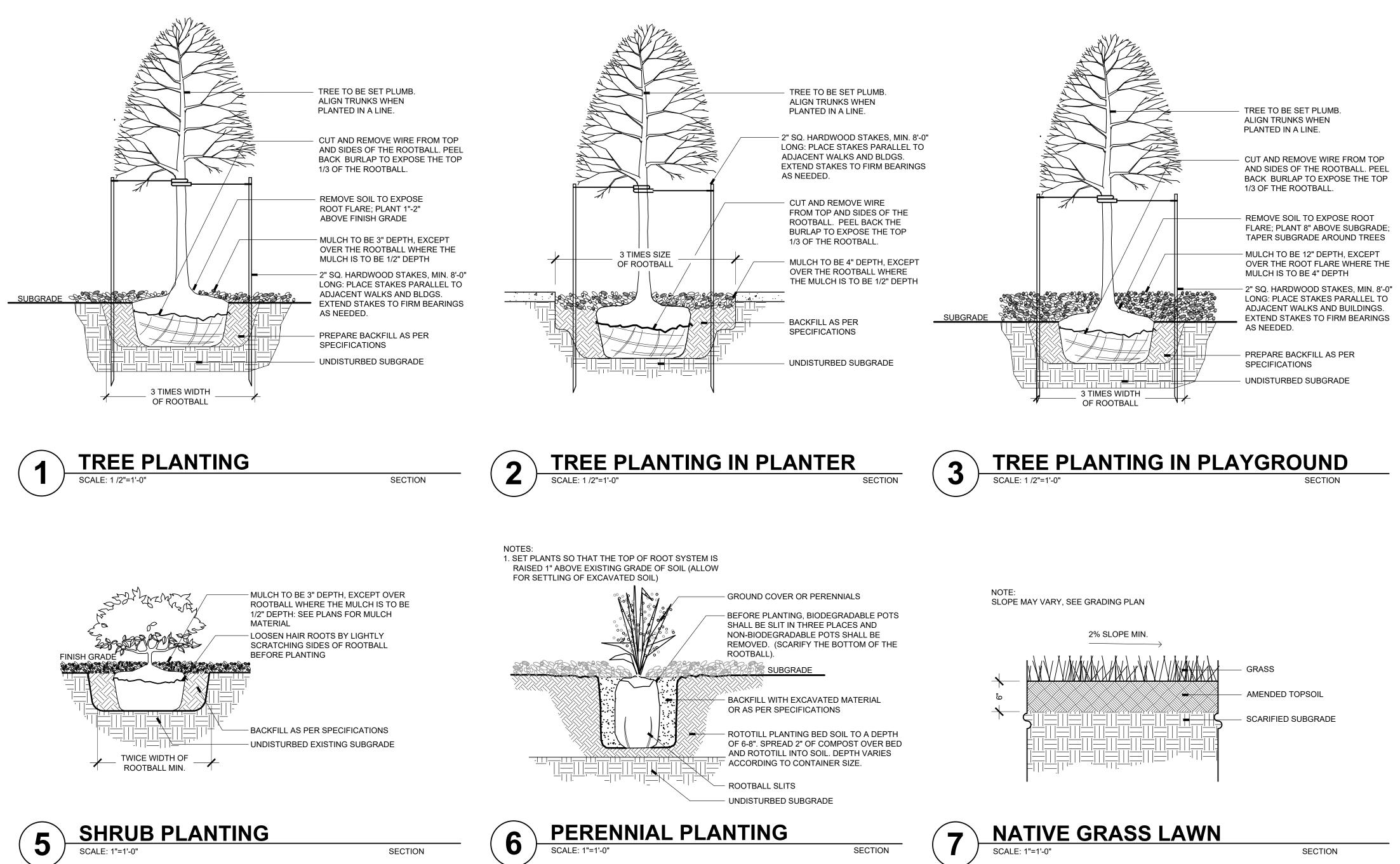
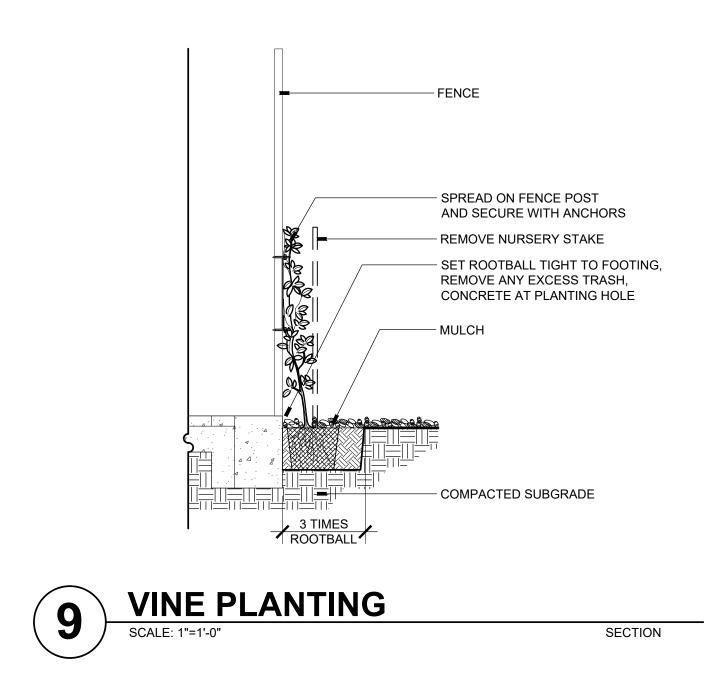


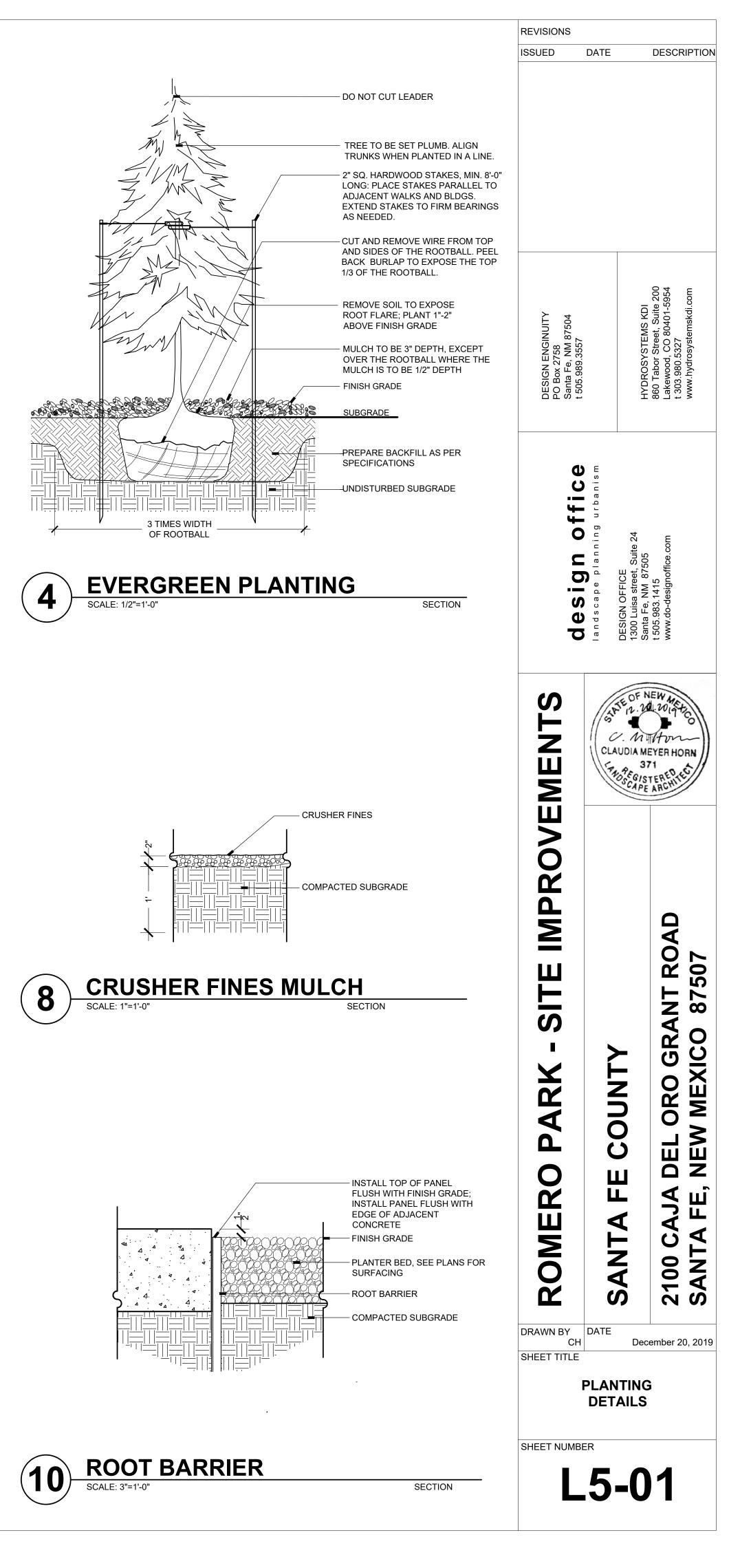


# SCALE:

	ND			REVISIONS	DATE	DESCRIPTION
	PROPERTY I LIMIT OF WC MATCH LINE ROOT BARR	DRK				
		REES				
+	+	TREE				
X X X O (	→ HA → → → PROPOSED	SHRUBS AND GRASS	ES			
	NATIVE GRA	SS LAWN				200 954 om
	NATIVE GRA	SS / WILDFLOWER SE	EEDING	JITY 504		s I EMS KUI Street, Suite 200 CO 80401-5954 327 systemskdi.com
	NATIVE GRA	SS SEEDING		DESIGN ENGINUITY PO Box 2758 Santa Fe, NM 87504 t 505.989.3557		
	<b>D NOTES</b>	S TO REMAIN TYP		DESIC PO Bo Santa t 505.		H VLKUSY 860 Tabor Lakewood, t 303.980.5 www.hydro
$\leq$			FIELD PRIOR TO APPLICATION.			
3 CONFIRM FINAL PLACE INSTALLATION, TYP.	MENT OF PLANT MATERIAL IN	N FIELD WITH LANDSO	CAPE ARCHITECT PRIOR TO	۵ ا	E s	
	JMP SITE LOCATION, APPROX I NATIVE GRASS SEED; CONF		EYOND PLAN LIMITS); RESEED FIELD, TYP.	offic	ng urbani 24	E
LANT LIST BBR. BOTANICAL NAME		QTY. SIZE	COMMENTS		plannin E et, Suite 24	office.con
EES					c a p e N OFFIC uisa stree	e, NM 8 3.1415 -designo
<ul> <li>Juniperus monosperma Juniperus scopulorum</li> <li>Pinus ponderosa</li> <li>Pistacia chinensis</li> <li>Populus acuminata</li> </ul>	One Seed Juniper Rocky Mountain Juniper Ponderosa Pine Chinese Pistache Lanceleaf Cottonwood	1 15 gal. 2 15 gal. 4 8'-10' B+B 2 2 1/2"-3" cal. 2 2 1/2"-3" cal.	40Wx50H, male, seedless	C C	l a n d s c a p e p DESIGN OFFICE 1300 Luisa street	Santa Fe, NM 8/505 t 505.983.1415 www.do-designoffice.com
V Populus wislizeni I Ulmus hybrid "Accolade" V Ulmus parvifolia "Allee"	Rio Grande Cottonwood Accolade Elm Allee Elm	1 2 1/2"-3" cal. 1 2 1/2"-3" cal. 4 2 1/2"-3" cal.	40Wx50H			
				S	STATE OF	NEW ME
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$\square$			POT POT			
1" = 30'-0" 15' 30' 60'	90'		ACTURIE OROCERAND	SHEET NUMBE		
					4-0	13
	KEY MAP		NTS			







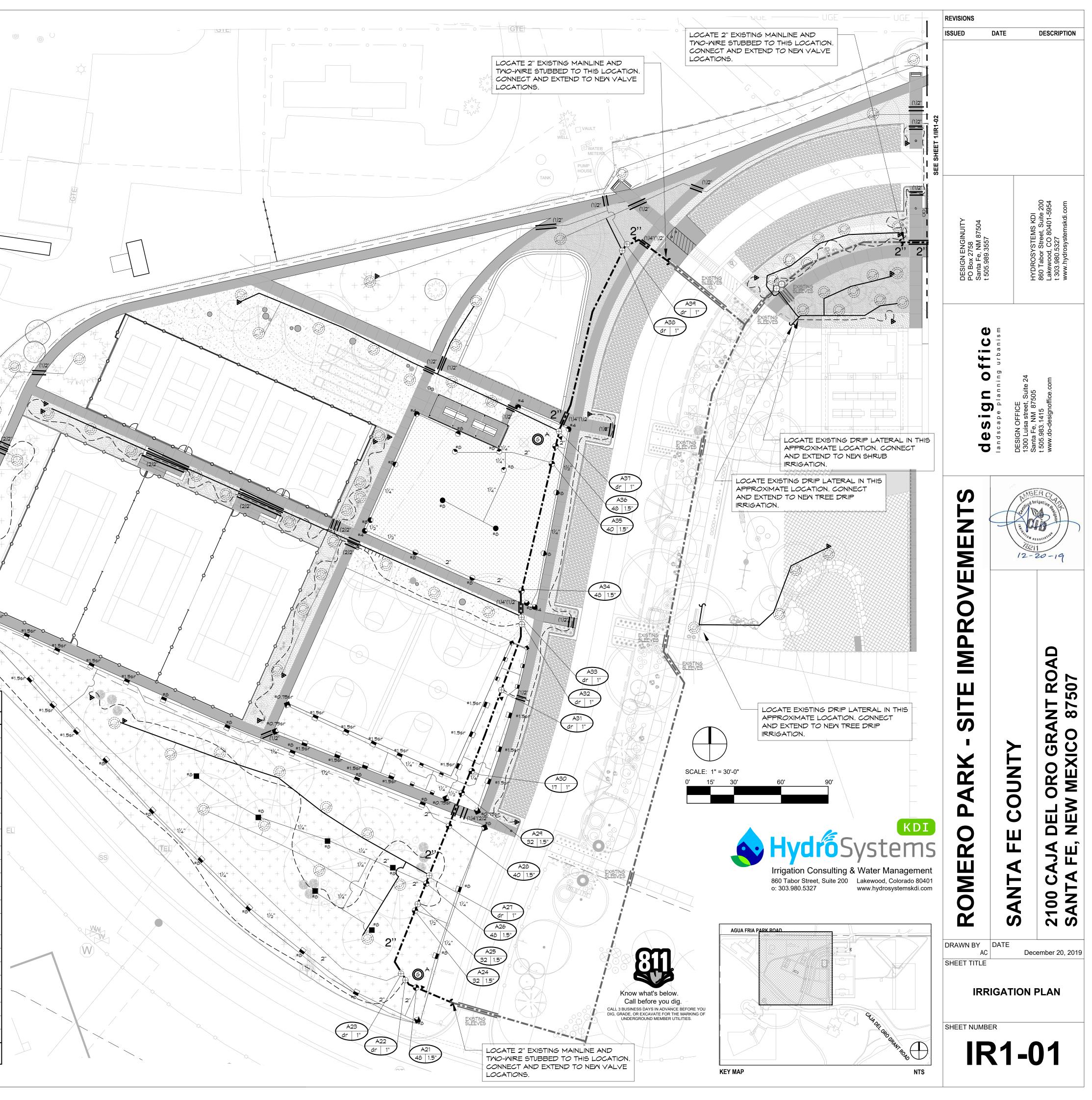
IRRIG IRRIG IRRIG	CTORY ATION SO ATION NO ATION PL ATION DI	_ANS IR1-0		
				AS M FM
		Irrigation Sch	edule	
SYMBOL	MANUFACTURER	MODEL NO.	DESCRIPTION	DETAIL NO.
▼	RAIN BIRD	MODEL NO. 44LRC	DESCRIPTION QUICK COUPLING VALVE	1
N/S	RAIN BIRD MATCO	MODEL NO. 44LRC 201X	DESCRIPTION QUICK COUPLING VALVE MANUAL DRAIN VALVE	1 3
▼ N/S	RAIN BIRD	MODEL NO. 44LRC	DESCRIPTION QUICK COUPLING VALVE	1
N/S	RAIN BIRD MATCO RAIN BIRD	MODEL NO. 44LRC 201X PEB SERIES	DESCRIPTION QUICK COUPLING VALVE MANUAL DRAIN VALVE ELECTRIC CONTROL VALVE	1 3 9
▼ N/S ⊕	RAIN BIRD MATCO RAIN BIRD	MODEL NO. 44LRC 201X PEB SERIES XCZ-100-PRB-COM WITH BALL VALVE	DESCRIPTION QUICK COUPLING VALVE MANUAL DRAIN VALVE ELECTRIC CONTROL VALVE DRIP VALVE ASSEMBLY	1 3 9 6
▼ N/5 ⊕ ►	RAIN BIRD MATCO RAIN BIRD RAIN BIRD	MODEL NO. 44LRC 201X PEB SERIES XCZ-100-PRB-COM WITH BALL VALVE LINE SIZE	DESCRIPTION QUICK COUPLING VALVE MANUAL DRAIN VALVE ELECTRIC CONTROL VALVE DRIP VALVE ASSEMBLY GATE VALVE	1 3 9 6 2
▼ N/5 ⊕ ►	RAIN BIRD MATCO RAIN BIRD RAIN BIRD RAIN BIRD	MODEL NO. 44LRC 201X PEB SERIES XCZ-100-PRB-COM WITH BALL VALVE LINE SIZE RD-12 - S-P30 SERIES	DESCRIPTION QUICK COUPLING VALVE MANUAL DRAIN VALVE ELECTRIC CONTROL VALVE DRIP VALVE ASSEMBLY GATE VALVE HI-POP SPRAY HEADS	1 3 9 6 2 10
	RAIN BIRD MATCO RAIN BIRD RAIN BIRD RAIN BIRD HUNTER	MODEL NO. 44LRC 201X PEB SERIES XCZ-100-PRB-COM WITH BALL VALVE LINE SIZE RD-12 - S-P30 SERIES I-20-06 SERIES I-20-12 SERIES SCHEDULE 40	DESCRIPTION QUICK COUPLING VALVE MANUAL DRAIN VALVE ELECTRIC CONTROL VALVE DRIP VALVE ASSEMBLY GATE VALVE HI-POP SPRAY HEADS GEAR-STREAM ROTORS HI-POP ROTORS PVC MAINLINE	1 3 9 6 2 10 11 11 12 4
	RAIN BIRD MATCO RAIN BIRD RAIN BIRD RAIN BIRD HUNTER	MODEL NO. 44LRC 201X PEB SERIES XCZ-100-PRB-COM WITH BALL VALVE LINE SIZE RD-12 - S-P30 SERIES I-20-06 SERIES I-20-12 SERIES SCHEDULE 40 CLASS 160	DESCRIPTION QUICK COUPLING VALVE MANUAL DRAIN VALVE ELECTRIC CONTROL VALVE DRIP VALVE ASSEMBLY GATE VALVE HI-POP SPRAY HEADS GEAR-STREAM ROTORS HI-POP ROTORS PVC MAINLINE PVC SLEEVING	1 3 9 6 2 10 11 12
	RAIN BIRD MATCO RAIN BIRD RAIN BIRD RAIN BIRD HUNTER	MODEL NO. 44LRC 201X PEB SERIES XCZ-100-PRB-COM WITH BALL VALVE LINE SIZE RD-12 - S-P30 SERIES I-20-06 SERIES I-20-12 SERIES SCHEDULE 40	DESCRIPTION QUICK COUPLING VALVE MANUAL DRAIN VALVE ELECTRIC CONTROL VALVE DRIP VALVE ASSEMBLY GATE VALVE HI-POP SPRAY HEADS GEAR-STREAM ROTORS HI-POP ROTORS PVC MAINLINE	1 3 9 6 2 10 11 11 12 4 5
N/S         ⊕         ⊕         ●	RAIN BIRD MATCO RAIN BIRD RAIN BIRD RAIN BIRD HUNTER	MODEL NO. 44LRC 201X PEB SERIES XCZ-100-PRB-COM WITH BALL VALVE LINE SIZE RD-12 - S-P30 SERIES I-20-06 SERIES I-20-12 SERIES SCHEDULE 40 CLASS 160 CL200 BE	DESCRIPTION QUICK COUPLING VALVE MANUAL DRAIN VALVE ELECTRIC CONTROL VALVE DRIP VALVE ASSEMBLY GATE VALVE HI-POP SPRAY HEADS GEAR-STREAM ROTORS HI-POP ROTORS PVC MAINLINE PVC SLEEVING PVC LATERAL	1 3 9 6 2 10 11 12 4 5 4
	RAIN BIRD MATCO RAIN BIRD RAIN BIRD HUNTER HUNTER	MODEL NO. 44LRC 201X PEB SERIES XCZ-100-PRB-COM WITH BALL VALVE LINE SIZE RD-12 - S-P30 SERIES I-20-06 SERIES I-20-12 SERIES SCHEDULE 40 CLASS 160 CL200 BE #100 NSF - 1" MIN.	DESCRIPTION QUICK COUPLING VALVE MANUAL DRAIN VALVE ELECTRIC CONTROL VALVE DRIP VALVE ASSEMBLY GATE VALVE HI-POP SPRAY HEADS GEAR-STREAM ROTORS HI-POP ROTORS PVC MAINLINE PVC SLEEVING PVC LATERAL POLY HEADER	1 3 9 6 2 10 11 12 4 5 4 5 4 4 4 \$ 8
	RAIN BIRD MATCO RAIN BIRD RAIN BIRD HUNTER HUNTER HUNTER	MODEL NO. 44LRC 201X PEB SERIES XCZ-100-PRB-COM WITH BALL VALVE LINE SIZE RD-12 - S-P30 SERIES I-20-06 SERIES I-20-12 SERIES SCHEDULE 40 CLASS 160 CL200 BE #100 NSF - 1" MIN. TLCV-04 TLCV-04	DESCRIPTION QUICK COUPLING VALVE MANUAL DRAIN VALVE ELECTRIC CONTROL VALVE DRIP VALVE ASSEMBLY GATE VALVE HI-POP SPRAY HEADS GEAR-STREAM ROTORS HI-POP ROTORS PVC MAINLINE PVC SLEEVING PVC LATERAL POLY HEADER INLINE EMITTER TUBING INLINE EMITTER TUBING DRIP LINE BLOW-OUT STUB	1 3 9 6 2 10 11 12 4 5 4 5 4 4 5 4 4 5 8 8 7
N/S         ●         N/S	RAIN BIRD MATCO RAIN BIRD RAIN BIRD HUNTER HUNTER HUNTER	MODEL NO. 44LRC 201X PEB SERIES XCZ-100-PRB-COM WITH BALL VALVE LINE SIZE RD-12 - S-P30 SERIES 1-20-06 SERIES 1-20-12 SERIES SCHEDULE 40 CLASS 160 CL200 BE #100 NSF - 1" MIN. TLCV-04 TLCV-04	DESCRIPTIONQUICK COUPLING VALVEMANUAL DRAIN VALVEELECTRIC CONTROL VALVEDRIP VALVE ASSEMBLYGATE VALVEHI-POP SPRAY HEADSGEAR-STREAM ROTORSHI-POP ROTORSPVC MAINLINEPVC SLEEVINGPVC LATERALPOLY HEADERINLINE EMITTER TUBINGINLINE BLOW-OUT STUBVALVE DECODER	1 3 9 6 2 10 11 12 4 5 4 5 4 4 5 4 4 5 8 8 8 7 6, 9 \$ 13
	RAIN BIRD MATCO RAIN BIRD RAIN BIRD HUNTER HUNTER HUNTER	MODEL NO. 44LRC 201X PEB SERIES XCZ-100-PRB-COM WITH BALL VALVE LINE SIZE RD-12 - S-P30 SERIES I-20-06 SERIES I-20-12 SERIES SCHEDULE 40 CLASS 160 CL200 BE #100 NSF - 1" MIN. TLCV-04 TLCV-04	DESCRIPTION QUICK COUPLING VALVE MANUAL DRAIN VALVE ELECTRIC CONTROL VALVE DRIP VALVE ASSEMBLY GATE VALVE HI-POP SPRAY HEADS GEAR-STREAM ROTORS HI-POP ROTORS PVC MAINLINE PVC SLEEVING PVC LATERAL POLY HEADER INLINE EMITTER TUBING INLINE EMITTER TUBING DRIP LINE BLOW-OUT STUB	1 3 9 6 2 10 11 12 4 5 4 5 4 4 5 4 4 5 8 8 7
N/5         ●         N/5         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●	RAIN BIRD MATCO RAIN BIRD RAIN BIRD HUNTER HUNTER HUNTER	MODEL NO. 44LRC 201X PEB SERIES XCZ-100-PRB-COM WITH BALL VALVE LINE SIZE RD-12 - S-P30 SERIES 1-20-06 SERIES 1-20-12 SERIES SCHEDULE 40 CLASS 160 CL200 BE #100 NSF - 1" MIN. TLCV-04 TLCV-04	DESCRIPTION QUICK COUPLING VALVE MANUAL DRAIN VALVE ELECTRIC CONTROL VALVE DRIP VALVE ASSEMBLY GATE VALVE HI-POP SPRAY HEADS GEAR-STREAM ROTORS HI-POP ROTORS PVC MAINLINE PVC SLEEVING PVC SLEEVING PVC LATERAL POLY HEADER INLINE EMITTER TUBING INLINE EMITTER TUBING INLINE EMITTER TUBING INLINE EMITTER TUBING VALVE DECODER GROUNDING LOCATION	3 9 6 2 10 11 12 4 5 4 5 4 4 5 4 4 5 8 8 8 7 6, 9 \$ 13
N/5         ●         N/5         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●         ●	RAIN BIRD MATCO RAIN BIRD RAIN BIRD HUNTER HUNTER HUNTER	MODEL NO. 44LRC 201X PEB SERIES XCZ-100-PRB-COM WITH BALL VALVE LINE SIZE RD-12 - S-P30 SERIES 1-20-06 SERIES 1-20-12 SERIES SCHEDULE 40 CLASS 160 CL200 BE #100 NSF - 1" MIN. TLCV-04 TLCV-04	DESCRIPTIONQUICK COUPLING VALVEMANUAL DRAIN VALVEELECTRIC CONTROL VALVEDRIP VALVE ASSEMBLYGATE VALVEHI-POP SPRAY HEADSGEAR-STREAM ROTORSHI-POP ROTORSPVC MAINLINEPVC SLEEVINGPVC LATERALPOLY HEADERINLINE EMITTER TUBINGINLINE EMITTER TUBINGDRIP LINE BLOW-OUT STUBVALVE DECODERGROUNDING LOCATIONEXISTING CONTROLLER	1 3 9 6 2 10 11 12 4 5 4 5 4 5 4 4 5 8 8 8 7 6, 9 \$ 13

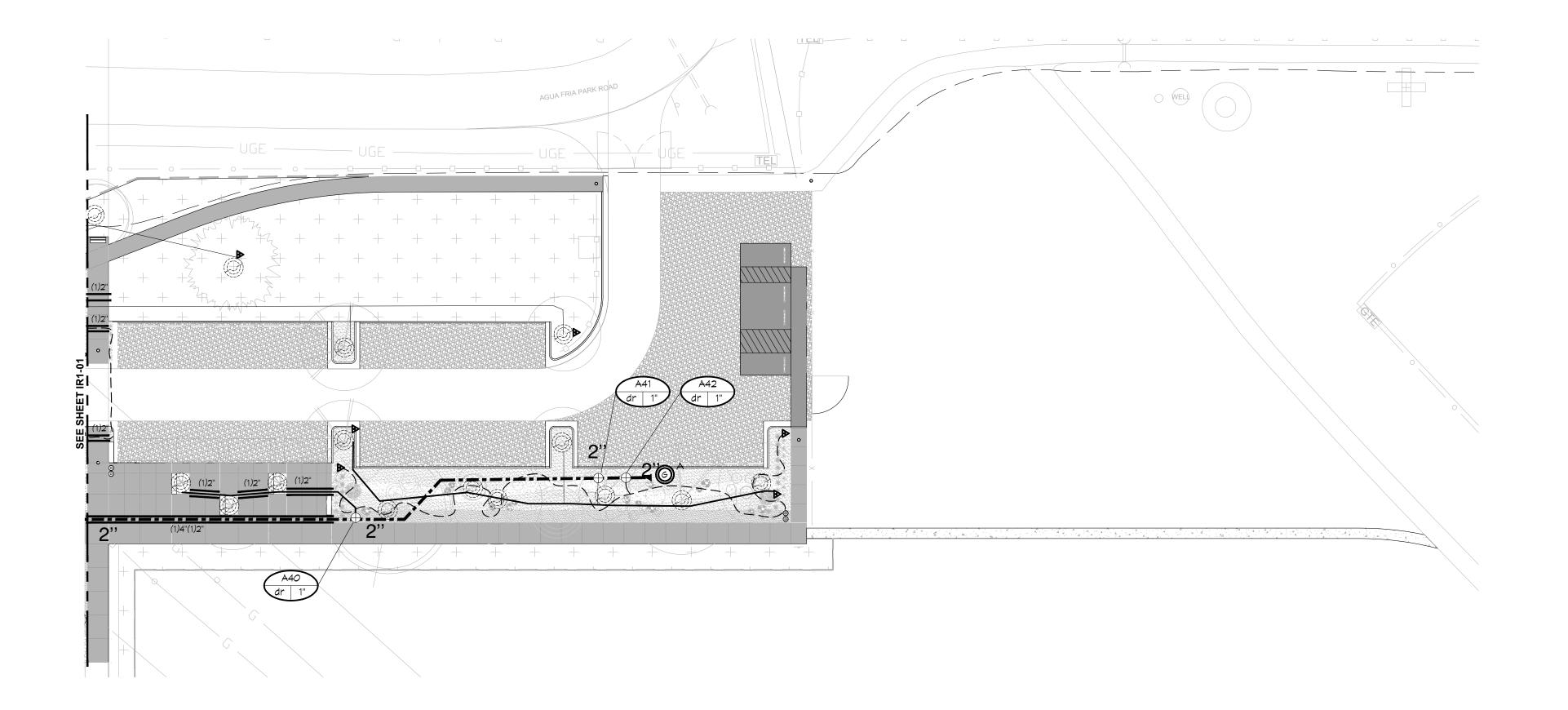
EXISTING SLEEVES

CONTROLLER & STATION NO.

- CONTROL VALVE SIZE

GPM .





# DIRECTORY **IRRIGATION SCHEDULE IRRIGATION NOTES IRRIGATION PLANS IRRIGATION DETAILS**

IR1-01 IR1-02 IR1-01 - IR1-03 IR2-01 - IR2-02

- ADDITIONAL PROJECT REQUIREMENTS.
- OF CONNECTION.
- UTILIZED.

TURFGRASS NATIVE SEED/MEADO ORNAMENTAL PLANT

- MANNER.
- VARIANCE.
- SLEEVED PIPE SIZE/WIRE QU 3/4" - 1-1/4" PIPING 1-1/2" - 2-1/2" PIPINO TWO WIRE CABLE
- PLACEMENT.
- A. CONTRACTOR SHALL USE ONLY MANUFACTURED 2-WIRE WIRE (AS MADE BY В
- BLACK FOR B). ONLY USE SINGLE STATION DECODERS (DUAL-1). С. D.
- MAINTENANCE. E.
- SEPARATE 10" ROUND VALVE BOX FOR WIRE SPLICES. F.
- COMMUNICATION WIRE. G.
- CONSULTANT.





# **IRRIGATION CONSTRUCTION NOTES**

DRAWINGS AND BASE INFORMATION - ALL BASE AND PLANTING INFORMATION HAVE BEEN PROVIDED BY DESIGN OFFICE. THE CONTRACTOR IS RESPONSIBLE TO NOTIFY HYDROSYSTEMS\*KDI OF ANY DISCREPANCIES BETWEEN THE UTILITY OR PLANTING PLANS AND THE IRRIGATION PLAN. IF CONTRACTOR FAILS TO NOTIFY HYDROSYSTEMS\*KDI AND MAKES CHANGES TO THE IRRIGATION SYSTEM DESIGN, HE ASSUMES ALL COSTS AND LIABILITIES ASSOCIATED WITH THOSE FIELD CHANGES. REFER TO SPECIFICATIONS FOR

2. SYSTEM PRESSURE - HYDROSYSTEMS\*KDI HAS CONTACTED THE CISTERN DESIGNER FOR THIS SITE AND HAVE BEEN TOLD THAT THE WATER PRESSURE EXPECTED FROM THE CISTERN PUMPS SHOULD BE 85 PSI MIN. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY PRESSURE PRIOR TO COMMENCING ANY CONSTRUCTION AND NOTIFY HYDROSYSTEMS\*KDI OF ANY VARIANCE FROM THE STATED PRESSURE. IF CONTRACTOR FAILS TO FIELD VERIFY PRESSURE AND/OR NOTIFY HYDROSYSTEMS\*KDI OR ANY VARIATIONS FROM THIS PRESSURE, THEN HE ASSUMES ALL CONSTRUCTION AND ENGINEERING COSTS ASSOCIATED WITH SYSTEM MODIFICATIONS REQUIRED TO ACCOMMODATE ACTUAL OUTPUT PRESSURE. THIS SYSTEM HAS BEEN DESIGNED FOR A REQUIRED STATIC PRESSURE OF 85 PSI MINIMUM AT THE POINT

IRRIGATION SYSTEM OPERATION INTENT - THIS IRRIGATION SYSTEM HAS BEEN DESIGNED TO IRRIGATE THE ESTABLISHED LANDSCAPE WITHIN A SIX NIGHT PER WEEK, SIX HOUR PER NIGHT WATERING WINDOW. ESTABLISHMENT WATERING WILL REQUIRE UP TO TWICE AS MUCH IRRIGATION FOR A FOUR TO SIX WEEK PERIOD. THE DESIGN IS BASED ON THE FOLLOWING PROJECTED WEEKLY APPLICATION RATES AFTER ESTABLISHMENT. THESE FIGURES ARE BASED ON A 30-YEAR AVERAGE WEATHER DATA AND WILL NEED TO BE ADJUSTED DUE TO SEASONAL CHANGES AND WEATHER CONDITIONS ABOVE AND BELOW THE AVERAGE VALUES

	1.63" PER WEEK PEAK SEASON
OWS	0.70" PER WEEK PEAK SEASON
ΓINGS	1.00" PER WEEK PEAK SEASON

4. EQUIPMENT INSTALLATION - IT IS THE INTENT OF THIS DESIGN THAT ALL IRRIGATION EQUIPMENT BE INSTALLED WITHIN PROPERTY LIMITS AND WITHIN LANDSCAPED AREAS. ANY EQUIPMENT OTHER THAN VALVE BOXES OR SLEEVING THAT CONTAINS PIPE OR WIRES SHOWN OUTSIDE OF THESE LIMITS IS SHOWN IN THAT LOCATION FOR GRAPHICAL CLARITY ONLY. ALL VALVE BOXES SHALL BE INSTALLED A MINIMUM OF 2'-O" FROM EDGE OF ANY PAVED SURFACES UNLESS SPECIFICALLY INDICATED ON PLANS. BOXES INSTALLED IN OPEN TURF AREAS SHALL BE KEPT TO EDGES AND STAKED FOR REVIEW IF ALONG HIGH TRAFFIC AREAS. ALL VALVE BOXES SHALL BE PLACED A MINIMUM OF 3'-O" FROM THE CENTERLINE OF ANY DRAINAGE SWALE. ALL VALVE BOXES WITHIN PAVEMENT SHALL BE TIER 15 RATED BOXES FOR HEAVY DUTY NON-DELIBERATE TRAFFIC. BOX LID COLOR SHALL MATCH ADJACENT MATERIALS, I.E. GREEN IN TURF, TAN IN WOOD MULCH, GRAY IN STONE MULCH, PURPLE FOR RECLAIMED WATER SYSTEMS (IF REQUIRED). REFER TO LANDSCAPE PLANS FOR MATERIAL COLORS AND TYPES. ALL BOXES SHALL BE INSTALLED TO BE FLUSH WITH GRADE AND IN AN ORDERLY

5. SLEEVING - MOST SLEEVING UNDER PAVED SURFACES SHOWN ON PLANS ARE EXISTING UNLESS LABELED "BORE", THESE SLEEVES ARE TO BE INSTALLED BY CONTRACTOR. SLEEVING SHALL BE INSTALLED IN THE SIZES AND QUANTITIES SHOWN ON PLANS OR BASED ON THE SCHEDULE BELOW. WHERE SLEEVES ARE SHOWN, BUT NOT LABELED, FOLLOW THE SCHEDULE BELOW. ALL MAINLINE, CONTROL WIRES AND DRIP LINES UNDER PAVED SURFACES ARE TO BE INSTALLED IN SLEEVING. CONTRACTOR TO VERIFY LOCATIONS AND SIZES OF EXISTING SLEEVES SHOWN ON PLANS AND NOTIFY HYDROSYSTEMS\*KDI OF ANY

UANTITY	REQUIRED SLEEVE SIZE & (QUANTITY)
,	2" PVC (1)
G	4" PVC (1)
	2" PVC (1)

6. DRIP IRRIGATION - REFER TO IRRIGATION DETAIL SHEET FOR DRIP EMITTER QUANTITIES AND

7. 2-WIRE SYSTEM NOTES - CONTRACTOR SHALL GROUND ALL DECODERS AND DECODER WIRE PER MANUFACTURES RECOMMENDATIONS AND STANDARDS. (MINIMUM OF EVERY 500' OF WIRE OR EVERY 10TH DECODER AND AT ALL ENDS OF WIRE RUN).

MANUFACTURER OF TWO WIRE CONTROLLER).

USE DIFFERENT COLOR 2-WIRE CABLE FOR EACH CONTROLLER (BLUE FOR A AND

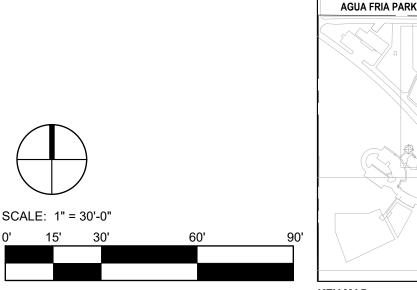
LOOP 5' OF 2-WIRE INTO ALL VALVE BOXES (WITH DECODERS AND SPLICES) FOR

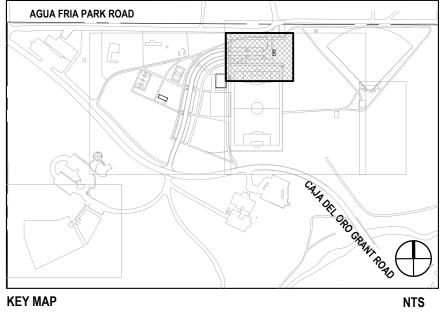
USE ONLY 3M DBR-6 WATERPROOF CONNECTORS ON ALL WIRE SPLICES AND ALL WIRE SPLICES ARE TO BE MADE WITHIN A VALVE BOX WITH CONTROL VALVES OR A

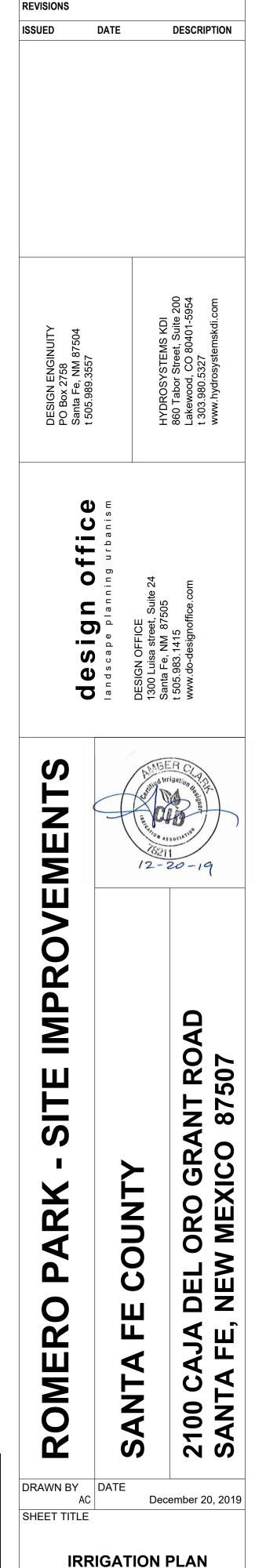
INSTALL SURGE PROTECTOR RODS OR PLATES 8 LF. FROM VALVES, DECODERS, AND

LOOP EXTRA 10' OF 2-WIRE INTO A VALVE BOX AT PHASING LINES FOR FUTURE CONNECTION (IF INDICATED ON PLANS).

8. PRODUCT SELECTION - CONTRACTOR SHALL INSTALL ALL MATERIALS AND EQUIPMENT AS SHOWN ON THE PLANS AND DETAILS. NO SUBSTITUTIONS OF EQUIPMENT WILL BE ACCEPTABLE WITHOUT PRIOR WRITTEN APPROVAL BY THE CONSULTANT AND/OR OWNER. THE IRRIGATION CONTRACTOR MAY BE REQUIRED TO REMOVE AND REPLACE ALL UNAPPROVED SUBSTITUTED EQUIPMENT AT HIS OWN COST IF SO DIRECTED BY THE

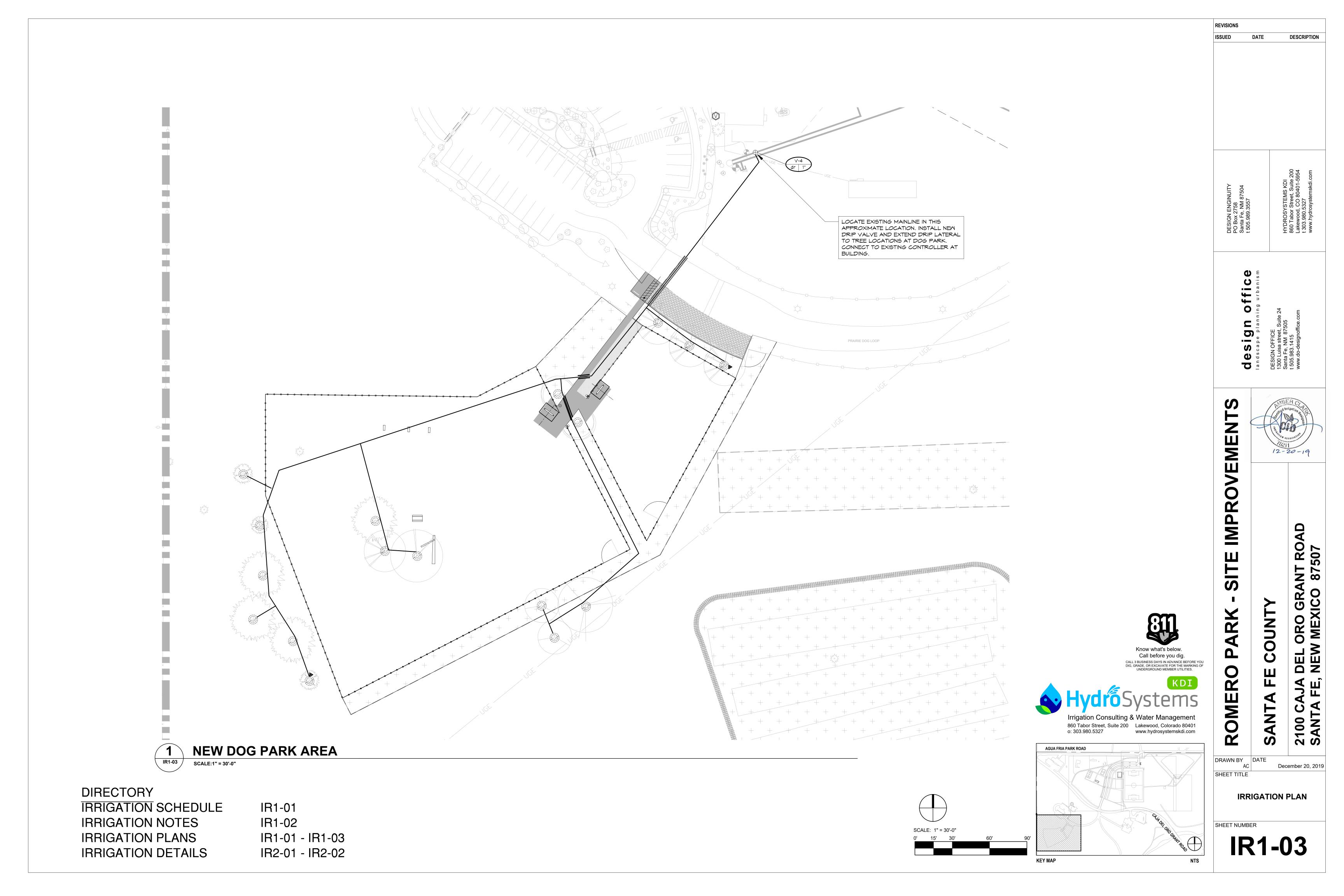






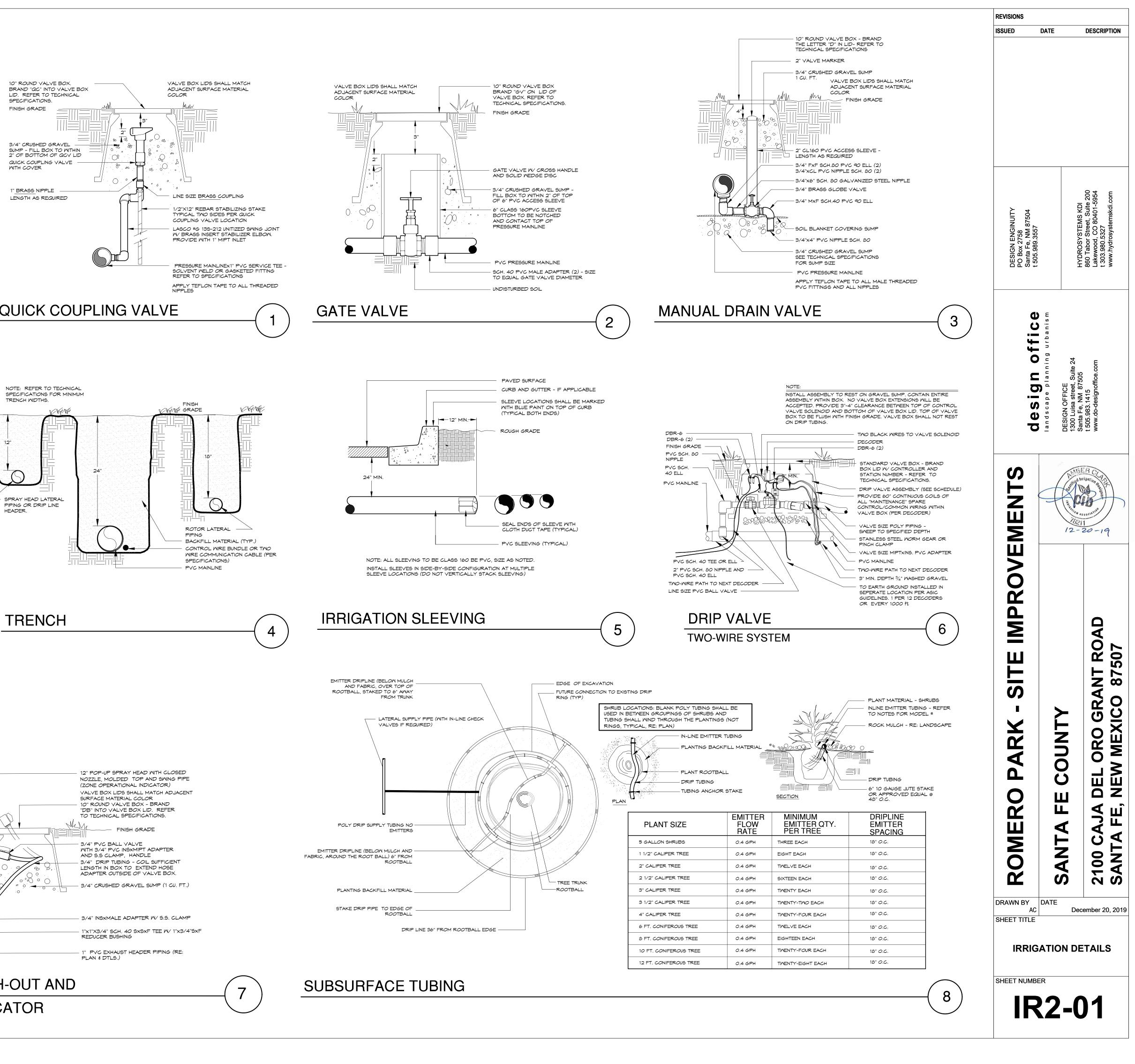
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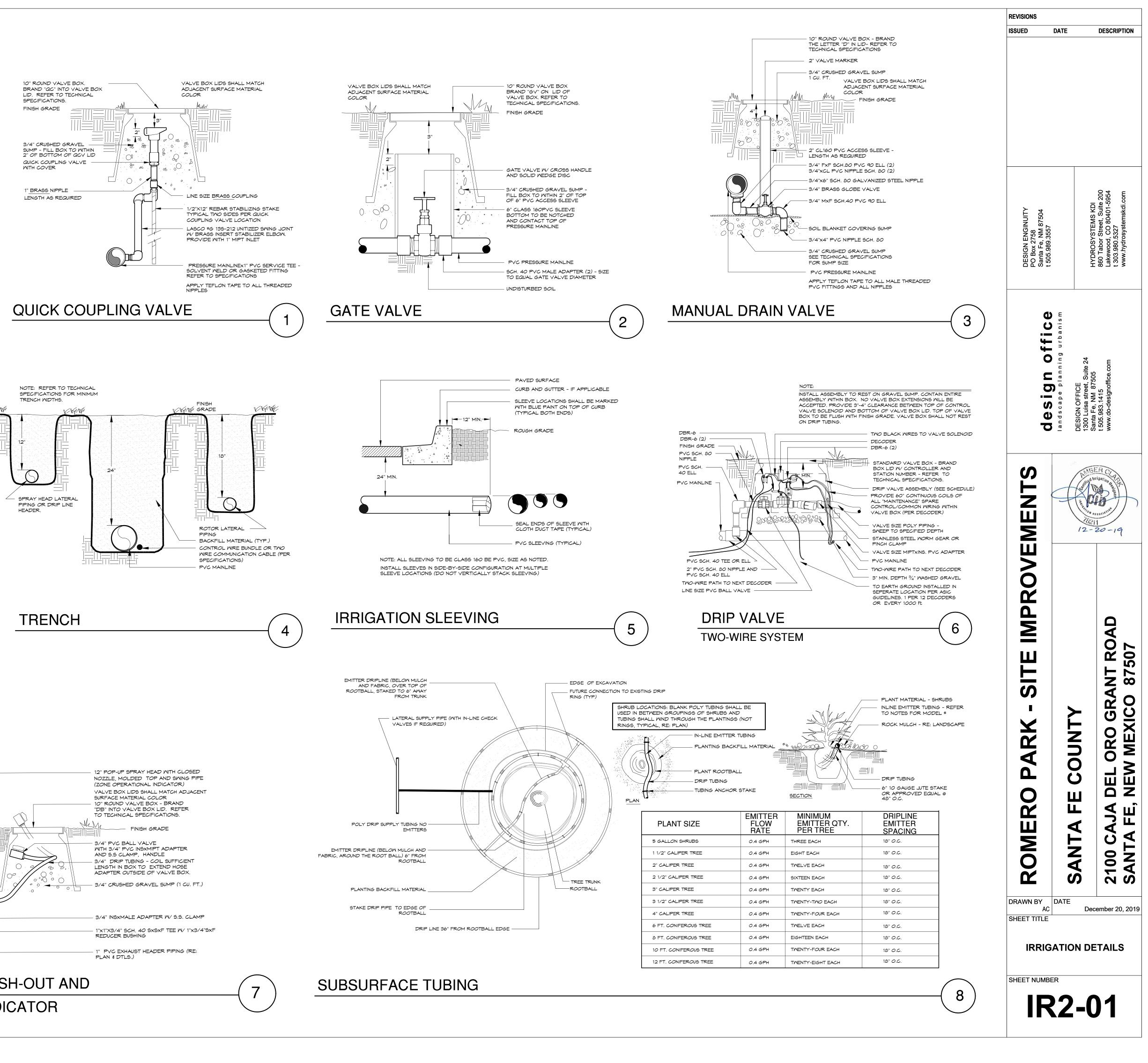




DIRECTORY **IRRIGATION SCHEDULE IRRIGATION NOTES IRRIGATION PLANS IRRIGATION DETAILS** 

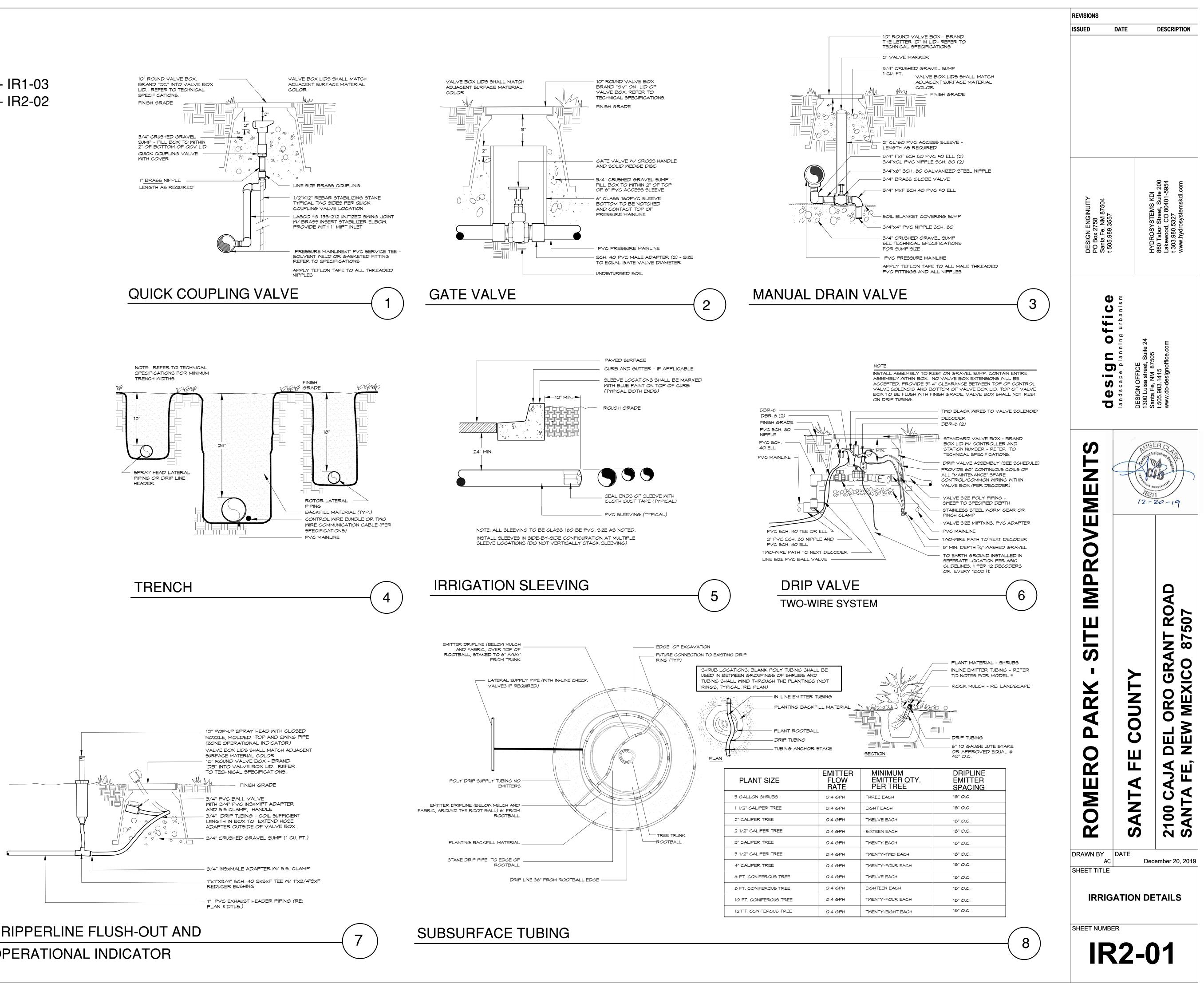
IR1-01 IR1-02 IR1-01 - IR1-03 IR2-01 - IR2-02



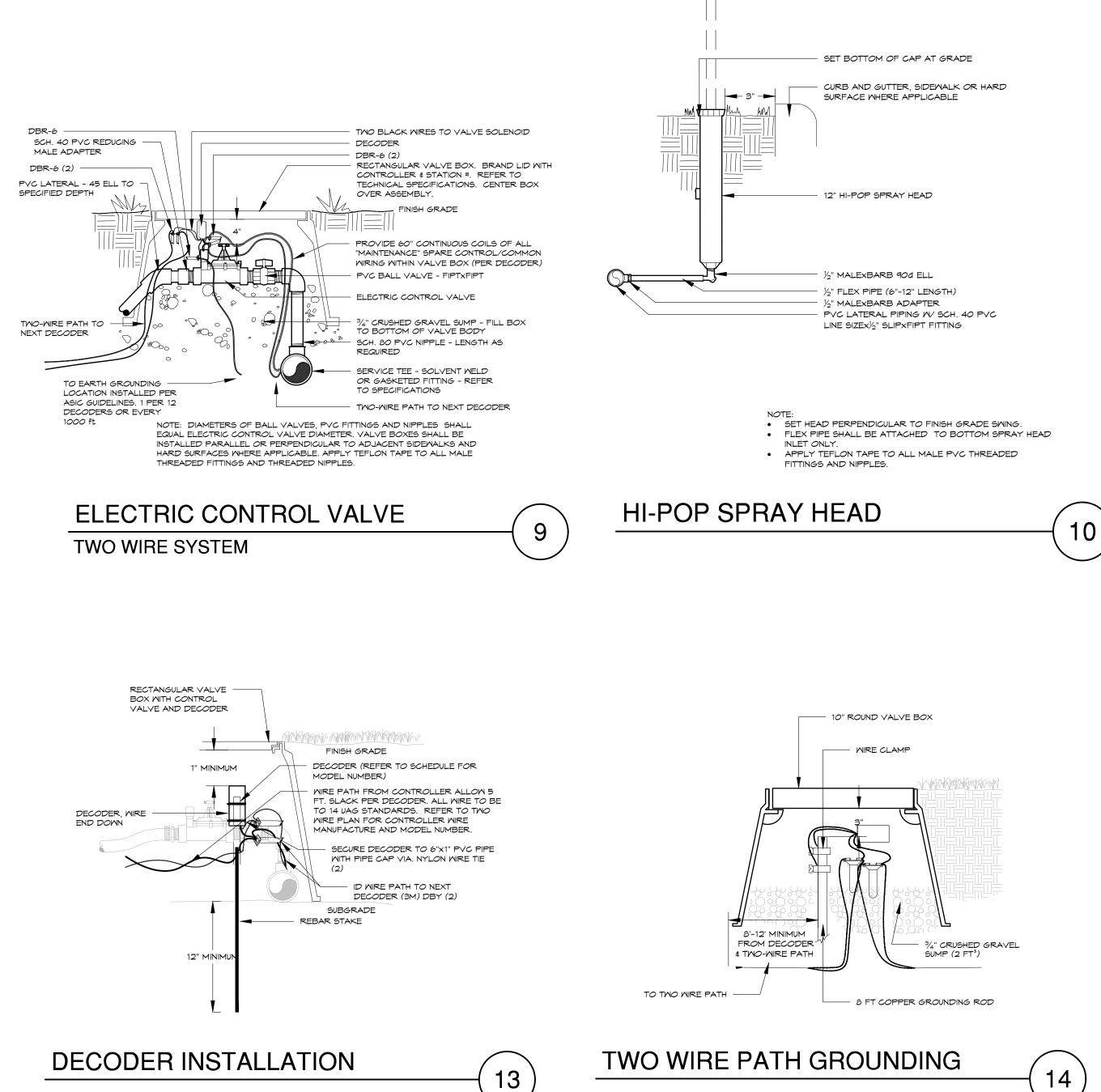






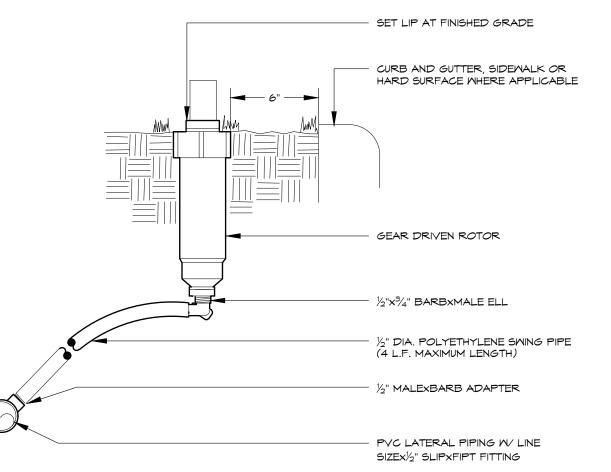


**DRIPPERLINE FLUSH-OUT AND OPERATIONAL INDICATOR** 



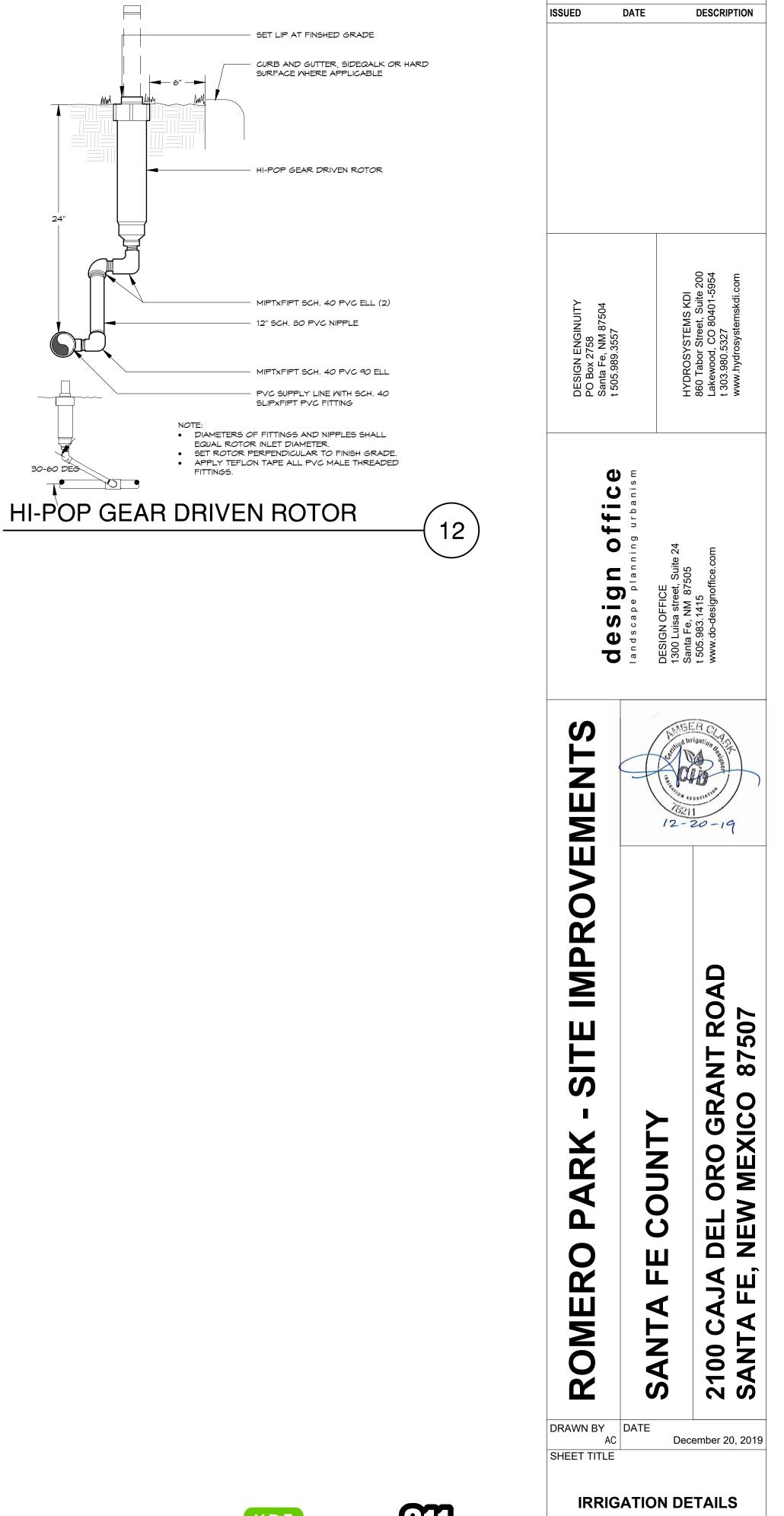
DIRECTORY **IRRIGATION SCHEDULE IRRIGATION NOTES IRRIGATION PLANS IRRIGATION DETAILS** 

IR1-01 IR1-02 IR1-01 - IR1-03 IR2-01 - IR2-02



SET HEAD PERPENDICULAR TO FINISH GRADE

GEAR DRIVEN ROTOR 11



REVISIONS

SHEET NUMBER

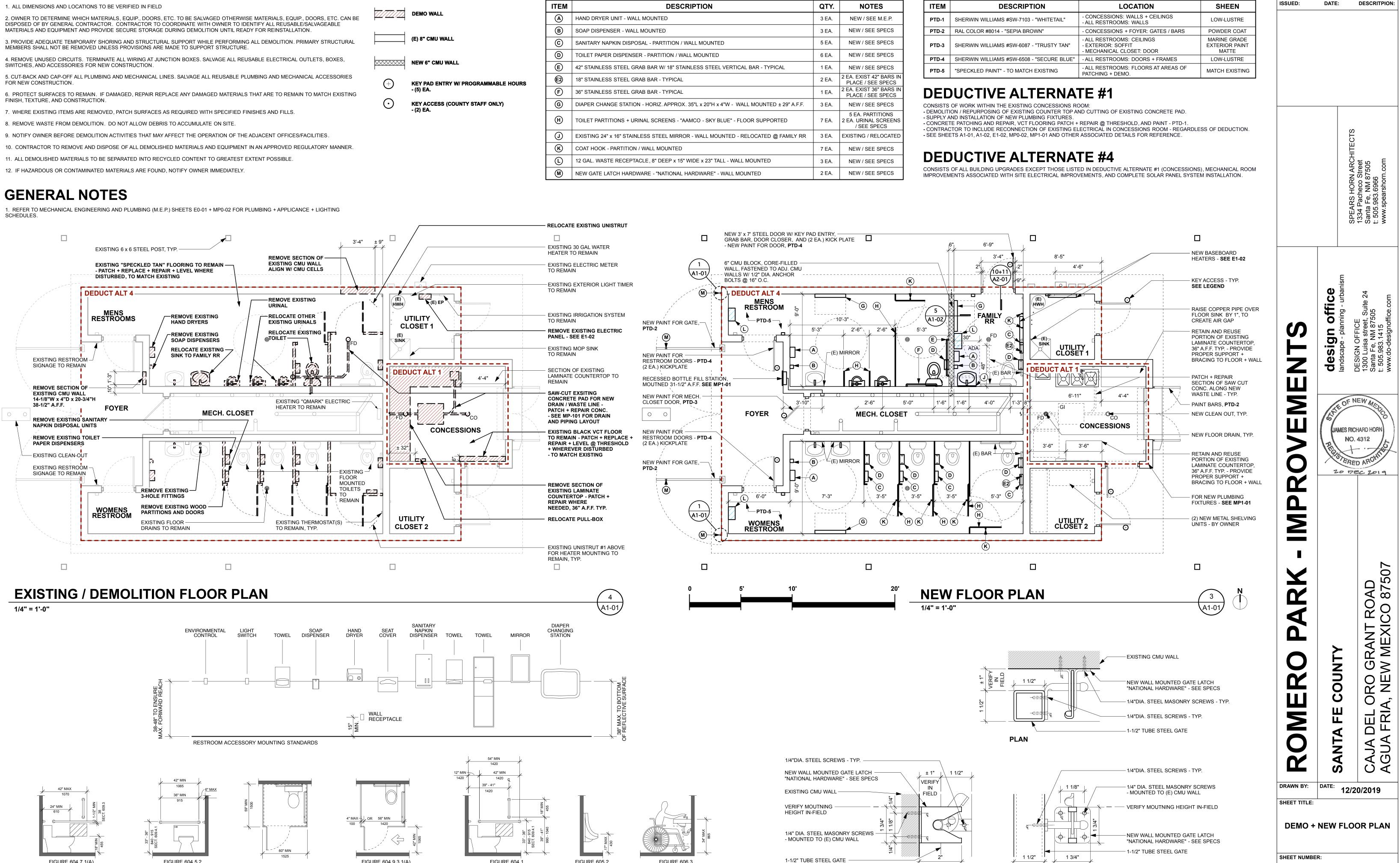
**IR2-02** 

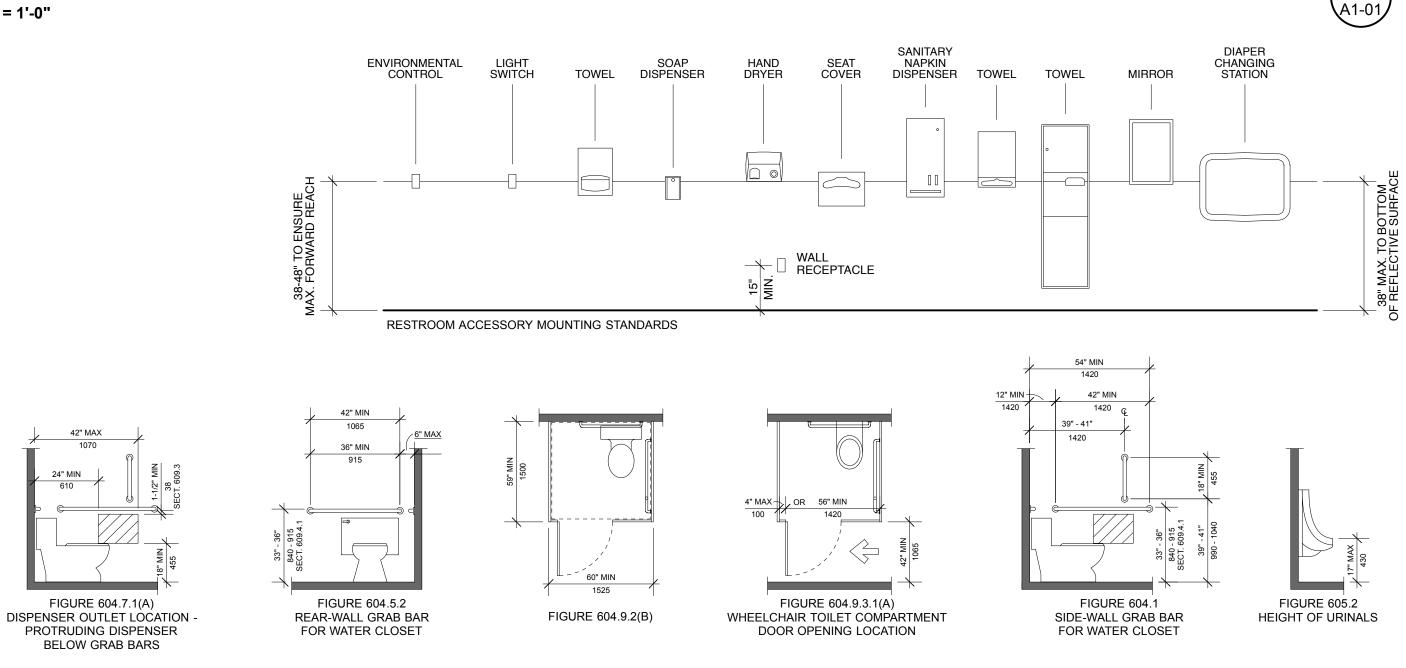




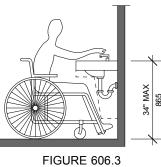
Know what's below. Call before you dig. CALL 3 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

DEMOLITON NOTES	LEGEND	AC	CESSORY SCHEDULE			FIN	IISH SCHEDULE		
1. ALL DIMENSIONS AND LOCATIONS TO BE VERIFIED IN FIELD		ITEM	DESCRIPTION	QTY.	NOTES	ITEM	DESCRIPTION	LOCATION	SHEEN
2. OWNER TO DETERMINE WHICH MATERIALS, EQUIP., DOORS, ETC. TO BE SALVAGED OTHERWISE MATERIALS, EQUIP., DOORS, ETC. CAN BE DISPOSED OF BY GENERAL CONTRACTOR. CONTRACTOR TO COORDINATE WITH OWNER TO IDENTIFY ALL REUSABLE/SALVAGEABLE		A	HAND DRYER UNIT - WALL MOUNTED	3 EA.	NEW / SEE M.E.P.	PTD-1	SHERWIN WILLIAMS #SW-7103 - "WHITETAIL"	- CONCESSIONS: WALLS + CEILINGS - ALL RESTROOMS: WALLS	LOW-LUSTRE
MATERIALS AND EQUIPMENT AND PROVIDE SECURE STORAGE DURING DEMOLITION UNTIL READY FOR REINSTALLATION.	<b></b>	B	SOAP DISPENSER - WALL MOUNTED	3 EA.	NEW / SEE SPECS	PTD-2	RAL COLOR #8014 - "SEPIA BROWN"	- CONCESSIONS + FOYER: GATES / BARS	POWDER COAT
3. PROVIDE ADEQUATE TEMPORARY SHORING AND STRUCTURAL SUPPORT WHILE PERFORMING ALL DEMOLITION. PRIMARY STRUCTURAL MEMBERS SHALL NOT BE REMOVED UNLESS PROVISIONS ARE MADE TO SUPPORT STRUCTURE.	(E) 8" CMU WALL	©	SANITARY NAPKIN DISPOSAL - PARTITION / WALL MOUNTED	5 EA.	NEW / SEE SPECS	PTD-3	SHERWIN WILLIAMS #SW-6087 - "TRUSTY TAN"	- ALL RESTROOMS: CEILINGS - EXTERIOR: SOFFIT - MECHANICAL CLOSET: DOOR	MARINE GRADE EXTERIOR PAINT MATTE
4. REMOVE UNUSED CIRCUITS. TERMINATE ALL WIRING AT JUNCTION BOXES. SALVAGE ALL REUSABLE ELECTRICAL OUTLETS, BOXES,		D	TOILET PAPER DISPENSER - PARTITION / WALL MOUNTED	6 EA.	NEW / SEE SPECS	PTD-4	SHERWIN WILLIAMS #SW-6508 - "SECURE BLUE"	- ALL RESTROOMS: DOORS + FRAMES	LOW-LUSTRE
SWITCHES, AND ACCESSORIES FOR NEW CONSTRUCTION.	NEW 6" CMU WALL	E	42" STAINLESS STEEL GRAB BAR W/ 18" STAINLESS STEEL VERTICAL BAR - TYPICAL	1 EA.	NEW / SEE SPECS	PTD-5	"SPECKLED PAINT" - TO MATCH EXISTING	- ALL RESTROOMS: FLOORS AT AREAS OF	MATCH EXISTING
5. CUT-BACK AND CAP-OFF ALL PLUMBING AND MECHANICAL LINES. SALVAGE ALL REUSABLE PLUMBING AND MECHANICAL ACCESSORIES FOR NEW CONSTRUCTION.	(+) KEY PAD ENTRY W/ PROGRAMMABLE HOURS	<b>E</b> 2	18" STAINLESS STEEL GRAB BAR - TYPICAL	2 EA.	2 EA. EXIST 42" BARS IN PLACE / SEE SPECS			PATCHING + DEMO.	
6. PROTECT SURFACES TO REMAIN. IF DAMAGED, REPAIR REPLACE ANY DAMAGED MATERIALS THAT ARE TO REMAIN TO MATCH EXISTING	- (5) EA.	F	36" STAINLESS STEEL GRAB BAR - TYPICAL	1 EA.	2 EA. EXIST 36" BARS IN PLACE / SEE SPECS	DEC	DUCTIVE ALTERNA	TE #1	
FINISH, TEXTURE, AND CONSTRUCTION.	KEY ACCESS (COUNTY STAFF ONLY)	G	DIAPER CHANGE STATION - HORIZ. APPROX. 35"L x 20"H x 4"W - WALL MOUNTED ± 29" A.F.F.	3 EA.	NEW / SEE SPECS	CONSISTS	OF WORK WITHIN THE EXISTING CONCESSIONS R		
7. WHERE EXISTING ITEMS ARE REMOVED, PATCH SURFACES AS REQUIRED WITH SPECIFIED FINISHES AND FILLS.	- (2) EA.				5 EA. PARTITIONS		ION / REPURPOSING OF EXISTING COUNTER TOP A AND INSTALLATION OF NEW PLUMBING FIXTURES.	ND CUTTING OF EXISTING CONCRETE PAD.	
8. REMOVE WASTE FROM DEMOLITION. DO NOT ALLOW DEBRIS TO ACCUMULATE ON SITE.		H	TOILET PARTITIONS + URINAL SCREENS - "AAMCO - SKY BLUE" - FLOOR SUPPORTED	7 EA.	2 EA. URINAL SCREENS / SEE SPECS	- CONCRE	TE PATCHING AND REPAIR, VCT FLOORING PATCH CTOR TO INCLUDE RECONNECTION OF EXISTING E		ESS OF DEDUCTION.
9. NOTIFY OWNER BEFORE DEMOLITION ACTIVITIES THAT MAY AFFECT THE OPERATION OF THE ADJACENT OFFICES/FACILITIES.		J	EXISTING 24" x 16" STAINLESS STEEL MIRROR - WALL MOUNTED - RELOCATED @ FAMILY RR	3 EA.	EXISTING / RELOCATED		ETS A1-01, A1-02, E1-02, MP0-02, MP1-01 AND OTHE		
10. CONTRACTOR TO REMOVE AND DISPOSE OF ALL DEMOLISHED MATERIALS AND EQUIPMENT IN AN APPROVED REGULATORY MANNER.		K	COAT HOOK - PARTITION / WALL MOUNTED	7 EA.	NEW / SEE SPECS				
11. ALL DEMOLISHED MATERIALS TO BE SEPARATED INTO RECYCLED CONTENT TO GREATEST EXTENT POSSIBLE.		Ŀ	12 GAL. WASTE RECEPTACLE, 8" DEEP x 15" WIDE x 23" TALL - WALL MOUNTED	3 EA.	NEW / SEE SPECS	DEL	<b>DUCTIVE ALTERNA</b>	IE #4	
12. IF HAZARDOUS OR CONTAMINATED MATERIALS ARE FOUND, NOTIFY OWNER IMMEDIATELY.		M	NEW GATE LATCH HARDWARE - "NATIONAL HARDWARE" - WALL MOUNTED	2 EA.	NEW / SEE SPECS		OF ALL BUILDING UPGRADES EXCEPT THOSE LIST IENTS ASSOCIATED WITH SITE ELECTRICAL IMPRO		- / ,
<b>GENERAL NOTES</b> 1. REFER TO MECHANICAL ENGINEERING AND PLUMBING (M.E.P.) SHEETS E0-01 + MP0-02 FOR PLUMBING + APPLICANCE + LIGHTING SCHEDULES.									



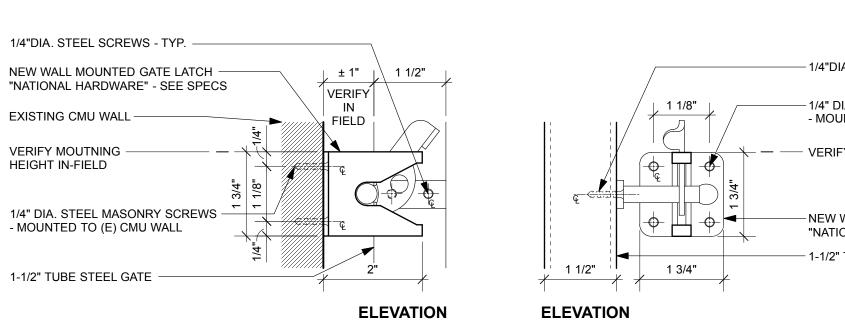


**ACCESSIBILITY STANDARDS** NTS

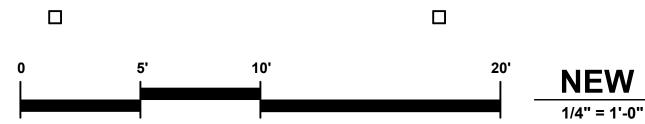


HEIGHT OF LAVATORIES AND SINKS

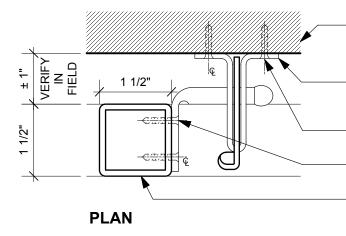
A1-01



**GATE LATCH DETAILS** 6" = 1'-0"

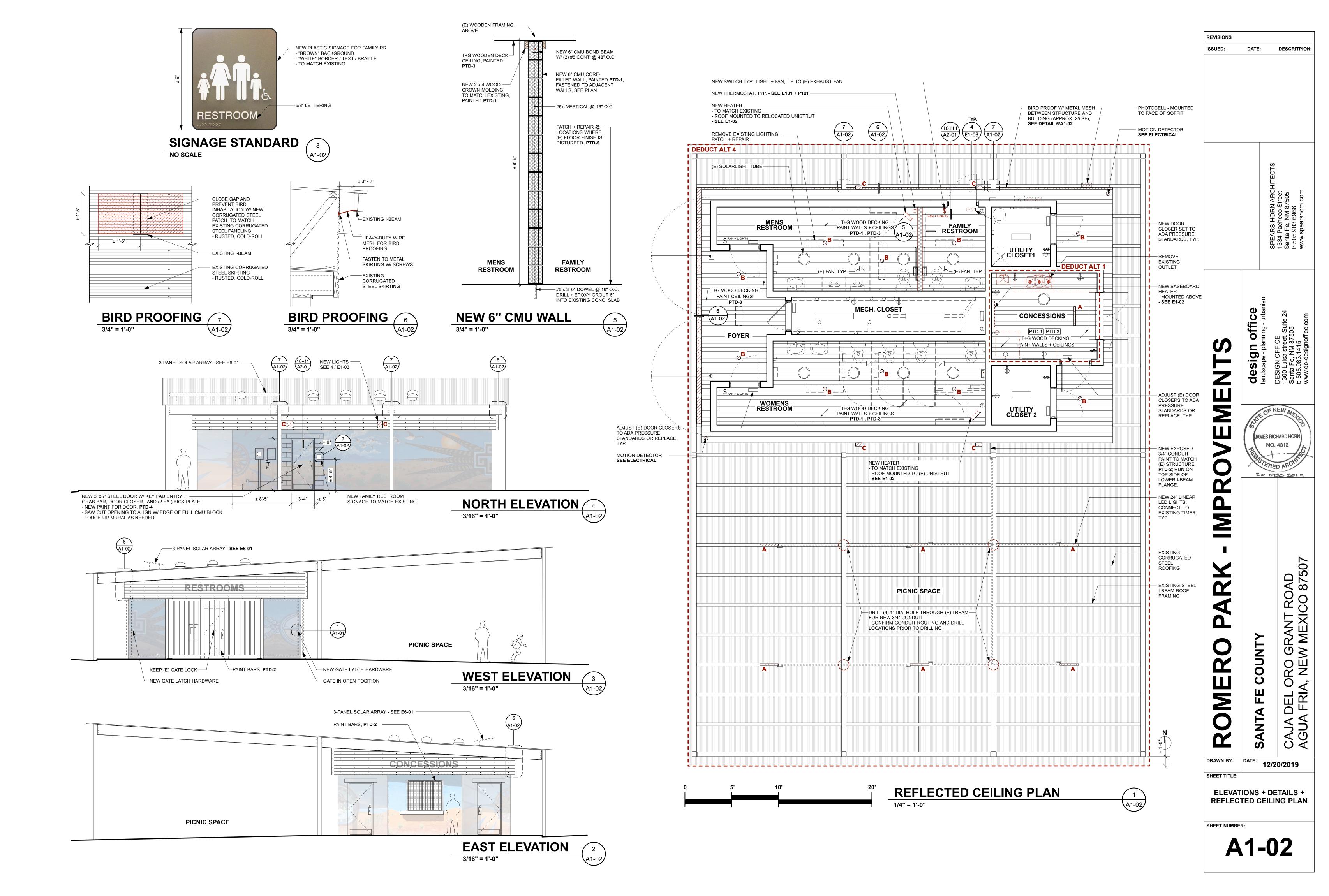


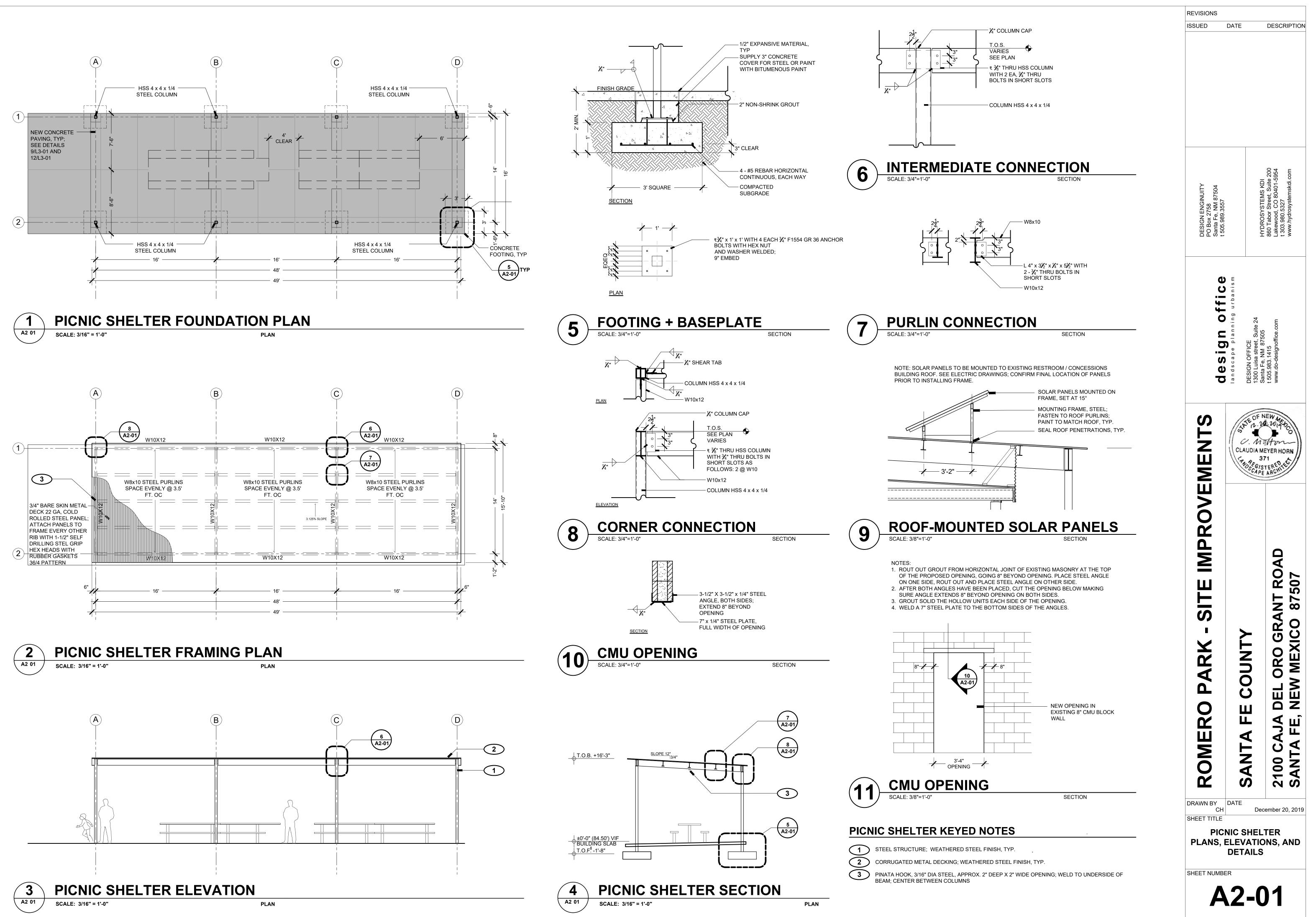
REVISIONS





A1-01





ELECTRICAL SYMBOLS LEGEND							
	LIGHTING		POWER				
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DE		
	LIGHT (SEE LIGHT FIXTURE SCHEDULE)	₽	DUPLEX RECEPTACLE, 18" AFF	F	FIR		
	EMERGENCY LIGHT	₽	FOURPLEX RECEPTACLE, 18" AFF	EQ	FIR		
	LIGHT 2X2 (SEE LIGHT FIXTURE SCHEDULE)		250V RECEPTACLE, 18" AFF	ĒA	FIR		
0	RECESSED DOWNLIGHT	Φ	DUPLEX RECEPT., 1/2 SWITCH, 18" AFF	MDH	FA		
•	PENDANT	φgfi	GND FLT INTERRUPT RECEPT., 18" AFF	Fs	FA		
<u> </u>	LIGHTING TRACK	ΦWP	WEATHER PROOF RECEPTACLE, 18" AFF	RI	FA		
	CEILING SURFACE MOUNTED	Ŷ	SPECIAL RECEPTACLE	FS	FLC		
	LINEAR CEILING SURFACE MOUNTED	P	SINGLE SPECIAL	TS	TAN		
Q	SCONCE	P	DUPLEX SPECIAL	$\bigcirc$	GAS		
	VANITY LIGHT	φ	SIMPLEX RECEPTACLE		HEA		
-  •	STRIP LIGHT	Φ	CEILING MOUNTED DUPLEX RECEPTACLE		SM		
<b> </b>	UNDER CABINET		FLOOR MOUNTED DUPLEX RECEPTACLE	Ø	CEI		
■	OUTDOOR POLE MOUNTED	Ŷ	CLOCK OUTLET		WA		
Ţ	OUTDOOR SCONCE		SURFACE MOUNTED PLUG RACEWAY	× <b>\$</b>	SPE		
$\Box$	OUTDOOR WALL PACK		DISCONNECT SWITCH		TEL		
$\bigotimes$	EMERGENCY EXIT	<sup>т</sup> \$	THERMAL OVERLOAD SWITCH		SEC		
4-2	EMERGENCY EGRESS, 90" AFF	- N	MOTOR OR EXHAUST FAN	₿<⊄	SEC		
	CEILING FAN	PB	PULL BOX	D	SEC		
\$	SINGLE POLE SWITCH, 42" AFF		CEILING MOUNTED JUNCTION BOX		SEC		
<sup>3</sup> \$	THREE WAY SWITCH, 42" AFF	Q	WALL MOUNTED JUNCTION BOX	V	СОІ		
<sup>4</sup> \$	FOUR WAY SWITCH, 40" AFF		DROP CORD	$\Box$	COI		
WP <b>\$</b>	WEATHER PROOF SWITCH, 42" AFF	Φ	THERMOSTAT OUTLET BOX		COI		
D <b>\$</b>	DIMMER SWITCH, 42" AFF		ELECTRICAL PANEL, SURFACE MOUNTED	•	TEL		
os <b>\$</b>	OCCUPANCY SENSOR SWITCH, 42" AFF		ELECTRICAL PANEL, RECESSED MOUNTED	<u>I</u>	PA		
•	PUSH BUTTON SWITCH	Т	PAD MOUNT TRANSFORMER	6	BUZ		
TS	TIME SWITCH		WALL MOUNT TRANSFORMER	台	BEL		
LC	LIGHTING CONTACTOR		ELECTRICAL KEYED NOTE	<b> </b>	MIC		
PC	PHOTO CELL	# #	EQUIPMENT SYMBOL	M	MIC		
05	OCCUPANCY SENSOR	<i>─</i> ──	CONDUIT LEADER LINE FOR SIZES	<b></b>	TEL		
 []	EXISTING DEVICE SHOWN DASHED	<u>-¶\$ + ►</u>	BRANCH CIRCUIT HOMERUN	۲	PAN		
			GROUND		CAF		
	SYMBOLS LEGEND IS A GENERAL ATION OF DEVICES USED. SOME PROJECTS		GROUND ROD	AD	AU		
/IAY NOT U	TILIZE ALL SYMBOLS REPRESENTED.				WIF		
OORDINAT	E ALL SYMBOLS FROM PLANS.	_	LIGHTNING ARRESTOR	G	AUI		

LIGHT FIXTURE SCHEDULE									
КЕҮ	DESCRIPTION	MANUFACTURER	CATALOG #	ТҮРЕ	VOLT.	WATTS/ FIXTURE	MOUNTING	COMMENTS	
А	LINEAR	EATON (24")	PDR97100-HVSL2-2-LD4-HI-27-UNV-O-EDC1-BZ	LED	UNIV	22.1	SURFACE	APPROVED BY ARCH./OWNER	
В	CIRCULAR	EATON	SLD612827WHUNVJB	LED	UNIV	14.8	SURFACE	APPROVED BY ARCH./OWNER	
С	EXTERIOR SCONCE	U.S. ARCHITECTURAL LIGHTING	LN-60-E26-NL-RAL-8019-T-LG LED LAMP 2700K	LED	UNIV	100	SURFACE	APPROVED BY ARCH./OWNER	
D	POLE LIGHT HEAD	EATON	PDR97168-PRV-C15-D-UNV-T3-SA-BZ-ZW-SWPD5BZ-7027	LED	UNIV	52	POLE	APPROVED BY ARCH./OWNER	
D	POLE LIGHT POLE	VALMONT	DS330-400Q140-D1-FP-COOPERBRONZE-FSBC-AB					APPROVED BY ARCH./OWNER	
F	LINEAR (4')	EATON	4ST2L4050R	LED	UNIV	39.4	SURFACE	APPROVED BY ARCH./OWNER	
NOTE: PROVIDE COLOR SAMPLE TO ARCHITECT FOR APPROVAL PRIOR TO ORDERING. (FIXTURE 'D')									

DEVICE SCHEDULE							
KEY	DESCRIPTION	MANUFACTURE	MODEL NUMBER	MOUNTING			
\$	LINE VOLTAGE WALL SWITCH (PROVIDE 3 & 4 WAY CONFIG. AS SHOWN)	LEVITON	3 & 4-WAY 20A TOGGLE SWITCH (COORDINATE COLOR WITH ARCHITECT PRIOR TO ORDERING) (OR EQUAL PERFORMANCE)	WALL			
\$ <sub>os</sub>	LOW VOLTAGE WALL OCCUPANCY SENSOR	DOUGLAS	WOSSDD2-P-VW (COORDINATE COLOR WITH ARCHITECT PRIOR TO ORDERING) (OR EQUAL PERFORMANCE)	WALL			
6	LOW VOLTAGE OCCUPANCY SENSOR	DOUGLAS	WOR-SDG1-P-N (OR EQUAL PERFORMANCE)	CEILING			
ß	MOTION SENSOR EXTERIOR	STEINEL	IS 360 60261 (OR EQUAL PERFORMANCE)	CEILING			
8	PHOTOCELL	DOUGLAS	WPS-3741B (OR EQUAL PERFORMANCE)	CEILING			
®	WIRELESS AREA CONTROLLER	EATON	WAC-120 (OR EQUAL PERFORMANCE)	SURFACE			
LC	LIGHTING CONTROL UNIT	DOUGLAS	WLC-4150 (OR EQUAL PERFORMANCE)	CEILING			

# SPECIAL SYSTEMS

- DESCRIPTION
- FIRE ALARM PULL BOX, 42" AFF
- FIRE ALARM STROBE, 90" AFF
- IRE ALARM HORN/STROBE, 90" AFF
- FA MAGNETIC DOOR HOLDER
- FA FIRE/SMOKE DAMPER
- FA REMOTE INDICATOR
- LOW SWITCH
- AMPER SWITCH
- GAS DETECTOR
- HEAT DETECTOR
- MOKE DETECTOR
- CEILING SPEAKER
- VALL MOUNTED SPEAKER. 90" AFF
- SPEAKER VOLUME CONTROL, 42" AFF
- ELEVISION OUTLET
- ECURITY DIGITAL KEY PAD
- SECURITY INFRARED MOTION SENSOR
- ECURITY DOOR CONTACTS
- ECURITY CAMERA
- COMMUNICATIONS/DATA OUTLET
- COMMUNICATIONS/DATA OUTLET, IN FLOOR
- COMMUNICATIONS/DATA OUTLET, IN CEILING
- ELEPHONE OUTLET
- PA CALL SWITCH
- UZZER
- BELL
- ICROPHONE, WALL MOUNTED
- AICROPHONE, FLOOR MOUNTED
- ELEPHONE BACKBOARD
- PANIC BUTTON
- CARD READER
- UTO DIALER

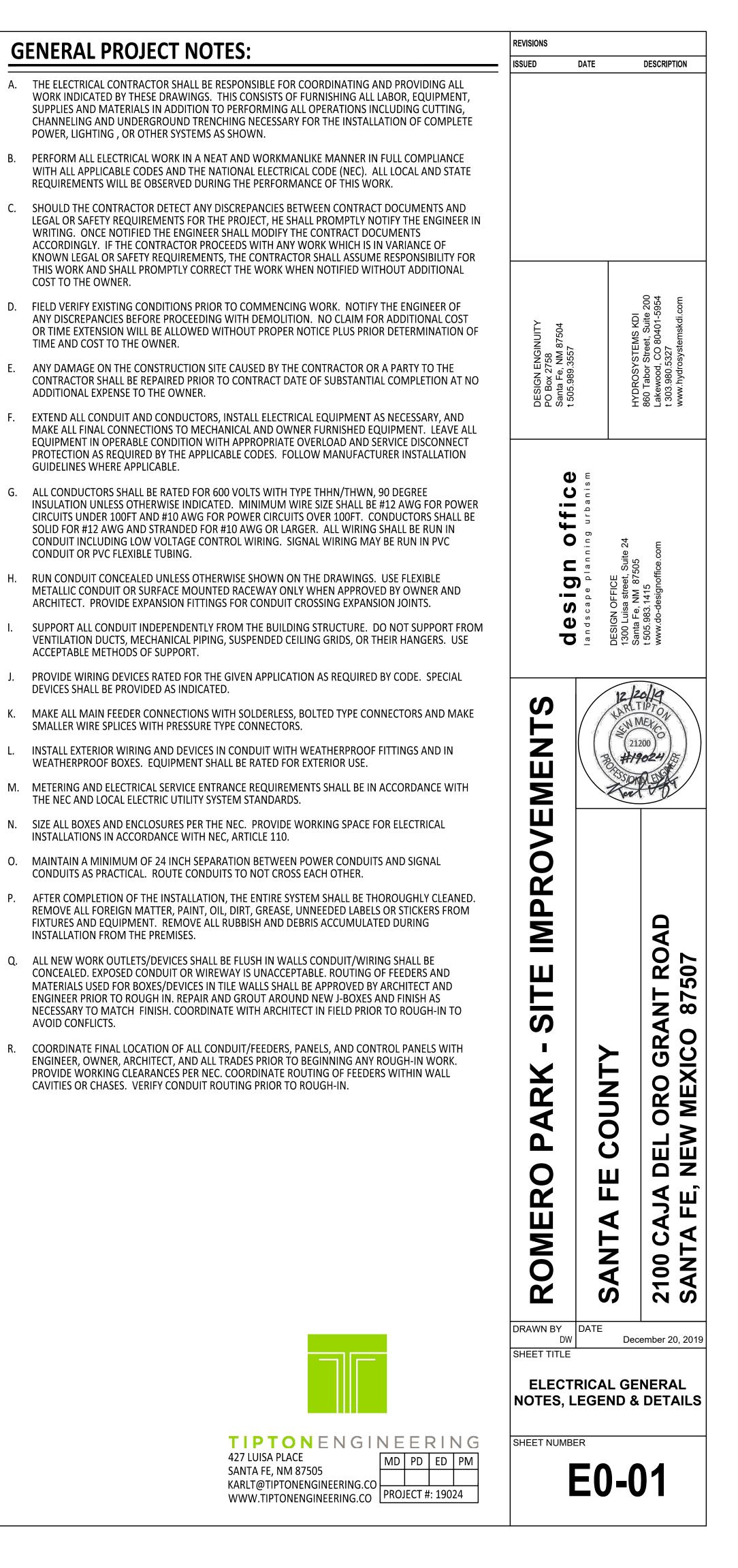
- VIRELESS MICROPHONE TRANSMITTER
- AUDIO MICROPHONE INPUT

# **GENERAL PANELBOARD NOTES:**

- ALL PANELBOARDS SHALL HAVE TYPED CIRCUIT DIRECTORIES, PLACED BEHIND CLEAR PLASTIC PROTECTIVE COVER. DESIGNATIONS ON DIRECTORY SHALL BE MORE DESCRIPTIVE THAN AS SHOWN ON THE DRAWING PANEL SCHEDULES. "SPARES" AND "SPACES" SHALL BE INDICATED ON DIRECTORY WITH ERASABLE PENCIL (NOT TYPED).
- B. ALL PANELBOARDS SHALL BE PROVIDED WITH NAMEPLATES SECURED TO EQUIPMENT WITH STEEL SCREWS. NAMEPLATES SHALL BE LAMINATED PLASTIC WITH ENGRAVED 3/4" MIN. WHITE LETTERS ON BLACK BACKGROUND AND SHALL INDICATE PANEL DESIGNATION, VOLTAGE, PHASE, AND AMPACITY AND LOCATION OF OVERCURRENT PROTECTIVE DEVICE FEEDING PANEL.
- ALL PANELBOARDS SHALL BE PROVIDED WITH GROUND BUS/GROUND STRIP MOUNTED ON A CLEAN SURFACE OF THE PANELBOARD CAN. GROUND CONDUCTOR SHALL BE PROVIDED TO THE PANELBOARD GROUND BUS FROM THE GROUND SYSTEM IN THE SERVICE ENTRANCE SECTION OF DISTRIBUTION SECTION.
- D. ALL PANELBOARDS SHALL HAVE FACTORY FURNISHED CIRCUIT BREAKER NUMBERING. PUNCHED TAPE OR MARKERS WILL NOT BE PERMITTED. BRANCH CIRCUIT BREAKER NUMBER ON PANELBOARDS SHALL MATCH NUMBERING AS SHOWN ON THE PLANS.
- E. ALL BRANCH CIRCUIT CONDUCTORS EXTENDING FROM PANELBOARDS TO RESPECTIVE DEVICES SHALL BE COLOR CODED AND SHALL BE INSTALLED CONTINUOUS IN EACH RUN AND SHALL HAVE A TAG DESIGNATING THE BRANCH CIRCUIT NUMBERS LOCATED AT ALL JUNCTION BOXES.
- PER NEC, ALL BRANCH CIRCUIT PANELBOARDS SHALL BE PROVIDED WITH GFI AND AFCI CIRCUIT BREAKERS FOR APPROPRIATE CIRCUITS. TWO AND THREE POLE CIRCUIT BREAKERS SHALL BE PROVIDED FOR MULTIWIRE BRANCH CIRCUITS. USE AHACR@ BREAKERS FOR HEATING/AIR CONDITIONING LOADS AND ASWD@ BREAKERS FOR LIGHTING CIRCUITS.
- G. PROVIDE ALL PANELS WITH LUGS/CONNECTIONS SIZED FOR FEEDERS SPECIFIED. FEEDERS MAYBE OVERSIZED PER NEC FOR DERATING FACTORS. COORDINATE FEEDER SIZES WITH EQUIPMENT SUPPLIER PRIOR TO ORDERING.
- H. RATE PANELBOARDS FOR SERVICE ENTRANCE EQUIPMENT WHERE APPLICABLE, SHORT CIRCUIT RATING OF PANELBOARDS AND OVER-CURRENT PROTECTION TO BE COORDINATED WITH EXISTING UPSTREAM OVER-CURRENT PROTECTION PRIOR TO ISSUANCE OF SUBMITTALS. PROPERLY LABEL ALL PANELBOARDS.

# **GENERAL SPECIAL SYSTEM NOTES:**

- A. ALL EMPTY SPECIAL SYSTEMS FEEDER CONDUITS EXTENDING BETWEEN COMMUNICATIONS CLOSETS SHALL BE PROVIDE WITH AN UNSPLICED, MEASURED PULL TAPE, NO EXCEPTIONS.
- B. IDENTIFY RACEWAYS OF CERTAIN SYSTEMS WITH COLOR BANDING: BAND EXPOSED OR ACCESSIBLE RACEWAYS OF THE FOLLOWING SYSTEMS FOR IDENTIFICATION. BANDS SHALL BE PRETENSIONED, SNAP-AROUND COLORED PLASTIC SLEEVES, COLORED ADHESIVE MARKING TAPE, OR A COMBINATION OF THE TWO. MAKE EACH COLOR BAND 2 INCHES WIDE, COMPLETELY ENCIRCLING CONDUIT, AND PLACE ADJACENT BANDS OF TWO-COLOR MARKINGS IN CONTACT, SIDE BY SIDE. INSTALL BANDS AT CHANGES IN DIRECTION, AT PENETRATIONS OF WALLS AND FLOORS, AND AT 40-FOOT MAXIMUM INTERVALS IN STRAIGHT RUNS. APPLY THE FOLLOWING COLORS:
  - 1. DATA SYSTEM: GREEN AND YELLOW 2. TELEPHONE: ORANGE AND YELLOW
- C. DATA/TELEPHONE: THE DATA/TELEPHONE SYSTEM SHALL BE A SYSTEM BY THE ELECTRICAL CONTRACTOR. EQUIPMENT, DEVICES AND CABLING SHALL BE FURNISHED BY SPECIAL SYSTEMS SUBCONTRACTOR EACH COMMUNICATIONS/TELEPHONE OUTLET SHALL BE PROVIDED WITH A CONDUIT STUB UP TO THE ACCESSIBLE CEILING SPACE UNLESS OTHERWISE INDICATED. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL BACKBOARDS.
- D. ALL STROBES SHALL BE SYNCHRONIZED AND COMPLY WITH NFPA 72, FIRE ALARMS, AND NFPA 101, LIFE SAFETY CODE.
- E. ALL DEVICES SHALL BE ADA COMPLIANT.



LOAD	CAT			CCT	PHASE A	PHASE B	ССТ			CAT	LOAD
DESCRIPTION	#	CB	POLES	#	LOAD	LOAD	#	POLES	СВ	#	DESCRIPTION
LIGHTING	1	20	1	1	312						
POLE LTG.					1450		2	1	20	2	RECEPTACLES
LIGHTING	1	20	1	3		563					HAND DRYER
BLDG.						1450	4	1	20	2	RECEPTACLES
LIGHTING	1	20	1	5	90						HAND DRYER
CANOPY					1450		6	1	20	2	RECEPTACLES
RECEPTACLES	2	20	1	7		1080					HAND DRYER
CONC.						900	8	1	20	2	DRINKING
RECEPTACLES	2	20	1	9	720						FOUNTAIN
RR, IT, JAN.					1560		10	2	20	3	MECHANICAL
RECEPTACLES	2	20	1	11		1800					UH1 W
FOOD TRUCK						1560	12	2	20	3	MECHANICAL
RECEPTACLES	2	20	1	13	1800						UH1 W
FOOD TRUCK					1560		14	2	20	3	MECHANICAL
RECEPTACLES	2	20	1	15		1800					UH2 M
FOOD TRUCK						1560	16	2	20	3	MECHANICAL
RECEPTACLES	2	20	1	17	1800						UH2 M
FOOD TRUCK					1000		18	2	15	3	MECHANICAL
RECEPTACLES	2	30	1	19		2400					BB1, BB2 & BB3
FOOD TRUCK						1000	20	2	15	3	MECHANICAL
RECEPTACLES	2	30	1	21	2400						BB1, BB2 & BB3
FOOD TRUCK					2250		22	2	30	4	WATER HEATER
RECEPTACLES	2	30	1	23		2400					EX.
FOOD TRUCK						2250	24	2	30	4	WATER HEATER
RECEPTACLES	2	30	1	25	2400						EX.
FOOD TRUCK					500		26	1	30	2	IRG. CONTROL
RECEPTACLES	2	20	1	27		1800					EX.
MOVIE						1500	28		20	3	MECHANICAL
RECEPTACLES	2	50	2	29	4800						EXISTING UH
MOVIE					1500		30		20	3	MECHANICAL
RECEPTACLES	2	50	2	31		4800					EXISTING UH
MOVIE							32		0		
		20		33							
							34		20		
		20		35							
							36		20		
		20		37							
							38		20		
		200	2	39		10580					
							40		20		
		200	2	41	10580						
							42		20		

Load Category	Connected	Dmd %	Demand		
1.) Lighting	965	1.25	1206.25		
2.) Receptacles	10000	1	10000		
	25750	0.5	12875		
3.) Motor	3120	1.25	3900		
	8120	1	8120		
4.) Sub - Panels	4500	1	4500		
Total	52	52455			

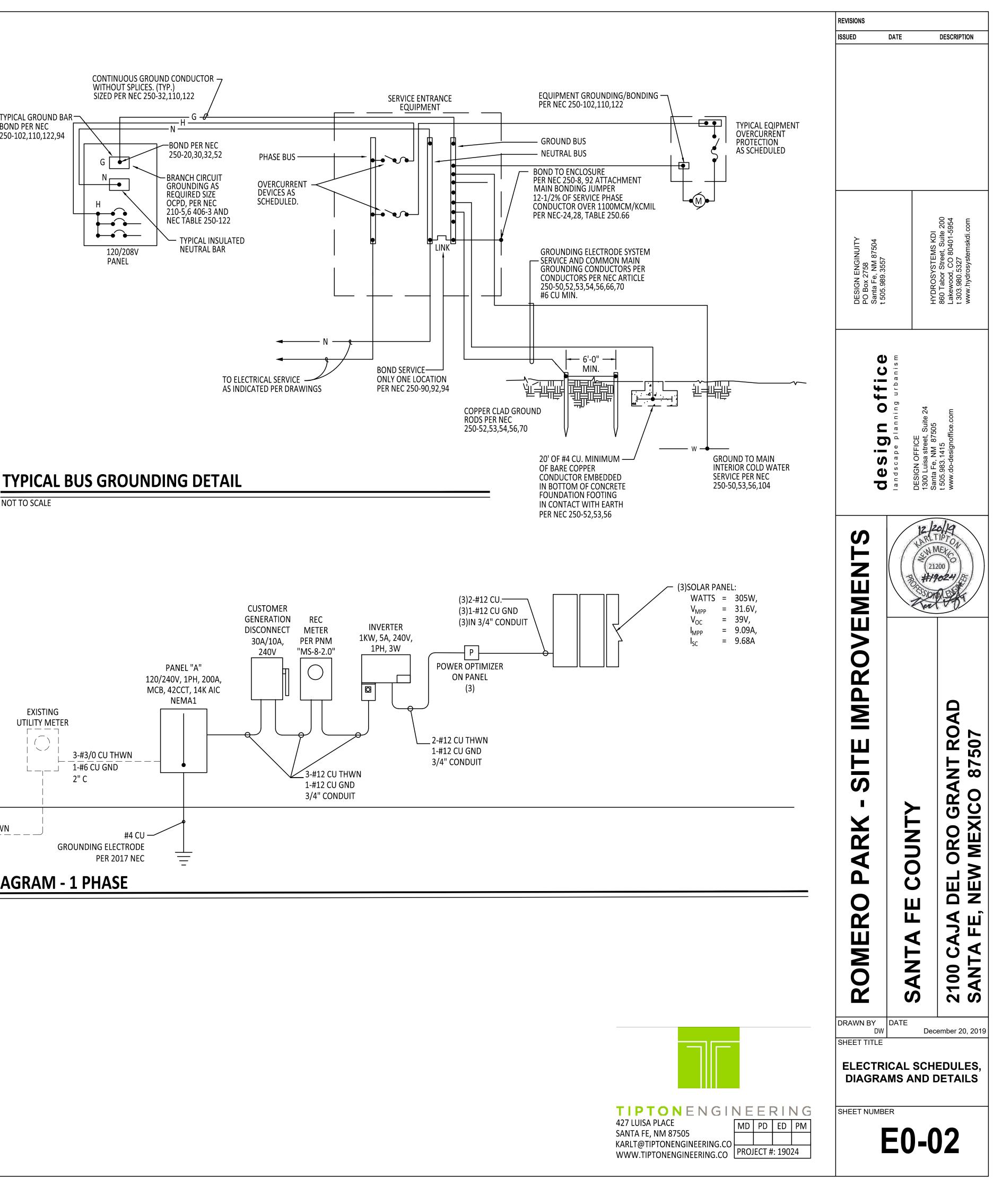
Feeder Size	SEE RISER			
Connected kVA	52.46			
Demand kVA	40.60			
Connected Amps	219			
Demand Amps	169			

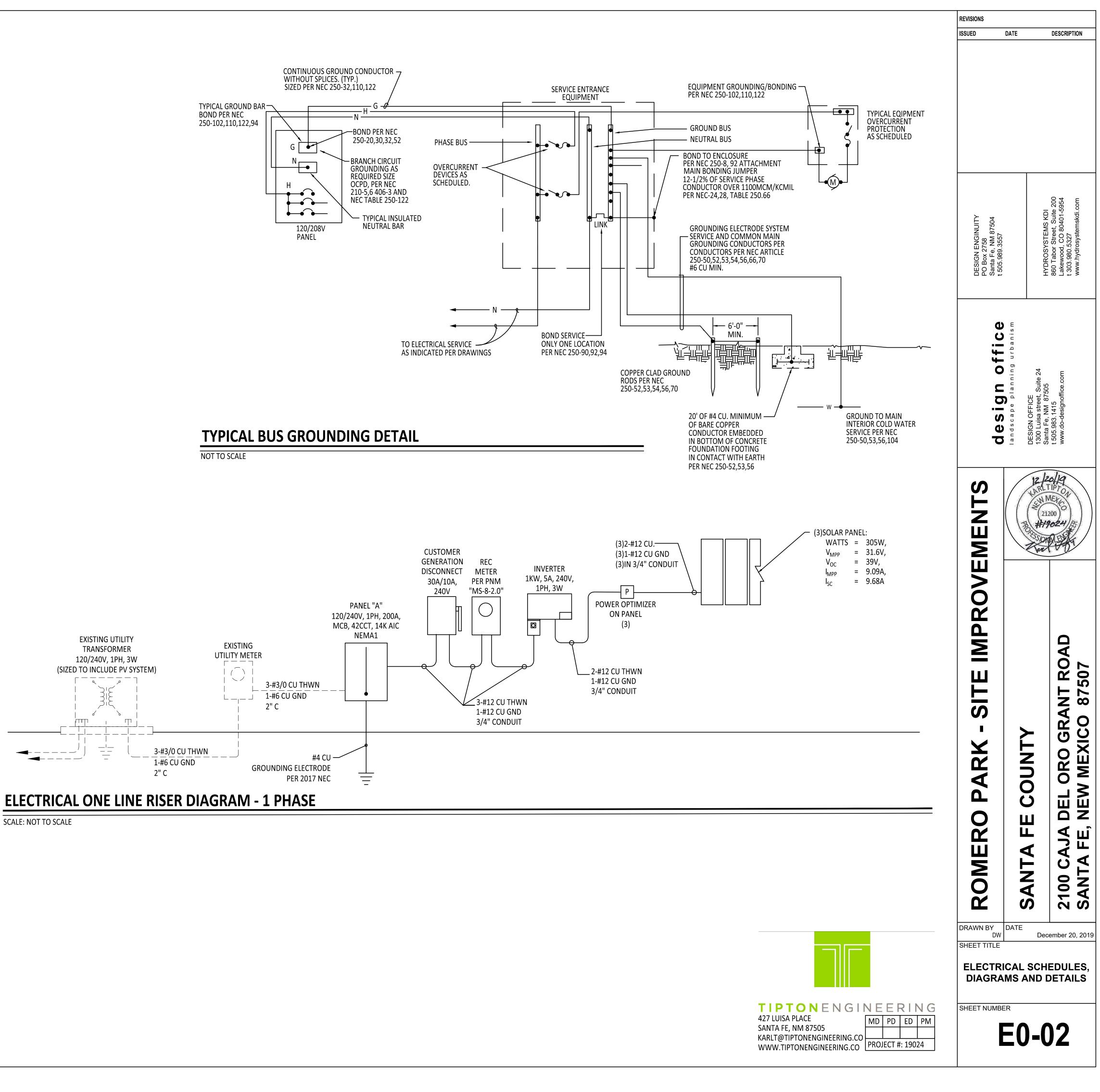
FED FROM UTILITY METER

PER NEC: ALL MULTIWIRE BRANCH CIRCUITS SHALL BE PROVIDED WITH MULTIPOLE CIRCUIT BREAKERS PROVIDE SUBFEED CIRCUIT BREAKER SIZED

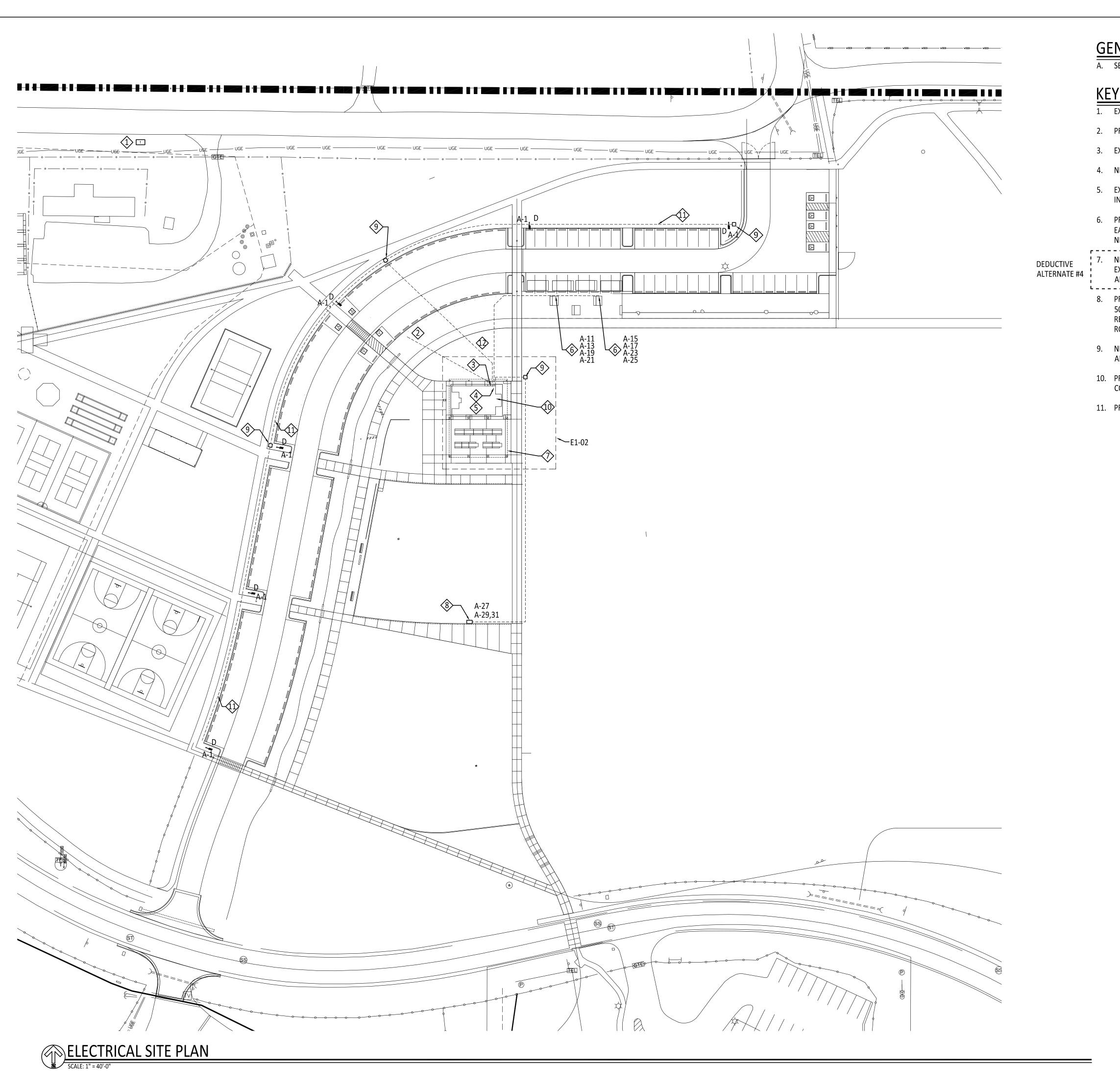
AS SHOWN FOR ELECTRICAL EQUIPMENT. PROVIDE HACR TYPE CIRCUIT BREAKERS FOR MECH EQUIPMENT

PROVIDE SWD TYPE CIRCUIT BREAKERS FOR LIGHTING CIRCUITS PROVIDE GFCI TYPE CIRCUIT BREAKERS AS REQ. BY NEC AND AHJ PANEL "A", 120/240V, 1PH., 3W 200AMP, MCB, 42 CIRCUIT, SURFACE MOUNT, NEMA 3R ENCLOSURE, TOP/BOTTOM FEED, "SQUARE D" MODEL NQ OR EQUAL

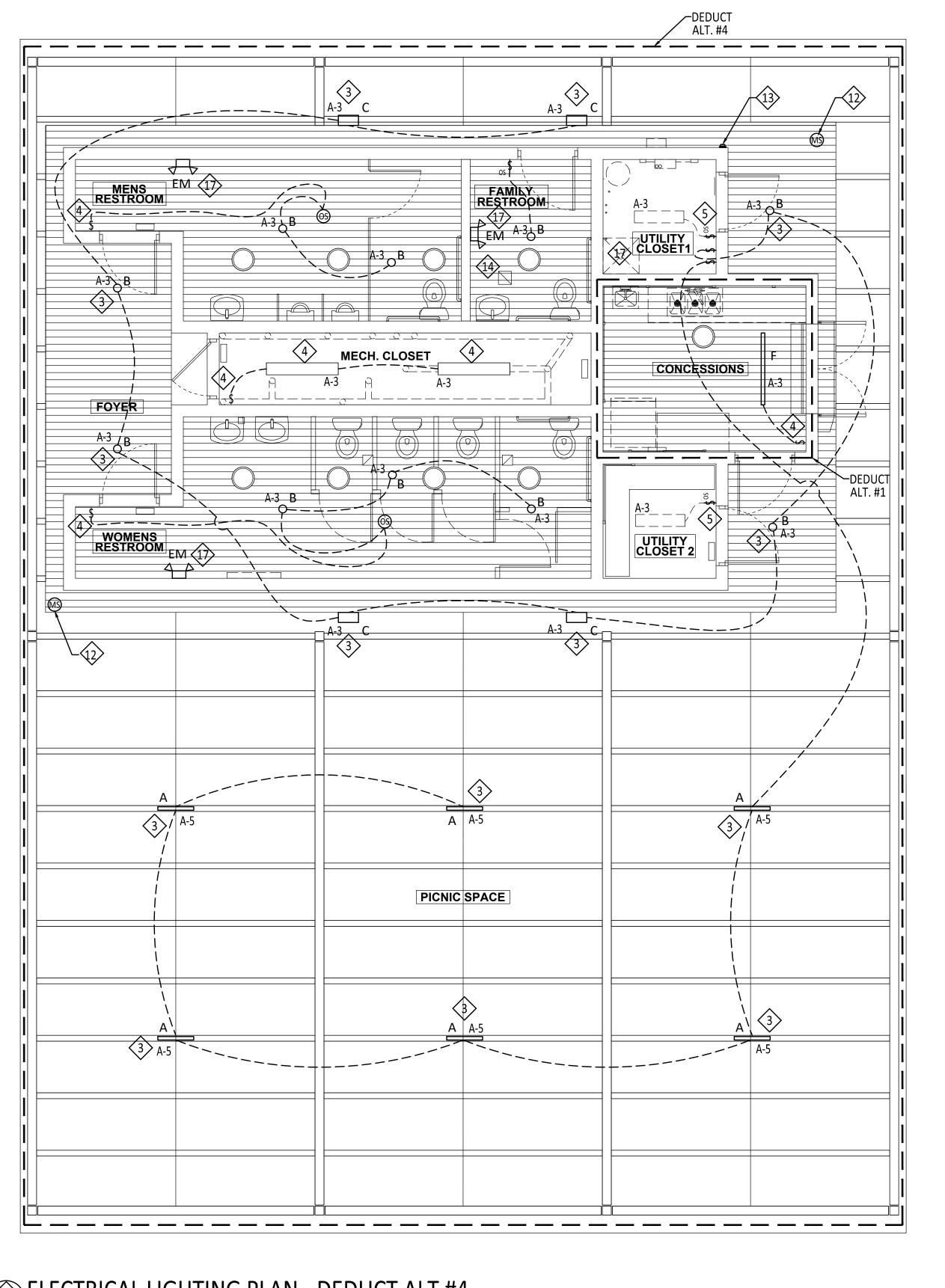




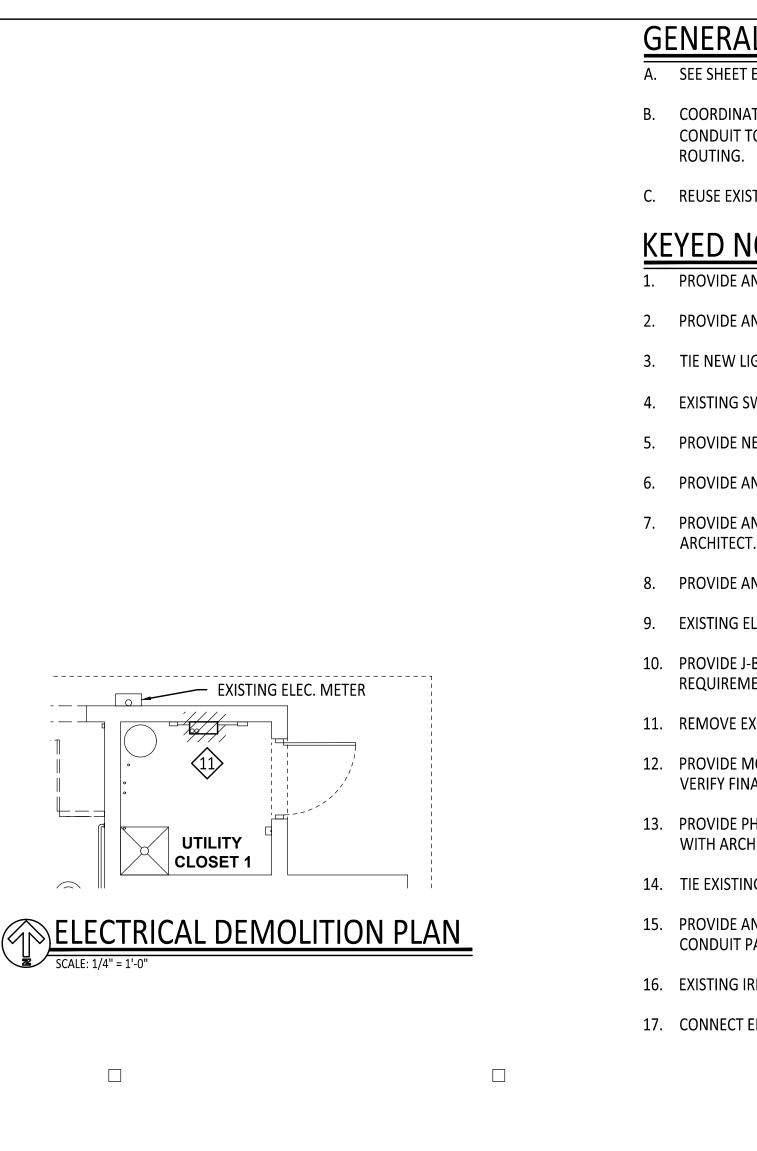
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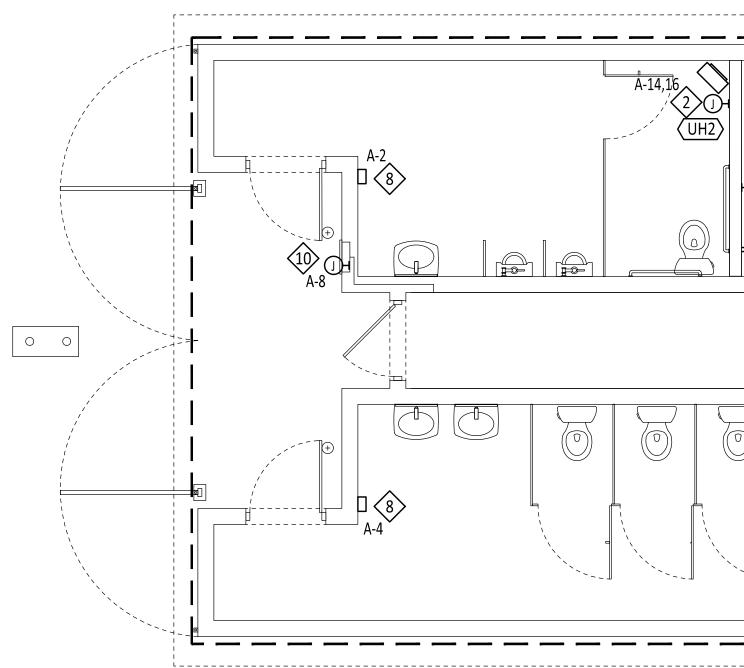


	REVISIONS		
NERAL SHEET NOTES:	ISSUED	DATE	DESCRIPTION
SEE SHEETS E0-01 AND E0-02 FOR ADDITIONAL INFORMATION.			
YED NOTES: <>			
EXISTING TRANSFORMER.			
PROVIDE CONDUIT FOR FUTURE CAR CHARGING STATIONS. PROVIDE JUNCTION BOX WITH PULL STRING.			
EXISTING METER TO REMAIN.			
NEW PANEL LOCATED IN CONCESSION BUILDING ELECTRICAL ROOM.			
EXISTING TIME CLOCK IN ELECTRICAL ROOM. SITE LIGHTING TO BE TIED TO TIME CLOCK. PROVIDE AND INSTALL NEW TIME CLOCK CONTACTOR BOX.			0 4 c
PROVIDE AND INSTALL (2) "EATON" NEMA 3R ENCLOSURES (MODEL # 12126 RHC) WITH HINGE COVER. EACH ENCLOSURE TO INCLUDE (2) 20 AMP AND (2) 30 AMP RECEPTACLES. ENCLOSURES TO BE MOUNTED IN NEW SITE FURNITURE. SEE SHEET E7-01 DETAIL #2 FOR SITE FURNITURE ROUGH-IN DETAIL.	61NUITY 187504 57		HYDROSYSTEMS KDI 860 Tabor Street, Suite 200 akewood, CO 80401-5954 t 303.980.5327 www.hydrosystemskdi.com
NEW SHADE STRUCTURE LIGHTING. SEE SHEET E1-02 FOR LAYOUT AND ADDITIONAL INFORMATION. PAINT EXPOSED CONDUIT TO MATCH SHADE STRUCTURE. COORDINATE EXPOSED CONDUIT PATH WITH ARCHITECT PRIOR TO STARTING WORK.	DESIGN ENGINUITY PO Box 2758 Santa Fe, NM 87504 † 505 989 3557		HYDROSYSTEMS 860 Tabor Street, S Lakewood, CO 804 t 303.980.5327 www.hydrosystems
PROVIDE AND INSTALL "HUBBELL" MODEL # MX2050S WITH BACKER BOX AND UNIVERSAL FIT ADAPTER FOR 50 AMP AND 120V DUPLEX GFCI OUTLETS. PROVIDE NEMA 14-50R (50 AMP RECEPTACLE). BACKER BOX AND RECEPTACLES TO BE INSTALLED IN SITE FURNITURE. SEE SHEET E7-01 DETAIL #3 FOR SITE FURNITURE ROUGH-IN DETAIL.			
NEW IN-GROUND PULL BOX. FIELD COORDINATE FINAL LOCATION OF PULL BOXES WITH LANDSCAPE ARCHITECT. SET TOP OF BOX FLUSH WITH ADJACENT FINISH GRADE.	fice	urbanism	
PROVIDE AND INSTALL 4" CONDUIT FROM NEAREST DATA PROVIDER TO UTILITY CLOSET 1. COORDINATE CONDUIT PATH AND PULL BOX LOCATIONS WITH LANDSCAPE ARCHITECT PRIOR TO STARTING WORK.	) Of	<b>.</b> ຕ	05 Ce.com
PROVIDE AND INSTALL 2" CONDUIT AT LOCATIONS SHOWN FOR PARKING LOT LIGHTING.	design	landscapeplan DESIGN OFFICE 1300 Luisa street, Suit	Santa Fe, NM 87505 t 505.983.1415 www.do-designoffice.com
	<b>EMENTS</b>		21200 19024
	<b>ROMERO PARK - SITE IMPROV</b>	SANTA FE COUNTY	2100 CAJA DEL ORO GRANT ROAD SANTA FE, NEW MEXICO 87507
	DRAWN BY DW SHEET TITLE	DATE De	ecember 20, 2019
	LIC	E ELECT GHTING OWER P	AND
TIPTONENGINERING.CO427 LUISA PLACE427 LUISA PLACESANTA FE, NM 87505KARLT@TIPTONENGINEERING.COWWW.TIPTONENGINEERING.COPROJECT #: 19024	SHEET NUMB	ER	01



ELECTRICAL LIGHTING PLAN - DEDUCT ALT #4





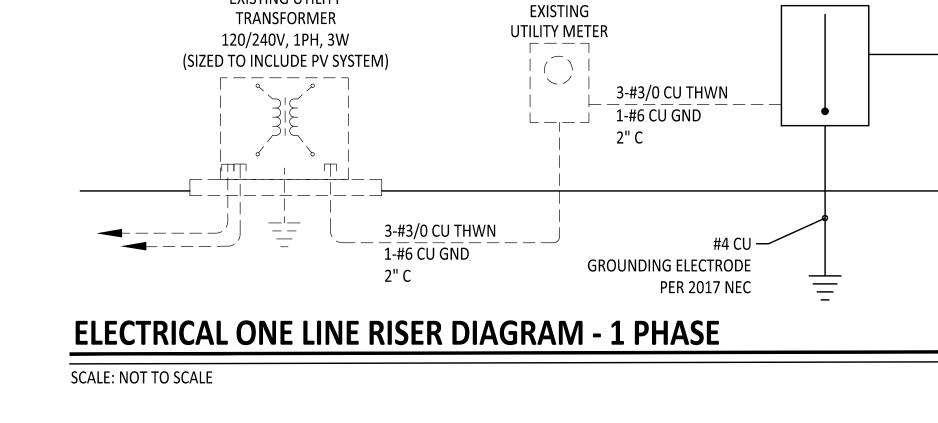
Xoy /

UTILITY

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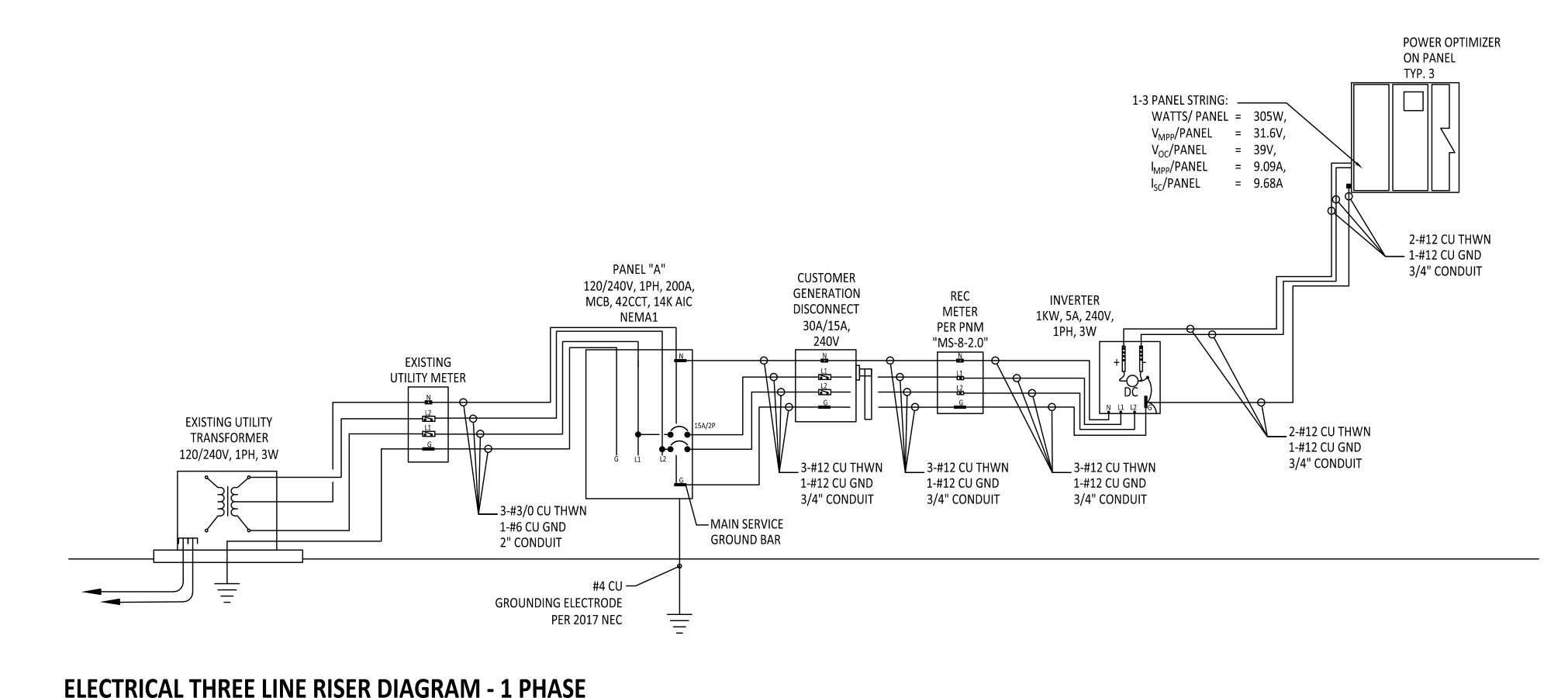
# ELECTRICAL POWER AND SPECIAL SYSTEMS PLAN SCALE: 1/4" = 1'-0"

ERAL SHEET NOTES:	REVISIONS		
E SHEET EO-01 FOR SWITCH DEVICE REQUIREMENTS.	ISSUED	DATE	DESCRIPTION
ORDINATE EXPOSED CONDUIT PATHWAYS WITH ARCHITECT PRIOR TO STARTING WORK. ALL EXPOSED NDUIT TO BE PAINTED. COORDINATE COLOR WITH ARCHITECT. REFER TO 1/A1-02 FOR CONDUIT UTING.			
JSE EXISTING J-BOXES AND CONDUIT WHERE POSSIBLE.			
ED NOTES: 🗇			
OVIDE AND INSTALL J-BOX FOR NEW HAND DRYER. REFER TO ARCH SHEETS FOR LOCATE AND HEIGHT.			
OVIDE AND INSTALL J-BOX FOR NEW ELECTRIC HEATER.			
NEW LIGHT FIXTURE TO PHOTOCELL AND LIGHTING PANEL.			
STING SWITCH / LIGHT TO REMAIN.			200 3954 som
OVIDE NEW WALL OCCUPANCY SENSOR SWITCH. TIE TO EXISTING LIGHT.	UITY 7504		STEMS KDI Street, Suite 200 CO 80401-5954 327 systemskdi.com
OVIDE AND INSTALL SOLAR INVERTER. SEE SHEET E6-02 FOR ADDITIONAL INFORMATION.	DESIGN ENGINUITY PO Box 2758 Santa Fe, NM 87504 t 505.989.3557		HYDROSYSTEMS KDI 860 Tabor Street, Suite Lakewood, CO 80401-' t 303.980.5327 www.hydrosystemskdi.
OVIDE AND INSTALL SOLAR REC METER AND DISCONNECT. FIELD COORDINATE LOCATION WITH CHITECT.	DESIGN PO Box 2 Santa Fe		HYDROSYSTE 860 Tabor Stree Lakewood, CO t 303.980.5327 www.hydrosyst
OVIDE AND INSTALL NEW HAND DRYER USING EXISTING J-BOX		,	×÷r∞ ×
STING ELECTRIC HEATER TO REMAIN.			
OVIDE J-BOX FOR BOTTLE FILLER. REFER TO MANUFACTURE SPECIFICATIONS FOR ROUGH-IN QUIREMENTS. REFER TO ARCH SHEETS FOR MOUNTING HEIGHTS.	ت د ب	ban ism	
MOVE EXISTING ELECTRICAL PANEL. DVIDE MOTION DETECTOR IN LOCATION SHOW. INSTALL PER MANUFACTURE REQUIREMENTS AND	). ff	t d urt	
RIFY FINAL WITH ARCHITECT IN THE FIELD.		anni Suite 2	<u>o</u>
OVIDE PHOTOCELL IN LOCATION SHOW. INSTALL PER MANUFACTURE REQUIREMENTS AND VERIFY FINAL TH ARCHITECT IN THE FIELD.		p e p FFICE street	Santa Fe, NM 87505 t 505.983.1415 www.do-designoffice.o
EXISTING RESTROOM EXHAUST FAN TO LIGHTING CIRCUIT IN FAMILY RESTROOM.		s c a N OI uisa	ta Fe, N 5.983.1. v.do-de
OVIDE AND INSTALL 4" CONDUIT FROM NEAREST DATA PROVIDER TO UTILITY CLOSET 1. COORDINATE NDUIT PATH AND PULL BOX LOCATIONS WITH LANDSCAPE ARCHITECT PRIOR TO STARTING WORK.	ס	Lan DES 130(	San t 50; www
STING IRRIGATION CONTROLS TO REMAIN.	()	12	120/19
NNECT EMERGENCY AND EXIT LIGHT FIXTURE TO UNSWITCHED POWER CIRCUIT.	<b>T</b> S		IMERCIA
	MENT		21200
	<b>JE</b>		and the
A-22,24 A-22,24 A-22,24 A-26			
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	LIGHTI	NG, POV	VER AND
			MS PLANS
TIPTONENGINEERING.CO427 LUISA PLACE427 LUISA PLACESANTA FE, NM 87505KARLT@TIPTONENGINEERING.COWWW.TIPTONENGINEERING.COPROJECT #: 19024	SHEET NUMB	E1-	02



SCALE: NOT TO SCALE

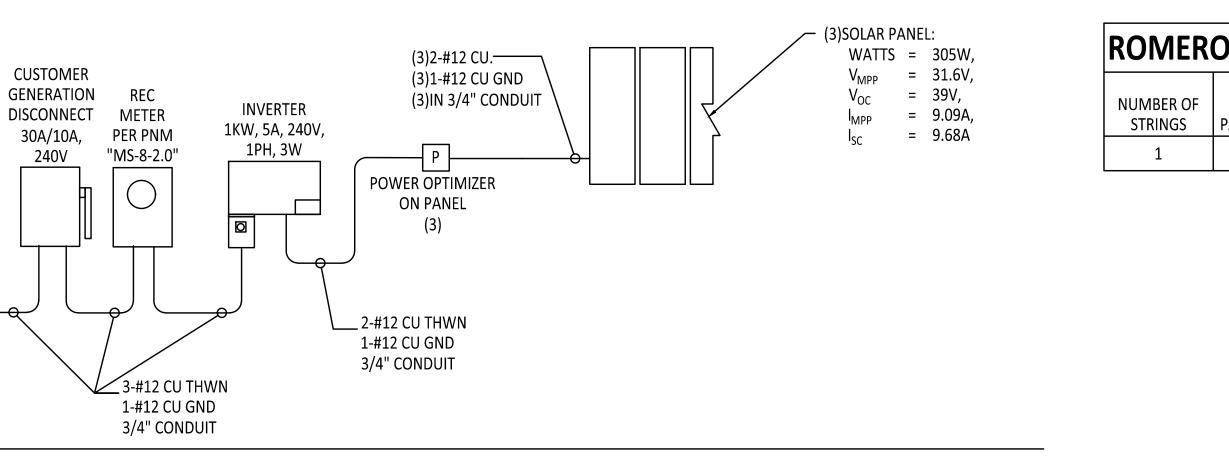
EXISTING UTILITY



PANEL "A"

120/240V, 1PH, 200A, MCB, 42CCT, 14K AIC

NEMA1



REVISIONS ISSUED DATE DESCRIPTION KEYED NOTES: PROVIDE AND INSTALL (3) 300 W PANELS ON BALLASTED ROOF RACK. COORDINATE WITH ARCHITECT FOR STRUCTURAL SUPPORT VERIFICATION AS REQ. SEE DETAIL 9/A2-01. 2. COORDINATE ARRAY LOCATION WITH ROOF STRUCTURE AND IN PROXIMITY OF MECHANICAL ROOM. 0 0 0 0  $\bigcirc$ 200 954 HYDROSYSTEMS KDI 860 Tabor Street, Suite 2 Lakewood, CO 80401-59 t 303.980.5327 www.hvdrosystemskdi.co  $\langle 1 \rangle$  $\langle 1 \rangle$ DESIGN ENGINL PO Box 2758 Santa Fe, NM 87 t 505.989.3557 0 0 0 0 i ce 4 4 design OFFICE sa street, , NM 87; 3.1415 DESIGN C 1300 Luist Santa Fe, t 505.983. www.do-d S VEMENT SOLAR ROOF PLAN SCALE: 1/8" = 1'-0" IMPRO **SOLAR SYSTEM DESCRIPTION** TOTAL PANELS = 3 305W STC WATTS PER PANEL = DEL ORO GRANT ROAD NEW MEXICO 87507 TOTAL PANEL WATTS = 915W STC TOTAL INVERTERS = 1 SITE WATTS PER INVERTER 889W STC = TOTAL INVERTER WATTS 889W STC = \*PROVIDED WITH INVERTER POWER OPTIMIZER. COUNTY ARK **ROMERO PARK SOLAR ARRAY CALCULATIONS** TOTAL AC KW PER TOTAL AC AMPS TOTAL DC KW PER TOTAL DC VOLTS PANELS PER STRING PER STRING STRING PER STRING STRING 0.92 97.5 0.89 3.9 ROMERO Ш 4 2100 CA SANTA  $\vdash$ AN S DRAWN BY DATE December 20, 2019 DW SHEET TITLE 

SOLAR DIAGRAMS AND DETAILS

E6-01

SHEET NUMBER



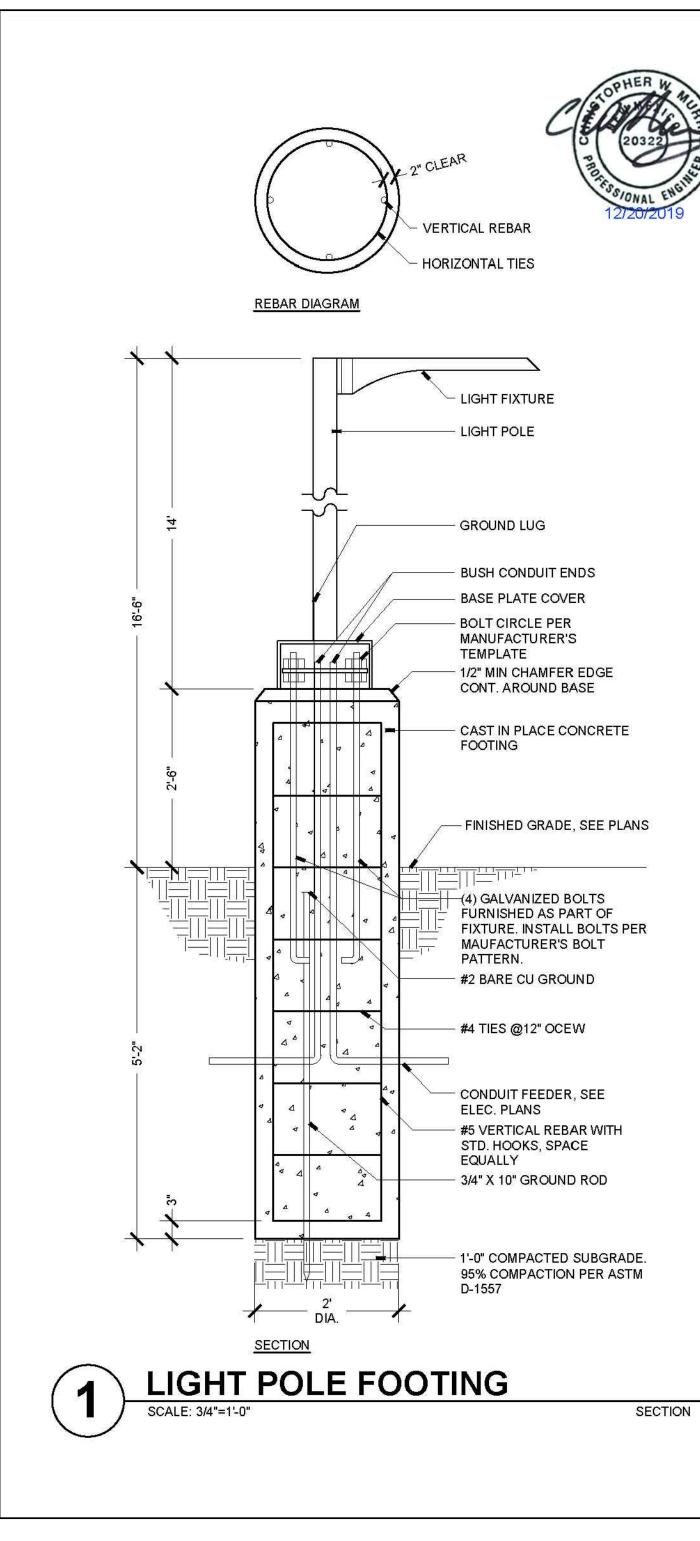
PROJECT #: 19024

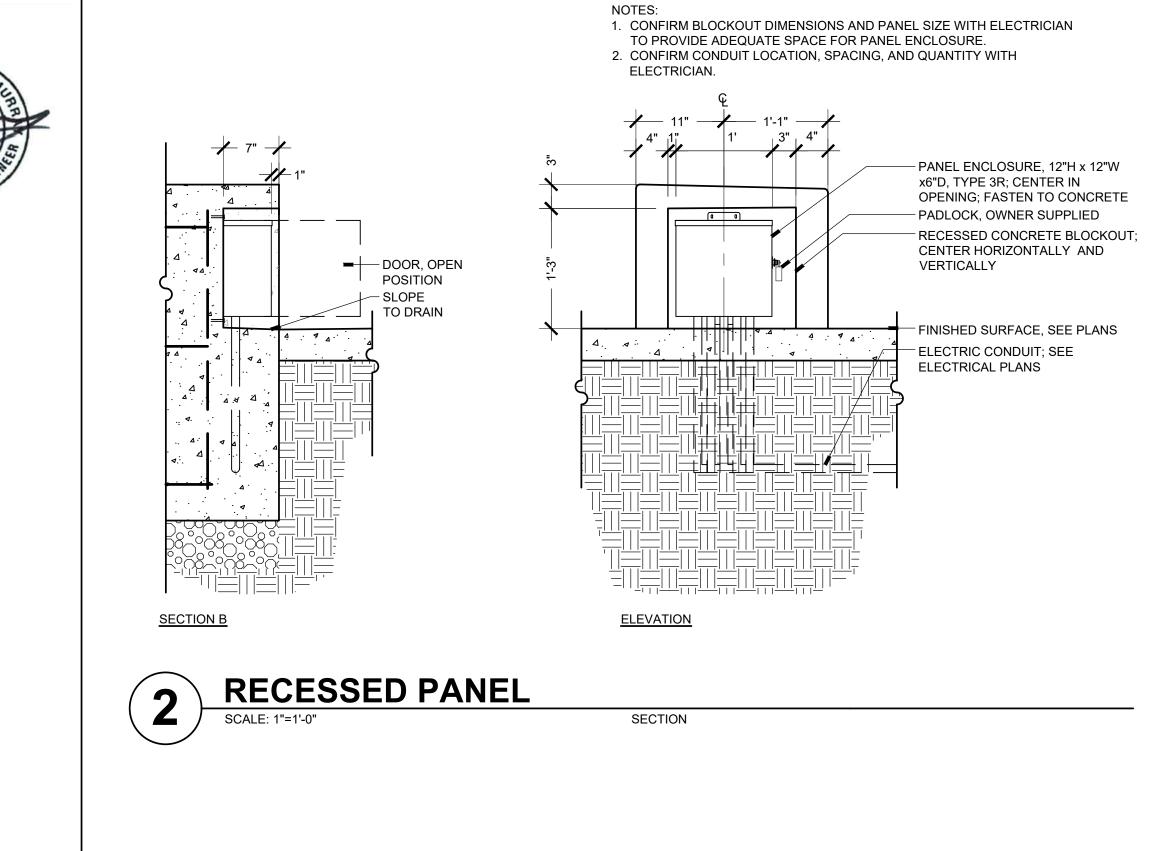
427 LUISA PLACE

SANTA FE, NM 87505

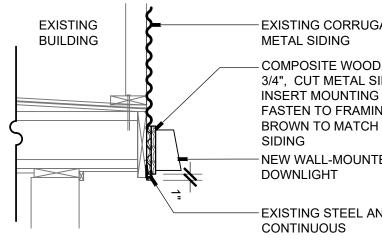
KARLT@TIPTONENGINEERING.CO

WWW.TIPTONENGINEERING.CO





NOTE: ALL CONDUIT TO BE HIDDEN BEHIND METAL SIDING OR WITHIN ROOF CAVITY



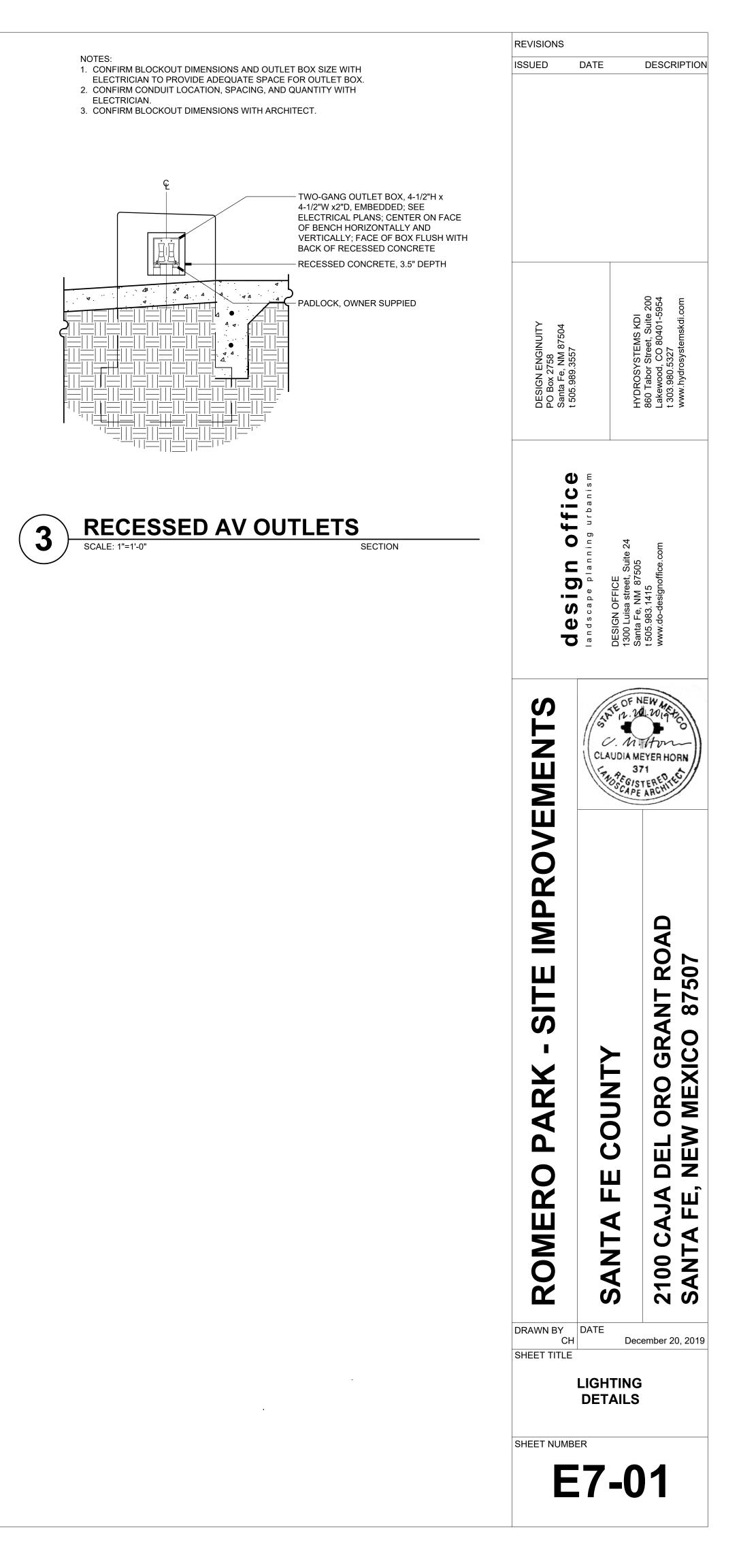
-EXISTING CORRUGATED - COMPOSITE WOOD, 2-6" X 8" X 3/4", CUT METAL SIDING TO INSERT MOUNTING BOARD, FASTEN TO FRAMING; COLOR: BROWN TO MATCH METAL NEW WALL-MOUNTED

- EXISTING STEEL ANGLE,



WALL MOUNTED LIGHT SCALE: 3/4"=1'-0"

SECTION



	PLUMB	ING LEGEN	ID
	EQUIPMENT		PIPING
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
$\otimes$	CLEANOUT TO GRADE (CO)		EXISTING PIPING
$\odot$	DOUBLE CLEANOUT TO GRADE (DCO)		PIPING TO BE REMOVED
⊩—	WALL CLEANOUT (WCO)		SANITARY SEWER PIPING
$\odot$	VENT THROUGH ROOF (V.T.R.)		VENT PIPING
<b>⊕</b>	FLOOR DRAIN (FD)		DOMESTIC COLD WATER PIPING
	FLOOR SINK (FS)		DOMESTIC HOT WATER PIPING
	TRENCH DRAIN (TD)		DOMESTIC RECIRCULATION PIPING
$\oplus$	AREA DRAIN (AD)		GAS PIPING
+- <b>Э</b>	HOSE BIBB (HB)	LG	LOW PRESSURE GAS PIPING
+)	YARD HYDRANT (YH)	——MG——	MEDIUM PRESSURE GAS PIPING
പ്ര	TRAP PRIMER (TP)	LP	LIQUID PETROLEUM GAS PIPING
	ACCESS PANEL (AP)	SD	STORM DRAIN PIPING
0	WATER HAMMER ARRESTOR (WHA)	OD	OVER FLOW DRAIN PIPING
Ø	ROOF DRAIN (RD)	——RD——	ROOF DRAIN PIPING
	WASHER BOX (WB)	C	CONDENSATE PIPING
$\odot$	EXPANSION TANK (ET)	——CA——	COMPRESSED AIR
	SUMP PUMP (SP)	AW	ACID WASTE PIPING
	WATER HEATER (WH)		TEXT SYMBOLS
	BACKFLOW PREVENTER (BFP)	SYMBOL	DESCRIPTION
Ŕ→ヽ→→□ L+Ŕ	RECIRCULATING PUMP (RP)		
೯೦	GAS METER	-(#)	MECHANICAL KEYED NOTES
	FITTINGS	<del>\</del>	PIPE LEADER LINE FOR SIZES
SYMBOL	DESCRIPTION		POINT OF CONNECTION
IļI	UNION		
0	ELBOW UP		POINT OF DISCONNECTION
C	ELBOW DOWN		
-0-	TEE UP	<pre>(###)</pre>	EQUIPMENT DESIGNATION
÷ )	TEE DOWN		
	BREAK CAP	#	REVISION DELTA
	VALVES		ARROW INDICATES DIRECTION OF FLOW
SYMBOL	DESCRIPTION		RISE IN DIRECTION OF FLOW
$\bowtie$	GATE VALVE		
Ň	CHECK VAVLE		DROP IN DIRECTION OF FLOW
þ	BALL VALVE		
ц Ж	PRESSURE REDUCING VALVE		
肉	OUTSIDE STEM AND YOKE		YMBOLS LEGEND IS A GENERAL TION OF DEVICES USED. SOME PROJECTS
	BALANCING, GAS COCK OR GAUGE COCK	MAY NOT UT	ILIZE ALL SYMBOLS REPRESENTED.
$\otimes$	STEAM TRAP		ALL SYMBOLS FROM PLANS.
	VALVE IN RISER		
	AUTO FLOW CONTROL VALVE		

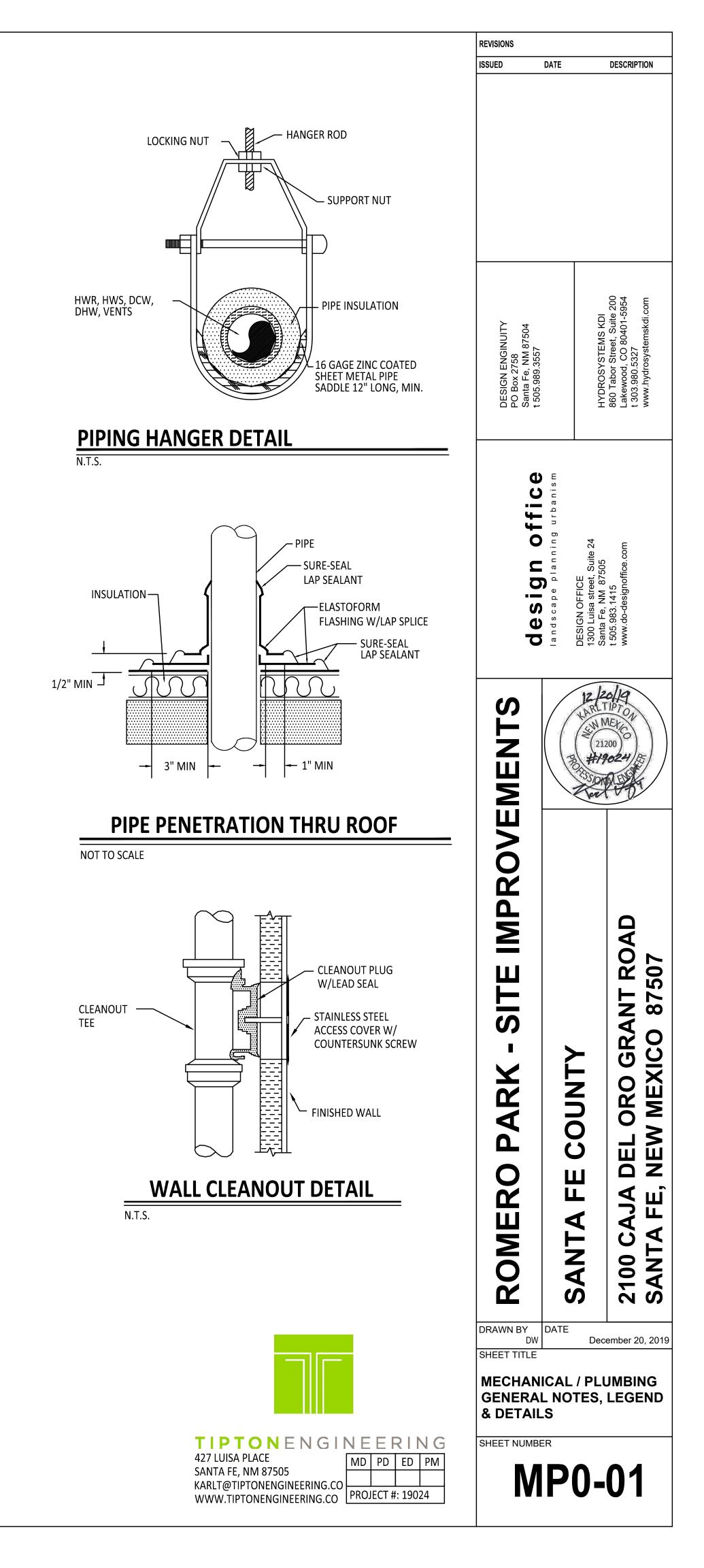
# **GENERAL PROJECT NOTES:**

- A. COMPLETE ALL WORK IN FULL COMPLIANCE WITH THE U.P.C., U.M.C., I.B.C., LIFE SAFETY CODE, N.F.P.A., ADA, AND ALL LOCAL CODES AND ORDINANCES.
- B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE LAYOUT AND INSTALLATION OF THE PLUMBING SYSTEMS INCLUDING ALL COORDINATION WITH NEW AND EXISTING SERVICES, MECHANICAL EQUIPMENT, ELECTRICAL EQUIPMENT, CONDUIT, CEILING, AND ANY OTHER EQUIPMENT THAT MAY REQUIRE COORDINATION EFFORTS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR COORDINATION OF TEMPORARY CUT-OFF OF WATER, SEWER AND NATURAL GAS WITH OWNER AND FOR ALL NECESSARY TRENCHING, BACKFILLING, CUTTING, PATCHING, REPAIRING, ETC., ASSOCIATED WITH THE INSTALLATION OF THE PLUMBING SYSTEM SHOWN ON THE PLANS AND DESCRIBED IN THE SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE INSTALLATION OF THE FIXTURES WITH THE LOCAL CODE REQUIREMENTS FOR HANDICAP ACCESSIBILITY.
- C. VERIFY INVERTS BEFORE ROUTING ANY AND ALL PIPING. NO COMPENSATION WILL BE MADE FOR CONTRACTOR'S FAILURE TO COORDINATE WORK WITH GENERAL CONTRACTOR AND OWNER, AND TO TOTALLY FAMILIARIZE HIMSELF WITH ALL CONSTRAINTS AND LIMITATIONS OF THE WORK REQUIRED.
- D. WASTE PIPING SHALL BE STANDARD PVC. VENT PIPING SHALL BE PVC.
- E. ALL WATER PIPING SHALL BE PEXA. PVC CANNOT BE USED FOR DOMESTIC HOT WATER PIPING.

MINIMUM DEPTH OF	BURY:
WATER	48 IN.
SE/M/EB	24 IN

SEWER 24 IN. NAT. GAS 24 IN.

- G. ROUTE PIPING AS NEARLY AS POSSIBLE TO THE ROUTING INDICATED ON THE PLANS, BUT MAKE MINOR CHANGES IN ROUTING TO ACCOMMODATE THE CONDITIONS AT THE SITE. DO NOT UNDERTAKE MAJOR REROUTING OF PIPING WITHOUT WRITTEN APPROVAL FROM OWNER OR ENGINEER. BE RESPONSIBLE FOR ALL REQUIRED TRANSITIONS, OFFSETS, MINOR RELOCATIONS, AND ALL ASSOCIATED FITTINGS, PIPING, AND EQUIPMENT TO INSTALL A COMPLETE AND OPERATIONAL SYSTEM.
- H. WHENEVER POSSIBLE, IT IS DESIRABLE TO LAY PARALLEL WATER AND SEWER LINES AT LEAST TEN FEET APART HORIZONTALLY, AND THE WATER LINE SHOULD BE AT A HIGHER ELEVATION THAN THE SEWER LINE. IF THIS IS NOT POSSIBLE, SEPARATE TRENCHES WILL BE REQUIRED IN ALL CASES (THIS SHALL BE EFFECTIVE EVEN THOUGH ONE LINE HAS BEEN INSTALLED PRIOR TO THE OTHER), AND THE WATER LINE SHALL BE AT LEAST TWO FEET ABOVE THE SEWER LINE. WHEN WATER AND SEWER LINES CROSS EACH OTHER, THE WATER SHALL BE AT LEAST THREE FEET ABOVE THE SEWER LINE; OTHERWISE, THE SEWER LINE SHALL BE OF CAST IRON PIPE, OR EQUIVALENT FOR NINE FEET EACH SIDE OF THE WATER LINE.
- I. INSTALL ISOLATION VALVES AND UNIONS AT ALL BRANCH TAKEOFFS. PROVIDE ACCESS PANELS TO ALL INACCESSIBLE PLUMBING EQUIPMENT TO INCLUDE BUT NOT LIMITED TO VALVES, CONTROL VALVES, ETC.
- J. ALL PIPING (DOMESTIC HOT WATER, DOMESTIC COLD WATER) IN THE BUILDING SHALL BE INSULATED ACCORDING TO THE NEW MODEL ENERGY CODE.
- K. PROVIDE WALL CLEANOUTS AT ALL SINKS, LAVATORIES, WATER COOLERS, AND WALL MOUNTED URINALS.
- L. PROVIDE 12 IN. LONG VERTICAL UPWARD CAPPED AIR RISERS AT EACH FIXTURE FOR BOTH HW & CW CONNECTIONS TO SERVE AS SHOCK ABSORBERS. PROVIDE WATER HAMMER ARRESTOR BEHIND ACCESS PANEL AT ALL GANG FIXTURE LOCATIONS.
- M. INSTALL CONDENSATE AND OVERFLOW PIPING FROM ALL MECHANICAL EQUIPMENT DRAIN POINTS. EXTEND AND TERMINATE PER UMC/UPC. ALL CONDENSATE AND OVERFLOW PIPING SHALL BE INSULATED PER SPECIFICATIONS FOR APPROPRIATE TEMPERATURE RANGE.
- N. INSULATE ALL COLD AND HOT WATER SUPPLY TUBING AND P-TRAPS AT EACH LAVATORY WITH "TRAP-WRAP" BY BROCAR PRODUCTS INC. INCLUDE ALL FITTINGS FOR A COMPLETE INSTALLATION.
- O. ALL CONTRACTORS BIDDING ON THIS PROJECT ARE CAUTIONED TO VISIT THE SITE AND MAKE ALL NECESSARY INQUIRIES TO DETERMINE THE EXISTING CONDITIONS PRIOR TO SUBMITTING THEIR BIDS. ANY LINES ENCOUNTERED WHICH MAY INTERFERE WITH NEW CONSTRUCTION SHALL BE RELOCATED IF ACTIVE AND ABANDONED IF INACTIVE BY THIS CONTRACTOR UNDER THIS CONTRACT BY FIRST CONTACTING THE ARCHITECT FOR A RULING AS TO THEIR REMOVAL, RELOCATION, ETC.
- P. PROVIDE GAS COCKS AND FLEXIBLE CONNECTIONS AT EACH GAS OUTLET FOR APPLIANCES AND WATER HEATER.
- Q. NATURAL GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL ABOVE GRADE AND SHALL BE SCHEDULE 40 BLACK STEEL WRAPPED WITH SCOTHCH WRAP OR POLYETHYLENE PIPING WHEN BURIED. PIPING SHALL BE PAINTED WHEN EXPOSED.



# MECHANICAL EQUIPMENT SCHEDULE:

BB1 - 2

WALL MOUNTED ELECTRIC CONVECTOR HEATER: WALL MOUNTED, REMOVABLE FRONT COVER AND THERMAL LIMIT PROTECTION SWITCH. HEATING ELEMENT, DISCONNECT SWITCH AND AUTOMATIC THERMAL CUTOUT. INCLUDE BUILT-IN LINE VOLTAGE 2 STAGE THERMOSTAT, DISCONNECT SWITCH, TRANSFORMER RELAY AND POWER RELAY. PROVIDE MANUFACTURES STANDARD WARRANTEES AND ALL EQUIPMENT NECESSARY FOR COMPLETE INSTALLATION AND OPERATION. ELEC: 240V / 1PH / 60HZ

MODEL "Q-MARK" CBD SERIES

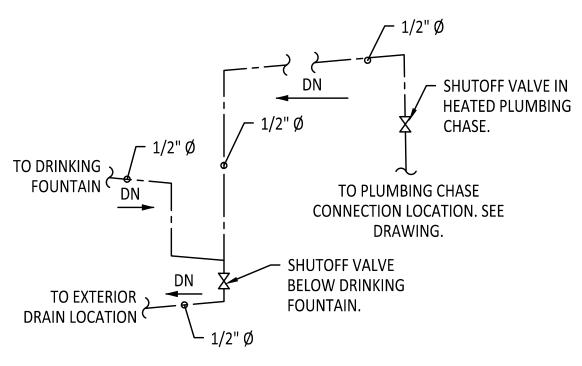
	AMPS	WATTS	LENGTH	MODEL #	SYM
DEDUCTIVE ALTERNATE #	3.1	750	34"	CBD754	BB1
DEDUCTIVE ALTERNATE #	5.2	1250	58"	CBD1254	BB2
DEDUCTIVE ALTERNATE #	3.1	750	34"	CBD754	BB3
•					

## UH1 - 2

UNIT HEATER: ELECTRIC HEAVY DUTY, PROPELLER TYPE, 2.5 KW INPUT, 270 CFM AND MINIMUM 16 FOOT THROW. COMPLETE WITH HIGH LIMIT CUTOUT WITH RESET, ELECTRIC CONNECTIONS, AND ALL OTHER EQUIPMENT NECESSARY FOR COMPLETE OPERATION. INCLUDE HEATING ONLY THERMOSTAT. ELEC: 240V/1PH/60HZ

"QMARK" MODEL MWUH SERIES

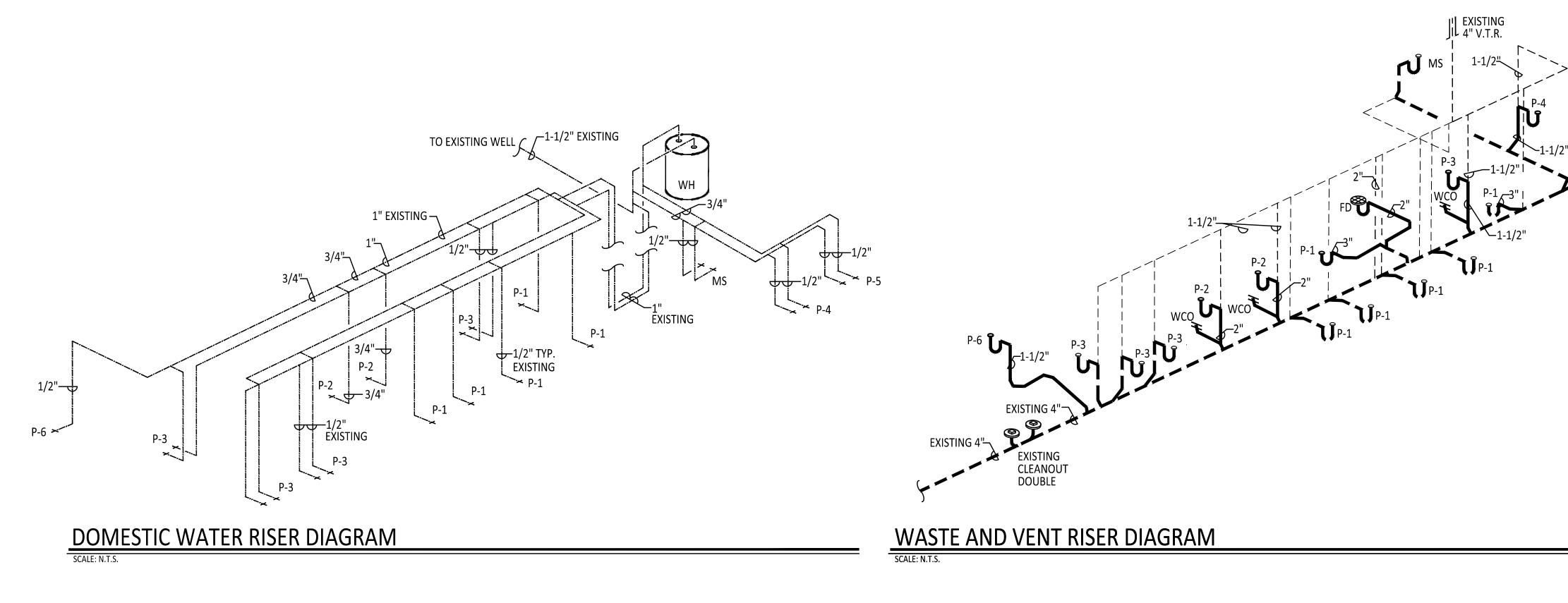
TE #	SYM		WATTS	AMPS
NCI N	UH1	MWU5004	2500	13
ERIC	UH2	MWU5004	2500	13
BL	L			J

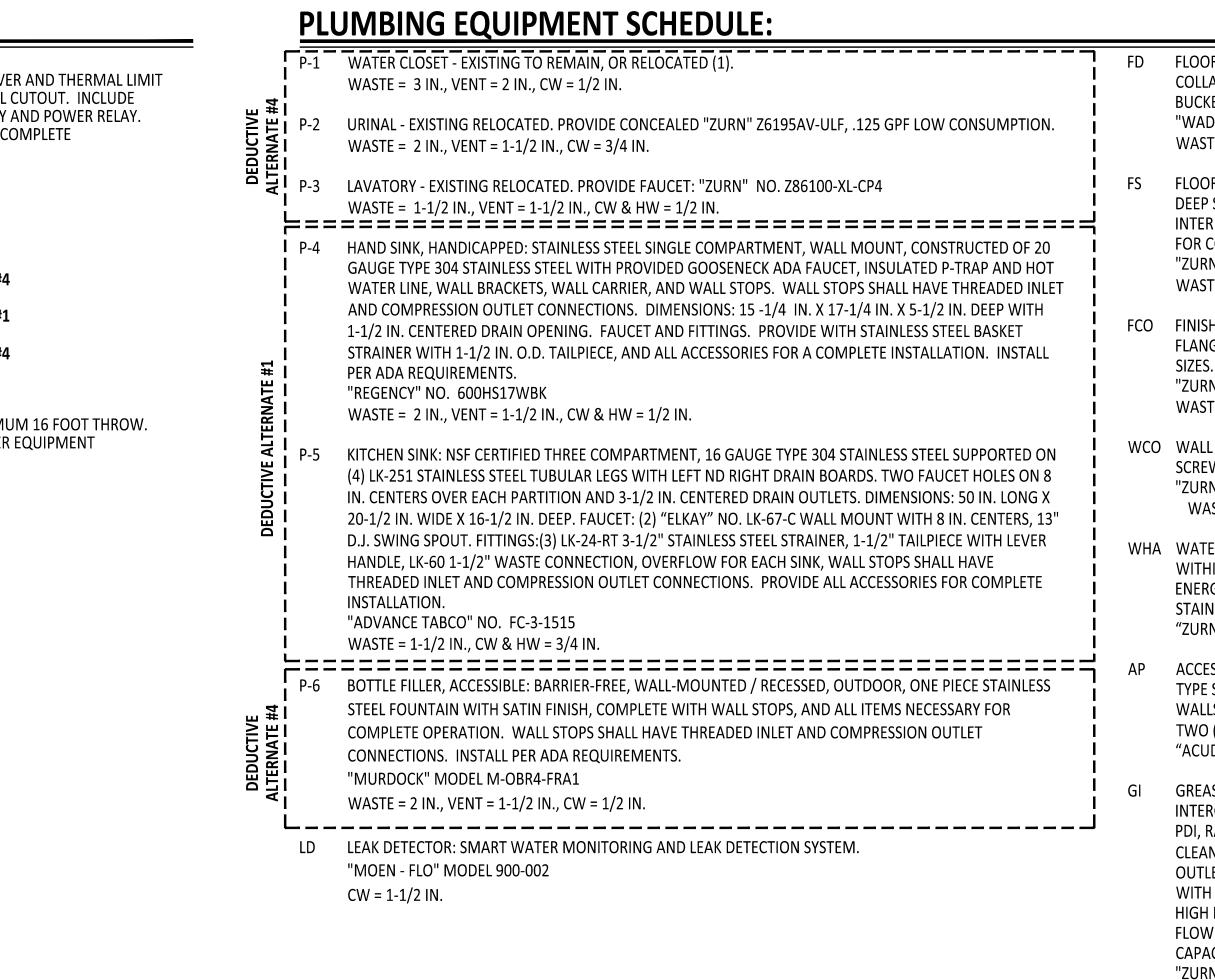


NOTE: SLOPE ALL DRINKING FOUNTAIN DOMESTIC WATER SUPPLY PIPING FROM HIGH POINT IN PLUMBING CHASE TO DRAIN LOCATION. MIN. SLOPE TO BE 1/8" PER FOOT IN DIRECTION SHOWN.

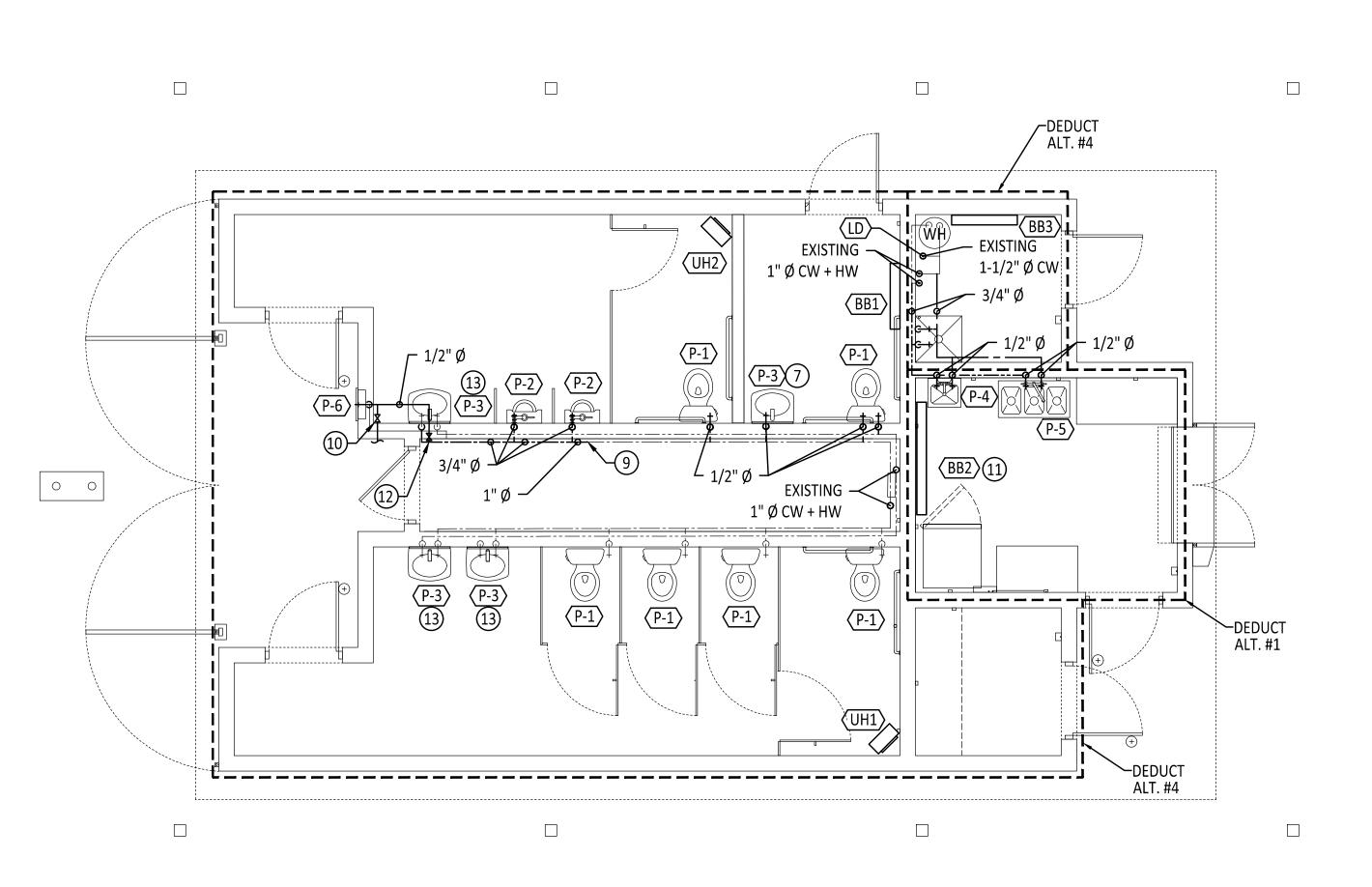
# DRAIN DOWN CONNECTION DETAIL

SCALE: N.T.S.



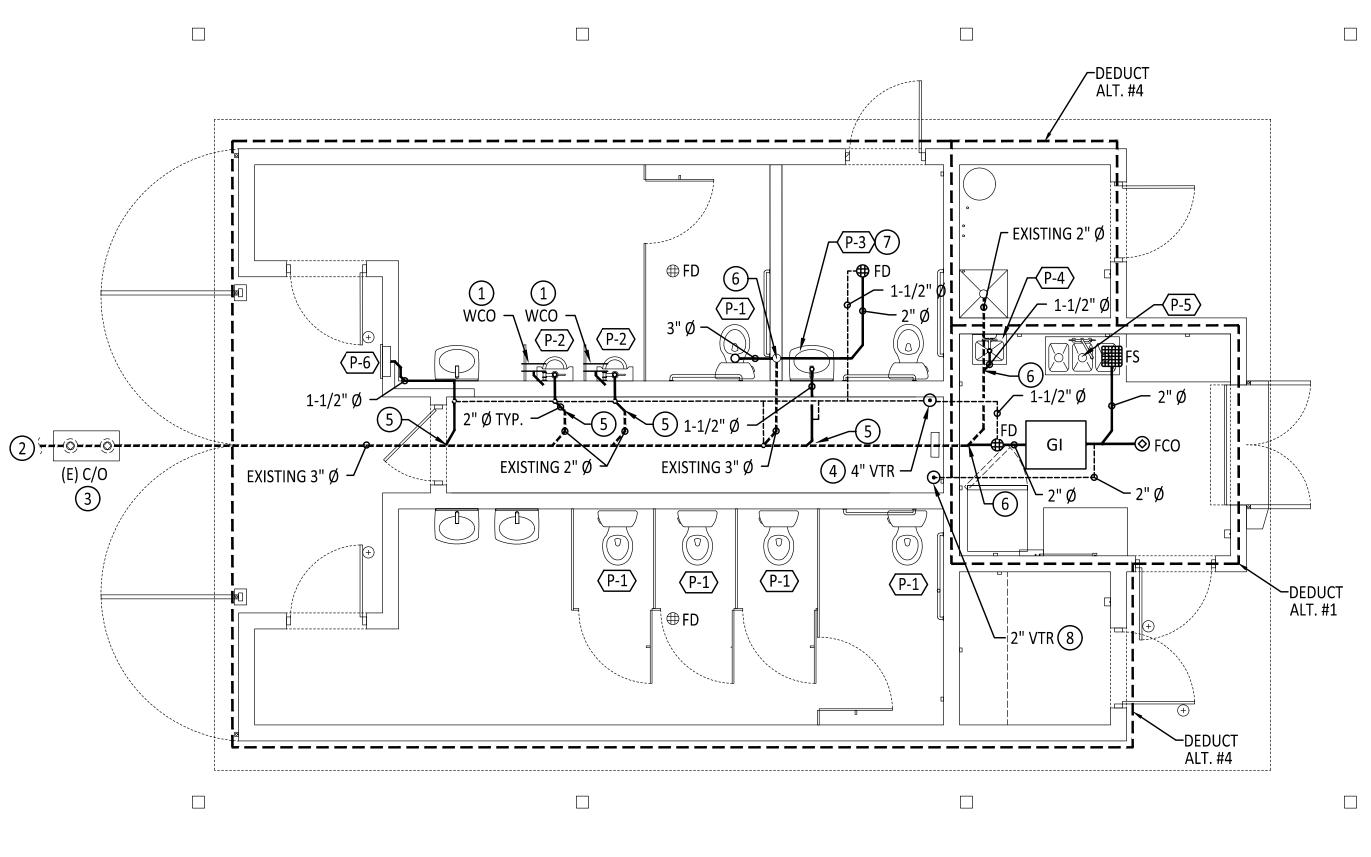


	REVISIONS		
R DRAIN: CAST IRON, MEDIUM DEPTH SUMP FLOOR DRAIN WITH FLANGE, INTEGRAL CLAMPING AR, AND LOOSE SET DUCTILE IRON TRACTOR GRATE, "SURE SEAL" MODEL NO. SS2009L, AND SEDIMENT ET. NO TRAP. SEE PLANS FOR SIZES. DE" NO. W-1210-12-13-27	ISSUED	DATE	DESCRIPTION
TE = (SEE PLANS) R SINK: CAST IRON BODY FLOOR SINK WITH FULL 12 IN. X 12 IN. SLOTTED MEDIUM DUTY GRATE, 8 IN. SUMP, WHITE ACID RESISTING PORCELAIN ENAMEL INTERIOR AND TOP, ALUMINUM ANTI-SPLASH RIOR BOTTOM DOME STRAINER, AND "SURE SEAL" MODEL NO. SS2009L. PROVIDE ALL NECESSARY ITEMS COMPLETE INSTALLATION AND OPERATION. SEE PLANS FOR SIZES. N" NO. Z-1901-P TE = (SEE PLANS); VENT = 1-1/2 IN.			
H FLOOR CLEANOUT: CAST IRON CLEANOUT WITH THREADED ADJUSTABLE HOUSING, SV HUB OUTLET, GED FERRULE WITH PLUG ROUND SCORIATED CAST IRON, SATIN BRONZE TRACTOR TOP. SEE PLANS FOR			
Ν" ΝΟ. Ζ-1400-VP ΓΕ = (SEE PLANS)		Ę	uite 200 1-5954 di.com
L CLEANOUT: BRASS PLUG WITH ROUND STAINLESS STEEL SECURED ACCESS COVER AND VANDAL PROOF W. N" NO. Z-1468-VP ISTE = (SEE PLANS)	DESIGN ENGINUITY PO Box 2758 Santa Fe, NM 87504		860 Tabor Street, Suite 200 Lakewood, CO 80401-5954 t 303.980.5327 www.hydrosystemskdi.com
ER HAMMER ARRESTOR: WATER HAMMER ARRESTOR WITH NESTING TYPE BELLOWS CONTAINED IIN CASING HAVING SUFFICIENT DISPLACEMENT VOLUME TO DISSIPATE THE CALCULATED KINETIC GY GENERATED IN THE PIPING SYSTEM. BOTH CASING AND BELLOWS ARE CONSTRUCTED OF 18-8 NLESS STEEL. SIZE AND LOCATE IN ACCESSIBLE LOCATION PER MANUFACTURER'S GUIDELINES. N" NO. Z-1700, SIZE: BY CONTRACTOR, PER FIXTURE UNIT COUNT			
SS PANEL: PROVIDE AND INSTALL CEILING OR WALL MOUNTED ACCESS PANEL, FOR WALL OR CEILING SPECIFIED, WHERE REQUIRED FOR ACCESS TO VALVES AND WATER HAMMER ARRESTORS IN PLUMBING S OR ABOVE HARD CEILINGS. PROVIDE WITH KEY OPERATED CAM LATCH. SIZE: 12 IN. X 12 IN. PROVIDE (2) SETS OF KEYS TO OWNER. DOR"	office	g urbanis	Eoo
ASE INTERCEPTOR: ACID RESISTANT COATED INTERIOR AND EXTERIOR FABRICATED STEEL GREASE RCEPTOR. ACID RESISTANT COATED INTERIOR AND EXTERIOR FABRICATED STEEL GREASE INTERCEPTOR, RATED AT 25 GPM AND 50 LBS. GREASE CAPACITY, WITH INTERNAL AIR RELIEF BY-PASS, BRONZE NOUT PLUG, REMOVABLE PRESSURE EQUALIZING/FLOW DIFFUSING INLET BAFFLE, FIXED BOTTOM ET BAFFLE, AND VISIBLE DOUBLE WALL TRAP SEAL. GASKETED NON-SKID SECURED COVER COMPLETE I CENTER TIE DOWN ASSEMBLY, WITH Z1108 FLOW CONTROL FITTING. REGULARLY FURNISHED WITH A INLET AND OUTLET CONNECTION. PROVIDE ALL COMPONENTS NECESSARY FOR COMPLETE OPERATION. / RATE = 25GPM, GREASE		DESIGN OFFICE 1300 Luisa street, Su	t 505.983.1415 www.do-designoffice.com
FD C C T T T T T T T T T T T T T	ROMERO PARK - SITE IMPROVEMENTS	SANTA FE COUNTY	2100 CAJA DEL ORO GRANT ROAD SANTA FE, NEW MEXICO 87507
	DRAWN BY DW SHEET TITLE	DATE De	cember 20, 2019
	MECHAI	NICAL / PI DIAGRAM SCHEDUL	S
TIPTONENGINEERING.CO427 LUISA PLACE427 LUISA PLACESANTA FE, NM 87505KARLT@TIPTONENGINEERING.COWWW.TIPTONENGINEERING.COPROJECT #: 19024	SHEET NUMB	er <b>P0-</b>	02



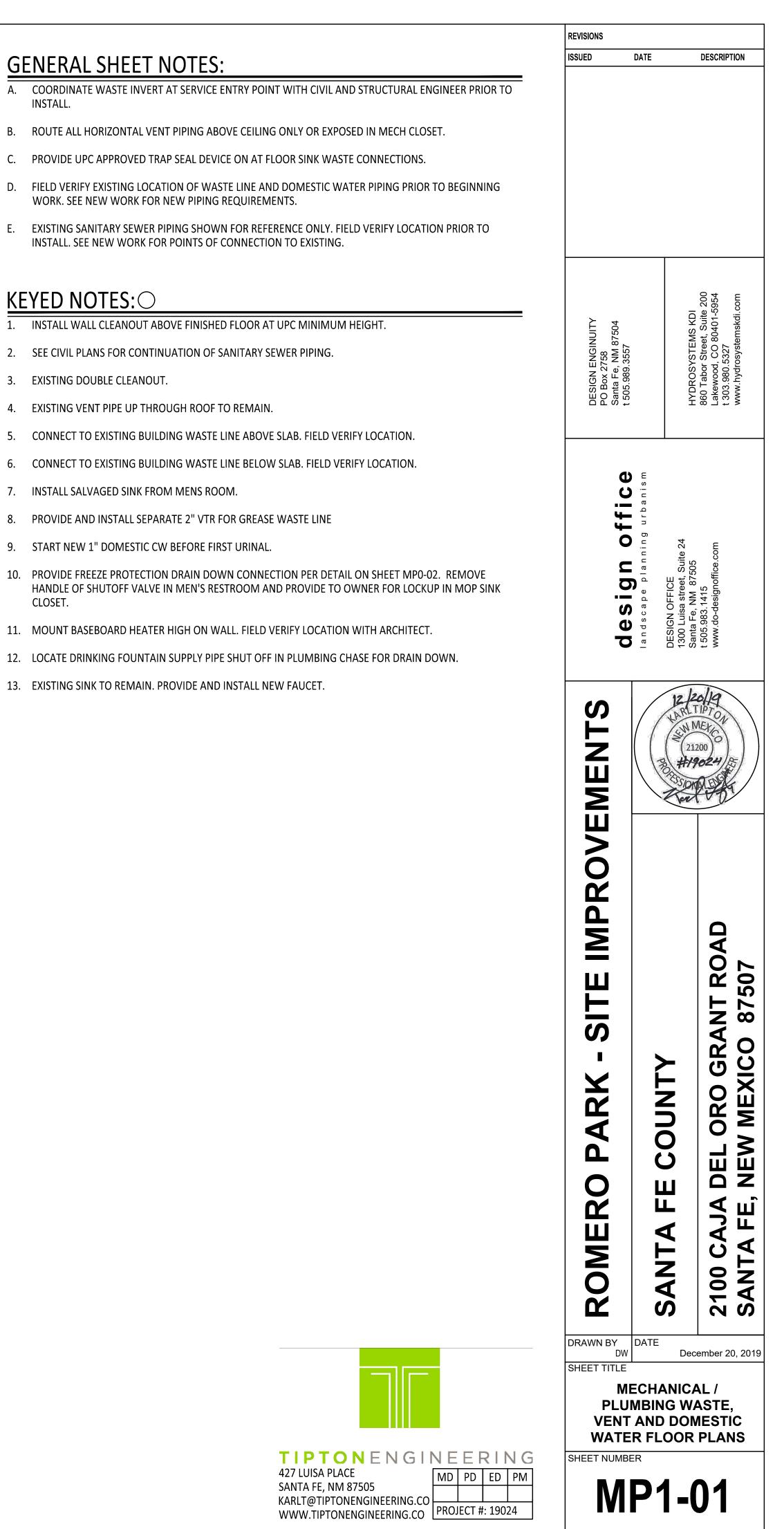


SCALE: 1/4" = 1'-0"



# PLUMBING WASTE AND VENT PLAN

- INSTALL.





# **STRUCTURAL NOTES**

## **GENERAL**

- 1. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE MEANS OR METHOD OR SEQUENCE OF CONSTRUCTION.
- 2. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK THAT CONFORMS WITH THE REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) SAFETY AND HEALTH STANDARDS FOR THE CONSTRUCTION INDUSTRY.
- 3. WHERE REFERENCE IS MADE TO VARIOUS TEST STANDARDS FOR MATERIALS, SUCH
- STANDARDS SHALL BE THE LATEST EDITION AND/OR ADDENDUM. 4. ESTABLISH AND VERIFY ALL OPENINGS, INSERTS, OR EQUIPMENT FOR LANDSCAPE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING WITH APPROPRIATE TRADE. IT IS THE GENERAL CONTRACTORS RESPONSIBILITY TO COORDINATE WITH THE SUBCONTRACTORS AND EQUIPMENT SUPPLIERS. DO NOT PENETRATE ANY STRUCTURAL ELEMENTS (SLABS, FOOTINGS, ETC.) WITHOUT PRIOR WRITTEN
- APPROVAL OF THE ENGINEER OF RECORD THROUGH THE LANDSCAPE ARCHITECT. 5. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND COORDINATE SITE CONDITIONS WITH THE DRAWINGS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES AND OMISSIONS SHALL BE RESOLVED WITH THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION AND PRIOR TO PROCEEDING. DO NOT USE SCALED DIMENSIONS.
- 6. WHERE ANY DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, STRUCTURAL
- NOTES AND SPECIFICATIONS, THE GREATER REQUIREMENTS SHALL GOVERN. 7. TYPICAL DETAILS MAY OR MAY NOT BE CUT ON THE DRAWINGS, AND DETAILS MAY OR MAY NOT BE CUT AT ALL SPECIFIC LOCATIONS, BUT SHALL APPLY UNLESS NOTED OTHERWISE.
- 8. APPROVED EQUAL OPTIONS ARE FOR THE CONTRACTOR'S CONVENIENCE AND ARE SUBJECT TO APPROVAL BY THE ARCHITECT. IF AN OPTION IS CHOSEN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CHANGES AND COSTS NECESSARY AND FOR COORDINATION OF ALL DETAILS AS REQUIRED TO INCORPORATE THE
- OPTION INTO THE WORK. 9. ANY ENGINEERING DESIGN PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NEW MEXICO.

## **CODE AND DESIGN LOADS**

1. ALL CONSTRUCTION SHALL CONFORM TO THE 2015 EDITION OF THE INTERNATIONAL BUILDING CODE.

## FOUNDATIONS

- 1. FOUNDATION DESIGN BASED ON GEOTECHNICAL REPORT #1-91013 BY GEO-TEST DATED NOVEMBER 26, 2019. POST TENSIONED SLABS MUST BEAR ON 12" MINIMUM OF STRUCTURAL FILL.
- 2. ALL CONSTRUCTION SHALL COMPLY WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR ANY GEOTECHNICAL ASPECTS OF THIS PROJECT.
- 3. ABANDONED FOOTINGS, NEW OR EXISTING UTILITIES, ETC., THAT INTERFERE WITH NEW CONSTRUCTION SHALL BE REROUTED OR REMOVED AS COORDINATED WITH THE LANDSCAPE ARCHITECT.
- 4. ALL EXTERIOR FINISHED GRADES SHALL SLOPE AWAY FROM THE COURTS TO ENSURE NO PONDING OF WATER OCCURS AROUND COURTS.

## **REINFORCING STEEL**

- 1. ALL REINFORCING STEEL SHALL BE DETAILED AND PLACED IN CONFORMANCE WITH THE LATEST EDITIONS OF ACI 318 AND THE CRSI "MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION", AND AS MODIFIED BY THE DRAWINGS. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
- 2. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60 (Fy = 60 KSI) DEFORMED BARS FOR ALL BARS #5 AND LARGER. ASTM A615, GRADE 40 (Fy = 40 KSI) DEFORMED BARS FOR ALL BARS #4 AND SMALLER. REINFORCING TO BE WELDED SHALL CONFORM TO ASTM A706, GRADE 60 (Fy = 60 KSI) LOW ALLOY DEFORMED BARS. WELDING OF REINFORCING SHALL BE ACCORDING TO AWS D1.4. NO TACK WELDING OF REINFORCING BARS ALLOWED.
- ALL REINFORCING STEEL SHALL BE ACCURATELY PLACED AND SUPPORTED BY GALVANIZED METAL OR PLASTIC CHAIRS, SPACERS OR HANGERS. PROVIDE THE FOLLOWING MINIMUM CLEAR CONCRETE COVERAGE: CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH - 3" EXPOSED TO EARTH OR WEATHER:
- #6 AND LARGER 2" #5 AND SMALLER - 1 1/2"
- ALL OTHERS PER LATEST EDITION OF ACI 318
- 4. LAP SPLICES IN CONCRETE SHALL BE 48 BAR DIAMETERS (2'-0" MINIMUM). STAGGER ALTERNATE SPLICES A MINIMUM OF ONE LAP LENGTH. ALL SPLICE LOCATIONS SUBJECT TO APPROVAL AND SHALL BE MADE ONLY WHERE INDICATED ON THE DRAWINGS. EXTEND ALL HORIZONTAL REINFORCING CONTINUOUS AROUND CORNERS AND INTERSECTIONS OR PROVIDE BENT CORNER BARS TO MATCH AND LAP WITH HORIZONTAL BARS AT CORNERS AND INTERSECTIONS OF FOOTINGS AND WALLS.
- 5. REINFORCING BAR SPACING GIVEN ARE MAXIMUM ON CENTERS. DOWEL ALL VERTICAL REINFORCING TO FOUNDATION. SKEW HOOKS AS REQUIRED FOR CONCRETE COVER. SECURELY TIE ALL BARS IN POSITION BEFORE PLACING CONCRETE. CONCRETE COLUMN DOWEL EMBEDMENT SHALL BE A STANDARD COMPRESSION DOWEL EMBEDMENT LENGTH PER THE LATEST EDITION OF ACI 318.
- 6. SPLICED BARS SHALL BE PLACED AT THE SAME EFFECTIVE DEPTH UNLESS NOTED OTHERWISE. REINFORCING BARS NOTED "CONTINUOUS" OR WITH LENGTH NOT SHOWN SHALL BE FULLY CONTINUOUS AND SPLICED ONLY AS SHOWN, OR WHERE APPROVED BY THE ENGINEER.
- 7. REINFORCING BAR HOOKS SHALL BE STANDARD ACI HOOKS UNLESS NOTED OTHERWISE.

# **CAST-IN-PLACE CONCRETE**

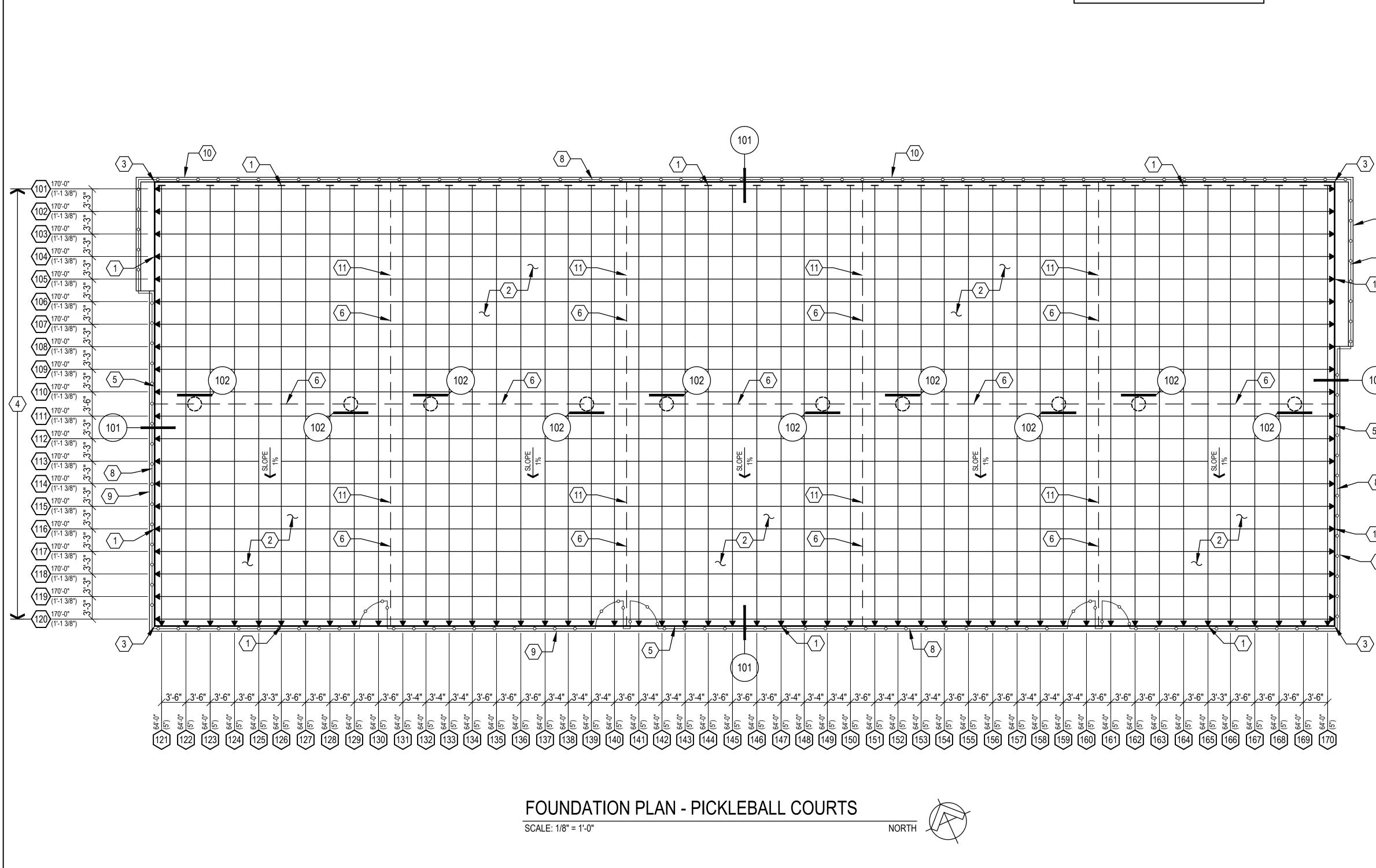
- 1. CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" AND ACI 318, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE".
- 2. ADDITION OF WATER TO THE BATCH FOR MATERIAL WITH INSUFFICIENT SLUMP WILL NOT BE PERMITTED, UNLESS THE SUPPLIER HAS SPECIFICALLY WITHHELD WATER FROM THE BATCH AT THE PLANT. IN SUCH CASE THE MIX DESIGN AND TRUCK TICKET MUST CLEARLY STATE THE MAXIMUM AMOUNT OF WATER THAT CAN BE ADDED TO THE BATCH ON SITE. IN NO CASE SHALL THE DESIGN WATER TO
- CEMENTITOUS MATERIAL RATIO BE EXCEEDED. 3. CONCRETE SHALL BE READY MIXED CONCRETE IN ACCORDANCE WITH ASTM C94. <u>CONCRETE USE</u> <u>POST-TENSIONED SLABS ON GRADE -</u> SLABS ON GRADE -FOUNDATIONS -<u>3,000 PSI (DESIGNED FOR 2500 PSI)</u> <u>3,000 PSI (DESIGNED FOR 2500 PSI)</u> <u>3,000 PSI (DESIGNED FOR 2500 PSI)</u>
- CURBS AND SIDEWALKS 2,500 PSI 4. CEMENT SHALL CONFORM TO ASTM C150, TYPE II. AGGREGATE PER ASTM C33. LIGHTWEIGHT AGGREGATE PER ASTM C330. MAXIMUM 5" SLUMP FOR ALL CONCRETE. CONCRETE CONTAINING SUPERPLASTICIZING ADMIXTURE SHALL HAVE 8" MAXIMUM SLUMP AT PLACEMENT. MIX DESIGNS SHALL BE DESIGNED BY THE CONCRETE PRODUCTION FACILITY IN ACCORDANCE WITH ACI 301 AND APPROVED BY THE
- ENGINEER OF RECORD PRIOR TO CONSTRUCTION.
  5. CONCRETE SHALL BE FREE OF CHLORIDE. WHEN USED, FLY ASH SHALL CONFORM TO ASTM C618, CLASS F. FLY ASH SHALL NOT REPLACE MORE THAN 20% OF CEMENT BY WEIGHT
- WEIGHT. 6. CONCRETE SHALL NOT BE DROPPED MORE THAN FIVE FEET VERTICALLY WITHOUT USE OF TREMIES.
- 7. CONCRETE FOOTINGS AND SLABS/PADS MAY BE POURED AGAINST NEAT EXCAVATIONS PROVIDED THAT FOOTING DIMENSION ARE ADHEREED TO, AND THE
- REQUIRED CONCRETE COVERAGE FOR REINFORCING IS MAINTAINED. 8. PROVIDE SLEEVES FOR UTILITY OPENINGS IN CONCRETE BEFORE PLACING
- CONCRETE. DO NOT CUT ANY CONFLICTING REINFORCING. 9. PROVIDE 3/4" CHAMFER ON ALL EXPOSED EDGES OF BEAMS, COLUMNS, WALLS,
- SLABS, ETC., U.N.O. 10. MECHANICALLY VIBRATE ALL CONCRETE WHEN PLACED, EXCEPT SLABS ON GRADE, 4" INCHES OR LESS IN THICKNESS, NEED BE VIBRATED ONLY AT AREA OF REINFORCEMENT, EMBEDDED ITEMS, THICKENED AREA, AND ADJACENT TO PENETRATIONS.
- 11. CONCRETE WHICH HAS CONTAINED WATER FOR MORE THAN 90 MINUTES (60 MINUTES IF AIR TEMPERATURE EXCEEDS 85DEGREES) SHALL NOT BE USED.
- RETEMPERING OF CONCRETE AFTER INITIAL SET HAS OCCURRED IS NOT PERMITTED. 12. CURE EXPOSED CONCRETE FOR A MINIMUM OF 7 DAYS IN ACCORDANCE WITH ACI 301 PROCEDURES IN ORDER TO PREVENT CRACKING. CURE WITH CURING AND SEALING COMPOUND, MOIST CURING, MOISTURE-RETAINING COVER CURING, OR COMBINATIONS THEREOF. IF CURING COMPOUND IS USED, APPLY AT A RATE SPECIFIED BY THE MANUFACTURER.
- 13. CONCRETE COMPRESSIVE STRENGTH AND SLUMP SHALL BE TESTED PER ASTM C31, C39 AND C143. PROVIDE 3 CYLINDERS PER TEST FOR EACH DAY'S CONCRETE PLACEMENT OR AS DIRECTED BY THE ENGINEER. TEST ONE CYLINDER AT 7 DAYS AND TWO AT 28 DAYS. TESTING SHALL BE DONE BY A QUALIFIED TESTING LABORATORY.
- ALL HOT WEATHER CONCRETING SHALL MEET THE REQUIREMENTS OF ACI 305; AND ACI 306 FOR COLD WEATHER CONCRETING.
   THE ENGINEER OF RECORD IS NOT AN EXPERT IN THE FIELD OF CONCRETE
- MOISTURE AND IS NOT RESPONSIBLE FOR ANY ISSUES THAT MAY OCCUR/ARISE FROM BELOW SLAB MOISTURE THAT MAY ENTER THE SLAB (AND HOW THAT MAY AFFECT FLOORING; INTERIOR NON-BEARING WALLS; ETC.). IT IS THE CONTRACTOR'S/OWNER'S RESPONSIBILITY TO HIRE A GEOTECHNICAL ENGINEER TO ADVISE ON THE POSSIBLE USE OF A VAPOR BARRIER; CONCRETE ADMIXTURE; ETC.

## **POST-TENSIONED CONCRETE (ON GRADE):**

- 1. PRESTRESSING STRANDS SHALL BE LOW-RELAXATION STRAND, 1/2" DIAMETER (CROSS-SECTIONAL AREA = 0.153 SQUARE INCHES). 7-WIRE STRANDS CONFORMING TO ASTM A416, GRADE 270. THE STRANDS SHALL HAVE A GUARANTEED MINIMUM ULTIMATE STRENGTH OF 270,000 PSI. A WRITTEN GUARANTEE SHALL BE SUBMITTED TO THE ENGINEER OF RECORD BY THE MANUFACTURER. MODULUS OF ELASTICITY = 28,000,000 PSI.
- 2. PRESTRESSING STRANDS SHALL BE CLEAN AND FREE OF CORROSION. STRANDS SHALL BE WRAPPED WITH 25 MIL MINIMUM EXTRUDED POLYETHYLENE SHEATHING. ANY DAMAGE TO THE SHEATHING PRIOR TO OR DURING INSTALLATION MUST BE REPAIRED TO THE SATISFACTION OF THE ENGINEER PRIOR TO PLACING OF ANY CONCRETE.
- 3. PRESTRESSING STRAND SHALL BE AS FOLLOWS: 1/2" DIAMETER 7-WIRE STRANDS;
  MAXIMUM ANCHORING FORCE = 28.9 KIPS/STRAND (.7 Fpu = 189 KSI STRESS).
  MAXIMUM TEMPORARY FORCE AT JACKING - 33.0 KIPS/STRAND (.8 Fpu = 216 KSI
- STRESS). - MAXIMUM ELONGATION = 0.081 INCHES/LINEAR FOOT OF STRAND. - CONCRETE COMPRESSION STRENGTH AT TIME OF TRANSFER OF PRESTRESS FORCE
- CONCRETE COMPRESSION STRENGTH AT TIME OF TRANSFER OF PRESTRESS FORCE TO CONCRETE SHALL BE AT LEAST 1,800 PSI.
  4. POST TENSION STRAND ANCHORAGES SHALL BE ICC RATED PER ICC REPORT # ESR-2381 AND SHALL BE REVIEWED BY THE ENGINEER PRIOR TO INSTALLATION. ONE SAMPLE OF THE PRESTRESSING STRANDS FROM EACH REEL OF HEAT SHALL BE
- SAMPLE OF THE PRESTRESSING STRANDS FROM EACH REEL OF HEAT SHALL BE TESTED BY AN APPROVED LABORATORY. TEST RESULTS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW.
  5. AN ACCURATE RECORD OF ALL JACKING FORCES AND ELONGATIONS SHALL BE
- MAINTAINED AND RECORDED BY THE CONTRACTOR ON APPROVED FORMS. RECORDINGS SHALL NOT VARY MORE THAN 7% FROM THE REQUIRED VALUES.
- 6. ALL POCKETS REQUIRED FOR ANCHORAGES SHALL BE ADEQUATELY REINFORCED SO AS NOT TO DECREASE THE STRENGTH OF THE STRUCTURE AND WATERPROOFED PER PTI RECOMMENDATIONS SO AS TO ELIMINATE WATER LEAKAGE THROUGH THE POCKET. STRANDS SHALL BE DRAPED TO APPROXIMATELY A PARABOLIC PROFILE BETWEEN SUPPORTS, EXCEPT AS NOTED, AND SHALL CONFORM TO THE CONTROL POINTS SHOWN IN THE PROFILE. DIMENSIONS INDICATE THE CENTER OF GRAVITY OF THE STRAND MEASURED FROM THE BOTTOM OF THE BEAM OR SLAB. LOW POINTS ARE AT MIDSPAN UNLESS NOTED OTHERWISE. STRANDS SHALL BE SECURELY SUPPORTED TO PREVENT DISPLACEMENT DURING SUBSEQUENT OPERATIONS. BARS AND CHAIRS SHALL BE PROVIDED AS REQUIRED TO MAINTAIN THE STRANDS IN THEIR TRUE POSITION. THE VERTICAL AND HORIZONTAL DEVIATIONS OF ALL STRANDS SHALL CONFORM TO THE LATEST ACI CODE.
- 7. SLIGHT DEVIATIONS IN SPACING OF THE SLAB STRANDS WILL BE PERMITTED WITH THE APPROVAL OF THE ENGINEER WHERE REQUIRED TO AVOID OPENINGS, INSERTS AND DOWELS WHICH ARE SPECIFICALLY LOCATED. WHERE LOCATIONS OF STRANDS SEEM TO INTERFERE WITH EACH OTHER, ONE (1) STRAND MAY BE MOVED HORIZONTALLY IN ORDER TO AVOID THIS INTERFERENCE. WHERE STRANDS ARE THREADED THROUGH CAGES OF REINFORCING STEEL, CARE SHALL BE TAKEN TO ENSURE THE THE STRAND PASSES THROUGH FREELY AND BINDING DOES NOT OCCUR DURING THE STRESSING OPERATION. THE MINIMUM RADIUS OF CURVATURE FOR THE STRANDS SHALL BE 10 FEET OR 10 TIMES THE DEPTH OF THE CONCRETE SECTION, WHICHEVER IS LARGER.
- 8. TWO (2) #3 CONTINUOUS BARS SHALL BE PLACED BEHIND ALL ANCHORAGES FOR PRESTRESSING STRANDS IN SLABS.
   9. SHOP DRAWINGS SHALL CONTAIN THE FOLLOWING INFORMATION:
- CENTERLINE OF PRE-STRESSING FORCE WITH OFFSETS SHOWN AT MAXIMUM 3'-0" INTERVALS.
- DIMENSIONAL TOLERANCES FOR LOCATING PRESTRESSING STRANDS.
   STRAND LAYOUT AND DIMENSIONS LOCATING STRANDS IN HORIZONTAL PLANE.
   STRAND PROFILE SHOWING CHAIRS, CHAIR HEIGHTS, LOCATION OF TYING STEEL AND OTHER INFORMATION REGARDING METHOD OF TENSIONING STRAND.
- JACKING FORCES AT ANCHORAGE, TEMPORARY JACKING FORCES, REQUIRED

ELONGATIONS, SCHEDULE AND SEQUENCE OF TENSIONING STRAND. - A SCHEDULE AND SEQUENCE OF TENSIONING STRAND SHALL BE ESTABLISHED AND SHOWN ON THE SHOP DRAWINGS.

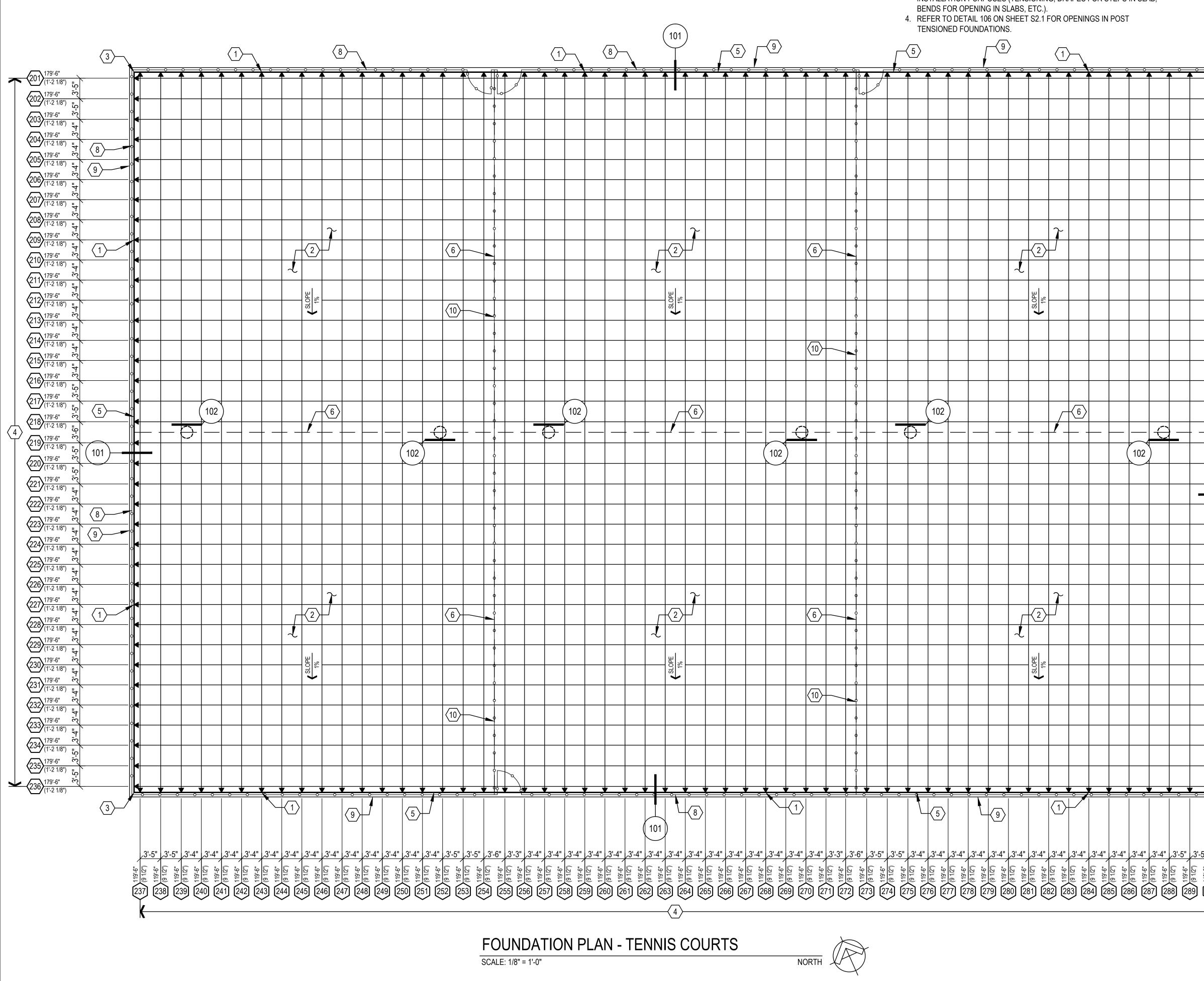
### REVISIONS DATE DESCRIPTION ISSUED STRUCTURAL STEEL 1. STRUCTURAL STEEL CONSTRUCTION SHALL CONFORM TO THE LATEST AISC SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS. 2. STRUCTURAL PROPERTIES: STEEL PIPE - ASTM A501 (Fy = 36 KSI) OR ASTM A53, TYPE E OR S, GRADE B (Fy = 35 KSI). 3. WELDING ELECTRODES SHALL CONFORM TO AWS D1.1, GRADE E70XX. E80 SERIES ELECTRODES SHALL BE USED FOR ASTM A706 REINFORCING BARS. ALL WELDING SHALL BE DONE BY WELDERS HOLDING VALID CERTIFICATES ISSUED BY AN ACCEPTED TESTING AGENCY AND HAVING CURRENT EXPERIENCE IN TYPE OF WELDS SHOWN ON THE DRAWINGS OR NOTES. ALL WELDING PER AMERICAN WELDING SOCIETY STANDARDS. ALL WELDS ON DRAWINGS ARE SHOWN AS SHOP WELDS. CONTRACTOR MAY SHOP WELD OR FIELD WELD AT THEIR DISCRETION. SHOP WELDS OR FIELD WELDS SHALL BE SHOWN ON SHOP DRAWINGS. FULL PENETRATION WELDS SHALL BE TESTED AND CERTIFIED BY AN INDEPENDENT TESTING LABORATORY. 4. IF IT IS NECESSARY TO SPLICE ANY MEMBER, SPLICE LOCATIONS ARE SUBJECT TO REVIEW TO THE STRUCTURAL ENGINEER. SPLICES SHALL BE FULL PENETRATION WELDED AND TESTED. INDICATE ALL SPLICE LOCATIONS. AND WELDING PROCEDURES ON SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION. PROVIDE FABRICATOR'S STANDARD RUST-INHIBITING PRIMER SHOP PAINT FOR ALL STEEL SURFACES EXCEPT SURFACES ENCASED IN CONCRETE. OR TO RECEIVE SPRAY-APPLIED FIREPROOFING. t 50 **SHOP DRAWINGS AND SUBMITTALS:** 1. SUBMITTALS AND SHOP DRAWINGS SHALL BE SUBMITTED FOR THE FOLLOWING STRUCTURAL ITEMS IN ADDITION TO ANY SUBMITTALS REQUIRED BY THE SPECIFICATIONS AND DEFERRED SUBMITTALS (LISTED BELOW). <u>ة</u> 1) CONCRETE MIX DESIGN 2) CONCRETE PRODUCT DATA AND MATERIAL TEST REPORTS U a 3) FOUNDATION REINFORCING (DRAWINGS AND PRODUCT DATA) CONSTRUCTION DOCUMENTS SHALL NOT BE REPRODUCED FOR USE AS SHOP DRAWINGS. THE CONTRACTOR SHALL NOT VARY FROM THE APPROVED MIX DESIGNS WITHOUT APPROVAL FROM THE ENGINEER OF RECORD. 2. THE GENERAL CONTRACTOR SHALL REVIEW AND STAMP ALL SHOP DRAWINGS 0 AND PRODUCT DATA FOR CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS PRIOR TO SUBMITTAL. ANY SHOP DRAWINGS OR PRODUCT DATE NOT REVIEWED AND STAMPED BY THE GENERAL CONTRACTOR WILL BE RETURNED WITHOUT REVIEW. THE CONTRACTOR SHALL CLOUD OR FLAG ALL ITEMS NOT IN ig ACCORDANCE WITH THE CONTRACT DOCUMENTS. VERIFY ALL DIMENSIONS WITH ARCHITECT. 3. ANY CHANGES, SUBSTITUTIONS, OR DEVIATIONS FROM THE ORIGINAL CONTRACT S DRAWINGS SHALL BE CLOUDED BY THE MANUFACTURER OR FABRICATOR. ANY Φ CHANGES, SUBSTITUTIONS, OR DEVIATIONS WHICH ARE NOT CLOUDED OR FLAGGED BY SUBMITTING PARTIES, SHALL NOT BE CONSIDERED ALLOWED AFTER σ THE ENGINEER'S REVIEW, UNLESS NOTED ACCORDINGLY BY THE ENGINEER OF RECORD 4. THE ENGINEER OF RECORD RESERVES THE RIGHT TO ALLOW OR NOT ALLOW ANY CHANGES TO THE ORIGINAL CONTRACT DRAWINGS AT ANY TIME BEFORE OR AFTER SHOP DRAWING REVIEW. 5. THE SHOP DRAWINGS DO NOT REPLACE THE ORIGINAL CONTRACT DRAWINGS. **(**) ITEMS OMITTED OR SHOWN INCORRECTLY AND WHICH ARE NOT NOTED AS ALLOWED BY THE ENGINEER OF RECORD OR ARCHITECT ARE NOT TO BE CONSIDERED CHANGES TO THE ORIGINAL CONTRACT DRAWINGS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ITEMS OMITTED OR SHOWN INCORRECTLY ARE CONSTRUCTED IN ACCORDANCE WITH THE ORIGINAL CONTRACT DRAWINGS. 6. ALL ENGINEERING DESIGNS AND LAYOUTS PERFORMED BY OTHERS SHALL BE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN WHICH THE Σ PROJECT IS LOCATED 7. REVIEWING IS INTENDED ONLY AS AN AID TO THE CONTRACTOR IN OBTAINING CORRECT SHOP DRAWINGS. RESPONSIBILITY FOR CORRECTNESS AND COMPLETENESS SHALL REST WITH THE CONTRACTOR. 8. SHOP DRAWINGS WILL BE RETURNED FOR RESUBMITTAL IF MAJOR ERRORS ARE FOUND DURING REVIEW. 9. NO MORE THAN TWO SETS OF BLUELINE PRINTS AND ONE SET OF REPRODUCIBLES WILL BE REVIEWED FOR ANY INDIVIDUAL SUBMITTAL. O 10. ALLOW A MINIMUM OF FIVE WORKING DAYS FOR REVIEW OF SHOP DRAWINGS BY THE ENGINEER OF RECORD. Ω **SPECIAL INSPECTIONS:** Σ 1. SPECIAL INSPECTIONS SHALL BE PERFORMED BY A QUALIFIED INSPECTOR AS APPROVED BY THE BUILDING OFFICIAL Ο 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A MINIMUM OF 24 HOURS NOTICE TO THE SPECIAL INSPECTOR AND THE TESTING LABORATORY R 0 PRIOR TO BEGINNING ANY WORK FOR WHICH SPECIAL INSPECTION OR TESTING IS S REOUIRED. 3. SPECIAL INSPECTION IS REQUIRED DURING THE FOLLOWING OPERATIONS PER IBC CHAPTER 17: Ζ $\mathbf{\infty}$ A.POST TENSION SLAB: DURING PLACEMENT OF REINFORCING STEEL AND S POST TENSION TENDONS IN CONCRETE AND DURING ALL STRESSING OF POST TENSION TENDONS - PERIODIC. ς **β** Ο 1 4. DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR: A.THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR $\mathbf{O}$ CONFORMANCE WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS. B. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE Ζ BUILDING OFFICIAL AND TO THE ENGINEER OR LANDSCAPE ARCHITECT OF Ш RECORD. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE Σ ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, TO THE ENGINEER OR ARCHITECT OF RECORD AND THE Ο BUILDING OFFICIAL 0 3 C. UPON COMPLETION OF THE ASSIGNED WORK, THE SPECIAL INSPECTOR Ω SHALL COMPLETE AND SIGN A FINAL REPORT CERTIFYING THAT TO THE $\mathbf{O}$ BEST OF THE INSPECTOR'S KNOWLEDGE, THE WORK IS IN CONFORMANCE Ш WITH THE APPROVED PLANS AND SPECIFICATIONS, AND THE APPLICABLE Ζ WORKMANSHIP PROVISIONS OF THE CODE. O M Ш ш Σ $\mathbf{O}$ Ζ 0 0 M N N DRAWN BY DATE 12.20.19 SHEET TITLE GENERAL STRUCTURAL NOTES NGINEEKING, H STRUCTURAL CONSULTANTS 505.270.5047 SHEET NUMBER 4 SNOWCAP CT., CEDAR CREST, NEW MEXICO 87008 THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNTIL SEALED AND SIGNED BY ENGINEER OF RECORD. REUSE OR REPRODUCTION WITHOUT WRITTEN PERMISSION IS PROHIBITED.



- 1. SEE SUPPLEMENTAL TECHNICAL SPECIFICATIONS FOR STRUCTURAL NOTES (MATERIALS, REQUIREMENTS, ETC.).
- 2. VERIFY ALL DIMENSIONS WITH LANDSCAPE ARCHITECT'S DRAWINGS PRIOR TO CONSTRUCTION. ALL DIMENSIONAL DISCREPANCIES SHALL BE COORDINATED WITH THE LANDSCAPE ARCHITECT.
- 3. TENDON LENGTH SHOWN ON PLAN IS FROM SLAB EDGE TO SLAB EDGE. CONTRACTOR MUST INCREASE LENGTH AS REQUIRED FOR INSTALLATION PURPOSES (TENSIONING, DRAPES FOR STEPS IN SLAB,
- BENDS FOR OPENING IN SLABS, ETC.). 4. REFER TO DETAIL 106 ON SHEET S2.1 FOR OPENINGS IN POST TENSIONED FOUNDATIONS.

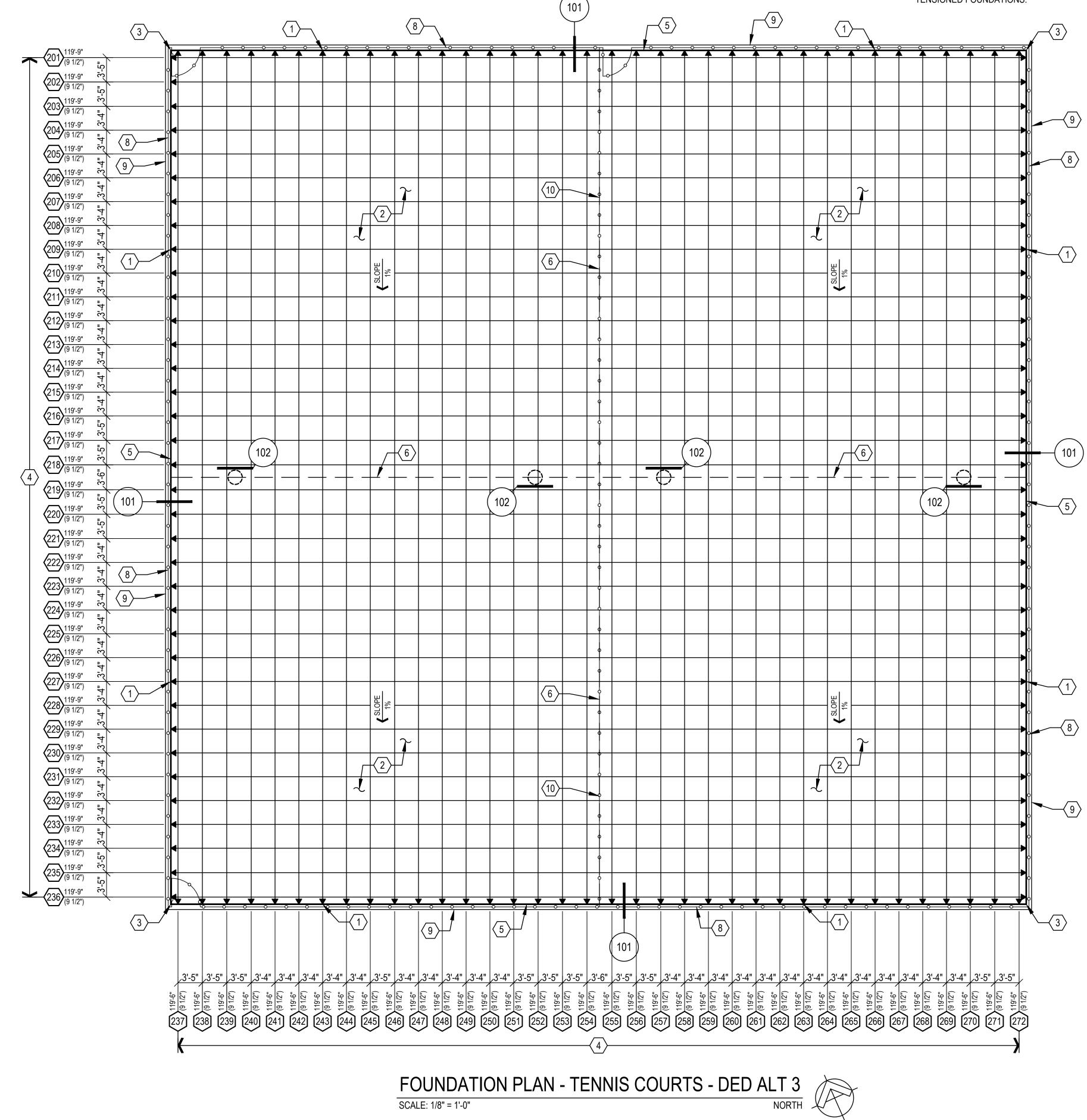
THE CONCRETE SLAB SHALL BE STAMPED OR HAVE A PERMANENT METAL TAG IDENTIFYING THE SLAB AS "POST TENSIONED".

	FOUNDATION PLAN NOTES	REVISIONS	DATE	DESCRIPTION
	√1 > → - INDICATES JACKING END ANCHORAGE OF			
	POST-TENSIONING TENDONS - TYPICAL.			
	TENDONS - TYPICAL. <u>LENGTH</u> (1) (ELONGATION) (1) - LENGTH INDICATES: TENDON LENGTH SHOWN FROM SLAB EDGE TO SLAB EDGE. CONTRACTOR MUST INCREASE LENGTH AS REQUIRED FOR INSTALLATION PURPOSES (TENSIONING, DRAPES FOR STEPS IN SLAB, BENDS FOR OPENING IN SLABS, ETC.). - (ELONGATION) INDICATES: EXPECTED ELONGATION.			
	5" CONCRETE SLAB WITH 1/2" DIA. NON-BONDED POST TENSION TENDONS AT 42" O.C. (U.N.O.) EACH WAY. PROVIDE 10-MIL VAPOR BARRIER BELOW SLAB.		ē	Suite 200 401-5954 skdi.com
	<ul> <li>PROVIDE TENDON LAYOUT (12" FROM EDGE OF SLAB) AROUND FULL</li> <li>PERIMETER OF POST TENSIONED SLAB PER TYPICAL DETAIL.</li> </ul>	DESIGN ENGINUITY PO Box 2758 Santa Fe, NM 87504 t 505.989.3557		an UKOSYSTEMS KUI 860 Tabor Street, Suite 200 Lakewood, CO 80401-5954 t 303.980.5327 www.hydrosystemskdi.com
	<ul> <li>CABLES WHICH EXCEED 100 FEET IN LENGTH SHALL BE TENSIONED FROM BOTH ENDS.</li> </ul>	DESIGN ENGINUIT) PO Box 2758 Santa Fe, NM 87504 t 505.989.3557		4 2025 1 2025 1 2025 1 2025 1 2025 1 2025 1 2025 20
	<ul> <li>9" WIDE BY 8" DEEP CONCRETE CURB AROUND PERIMETER OF POST TENSIONED SLAB, TYPICAL.</li> </ul>			≤ ☆ ₩ ≥
3	6 1 1/4" DEEP TOOLED CONTROL JOINTS SHALL BE LOCATED IN LINE WITH THE DIVIDER FENCES BETWEEN COURTS AND DIRECTLY BELOW THE NET (CONTINUOUS FULL WIDTH OF SLAB) TO MINIMIZE AND CONTROL SHRINKAGE CRACKING. AT OWNER'S AND CONTRACTOR'S OPTION, CONTROL JOINTS MAY BE OMITTED WITH THE UNDERSTANDING THAT THE CONCRETE SLAB WILL CRACK AT RANDOM LOCATIONS DUE TO SHRINKAGE. CAULK ALL JOINTS PRIOR TO APPLYING SURFACING MATERIAL.	office	ning urbanis te 24	e.com
8	7 REFER TO LANDSCAPE ARCHITECTURAL PLANS FOR FENCE POST FOUNDATIONS.		pepla FFICE street, S	and 87.905 1415 ssignoffice.
-{1}	8 CHAIN LINK FENCE AND GATE. SET IN CONCRETE CURB OR RETAINING WALL. CONFIRM LOCATIONS WITH LANDSCAPE ARCHITECT PRIOR TO SETTING POSTS.	des	~ <u>~</u> ¬ L	santa re, NMI 87.205 t 505.983.1415 www.do-designoffice
	9 CONCRETE CURB. TOP OF CURB FLUSH WITH ADJACENT SURFACE.	S		
(101)	$\langle 10 \rangle$ CONCRETE RETAINING WALL. REFER TO LANDSCAPE ARCHITECT'S PLANS AND DETAILS. $\langle 11 \rangle$ REFER TO DETAIL 107 ON SHEET S2.1 FOR FENCE POST IN POST	EMENTS		
$-\sqrt{8}$ $-\sqrt{1}$ $-\sqrt{9}$ $\overline{3}$	JACKING AND FIXED END ANCHORAGE LOCATIONS MAY BE SWITCHED, WHERE SITE WORKING CONDITIONS DO NOT ALLOW ADEQUATE SPACE FOR JACKING.	ROMERO PARK - SITE IMPROVI	ANTA FE COUNTY	2100 CAJA DEL ORO GRANT ROAD SANTA FE, NEW MEXICO 87507
	KEY PLAN N.T.S. NORTH	DRAWN BY CM	DATE	12.20.19
	WE + CONSTRUCTURAL CONSULTANTS 12/20/19 12/2	SHEET TITLE FOUN PICKLE	ER	I PLAN OURTS
	THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNTIL SEALED AND SIGNED BY ENGINEER OF RECORD. REUSE OR REPRODUCTION WITHOUT WRITTEN PERMISSION IS PROHIBITED.		<b>S1</b> .'	1



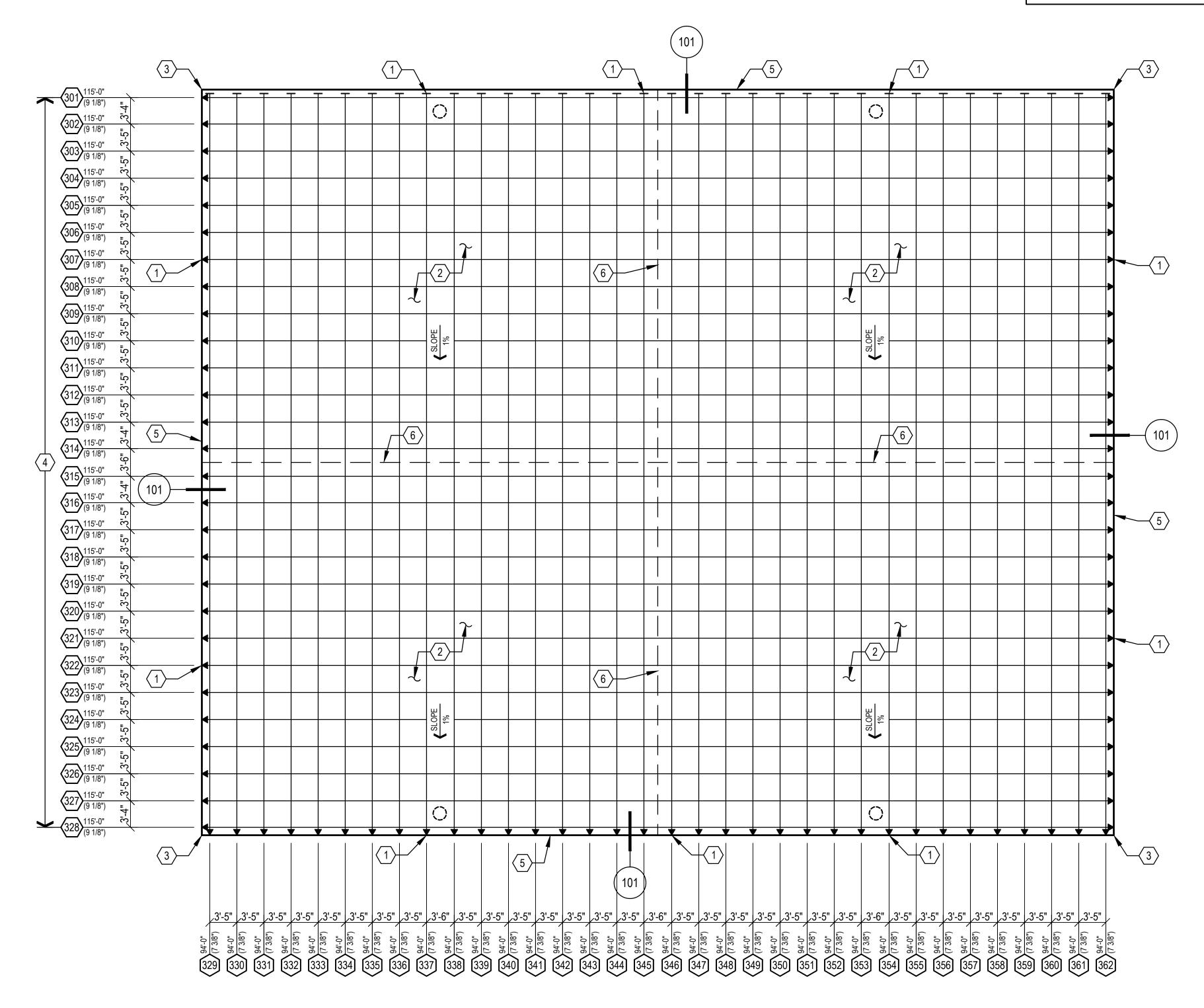
- 1. SEE SUPPLEMENTAL TECHNICAL SPECIFICATIONS FOR STRUCTURAL NOTES (MATERIALS, REQUIREMENTS, ETC.).
- 2. VERIFY ALL DIMENSIONS WITH LANDSCAPE ARCHITECT'S DRAWINGS PRIOR TO CONSTRUCTION. ALL DIMENSIONAL DISCREPANCIES SHALL BE COORDINATED WITH THE LANDSCAPE ARCHITECT.
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3		OUT (12" FROM EDG	E OF SLAB) AROUND FUL R TYPICAL DETAIL.	L	ENGINUITY 758 NM 87504 3667		STEMS H	- Street, Suite 200 I, CO 80401-5954 5327 osystemskdi.com
$\langle 4 \rangle$	CABLES WHICH EXCEE FROM BOTH ENDS.	D 100 FEET IN LENG	TH SHALL BE TENSIONED	)	ESIGN E O Box 2 anta Fe,		HYDROSYSTEMS KDI	860 Tabor Street, Suite 200 Lakewood, CO 80401-5954 t 303.980.5327 www.hydrosystemskdi.com
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$\langle 7 \rangle$	REFER TO LANDSCAPE FOUNDATIONS.	ARCHITECTURAL PI	LANS FOR FENCE POST		2 7		FICE street, Suite MM 87505	15 ignoffice.c
8			CRETE CURB. CONFIRM PRIOR TO SETTING POST	rs.		andscap	DESIGN OFFICE 1300 Luisa street Santa Fe, NM 87	t 505.983.1415 www.do-designoffice.com
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(10)	REFER TO DETAIL 107 ( TENSIONED FOUNDATI		FENCE POST IN POST		S			
	ADEQUATE SPACE FO	ITE WORKING CONE	DCATIONS MAY BE DITIONS DO NOT ALLOW		EMENTS			
- (10	THE CONC HAVE A PE	CRETE SLAB SHALL I ERMANENT METAL T AS "POST TENSION	AG IDENTIFYING		ITE IMPROV			NT ROAD 87507
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- 1. SEE SUPPLEMENTAL TECHNICAL SPECIFICATIONS FOR STRUCTURAL NOTES (MATERIALS, REQUIREMENTS, ETC.).
- 2. VERIFY ALL DIMENSIONS WITH LANDSCAPE ARCHITECT'S DRAWINGS PRIOR TO CONSTRUCTION. ALL DIMENSIONAL DISCREPANCIES SHALL BE COORDINATED WITH THE LANDSCAPE ARCHITECT.
- 3. TENDON LENGTH SHOWN ON PLAN IS FROM SLAB EDGE TO SLAB EDGE. CONTRACTOR MUST INCREASE LENGTH AS REQUIRED FOR INSTALLATION PURPOSES (TENSIONING, DRAPES FOR STEPS IN SLAB, BENDS FOR OPENING IN SLABS, ETC.).
- 4. REFER TO DETAIL 106 ON SHEET S2.1 FOR OPENINGS IN POST TENSIONED FOUNDATIONS.

FOUNDATION PLAN NOTES	REVISIONS	DATE	DESCRIPTION
√1 > → - INDICATES JACKING END ANCHORAGE OF			
POST-TENSIONING TENDONS - TYPICAL.			
TENDONS - TYPICAL. LENGTH (ELONGATION) 1 - LENGTH INDICATES: TENDON LENGTH SHOWN FROM SLAB EDGE TO SLAB EDGE. CONTRACTOR MUST INCREASE LENGTH AS REQUIRED FOR INSTALLATION PURPOSES (TENSIONING, DRAPES FOR STEPS IN SLAB, BENDS FOR OPENING IN SLABS, ETC.). - (ELONGATION) INDICATES: EXPECTED ELONGATION.			
5" CONCRETE SLAB WITH 1/2" DIA. NON-BONDED POST TENSION TENDONS AT 42" O.C. (U.N.O.) EACH WAY. PROVIDE 10-MIL VAPOR BARRIER BELOW SLAB.	≻ 4	Ę	Suite 200 401-5954 iskdi.com
3 PROVIDE TENDON LAYOUT (12" FROM EDGE OF SLAB) AROUND FULL PERIMETER OF POST TENSIONED SLAB PER TYPICAL DETAIL.	ENGINUITY 758 NM 87504 3557	STEMS	Street, Suit , CO 80401 5327 53ystemskd
4 CABLES WHICH EXCEED 100 FEET IN LENGTH SHALL BE TENSIONED FROM BOTH ENDS.	DESIGN ENGINUITY PO Box 2758 Santa Fe, NM 87504 t 505.989.3557	HYDROSYSTEMS KDI	860 Tabor Street, Suite 200 Lakewood, CO 80401-5954 t 303.980.5327 www.hydrosystemskdi.com
5 9" WIDE BY 8" DEEP CONCRETE CURB AROUND PERIMETER OF POST TENSIONED SLAB, TYPICAL.			
6 1 1/4" DEEP TOOLED CONTROL JOINTS SHALL BE LOCATED IN LINE WITH THE DIVIDER FENCES BETWEEN COURTS AND DIRECTLY BELOW THE NET (CONTINUOUS FULL WIDTH OF SLAB) TO MINIMIZE AND CONTROL SHRINKAGE CRACKING. AT OWNER'S AND CONTRACTOR'S OPTION, CONTROL JOINTS MAY BE OMITTED WITH THE UNDERSTANDING THAT THE CONCRETE SLAB WILL CRACK AT RANDOM LOCATIONS DUE TO SHRINKAGE. CAULK ALL JOINTS PRIOR TO APPLYING SURFACING MATERIAL.	n office	lanning urbanism Suite 24	t 505.983.1415 www.do-designoffice.com
\[         7 \]     REFER TO LANDSCAPE ARCHITECTURAL PLANS FOR FENCE POST         FOUNDATIONS.     \[         \]	siq	landscapepl DESIGN OFFICE 1300 Luisa street, Santa Fe, NM, 875	-designof
CHAIN LINK FENCE AND GATE. SET IN CONCRETE CURB. CONFIRM LOCATIONS WITH LANDSCAPE ARCHITECT PRIOR TO SETTING POSTS.	de	l a n d s DESIGN 1300 Lu Santa F	t 505.98 www.do
(9) CONCRETE CURB. TOP OF CURB FLUSH WITH ADJACENT SURFACE.	()		
(10) REFER TO DETAIL 107 ON SHEET S2.1 FOR FENCE POST IN POST TENSIONED FOUNDATION.	ΝTS		
NOTE: JACKING AND FIXED END ANCHORAGE LOCATIONS MAY BE SWITCHED, WHERE SITE WORKING CONDITIONS DO NOT ALLOW ADEQUATE SPACE FOR JACKING.	OVEMENT		
THE CONCRETE SLAB SHALL BE STAMPED OR HAVE A PERMANENT METAL TAG IDENTIFYING THE SLAB AS "POST TENSIONED".	PARK - SITE IMPROV	COUNTY	L ORO GRANT ROAD W MEXICO 87507
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REPRODUCTION WITHOUT WRITTEN PERMISSION			



FOUNDATION PLAN - BASKETBALL COURT SCALE: 1/8" = 1'-0"

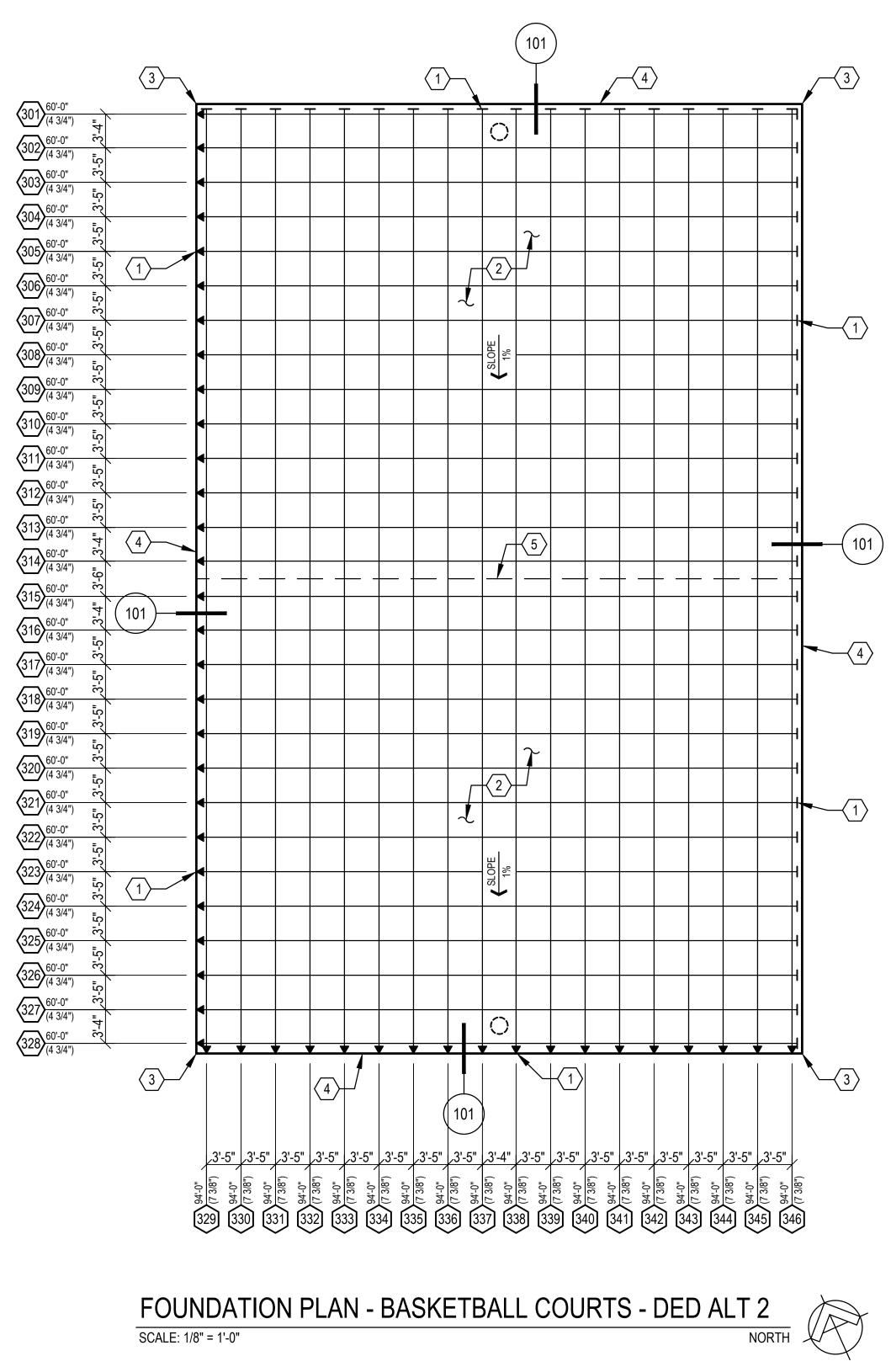
# GENERAL NOTES

- 1. SEE SUPPLEMENTAL TECHNICAL SPECIFICATIONS FOR STRUCTURAL NOTES (MATERIALS, REQUIREMENTS, ETC.).
- 2. VERIFY ALL DIMENSIONS WITH LANDSCAPE ARCHITECT'S DRAWINGS PRIOR TO CONSTRUCTION. ALL DIMENSIONAL DISCREPANCIES SHALL BE COORDINATED WITH THE LANDSCAPE ARCHITECT.
- 3. TENDON LENGTH SHOWN ON PLAN IS FROM SLAB EDGE TO SLAB EDGE. CONTRACTOR MUST INCREASE LENGTH AS REQUIRED FOR INSTALLATION PURPOSES (TENSIONING, DRAPES FOR STEPS IN SLAB, RENDS FOR OPENING IN SLADS (TEO)
- BENDS FOR OPENING IN SLABS, ETC.).4. REFER TO DETAIL 106 ON SHEET S2.1 FOR OPENINGS IN POST TENSIONED FOUNDATIONS.

THE CONCRETE SLAB SHALL BE STAMPED OR HAVE A PERMANENT METAL TAG IDENTIFYING THE SLAB AS "POST TENSIONED".



	REVISIONS	DATE	DECODIDITION
FOUNDATION PLAN NOTES	ISSUED	DATE	DESCRIPTION
(1) - INDICATES JACKING END ANCHORAGE OF POST-TENSIONING TENDONS - TYPICAL.			
I INDICATES FIXED END ANCHORAGE OF POST-TENSIONING TENDONS - TYPICAL.			
LENGTH (ELONGATION) (1) - LENGTH INDICATES: TENDON LENGTH SHOWN FROM SLAB EDGE TO SLAB EDGE. CONTRACTOR MUST INCREASE LENGTH AS REQUIRED FOR INSTALLATION PURPOSES (TENSIONING, DRAPES FOR STEPS IN SLAB, BENDS FOR OPENING IN SLABS, ETC.). - (ELONGATION) INDICATES: EXPECTED ELONGATION.			
2 5" CONCRETE SLAB WITH 1/2" DIA. NON-BONDED POST TENSION TENDONS AT 42" O.C. (U.N.O.) EACH WAY.	× .	Ę	di.com
3 PROVIDE TENDON LAYOUT (12" FROM EDGE OF SLAB) AROUND FULL PERIMETER OF POST TENSIONED SLAB PER TYPICAL DETAIL.	ENGINUITY 758 , NM 87504 .3557		Street, Suite 200 CO 80401-5954 327 systemskdi.com
CABLES WHICH EXCEED 100 FEET IN LENGTH SHALL BE TENSIONED FROM BOTH ENDS.	DESIGN ENGINUITY PO Box 2758 Santa Fe, NM 87504 t 505.989.3557		860 Tabor Street, Suite 200 Lakewood, CO 80401-5954 t 303.980.5327 www.hydrosystemskdi.com
5 9" WIDE BY 8" DEEP CONCRETE CURB AROUND PERIMETER OF POST TENSIONED SLAB, TYPICAL.	DE Se t 5	f	¥ 13 80 € 13 80
6 1 1/4" DEEP TOOLED CONTROL JOINTS SHALL BE LOCATED IN LINE WITH THE DIVIDER FENCES BETWEEN COURTS AND DIRECTLY BELOW THE NET (CONTINUOUS FULL WIDTH OF SLAB) TO MINIMIZE AND CONTROL SHRINKAGE CRACKING. AT OWNER'S AND CONTRACTOR'S OPTION, CONTROL JOINTS MAY BE OMITTED WITH THE UNDERSTANDING THAT THE CONCRETE SLAB WILL CRACK AT RANDOM LOCATIONS DUE TO SHRINKAGE. CAULK ALL JOINTS PRIOR TO APPLYING SURFACING MATERIAL.	n office	g urbanis	Eooo
NOTE: JACKING AND FIXED END ANCHORAGE LOCATIONS MAY BE SWITCHED, WHERE SITE WORKING CONDITIONS DO NOT ALLOW ADEQUATE SPACE FOR JACKING.	desig	landscape plan DESIGN OFFICE 1300 Luisa street, Suite Santa Ee, NM, 87505	t 505.983.1415 www.do-designoffice.com
	ROMERO PARK - SITE IMPROVEMENTS	SANTA FE COUNTY DATE	2100 CAJA DEL ORO GRANT ROAD SANTA FE, NEW MEXICO 87507
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- 1. SEE SUPPLEMENTAL TECHNICAL SPECIFICATIONS FOR STRUCTURAL NOTES (MATERIALS, REQUIREMENTS, ETC.).
- 2. VERIFY ALL DIMENSIONS WITH LANDSCAPE ARCHITECT'S DRAWINGS PRIOR TO CONSTRUCTION. ALL DIMENSIONAL DISCREPANCIES SHALL BE COORDINATED WITH THE LANDSCAPE ARCHITECT.
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FOUNDATION PLAN NOTES	REVISIONS	DATE	DESCRIPTION
$\langle 1 \rangle \rightarrow$ - INDICATES JACKING END ANCHORAGE OF			
POST-TENSIONING TENDONS - TYPICAL.			
TENDONS - TYPICAL.			
- LENGTH INDICATES: TENDON LENGTH (ELONGATION) (1) - LENGTH INDICATES: TENDON LENGTH SHOWN FROM SLAB EDGE TO SLAB EDGE. CONTRACTOR MUST INCREASE LENGTH AS REQUIRED FOR INSTALLATION PURPOSES (TENSIONING, DRAPES FOR STEPS IN SLAB, BENDS FOR OPENING IN SLABS, ETC.). - (ELONGATION) INDICATES: EXPECTED ELONGATION.			
2 5" CONCRETE SLAB WITH 1/2" DIA. NON-BONDED POST TENSION TENDONS AT 42" O.C. (U.N.O.) EACH WAY.	≻ 4	Ę	uite 200 11-5954 kdi.com
(3) PROVIDE TENDON LAYOUT (12" FROM EDGE OF SLAB) AROUND FULL PERIMETER OF POST TENSIONED SLAB PER TYPICAL DETAIL.	DESIGN ENGINUITY PO Box 2758 Santa Fe, NM 87504 t 505.989.3557	HYDROSYSTEMS KDI	860 Tabor Street, Suite 200 Lakewood, CO 80401-5954 t 303.980.5327 www.hydrosystemskdi.com
<ul> <li>9" WIDE BY 8" DEEP CONCRETE CURB AROUND PERIMETER OF POST TENSIONED SLAB, TYPICAL.</li> </ul>	DESIGN ENG PO Box 2758 Santa Fe, NM t 505.989.355	N N N N N N N N N N N N N N N N N N N	860 Tabor Stre Lakewood, CO t 303.980.5327 www.hydrosys
(5) 1 1/4" DEEP TOOLED CONTROL JOINTS SHALL BE LOCATED IN LINE WITH THE DIVIDER FENCES BETWEEN COURTS AND DIRECTLY BELOW THE NET (CONTINUOUS FULL WIDTH OF SLAB) TO MINIMIZE AND CONTROL SHRINKAGE CRACKING. AT OWNER'S AND CONTRACTOR'S OPTION, CONTROL JOINTS MAY BE OMITTED WITH THE UNDEDSTANDING THAT THE CONCRETE SLAD WITH CRACK AT DANDOM			- ~ – ~ >
UNDERSTANDING THAT THE CONCRETE SLAB WILL CRACK AT RANDOM LOCATIONS DUE TO SHRINKAGE. CAULK ALL JOINTS PRIOR TO APPLYING SURFACING MATERIAL.	ffice	u r b a n i s	
NOTE: JACKING AND FIXED END ANCHORAGE LOCATIONS MAY BE SWITCHED, WHERE SITE WORKING CONDITIONS DO NOT ALLOW ADEQUATE SPACE FOR JACKING.	sian o	a pe plannin OFFICE a street, Suite 24 NM 87505	t 505.983.1415 www.do-designoffice.com
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SIGNED BY ENGINEER OF RECORD. REUSE OR REPRODUCTION WITHOUT WRITTEN PERMISSION IS PROHIBITED.			-