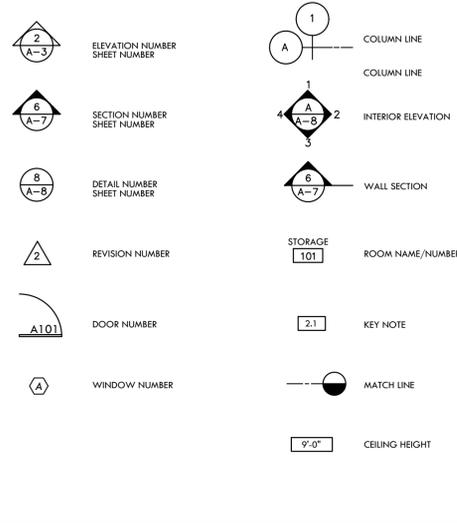


RIVERWALK HOA AREA 7 SITE IMPROVEMENTS

RIVERWALK HOA AREA 7 - RIVERSIDE, CALIFORNIA



SYMBOLS

A.C.	ASPHALT CONCRETE	FURR.	FURRING	PT.	PAINT
A.C.T.	ACOUSTIC TILE	FLASH.	FLASHING	P.L.	PROPERTY LINE
AC.PL.	ACOUSTICAL PLASTER	FT.	FEET	PRTN.	PARTITION
ADD.	ADDENDUM	FTG.	FOOTING	PL.	PLATE
ADJ.	ADJUSTABLE	GA.	GALUICE	PLWD.	PLYWOOD
ADJ.C.	ADJACENT	GALV.	GALVANIZED	POL.	POLISHED
A.F.F.	ABOVE FINISHED FLOOR	G.I.	GALVANIZED IRON	PR.	PAIR
ALT.	ALTERNATE	GL.	GLASS	PROP.	PROPERTY
AL.	ALUMINUM	GR.	GRADE	Q.T.	QUARRY TILE
APPROX.	APPROXIMATELY	GRD.	GROUND	R.	RADIUS
ASB.	ASBESTOS	GYP.	GYPSPUM	R.C.	REINFORCED CONCRETE
BD.	BOARD	G.B.	GYPSPUM BOARD	R.D.	ROUND
BLDG.	BUILDING	H.B.	HOSE BIBB	R.D.	ROUND
BLK.	BLOCK	H.C.	HOLLOW CORE	R.D.	ROUND
BLKG.	BLOCKING	H.M.	HOLLOW METAL	RECT.	RECTANGULAR
BM.	BEAM	HORIZ.	HORIZONTAL	REF.	REFERENCE
B.O.	BOTTOM OF	H.P.T.	HIGH POINT	REG.	REGISTER
BS.	BOTTOM OF STEEL	HR.	HOUR	REINF.	REINFORCED
C.P.T.	CARPET	HT.	HEIGHT	REQ.	REQUIRED
CA.B.	CATCH BASIN	HTG.	HEATING	RESIL.	RESILIENT
C.C.	CENTER TO CENTER	HWD.	HARDWOOD	RET.	RETAINING
CEM.	CEMENT	HWR.	HARDWARE	REV.	REVISION
CEM.PL.	CEMENT PLASTER	I.D.	INSIDE DIAMETER	RFG.	ROOFING
C.T.	CERAMIC TILE	INFO.	INFORMATION	RM.	ROOM
C.I.	CAST IRON	INT.	INTERIOR	R.O.	ROUGH OPENING
C.J.	CONSTRUCTION JOINT	INSUL.	INSULATION	RUB.	RUBBER
C.L.	CHAIN LINK	INV.	INVERT	S.C.	SOLID CORE
CLG.	CEILING	ISOL.	ISOLATION	S.D.	STORM DRAIN
CLR.	CLEAR	JAN.	JANITOR	SCHED.	SCHEDULE
C.O.	CLEANOUT	JT.	JOINT	SECT.	SECTION
COL.	COLUMN	JT.	JOINT	SIM.	SIMILAR
COMP.	COMPOSITION	LAB.	LABORATORY	SHT.	SHEET
CMU.	CONCRETE MASONRY UNIT	LAB.	LABORATORY	S.J.	SEPARATION JOINT
CONC.	CONCRETE	LAM.	LAMINATED	SM.	SMOOTH
CORR.	CORRIDOR	LB.	POUNDS	SM.PL.	SMOOTH PLASTER
CONT.	CONTINUOUS	LAV.	LAVATORY	SPEC.	SPECIFICATIONS
CL	CENTERLINE	LT.	LIGHT	STL.	STEEL
CU.	COPPER	LT.WT.	LIGHT WEIGHT	SS.	STAINLESS STEEL
		L.P.T.	LOW POINT	STAT.	STATIONARY
DET.	DETAIL	STOR.	STORAGE	STR.	STANDARD
DSP.	DRY STANDPIPE	STRUC.	STRUCTURAL	STRUC.	STRUCTURAL
DIA.	DIAMETER	STRUC.	STRUCTURAL	STRUC.	STRUCTURAL
DIM.	DIMENSION	STRUC.	STRUCTURAL	STRUC.	STRUCTURAL
DIV.	DIVISION	STRUC.	STRUCTURAL	STRUC.	STRUCTURAL
DOC.S.	DOCUMENTS	STRUC.	STRUCTURAL	STRUC.	STRUCTURAL
DN.	DOWN	STRUC.	STRUCTURAL	STRUC.	STRUCTURAL
DR.	DOOR	STRUC.	STRUCTURAL	STRUC.	STRUCTURAL
D.S.	DOWNSPOUT	STRUC.	STRUCTURAL	STRUC.	STRUCTURAL
DWGS.	DRAWINGS	STRUC.	STRUCTURAL	STRUC.	STRUCTURAL
EA.	EACH	STRUC.	STRUCTURAL	STRUC.	STRUCTURAL
E.J.	EXPANSION JOINT	STRUC.	STRUCTURAL	STRUC.	STRUCTURAL
EP.	ELECTRIC PANEL	STRUC.	STRUCTURAL	STRUC.	STRUCTURAL
EL.	ELEVATION	STRUC.	STRUCTURAL	STRUC.	STRUCTURAL
ELECT.	ELECTRIC	STRUC.	STRUCTURAL	STRUC.	STRUCTURAL
ENAM.	ENAMEL	STRUC.	STRUCTURAL	STRUC.	STRUCTURAL
E.W.C.	ELECTRIC WATER COOLER	STRUC.	STRUCTURAL	STRUC.	STRUCTURAL
EQ.	EQUAL	STRUC.	STRUCTURAL	STRUC.	STRUCTURAL
EXIST.	EXISTING	STRUC.	STRUCTURAL	STRUC.	STRUCTURAL
EXP.	EXPOSED	STRUC.	STRUCTURAL	STRUC.	STRUCTURAL
EXPAN.	EXPANSION	STRUC.	STRUCTURAL	STRUC.	STRUCTURAL
EXT.	EXTERIOR	STRUC.	STRUCTURAL	STRUC.	STRUCTURAL
F.D.	FLOOR DRAIN	STRUC.	STRUCTURAL	STRUC.	STRUCTURAL
FLUOR.	FLUORESCENT	STRUC.	STRUCTURAL	STRUC.	STRUCTURAL
F.S.	FACE OF STUDS	STRUC.	STRUCTURAL	STRUC.	STRUCTURAL
F.F.	FINISHED FLOOR	STRUC.	STRUCTURAL	STRUC.	STRUCTURAL
F.O.F.	FACE OF FINISH	STRUC.	STRUCTURAL	STRUC.	STRUCTURAL
F.G.	FINISH GRADE	STRUC.	STRUCTURAL	STRUC.	STRUCTURAL
F.O.M.	FACE OF MASONRY	STRUC.	STRUCTURAL	STRUC.	STRUCTURAL
F.O.C.	FACE OF CONCRETE	STRUC.	STRUCTURAL	STRUC.	STRUCTURAL
F.H.C.	FIRE HOSE CABINET	STRUC.	STRUCTURAL	STRUC.	STRUCTURAL
F.O.S.	FACE OF STUD	STRUC.	STRUCTURAL	STRUC.	STRUCTURAL
FL.	FLOOR	STRUC.	STRUCTURAL	STRUC.	STRUCTURAL
F.S.	FLOOR SINK	STRUC.	STRUCTURAL	STRUC.	STRUCTURAL

ABBREVIATIONS

- THESE DRAWINGS INDICATE THE GENERAL SCOPE OF THE PROJECT IN TERMS OF ARCHITECTURAL DESIGN CONCEPT, THE DIMENSIONS OF THE BUILDING, THE MAJOR ARCHITECTURAL ELEMENTS AND THE TYPE OF STRUCTURAL, MECHANICAL, ELECTRICAL SYSTEMS. ON THE BASIS OF THE GENERAL SCOPE INDICATED OF DESCRIBED, THE CONTRACTOR SHALL FURNISH ALL ITEMS REQUIRED FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK. DECISIONS OF THE ARCHITECT AS TO THE ITEMS OF WORK INCLUDED WITHIN THE SCOPE OF THESE DOCUMENTS SHALL BE FINAL AND BINDING TO THE CONTRACTOR AND THE OWNER.
- ALL CONSTRUCTION AND MATERIALS SHALL BE AS SPECIFIED AND AS REQUIRED BY THE CURRENT EDITION OF THE C.B.C., LOCAL CODES AND AUTHORITIES. ALL NEW CONSTRUCTION SHALL COMPLY WITH TITLE 24, AND ADA REQUIREMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURATE PLACEMENT OF THE BUILDING ON THE SITE.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK. SHOULD A DISCREPANCY APPEAR IN THE SPECIFICATIONS OR DRAWINGS, OR IN THE WORK DONE BY OTHERS FROM THE CONTRACT DOCUMENT THAT AFFECT ANY WORK, NOTIFY THE ARCHITECT AT ONCE FOR INSTRUCTIONS ON HOW TO PROCEED. IF THE CONTRACTOR PROCEEDS WITH THE WORK AFFECTED WITHOUT INSTRUCTIONS FROM THE ARCHITECT, THE CONTRACTOR SHALL MAKE GOOD ANY RESULTING DAMAGE OR DEFECT TO THE SATISFACTION OF THE ARCHITECT. SHOULD A CONFLICT OCCUR IN OR BETWEEN DRAWINGS AND SPECIFICATIONS, OF WHERE DETAIL REFERENCES ON CONTRACT DRAWINGS HAVE BEEN OMITTED, THE CONTRACTOR IS DEEMED TO HAVE ESTIMATED THE MOST EXPENSIVE MATERIALS AND CONSTRUCTION METHOD INVOLVED, UNLESS A WRITTEN DECISION FROM THE ARCHITECT HAS BEEN OBTAINED WHICH DESCRIBES AN ALTERNATE METHOD AND/OR MATERIALS.
- THE CONTRACTOR SHALL CONFINE HIS OPERATIONS ON THE SITE TO AREAS PERMITTED BY THE OWNER. THE WORK SHALL BE DONE IN ACCORDANCE WITH APPLICABLE LAWS, LOCAL ORDINANCES, PERMITS AND THE CONTRACT DOCUMENTS. THE JOB SITE SHALL BE MAINTAINED IN A CLEAN, ORDERLY CONDITION FREE OF DEBRIS AND LITTER, AND SHALL NOT BE UNREASONABLY ENCLUMBERED WITH ANY MATERIALS OR EQUIPMENT. EACH SUB-CONTRACTOR IMMEDIATELY UPON COMPLETION OF EACH PHASE OF HIS WORK SHALL REMOVE ALL TRASH AND DEBRIS AS A RESULT OF HIS OPERATION.
- ALL MATERIAL STORED ON THE SITE SHALL BE PROPERLY STACKED AND PROTECTED TO PREVENT DAMAGE AND DETERIORATION UNTIL USE. FAILURE TO PROTECT MATERIALS MAY BE CAUSE FOR REJECTION OF WORK.
- THE CONTRACTOR SHALL DO ALL CUTTING, FITTING, OR PATCHING OF HIS WORK THAT MAY BE REQUIRED TO MAKE ITS PARTS FIT TOGETHER PROPERLY AND SHALL NOT ENDANGER ANY OTHER WORK BY CUTTING, EXCAVATING, OR OTHERWISE ALTERING THE TOTAL WORK OR ANY PART OF IT. ALL PATCHING, REPAIRING AND BRACING OF MATERIALS AND SURFACES, CUT OR DAMAGED IN EXECUTION OF WORK, SHALL BE DONE WITH APPLICABLE MATERIALS SO THAT SURFACES REPLACED WILL, UPON COMPLETION MATCH SURROUNDING SIMILAR SURFACES.
- NO PORTION OF THE WORK REQUIRING A SHOP DRAWING OR SAMPLE SUBMISSION SHALL BE COMMENCED UNTIL THE SUBMISSION HAS BEEN APPROVED BY THE ARCHITECT. ALL SUCH PORTIONS OF THE WORK SHALL BE IN ACCORDANCE WITH APPROVED SHOP DRAWINGS AND SAMPLES.
- DIMENSIONS:
 - ALL DIMENSIONS SHALL HAVE PREFERENCE OVER SCALE.
 - ALL DIMENSIONS ARE TO FACE OF STRUCTURE UNLESS OTHERWISE NOTED.
 - CEILING HEIGHT DIMENSIONS ARE FROM FINISH FLOOR SLAB TO FINISH FACE OF CEILING.
- ALL LEGAL EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT. EXIT SIGNS SHALL BE PROVIDED AT ALL EXITS AS REQUIRED BY CODE. ALL DOORS SERVING AN OCCUPANT LOAD OF 50 OR MORE SHALL SWING IN THE DIRECTION OF EXIT OR AS REQUIRED BY CODE. THE CONTRACTOR MAY PROVIDE A SIGN READING "THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS. THIS SIGNS APPLIES ONLY TO THE MAIN EXIT. ALL EXITS SHALL BE LIGHTED WITH AT LEAST ONE FOOT CANDLE AT FLOOR LEVEL. REQUIREMENTS. ALL EXIT DOORS WHICH ARE USED FOR DISABLED ACCESS SHALL HAVE ON BOTH SIDES OF THE DOOR A FLOOR OR LANDING OF NOT MORE THAN 1/2" BELOW THE THRESHOLD.
- LIVE LOAD SIGNS: PROVIDE POSTED METAL SIGNS FOR EACH FLOOR PER THE REQUIREMENTS OF C.B.C. 1607.3.5. VERIFY LOCATION WITH ARCHITECT.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY SHORING AND TEMPORARY SUPPORTS AS REQUIRED.
- INTERIOR FINISHES SHALL BE TESTED AS SPECIFIED IN SECTION 803 AND OF CLASS 3 FLAME SPREAD RATING.
- THE STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS ARE SUPPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO CHECK WITH THE ARCHITECTURAL DRAWINGS BEFORE THE INSTALLATION OF STRUCTURAL, MECHANICAL AND ELECTRICAL WORK. ANY DISCREPANCY BETWEEN THE ARCHITECTURAL AND THE CONSULTING ENGINEER'S DRAWINGS, SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION FOR CLARIFICATION. ANY WORK INSTALLED IN CONFLICT WITH THE ARCHITECTURAL DRAWINGS SHALL BE CORRECTED BY THE GENERAL CONTRACTOR AT HIS OWN EXPENSE, AND AT NO EXPENSE TO THE OWNER OR ARCHITECT.
- THESE DOCUMENTS FOR CONSTRUCTION, ALTHOUGH PREPARED WITH GREAT CARE AND APPROPRIATE DILIGENCE, MAY REPRESENT IMPERFECT INFORMATION AND MAY CONTAIN CODE VIOLATIONS, ERRORS, OMISSIONS, CONTRADICTIONS AND IMPROPER USES OF MATERIALS. CONTRACTOR SHALL REVIEW THIS DOCUMENT PACKAGE THOROUGHLY AND SHALL NOTIFY ARCHITECT IMMEDIATELY UPON ANY SUCH DISCOVERY. ANY DEFICIENT ARCHITECTURAL/ENGINEERING SERVICES WILL BE PROMPTLY CORRECTED WHEN IDENTIFIED.
- THIS PROJECT SHALL CONFORM TO THE CURRENT EDITIONS OF THE CALIFORNIA BUILDING CODE, UNIFORM MECHANICAL CODE, CALIFORNIA MECHANICAL CODE, UNIFORM PLUMBING CODE, CALIFORNIA PLUMBING CODE, THE NATIONAL ELECTRICAL CODE, CALIFORNIA ELECTRICAL CODE, STATE TITLE 24, REGULATIONS, AND CITY AND COUNTY LAWS AND ORDINANCES.
- CONTRACTOR SHALL MAINTAIN THE MAXIMUM NUMBER OF REQUIRED EXITS AND THEIR SEPARATION UNTIL EGRESS IS PROVIDED FROM THE STRUCTURE.
- THE CONSTRUCTION SHALL NOT RESTRICT A FIVE-FOOT CLEAR AND UNOBSTRUCTED ACCESS TO ANY WATER OR POWER DISTRIBUTION FACILITIES (POWER POLES, PULL BOXES, TRANSFORMERS, VALVES, PUMPS, VALVES, METERS, APPURTENANCES, ETC) OR TO THE LOCATION OF THE HOOK-UP. THE CONSTRUCTION SHALL NOT BE WITHIN TEN FEET OF ANY POWER LINES WHETHER OR NOT THE LINES ARE LOCATED ON THE PROPERTY. FAILURE TO COMPLY MAY CAUSE CONSTRUCTION DELAYS AND/OR ADDITIONAL EXPENSES.
- AN APPROVED SEISMIC GAS SHUTOFF VALVE WILL BE INSTALLED ON THE FUEL GAS LINE ON THE DOWN STREAM SIDE OF THE UTILITY METER AND BE RIGIDLY CONNECTED TO THE EXTERIOR OF THE BUILDING OR STRUCTURE CONTAINING THE FUEL GAS PIPING. (PER ORDINANCE 170.158) (INCLUDES COMMERCIAL ADDITIONS AND T.J. WORK OVER \$10,000.) SEPARATE PLUMBING PERMIT IS REQUIRED.

GENERAL NOTES

CONSTRUCTION NOTES

FIRE NOTES

PROJECT ADDRESS: 11410 PARK TRAILS STREET
RIVERSIDE, CA 92505

OWNER: RIVERWALK HOA
11410 PARK TRAILS STREET
RIVERSIDE, CA 92505

DESIGNER: RAY MARTINES
5357 SAN VICENTE BLVD. #89
LOS ANGELES, CA 90019
951.675.4040

CONTRACTOR: AVENUE ELECTRIC INC.
NORCO, CA 92882
951-888-2500

PROJECT DIRECTORY

ALL WORK SHALL COMPLY WITH
2023 CALIFORNIA BUILDING CODE

PROJECT SUMMARY

SCOPE OF WORK:
SCOPE OF WORK: CONSTRUCTION 8 FEET HIGH WROUGHT IRON FENCE,
TWO 8 FEET HIGH WROUGHT IRON PEDESTRIAN GATES AND TWO 8 FEET
HIGH WROUGHT IRON VEHICLE GATES

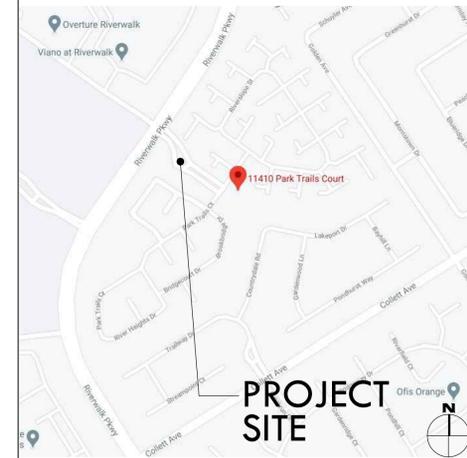
ARCHITECTURAL

A-0.1 COVER SHEET
A-1.1 PARTIAL SITE PLAN
A-1.2 ENLARGED SITE PLAN AND DETAILS

ELECTRICAL

E-0.1 SPECIFICATIONS, SYMBOLS AND ABBREVIATIONS
E-1 SITE PLAN
E-2 SINGLE LINE DIAGRAM

DRAWING INDEX



VICINITY MAP

SITE IMPROVEMENTS FOR:
RIVERWALK HOA
PROJECT ADDRESS:
11410 PARK TRAIL COURT
RIVERSIDE, CA 92505

CONSULTANTS

NO. DATE REVISION

THIS DRAWING AND THE DESIGN, ARRANGEMENTS, SPECIFICATIONS, IDEAS AND OTHER INFORMATION CONTAINED HEREIN CONSTITUTE UNPUBLISHED WORK OF RAM DESIGNS AND SHALL REMAIN PROPERTY OF RAM DESIGNS IN PERPETUITY. NO PART THEREOF SHALL BE REPRODUCED, COPIED, DISCLOSED, DISTRIBUTED, SOLD, PUBLISHED OR OTHERWISE USED IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF RAM DESIGNS. VISUAL CONTACT WITH THE ABOVE DRAWINGS, IN ANY PART THEREOF, SHALL CONSTITUTE CONCLUSIVE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.

COVER SHEET

PROGRESS SET 09.16.20
NOT FOR
CONSTRUCTION

DRAWN • R.A.M.

CHECKED •

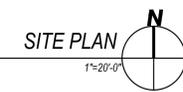
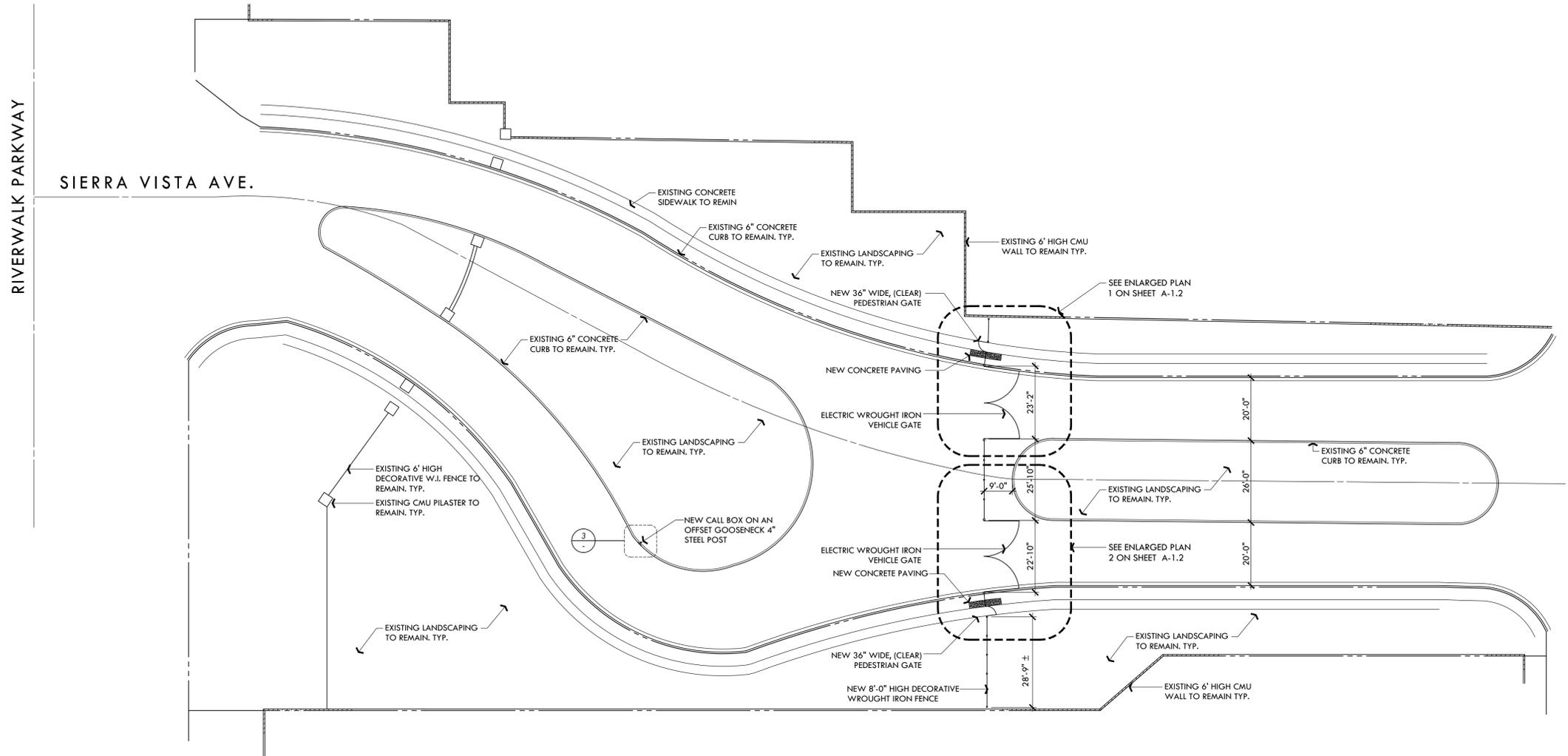
SCALE • NTS

DATE • 01.30.23

JOB • 20006

SHEET •

A0.1



SITE IMPROVEMENTS FOR:
 RIVERWALK HOA
 PROJECT ADDRESS:
 11410 PARK TRAIL COURT
 RIVERSIDE, CA 92505

CONSULTANTS

NO. DATE REVISION

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PARTIAL SITE PLAN ELEVATIONS

DRAWN • R.A.M.

CHECKED •

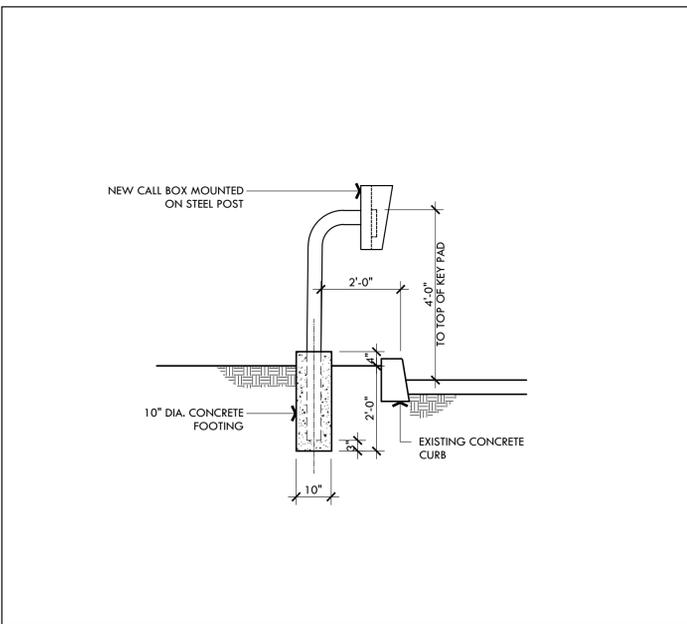
SCALE • AS NOTED

DATE • 01.30.23

JOB • 20006

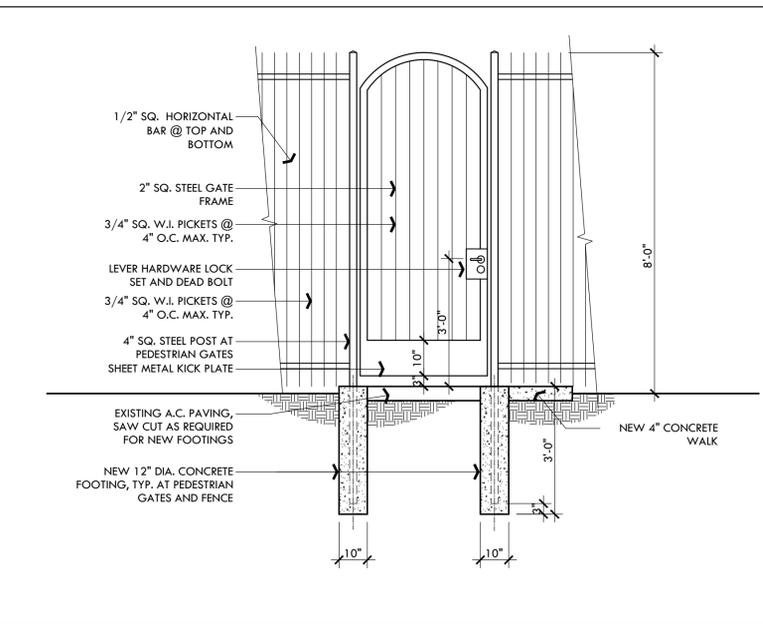
SHEET •

A-1.1



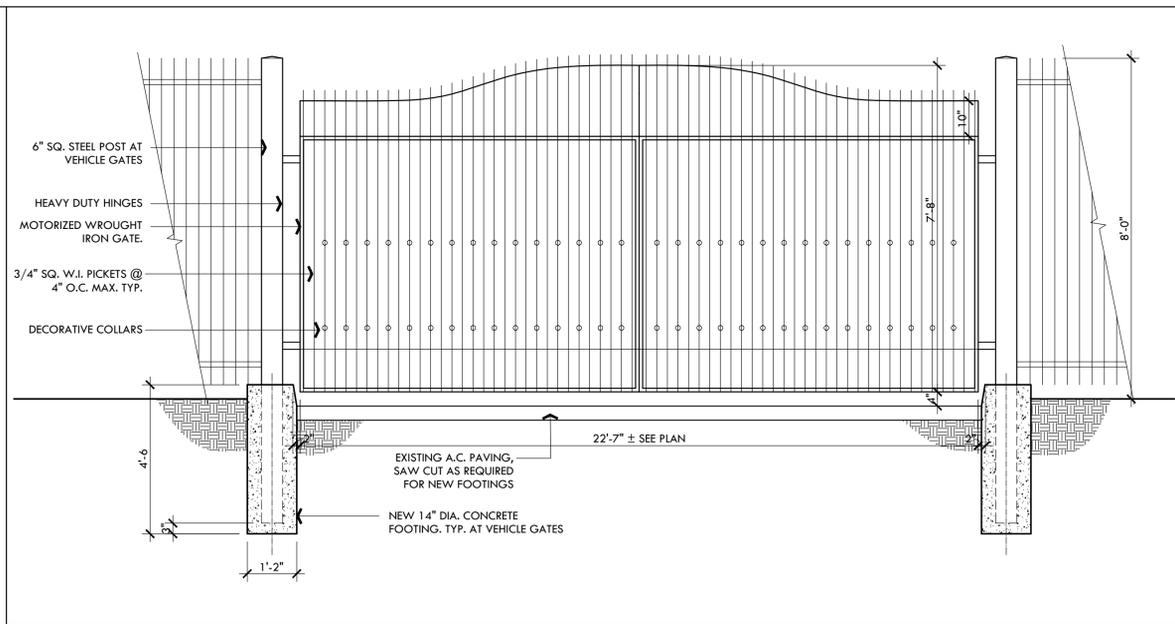
CALL BOX ELEVATION

SCALE: 1/2" = 1'-0" 3



PEDESTRIAN GATE ELEVATION

SCALE: 1/2" = 1'-0" 2

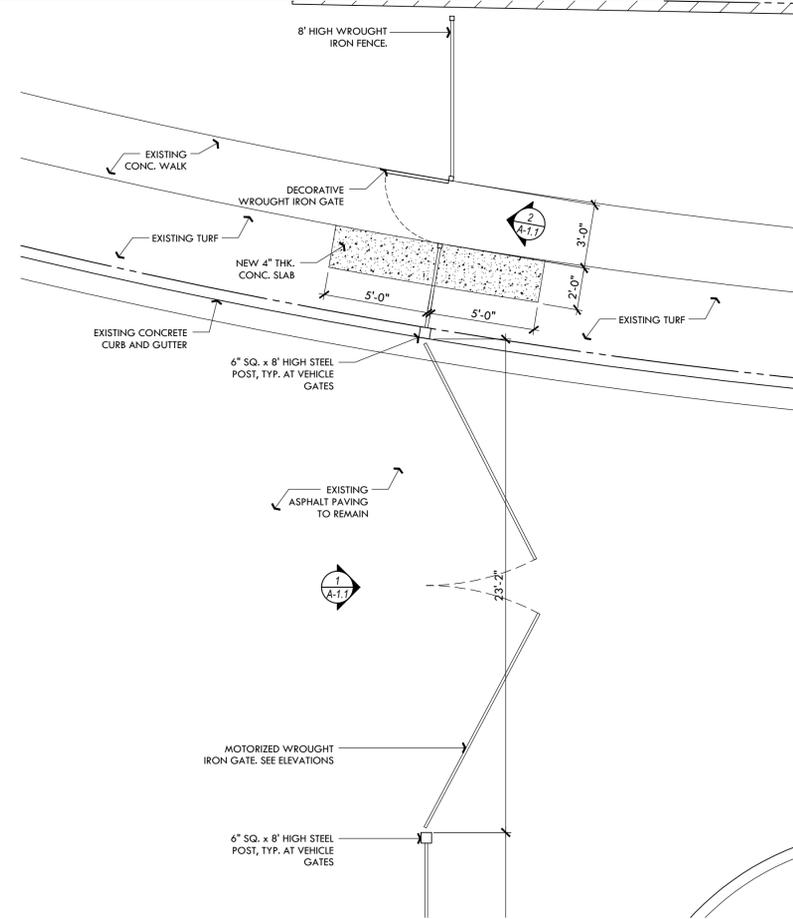


MAIN GATE ELEVATION

SCALE: 1/2" = 1'-0" 1

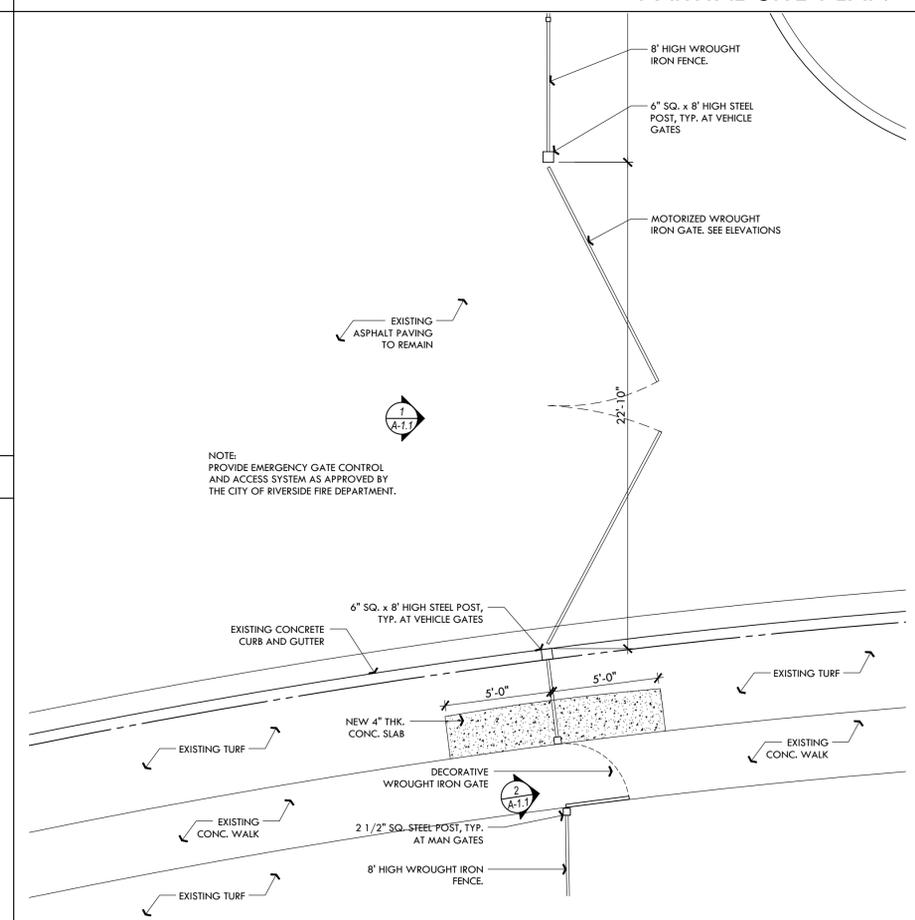
SITE IMPROVEMENTS FOR:
 RIVERWALK HOA
 PROJECT ADDRESS:
 11410 PARK TRAIL COURT
 RIVERSIDE, CA 92505

CONSULTANTS •



PARTIAL SITE PLAN

SCALE: 1/4" = 1'-0"
1



NOTE:
 PROVIDE EMERGENCY GATE CONTROL
 AND ACCESS SYSTEM AS APPROVED BY
 THE CITY OF RIVERSIDE FIRE DEPARTMENT.

PARTIAL SITE PLAN

SCALE: 1/4" = 1'-0"
2

NO. DATE REVISION

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ENLARGED PARTIAL SITE PLAN

DRAWN • R.A.M.

CHECKED •

SCALE • AS NOTED

DATE • 01.30.23

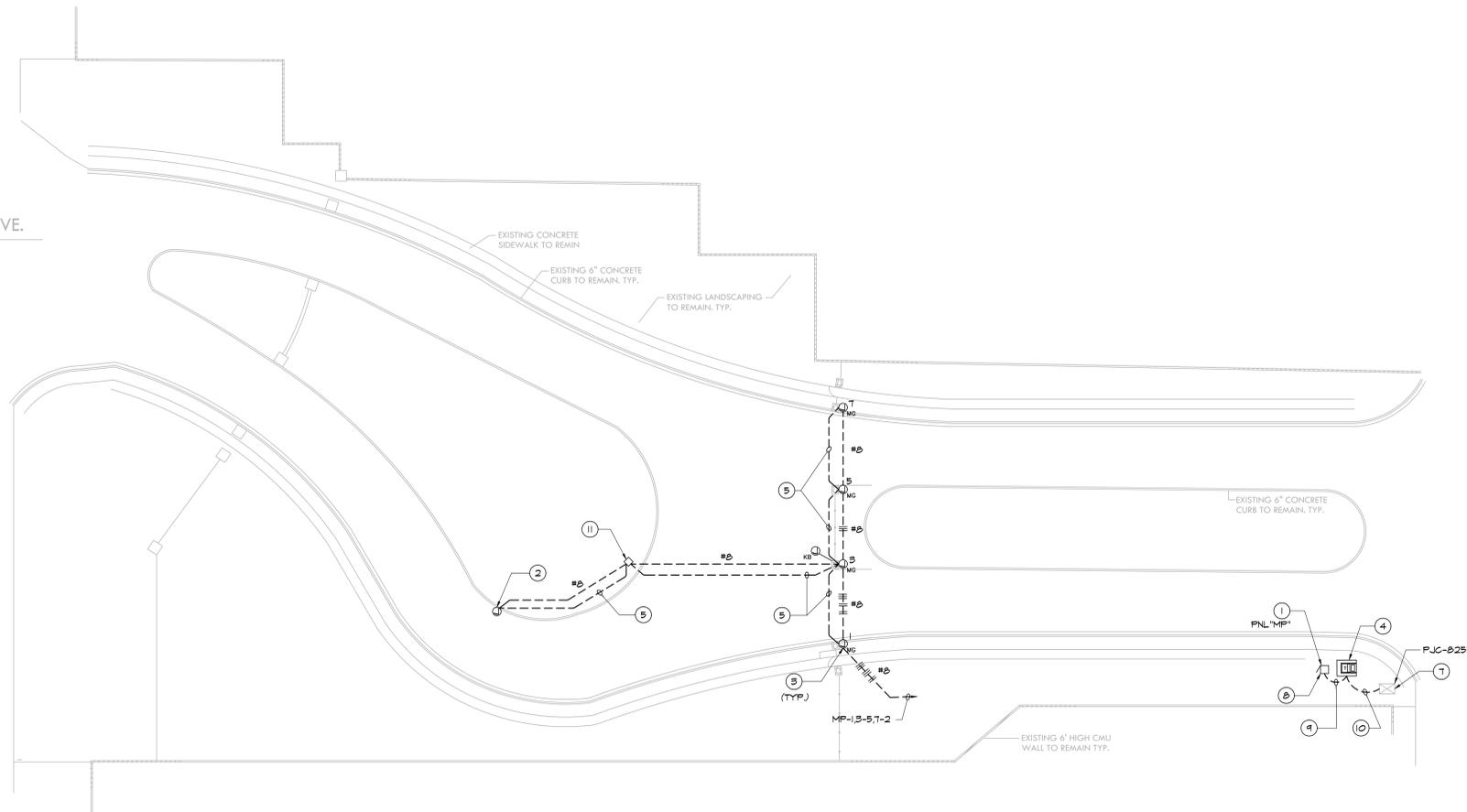
JOB • 20006

SHEET •

A1.2

RIVERWALK PARKWAY

SIERRA VISTA AVE.



6 SITE ELECTRICAL
SCALE: 1" = 20'-0"

REFERENCE NOTES (X)

- 1 PROVIDE NEW SERVICE METER PEDESTAL-MYERS MODEL MEU616/C-100 304 SST ENCLOSURE TYPE 3R, RAINPROOF, 120/240 VOLT, SINGLE PHASE, 3 WIRES, (1) 30A CIRCUIT, (SEE E-3).
- 2 PROVIDE NEW SUMMIT M1 TELEPHONE ENTRY SYSTEM MOUNTED ON METAL PEDESTAL. PROVIDE CONTROL WIRING PER MANUFACTURE REQUIREMENTS. MOUNTED ON METAL PEDESTAL.
- 3 PROVIDE NEW SWING GATE OPERATOR. PROVIDE FIRE STROBE SENSOR FOR AUTO OPEN FOR FIRST RESPONDERS.
- 4 PROVIDE CONCRETE TRANSFORMER PAD PER UTILITY COMPANY REQUIREMENTS.
- 5 PROVIDE CONTROL WIRING IN 1" CONDUIT ONLY, PER MANUFACTURE REQUIREMENTS.
- 6 SANGUT, TRENCH, BACKFILL, COMPACT TO MATCH EXISTING AFTER CONDUITS AND BOXES ARE INSTALLED.
- 7 EXISTING UTILITY COMPANY STRUCTURE.
- 8 PROVIDE METER PEDESTAL CONCRETE PAD PER UTILITY COMPANY REQUIREMENTS.
- 9 PROVIDE 3" C.O. FOR UTILITY COMPANY CONDUCTORS FROM TRANSFORMER TO METER PEDESTAL PER UTILITY COMPANY REQUIREMENTS.
- 10 PROVIDE 3" C.O. FOR UTILITY COMPANY CONDUCTORS FROM UTILITY STRUCTURE TO TRANSFORMER PER UTILITY COMPANY REQUIREMENTS.
- 11 PROVIDE AN 11"X11" CONCRETE FULLBOX WITH BOLT DOWN COVER, ENGRAVED "ELECTRICAL". ADD OTHER BOXES AS REQUIRED.

GENERAL SITE NOTES

(UNLESS OTHERWISE NOTED)

- A. CONTRACTOR SHALL VERIFY ALL LOCATIONS, MOUNTING HEIGHTS AND REQUIREMENTS WITH OWNER, ARCHITECT AND/OR TENANT AS REQUIRED. CONTRACTOR SHALL REVIEW ALL DRAWINGS AND INCLUDE IN HIS BID ALL COSTS APPLICABLE TO THE ELECTRICAL TRADE WHETHER SHOWN IN THESE DRAWINGS OR NOT.
- B. INCOMING UTILITIES ARE IN THE PROCESS OF BEING COORDINATED BUT ARE STILL NOT TOTALLY DEFINED. CONTRACTOR SHALL BUILD FROM TELEPHONE AND ELECTRICAL UTILITY COMPANY ENGINEERED DRAWINGS.
- C. COORDINATE ALL REQUIREMENTS AND STANDARDS WITH THE UTILITY COMPANY AND TELEPHONE COMPANY PRIOR TO CONSTRUCTION.
- D. CONTRACTOR SHALL COORDINATE WITH UTILITY CONSULTANT AS REQUIRED.
- E. ALL POWER AND TELEPHONE SERVICE CONDUITS SHALL BE PVC TYPE PER CORRESPONDING UTILITY COMPANY REQUIREMENTS.
- F. ALL UTILITY COMPANY CONDUITS SHALL BE INSTALLED PER UTILITY COMPANY REQUIREMENTS.
- G. UTILITY AND TELEPHONE CONDUITS MAY BE INSTALLED IN A COMMON TRENCH, PROVIDING THERE IS 12" MINIMUM SEPARATION BETWEEN SERVICE. COORDINATE WITH UTILITIES.
- H. ALL UTILITY FULL BOXES AND TRANSFORMER PADS SHALL BE INSTALLED LEVEL AND SET ON A 6" BED OF 3/4" GRAVEL. INCLUDE ALL OTHER INSTALLATION REQUIREMENTS DICTATED BY CORRESPONDING UTILITY COMPANY.
- I. ALL ELECTRICAL RELATED CONDITIONS SHALL BE VERIFIED IN FIELD PRIOR TO START OF CONSTRUCTION.
- J. CONTRACTOR SHALL PROVIDE FULL BOXES, SIZED PER CODE, AS REQUIRED TO FACILITATE PULLING OF CONDUCTORS. PROVIDE ALL PULLING CALCULATIONS.
- K. ALL UTILITY COMPANY PADS SHALL BE 3 FEET CLEAR MINIMUM FROM FACE OF ANY BUILDING OR FUTURE BUILDING. VERIFY REQUIREMENTS WITH UTILITY COMPANY PRIOR TO START OF WORK.
- L. PROVIDE PROTECTIVE BOLLARDS AROUND ALL STRUCTURES PER UTILITY COMPANY REQUIREMENTS.
- M. ENDS OF CONDUITS STUBBED UP THROUGH THE FLOOR SLAB SHALL BE GALVANIZED RIGID (GRG) TYPE, THREADED FOR A CAP WITH FULL-STRING. LABEL EACH LOCATION.
- N. PROVIDE 48" GRG 90° ELBOW AT EACH FULL END TO LIMIT CABLE BURN/FRICTION WHEN PULLING THE CABLES.
- O. ALL UNDERGROUND CONDUITS SHALL BE 3/4" MINIMUM.

SITE LEGEND

(SOME MAY NOT BE USED)

- Q₁₈ PROVIDE WP J-BOX FOR KNOX BOX. VERIFY EXACT LOCATION. PROVIDE 1" CO FROM KNOX BOX GATE OPERATOR.
- Q₁₉ PROVIDE WEATHERPROOF J-BOXES WITH 1" CO AND CONDUCTORS FOR MOTORIZED GATE ROCKER AND 1" CO AND CONDUCTORS FOR GATE CONTROL BETWEEN J-BOXES. PROVIDE 3/4" X 10" COPPER CLAD ROD AT EACH GATE MOTOR. BOND AS REQUIRED. VERIFY EXACT LOCATIONS AND REQUIREMENTS WITH OWNER.

UTILITY CONTACT	
COMPANY:	RIVERSIDE PUBLIC UTILITIES
ADDRESS:	3900 MAIN ST, 3RD FLOOR RIVERSIDE, CA 92522
CONTACT:	ADDIE REVUELTA
PHONE NO:	951-926-5484
EMAIL:	ARevuelta@riverside.gov



NOTE:
CONTACTING DIG ALERT DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF LOCATING THE EXISTING UTILITIES AND SERVICES



ENGINEERING RESOURCES
ELECTRICAL - MECHANICAL - ENGINEERS
27 MAHONEY, STE 200, RIVERSIDE, CA 92518
(951) 450-0437 (951) 450-0437 FAX

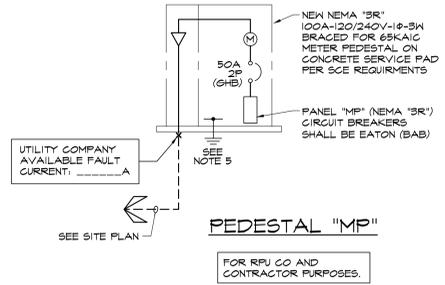
Avenue Electric Inc.
1445 E. Main Blvd., Suite E, Corona, CA 92626
(951) 272-4007
(951) 272-4008

DATE: 02/21/23
DRAWN: C.N.
CHECKED: C.N.
DESIGNED BY: C.N.

SITE PLAN

E-1

E.R.#22105



"MP" GATE MOTOR SINGLE LINE DIAGRAM ①②③④
N.T.S.

MOUNTED 10K AIC FLUSH FULLY RATED X THREE STANDING		NEW PANEL "MP" 120/240 VOLT 1PH 3W 100 AMP BUS		100 AMP MAIN CIRCUIT BREAKER MAIN USES ONLY X	
No	Description	Qty	Phase	Size	Notes
1	GATE MOTOR 1	1	15	750	1
3	GATE MOTOR 2	1	+	750	20
5	GATE MOTOR 3	1	15	750	1
7	GATE MOTOR 4	1	+	750	1
8	SPACE	2			
11	SPACE				

Individual Totals For Phases A & B = 1340 1340
Sum Total VA of Phases A & B = 2380
Long Continuous Load (Light Wattage) = 2380 x 125% = 2975
Total VA Minus Long Continuous Load = 1000 x 100% = 1000
Total VA Plus 125% Of Long Continuous Load = 3700
Average (Line Above Divided By Voltage) = 15
VA Of Highest Phase = 1340
Highest Phase Amperage = 13

FOR RFI GO AND CONTRACTOR PURPOSES.
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PROVIDE PERMANENT PLACARDS ON ALL NEW PANELS THAT INDICATE FEEDER RATING INCLUDING: AMPS-VOLTS-PHASES-WIRES.

REFERENCE NOTES

- ALL EQUIPMENT SHALL BE UL LISTED.
- ALL EQUIPMENT CLEARANCES SHALL BE PER CODE.
- SINGLE LINE IS ONLY DIAGRAMMATIC, PEDESTAL SHALL BE LAID OUT PER CORRESPONDING PLAN ON THESE DRAWINGS.
- PER ART. 110.22 EQUIPMENT WITH SERIES RATING APPLIED SHALL BE MARKED: 'CAUTION-SERIES COMBINATION SYSTEM RATED AMPERES. IDENTIFIED REPLACEMENT COMPONENTS REQUIRED.' SEE SINGLE LINE DIAGRAM FOR AVAILABLE FAULT CURRENT.

SINGLE LINE DIAGRAM NOTES

- SIZE NO. 1 AWG CONDUCTORS AND SMALLER ARE TO USE THE 60° COLUMN OF TABLE 310.16 TO DETERMINE AMPACITY. CONDUCTORS #1/0 AWG AND LARGER ARE TO USE THE 75° COLUMN OF TABLE 310.16 TO DETERMINE AMPACITY. (SEE UL ELECTRICAL CONSTRUCTION MATERIALS DIRECTORY 4 ART 110.14(C)).
- ALL CONDUCTORS SHALL BE COPPER AND RATED 90°C AND 600 VOLTS. SIZES NO. 8 AWG AND LARGER SHALL BE STRANDED AND NO. 10 AND SMALLER SHALL BE SOLID. USE TYPE THHN/THAN-2.
- PEDESTAL SHALL BE BRACED FOR 65,000 AIC MINIMUM, UNLESS OTHERWISE NOTED. ALL OVER CURRENT DEVICES IN THE MAIN SWITCHBOARD SHALL BE FULLY RATED AT 65,000 AIC MINIMUM AND SHALL SERIES RATE AT 65,000 AIC WITH DOWN STREAM DEVICES, UNLESS OTHERWISE NOTED.
- ALL CIRCUIT BREAKERS SHALL BE BOLT ON TYPE.
- PROVIDE MAIN SERVICE GROUND CONSISTING OF (2) 1/2"x3/4" DIA COPPER CLAD GROUND RODS SPACED AT LEAST 6' APART WITH #2 CU-3/4" BETWEEN GROUND RODS AND METER PEDESTAL GROUND BUS. BOND AT BOTH ENDS.
- SERIES RATING BASED ON EATON 65KAIC UL COMPONENT RECOGNIZED SERIES CONNECT RATINGS.

UTILITY NOTES:

- INCOMING UTILITIES ARE IN THE PROCESS OF BEING COORDINATED BUT ARE STILL NOT TOTALLY DEFINED. CONTRACTOR SHALL BUILD FROM ELECTRICAL UTILITY COMPANY ENGINEERED DRAWINGS.

VOLTAGE DROP CALCULATIONS

CONTINUATION OF PREVIOUS	SOURCE	LOAD	NOMINAL VOLTAGE	PHASE	LINE SIZE VOLTAGE	DESIGN CRT AMPACITY	PARALLEL	WIRE SIZE (AWG-kcmil)	CONDUCTOR (Cu, Al)	CONDUIT (PVC, Al, Steel)	DISTANCE (F)	DEMAND LOAD	POWER FACTOR (%)	SOURCE XFMR TAP	END VOLTAGE	VOLTAGE DROP (%)	VOLTAGE DROP % (S)
	MP-1	Gate Motor 1	120 V	1	120.0 V	20 A	1	8	Cu	PVC	220'	6.00	0.90		118.1 V	1.9 V	1.6%
	MP-3	Gate Motor 2	120 V	1	120.0 V	20 A	1	8	Cu	PVC	230'	6.00	0.90		118.0 V	2.0 V	1.7%
	MP-5	Gate Motor 3	120 V	1	120.0 V	20 A	1	8	Cu	PVC	240'	6.00	0.90		117.9 V	2.1 V	1.7%
	MP-7	Gate Motor 4	120 V	1	120.0 V	20 A	1	8	Cu	PVC	250'	6.00	0.90		117.8 V	2.2 V	1.8%

(1) VALUES OF AC REACTANCE FOR COPPER AND ALUMINUM CONDUCTORS USED IN CALCULATING VOLTAGE DROP ARE FROM NEC CHAPTER 9, TABLE 9.
(2) UNLESS NOTED OTHERWISE, POWER FACTORS ARE STANDARD FROM TITLE 24 NONRESIDENTIAL COMPLIANCE MANUAL, SECTION 8, TABLE 8-2.
(3) DISTANCES ARE AS MEASURED ON PLAN, PLUS VERTICAL RISE BETWEEN FLOORS/ROOF, PLUS 20 FEET FOR TERMINATION AT EQUIPMENT.
(4) ACTUAL VOLTAGE MAY VARY DEPENDING ON TRANSFORMER TAP. PERCENT VOLTAGE DROP DOES NOT APPLY.
(5) AS REFERENCED FROM NOMINAL VOLTAGE.
(6) THIS CALCULATION REPRESENTS THE MAXIMUM ALLOWABLE LENGTH HOMERUN USED BETWEEN BRANCH PANELS AND HOMERUN JUNCTION BOXES.

GENERAL SINGLE LINE DIAGRAM NOTES (UNLESS OTHERWISE NOTED)

- ALL ELECTRICAL EQUIPMENT SHALL BE LABELED, LISTED OR CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY ACCREDITED BY THE UNITED STATES OCCUPATIONAL SAFETY HEALTH ADMINISTRATION.
- ALL EQUIPMENT SHALL BE INSTALLED PER ITS LISTING.
- ALL EQUIPMENT CLEARANCES SHALL BE PER CODE.
- ELECTRICAL DRAWINGS AND SINGLE LINE DIAGRAMMATIC IN NATURE. SWITCHBOARD SHALL BE LAID OUT PER CORRESPONDING PLAN ON THIS DRAWING.
- PER ART. 110.22 EQUIPMENT WITH SERIES RATING APPLIED SHALL BE MARKED: 'CAUTION-SERIES COMBINATION SYSTEM RATED 65,000 AMPERES. IDENTIFIED REPLACEMENT COMPONENTS REQUIRED.' SEE SINGLE LINE DIAGRAM FOR AVAILABLE FAULT CURRENT.
- SIZE NO. 1 AWG CONDUCTORS AND SMALLER ARE TO USE THE 60 DEG C COLUMN OF TABLE 310.16 TO DETERMINE AMPACITY. CONDUCTORS #1/0 AWG AND LARGER ARE TO USE THE 75 DEG C COLUMN OF TABLE 310.16 TO DETERMINE AMPACITY. (SEE UL ELECTRICAL CONSTRUCTION MATERIALS DIRECTORY AND ART 110.14(C)).
- ALL CONDUCTORS SHALL BE COPPER AND RATED 90 DEG C AND 600 VOLTS. SIZES NO. 8 AWG AND LARGER SHALL BE STRANDED AND NO. 10 AND SMALLER SHALL BE SOLID. USE TYPE THHN/THAN-2/THHN/THAN-2.
- ALL CIRCUIT BREAKERS SHALL BE BOLT ON TYPE.
- MAIN SWITCHBOARD SHALL BE RATED FOR 100K AIC MINIMUM, UNLESS OTHERWISE NOTED. ALL OVER CURRENT DEVICES IN THE MAIN SWITCHBOARD SHALL BE FULLY RATED AT 100K AIC MINIMUM AND SHALL SERIES RATE AT 100K AIC WITH DOWN STREAM DEVICES, UNLESS OTHERWISE NOTED.
- ALL 480V DISTRIBUTION BOARDS, PANEL BOARDS AND DEVICES DOWNSTREAM OF THE MAIN SWITCHBOARD SHALL BE SERIES RATED AT 100K AIC BASED ON MANUFACTURER'S COMPONENT RECOGNIZED SERIES CONNECT RATINGS, UNLESS OTHERWISE NOTED.
- ALL 120/208V DISTRIBUTION BOARDS, PANEL BOARDS AND DEVICES SHALL BE FULLY RATED AT 10K AIC MINIMUM, UNLESS OTHERWISE NOTED. WHERE THE TRANSFORMER AVAILABLE FAULT CURRENT (AFC) EXCEEDS 10K AIC, THE MINIMUM AIC RATINGS SHALL EXCEED THAT SHOWN ON THE TRANSFORMER SCHEDULE, UNLESS OTHERWISE NOTED.
- PER 110.24(A), CONTRACTOR SHALL LEGIBLY MARK SERVICE EQUIPMENT WITH THE MAXIMUM AVAILABLE FAULT CURRENT. THE FIELD MARKING(S) SHALL INCLUDE THE DATE THE FAULT CURRENT CALCULATION WAS PERFORMED AND BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INSTALLED. WHERE MODIFICATIONS TO THE ELECTRICAL SYSTEM OCCUR, COMPLY WITH 110.24(B).
- PRIOR TO ENERGIZING THE SYSTEM CONTRACTOR SHALL PROVIDE THIRD PARTY GROUND TEST TO MEASURE THE RESISTANCE BETWEEN THE GROUND SYSTEM AND EARTH. PROVIDE REPORT TO ENGINEER.
- ALL FUSES SHALL BE CLASS 'R' LPN-RK (250V) OR LPS-RK (600V), UNLESS OTHERWISE NOTED.
- THE FEEDER LENGTHS SHOWN ARE ESTIMATED FOR VOLTAGE DROP CALCULATIONS ONLY. CONTRACTOR SHALL NOT USE THE LENGTHS FOR BIDDING OR ORDERING PURPOSES.
- ALL SWITCHBOARDS AND PANELBOARDS SUPPLIED BY A FEEDER IN OTHER THAN ONE OR TWO-FAMILY DWELLINGS SHALL BE MARKED TO INDICATE THE DEVICE OR EQUIPMENT WHERE THE POWER SUPPLY ORIGINATES. COMPLY WITH 408.4(B).
- WHERE A TRANSFORMER IS NOT WITHIN SIGHT OF ITS SUPPLY SIDE DISCONNECT, PROVIDE A PERMANENT PLACARD ON THE TRANSFORMER INDICATING THE LOCATION OF THE SUPPLY SIDE DISCONNECTING MEANS. THE SUPPLY SIDE DISCONNECT SHALL BE LOCATABLE IN THE OPEN POSITION. COMPLY WITH CEC 450.14.
- CONTRACTOR SHALL PROVIDE AN ARC ENERGY REDUCTION SYSTEM TO COMPLY WITH 240.81. PROVIDE AN ENERGY-REDUCING MAINTENANCE SWITCH WITH LOCAL STATUS INDICATOR ON ALL OVERCURRENT DEVICES FOR WHICH THE INSTALLED CIRCUIT BREAKER IS RATED OR CAN BE ADJUSTED TO 1200 AMPERES OR HIGHER. PROVIDE DOCUMENTATION PER 240.81(A).
- IF THE UTILITY-PROVIDED METER DOES NOT INDICATE INSTANTANEOUS KW DEMAND AND KWH FOR A UTILITY-DEFINED PERIOD, THEN CONTRACTOR SHALL PROVIDE A SEPARATE METER TO MEET 2018 TITLE 24 TABLE 120.5-A. METER SHALL BE INTEGRAL TO SWITCHBOARD OR PANEL BOARD AS APPLICABLE.
- ALL CIRCUIT BREAKER AND PANEL BOARD TERMINAL LUGS SHALL BE RATED FOR THE CONDUCTOR SIZE AND QUANTITY SHOWN ON THE SINGLE LINE DIAGRAM AND ASSOCIATED FEEDER SCHEDULE.
- ALL CIRCUIT BREAKER AND PANEL BOARD TERMINAL LUGS SHALL BE RATED FOR THE CONDUCTOR SIZE AND QUANTITY SHOWN ON THE SINGLE LINE DIAGRAM AND ASSOCIATED FEEDER SCHEDULE.
- ALL PANEL BOARDS WITH MAIN CIRCUIT BREAKERS SHALL HAVE THE MAIN CIRCUIT BREAKER INDIVIDUALLY MOUNTED TO ELIMINATE BUS SUPPORTS WHERE POSSIBLE. BACK FEED OF CHASSIS CIRCUIT BREAKERS IS NOT ALLOWED.
- ELECTRICAL EQUIPMENT SHALL BE MANUFACTURED BY EATON. THE PHYSICAL DIMENSIONS OF THE EQUIPMENT IS BASED ON THE SPECIFIED MANUFACTURER. THE CONTRACTOR ASSUMES ALL RESPONSIBILITY AND LIABILITY FOR ANY SUBSTITUTE.
- CONTRACTOR SHALL INCLUDE IN HIS BID THE COSTS OF ALL CONDUCTOR PULLING CALCULATIONS AS REQUIRED.
- CONTRACTOR SHALL INCLUDE ALL NECESSARY PULL BOXES OR SPLICE BOXES AS REQUIRED TO MEET THE INTENT OF DESIGN.
- CONTRACTOR SHALL COORDINATE ALL CONDUIT ROUTING AND ELECTRICAL EQUIPMENT LOCATIONS WITH ARCHITECT, OWNER, TENANT AND OTHER TRADES.
- CONTRACTOR SHALL MAINTAIN CODE REQUIRED CLEARANCES FOR ALL ELECTRICAL EQUIPMENT
- CONTRACTOR SHALL CONSULT WITH AND COORDINATE WITH STRUCTURAL ENGINEER FOR ALL CONDUIT OR ELECTRICAL EQUIPMENT MOUNTED TO OR SUSPENDED FROM CEILING, ROOF STRUCTURES, WALLS OR OTHER STRUCTURAL ELEMENTS. CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE STRUCTURAL ENGINEER WITH HEIGHTS, SIZES, MOUNTING POINTS AND ALL OTHER DATA NECESSARY FOR THE STRUCTURAL ENGINEER TO COMPLETE HIS ANALYSIS. WHERE NECESSARY, THE CONTRACTOR SHALL INCLUDE IN HIS BID A LINE ITEM COST TO HIRE A STRUCTURAL ENGINEER, LICENSED IN THE STATE OF THE PROJECT, TO CONDUCT THE REQUIRED ENGINEERING.
- CHARACTERS IN SQUARE BRACKETS [] INDICATE SWITCHBOARD MANUFACTURER'S CIRCUIT BREAKER TYPES. CONTRACTOR SHALL ENSURE CIRCUIT BREAKERS AIC RATINGS EXCEEDS AVAILABLE FAULT CURRENT AT THAT LOCATION OR IS PROPERLY SERIES RATED.
- CONTRACTOR SHALL VERIFY ALL LOCATIONS, MOUNTING HEIGHTS, CONNECTIONS AND REQUIREMENTS WITH OTHER TRADES, OWNER, ARCHITECT AND/OR TENANT AS APPLICABLE PRIOR TO INSTALL AND ADJUST ACCORDINGLY. CONTRACTOR SHALL REVIEW ALL OTHER TRADES DRAWINGS AND INCLUDE IN HIS BID ALL COSTS APPLICABLE TO THE ELECTRICAL TRADE WHETHER SHOWN IN THESE DRAWINGS OR NOT.
- PER ART. 110.24 SERVICE EQUIPMENT IN OTHER THAN DWELLING UNITS SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FAULT CURRENT. THE FIELD MARKING(S) SHALL INCLUDE THE DATE THE FAULT-CURRENT CALCULATION WAS PERFORMED AND BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED.

FEEDER SCHEDULE

DESIGNATION	SETS	PHASE CONDUCTORS	NEUTRAL	EQUIPMENT GROUND	CONDUIT
F20G	1	3#1/2		#1/2	1/2"
F20NG	1	3#1/2	#1/2	#1/2	3/4"
F30G	1	3#1/0		#1/0	3/4"
F30NG	1	3#1/0	#1/0	#1/0	3/4"
F50G	1	3#6		#1/0	1 1/4"
F50NG	1	3#6	#6	#1/0	1 1/4"
TF50NG	1	3#6	#6	#6	1 1/4"
F10G	1	3#4		#6	1 1/4"
F10NG	1	3#4	#4	#6	1 1/4"
F100G	1	3#1		#6	1 1/2"
F100NG	1	3#1	#1	#6	2"
TF100NG	1	3#1	#1	#6	2"
F125G	1	3# 1/0		#6	2"
F125NG	1	3# 1/0	# 1/0	#6	2"
F150G	1	3# 1/0		#6	2"
F150NG	1	3# 1/0	# 1/0	#6	2"
TF150NG	1	3# 1/0	# 1/0	#6	2"
F175G	1	3# 2/0		#6	2"
F175NG	1	3# 2/0	# 2/0	#6	2"
F200G	1	3# 3/0		#6	2"
F200NG	1	3# 3/0	# 3/0	#6	2 1/2"
F225G	1	3# 4/0		#4	2 1/2"
F225NG	1	3# 4/0	# 4/0	#4	2 1/2"
TF225NG	1	3# 4/0	# 4/0	#2	2 1/2"
F350G	1	3#400		#2	3"
F350NG	1	3#400	#400	#2	3 1/2"
F400G	1	3#500		#2	4"
F400NG	1	3#500	#500	#2	4"
TF400NG	2	3#5/0	#5/0	#2	2 1/2"
F500G	2	3#250		#2	2 1/2"
F500NG	2	3#250	#250	#2	3"
TF500NG	2	3#250	#250	#1/0	3"
F600G	2	3#350		#1	3"
F600NG	2	3#350	#350	#1	3 1/2"
F800G	2	3#500		#1/0	4"
F800NG	2	3#500	#500	#1/0	4"
TF800NG	2	3#600	#600	#3/0	4"
F1000G	3	3#400		#2/0	3"
F1000NG	3	3#400	#400	#2/0	5 1/2"
TF1000NG	3	3#400	#400	#3/0	4"
F1200G	3	3#600		#3/0	4"
F1200NG	3	3#600	#600	#3/0	4"
F1600G	4	3#600		#4/0	4"
F1600NG	4	3#600	#600	#4/0	4"
TF1600NG	4	3#600	#600	#4/0	4"
F2000G	5	3#600		#250	4"
F2000NG	5	3#600	#600	#250	4"
F2500G	6	3#600		#350	4"
F2500NG	6	3#600	#600	#350	4"
F3000G	8	3#600		#400	4"
F3000NG	8	3#600	#600	#400	4"
F4000G	10	3#600		#500	4"
F4000NG	10	3#600	#600	#500	4"

NOTES:

- ALL FEEDERS MAY NOT BE USED.
- DESIGNATION DEFINITIONS:
'F' INDICATES FEEDER
NUMBER INDICATES OVERCURRENT DEVICE TRIP RATING
'N' INDICATES PROVIDE NEUTRAL CONDUCTOR
'G' INDICATES PROVIDE EQUIPMENT GROUNDING CONDUCTOR
'D' INDICATES FEEDER HAS BEEN ADJUSTED FOR VOLTAGE DROP
'TF' INDICATES TRANSFORMER SECONDARY FEEDER
- ALL CONDUCTORS SHALL BE COPPER AND RATED FOR 600V.
- FEEDER SCHEDULE IS BASED ON CONDUCTOR TYPES, THHN/THAN-2 IN ELECTRICAL METALLIC TUBING, FLEXIBLE METALLIC CONDUIT, INTERMEDIATE METALLIC CONDUIT, LIQUID TIGHT FLEXIBLE METAL CONDUIT, RIGID METAL CONDUIT OR SCHEDULE 40 PVC CONDUIT ONLY.
- NO. SETS INDICATES NUMBER OF PARALLEL SET OF CONDUITS AND CONDUCTORS. EACH PARALLEL CONDUIT SHALL INCLUDE ALL PHASE, NEUTRAL AND GROUND CONDUCTORS INDICATED. COMPLY WITH ART 310.10(H).
- GROUND CONDUCTOR ON SEPARATELY DERIVED SYSTEMS SHALL BE SIZED BASED ON TABLE 250.66.
- WHERE NUMBER OF EQUIPMENT GROUNDS ARE 2, ONE SHALL BE AN ISOLATED GROUND, UNLESS OTHERWISE NOTED.

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SINGLE LINE DIAGRAM



E-2