



SITE ANALYSIS TABLE		
FUEL STATION ADDRESS	58501 TWENTY NINE PALMS HWY, YUCCA VALLEY, CA 92284	
EXISTING/PROPOSED ZONING	CG - GENERAL COMMERCIAL	
EXISTING/PROPOSED GENERAL PLAN DESIGNATION	(C) COMMERCIAL	
SPECIFIC PLAN IDENTIFICATION	YUCCA VALLEY RETAIL SP	
EXISTING LAND USE	GENERAL RETAIL MERCHANDISER	
PROPOSED LAND USE	GENERAL RETAIL MERCHANDISER/GAS STATION WITH CONVENIENCE STORE	
GROSS/PARCEL AREA	23.85 ACRES 1,038,691 S.F.	
NET AREA	22.91 ACRES 997,959 S.F.	
EXISTING WALMART BUILDING AREA	184,146 S.F.	
PROPOSED FUEL AREA OF DISTURBANCE	1.32 ACRES	
PROPOSED FUEL BUILDING AREA	1,556 S.F.	
PROPOSED TOTAL BUILDING AREA	185,702 S.F.	
	PARKING COUNT	PARKING RATIO
EXISTING TOTAL PARKING	906 SPACES	4.91/1,000 S.F.
EXISTING STANDARD STALLS	874 SPACES	---
EXISTING ADA STALLS	32 SPACES	---
EXISTING CART CORRAL STALLS*	44 SPACES	---
PROPOSED TOTAL PARKING	785 SPACES	4.26/1,000 S.F.
PROPOSED STANDARD STALLS	752 SPACES	---
PROPOSED ADA STALLS	33 SPACES	---
PROPOSED CART CORRAL SPACES*	44 SPACES	---
CITY REQ. PARKING	737 SPACES	1.00/250 S.F.
WALMART REQ. PARKING	737 SPACES	4.00/1,000 S.F.

NOTE:
 1. CART CORRAL OCCUPYING STALLS ARE REMOVED FROM ALL COUNTS AND DO NOT CONTRIBUTE TO THE PARKING RATIOS IN THE TABLE.

APN: 0601201540000

LEGAL DESCRIPTION:
 THAT PORTION OF THE NORTHWEST ONE-QUARTER OF THE NORTHWEST ONE-QUARTER OF SECTION 32, TOWNSHIP 1 NORTH, RANGE 6 EAST, SAN BERNARDINO MERIDIAN, IN THE CITY OF YUCCA VALLEY, COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, ACCORDING TO THE OFFICIAL PLAT THEREOF, LYING SOUTHEASTERLY AND SOUTHERLY OF THE SOUTHEASTERLY LINE OF 29 PALMS HIGHWAY CONVEYED TO THE STATE OF CALIFORNIA BY DEED RECORDED OCTOBER 13, 1916 IN BOOK 9031, PAGE 97 OF OFFICIAL RECORDS.

OWNER

WAL-MART STORES INC.
 MAIL STOP 0505
 702 SW 8TH STREET
 BENTONVILLE, AR 72716-5570
 479-871-7573

CIVIL ENGINEER

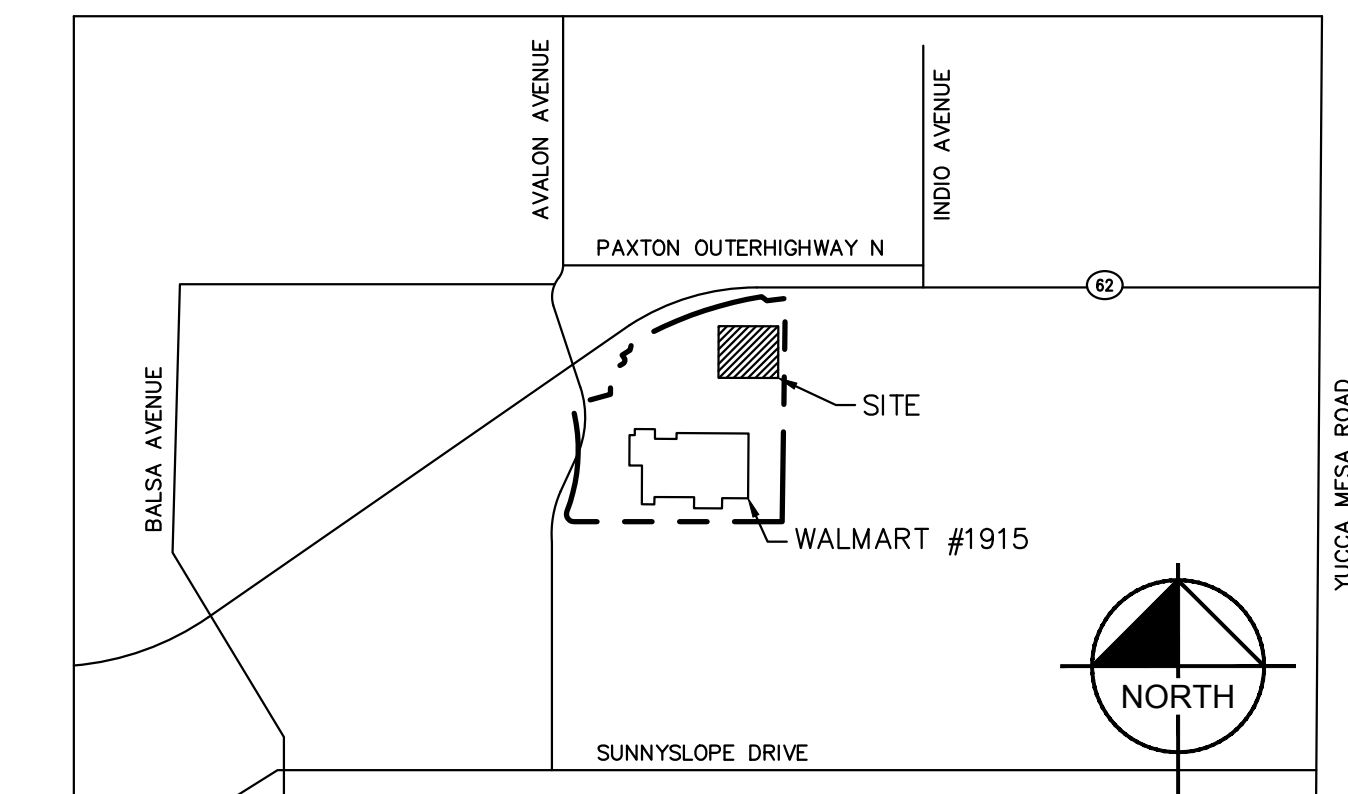
JACOB GLAZE, P.E.
 KIMLEY-HORN
 1100 TOWN AND COUNTRY ROAD
 ORANGE, CA 92868
 714-939-1030

APPLICANT

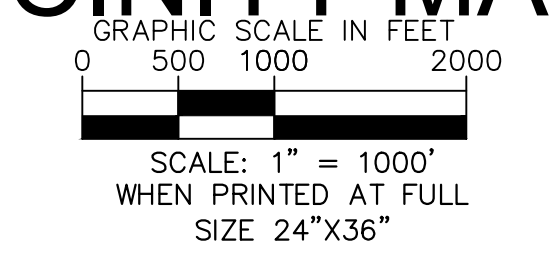
RYAN ALVAREZ P.E.
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 RYAN.ALVAREZ@KIMLEY-HORN.COM

LEGEND

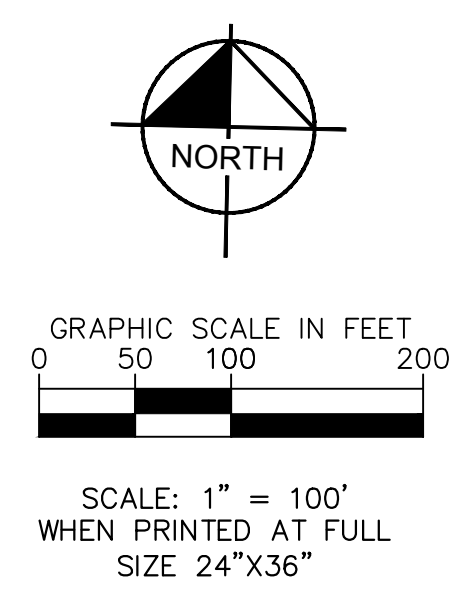
----- PROPERTY LINE



VICINITY MAP

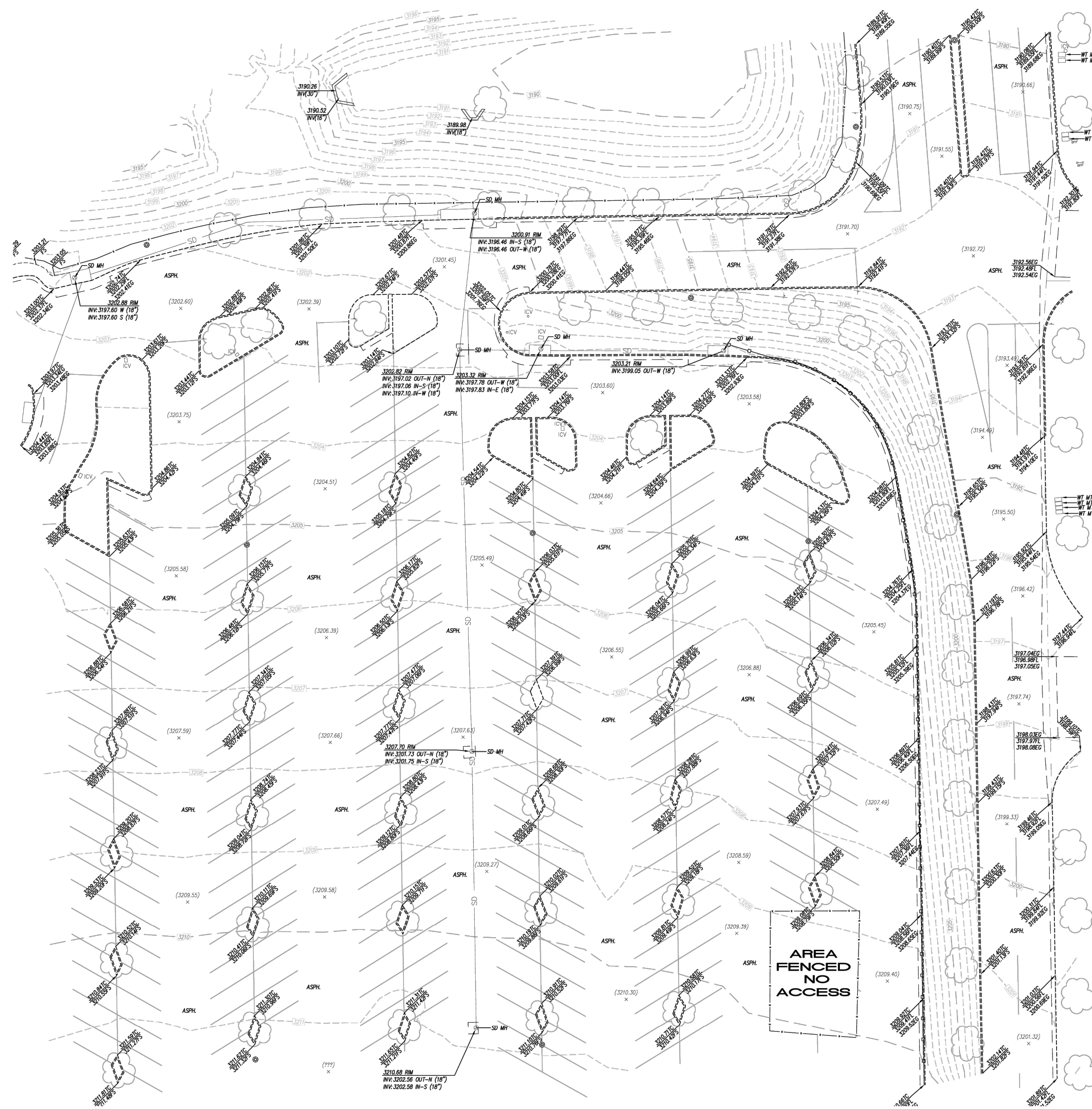


WALMART FUEL STATION - STORE #1915
58501 TWENTY NINE PALMS HWY., YUCCA VALLEY, CA 92284
DESIGN CIVIL SITE PLAN



TOPOGRAPHIC SURVEY

CITY OF YUCCA VALLEY, COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA



BASIS OF BEARINGS

THE COORDINATES SHOWN HEREON ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM OF 1983 (CCS83) ZONE 1, RELATIVE TO THE NORTH AMERICAN DATUM OF 1983 (2017.50 EPOCH GPS ADJUSTMENT), BASED ON STATIC GPS TIES TO TWO CONTIGUOUS GPS STATIONS (CGPS) REFERRED TO AS "CIMS" AND "TOSB", BEING NORTH 57°02'45" EAST BASED ON POSITIONS PUBLISHED IN THE CALIFORNIA SPATIAL REFERENCE CENTER.

ALL DISTANCES SHOWN ARE GROUND, UNLESS OTHERWISE NOTED. TO OBTAIN GRID, MULTIPLY GROUND DISTANCE BY A COMBINED FACTOR OF 0.9998312133.

BENCHMARK

NATIONAL GEODETIC SURVEY BENCHMARK POINT ID "EV3507"
 DESIGNATION: 62 1 4
 ELEVATION: 3172.51 FEET [DATUM: NAVD 88]
 DESCRIPTION: BENCHMARK DISC STAMPED "CA-071 62.1.4 1972"

LOCATION: 4.2 MILES EAST ALONG STATE HIGHWAY 62 FROM THE POST OFFICE AT YUCCA VALLEY, AT THE INTERSECTION OF HIGHWAY 62 AND INDO AVENUE, 106.5 FT. NORTH OF THE CENTER LINE OF THE WESTBOUND LANES OF HIGHWAY 62, 51 FT. WEST OF THE CENTER LINE OF INDO AVENUE, 35.5 FT. SOUTH OF THE SOUTHEAST CORNER OF DINOS ITALIAN INN, IN TOP OF NORTH CURB OF TWENTYNINE PALMS OUTER HIGHWAY.

SITE ADDRESS

WALMART SUPERCENTER - DEPARTMENT STORE
 58501 29 PALMS HIGHWAY, YUCCA VALLEY, CA 92284

DATE OF SURVEY

THE TOPOGRAPHIC SURVEY OF THE AREA SHOWN ON HIS PLAT WAS SURVEY ON MAY 14, 2024.

SURVEYOR'S NOTES

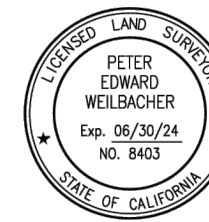
1. THE PURPOSE OF THIS SURVEY IS TO LOCATE AND PREPARE A TOPOGRAPHIC SURVEY OF THE AREA SHOWN AS SPECIFIED BY THE CLIENT.
2. LOCATION OF UTILITIES EXISTING ON OR SERVING THE SURVEYED PROPERTY AS DETERMINED BY OBSERVED EVIDENCE ONLY AND DOES NOT REPRESENT A COMPLETE REPRESENTATION OF UTILITIES.

SURVEYOR'S STATEMENT

I HEREBY STATE THAT I AM A LICENSED LAND SURVEYOR OF THE STATE OF CALIFORNIA, THAT THIS MAP CONSISTING OF 1 SHEET REPRESENTS A TRUE AND COMPLETE SURVEY MADE BY ME OR UNDER MY DIRECTION IN MAY, 2024.

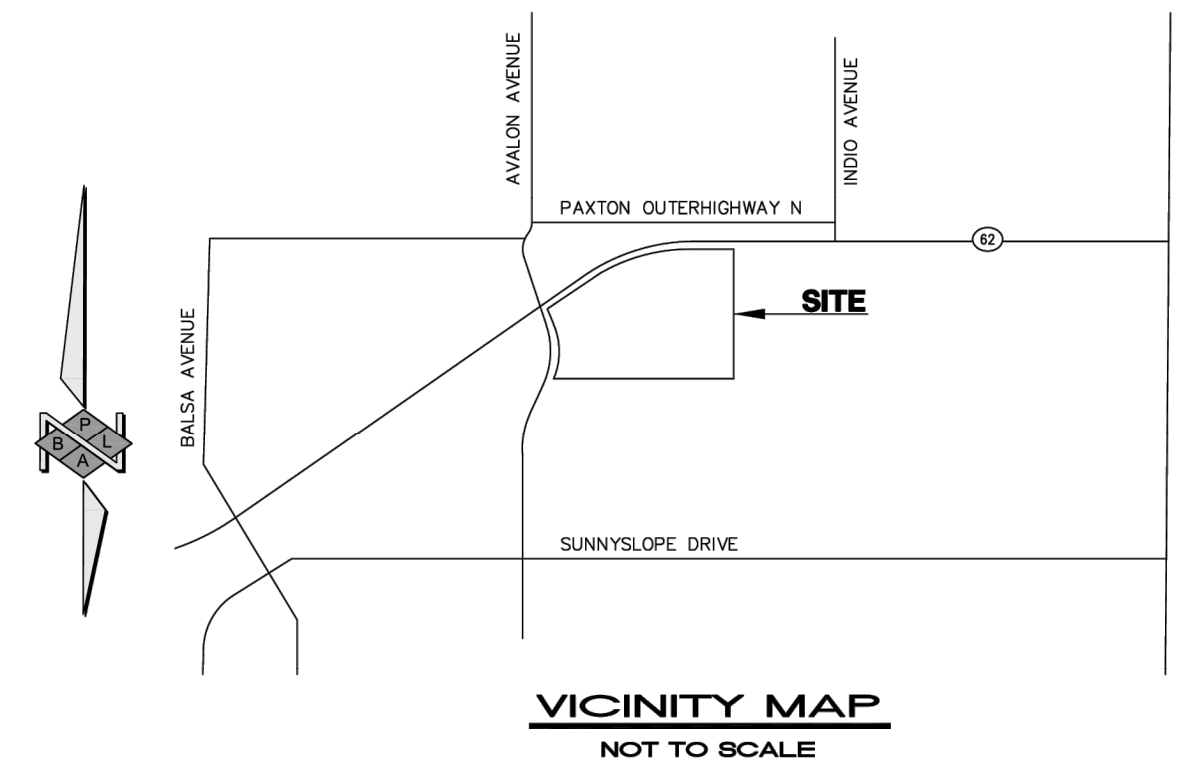
May 17 2024

PETER E. WEIBACHER, PLS 8403
 EXPIRES 06-30-24



LEGEND

---	CONCRETE	S	- SOUTH	WT FH	WATER FLOW
---	CURB	N	- NORTH	ICV HH	IRREGULAR CONTROL VALVE
---	LANE STRIPING	W	- WEST	WT BFP	WATER BENT
---	CHAIN LINK FENCE	E	- EAST	UTILITY MH	UTILITY MANHOLE
---	IRON FENCE	S1Y	- SOUTHERLY	SIGN	SIGN
---	GRADE BREAK LINE	N1Y	- NORTHERLY	TREE	TREE
---	CONCRETE SIDEWALK	W1Y	- WESTERLY	YARD LIGHT	YARD LIGHT
---	1 FOOT CONTOUR INTERVAL	E1Y	- EASTERLY		
---	5 FOOT CONTOUR INTERVAL				
---	UNDERGROUND STORM DRAIN				

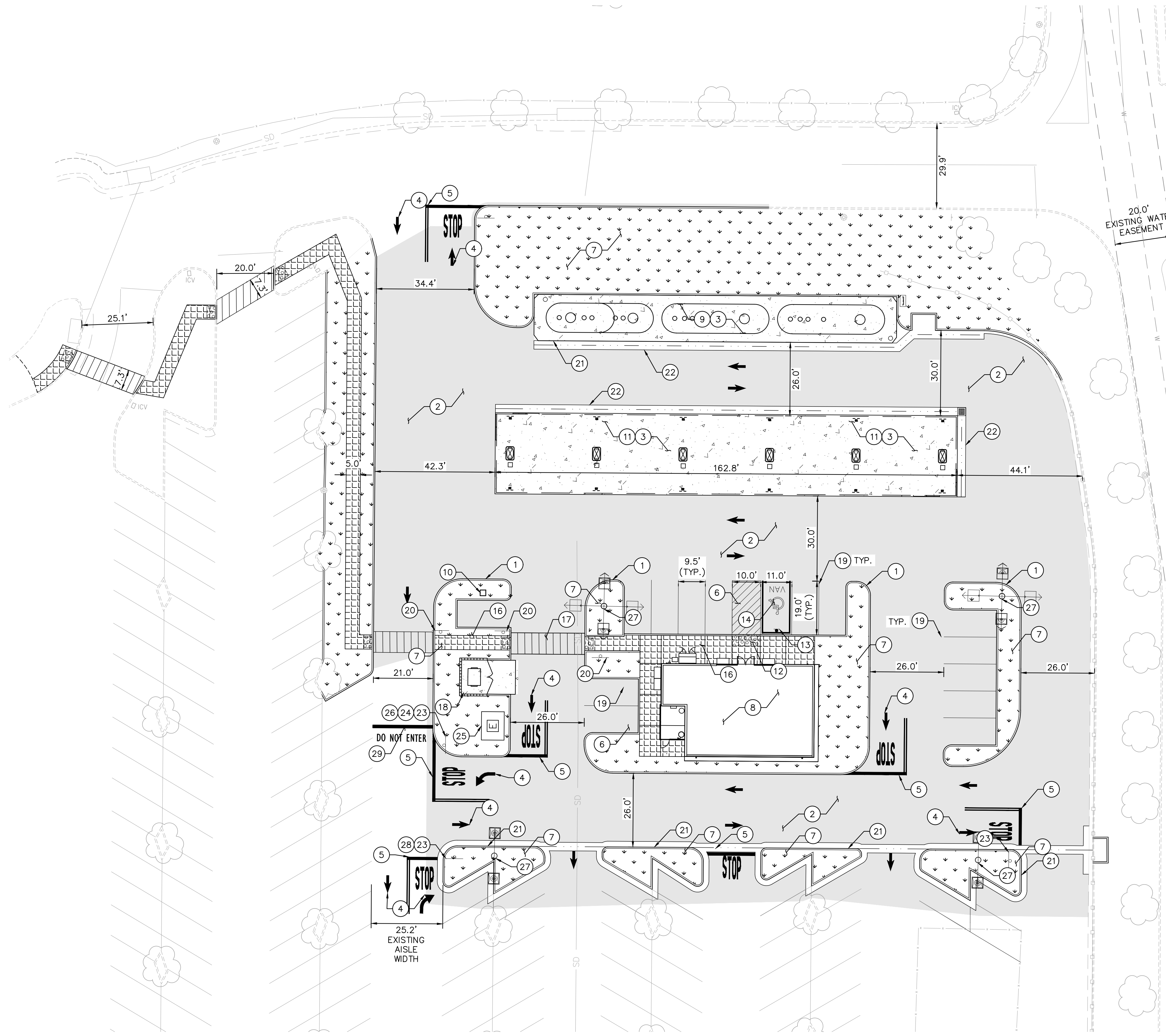


PREPARED FOR: Kimley»Horn <small>© 2024 KIMLEY-HORN AND ASSOCIATES, INC. 1100 W TOWN AND COUNTRY ROAD, SUITE 700, ORANGE, CA 92668 PHONE: 714-939-1030 WWW.KIMLEY-HORN.COM</small>	PREPARED BY: PBLA SURVEYING, INC. <small>Planning • Engineering • Surveying 901 CORPORATE CENTER DR., STE 168 POMONA, CALIF. 91768 (888) 714-9842 • (714) 888-9191 FAX</small>	DATE	BY	REVISION	APPD	JOB NO.
		05/16/2024	DH	FIRST RELEASE	PW	5001-972
						SH. 1 of 1

NOTE

THIS SURVEY INFORMATION WAS PROVIDED BY OTHERS AND IS INCLUDED FOR REFERENCE ONLY. THE DESIGN TEAM DID NOT PREPARE OR VERIFY THIS INFORMATION AND IS RELYING ON IT TO BE ACCURATE.

WALMART FUEL STATION - STORE #1915
58501 TWENTY NINE PALMS HWY, YUCCA VALLEY, CA 92284
SURVEY REFERENCE SHEET



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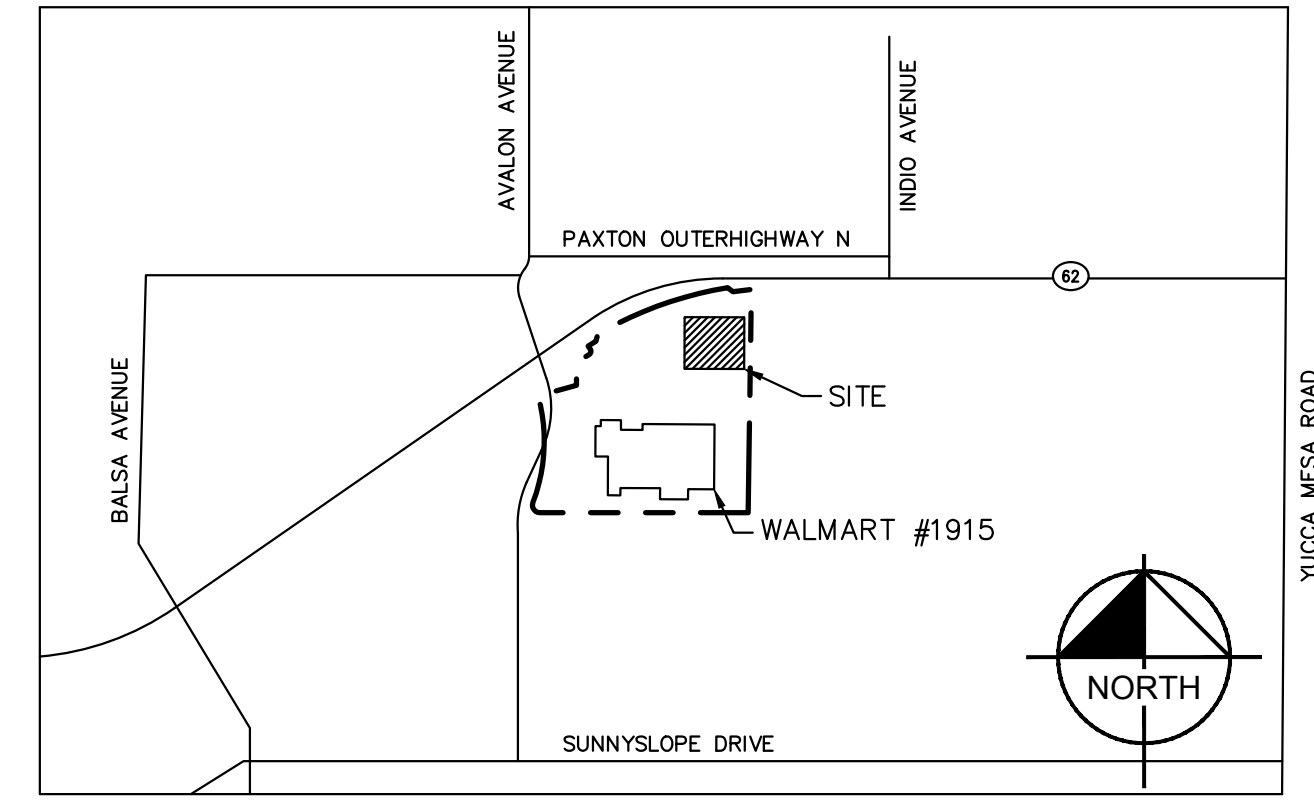
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APPLICANT
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LEGEND

	PROPERTY LINE
	HEAVY DUTY ASPHALT PAVING
	LANDSCAPING
	CONCRETE SIDEWALK
	CONCRETE PAVEMENT
	TRUNCATED DOMES

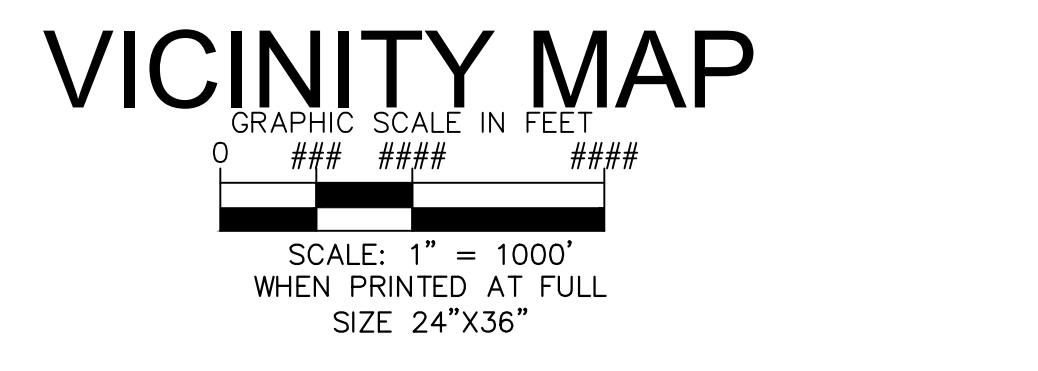
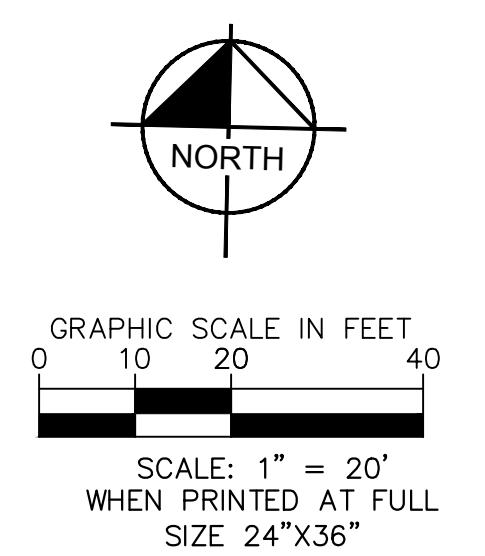
- ### CONSTRUCTION NOTES
- 1 PROPOSED CONCRETE CURB.
 - 2 PROPOSED HEAVY DUTY ASPHALT PAVEMENT.
 - 3 PROPOSED CONCRETE PAVEMENT.
 - 4 STRIPE DIRECTIONAL ARROW PAVEMENT MARKING.
 - 5 STRIPE STOP BAR PAVEMENT MARKING.
 - 6 STRIPE WHITE 4" STRIPE, 60 DEGREES, SPACED AT 36" O.C.
 - 7 PROPOSED LANDSCAPING.
 - 8 PROPOSED 1,440 SF CONVENIENCE STORE.
 - 9 PROPOSED UNDERGROUND GAS TANKS. ONE 20,000 GAL UNL. ONE 20,000 GAL SPLIT (12,000 UNL./8,000 PRM), AND ONE 20,000 GAL DSL.
 - 10 PROPOSED AIR STATION.
 - 11 PROPOSED CANOPY.
 - 12 PROPOSED TRUNCATED DOMES.
 - 13 PROPOSED VAN ACCESSIBLE PARKING SIGN ON POST.
 - 14 PROPOSED VAN ACCESSIBLE PARKING.
 - 15 PROPOSED PEDESTRIAN CROSSING SIGN ON POST AND BOLLARD.
 - 16 PROPOSED CONCRETE SIDEWALK.
 - 17 PROPOSED PATH OF TRAVEL STRIPING.
 - 18 PROPOSED TRASH ENCLOSURE.
 - 19 PROPOSED REGULAR PARKING.
 - 20 PROPOSED PEDESTRIAN CROSSING SIGN ON POST.
 - 21 PROPOSED CURB AND GUTTER.
 - 22 PROPOSED VALLEY GUTTER.
 - 23 PROPOSED STOP SIGN ON POST.
 - 24 PROPOSED SUPPLEMENTARY "CROSS TRAFFIC DOES NOT STOP" PLACARD.
 - 25 PROPOSED TRANSFORMER PAD SHOWN FOR REFERENCE ONLY
 - 26 PROPOSED SUPPLEMENTARY "LEFT TURN ONLY" PLACARD.
 - 27 PROPOSED LIGHT POLE BASE. SEE LIGHTING INFORMATION ON PHOTOMETRIC PLANS.
 - 28 PROPOSED SUPPLEMENTARY "NO THROUGH TRAFFIC" PLACARD.
 - 29 STRIPE "DO NOT ENTER" BAR PAVEMENT MARKING.

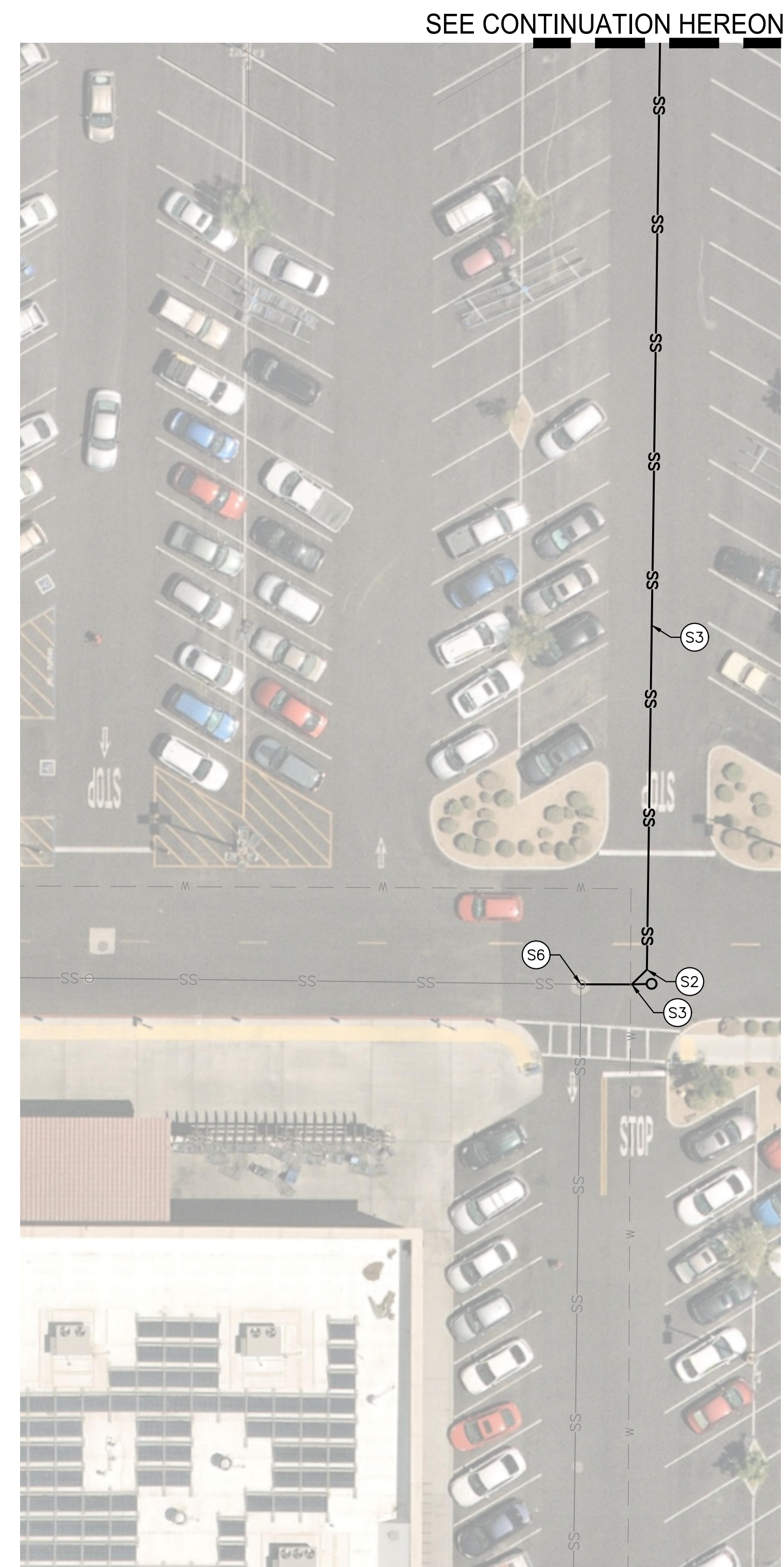
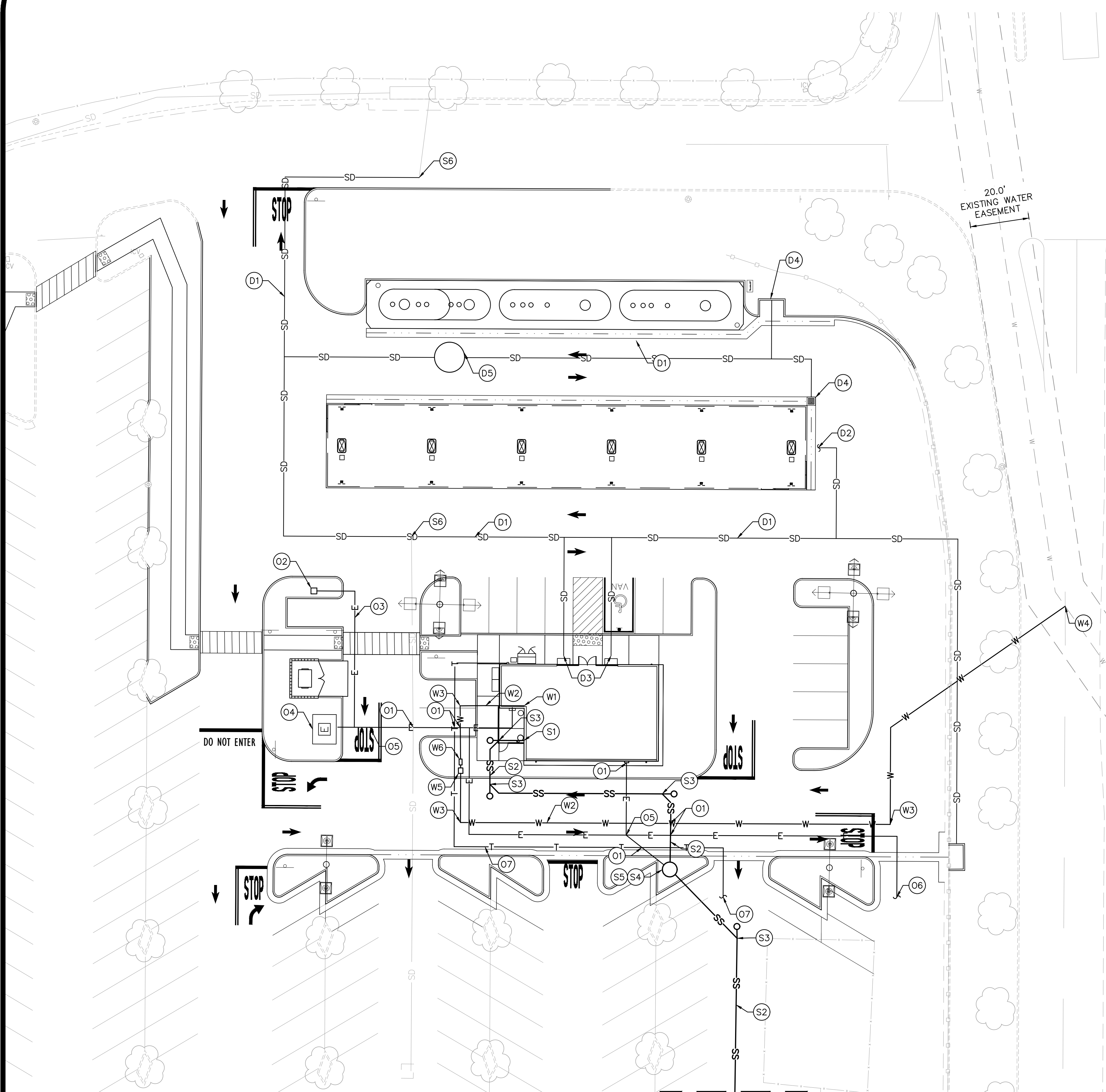


WALMART FUEL STATION - STORE #1915

58501 TWENTY NINE PALMS HWY., YUCCA VALLEY, CA 92284

DESIGN CIVIL SITE PLAN





UTILITY LEGEND

---	PROPERTY LINE
SD	EXISTING STORM DRAIN LINE
W	EXISTING WATER LINE
SS	EXISTING SANITARY LINE
E	EXISTING ELECTRIC LINE
W	PROPOSED WATER LINE
SS	PROPOSED SANITARY LINE
E	PROPOSED ELECTRIC LINE
SD	PROPOSED STORM DRAIN LINE
T	PROPOSED TELECOMMUNICATION LINE (FIBER OPTIC CABLE)

SEWER

- (S1) BUILDING POINT OF CONNECTION (5-FT FROM BUILDING FACE). REFER TO MEP PLANS FOR CONTINUATION.
- (S2) INSTALL 4" SDR-PVC SEWER LATERAL.
- (S3) INSTALL 4" SDR-PVC 45° BEND WITH SANITARY SEWER CLEANOUT.
- (S4) PROPOSED SANITARY SEWER MANHOLE.
- (S5) PROPOSED LIFT STATION. CONTRACTOR TO REQUEST DESIGN FLOW FROM MEP FOR DESIGN OF LIFT STATION AT TIME OF CONSTRUCTION.
- (S6) PROPOSED CONNECTION TO EXISTING PRIVATE SEWER LINE.

STORM DRAIN

- (D1) PROPOSED 8" STORM DRAIN PIPE.
- (D2) PROPOSED CONNECTION FOR CANOPY ROOF DRAINAGE.
- (D3) PROPOSED ROOF DRAIN CONNECTION.
- (D4) PROPOSED GRATE INLET CATCH BASIN.
- (D5) PROPOSED OIL WATER SEPARATOR
- (D6) POINT OF CONNECTION FOR STORM DRAIN.

DOMESTIC WATER

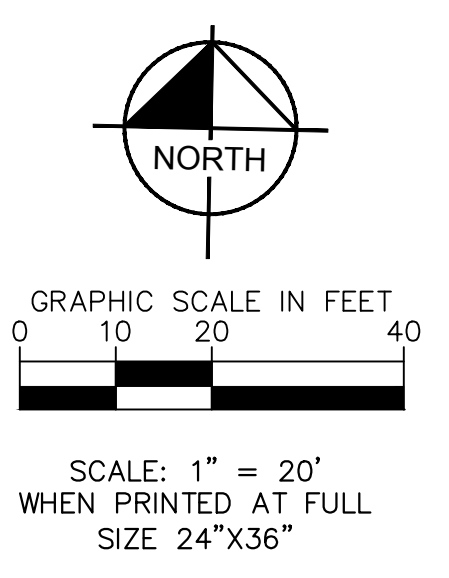
- (W1) 1.5" BUILDING POINT OF CONNECTION (5-FT FROM BUILDING FACE). REFER TO PLUMBING PLANS FOR CONTINUATION.
- (W2) INSTALL 1.5" SCHEDULE 40 DOMESTIC WATER PIPE.
- (W3) INSTALL 1.5" SCHEDULE 40 90° BEND.
- (W4) POINT OF CONNECTION FOR WATER LINE.
- (W5) PROPOSED 2.0" WATER METER. COORDINATE INSTALL WITH LOCAL PURVEYOR.
- (W6) PROPOSED 2.0" BACKFLOW PREVENTER. GENERAL CONTRACTOR SHALL RECEIVE BACKFLOW APPROVAL FROM WATER PURVEYOR PRIOR TO ORDERING BACKFLOW.

OTHER UTILITY NOTES

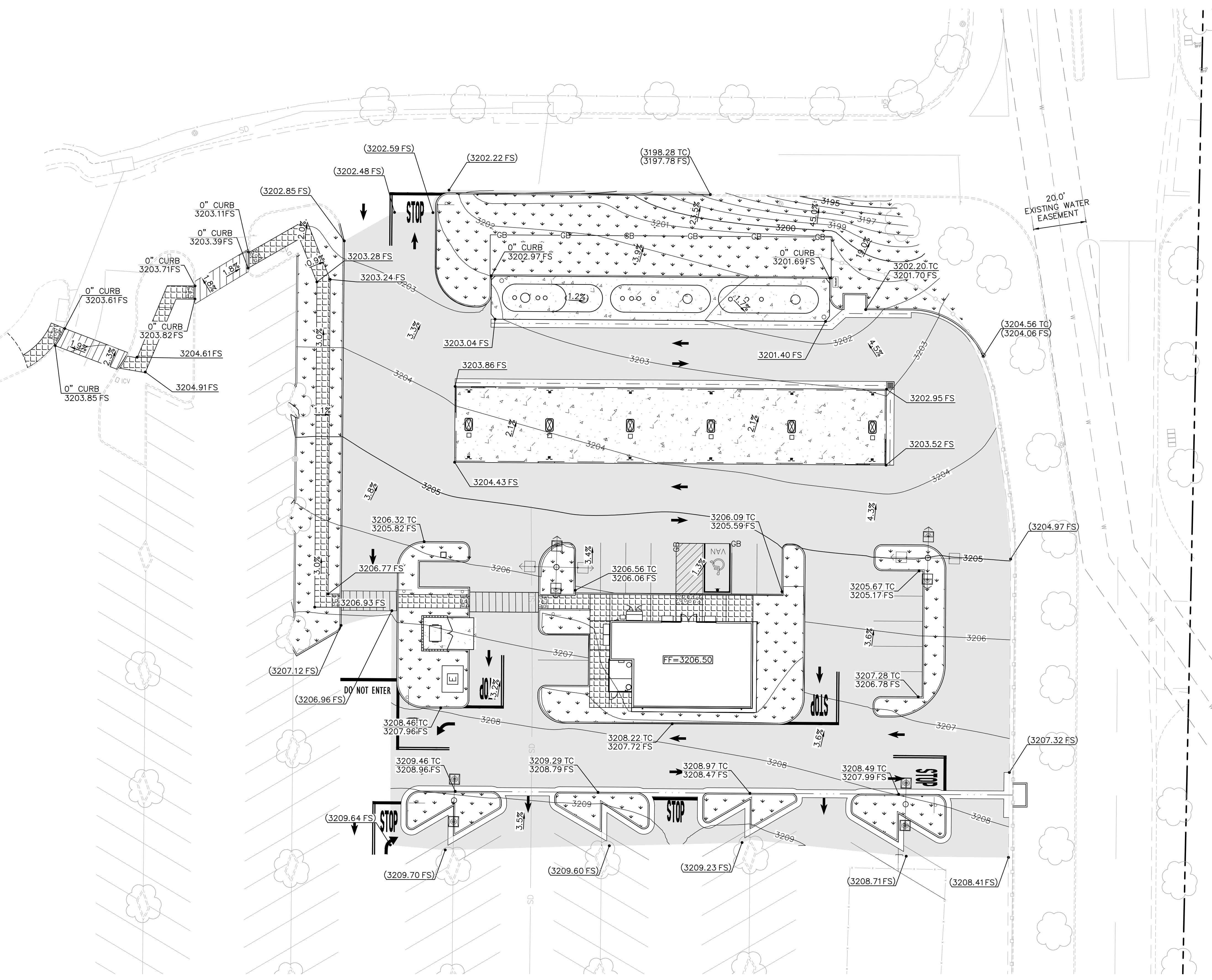
- (O1) PROPOSED UTILITY CROSSING.
- (O2) PROPOSED AIR/WATER PEDESTAL.
- (O3) 1" CONDUIT TO AIR/WATER PEDESTAL.
- (O4) PROPOSED TRANSFORMER.
- (O5) PROPOSED CONDUIT FOR 400 AMP ELECTRIC SERVICE. REFER TO UTILITY COMPANY PLAN/REQUIREMENTS FOR MORE INFORMATION.
- (O6) PROPOSED ELECTRIC CONDUIT TIE INTO EXISTING SERVICE.
- (O7) PROPOSED FIBER OPTIC CONDUIT 3" DIRECTIONAL BORE OR APPROVED EQUAL WITH PULL BOXES EVERY 300' TO EXISTING WALMART SUPERCENTER FROM CONVENIENCE STORE.
- (O8) PROPOSED EMERGENCY SHUT OFF FOR SEWER LIFT STATION.

SEE CONTINUATION HERE ON

WALMART FUEL STATION - STORE #1915
58501 TWENTY NINE PALMS HWY, YUCCA VALLEY, CA 92284
DESIGN CIVIL UTILITY PLAN



Kimley»Horn



LEGEND

	PROPERTY LINE
	HEAVY DUTY ASPHALT PAVING
	LANDSCAPING
	CONCRETE SIDEWALK
	CONCRETE PAVEMENT
	TRUNCATED DOMES
	PROPERTY LINE
	PROPOSED GRADE BREAK
	PROPOSED RIDGE LINE
	PROPOSED STORM DRAIN LINE
	EXISTING STORM DRAIN LINE
	FINISH FLOOR ELEVATION
	FLOWLINE
	LIP OF GUTTER
	TOP OF CURB
	FINISH SURFACE
	EXISTING GRADE
	PROPOSED GRADE
	PROPOSED SLOPE

APN: 0601201540000

LEGAL DESCRIPTION:
 THAT PORTION OF THE NORTHWEST ONE-QUARTER OF THE NORTHWEST ONE-QUARTER OF SECTION 32, TOWNSHIP 1 NORTH, RANGE 6 EAST, SAN BERNARDINO MERIDIAN, IN THE CITY OF YUCCA VALLEY, COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, ACCORDING TO THE OFFICIAL PLAT THEREOF, LYING SOUTHEASTERLY AND SOUTHERLY OF THE SOUTHEASTERLY LINE OF 29 PALMS HIGHWAY CONVEYED TO THE STATE OF CALIFORNIA BY DEED RECORDED OCTOBER 13, 1916 IN BOOK 9031, PAGE 97 OF OFFICIAL RECORDS.

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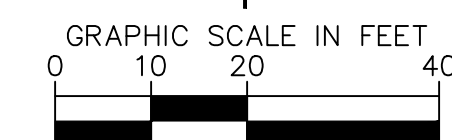
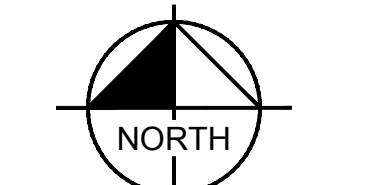
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TOPOGRAPHY SOURCE:

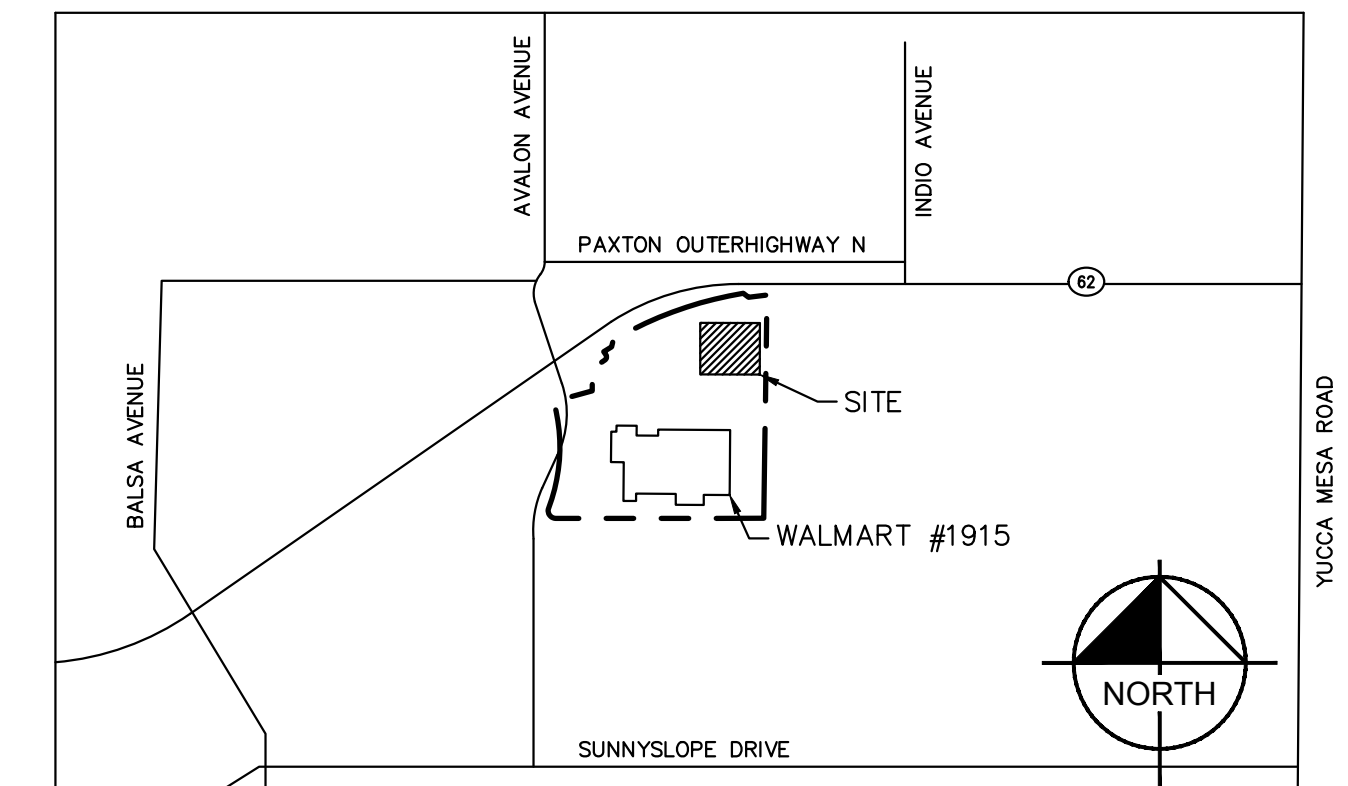
SEE SURVEY REFERENCE SHEET.
 DATE OF TOPOGRAPHIC SURVEY IS MAY 14, 2024.

EARTHWORK:

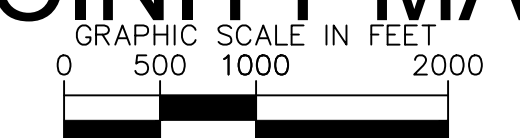
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 FILL: 28 CU. YD.



SCALE: 1" = 20'
 WHEN PRINTED AT FULL
 SIZE 24"x36"



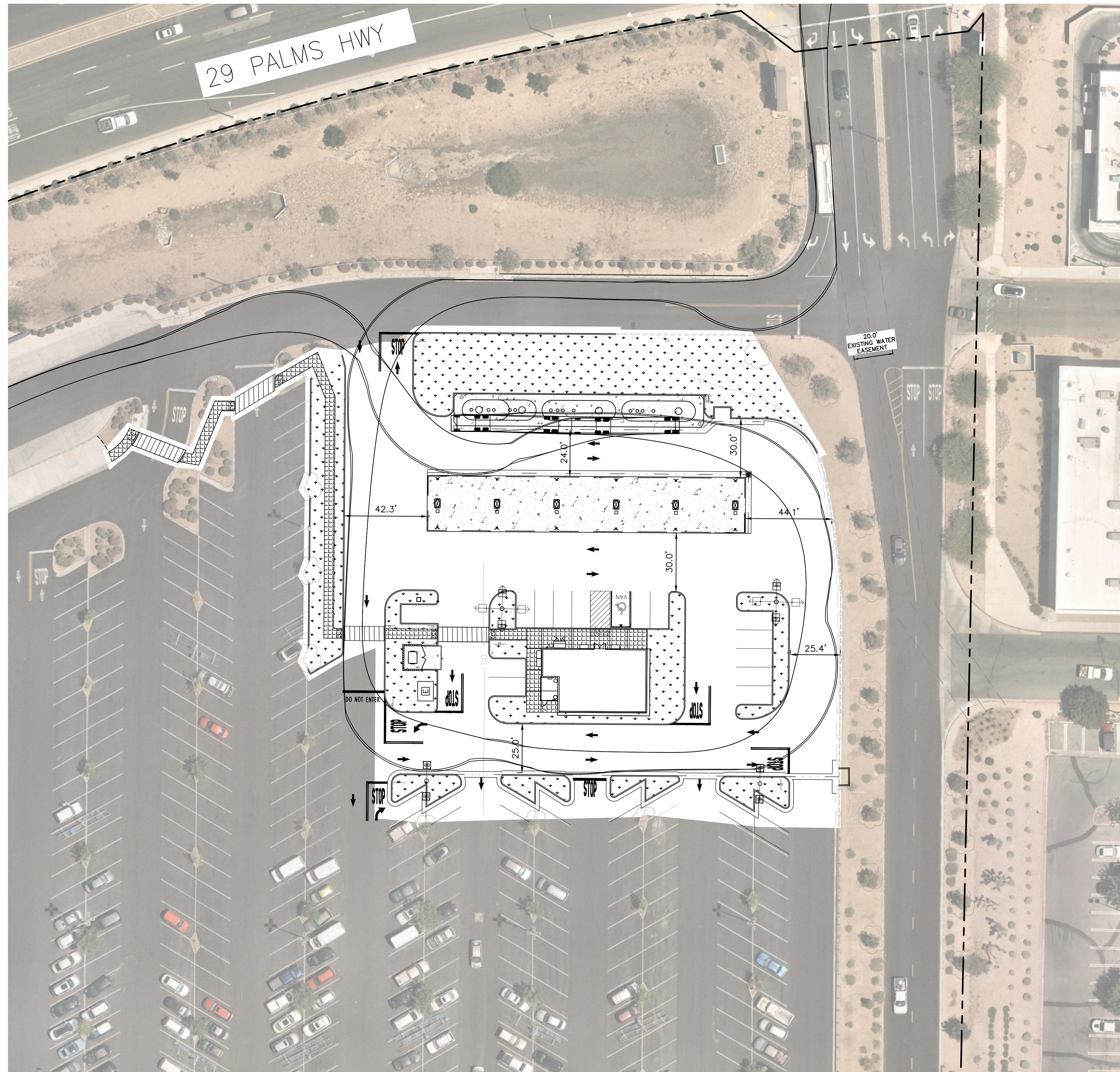
VICINITY MAP





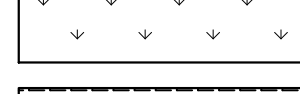
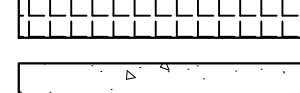

SCALE: 1" = 1000'
 WHEN PRINTED AT FULL
 SIZE 24"x36"

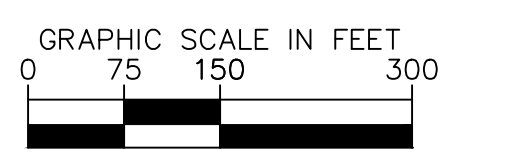
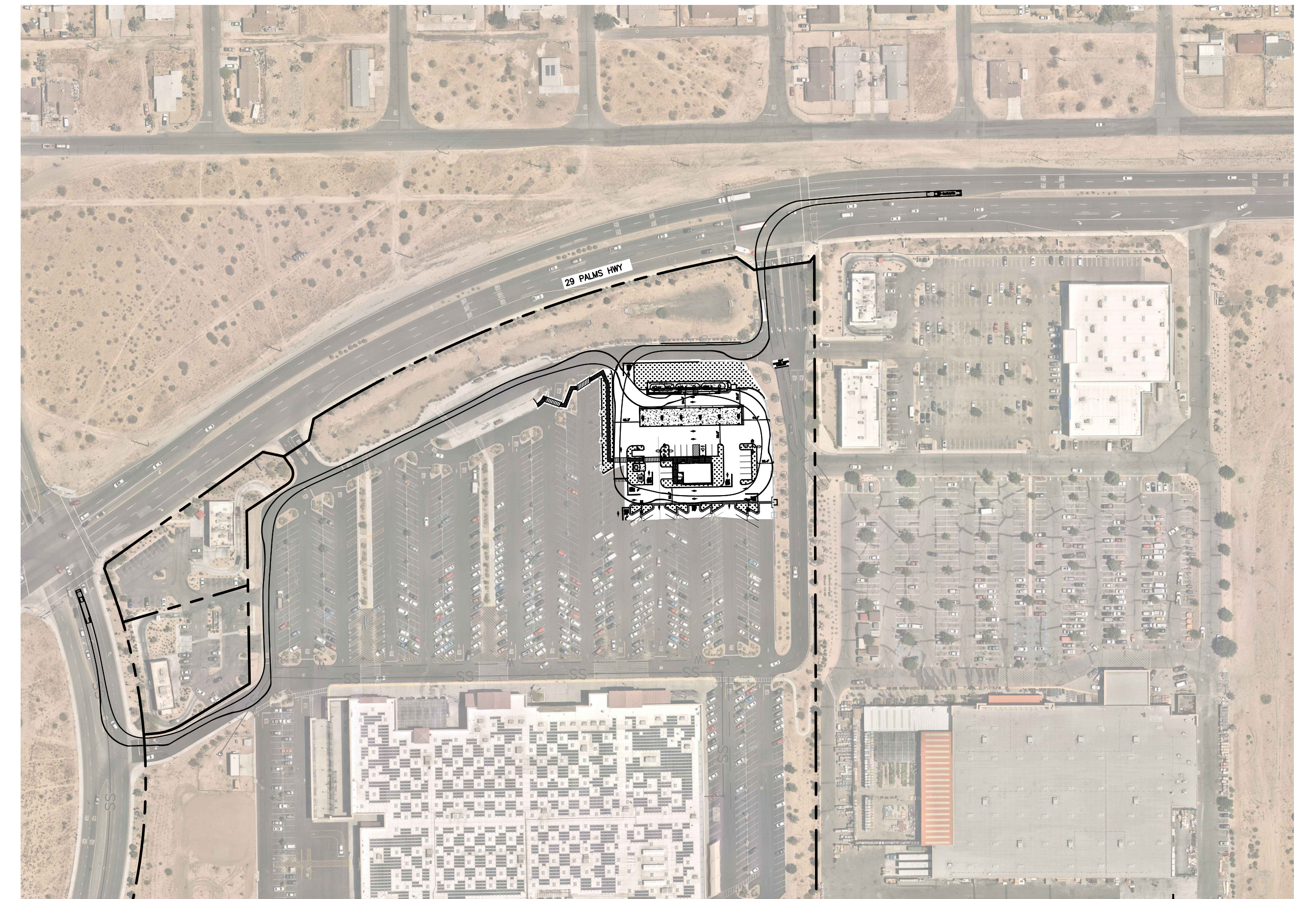
WALMART FUEL STATION - STORE #1915
58501 TWENTY NINE PALMS HWY, YUCCA VALLEY, CA 92284
DESIGN CIVIL GRADING PLAN





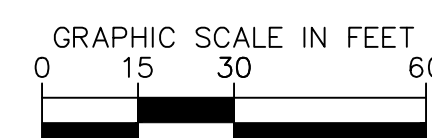
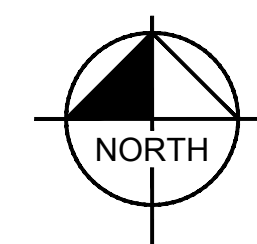
LEGEND

-  PROPERTY LINE
-  HEAVY DUTY ASPHALT PAVING
-  LANDSCAPING
-  CONCRETE SIDEWALK
-  CONCRETE PAVEMENT

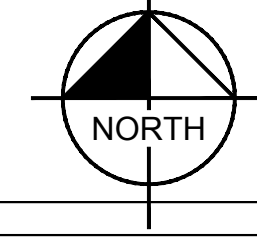
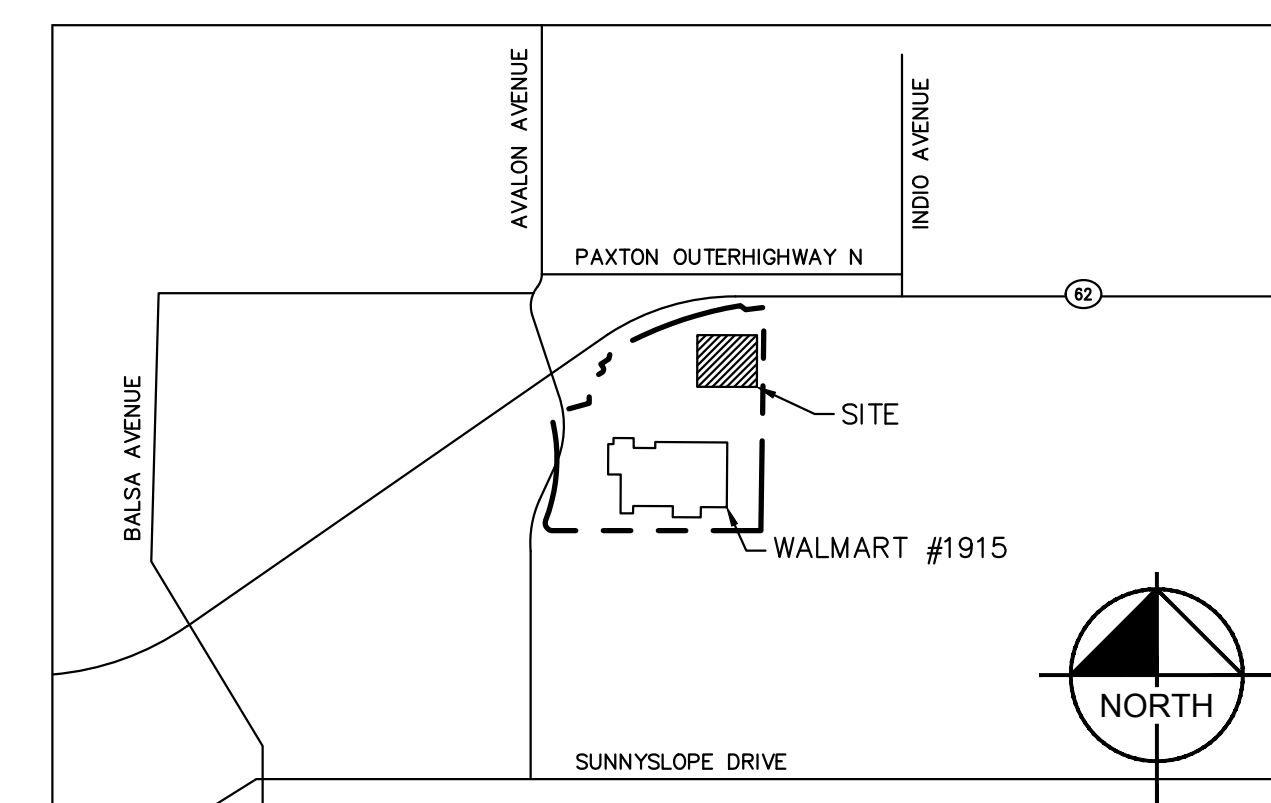


SCALE: 1" = 150'
WHEN PRINTED AT FULL
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WALMART FUEL STATION - STORE #1915
58501 TWENTY NINE PALMS HWY., YUCCA VALLEY, CA 92284
DESIGN CIVIL TRUCK TURN

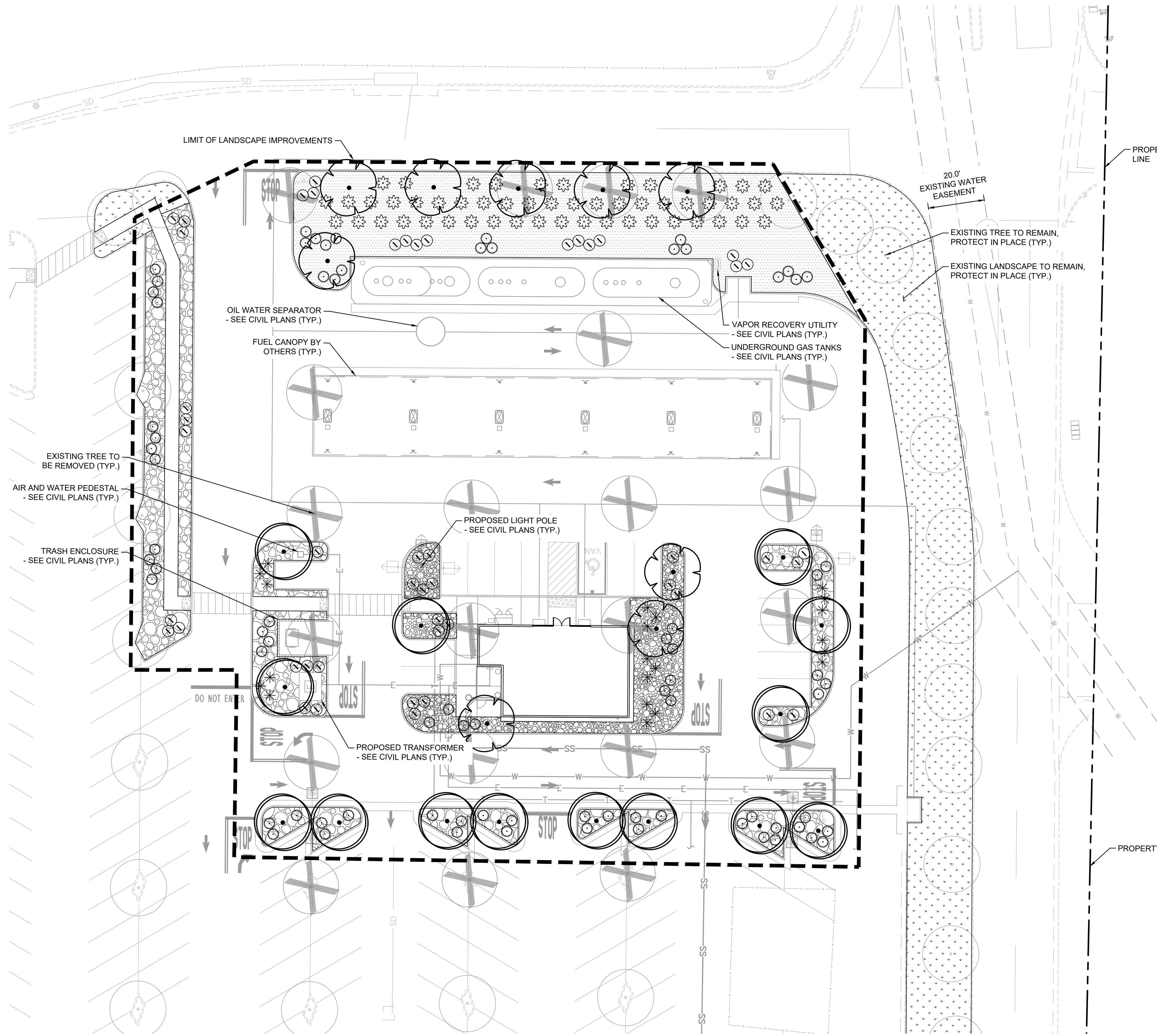


SCALE: 1" = 30'
WHEN PRINTED AT FULL
SIZE 24"X36"



SCALE: 1" = 1000'
WHEN PRINTED AT FULL
SIZE 24"X36"

VICINITY MAP



LANDSCAPE NOTES:

THE SELECTION OF PLANT MATERIAL IS BASED ON CLIMATIC, AESTHETIC, AND MAINTENANCE CONSIDERATIONS. ALL PLANTING AREAS SHALL BE PREPARED WITH APPROPRIATE SOIL AMENDMENTS, FERTILIZERS AND APPROPRIATE SUPPLEMENTS BASED UPON A SOILS REPORT FROM AN AGRICULTURAL SUITABILITY SOIL SAMPLE TAKEN FROM THE SITE. DECOMPOSED GRANITE SHALL FILL IN BETWEEN SHRUBS TO SHIELD THE SOIL FROM THE SUN, EVAPOTRANSPIRATION, AND RUN-OFF. ALL SHRUB BEDS SHALL CONTAIN CRUSHED ROCK A 3" DEPTH TO HELP CONSERVE WATER, LOWER SOIL TEMPERATURE, AND REDUCE WEED GROWTH. THE SHRUBS SHALL BE ALLOWED TO GROW IN THEIR NATURAL FORMS. ALL LANDSCAPE IMPROVEMENTS SHALL FOLLOW THE GUIDELINES SET FORTH BY THE TOWN OF YUCCA VALLEY MUNICIPAL CODE.

IRRIGATION NOTES:

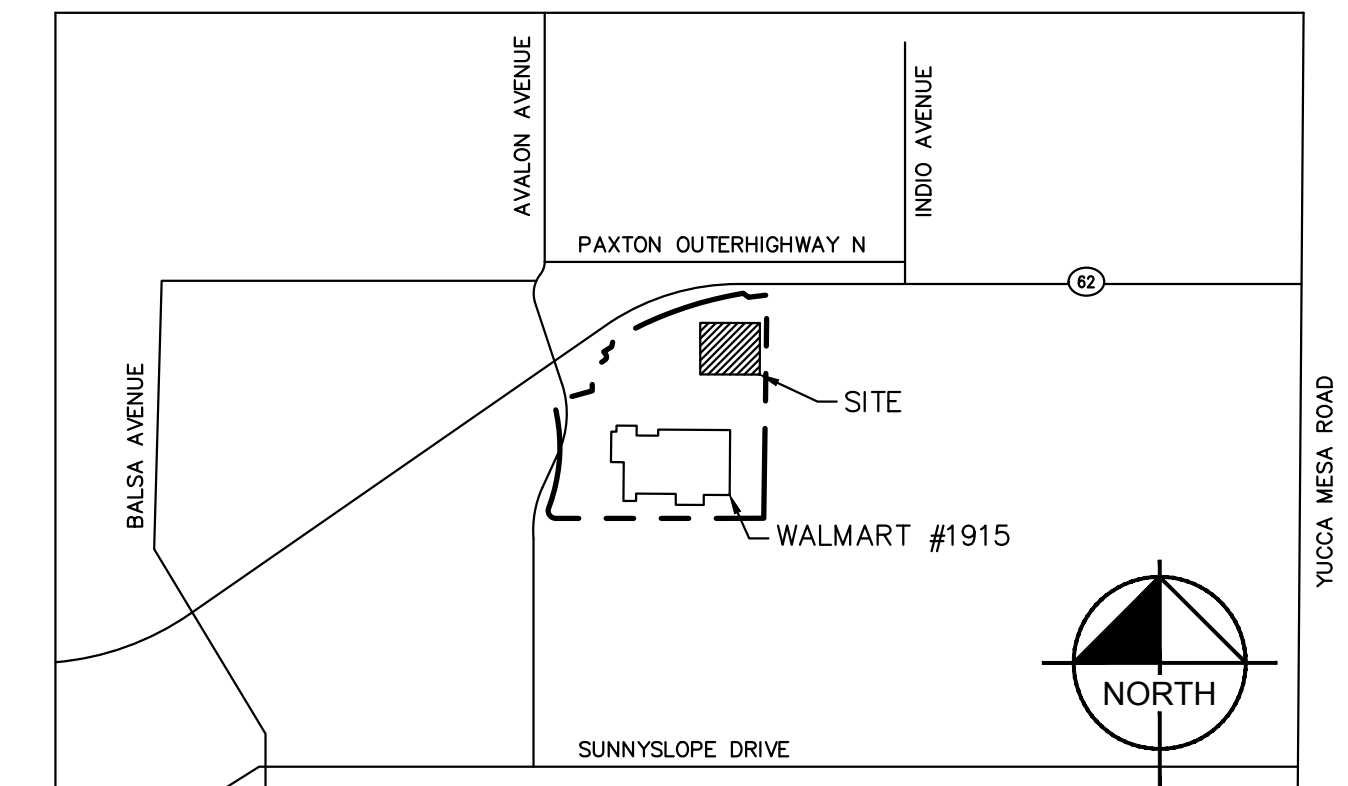
AN AUTOMATIC IRRIGATION SYSTEM SHALL BE INSTALLED TO PROVIDE 100% COVERAGE FOR ALL PLANTING AREAS SHOWN ON THE PLAN. THE WATER SUPPLY FOR THIS SITE IS A POTABLE WATER CONNECTION AND A DEDICATED IRRIGATION METER WILL BE PROVIDED. LOW VOLUME EQUIPMENT SHALL PROVIDE SUFFICIENT WATER FOR PLANT GROWTH WITH NO WATER LOSS DUE TO WATER CONTROLLERS, AND OTHER NECESSARY IRRIGATION EQUIPMENT. ALL POINT SOURCE SYSTEM SHALL BE ADEQUATELY FILTERED AND REGULATED PER THE MANUFACTURER'S RECOMMENDED DESIGN PARAMETERS. ALL IRRIGATION IMPROVEMENTS SHALL FOLLOW THE GUIDELINES SET FORTH BY THE TOWN OF YUCCA VALLEY MUNICIPAL CODE.

CONCEPT PLANT LEGEND:

SYMBOL	QTY	BOTANICAL / COMMON NAME	CONT.	HEIGHT/SPREAD	CAL.	WUCOLS
TREES						
	9	CHILOPSIS LINEARIS / DESERT WILLOW	24" BOX	5'-7' HT. X 3'-4' SPR.	1" CAL.	MODERATE
	22	EXISTING TREE TO BE REMOVED	-	-	-	-
	-	EXISTING TREE TO REMAIN / PROTECT IN PLACE	-	-	-	-
	14	PISTACIA CHINENSIS / CHINESE PISTACHE	24" BOX	9'-11' HT. X 4'-5' SPR.	1" CAL.	MODERATE
SHRUBS						
	21	HESPERALOE PARVIFLORA / RED YUCCA	5 GAL.	4' O.C.	-	LOW
	77	LEUCOPHYLLUM FRUTESCENS 'COMPACTA' / COMPACT TEXAS RANGER	5 GAL.	4' O.C.	-	LOW
	52	ROSMARINUS OFFICINALIS 'PROSTRATE' / PROSTRATE ROSEMARY	5 GAL.	5' O.C.	-	MODERATE
GROUND COVER						
	48	LANTANA X 'NEW GOLD' / NEW GOLD LANTANA	1 GAL.	4' O.C.	-	MODERATE
GROUND COVERS						
	6,649 SF	3" DEPTH MIN. OF 1/4"-3/4" CRUSHED ROCK / TO MATCH EXISTING	-	-	-	-
	8,513 SF	EXISTING LANDSCAPE TO REMAIN	-	-	-	-
INERTS						
	6,124 SF	2" DEPTH DECOMPOSED GRANITE / COLOR AND SIZE TO MATCH EXISTING	-	-	-	-

I AGREE THAT THIS LANDSCAPE DOCUMENTATION PACKAGE COMPLIES WITH THE LANDSCAPING REQUIREMENTS AS OUTLINED BY CHAPTER 9.32 OF THE TOWN OF YUCCA VALLEY DEVELOPMENT CODE, AS WELL AS ANY OTHER REQUIREMENTS AS OUTLINED IN SUPPORTING DOCUMENTATION REGARDING WATER EFFICIENT-LANDSCAPING REQUIREMENTS PROVIDED BY THE TOWN OF YUCCA VALLEY.

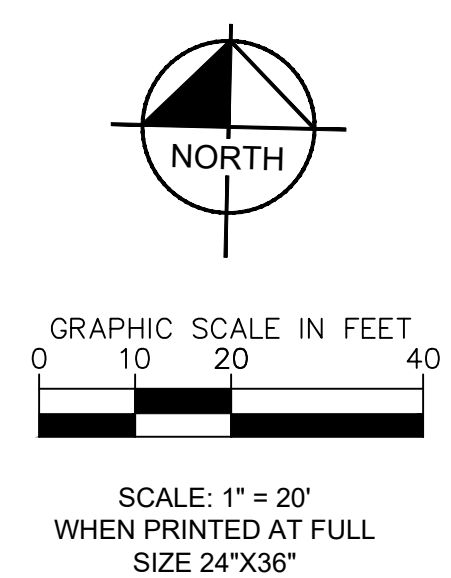
Randall A. Kopff
 RANDALL A. KOPFF JR, LLA 6633

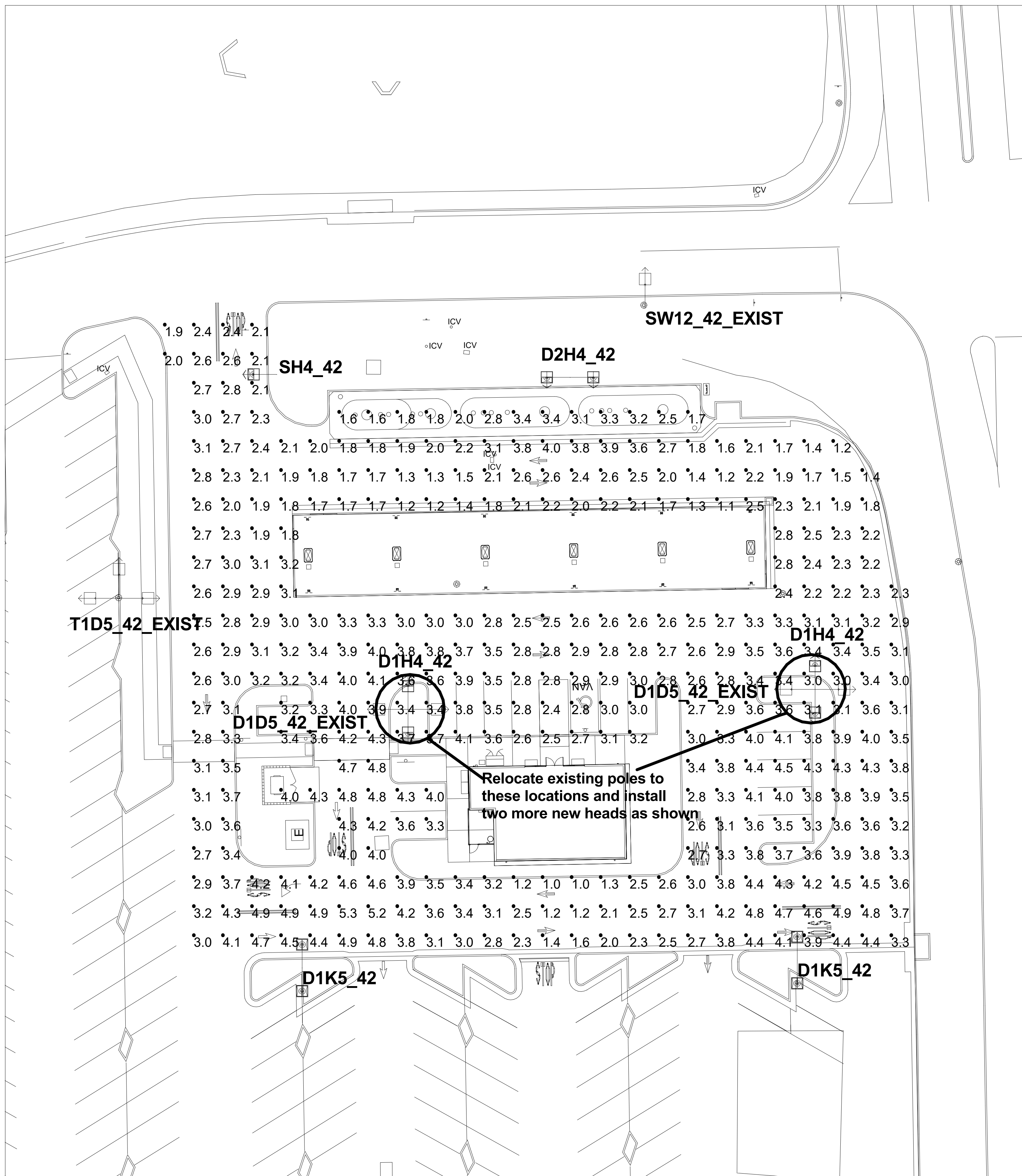


VICINITY MAP

GRAPHIC SCALE IN FEET
 0 500 1000 2000
 SCALE: 1" = 1000'
 WHEN PRINTED AT FULL
 SIZE 24"X36"

WALMART FUEL STATION - STORE #1915
58501 TWENTY NINE PALMS HWY., YUCCA VALLEY, CA 92284
PRELIMINARY LANDSCAPE PLAN





Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Fuel Zone	Illuminance	Fc	3.03	5.3	1.0	3.03	5.30

Symbol	Qty	Label	Arrangement	LLF	Description	Arr. Watts	Arr. Lum. Lumens	BUG Rating
⬇	1	D2H4_42	ROTATED OPTICS	0.837	1-EALS035H4AF750NDD1BLCKFS1 & 1-EALS035H4AF750NDD1BLCKFS2 39ft pole on 3ft base	280	40000	B3-U0-G3
⬇	2	D1K5_42	D180	0.837	2-EALS035K5SM750NDD1BLCKF 39ft pole on 3ft base	478	60000	B5-U0-G3
⬇	2	D1H4_42	D180	0.837	2-EALS035H4AF750NDD1BLCKF 39ft pole on 3ft base	280	40000	B3-U0-G3
⬇	1	SH4_42	SINGLE	0.837	1-EALS035H4AF750NDD1BLCKF 39ft pole on 3ft base	140	20000	B3-U0-G3
⬇	2	D1D5_42_EXIST	BACK-BACK	0.765	2-EAMT5D5N57A4CBLCKF 39ft pole on 3ft base	570	38000	B5-U0-G3
⬇	1	T1D5_42_EXIST	3 @ 90 DEGREES	0.765	3-EAMT5D5N57A4CBLCKF 39ft pole on 3ft base	855	57000	B5-U0-G3
⬇	1	SW12_42_EXIST	SINGLE	0.765	1-EAMM5M3F57A4CBLCKF 39ft pole on 3ft base	213	14800	B2-U0-G2

Relocate existing poles to these locations and install two more new heads as shown

LED STATISTICS SHOWN ARE AT 50000 HOURS L85 & L93 RATING (~12 YEARS @ 12 HRS/DAY)

L85 = OPERATING HOURS AT WHICH AN AVERAGE OF 15% OF INITIAL LUMENS HAVE BEEN LOST IN A TESTED POPULATION OF LED PLATFORMS. THE POPULATION STILL EMITS 85% OF INITIAL LUMENS. THE LUMINAIRE HAS NOT FAILED. IT IS STILL OPERATING WITH A REDUCED LIGHT OUTPUT.

L93 = OPERATING HOURS AT WHICH AN AVERAGE OF 7% OF INITIAL LUMENS HAVE BEEN LOST IN A TESTED POPULATION OF LED PLATFORMS. THE POPULATION STILL EMITS 93% OF INITIAL LUMENS. THE LUMINAIRE HAS NOT FAILED. IT IS STILL OPERATING WITH A REDUCED LIGHT OUTPUT.

IN COMPARISON, NON-LED LUMINAIRES ARE RATED WITH MEAN LUMENS MEASURED AT 40-50% OF RATED LIFE, DEPENDING ON TECHNOLOGY, AND RATED LIFE OF B50, WHERE B50 = OPERATING HOURS AT WHICH 50% OF A TESTED POPULATION OF LAMPS HAVE FAILED.

PROPERTY LINES BASED OFF PROVIDED LIGHTING RETROFIT SURVEY AND GOOGLE EARTH PRO. CALCULATION AREAS TREATED AS OPEN AND EMPTY. NO TREES ARE CONSIDERED IN THE DESIGN, ACTUAL VALUES MAY VARY FROM CALCULATED VALUES SHOWN.



The magnitude of the differences between on-site analysis methods and field measurements varies. In general, differences of less than 20% can be expected, but in extreme cases, where a calculation method cannot handle the complexity of the lighting system, they may be greater. A more complete discussion of the uncertainties is available.

ANSI/EES L84-02
Lighting Science: Calculation of Light and its Effects

Provided for:
CURRENT

Provided BY:
Application Solution Center
apps@currentlighting.com

6085 Parkland Blvd,
Mayfield Heights, OH 44124

Designer: Joshua Watkins
Date: 5/29/2025
Drawing #: A251076A-Walmart #1915 Yucca Valley, CA Fuel Station-AGI

Walmart #1915 Yucca Valley, CA Fuel Station
A251076A
GE EVOLVE LED AREA LIGHT (EALS) 5000K CCT
MOUNTING HEIGHT 42 FEET
MOUNTING HORIZONTAL SPACING
10'X10' CALCULATION GRID SPACING
HORIZONTAL POINTS AT GRADE.
50,000 HOURS SHOWN