG	Sustainability	PVC free	
solution	1920x1080p (HDTV 1080p) to 640x360	Memory	1 GB RAM, 512 MB Flash	
ame rate	Up to 25/30 fps or 50/60 fps (50/60 Hz) in all resolutions	Power	Axis High PoE midspan 1-port: 100-240 V AC, max 74 W	
deo streaming	Multiple, individually configurable streams in H.264, H.265 and		Camera consumption: typical 14 W (no IR), max 51 W Axis PoE+ midspan 1-port: 100-240 V AC, max 37 W	
J	Motion JPEG		IEEE 802.3at Type 2 Class 4	
	Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/MBR H.264/H.265	Connectors	Camera consumption: typical 14 W, max 25 W RJ45 10BASE-T/100BASE-TX	
age settings	Compression, color, brightness, sharpness, white balance,		RJ45 Push-pull Connector (IP66)	
age seeings	exposure control, exposure zones, noise reduction, rotation, electronic image stabilization (EIS), manual shutter time, text and image overlay, image freeze on PTZ, scene profiles, focus recall Defogging, backlight compensation Contrast, highlight compensation, WDR - forensic capture:	IR illumination	OptimizedIR with power-efficient, long life 850 nm IR LEDs With 30 W midspan: Range of reach 150 m (492 ft) or more depending on the scene With 60 W midspan: Range of reach 200 m (656 ft) or more depending on the scene	
	120 dB, 32 individual 3D privacy masks	Storage	Support for microSD/microSDHC/microSDXC card	
twork			Support for SD card encryption Support for recording to network-attached storage (NAS)	
curity	Password protection, IP address filtering, HTTPSa encryption,		For SD card and NAS recommendations see axis.com	
	IEEE 802.1x (EAP-TLS) ^a network access control, Digest authentication, User access log, Centralized Certificate Management, Brute force delay protection, signed firmware	Operating conditions	With 30 W midspan: -30 °C to 50 °C (-22 °F to 122 °F) With 60 W midspan: -50 °C to 50 °C (-58 °F to 122 °F)	
pported otocols	IPv4, IPv6 USGv6, HTTP, HTTPS ^a , SSL/TLS ^a , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP TM , SNMP v1/v2c/v3 (MIB-II),		Maximum temperature according to NEMA TS 2 (2.2.7); 74 °C (165 °F) Arctic Temperature Control: Start-up as low as -40 °C (-40 °F)	
	DNS, Dyndns, NTP, RTSP, RTP, SRTP, SFTP, TCP, UDP, IGMP, RTCP,		Humidity 10–100% RH (condensing)	
stone into a	ICMP, DHCP, ARP, SOCKS, SSH, NTCIP, MQTT	Storage	-40 °C to 70 °C (-40 °F to 158 °F)	
stem integra		conditions	Humidity 5-95% RH (non-condensing)	
oplication ogramming terface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at <i>axis.com</i> AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF® Profile G and ONVIF® Profile S, specifications at <i>onvif.org</i>	Approvals	EMC EN 55032 Class A, EN 55024, EN 50121-4, IEC 62236-4, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A	
nalytics	Included AXIS Video Motion Detection, AXIS Fence Guard, AXIS Motion Guard, AXIS Loitering Guard, Autotracking, Active Gatekeeper		RCM AS/NZS CISPR32 Class A Safety IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IEC/EN 62471 risk group 2, IS 13252	
	Supported Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap		Environment IEC/EN 62262 IKO8, IEC/EN 60529 IPG6, NEMA 250, Type 4X, NEMA TS 2 (2.2.7–2.2.9), IEC 60068-2-1, IEC 60068-2-2,	
ent triggers	Detectors: live stream accessed, shock detection, day/night mode		IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27,	
	Hardware: network, temperature, fan Input Signal: manual trigger, virtual inputs PTZ: autotracking, error, moving, preset reached, ready		IEC 60068-2-30, IEC 60068-2-78, ISO4892-2 Midspan: EN 60950-1, GS, UL, cUL, CE, FCC, VCCI, CB Network	
	Storage: disruption, recording		NIST SP500-267	
	System: system ready Time: recurrence, use schedule	Dimensions	With mounting hook: 274 x 165 x 165 mm (10 13/16 x 6 1/2 x 6 1/2 in) Without mounting hook:	
ent conditions			256 x 165 x 165 mm (10 1/16 x 6 1/2 x 6 1/2 in)	
	Audio: audio detection Device status: above operating temperature, above or below operating temperature, below operating temperature, fan failure,	Weight	3 kg (6.6 lb)	

LEGEND



EASEMENT/SETBACK LINE



EXISTING LANDSCAPE AREA AND AVOCADO TREE CANOPY

PROPOSED TREE AND/OR LANDSCAPED LOCATIONS

LANDSCAPE AND SCREENING PLAN:

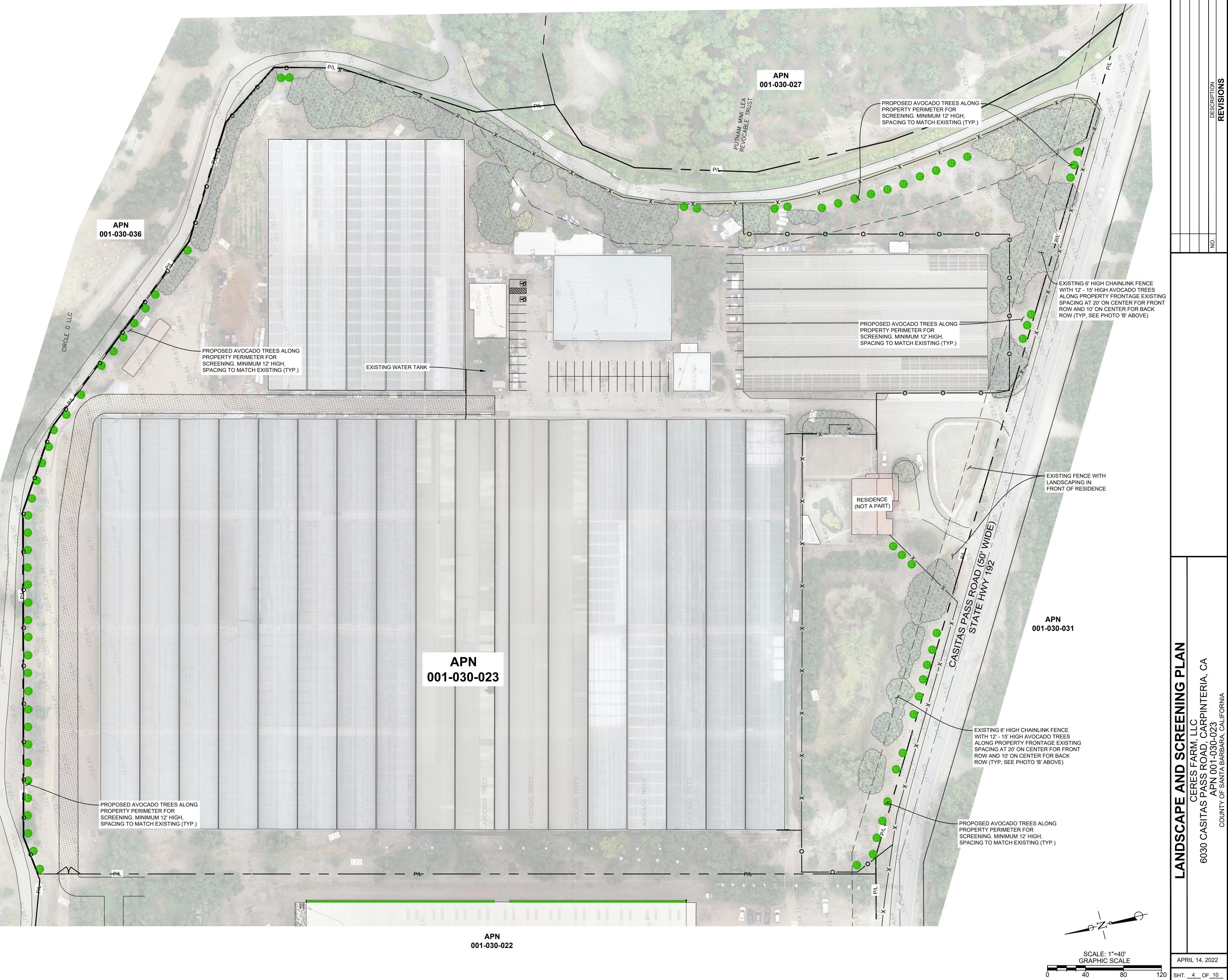
THE PROPOSED OPERATION WILL MAINTAIN THE EXISTING AVOCADO TREES AS SCREENING ONLY AND PLANT NEW HASS AVOCADO TREES AS NECESSARY TO MAINTAIN THE SCREENING AROUND THE PERIMETER OF THE PROPERTY. HARVESTING OF THE AVOCADO TREES WILL NOT TAKE PLACE. THE TREES WILL PROVIDE A DENSE AND ATTRACTIVE LANDSCAPE SCREEN TO PROVIDE PRIVACY AND TO SHIELD THE ACTIVITIES CONDUCTED ON THE PROPERTY FROM PUBLIC VIEW.







EXISTING SCREENING ALONG CASITAS PASS ROAD NOT TO SCALE



PLOTTED: Tuesday, May 10, 2022 4:21:57 PM

W.O. 1881

DESIGNATED STRIPED EMPLOYEE

LEGEND

PARKING AREA (24 SPACES TOTAL) -

25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |

39 | 40 | 41 | 42 | 43 / 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 |

150.0'

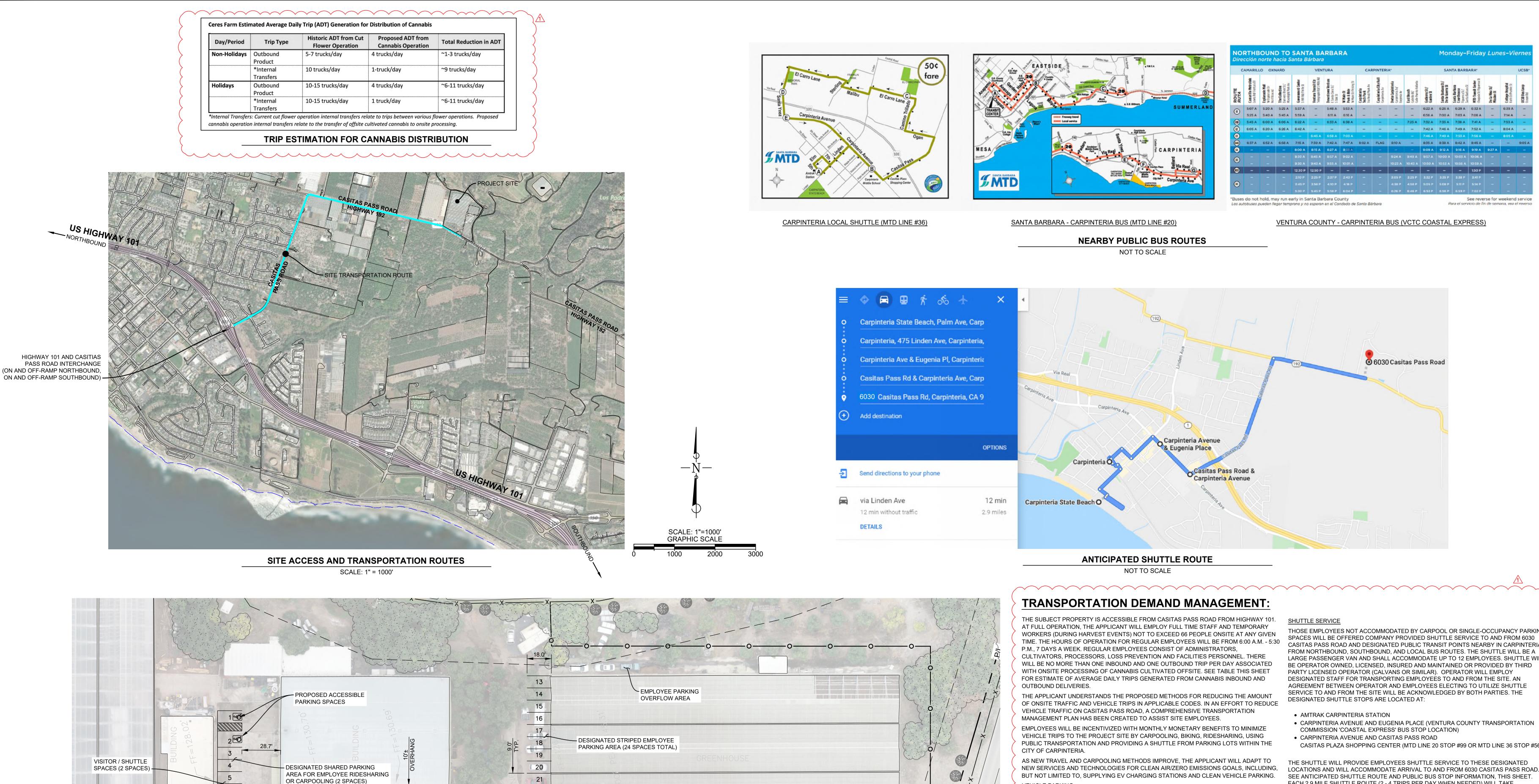
DESIGNATED MARKED EMPLOYEE

PARKING AREA (28 SPACES)

PROPERTY LINE

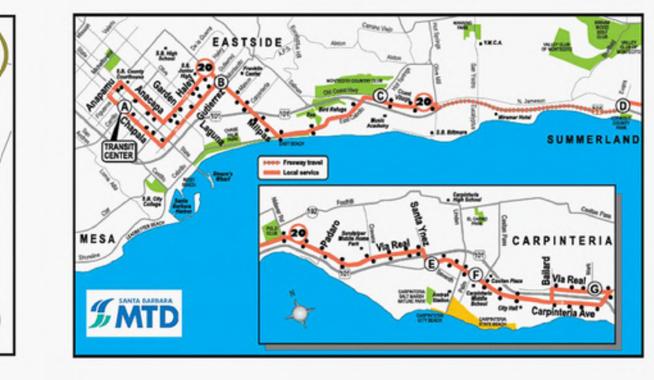
PARKING COUNT

TRAFFIC DIRECTION



PROPOSED BICYCLE RACKS

SITE TRAFFIC CIRCULATION AND PARKING LAYOUT SCALE: 1" = 30'



cción norte hacia Santa Bárbara

NORTHBOUND TO SANTA BARBARA Monday-Friday Lunes-Vierne SANTA BARBARA* B 5:45 A 6:00 A 6:06 A 6:22 A - 6:33 A 6:38 A - - - 7:25 A 7:32 A 7:35 A 7:38 A 7:41 A - 7:53 A) 6:05 A 6:20 A 6:26 A 6:42 A - - - - - - 7:42 A 7:46 A 7:49 A 7:52 A - 8:04 A -*Buses do not hold, may run early in Santa Barbara County See reverse for weekend service Para el servicio de fin de semana, vea el reverso

Los autobuses pueden llegar temprano y no esperan en el Condado de Santa Bárbara

VENTURA COUNTY - CARPINTERIA BUS (VCTC COASTAL EXPRESS)

NEARBY PUBLIC BUS ROUTES

NOT TO SCALE

6030 Casitas Pass Road Carpinteria Avenue 12 min Carpinteria State Beach O

ANTICIPATED SHUTTLE ROUTE

NOT TO SCALE

TRANSPORTATION DEMAND MANAGEMENT:

THE SUBJECT PROPERTY IS ACCESSIBLE FROM CASITAS PASS ROAD FROM HIGHWAY 101. AT FULL OPERATION, THE APPLICANT WILL EMPLOY FULL TIME STAFF AND TEMPORARY WORKERS (DURING HARVEST EVENTS) NOT TO EXCEED 66 PEOPLE ONSITE AT ANY GIVEN TIME. THE HOURS OF OPERATION FOR REGULAR EMPLOYEES WILL BE FROM 6:00 A.M. - 5:30

P.M., 7 DAYS A WEEK. REGULAR EMPLOYEES CONSIST OF ADMINISTRATORS, CULTIVATORS, PROCESSORS, LOSS PREVENTION AND FACILITIES PERSONNEL. THERE WILL BE NO MORE THAN ONE INBOUND AND ONE OUTBOUND TRIP PER DAY ASSOCIATED WITH ONSITE PROCESSING OF CANNABIS CULTIVATED OFFSITE. SEE TABLE THIS SHEET FOR ESTIMATE OF AVERAGE DAILY TRIPS GENERATED FROM CANNABIS INBOUND AND

THE APPLICANT UNDERSTANDS THE PROPOSED METHODS FOR REDUCING THE AMOUNT OF ONSITE TRAFFIC AND VEHICLE TRIPS IN APPLICABLE CODES. IN AN EFFORT TO REDUCE VEHICLE TRAFFIC ON CASITAS PASS ROAD, A COMPREHENSIVE TRANSPORTATION MANAGEMENT PLAN HAS BEEN CREATED TO ASSIST SITE EMPLOYEES.

EMPLOYEES WILL BE INCENTIVIZED WITH MONTHLY MONETARY BENEFITS TO MINIMIZE VEHICLE TRIPS TO THE PROJECT SITE BY CARPOOLING, BIKING, RIDESHARING, USING PUBLIC TRANSPORTATION AND PROVIDING A SHUTTLE FROM PARKING LOTS WITHIN THE

AS NEW TRAVEL AND CARPOOLING METHODS IMPROVE, THE APPLICANT WILL ADAPT TO NEW SERVICES AND TECHNOLOGIES FOR CLEAN AIR/ZERO EMISSIONS GOALS, INCLUDING, BUT NOT LIMITED TO, SUPPLYING EV CHARGING STATIONS AND CLEAN VEHICLE PARKING. VEHICLE PARKING

AT MAXIMUM CAPACITY, THERE WILL BE NO MORE THAN 66 EMPLOYEES ONSITE. THERE WILL BE A TOTAL OF 52 PARKING SPACES ON SITE. THE PLAN TO ACCOMMODATE PARKING PARKING SPACES. WITH THESE AVAILABLE SPACES AND EMPLOYEE CAPACITY IS DESCRIBED BELOW:

- 48 SINGLE-OCCUPANCY SPACES (INCLUDES 2 ADA), STRIPED 2 CARPOOL SPACES, STRIPED
- 2 VISITOR/SHUTTLE SPACES, STRIPED
- EMPLOYEE OVERFLOW PARKING AREA, UNMARKED

PUBLIC TRANSPORTATION

SITE ENTRANCE / EXIT

RESIDENCE (NOT A PART)

SHARED FIRE DEPT. ACCESS

6030 / 5980 CASITAS PASS

EMPLOYEES WILL BE ENCOURAGED TO TAKE PUBLIC TRANSPORTATION TO THE SHUTTLE STOPS BY WAY OF AMTRAK, MTD AND THE VENTURA COUNTY TRANSPORTATION COMMISSION COASTAL EXPRESS. SEE SHUTTLE SERVICE DESCRIPTION FOR PICKUP

• AMTRAK PACIFIC SURFLINER, TRAIN 768 SOUTHBOUND AND TRAIN 763 NORTHBOUND (SUBJECT TO CHANGE)

• VENTURA COUNTY TRANSPORTATION COMMISSION COASTAL EXPRESS, ROUTE 84U NORTHBOUND AND ROUTE 80C SOUTHBOUND SANTA BARBARA MTD, LINE 20 & LINE 36

THOSE EMPLOYEES NOT ACCOMMODATED BY CARPOOL OR SINGLE-OCCUPANCY PARKING SPACES WILL BE OFFERED COMPANY PROVIDED SHUTTLE SERVICE TO AND FROM 6030 CASITAS PASS ROAD AND DESIGNATED PUBLIC TRANSIT POINTS NEARBY IN CARPINTERIA FROM NORTHBOUND, SOUTHBOUND, AND LOCAL BUS ROUTES. THE SHUTTLE WILL BE A LARGE PASSENGER VAN AND SHALL ACCOMMODATE UP TO 12 EMPLOYEES. SHUTTLE WILL BE OPERATOR OWNED, LICENSED, INSURED AND MAINTAINED OR PROVIDED BY THIRD PARTY LICENSED OPERATOR (CALVANS OR SIMILAR). OPERATOR WILL EMPLOY DESIGNATED STAFF FOR TRANSPORTING EMPLOYEES TO AND FROM THE SITE. AN AGREEMENT BETWEEN OPERATOR AND EMPLOYEES ELECTING TO UTILIZE SHUTTLE SERVICE TO AND FROM THE SITE WILL BE ACKNOWLEDGED BY BOTH PARTIES. THE DESIGNATED SHUTTLE STOPS ARE LOCATED AT:

AMTRAK CARPINTERIA STATION

• CARPINTERIA AVENUE AND EUGENIA PLACE (VENTURA COUNTY TRANSPORTATION COMMISSION 'COASTAL EXPRESS' BUS STOP LOCATION) CARPINTERIA AVENUE AND CASITAS PASS ROAD

THE SHUTTLE WILL PROVIDE EMPLOYEES SHUTTLE SERVICE TO THESE DESIGNATED LOCATIONS AND WILL ACCOMMODATE ARRIVAL TO AND FROM 6030 CASITAS PASS ROAD. SEE ANTICIPATED SHUTTLE ROUTE AND PUBLIC BUS STOP INFORMATION, THIS SHEET. EACH 2.9 MILE SHUTTLE ROUTE (2 - 4 TRIPS PER DAY WHEN NEEDED) WILL TAKE APPROXIMATELY 12 MINUTES TO COMPLETE. EMPLOYEES WORKING OUTSIDE OF NORMAL HOURS WILL BE LIMITED TO THE 48 SINGLE-OCCUPANCY PARKING SPACES OR 2 CARPOOL

CASITAS PLAZA SHOPPING CENTER (MTD LINE 20 STOP #99 OR MTD LINE 36 STOP #565)

BICYCLE PARKING

ANY EMPLOYEE WHO ELECTS TO BIKE TO THE FARM WILL BE PROVIDED WITH A SECURE AREA TO LOCK AND STORE THEIR BIKE, SEE SITE TRANSPORTATION DEMAND MANAGEMENT PLAN FOR LOCATION. AMTRAK OFFERS FREE BICYCLE TRANSPORTATION WITH RESERVATION ABOARD THEIR PACIFIC SURFLINER TRAINS. MTD OFFERS FREE BICYCLE TRANSPORTATION ON A FIRST COME FIRST SERVED BASIS BICYCLE RACK WHILE RIDING THE BUS.

THE FACILITIES MANAGER WILL MONITOR VEHICLE TRIP GENERATION AND ENSURE ADHERENCE TO TRIP REDUCTION MEASURES.

EMPLOYEE COUNTS		
JOB TITLE	MAXIMUM	
PROCESSING	23	
HARVESTING	6	
DRYING	2	
MAINTENANCE	1	
NURSERY	15	
CULTIVATION	5	
SELF TRANSPORTATION	1	
ADMIN	4	
TRANSPLANTER	8	
SECURITY	1	
TOTAL	66	

Transportation Demai	nd Management Plan for	66 max employe	ca		TOTAL
Parking Type	Onsite, single occupancy vehicle parking spaces (striped)	Onsite carpool spaces	Visitor, shuttle parking	Public transit, rideshare, Bicycle parking	
Number of Spaces	48 spaces, includes 2 ADA	2 spaces, minimum 2 employees per car	2 spaces, assumed 1 visitor & 1 shuttle	(See route maps and bicycle parking area)	
# of employees accommodated	48	4	13	1+	66

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CAN-LITE CARBON FILTERS

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LEGEND

PROPERTY LINE

EASEMENT/SETBACK LINE

EXISTING ODOR ABATEMENT SYSTEM
PROPOSED ODOR ABATEMENT SYSTEM

ODOR ABATEMENT PLAN:

PURSUANT TO ARTICLE II, SECTION 35-144U.C.6, THE APPLICANT FOR CULTIVATION, NURSERY, MANUFACTURING, MICROBUSINESS, AND/OR DISTRIBUTION PERMITS, SHALL (1) PREPARE AND SUBMIT TO THE DEPARTMENT FOR REVIEW AND APPROVAL, AND (2) IMPLEMENT, AN ODOR ABATEMENT PLAN. NO ODOR ABATEMENT PLAN SHALL BE REQUIRED IN AG-II ZONING, UNLESS A CUP IS REQUIRED.

THE PROPOSED CANNABIS OPERATION WILL UTILIZE THE BENZACO/FOGCO ODOR ABATEMENT SYSTEM TO MITIGATE ODORS AT THIS PROPERTY. THIS IS A WATER-BASED SYSTEM THAT WILL BE INSTALLED AROUND THE PERIMETER OF THE GREENHOUSE AND THE PROCESSING BUILDING. THE SYSTEM WILL UTILIZE SENSORS TO TURN ON WHEN VENTING OF THE GREENHOUSES OCCURS. ALSO, A CARBON FILTRATION SYSTEM WILL BE UTILIZED FOR THE PROCESSING BUILDING TO FURTHER MITIGATE ODORS DURING THE PROCESSING PHASE OF THE OPERATIONS. THE ODOR-EMITTING ACTIVITIES INCLUDE CULTIVATION, DRYING, TRIMMING, SORTING AND PACKAGING AND WILL OCCUR WITHIN THE GREENHOUSE AND PROCESSING BUILDING, EFFECTIVELY. THE ODORS FROM THE CULTIVATION ACTIVITIES WILL OCCUR 12 MONTHS OUT OF THE YEAR. ODORS FROM DRYING, TRIMMING, SORTING AND PACKAGING WILL ALSO OCCUR 12 MONTHS OUT OF THE YEAR.

THE APPLICANT HAS ENGAGED A CERTIFIED INDUSTRIAL HYGIENIST, NATE SEWARD, TO REVIEW AND CERTIFY THAT THE EQUIPMENT AND METHODS TO BE USED FOR REDUCING ODORS ARE CONSISTENT WITH ACCEPTED AND AVAILABLE INDUSTRY-SPECIFIC BEST CONTROL TECHNOLOGIES AND METHODS DESIGNATED TO MITIGATE ODOR. PLEASE SEE THE ODOR CERTIFICATION REPORT FOR MORE DETAILED AND COMPREHENSIVE INFORMATION. COMPLAINT TRACKING AND MITIGATION

ALL COMPLAINTS CONCERNING CANNABIS ODOR EMANATING FROM THE SITE CAN BE DIRECTED TO:

ALEX VAN WINGERDEN

(805) 455-5926 ALEX@WESTLANDFLORAL.COM

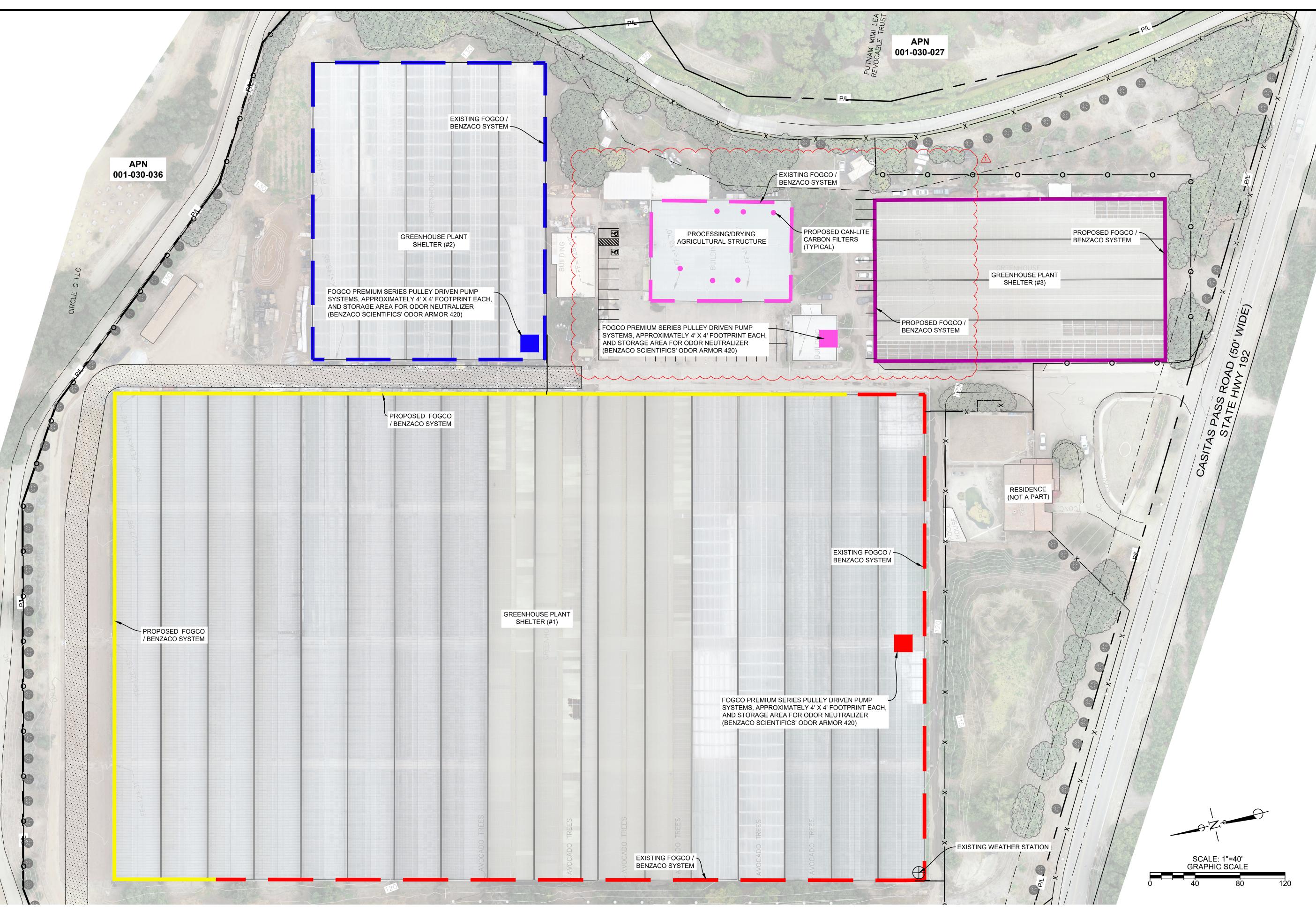
CERES FARMS, LLC HAS DEVELOPED A COMPREHENSIVE PLAN TO ADDRESS ANY ODORS THAT ESCAPE THE GREENHOUSE FACILITIES. BENZACO SCIENTIFIC HAS DEVELOPED A PLAN TO NEUTRALIZE ODORS USING THE ODOR-ARMOR 420 HIGH-PRESSURE FOGGING AND VAPOR-PHASE SYSTEM. BENZACO SCIENTIFIC WILL USE HIGH PRESSURE TUBING FIXED TO THE SIDES OF THE BUILDINGS, WITH LOW FLOW ATOMIZING NOZZLES AT 10' SPACING SPLIT INTO ZONES. THESE NOZZLES WILL RELEASE ODOR-ARMOR 420 AT THE PERIMETER OF THE STRUCTURES ELIMINATING ANY ODORS. THE ZONES WILL BE ACTIVATED THROUGH AUTOMATED CONTROL WITH TIMED DISPENSING DURING HOURS OF OPERATION AS WELL AS ZONES DOWN-WIND BEING ACTIVATED DEPENDING ON THE WEATHER WITH A WIND SENSOR OPERATING SYSTEM.

EXISTING FOGCO AND BENZACO EXTERIOR ODOR ABATEMENT SYSTEM:

THE LARGER GREENHOUSE #1, GREENHOUSE #2 AND AGRICULTURAL BUILDING HAVE EXISTING FOGCO/BENZACO SYSTEMS INSTALLED. THE GREENHOUSES AND PROCESSING BUILDING HAVE A DESIGNATED FOGCO PREMIUM SERIES PUMP THAT FEEDS BENZACO ODOR-ARMOR 420 ODOR NEUTRALIZER TO APPROXIMATELY 2,680 LF OF TUBING WITH NOZZLES ATTACHED SECURELY TO THE OUTSIDE ROOF EDGE OF THE STRUCTURES. THE EXISTING TUBING AND NOZZLES ARE ATTACHED WITH BRACKETS AND ANCHOR BOLTS TO THE EDGE OF THE ROOF AT THE TOP OF THE EXTERIOR WALLS AT APPROXIMATELY 18' ABOVE THE GROUND. PUMPS AND ODOR NEUTRALIZER STORAGE ARE HOUSED IN THE EXISTING BOILER ROOM, THE EXISTING LARGER GREENHOUSE #1 AND GREENHOUSE #2. EACH PUMP IS LOCATED TO ALLOW ACCESS FOR MATERIAL DELIVERY, LIMIT SOUND FROM PUBLIC AREAS AND PROVIDE MAINTENANCE.

PROPOSED FOGCO AND BENZACO EXTERIOR ODOR ABATEMENT SYSTEM:

A FOGCO/BENZACO ODOR NEUTRALIZING SYSTEM IS PROPOSED FOR THE REMAINING UNTREATED 1,030 LF OF THE LARGER GREENHOUSE #1 AND 830 LF OF THE SOUTHERN GREENHOUSE #3. EACH BUILDING IS PROPOSED TO HAVE A DESIGNATED FOGCO PREMIUM SERIES PUMP WHICH FEEDS BENZACO SCIENTIFICS' ODOR-ARMOR 420 ODOR NEUTRALIZER TO APPROXIMATELY 1,030 LF (GREENHOUSE #1) AND 830 LF (GREENHOUSE #3) OF TUBING WITH NOZZLES ATTACHED WITH BRACKETS AND ANCHOR BOLTS TO THE OUTSIDE ROOF EDGE OF THE STRUCTURES AT APPROXIMATELY 18' ABOVE THE GROUND. PUMPS AND ODOR NEUTRALIZER STORAGE WILL BE HOUSED IN THE EXISTING BOILER ROOM AND GREENHOUSE #1. EACH PUMP IS LOCATED TO ALLOW FOR EASY ACCESS FOR MATERIAL DELIVERY, MAINTENANCE AND TO LIMIT SOUND FROM PUBLIC AREAS. FOR ADDITIONAL ODOR REDUCTION, A CAN-LITE CHARCOAL FILTER SYSTEM IS ALSO PROPOSED WITHIN THE EXISTING ENCLOSED AGRICULTURAL PROCESSING BUILDING





EXISTING ODOR ABATEMENT SYSTEM

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EXISTING ODOR ABATEMENT SYSTEM

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	Noise Generating Equipment - Ceres Farm							
				Descible Levels	Distance to	Estimated Sound Level		
#	Equipment Type	Equipment Make	Location	(dB)	Property Line (ft.)	at Propert Line (dB)		
1	Boiler	Dixon Wall Boilers	Boiler Room	85.4	223	38.4		
2	Boiler Pump		Boiler Room	85.4	223	38.4		
3	T4 Twister	Twiser	Processing Building	90.2	135	47.6		
4	T4 Vaccum	Twister	Processing Building	80.9	135	38.3		
5	T2 Twister	Twister	Processing Building	90.2	150	46.7		
6	T2 Vaccum	Twister	Processing Building	85.8	150	42.3		
7	Bud Sorter	Bud Sorter	Processing Building	Not Operating	118			
8	Bucker	Mother Bucker	Processing Building	66.3	118	24.9		
9	Dehumidifiers	B-Air	Drying Room	69.2	105	28.8		
10	Pedestal Fans	Global Industrial	Drying Room	74.3	112	33.3		
11	Curtain Motor		Greenhouse	See GH Reading	293	See GH reading below		
12	Vent Motor		Greenhouse	See GH Reading		See GH reading below		
13	Fans	Holland Heater	Greenhouse	77.5	98	37.7		
14	Airflow Fans	Schaefer	Greenhouse	See GH Reading	301	See GH reading below		
15	Boiler Room	Outside	Outside	64	335	13.5		
16	Processing	Outside- Door open	Outside	57.7	189	12.2		
17	Nursery	Outside	Outside	52.3	40	20.3		

*NOTE: CALCULATED DECIBEL LEVELS AT PROPERTY LINE DO NOT ACCOUNT FOR DAMPENING DUE TO WALLS OF STRUCTURES OR PLANTED TREES

NOISE CONTROL PLAN:

THE GREENHOUSE UTILIZES 18" VENTILATION FANS FROM HOLLAND HEATER, SHAEFER OR ACME THAT HAVE A 67-DECIBEL SOUND MEASUREMENT AT A DISTANCE OF THREE FEET. THESE FANS WILL BE PLACED ALONG THE CENTER OF THE GREENHOUSE BAY, APPROXIMATELY 12 FEET FROM THE PERIMETER OF THE GREENHOUSE. AS SUCH, THE NOISE GENERATED FROM THESE FANS WILL BE LESS THAN 65 DECIBELS AT THE PROPERTY LINE. THIS IS CONSISTENT WITH EXISTING AGRICULTURAL OPERATIONS ON THE SITE. THE PROPOSED CANNABIS OPERATION WILL NOT INCREASE THIS NOISE LEVEL AS NO NEW MACHINERY WILL BE USED. THE NOISE PLAN INDICATES THE LOCATION OF ALL EXISTING AND PROPOSED NOISE-GENERATING EQUIPMENT ON THE SITE. ALL NOISE-GENERATING EQUIPMENT IS LOCATED INSIDE THE EXISTING STRUCTURES, PROVIDING ADDITIONAL ATTENUATION.

THE TABLE OUTLINES ALL NOISE GENERATING EQUIPMENT AS WELL AS THE DECIBEL READINGS TAKEN OUTSIDE OF EACH STRUCTURE AND THE NOISE CALCULATIONS AT THE PROPERTY LINE. ALL NOISE-GENERATING EQUIPMENT IS BELOW THE 65-DECIBEL THRESHOLD AT THE PROPERTY LINE. THE INVERSE SQUARE LAW WAS USED TO CALCULATE THE ESTIMATED SOUND LEVELS AT THE PROPERTY

$I_2/I_1 = [D_1/D_2]^2$

CUMULATIVE NOISE LEVELS ARE NOT LINEARLY ADDITIVE. ACCORDING TO DOCUMENTATION BY THE JOHNS HOPKINS BLOOMBERG SCHOOL OF PUBLIC HEALTH, CUMULATIVE SOUND LEVELS FROM MULTIPLE POINT SOURCES CAN BE CALCULATED USING THE FOLLOWING FORMULA:

 $SPLt = 10 * \log \left[\sum_{i=1}^{n} 10^{\frac{SPLL}{10}} \right]$

USING THIS FORMULA, CUMULATIVE NOISE LEVELS AT THE PROPERTY LINE ARE ESTIMATED TO REMAIN BELOW THE 65 dBA THRESHOLD.

LEGEND

PROPERTY LINE EASEMENT/SETBACK LINE LOCATION OF NOISE GENERATING EQUIPMENT. SEE SPREADSHEET.





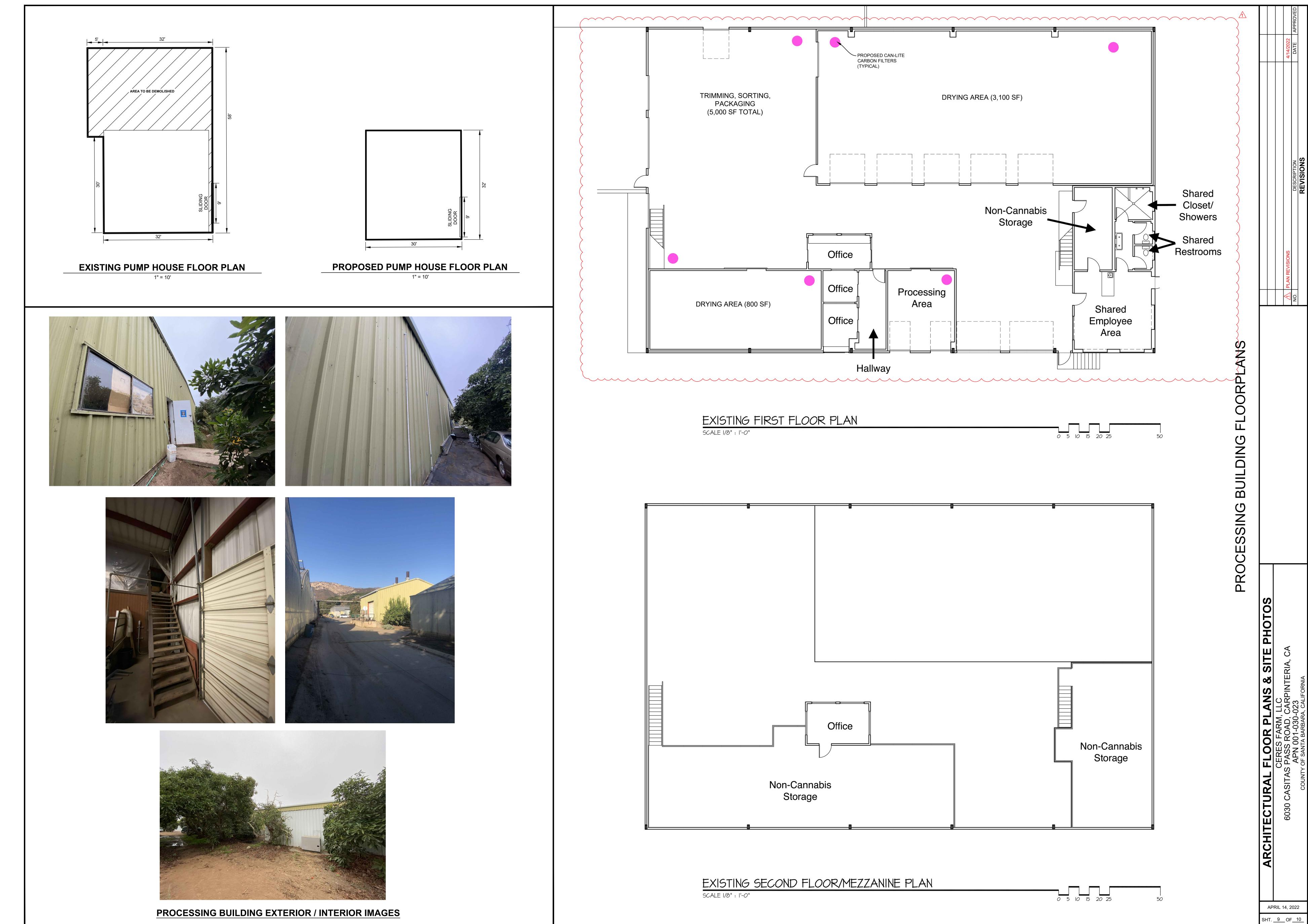


EXAMPLE OF FOGCO / BENZACO PUMP SYSTEM WITH CONTROL PANEL

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