

CITY OF WILDOMAR, CA
CONDITIONAL USE PERMIT NO. 19-0093
WILDOMAR SHOOTING ACADEMY
CONCEPT GRADE

PARKING TABULATIONS

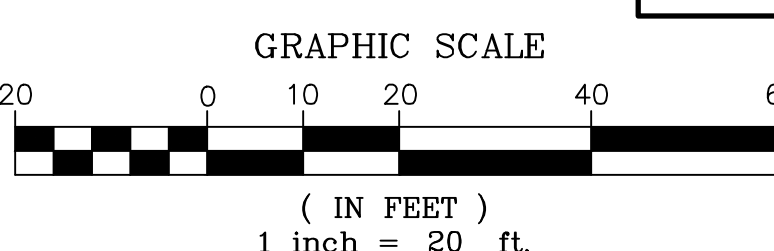
SEE CONCEPTUAL SITE PLAN SHEET A-SP

EASEMENT NOTES:

- EASEMENT FOR POLE LINES IN DOCUMENT RECORDED MARCH 30, 1898 IN BOOK 67 OF DEEDS, PAGE 207, CANNOT BE PLOTTED.
- EASEMENT FOR POLE LINES AND INCIDENTAL PURPOSES IN DOCUMENT RECORDED MAY 21, 1925, IN BOOK 643 OF DEEDS, PAGE 7, CANNOT BE PLOTTED.
- EASEMENT FOR PUBLIC UTILITIES AND INCIDENTAL PURPOSES IN DOCUMENT RECORDED SEPTEMBER 23, 1992 AS INST. NO. 92-358321, O.R.
- ABUTTERS RIGHTS OF INGRESS AND EGRESS PER DOCUMENT RECORDED OCTOBER 28, 1993, AS INST. NO. 93-429300, O.R.
- EASEMENT FOR PIPELINES AND INCIDENTAL PURPOSES IN DOCUMENT RECORDED MARCH 17, 1994, AS INST. NO. 94-112368, O.R.

CONSTRUCTION NOTES:

- PROTECT IN PLACE.
- REMOVE EXISTING UTILITY, SIZE AS NOTED.
- RELOCATE EXISTING SIGN.
- UNDERGROUND EXISTING OVERHEAD ELECTRIC.
- RELOCATE EXISTING TRAFFIC SIGNAL.
- REMOVE EXISTING POWER POLE



GENERAL NOTES

- LEGAL DESCRIPTION:**
PORTIONS OF LOT 115 OF SEDCO TRACT NO. 1, AS SHOWN BY MAP ON FILE IN MAP BOOK 10, PAGES 58 THROUGH 75, INCLUSIVE, RECORDS OF RIVERSIDE COUNTY, CA.
- TOTAL ACREAGE:**
2.33 ACRES GROSS
1.95 ACRES NET
- EXISTING GENERAL PLAN:**
LIGHT INDUSTRIAL/COMMUNITY CENTER OVERLAY
- PROPOSED GENERAL PLAN:**
LIGHT INDUSTRIAL/COMMUNITY CENTER OVERLAY
- EXISTING ZONING:**
R-R
- PROPOSED ZONING:**
R-R
- EXISTING LAND USE:**
VACANT LAND
- PROPOSED LAND USE:**
INDOOR SHOOTING RANGE
- METHOD OF SEWAGE DISPOSAL:**
SEWER TO EXISTING 12" SEWER IN BUNDY CANYON ROAD
- UTILITIES:**
WATER - ELSNORE VALLEY MUNICIPAL WATER DISTRICT
SEWER - ELSNORE VALLEY MUNICIPAL WATER DISTRICT
NATURAL GAS - THE GAS CO.
ELECTRIC - SOUTHERN CALIFORNIA EDISON
TELEPHONE - FRONTIER
CABLE - SPECTRUM
- SCHOOL DISTRICT:**
LAKE ELSNORE UNIFIED SCHOOL DISTRICT
- COMMUNITY SERVICES AREA:**
NOT IN COMMUNITY SERVICE AREA
- ASSESSORS PARCEL NO.:**
367-020-038
- 2018 THOMAS BROS. GUIDE:**
PAGE 897, GRID A-4
- SITE PLAN PREPARED:**
MAY 15, 2019
- GEOLOGICAL HAZARD:**
THIS PROJECT IS WITHIN HALF MILE OF GLEN IVY NORTH FAULT AND IS SUBJECT TO MODERATE LIQUEFACTION
- SPECIFIC PLAN:**
THIS PROJECT IS NOT WITHIN A SPECIFIC PLAN.
- FLOOD ZONE:**
THIS PROJECT IS NOT WITHIN A FLOOD ZONE.
- ALL PROPOSED DRAINAGE FACILITIES SHALL BE DESIGNED TO ACCOMMODATE 100 YEAR STORM FLOWS. ALL "Q'S ARE APPROXIMATE.
- ALL SLOPES ARE 2:1 UNLESS OTHERWISE NOTED.
- ADDRESS:**
34020 MISSION TRAIL
WILDOMAR, CA 92595
- ESTIMATED EARTHWORK:**
3015 CUT
0 IMPORT/EXPORT REQUIRED
- NO DEVIATION FROM CITY STANDARDS ARE PROPOSED FOR THIS SITE.
- EXISTING SEPTIC AND LEACHLINES TO BE REMOVED OR ABANDONED UNDER PERMIT WITH THE DEPARTMENT OF ENVIRONMENTAL HEALTH. THE INSTALLATION OF ANY NEW ONSITE WASTEWATER TREATMENT SYSTEM WILL CONFORM TO THE STANDARDS SET FORTH BY THE DEPT. OF ENVIRONMENTAL HEALTH TECHNICAL GUIDANCE MANUAL AND THE UNIFORM PLUMBING CODE. ANY SEPTIC ABANDONED IN PLACE SHALL BE FILLED WITH SAND OR ONE SACK SLURRY, AND SHALL BE INSPECTED PRIOR TO COVERING.
- ALL FILL PLACED UNDER OR WITHIN 5 FEET OF THE PROPOSED STRUCTURES SHALL BE CLEAN AND FREE OF DEBRIS AND COMPACTED TO 90% RELATIVE COMPACTION AND COMPACTION TEST DATA SHALL BE PRESENTED TO THE INSPECTOR AT THE TIME OF SET-UP INSPECTION.
- HEIGHT OF BUILDING = 36.5'

NOTE:
ALL ONSITE SEWER, WATER, AND DRAINAGE FACILITIES SHALL BE PRIVATELY OWNED AND MAINTAINED.

TOPOGRAPHIC INFORMATION DEVELOPED FROM:
AERIAL PHOTO BY AEROTECH, INC., DATED 07/27/2018

LEGEND:

EX LV	EXIST LAND USE	EXISTING ASPHALT PAVEMENT
MB	MAP BOOK	PROPOSED ASPHALT PAVEMENT
PM	PARCEL MAP	PROPOSED CONCRETE
APN	ASSESSORS PARCEL NUMBER	PROPOSED PERVIOUS CONCRETE
C/L	CENTER LINE	
A/C	ASPHALT CONCRETE	
A/B	AGGREGATE BASE	
NO	NUMBER	
R-R	RURAL RESIDENTIAL	
MOR	MEDIUM DENSITY RESIDENTIAL	
R/W	RIGHT OF WAY	
DG	DECOMPOSED GRANITE	
P/L	PROPERTY LINE	
C-1/C-P	COMMERCIAL GENERAL	
FG	FINISHED GROUND	
NG	NATURAL GROUND	
TM	TOP WALL ELEVATION	
BW	BOTTOM WALL ELEVATION	
HP	HIGH POINT ELEVATION	
LP	LOW POINT ELEVATION	
FL	FLOWLINE ELEVATION	
SD	STORM DRAIN	

PROJECT AREA BREAKDOWNS

PROP. BUILDING	=	29,220 SF	0.67 AC	34.4%
PROP. CONCRETE	=	6,044 SF	0.14 AC	7.1%
PROP. PERVIOUS CONCRETE	=	3,267 SF	0.08 AC	3.9%
PROP. PAVED	=	30,643 SF	0.70 AC	36.2%
PROP. LANDSCAPED AREA	=	15,531 SF	0.36 AC	18.6%
PROP. NET AREA	=	84,805 SF	1.95 AC	100.0%

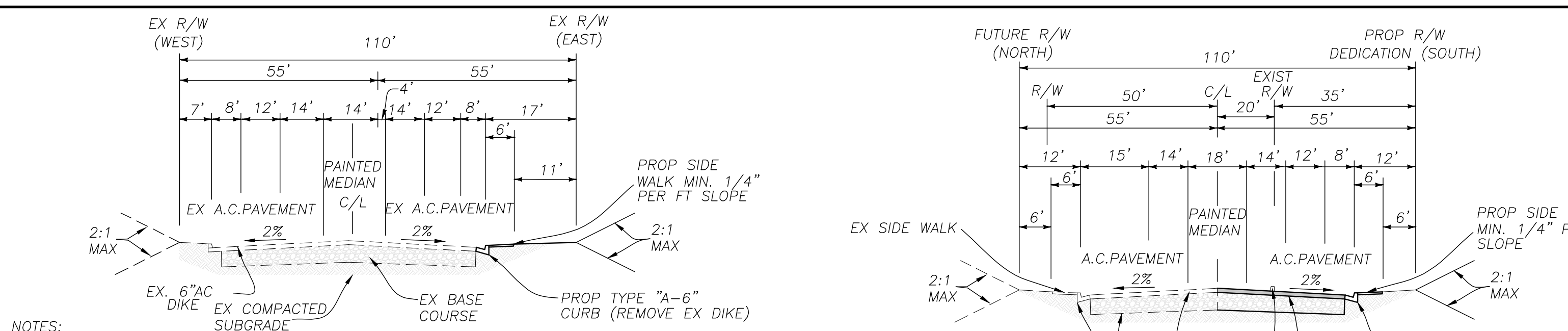
NOTE:
ALL TREES SHOWN ARE TO BE REMOVED EXCEPT THOSE SPECIFICALLY NOTED TO REMAIN.

APPLICANT/OWNER:

KCG BLUE, LLC
C/O DON MACLEAN
5758 GEARY BOULEVARD #541
SAN FRANCISCO, CA 94121
760-846-9760 (PH)

ENGINEER / PREPARED BY:

4M ENGINEERING AND DEVELOPMENT, INC.
41635 Enterprise Circle N. - Suite B
Tremed, California 92590
TEL: (951) 296-3466



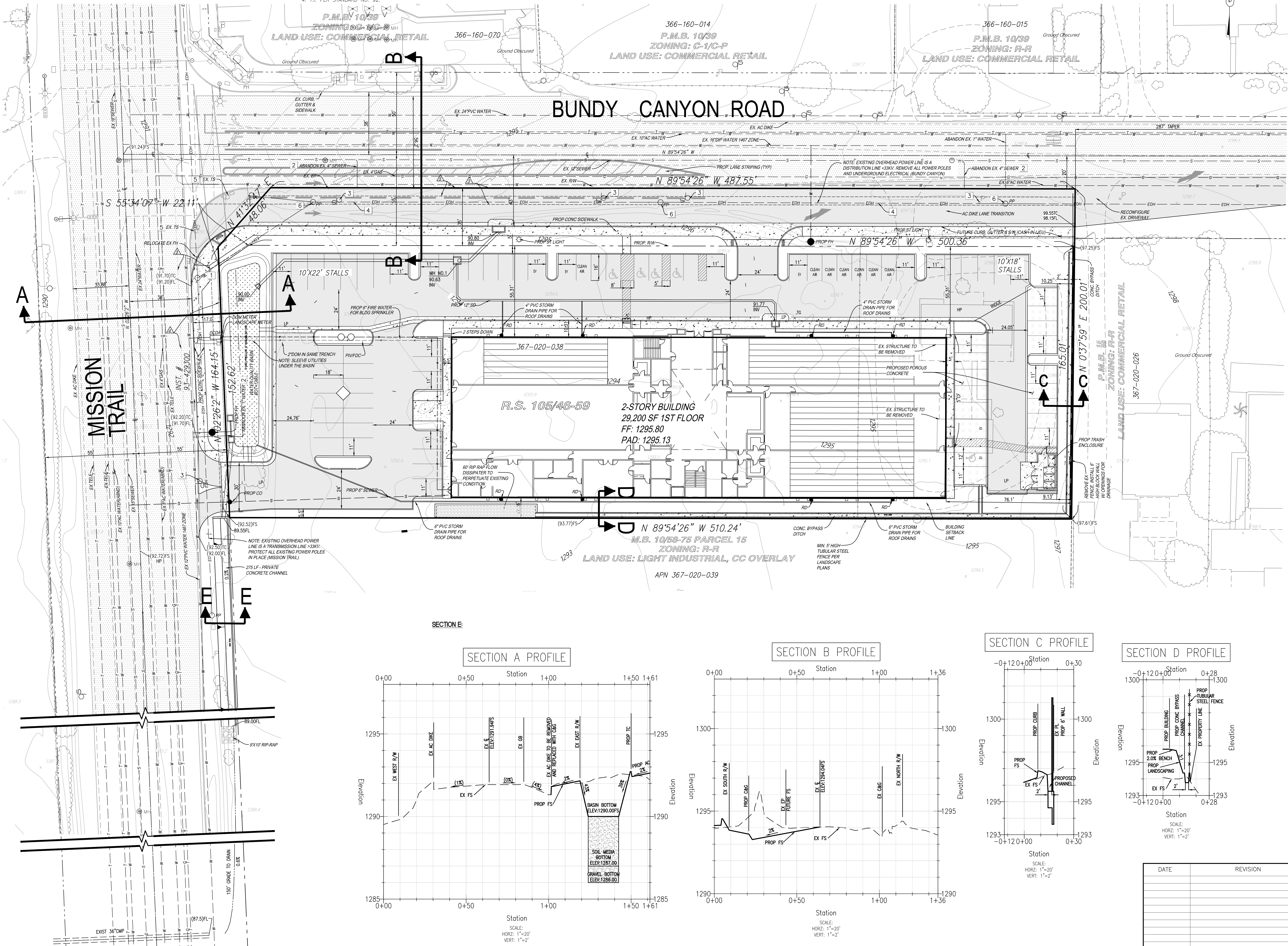
BUNDY CANYON

STANDARD NO. 92 (MODIFIED)
NOT TO SCALE

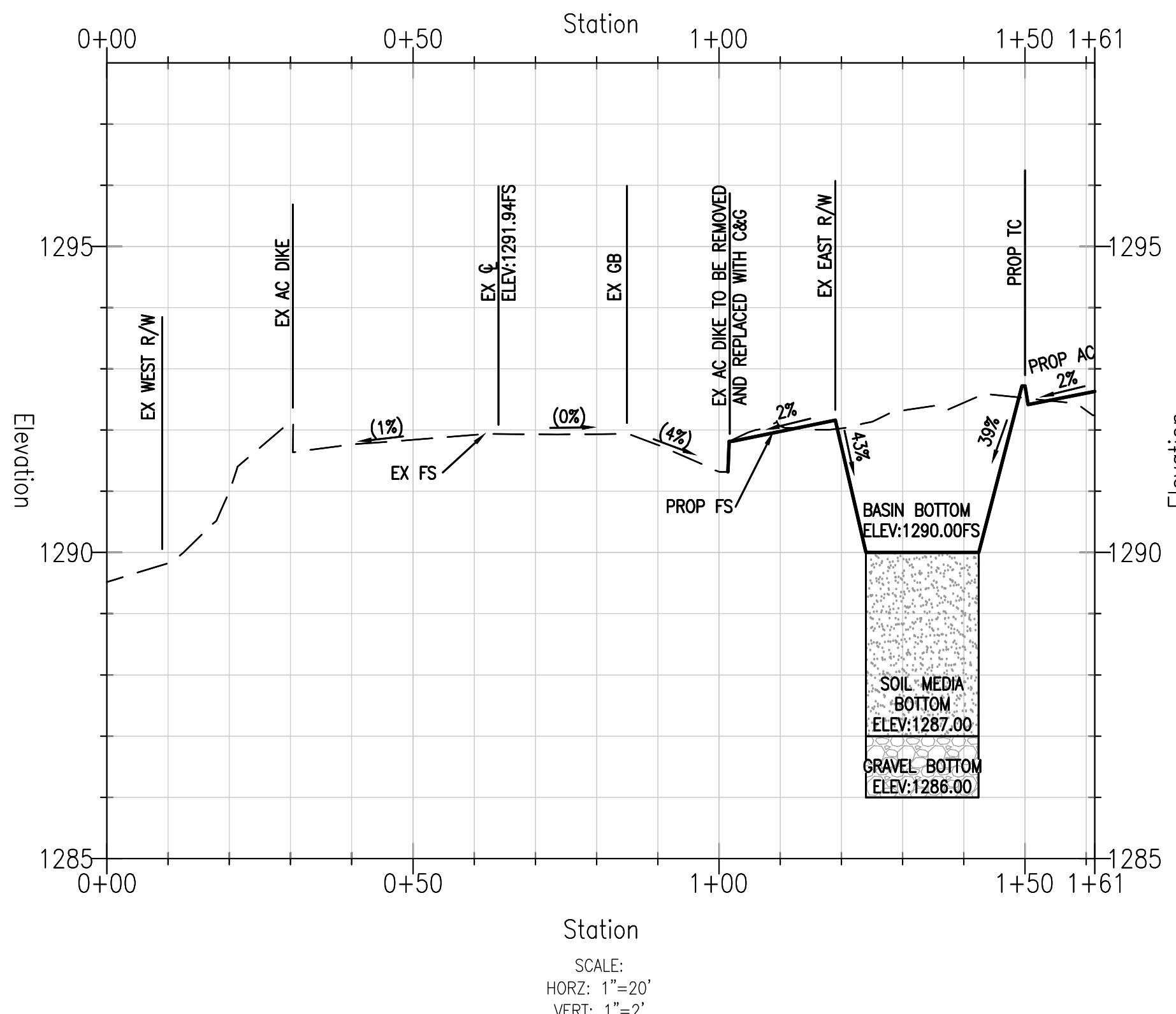
- THICKNESS OF A.B. AND A.C. TO BE DETERMINED BY SOIL TEST AT TIME OF GRADING OPERATIONS.
- MINIMUM PAVING THICKNESS PER SPECIFICATIONS SECTION 8.07 OF ORDINANCE 461.
- CURB AND GUTTER TO BE TYPE "A-6"
- T.I. PER STANDARD NO. 92.

MISSION TRAIL

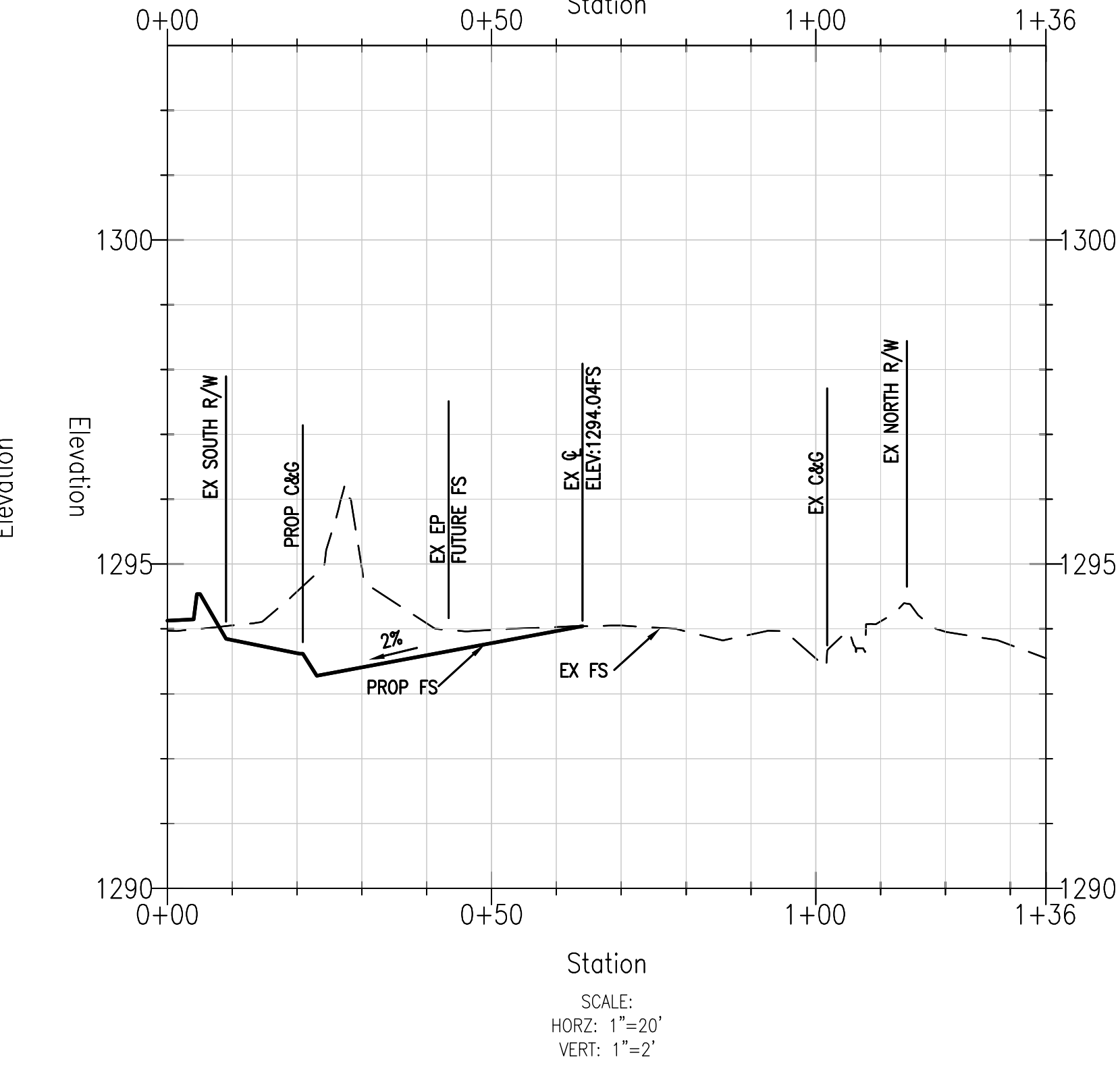
STANDARD NO. 92 (MODIFIED)
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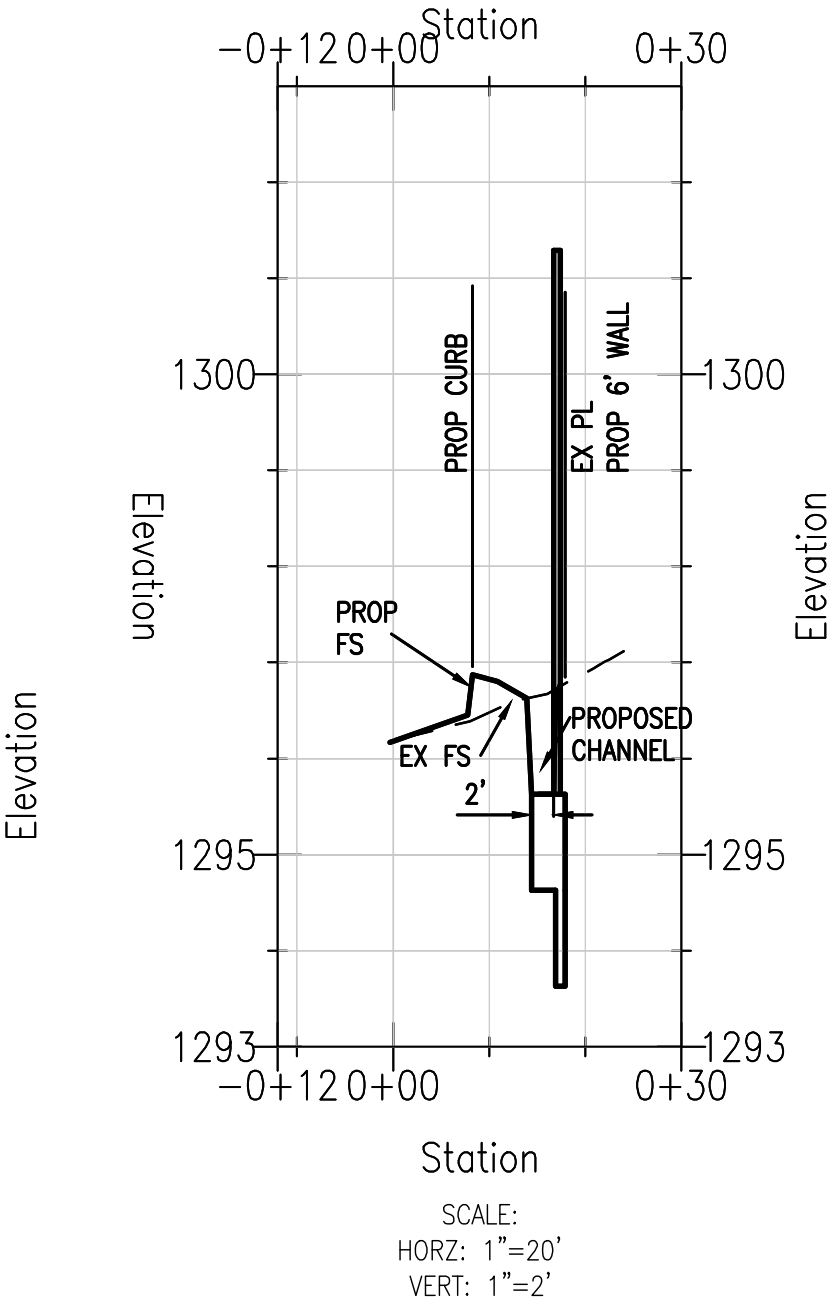
SECTION A PROFILE



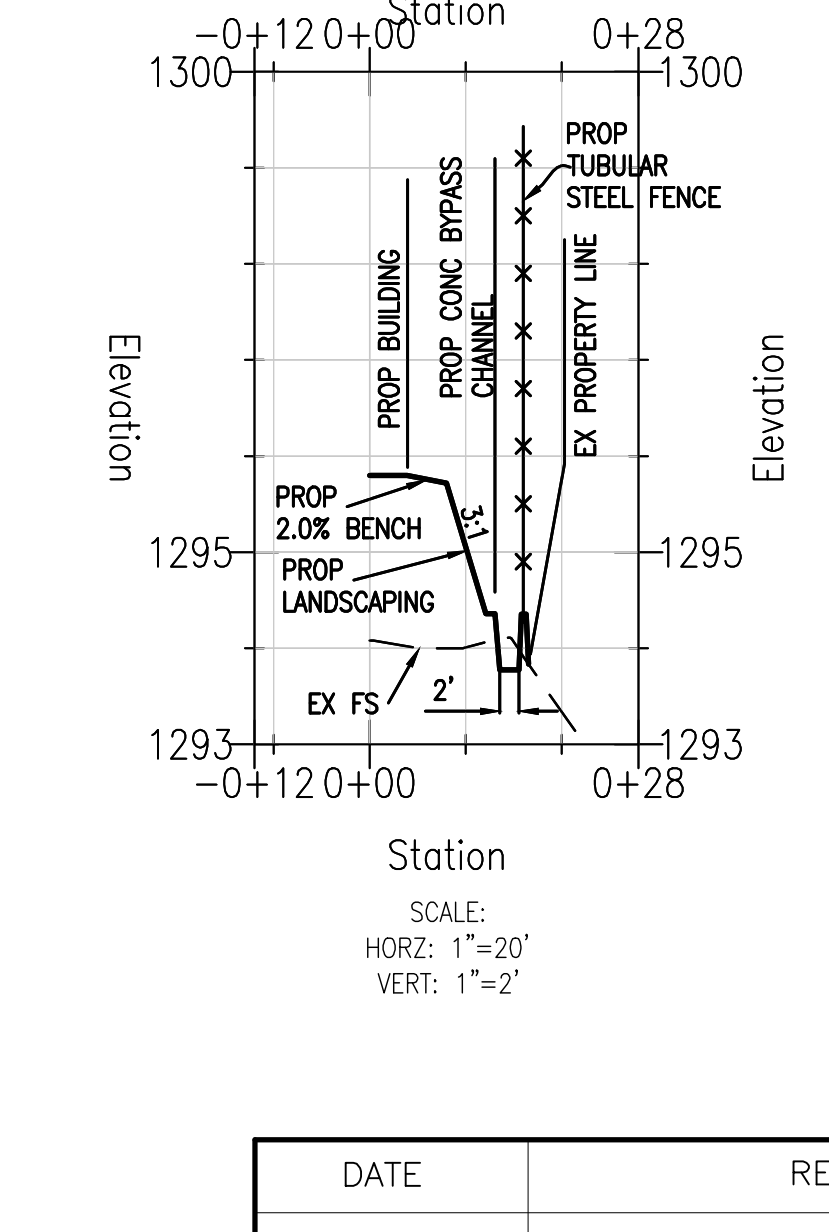
SECTION B PROFILE



SECTION C PROFILE



SECTION D PROFILE



DATE

REVISION

PARKING CALCULATIONS

KCG Blue LLC
Wildomar Shooting Academy

First Floor SF	29,286 SF
Second Floor SF	5,503 SF
Total SF	34,789 SF

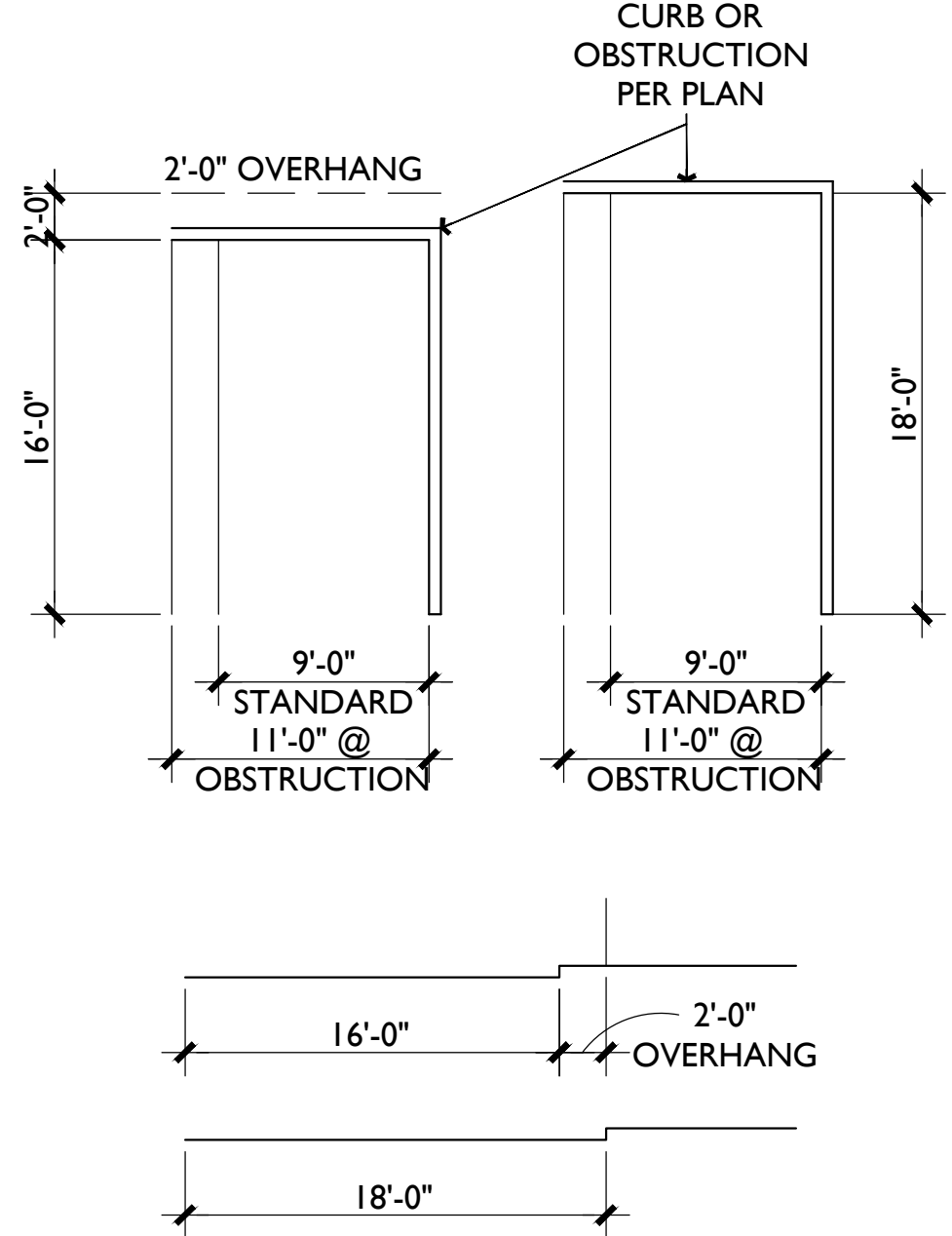
Uses	Description	area SF	Parking Required	Parking Spaces	Notes
First Floor	Range 1 pistol range	3,504 SF	1/1000	3.50	live fire
	Range 2 pistol range	3,504 SF	1/1000	3.50	live fire
	Range 3 rifle range	4,443 SF	1/1000	4.44	live fire
	Range 4 law enforcement	3,171 SF	1/1000	3.17	live fire
	tactical training area	4,426 SF	1/1000	4.43	non live fire- simulated fire
	Range Manager 1	120 SF	1/500	0.24	
	Range Manager 2	120 SF	1/500	0.24	
	Range Manager 3	84 SF	1/500	0.17	
	Range Manager 4	111 SF	1/500	0.22	
	Gun Storage	729 SF	1/1000	0.73	
Second Floor	Gun Smith/ Gun Counter	233 SF	1/1000	0.23	
	Ammunition Storage/Counter	475 SF	1/1000	0.48	
	Shipping/ Receiving	591 SF	1/1000	0.59	
	Lobby	810 SF	1/500	1.62	
	Reception	175 SF	1/500	0.35	
	Sales	2,725 SF	1/200	13.63	
	First Aid	142 SF	1/500	0.28	
	Restrooms	599 SF	1/500	1.20	
	Stair 1	311 SF	1/500	0.62	
	Stair 2	311 SF	1/500	0.62	
Second Floor	Elevator	61 SF	1/500	0.12	
	Offices	560 SF	1/250	2.24	
	Offices	443 SF	1/250	1.77	
	Circulation	1,638 SF	1/500	3.28	
	Total SF First Floor	29,286 SF			27648
	Restrooms	544 SF	1/500	1.09	500
	Employee Restrooms	292 SF	1/500	0.58	500
	Classroom 1	387 SF	1/250	1.55	250
	Classroom 2	295 SF	1/250	1.18	250
	Classroom 3	260 SF	1/250	1.04	250
Second Floor	Employee Lounge	404 SF	1/500	0.81	500
	VIP Lounge & VIP Storage	755 SF	1/500	1.51	500
	Kitchen	358 SF	1/500	0.72	500
	Lounge	551 SF	1/500	1.10	500
	Circulation	1,657 SF	1/500	3.31	500
	Total SF Second Floor	5,503 SF			
	Total SF BUILDING	34,789 SF			
	Min Req'd Spaces		60.57		Calculated parking requirements per City of Wildomar Parking Design Standards 17.188.030
	Total of ADA spaces required		4		per City of Wildomar sec. 17.188.050
	Total Number of Van Accessible spaces required		1		per City of Wildomar sec. 17.188.050
Second Floor	Total Calculated parking spaces required excluding ADA		55.39		Parking Spaces
	Spaces Provided		77.00		Parking spaces provided
	Required Spaces	34,789 SF	1/500	69.58	Parking Required
	Total of ADA spaces required		4		per City of Wildomar sec. 17.188.050
	Total Number of Van Accessible spaces required		1		per City of Wildomar sec. 17.188.050
	Total of parking spaces 1 per 500 SF less ADA requirements:		64.40		Parking Spaces
	Parking Provided Overall including ADA spaces:		77		parking spaces provided (effective rate 1/451 SF gross area)

DESIGNATED PARKING FOR CLEAN AIR VEHICLES (CGBSC 5.106.5.2):
PER TABLE 5.106.5.2 FOR 77 TOTAL PARKING STALLS
8 TOTAL CLEAN AIR VEHICLE STALLS SHALL BE PROVIDED
TOTAL PROVIDED 8 STALLS

ELECTRIC VEHICLE CHARGING (CGBSC 5.106.5.3):
PER TABLE 5.106.5.3 FOR 77 TOTAL PARKING STALLS
5 TOTAL ELECTRIC VEHICLE STALLS SHALL BE PROVIDED
TOTAL PROVIDED = 5 STALLS
(3 STANDARD, 1 VAN ACCESSIBLE, 1 STANDARD ACCESSIBLE)

BICYCLE PARKING (CGBSC 5.106.4):
SHORT TERM BICYCLE PARKING = 5% OF VISITOR PARKING STALLS
LONG TERM BICYCLE PARKING = 5% OF TENANT-OCCUPANT STALLS
77 TOTAL STALLS X 5% = 4 TOTAL BICYCLE PARKING STALLS REQ.
TOTAL PROVIDED = 6 STALLS
(2 LONG TERM, 4 SHORT TERM = 7.8%)

PARKING STALL DETAILS



PROJECT CONTACTS

OWNER:	KCG BLUE LLC 5758 GEARY BOULEVARD #541 SAN FRANCISCO, CA. 94121 (760)846-9760 CONTACT: DONNY MACLEAN II
ARCHITECT:	SUMMA ARCHITECTURE 5256 SOUTH MISSION ROAD SUITE 404 BONSALL, CA. 92003 (760)724-1198 CONTACT: ERICK VAN WECHEL
CIVIL ENGINEER:	4M ENGINEERING AND DEVELOPMENT 41635 ENTERPRISE CIRCLE NORTH, SUITE B TEMECULA, CA. 92590 (951)296-3466 CONTACT: KIM MORING

SITE AREA ANALYSIS

SITE AREA:
2.33 ACRES GROSS (101,495 S.F.)

BUILDING AREA:
FIRST FLOOR - 29,286 S.F.
SECOND FLOOR - 5,503 S.F.
TOTAL BUILDING AREA - 34,789 S.F.

LOT COVERAGE:
28.8% (29,286 S.F. / 101,495 S.F.)

FAR (FLOOR AREA RATIO):
0.34 (34,789 S.F. / 101,495 S.F.)

PROVIDED PARKING RATIO:
2.47 STALLS / 1,000 S.F.

PROJECT INFORMATION

LEGAL DESCRIPTION:
LOT: 115 TRACT NO. 1, ABBREVIATED DESCRIPTION: LOT 115 SUBD:
SEDCO TRACT #1, 2.33 ACRES M/L IN POR LOT 115 MB010/ 058 SEDCO
TRACT 1

APN: 367-020-038

PROJECT ADDRESS:
34020 MISSION TRAIL
WILDOMAR, CA. 92595

ZONING: R-R (GP = LI)

EXISTING USE:
VACANT - (EXISTING HOUSE TO BE DEMOLISHED)

PROPOSED USE:
INDOOR GUN RANGE/ TACTICAL LAW ENFORCEMENT TRAINING
CENTER

CODES:
CALIFORNIA BUILDING CODE 2016 EDITION
CALIFORNIA MECHANICAL CODE 2016 EDITION
CALIFORNIA ELECTRICAL CODE 2016 EDITION
CALIFORNIA FIRE CODE 2016 EDITION

TYPE OF CONSTRUCTION:

SPRINKLERS: FULLY SPRINKLERED, NFPA 15 COMPLIANT

SITE AREA: 2.33 ACRES

STORIES: TWO STORY

BUILDING HEIGHT: 38'-0"

SCHOOL DISTRICT:

UTILITY PURVEYORS

WATER: ELSINORE VALLEY MUNICIPAL WATER DISTRICT

SEWER: ELSINORE VALLEY MUNICIPAL WATER DISTRICT

GAS: SOUTHERN CALIFORNIA GAS COMPANY

ELECTRIC: SOUTHERN CALIFORNIA EDISON

TELEPHONE:

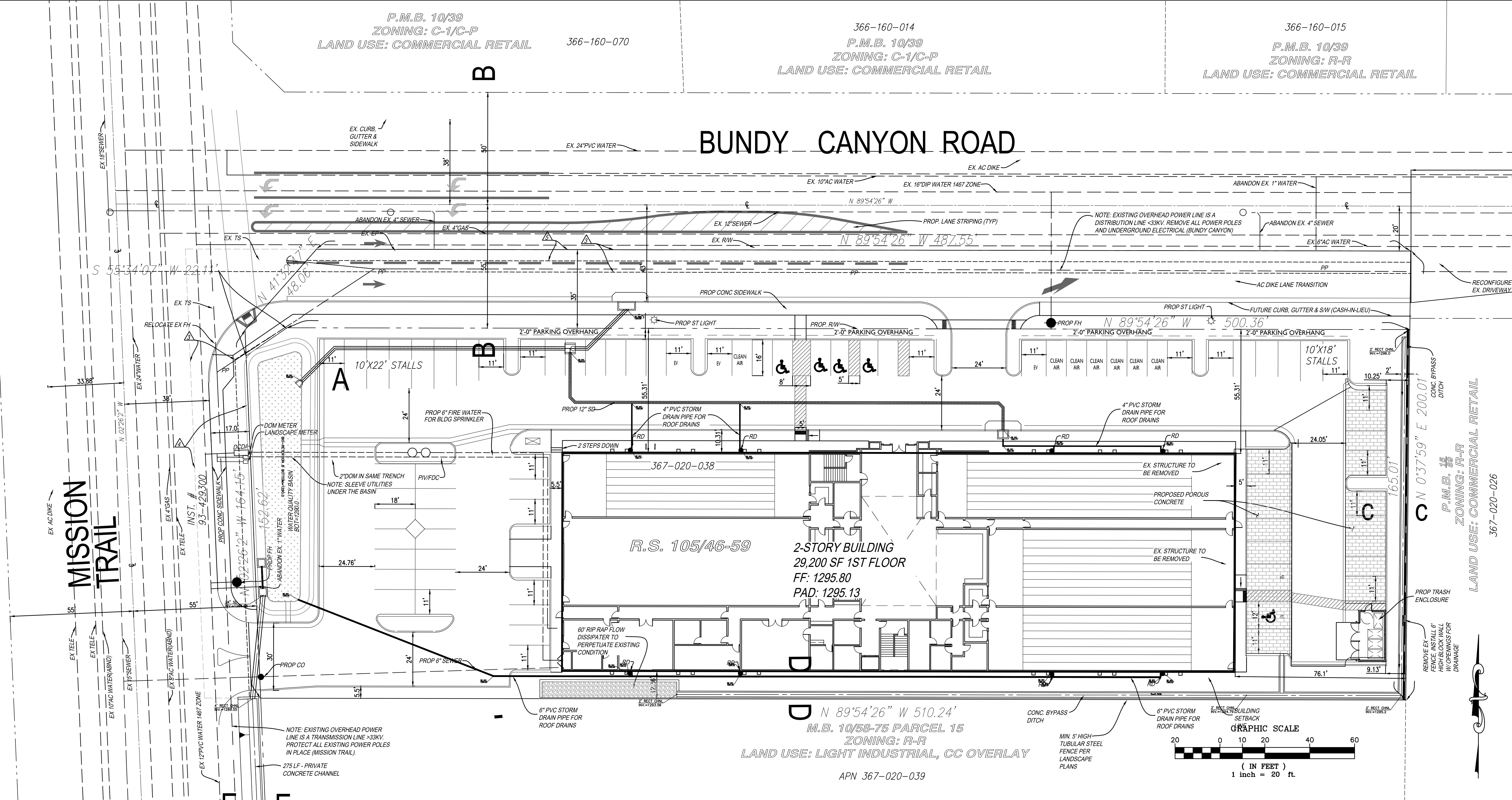
TRASH: WASTE MANAGEMENT

INDEX TO DRAWINGS

ARCHITECTURE:

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- A-1 CONCEPTUAL BUILDING PLANS - FIRST FLOOR PLAN
- A-2 CONCEPTUAL BUILDING PLANS - SECOND FLOOR PLAN
- A-3 CONCEPTUAL BUILDING PLANS - ROOF PLAN
- A-4 CONCEPTUAL BUILDING ELEVATIONS
- A-5 CONCEPTUAL TRASH ENCLOSURE
- A-6 CONCEPTUAL BUILDING PERSPECTIVES

SITE PLAN



WILDOMAR, CA

KCG BLUE, LLC.
5758 GEARY BLVD. #541
SAN FRANCISCO, CA
(760) 846-9760

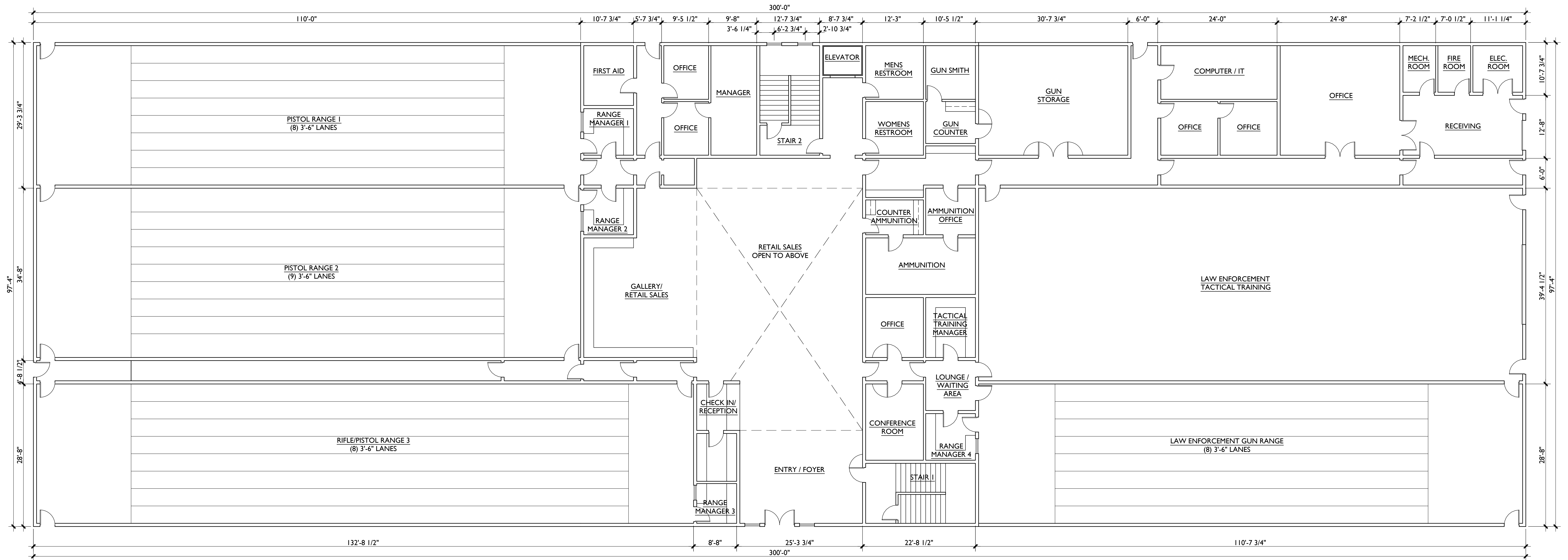
WILDOMAR SHOOTING ACADEMY

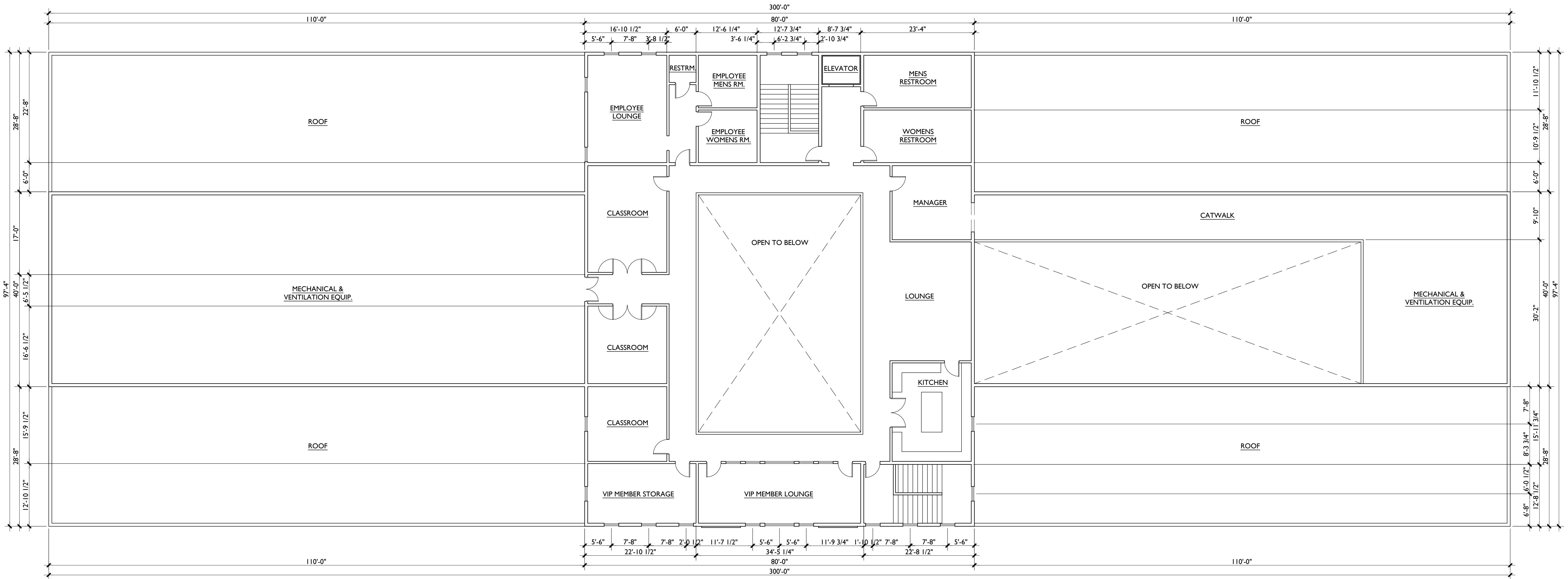
November 6, 2019

CONCEPTUAL SITE PLAN

SUMMA
ARCHITECTURE
5256 S. Mission Road, Ste. 404
Bonsall, CA 92003
www.summarch.com 760.724.1198

A-SP



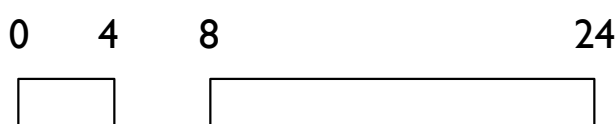


WILDOMAR, CA

CONCEPTUAL BUILDING PLANS - SECOND FLOOR PLAN

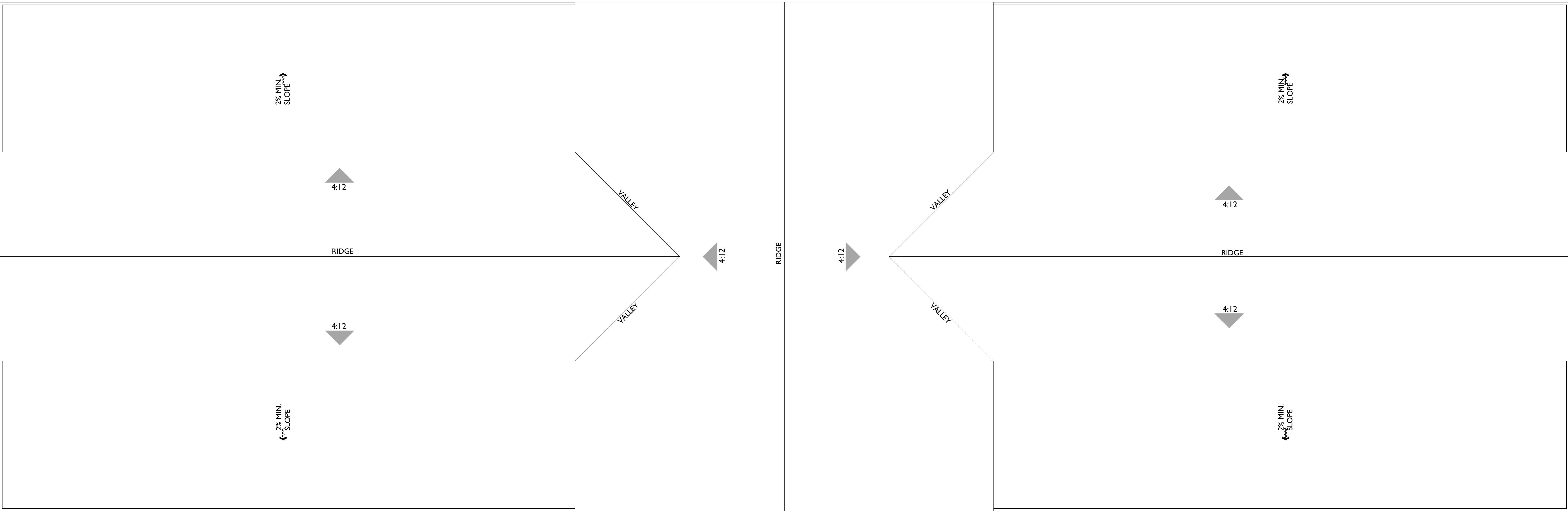
KCG BLUE, LLC.
5758 GEARY BLVD. #541
SAN FRANCISCO, CA
(760) 846-9760

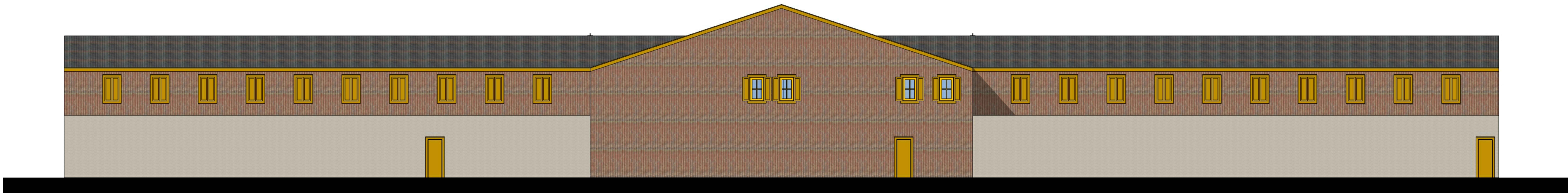
WILDOMAR SHOOTING ACADEMY



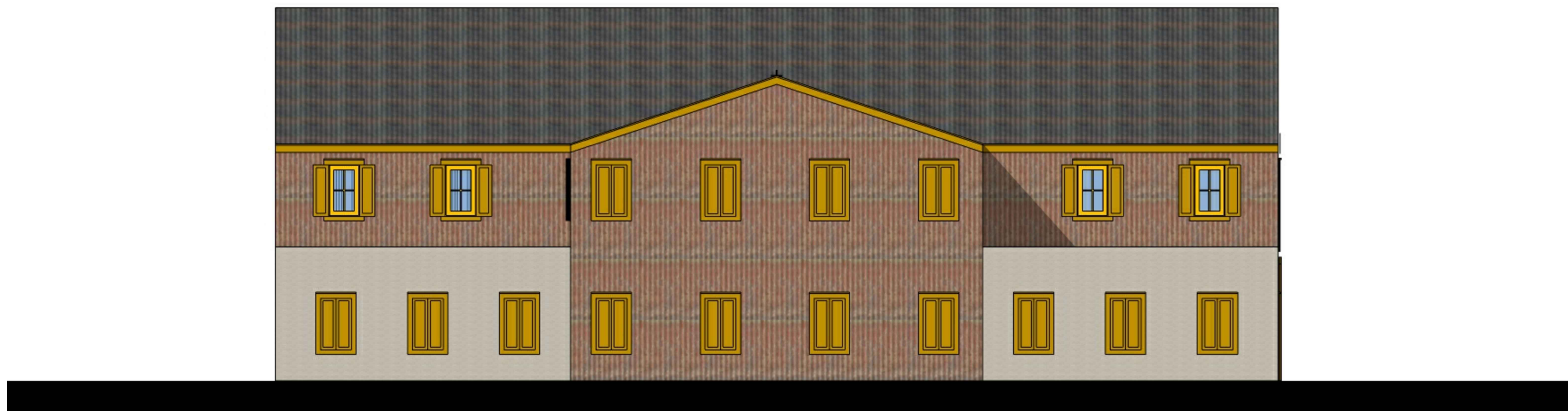
November 01, 2018

SUMMA
ARCHITECTURE
5256 S. Mission Road, Ste. 404
Bonsall, CA 92003
www.summarch.com 760.724.1198





REAR ELEVATION



LEFT ELEVATION



RIGHT ELEVATION



FRONT ELEVATION



PERSPECTIVE 2



PERSPECTIVE 1

WILDOMAR, CA

CONCEPTUAL BUILDING PERSPECTIVES

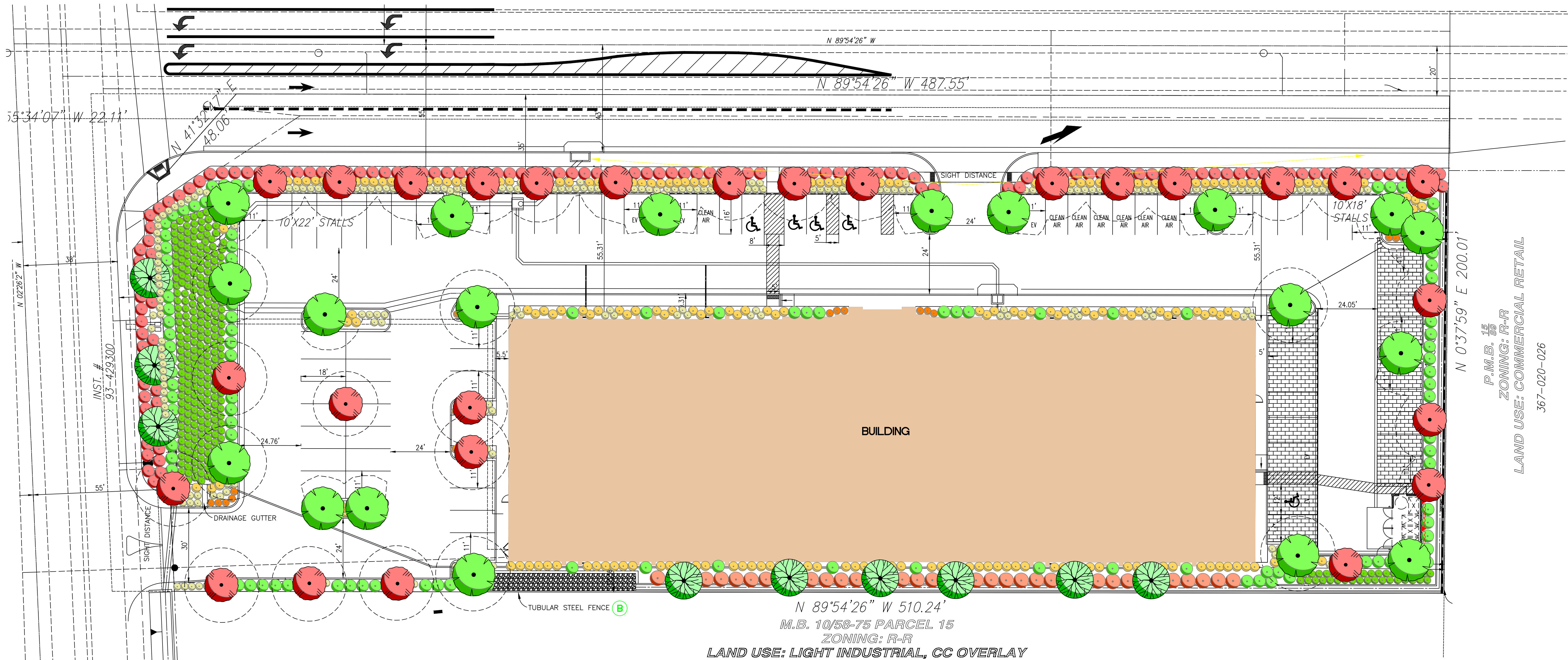
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WILDOMAR SHOOTING ACADEMY

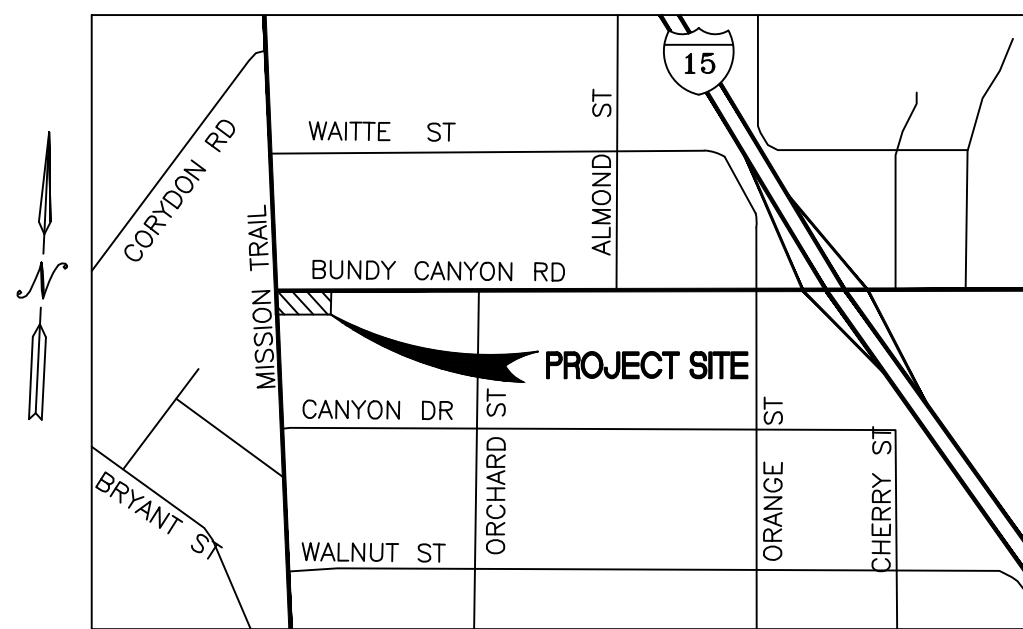
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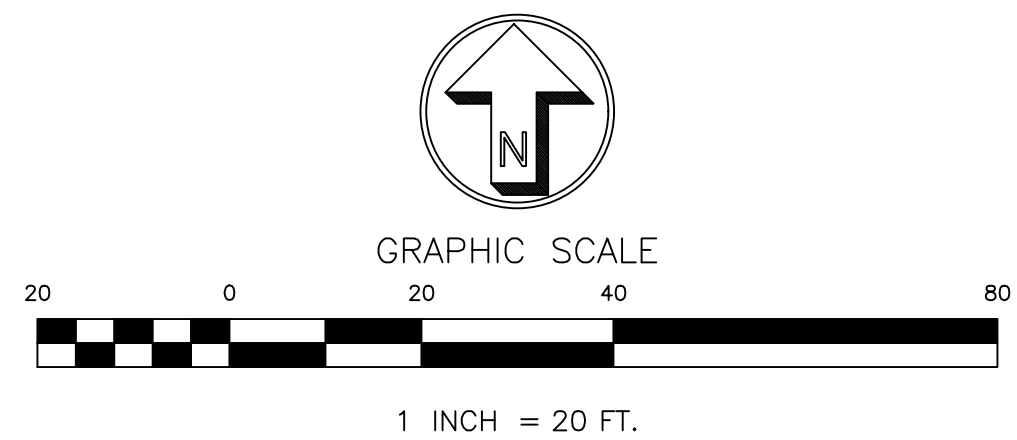
A-5



PLANTING LEGEND						
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	NUMBER	REMARKS	WUCOLS IV
TREES:						
	CHITALPA TASHKENTENSIS	PINK FLOWERING CHITALPA	24" BOX	27	DOUBLE STAKE / HEIGHT 8-10' , SPREAD 3'-4' MIN.	L
	CALLISTEMON VIMINALIS	WEeping BOTTLE BRUSH	24" BOX	9	DOUBLE STAKE / HEIGHT 8-10' , SPREAD 3'-4' MIN.	L
	RHUS LANCEA	AFRICAN SUMAC	24" BOX	19	DOUBLE STAKE / HEIGHT 8-10' , SPREAD 3'-4' MIN.	L
SHRUBS:						
	ANIGOZANTHUS FLAVIDUS 'VELVET AMBER'	AMBER KANGAROO PAWS	5 GAL	73	FULL & BUSHY @ 3' O.C.	L
	HESPERALOE PARVIFLORA	RED YUCCA	5 GAL	238	FULL & BUSHY @ 4' O.C.	L
	BACCHARIS PILULARIS 'PIGEON POINT'	PROSTRATE COYOTE BUSH	1 GAL	139	TRIANGULAR SPACING @ 5' O.C.	L
	HETEROMELES ARBUTIFOLIA	TOYON	5 GAL	27	FULL & BUSHY @ 6' O.C.	L
	LEUCOPHYLLUM FRUTECENS	TEXAS RANGER	5 GAL	114	FULL & BUSHY @ 5' O.C.	L
	CALLISTEMON VIMINALIS 'LITTLE JOHN'	DWARF BOTTLE BRUSH	5 GAL	396	FULL & BUSHY @ 3' O.C.	L
	JUNCUS PATENS	CALIFORNIA RUSH	1 GAL	292	FULL & BUSHY @ 3' O.C.	L
VINES:						
	MACFADENYA 'UNGUIS CATI'	CAT'S CLAW VINE	5 GAL	4	ATTACH TO WALLS & FENCE	L
MULCH :						
NOT SHOWN	FOREST FLOOR WOOD MUCH	MEDIUM GRIND WOOD MULCH	3" MAX.	AS REQ'D.	3" DEEP - INSTALL TO ALL PLANTING AREAS TYP.	



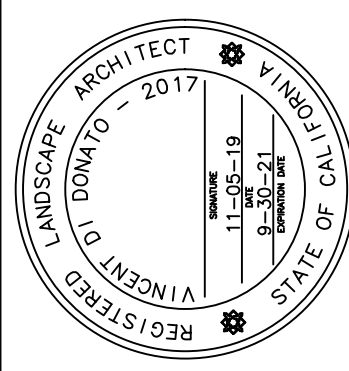
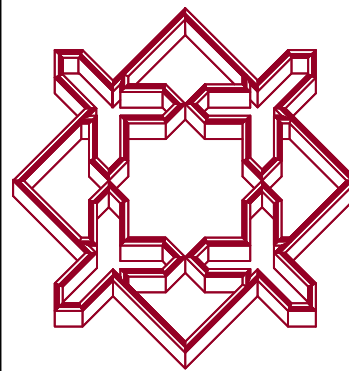
VICINITY MAP
NOT TO SCALE
THOMAS GUIDE 2014
PAGE 897, GRID A-4
SEC. 27, T6S, R4W



COLOR CONCEPT PLAN

REVISED

ALHAMBRA GROUP
LANDSCAPE ARCHITECTURE
California license #2017
RECREATION FACILITIES PLANNING
41635 Enterprise Circle North, Suite C
Temecula, CA 92590 (951) 296-6602 FAX 296-6603

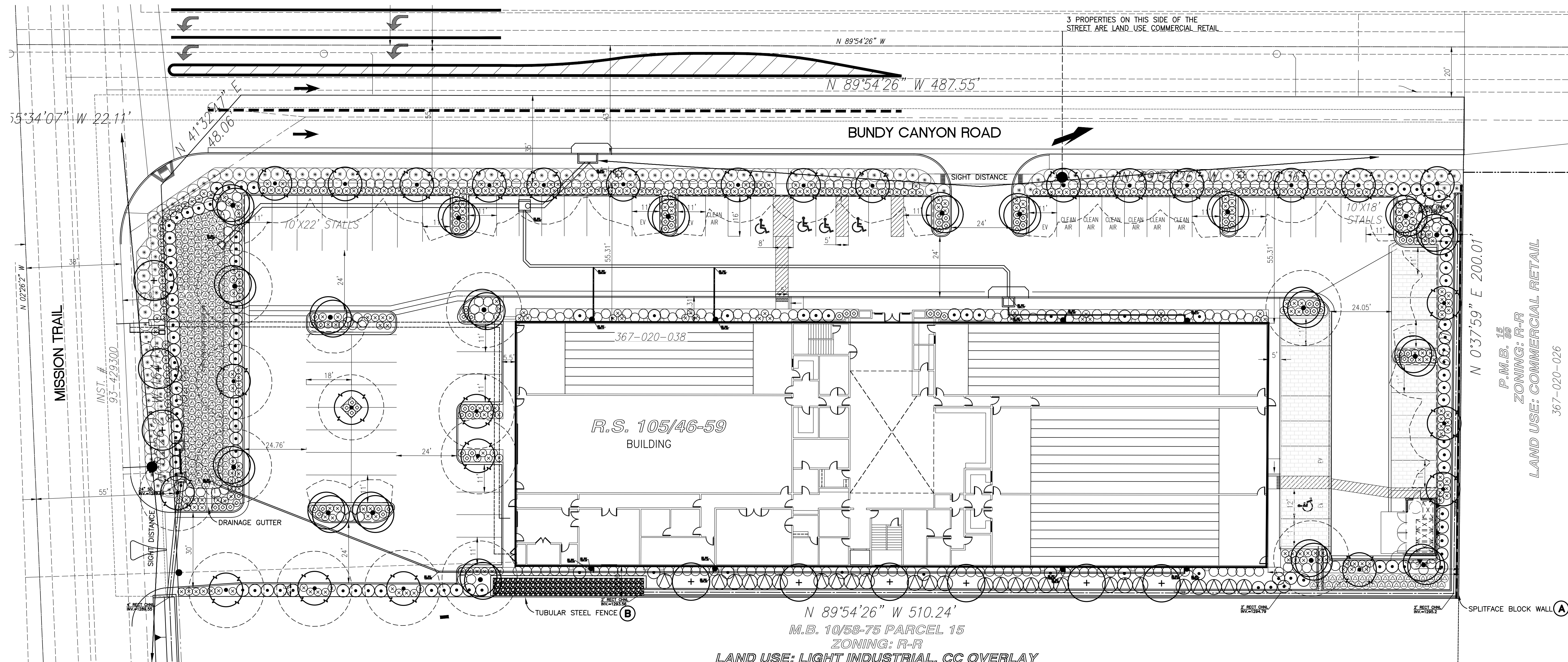
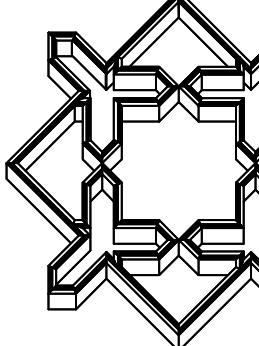


PROJECT: NEW KCG BLUE, LLC BUILDING

OWNER: KCG BLUE LLC

25759 GEARY BLVD. #541
SAN FRANCISCO, CA PH (760) 846-9760 CONTACT DONNY MACLEAN

drawn: V.D.
checked: V.D.
date: 11-05-19
SHEET
L-1
of 1 sheets
JOB NO.
18-116



VICINITY MAP
NOT TO SCALE
THOMAS GUIDE 2014
PAGE 897, GRID A-4
SEC. 27, 16S, 84W

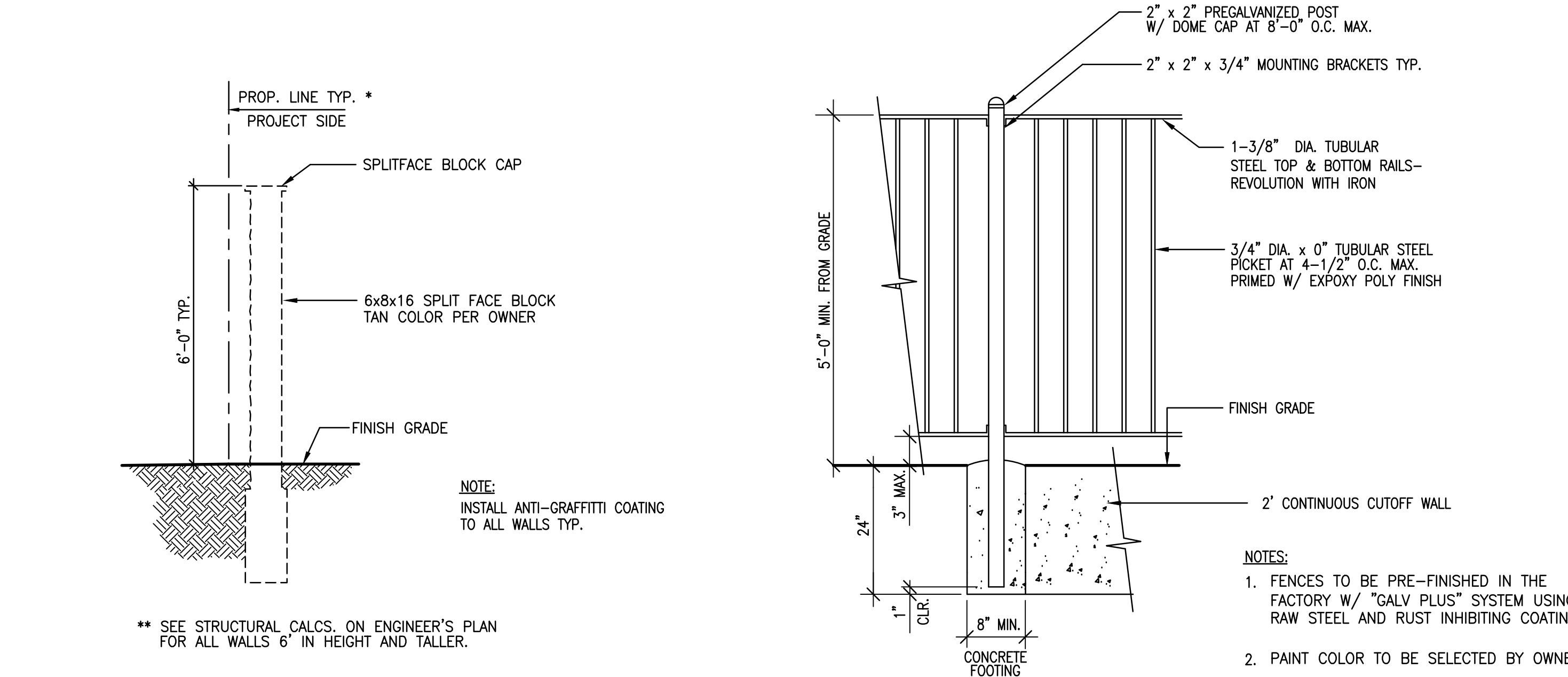
SHADE REQUIREMENT
PROVIDED 80 SPACES @ 162 S.F. EA = 12,960 S.F.
12,960 S.F. @ 50% COVERAGE REQUIRED = 6,480 S.F.
ACTUAL AREA SHADED = 6,494 S.F.

INTERIOR LANDSCAPE REQUIREMENT
PROVIDED 80 SPACES @ 162 S.F. EA = 12,960 S.F.
12,960 S.F. @ 10% COVERAGE REQUIRED = 1,296 S.F.
ACTUAL AREA = 2,314 S.F.

- NOTES:**
1. ALL PLANTING AND IRRIGATION SHALL CONFORM TO THE CITY OF WILDOMAR ORDINANCES AND STANDARDS.
 2. A DRIP IRRIGATION SYSTEM SHALL BE UTILIZED FOR THIS PROJECT PER THE CITY OF WILDOMAR'S WATER EFFICIENT LANDSCAPING ORDINANCE AND IRRIGATION IMPLEMENTATION GUIDELINES, TITLE 17.276
 3. ALL MATURE PLANTING SHALL NOT INTERFERE WITH UTILITY LINES OR TRAFFIC SITE LINES.
 4. ALL UTILITIES SHALL BE SCREENED W/ PLANTING TYP.
 5. ALL PLANTING SHALL CONFORM TO THE CITY OF WILDOMAR ORD. 859 LIST OR AS APPROVED BY THE CITY PLANNING DIRECTOR.
 6. ALL LANDSCAPE SHALL BE MAINTAINED BY THE OWNER.
 7. AN AGRONOMIC SOILS REPORT WILL BE PREPARED BY THE LANDSCAPE CONTRACTOR FROM THE SOIL IN THE FINISHED PLANTING AREAS.
 7. THE TREES SHALL BE PLANTED THE FOLLOWING DISTANCES FROM:
10' FROM WATER OR SEWER LINES
30' FROM INTERSECTION
10' FROM STREET LIGHT
10' FROM FIRE HYDRANT AND STREET SIGN
10' FROM DRIVEWAY APPROACH
MATURE HEIGHT NO TALLER THAN 20' IF PLANTED UNDER UTILITY LINE

LANDSCAPE AREA
7,405 S.F.

PROJECT ADDRESS
34020 MISSION TRAIL
WILDOMAR, CA



A 6' SPLITFACE BLOCK WALL N.T.S.
B TUBULAR STEEL FENCE N.T.S.

PLANTING LEGEND						
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	NUMBER	REMARKS	WUCOLS IV
TREES:						
●	CHITALPA TASHKENTENSIS	PINK FLOWERING CHITALPA	24" BOX	27	DOUBLE STAKE / HEIGHT 8'-10' , SPREAD 3'-4" MIN.	L
●	CALLISTEMON VIMINALIS	WEeping BOTTLE BRUSH	24" BOX	9	DOUBLE STAKE / HEIGHT 8'-10' , SPREAD 3'-4" MIN.	L
●	RHUS LANCEA	AFRICAN SUMAC	24" BOX	19	DOUBLE STAKE / HEIGHT 8'-10' , SPREAD 3'-4" MIN.	L
SHRUBS:						
⊙	ANIGOZANTHUS FLAVIDUS 'VELVET AMBER'	AMBER KANGAROO PAWS	5 GAL	73	FULL & BUSHY @ 3' O.C.	L
○	HESPERALOE PARVIFLORA	RED YUCCA	5 GAL	236	FULL & BUSHY @ 4' O.C.	L
⊗	BACCHARIS PILULARIS 'PIGEON POINT'	PROSTRATE COYOTE BUSH	1 GAL	139	TRIANGULAR SPACING @ 5' O.C.	L
⊗	HETEROMELES ARBUTIFOLIA	TOYON	5 GAL	27	FULL & BUSHY @ 6' O.C.	L
⊗	LEUCOPHYLLUM FRUTECENS	TEXAS RANGER	5 GAL	113	FULL & BUSHY @ 5' O.C.	L
⊗	CALLISTEMON VIMINALIS 'LITTLE JOHN'	DWARF BOTTLE BRUSH	5 GAL	396	FULL & BUSHY @ 3' O.C.	L
⊗	LIUNCUS PATENS	CALIFORNIA RUSH	1 GAL	292	FULL & BUSHY @ 3' O.C.	L
VINES:						
~	MACFADENYA 'UNGUIS CATI'	CAT'S CLAW VINE	5 GAL	4	ATTACH TO WALLS & FENCE	L
MULCH :						
NOT SHOWN	FOREST FLOOR WOOD MULCH	MEDIUM GRIND WOOD MULCH	3" MAX.	AS REQ'D.	3" DEEP - INSTALL TO ALL PLANTING AREAS TYP.	

Point of Connection # 1						
Maximum Applied Water Allowance (MAWA)						
Total MAWA = (ETo x 0.7 x LA in Sq. Ft. x 0.62) + (ETo x 1.0 x SLA in Sq. Ft. x 0.62) = Gallons per year for LA+SLA						
where: MAWA = Maximum Applied Water Allowance (gallons per year) ETo = Reference Evapotranspiration (inches per year) 0.7 = Evapotranspiration Adjustment Factor (ETAF) 1.0 = ETAF for Special Landscaped Area LA = Landscaped Area (square feet) 0.62 = Conversion factor (to gallons per square foot) SLA = Special Landscaped Area (square feet)						
MAWA Calculation:						
MAWA for LA =	55.45	x	0.7	x	7,405	= 178,204
MAWA for SLA =	55.45	x	1.0	x	0	= 0
Total MAWA =					7,405	= 178,204
Estimated Applied Water Use						
EAWU = ETo x K _s x LA x 0.62 ÷ IE = Gallons per year						
where: EAWU = Estimated Applied Water Use (gallons per year) ETo = Reference Evapotranspiration (inches per year) K _s = Species Factor (range = 0.1-0.9) (see WUCOLS list for values) K _f = Reference Evapotranspiration (inches per year) K _f = Landscaping Coefficient (range = 0.5-1.3) (see WUCOLS for density value ranges) K _m = microclimate factor (range = 0.5-1.4) (see WUCOLS) WUCOLS - www.owue.water.ca.gov/docs/wucols00.pdf LA = Landscaped Area (square feet) 0.62 = Conversion factor (to gallons per square foot) IE = Irrigation Efficiency = IME x DU IME = Irrigation Management Efficiency (90%) DU = Distribution Uniformity of irrigation head						
EAWU Calculation:						
Special Landscaped Area	ETo	K _s	LA	Conversion	IE	EAWU (Gallons Per Year)
Cool Season Turf	55.45	x	0.9	x	0.62	= 0
Warm Season Turf	55.45	x	0.9	x	0.62	= 0
High Water Using Shrub	55.45	x	0.8	x	0.62	= 0
Medium Water Using Shrub	55.45	x	0.5	x	0.62	= 0
Low Water Using Shrub	55.45	x	0.2	x	0.62	= 59,900
Very Low Water Using Shrubs	55.45	x	0.1	x	0.62	= 0
		x		x	0.62	=
		x		x	0.62	=
		x		x	0.62	=
		x		x	0.62	=
		x		x	0.62	=
		x		x	0.62	=
		x		x	0.62	=
Other	x		x	x	0.62	=
Total EAWU =			7,405			= 59,900