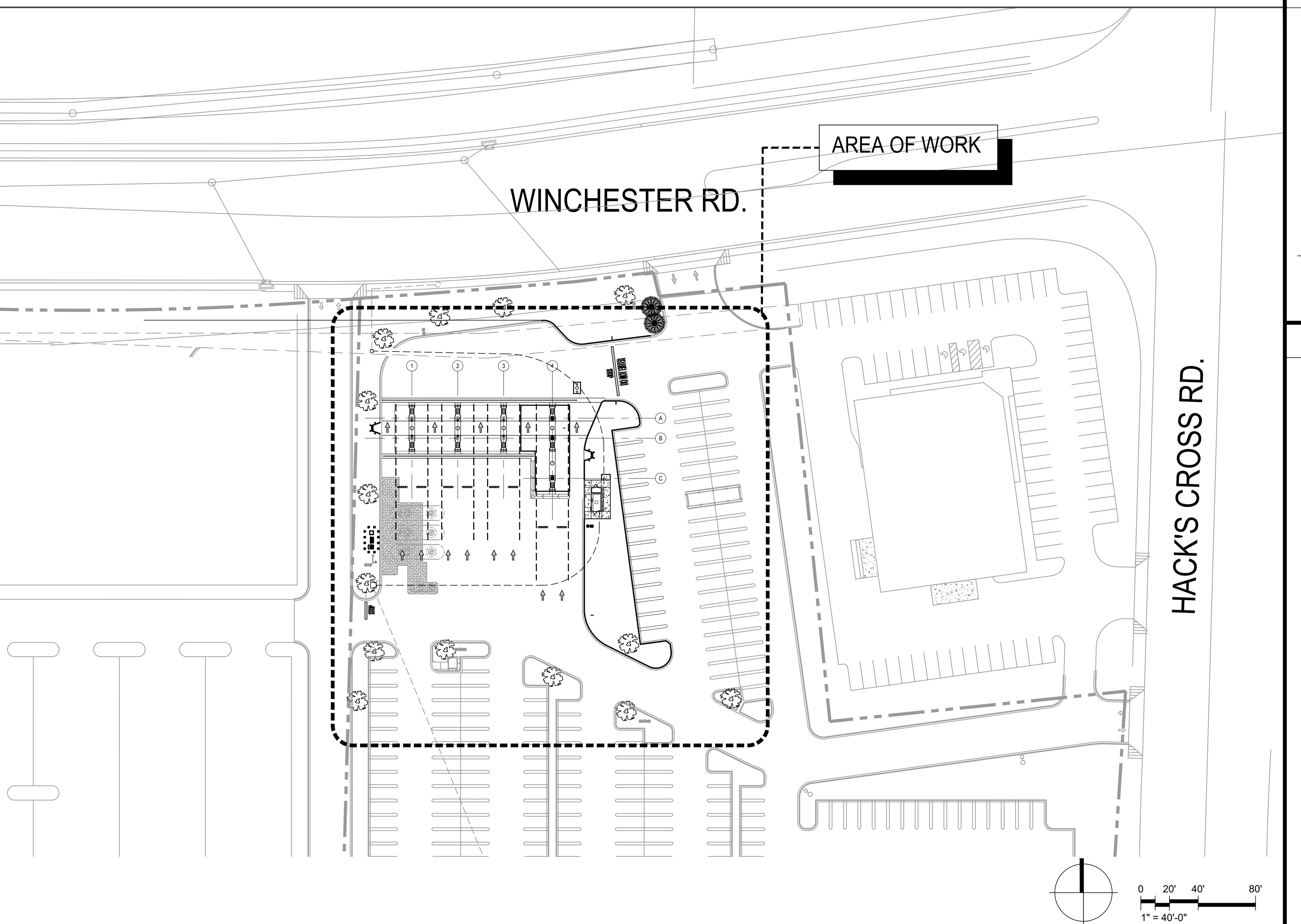
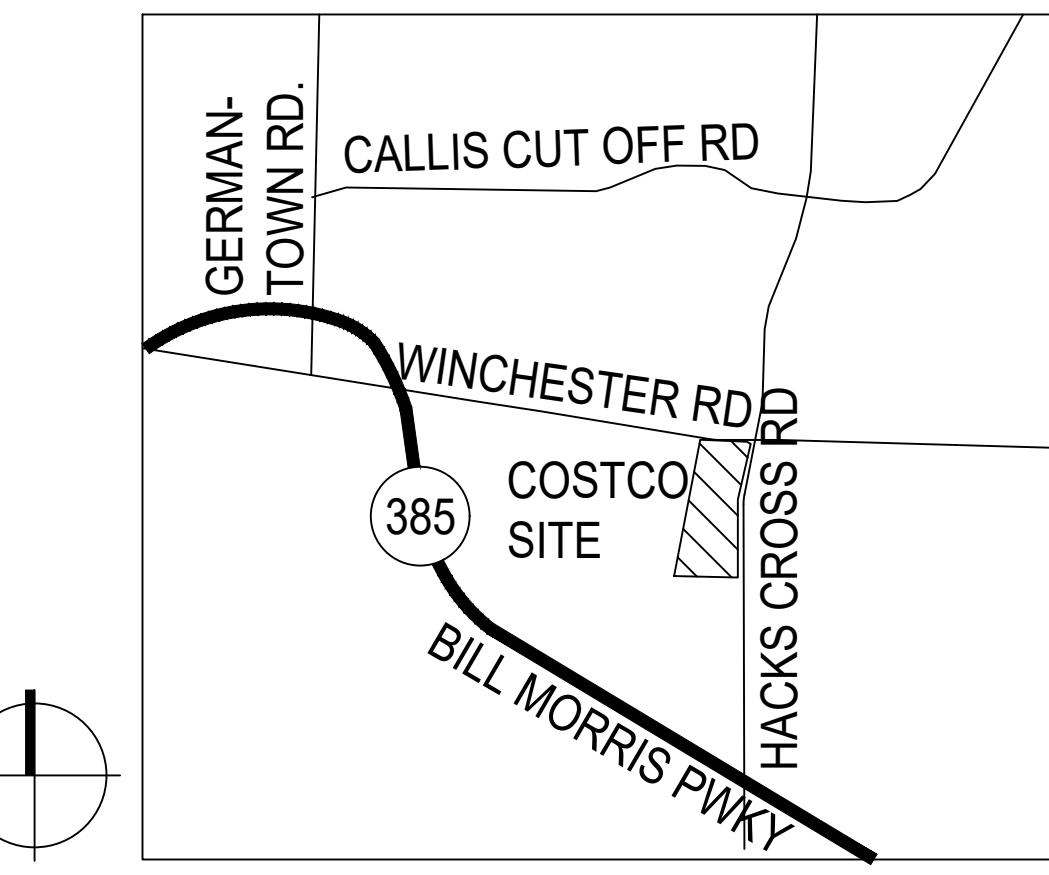


COSTCO WHOLESALE FUEL FACILITY
3771 HACKS CROSS ROAD
M E M P H I S , T N 38125

LOCATION MAP - SITE PLAN



VICINITY MAP



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PROJECT DIRECTORY

OWNER	COSTCO WHOLESALE CORPORATION 730 LAKE DRIVE ISSAQAH, WA 98027 t: 425.313.8100
ARCHITECT	MG2 CORPORATION 8444 WESTPARK DRIVE, SUITE 120 MCLEAN, VA 22102 t: 703.564.8406 f: 703.564.8400 PROJECT MANAGER: AGNES VINCENT
CIVIL ENGINEER AND SURVEYOR	AEC 50 WARM SPRINGS CIRCLE SUITE 110 ROSENDALE, GA 30075 t: 678.990.2408
GEOTECHNICAL ENGINEER	TERRACON CONSULTANTS, INC. 4840 ROYAL DRIVE, SUITE 100 KENNESAW, GA 30014 t: 770.023.0755
LANDSCAPE ARCHITECT	AEC 50 WARM SPRINGS CIRCLE SUITE 110 ROSENDALE, GA 30075 t: 678.990.2408
STRUCTURAL ENGINEER	GSD 7337 N. FIRST ST., SUITE 110 FRESNO, CA 93720 t: 559.435.1411 f: 559.435.1169
TANK/ELECTRICAL/ENGINEER	BARSCHUEN CONSULTING ENGINEERS, INC. 1821 72nd AVENUE SOUTH KENT, WA 98032 t: 425.251.6222 f: 425.251.8782

CODE ANALYSIS

GOVERNING BUILDING CODE:	2021 INTERNATIONAL BUILDING CODE W/ LOCAL AMENDMENTS 2021 INTERNATIONAL MECHANICAL CODE W/ LOCAL AMENDMENTS 2021 FUEL GAS CODE W/ LOCAL AMENDMENTS 2020 NATIONAL ELECTRIC CODE W/ LOCAL AMENDMENTS 2021 INTERNATIONAL PLUMBING CODE W/ LOCAL AMENDMENTS 2021 INTERNATIONAL ENERGY CONSERVATION CODE W/ LOCAL AMENDMENTS
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OCCUPANCY GROUP:
CONSTRUCTION TYPE:
FUEL CANOPY AREA:
FUEL CANOPY HEIGHT:

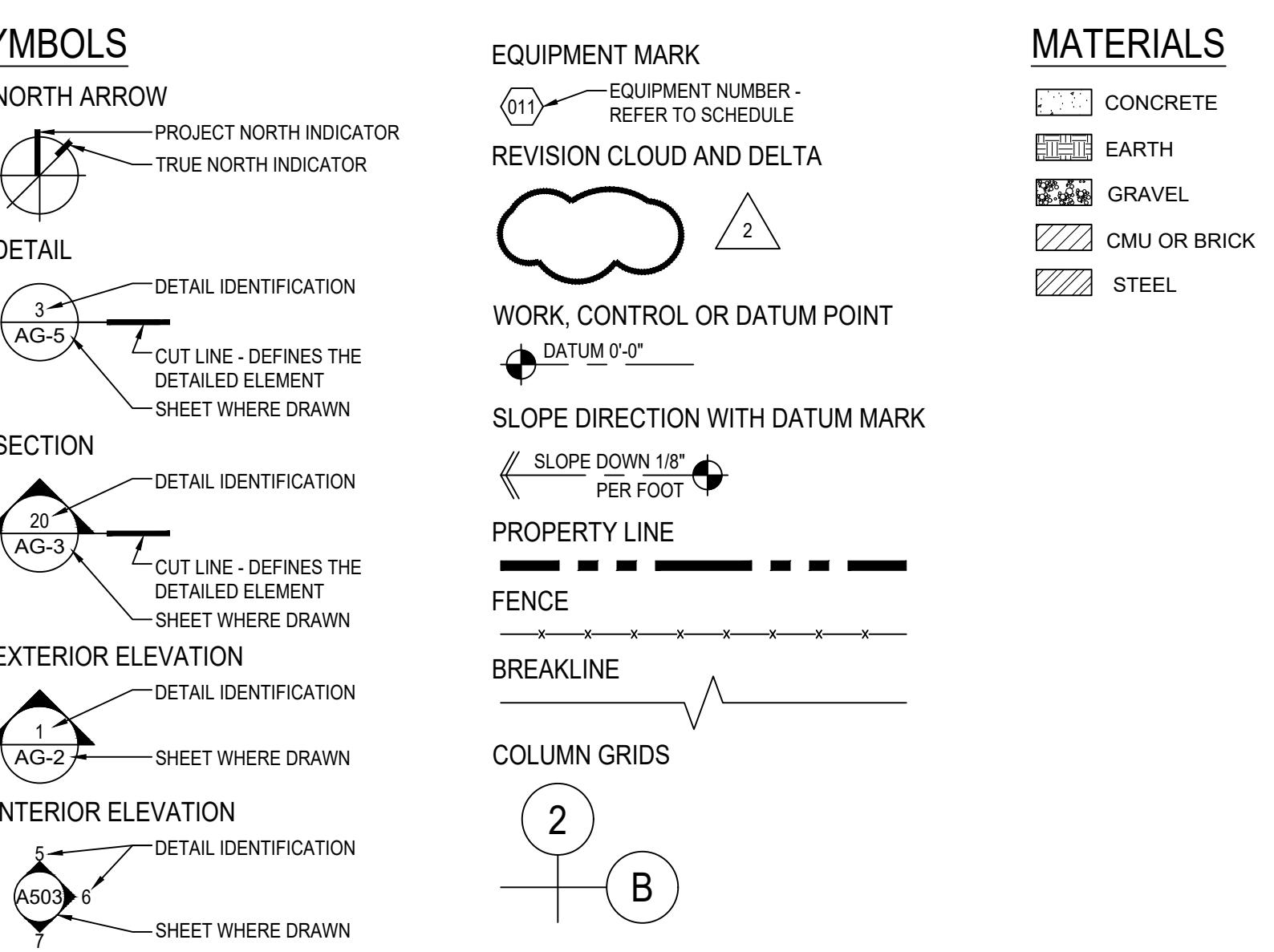
M
II B (NOT RATED)
4.576 SQ FT
17'-6" TO TOP OF CANOPY

FOR ADDITIONAL ABBREVIATIONS:
SEE OTHER DESIGN DISCIPLINES

ARCHITECTURAL ABBREVIATIONS

ADJ	ADJUSTABLE, ADJACENT	E	EXISTING	MTL	METAL	REQ'D	REQUIRED
ALUM	ALUMINUM	ENCL	ENCLOSURE	MFG	MANUFACTURING	SCHED	SCHEDULE
APPROX	APPROXIMATE	EQ	EQUAL	MFR	MANUFACTURER	SHT	SHEET
BD	BOARD	ETC	ET CETERA	MH	MANHOLE	SIM	SIMILAR
BK	BLOCK	EXH	EXHAUST	MIS	MISCELLANEOUS	SUPPLY	SUPPLIED & INSTALLED BY OWNER
BLK/G	BLOCKING	EXP	EXPANSION	MR	MOISTURE RESISTANT	SU	SUPPLIED & INSTALLED BY VENDOR
BTWN	BETWEEN	EXT	EXTERIOR	MTD	MOUNTED	SPEC'D	SPECIFIED
CB	CATCH BASIN	FD	FLOOR DRAIN	MTG	MOUNTING	STD	STANDARD
CI	CAST IRON	FL	FLOOR	NOM	NOMINAL	STL	STEEL
CIP	CAST IN PLACE	FIN	FINISH	NTS	NOT TO SCALE	STRUCT	STRUCTURE, STRUCTURAL
CJ	CONSTRUCTION JOINT	FT	FEET	OA	OVERALL	T&E	TANK & ELECTRICAL
CLR	CLEARANCE	FTG	FOOTING	OC	ON CENTER	TOS	TOP OF STEEL
CMU	CONCRETE MASONRY UNIT	GC	GENERAL CONTRACTOR	OPR	OPERATION	TOP	TOP OF
COL	COLUMN	HC	HANDICAPPED	OPG	OPENING	TS	TOP OF STEEL
CONC	CONCRETE	HORIZ	HORIZONTAL	OPP	OPPOSITE	TS	TOP OF STEEL
CONT	CONTINUOUS	HT	HEIGHT	PVC	POLYVINYL CHLORIDE	TYPE	TYPE
CORSTR	CONSTRUCTION	HTR	HISTER	PROJ	PROJECT	UL	UNITED LABORATORIES
CORP	CORPORATION	IBC	INTERNATIONAL BLDG CODE	PRV	PRESSURE REDUCING VALVE	UTIL	UTILITY
DBL	DOUBLE	INSUL	INSULATION	PT	POINT	UNO	UNLESS NOTED OTHERWISE
DIA	DIAMETER	INT	INTERIOR	QTR	QUARTER	UNSCHED	UNSCHEDED
DIM	DIMENSION	JTRS	JOINTS	R	RADIUS	VERT	VERTICAL
DTL	DETAIL	LCD	LIQUID CRYSTAL DISPLAY	RCP	REFLECTED CEILING PLAN	VERIFY	VERIFY IN FIELD
DS	DOWNSPOUT	LF	LINEAR FOOT, LINEAL FOOT	RD	REFUGEE DRAIN	WHSE	WAREHOUSE
DWG	DRAWING	LIQ	LIQUID	RF	ROLLED FORMED	W	WIDTH
EA	EACH	MAS	MASONRY	RL	ROLL LEADER	W/H	WITHOUT
ELEC	ELECTRICAL	MAX	MAXIMUM	REC'D	RECEIVED	W/O	WITHOUT WINDOW
ELEV	ELEVATION	MBS	MATERIALS	REINF	REINFORCING	WP	WATERPROOF
		Mechanical		WR	WATER RESISTANT		

ARCHITECTURAL SYMBOLS



LEGAL DESCRIPTION

THE FOLLOWING DESCRIBED REAL PROPERTY IS SITUATED IN THE CITY OF S.E. MEMPHIS, SHELBY COUNTY, STATE OF TENNESSEE.
1. ZONING:
2. SETBACKS:
FRONT: 24 FT REAR: NONE SIDE: 20 FT
3. SITE AREA: 1.24 ACRES (620,460 S.F.)
4. LOT COVERAGE ALLOWED: 100%
5. LANDSCAPING REQUIRED: YES, SEE CIVIL
6. EXISTING BUILDING AREA: BUILDING FOOTPRINT AREA: 149,448 SQ FT
7. PARKING PROVIDED: 498 PARKING SPACES REQ'D
8. PARKING PROVIDED:
EXISTING PARKING: 709 STALLS DELETED PARKING: 36 STALLS TOTAL: 683 STALLS
PARKING RATIO: 1/300 SQ FT
683 STALLS (15 ACCESSIBLE STALLS)

FUELING FACILITY EXPANSION:

THE SCOPE OF WORK INCLUDES ADDING THREE (3) NEW ISLANDS WITH ONE DOUBLE SIDED FUEL DISPENSER EACH, ALLOWING FOR SIX (6) ADDITIONAL AUTOMOBILE FUELING POSITIONS, REMOVING AND REPLACING THE EXISTING (6) DISPENSERS, ENLARGING THE EXISTING CANOPY BY 1,696 SQUARE FEET, AND CURBS, CONCRETE, ASPHALT AND LANDSCAPE REVISIONS. THE EXISTING CONTROLLER ENCLOSURE WILL BE DEMOLISHED AND A NEW ONE WILL BE PROVIDED.

THE NINE (9) NEW DISPENSERS WILL BE INTEGRATED INTO THE COMPUTERIZED CONTROLLER, WHICH RUNS THE PAYMENT, PUMPING AND MONITORING SYSTEMS. FUEL IS STORED IN THREE (3) EXISTING DOUBLE WALLED, FIBERGLASS UNDERGROUND STORAGE TANKS.

THE NEW CONTROL / MONITORING SYSTEM WILL INCLUDE AN ALARM TIED INTO THE OWNER'S CONTRACTED 24 HOUR MONITORING SERVICE COMPANY. THE CONTINUOUS LEAK DETECTION SYSTEM WILL AUTOMATICALLY CHECK FOR FLUID LEAKS AND AUTOMATICALLY WILL STOP THE FLOW OF GASOLINE IN THE EVENT OF AN ALARM CONDITION.

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DATE DESCRIPTION
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03/05/24 ISSUE FOR BID
98-150-19 PM: AGNES VINCENT
DRAWN: AV
AUGUST 08, 2023

TITLE SHEET

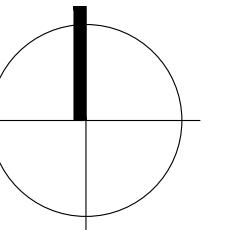
TSG-1

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Westpark Dr, Ste 120
n, VA 22102
4 8484
om

BID



8' 16' 32'

6" = 1'-0"

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- 4 PERMIT SET
- 4 ISSUE FOR BID

0-19
AGNES VINCENT
N: AV
ST 08, 2023

KEYNOTES

GENERAL NOTES

- A. ALL WORK, MATERIALS METHODS, ETC SHALL CONFORM TO ALL GOVERNING BUILDING CODES, REGULATIONS AND AGENCIES.
 - B. PROVIDE PEDESTRIAN OR VEHICULAR PROTECTION BARRICADES, TEMPORARY GUARD RAILS AND/OR CANOPIES AS REQUIRED BY THE LOCAL AUTHORITIES OR AS NECESSARY FOR PEDESTRIAN AND VEHICULAR SAFETY.
 - C. THE DEVELOPER'S NAME, ADDRESS AND PHONE NUMBER TO BE CONSPICUOUSLY POSTED AT THE CONSTRUCTION SITE DURING ALL PHASES OF CONSTRUCTION.
 - D. ITEMS NOTED AS EXISTING TO REMAIN. CONTRACTOR SHALL REPAIR AND/OR REPLACE, AT CONTRACTOR'S EXPENSE, ANY EXISTING FACILITIES TO REMAIN THAT ARE DAMAGED BY CONTRACTOR'S OPERATIONS.
 - E. ALL PAVING OR CONCRETE THAT IS DESTROYED OR REMOVED AS A RESULT OF CONSTRUCTION SHALL BE REPLACED OR PATCHED BY THE GC IN A MANNER THAT MATCHES OR IMPROVES THE CONDITION OF THE EXISTING PAVING. SAWCUT ALL PAVEMENT EDGES PRIOR TO INSTALLING ADJACENT PAVEMENT. DOWEL CONCRETE SURFACES WITH #4 DOWELS AT 18" OC.
 - F. VERIFY DIMENSIONS, LINES, GRADES, ELEVATIONS, AND SITE CONDITIONS PRIOR TO COMMENCING WORK. NOTIFY ARCHITECT PROJECT MANAGER IMMEDIATELY OF ANY DISCREPANCIES.
 - G. CONTRACTOR SHALL TAKE ADEQUATE PROTECTIVE MEASURES AND EXERCISE EXTREME CAUTION WHEN BORING OR TRENCHING SITE IN ORDER TO AVOID DAMAGING EXISTING UNDERGROUND UTILITIES. ANY DAMAGE TO EXISTING UNDERGROUND UTILITIES SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
 - H. SEE CIVIL DRAWINGS FOR GRADING AND DRAINAGE INFORMATION. NO CLEAN-OUTS TO BE LOCATED IN THE UNDER CANOPY SLAB.
 - I. SEE LANDSCAPE DRAWINGS FOR PLANTING AND IRRIGATION INFORMATION.
 - J. SEE SHEET AG-2, AG-4 AND AG-6 FOR CANOPY ELEVATIONS, CANOPY REFLECTED CEILING PLAN, SIGN DETAILS, AND CANOPY MATERIALS.
 - K. SEE ELECTRICAL DRAWINGS FOR SITE ELECTRICAL.
 - L. ALL ELECTRICAL CONDUIT OR CABLE, WHERE SUBJECT TO VEHICULAR TRAFFIC SHALL HAVE A MINIMUM OF 16" COVER.
 - M. SEE TANK AND ELECTRICAL DRAWINGS FOR FUEL PIPING RUNS AND ELECTRICAL CONDUIT RUNS FOR UNDERGROUND STORAGE TANKS, DISPENSERS, LIGHT FIXTURES AND SECURITY CAMERAS. ALL ELECTRICAL RUNS ARE SHOWN SCHEMATICALLY. THE BEST CONNECTION ROUTE SHOULD BE DETERMINED IN THE FIELD AND INSTALLED PER NATIONAL, STATE AND LOCAL CODE REQUIREMENTS.
 - N. A CLEARLY LABELED MANUALLY OPERATED EMERGENCY SHUT-OFF SWITCH SHALL BE PROVIDED IN AN APPROVED LOCATION, WITHIN SEVENTY-FIVE (75) FEET OF, BUT NOT NEARER THAN TWENTY-FIVE (17) FEET TO ANY DISPENSER.
 - O. SIGNS IDENTIFYING THE EMERGENCY SHUT-OFF SWITCH SHALL BE LABELED EMERGENCY SHUTOFF.
 - P. A FIRE EXTINGUISHER WITH A MINIMUM CLASSIFICATION OF 2A29BC SHALL BE PROVIDED AND SO LOCATED TO NOT BE MORE THAN SEVENTY-FIVE (75) FEET FROM ANY PUMP, DISPENSER, OR FILL-PIPE OPENING. LOCATE PER FIRE DEPARTMENT REQUIREMENTS.

FIELD VERIFICATION AND COORDINATION:

 - 1. SURVEY DIMENSIONS: DIMENSIONS OF SITE CONDITIONS ARE FROM SURVEY BY OTHERS. THE ARCHITECT BEARS NO RESPONSIBILITY FOR ACCURACY OF SAME.
 - 2. EXISTING UTILITY LOCATION: THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF THE SIZE AND LOCATION OF ALL EXISTING UNDERGROUND AND ABOVE GROUND UTILITIES. EXISTING UTILITIES SHOWN HAVE BEEN OBTAINED FROM AVAILABLE RECORDS AND ARE SHOWN FOR CONVENIENCE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL UTILITY LOCATIONS NOT SHOWN. CARE SHOULD BE TAKEN TO AVOID DAMAGE OR DISTURBANCE TO EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO THE UTILITY.

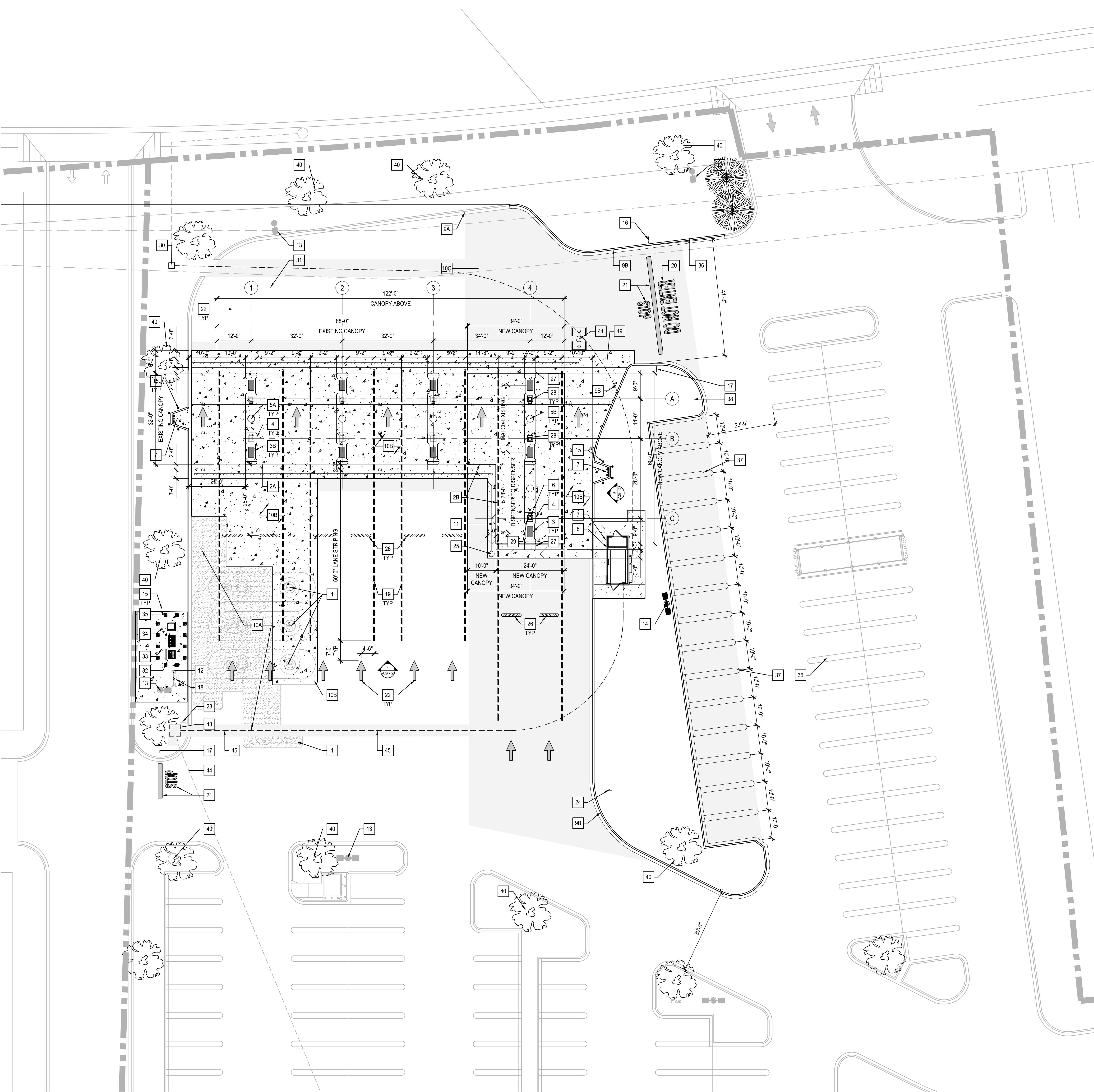
LEGEND

- JCGI NOTES:

 - 1) SJ HAVE BEEN RELOCATED TO END OF ISLAND FORMS
 - 2) SJ ADDED AT TANK SLAB NEED TO BE AT A MINIMUM OF 2' FROM MAN WAY LIDS TO AVOID SAW-CUTS IN CONCRETE CROWN AT MAN-WAYS
 - 3) DIAGONAL CUTS HAVE BEEN ADDED TO ELIMINATE AS MANY DEAD-END SAW-CUTS AS POSSIBLE
 - 4) WHERE SAW CUT MEET CURB LINE TOOLED JOINTS OR SAW-CUTS NEED TO CARRY THROUGH TO ELIMINATE CRACKING AT CURBS

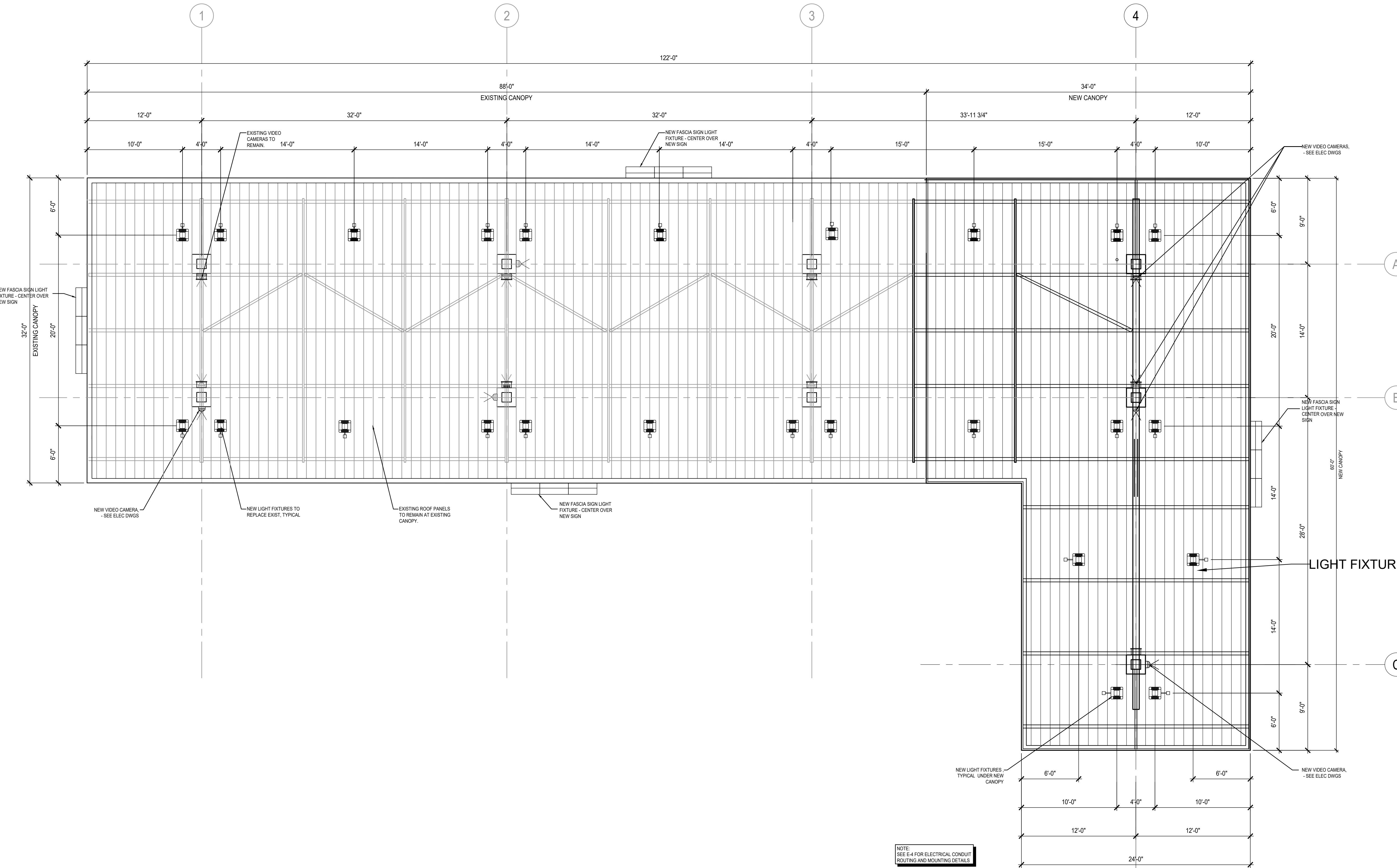
- NOTE:**
FOR FUEL FACILITY SIGNAGE,
SEE TABLE ON AG-2

- TANK AND FUELING CONCRETE
SLABS NOTE:
CJ - CONSTRUCTION JOINT,
SEE 16 / AG-6
SJ - SAW-CUT SHRINKAGE JOINT,
SEE 17 / AG-6



ENLARGED FUEL SITE PLAN

16 SCALE: 1/16"=1'-0"



LEGEND	
	LED LIGHT FIXTURE (SOIC) - SEE ELEC DWGS
	LED LIGHT FIXTURE, SECURITY (SOIC) - SEE ELEC DWGS
	VIDEO CAMERA (SIO) - SEE ELEC DWGS

REFLECTED CEILING PLAN NOTES:

- EXISTING CANOPY LIGHTS TO BE REMOVED AND REPLACED WITH NEW LIGHTS.
- EXISTING FASCIA SIGN LIGHT FIXTURE TO BE REMOVED AND REPLACED WITH NEW FIXTURE.
- REFER ELECTRICAL DRAWINGS FOR EXACT LOCATION AND TYPE OF ELECTRICAL FIXTURES.

DATE	DESCRIPTION
02/22/24	PERMIT SET
03/05/24	ISSUE FOR BID

CANOPY REFLECTED CEILING PLAN	
98-4150-19	PM: AGNES VINCENT DRAWN: AV AUGUST 8, 2023