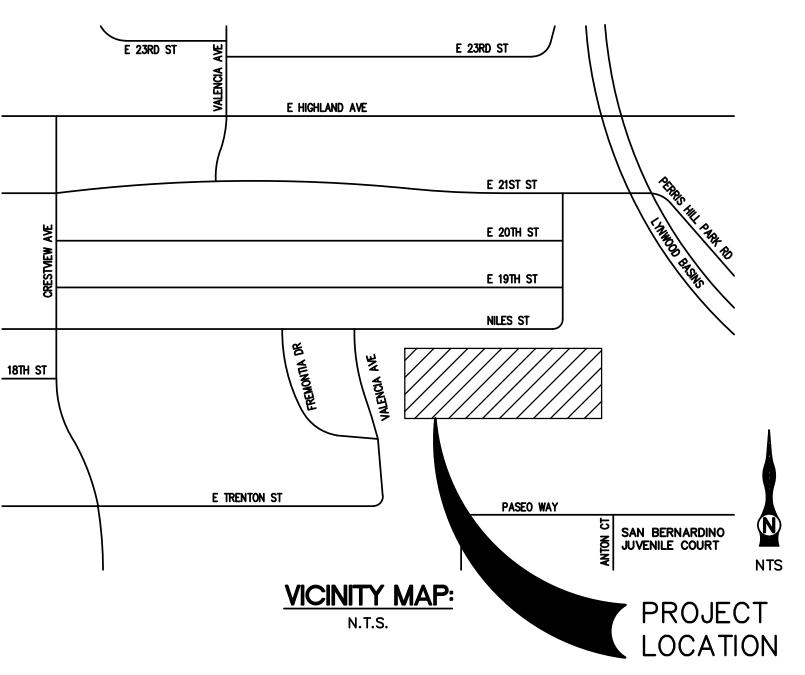
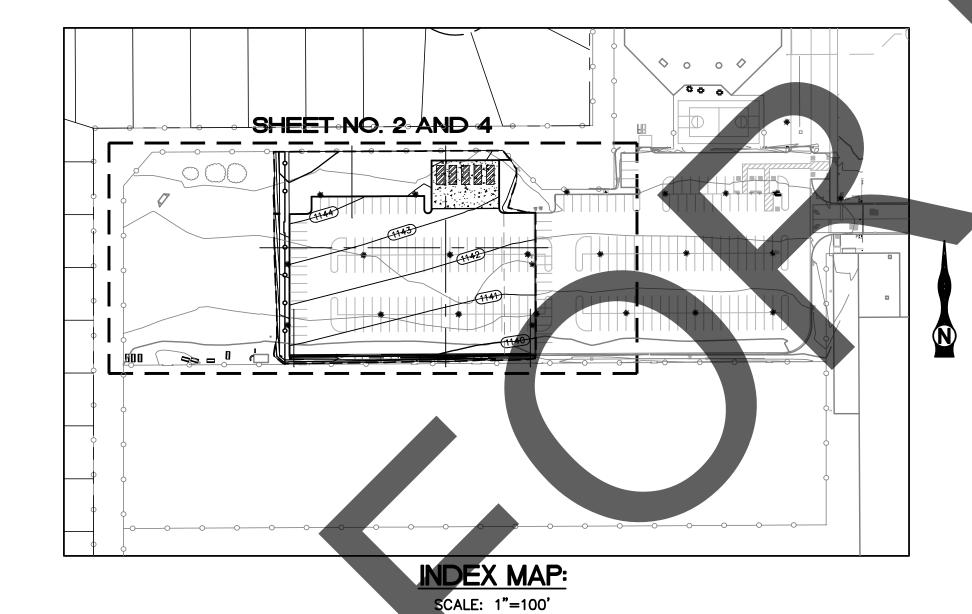
INDIVIDUALS WARNING: ALL INTERESTED IN BIDDING ON PROJECT MUST OBTAIN THE PLANS AND SPECIFICATIONS FROM THE DEPARTMENT MANAGING THE PROJECT OR AS OTHERWISE STATED IN THE ADVERTISEMENT FOR BIDS FOR THE PROJECT. DO NOT USE THE PLANS AND SPECIFICATIONS POSTED CLERK OF THE BOARD'S ON THE WFBSITF FOR BIDDING ON PROJECT.



SAN BERNARDINO COUNTY PUBLIC WORKS DEPARTMENT

CENTRAL VALLEY JUVENILE DETENTION CENTER SECURED PARKING LOT EXPANSION SITE IMPROVEMENT PROJECT 10.10.0967



INDEX SHEETS

SITE IMPROVEMENTS

- I. TITLE SHEET
- 2. DEMOLITION PLAN
- 3. HORIZONTAL CONTROL PLAN
- 4. GRADING PLAN
- 5. TYPICAL CROSS SECTIONS6. SIGNING & STRIPING

ELECTRICAL IMPROVEMENTS

- 1. TITLE SHEET
- 2. LIGHTING PLAN, PANEL SCHEDULE AND DETAIL
- 3. POWER PLAN
- 4. PHOTOMETRIC CALCULATION
- 5. TITLE 24 ENERGY COMPLIANCE

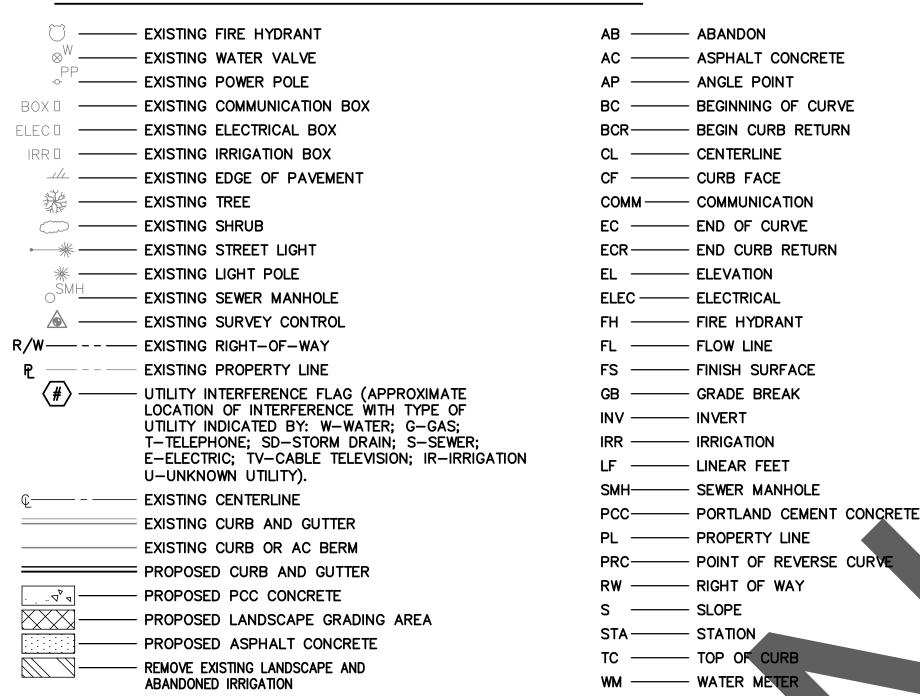
SITE IMPROVEMENT GENERAL NOTES:

- . ALL WORK SHALL BE DONE IN ACCORDANCE WITH THIS PLAN AND THE SAN BERNARDINO COUNTY STANDARDS AND SPECIFICATION.
- 2. BENCH MARK DATA: ELEVATION: 0000.00
- 3. STREET MARKERS PER SAN BERNARDINO COUNTY STANDARD NO. 303, 304A AND 303B SHALL BE CONSTRUCTED AT EACH INTERSECTION.
- 4. STREET MARKERS SHALL BE CONSTRUCTED AT EACH INTERSECTION IN ACCORDANCE WITH APPLICABLE SAN BERNARDINO COUNTY STANDARDS. ALL SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH COUNTY AND STATE SPECIFICATION.
- 5. A PERMIT WILL BE REQUIRED FROM THE COUNTY OF SAN BERNARDINO DEPARTMENT OF PUBLIC WORKS PRIOR TO ANY ENCROACHMENT OR CONSTRUCTION WITHIN THE COUNTY OF SAN BERNARDINO EASEMENT OR RIGHTS—OF—WAY.
- 6. LEAVE 8"X8" BLOCKOUTS IN SIDEWALKS FOR MAILBOXES, ETC. WHEN SIDEWALK IS PLACE ADJACENT TO CURB.
- 7. IF ASPHALT CONCRETE IS TO BE PLACED DIRECTLY ON SUBGRADE OF ROAD OR AND P.C.C. SHALL BE UNIFORMLY APPLIED AT THE MANUFACTURER'S RECOMMENDED RATE FOR THE FULL PAVEMENT WIDTH PRIOR TO PAVING.
- 8. AT COMPLETION OF ROUGH GRADING, A MATERIALS REPORT AND THE PROPOSED STRUCTURAL SECTIONS SHALL BE SUBMITTED BY THE ENGINEER TO THE SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS, TRANSPORTATION OPERATIONS DIVISION, PERMIT SECTION, FOR REVIEW AND EVALUATION BY THE PAVEMENT OF THE SAMPLING, A TABULATION OF SIEVE ANALYSIS AND SAND EQUIVALENT TEST RESULTS, A STATEMENT OF RECOMMENDED STRUCTURAL SECTION AND TEST DATA SHEETS FOR ALL R-VALUE TESTS PERFORMED, INCLUDING EXPANSION PRESSURE READINGS. APPROVAL WILL BE GIVEN WHEN ALL STRUCTURAL SECTION REQUIREMENTS HAVE BEEN MET.
- 9. COMPACTION TESTS OF EMBANKMENT CONSTRUCTION, TRENCH BACKFILL, COMPACTING ORIGINAL GROUND, ALL SUBGRADES SHALL BE PERFORMED AT NO COSTS TO SAN BERNARDINO COUNTY. A WRITTEN REPORT WITH THESE COMPACTION TESTS SHALL BE SUBMITTED TO THE SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS, TRANSPORTATION OPERATIONS DIVISION, PERMIT SECTION FOR APPROVAL PRIOR TO PLACEMENT OF BASE MATERIALS AND/OR SURFACING.
- 10. AT THE COMPLETION OF PAVING, A MATERIALS REPORT SHALL BE SUBMITTED TO THE SAN BERNARDINO COUNTY PUBLIC WORKS DEPARTMENT, TRANSPORTATION OPERATIONS DIVISION, PERMIT SECTION, LISTING ALL TESTS OR DETERMINATIONS COMPLETED TO VERIFY: A) R-VALUE, SIEVE ANALYSIS AND SAND EQUIVALENT OF AGGREGATE BASES. B) STABILITY, OIL CONTENT AND SIEVE ANALYSIS OF ASPHALT SUPPACING
- 11. THE WATER MAINS AND THE GAS MAINS SHALL BE PLACED UNDERGROUND PRIOR TO PAVING CONSTRUCTION. THE SERVICE LATERALS FOR THE WATER SYSTEM SHALL BE INSTALLED AT A LATER DATE. WHERE IT IS NECESSARY TO CROSS PAVEMENT, SERVICE LATERALS SHALL BE BORED INTO PLACE.
- 12. FILL AND GRADE TO DRAIN ALL LOW AREAS ABUTTING TRACT ROADS TO A MINIMUM OF 1% GRADES.
- 13. ALL LATERAL CUTS INTO COUNTY MAINTAINED ROADWAYS SHALL BE TESTED TO VERIFY DENSIFICATION TO 90% RELATIVE COMPACTION (R.C.) AT VARYING DEPTHS TO WITHIN 0.5' OF GRADING PLANE. THE TOP 0.5' SHALL BE DENSIFIED TO 95%.
- 14. ALL LONGITUDINAL CUTS SHALL BE TESTED IN ACCORDANCE WITH THE SPECIFIED LIMITS AND FREQUENCY AS OUTLINED IN SECTION 6 OF THE SAN BERNARDINO COUNTY STANDARDS AND SPECIFICATIONS.
- 15. IMMEDIATELY FOLLOWING REMOVAL OF EXISTING PAVEMENT OR DIKE OR CURB AND/OR GUTTER, THE CONTRACTOR SHALL DILIGENTLY PURSUE THIS PORTION OF WORK UNTIL COMPLETION
- 16. DEPARTMENT OF PUBLIC WORKS APPROVAL DOES NOT INCLUDE WATER SEWER SYSTEM OR ESTIMATE OF QUANTITIES.
- 17. A PERMIT SHALL BE OBTAINED FROM THE SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS PRIOR TO ANY CONSTRUCTION ON THIS PROJECT, THAT FALLS WITHIN SAN BERNARDINO COUNTY, ROAD RIGHT-OF-WAY.
- 18. EXPANSIVE SOILS: IN EXPANSIVE SOIL AREAS, THE SUBGRADE UNDER CURBS, GUTTERS, SIDEWALK AND DRIVEWAY APPROACHES SHALL BE SCARIFIED TO THE DEPTH OF AT LEAST EIGHT (8) INCHES AND MOISTURE SHALL BE APPLIED TO MAINTAIN FREE WATER ON THE SURFACE FOR AT LEAST 24 HOURS PRIOR TO PLACING CONCRETE AND THE SUBGRADE SHALL THEN BE PREPARED WITHOUT COMPACTION EFFORT.
- 19. CURB AND GUTTER, CROSS GUTTER AND SPANDRELS SHALL BE SO CONSTRUCTED THAT A MINIMUM OF PONDING OCCURS; SECTIONS HAVING GRADIENTS OF 0.5% OR FLATTER SHALL BE WATER TESTED IN THE PRESENCE OF THE INSPECTOR IMMEDIATELY

AND REPLACED TO REDUCE PONDING TO THE MAXIMUM SPECIFIED.

- 20. IF DURING CONSTRUCTION, GROUND WATER IS ENCOUNTERED, A SYSTEM APPROVED TO DEWATER SAID AREA AT THE DIRECTION OF THE SOILS ENGINEER.
- 21. THIS PRIVATE ROAD SHALL NOT BE ENTERED INTO THE COUNTY MAINTAINED ROAD
- 22. THE ENGINEER SHALL INSPECT AND CERTIFY THAT ALL PRIVATE ROAD AND DRAINAGE IMPROVEMENTS HAVE BEEN BUILT IN ACCORDANCE WITH THE APPROVED
- 23. ALL 0.40% OR LESS CURB GRADE LINES SHALL BE STAKED AT 25' INTERVALS AND FORMS CERTIFIED BY THE ENGINEER BEFORE POURING CONCRETE.
- 24. EXISTING COUNTY ROADS THAT WILL REQUIRE RECONSTRUCTION SHALL REMAIN OPEN FOR TRAFFIC AT ALL TIMES WITH ADEQUATE DETOURS DURING ACTUAL CONSTRUCTION.
- 25. THE PRIVATE ENGINEER IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISE THE PLAN FOR APPROVAL BY THE COUNTY OF SAN BERNARDING.
- 26. SHOULD ANY EXISTING STOP SIGN BE LOCATED ON A DEVELOPED CORNER OF AN INTERSECTION, IT MUST BE MAINTAINED IN PLACE NEXT TO THE EXISTING PAVEMENT UNTIL SUCH TIME AS THE WIDENED ROADWAY IS OPEN FOR TRAFFIC. AT THAT TIME, IT WILL BE RELOCATED THREE (3) FEET BEHIND THE NEW CURB IN THE VICINITY OF THE BEGINNING OF THE CURB RETURN OR AS OTHERWISE DIRECTED BY THE ENGINEER.

LEGEND OF SYMBOLS AND ABBREVIATIONS:



PRIVATE ENGINEER'S NOTE TO CONTRACTOR:

THE EXISTANCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN ON THESE DRAWINGS. THE CONTRACTOR FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN ON THESE DRAWINGS.

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE COUNTY OF SAN BERNARDINO, THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE FUGINEER.

UNAUTHORIZED CHANGES AND USES:

THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR OR LIABLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

WARNING!!!!

THE LOCATION AND ELEVATION OF EXISTING PIPELINES SHOWN ON THESE PLANS ARE APPROPRIATE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATION AND ELEVATION OF THE PIPELINES PRIOR TO ANY GRADING OR CONSTRUCTION NEAR EXISTING PIPELINES.

NOTE:

UNDERGROUND SERVICE ALERT 48 HOURS PRIOR TO EXCAVATION TELEPHONE NO.: 1-800-422-4133

Know what's below. Call before you dig.

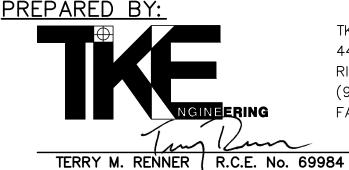
BENCHMARK:

BRASS DISK STAMPED B4-3 RESET MONUMENT IN SAN BERNARDINO CITY AT THE INTERSECTION OF WATERMAN AVENUE & GILBERT STREET

B.M. No. B4-3 R5 ELEVEATION= 1123.21'

BASIS OF BEARING:

© OF 16TH STREET BEARING N89°49'00"E AS SHOWN ON TRACT MAP No. 3660 ON FILE IN PARCEL MAP BOOK 47 PAGES 98-102, RECORDS OF SAN BERNARDINO COUNTY.



TKE ENGINEERING, INC. 4446 CENTRAL AVENUE RIVERSIDE, CA 92506 (951) 680-0440 FAX (951) 680-0490 No.69984
Exp.9-30-22

P. C. IVIL

OF CALLED

							_
	FIE	LD BOOK REF.				AN BE ARTME	
						AKIME	
					DESIGNED BY	DRAWN BY	Γ
STER NEED					TMR	JH	l
. <i> ~ </i>							
					RECOMM	ENDED/APPRO	יכ
<i>\$</i>							
							_
	MARK	REVISIONS	APPR	DATE	LAND DEVELO	PMENT ENGINEER	<

BERNARDINO COUNTY
MENT OF PUBLIC WORKS

BY CHECKED BY OP APPROVED BY:
OP ASST. DIRECTOR OF PUBLIC WORKS DATE

DIRECTOR OF PUBLIC WORKS DATE

SITE IMPROVEMENT PLANS

CENTRAL VALLEY JUVENILE DETENTION CENTER SECURED PARKING LOT EXPANSION

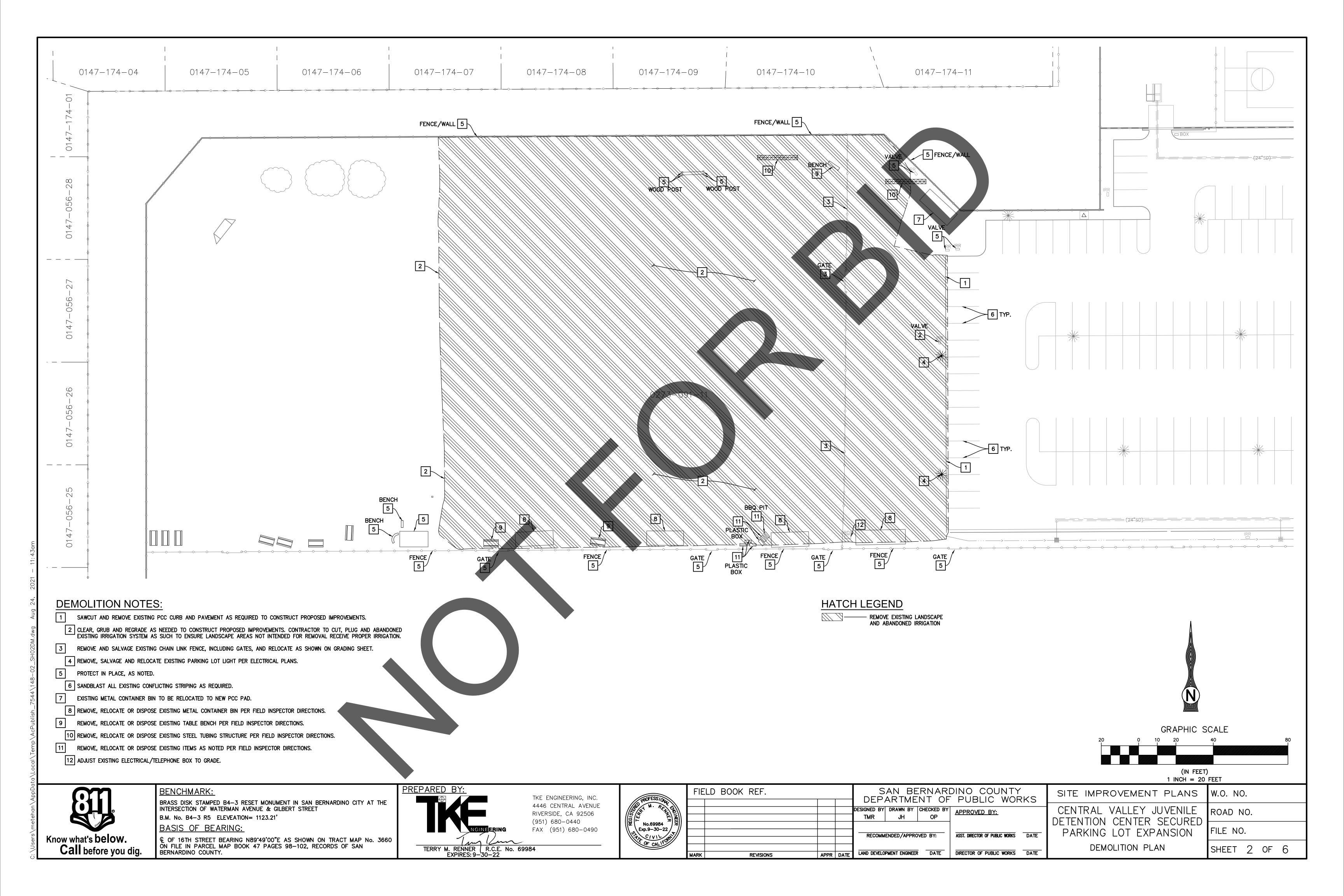
TITLE SHEET

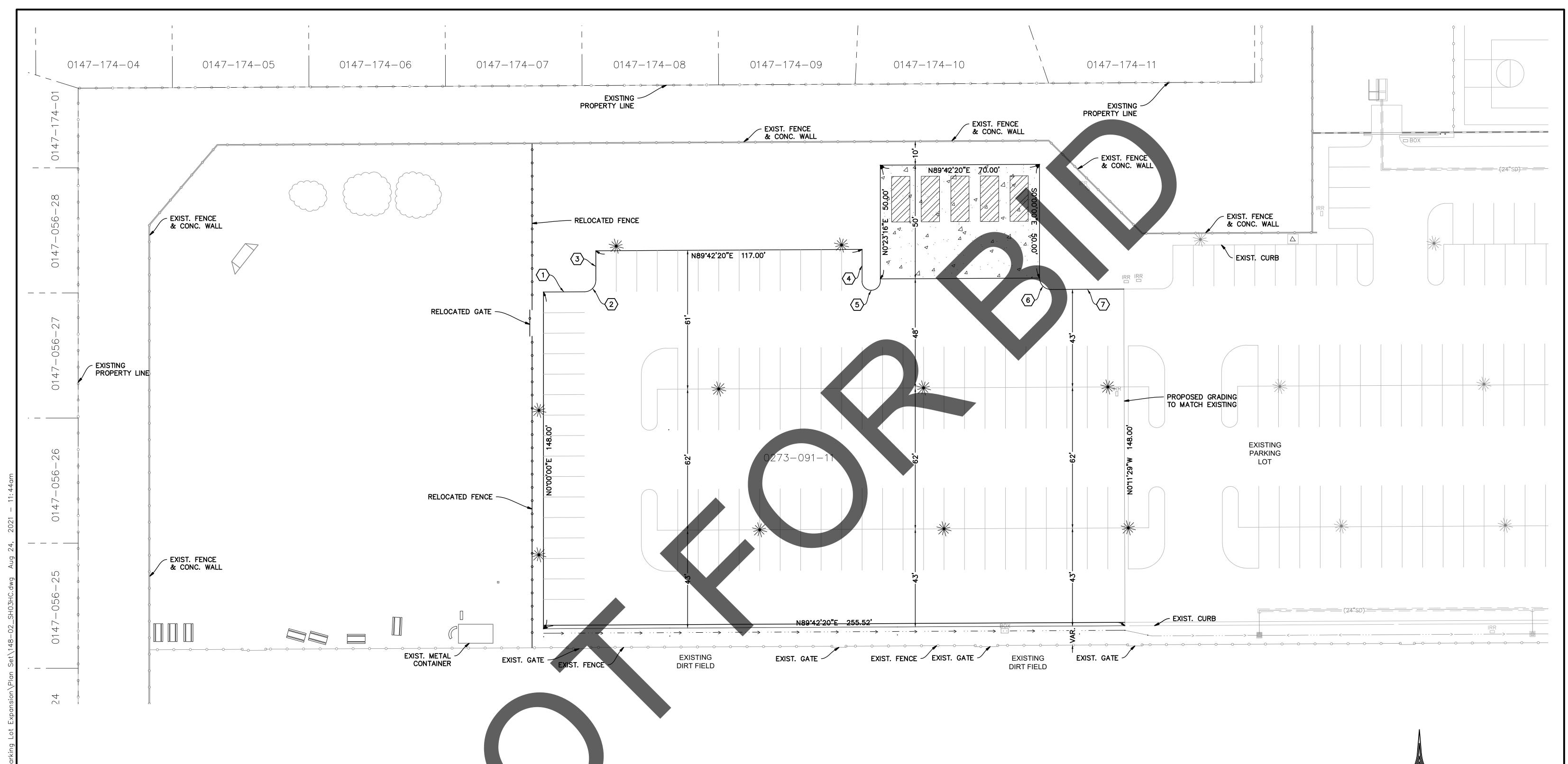
W.O. NO.

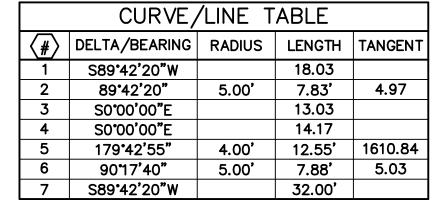
ROAD NO.

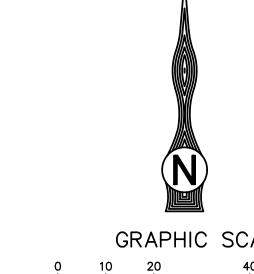
FILE NO.

SHEET 1 OF 6









GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)



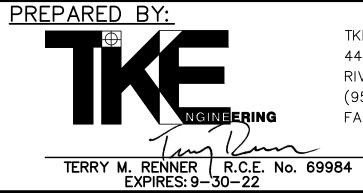
BENCHMARK:

BRASS DISK STAMPED B4-3 RESET MONUMENT IN SAN BERNARDINO CITY AT THE INTERSECTION OF WATERMAN AVENUE & GILBERT STREET

B.M. No. B4-3 R5 ELEVEATION= 1123.21'

BASIS OF BEARING:

€ OF 16TH STREET BEARING N89°49'00"E AS SHOWN ON TRACT MAP No. 3660 ON FILE IN PARCEL MAP BOOK 47 PAGES 98-102, RECORDS OF SAN BERNARDINO COUNTY.



TKE ENGINEERING, INC. 4446 CENTRAL AVENUE RIVERSIDE, CA 92506 (951) 680-0440 FAX (951) 680-0490

No.69984 Exp.9-30-22 C/VIL OF CALIFORN

JON STATE OF THE PARTY OF THE P	FIELD	BOOK REF.						DINO COUNTY PUBLIC WORKS	S
ON CHENER OCHNER B4					DESIGNED BY TMR		CHECKED BY		C
34 50 50 50 50 50 50 50 5					RECOMM	ENDED/APPRO	OVED BY:	ASST. DIRECTOR OF PUBLIC WORKS DATE	
IFU	MARK	REVISIONS	APPR	DATE	LAND DEVELO	PMENT ENGINEER	R DATE	DIRECTOR OF PUBLIC WORKS DATE	

SITE IMPROVEMENT PLANS

CENTRAL VALLEY JUVENILE
DETENTION CENTER SECURED
PARKING LOT EXPANSION
HORIZONTAL CONTROL PLAN

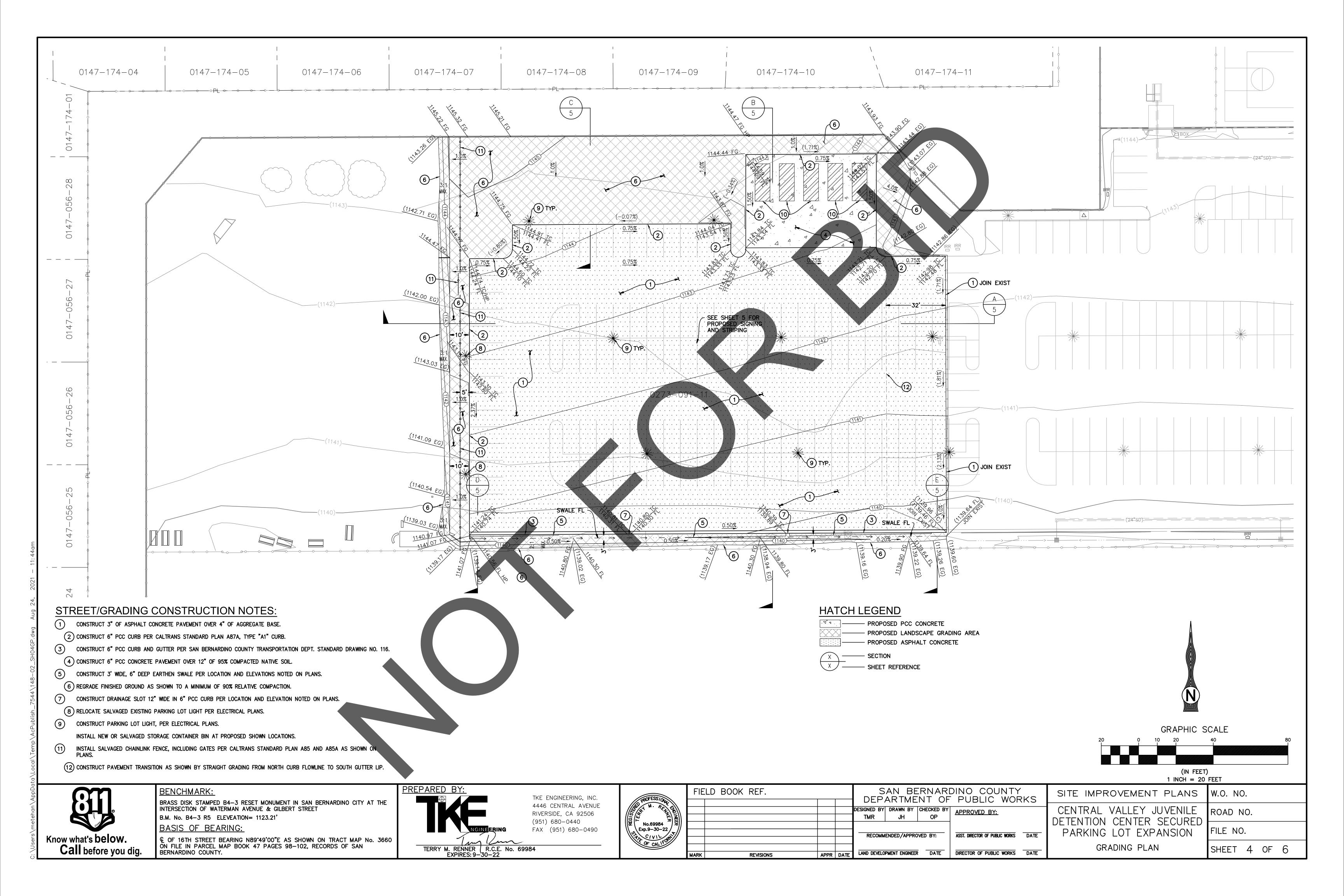
1 INCH = 20 FEET

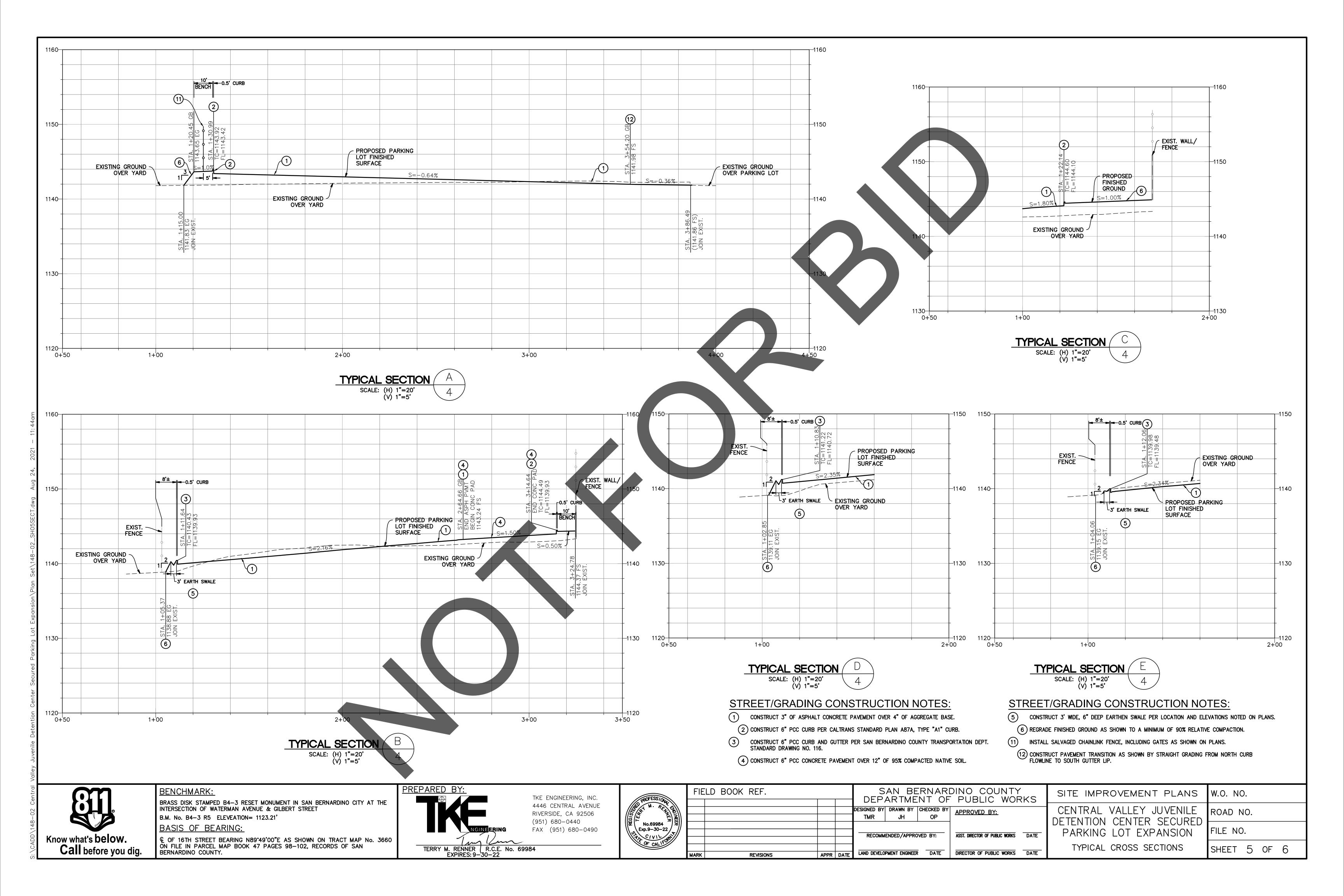
PLANS W.O. NO.

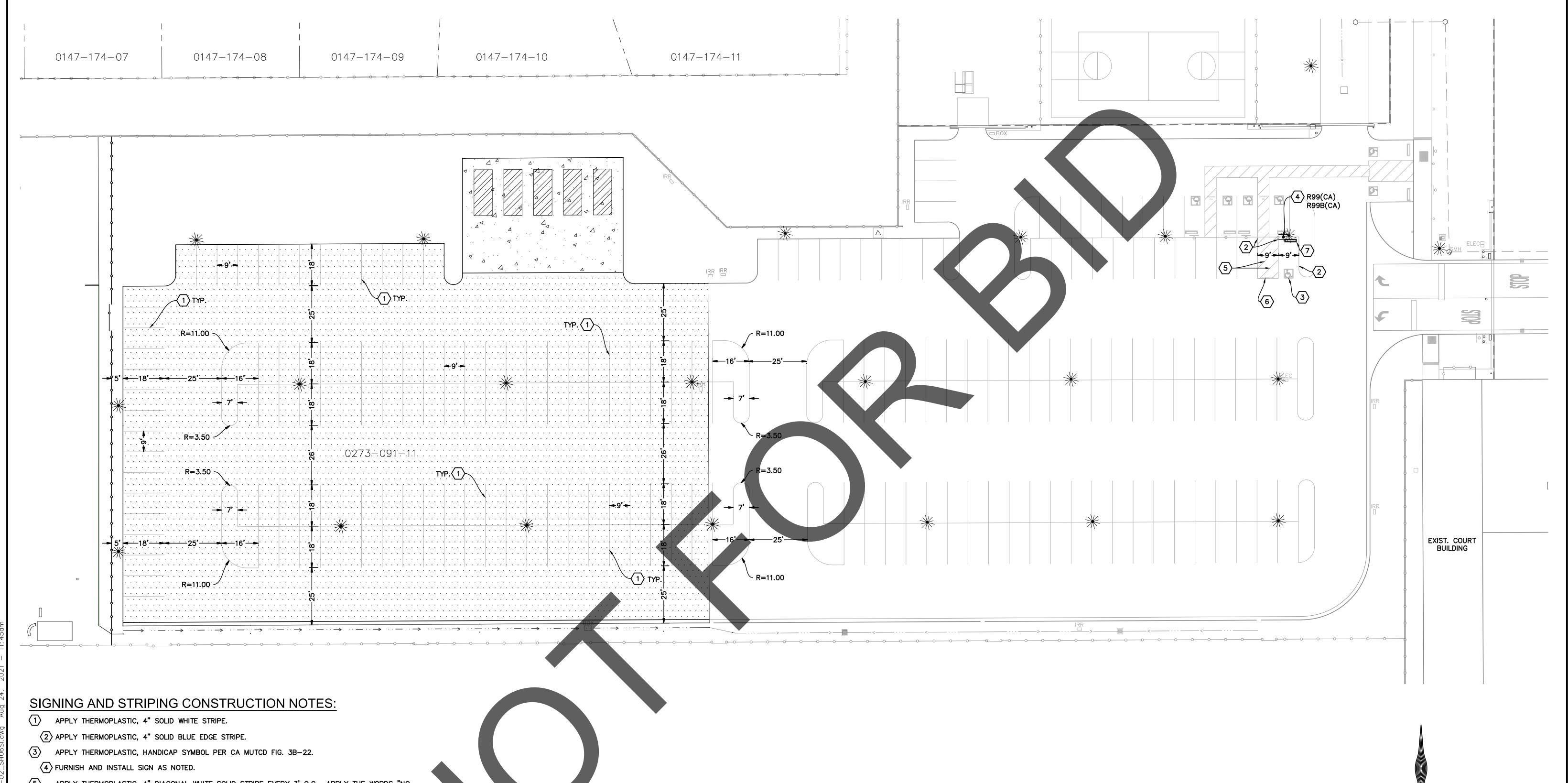
VENILE ROAD NO.

ECURED FILE NO.

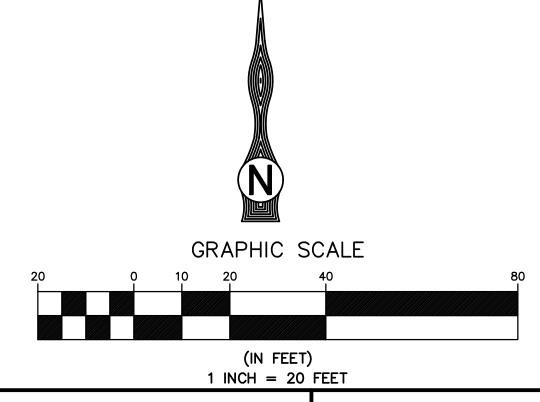
PLAN SHEET 3 OF 6







- APPLY THERMOPLASTIC, 4" DIAGONAL WHITE SOLID STRIPE EVERY 3' O.C. APPLY THE WORDS "NO PARKING" SHALL BE PAINTED ON THE GROUND WITH IN EACH 8'(2438MM) LOADING AND UNLOADING ACCESS AISLE. THIS NOTE SHALL BE PAINTED IN WHITE LETTERS NO LESS THAN 12"(305MM) HIGH AND LOCATED SO THAT IT IS VISIBLE TO TRAFFIC ENFORCEMENT OFFICIALS.
- 6 CONSTRUCT PCC CARSTOP.





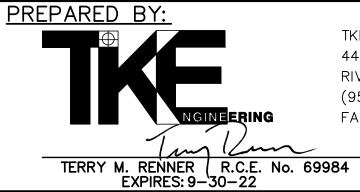
BENCHMARK:

BRASS DISK STAMPED B4-3 RESET MONUMENT IN SAN BERNARDINO CITY AT THE INTERSECTION OF WATERMAN AVENUE & GILBERT STREET

B.M. No. B4-3 R5 ELEVEATION= 1123.21'

BASIS OF BEARING:

€ OF 16TH STREET BEARING N89°49'00"E AS SHOWN ON TRACT MAP No. 3660 ON FILE IN PARCEL MAP BOOK 47 PAGES 98-102, RECORDS OF SAN BERNARDINO COUNTY.



TKE ENGINEERING, INC. 4446 CENTRAL AVENUE RIVERSIDE, CA 92506 (951) 680-0440 FAX (951) 680-0490

PIE OF CALIFORN

	FIEI	_D BOOK REF.					DINO COUNTY PUBLIC WOR		SI
ENGINEER NER					DESIGNED BY DRAWN BY TMR JH	CHECKED BY OP		(1/3	CE
2 \\ \frac{\partial}{\partial}					RECOMMENDED/APPR	OVED BY:	ASST. DIRECTOR OF PUBLIC WORKS	DATE	DE F
	MARK	REVISIONS	APPR	DATE	LAND DEVELOPMENT ENGINEE	R DATE	DIRECTOR OF PUBLIC WORKS	DATE	

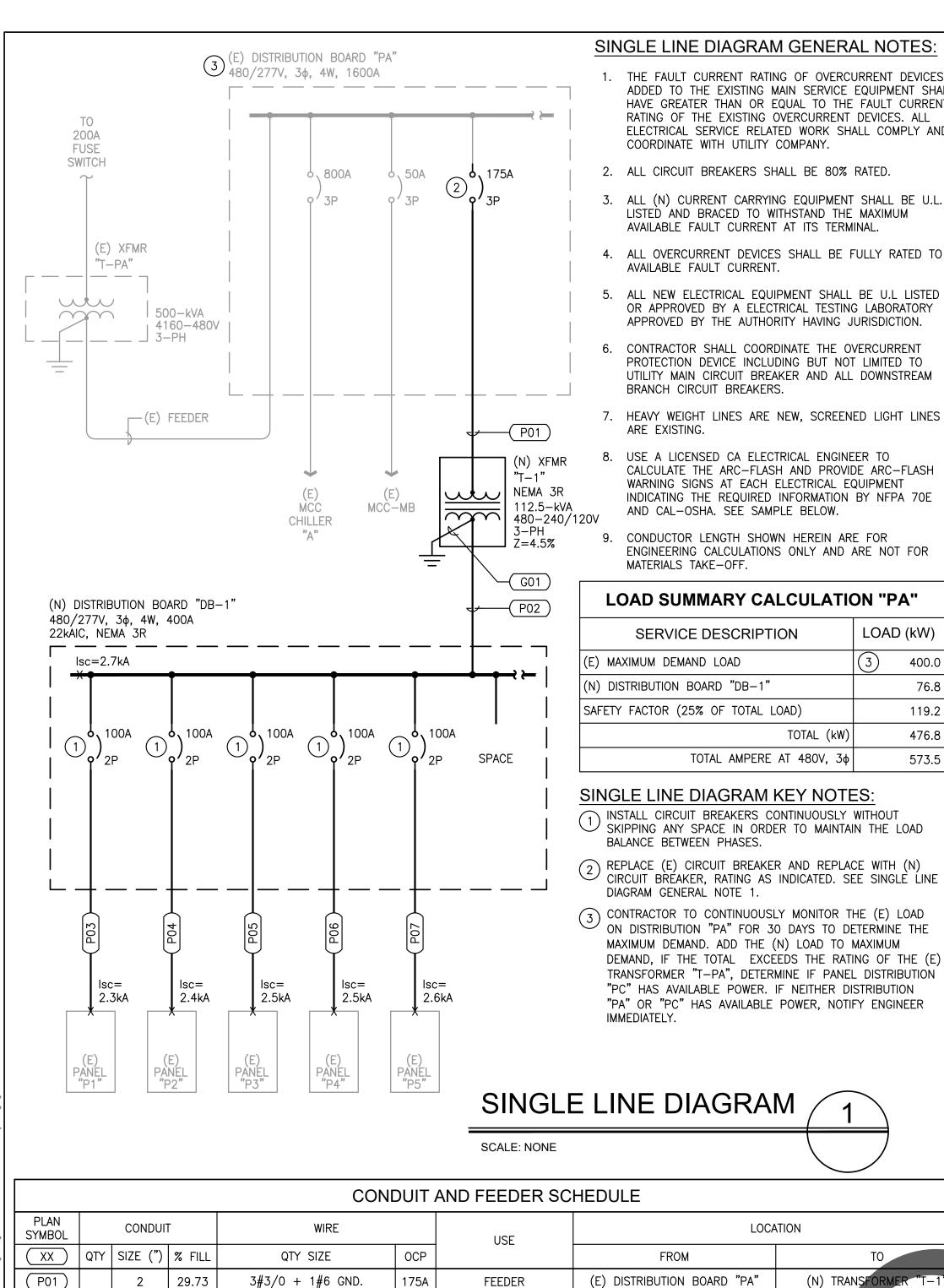
CENTRAL VALLEY JUVENILE FETENTION CENTER SECURED PARKING LOT EXPANSION SIGINING AND STRIPING

= 20 FEET
IS W.O. NO.

E ROAD NO.

ED FILE NO.

SHEET 6 OF 6



SINGLE LINE DIAGRAM GENERAL NOTES:

- 1. THE FAULT CURRENT RATING OF OVERCURRENT DEVICES ADDED TO THE EXISTING MAIN SERVICE EQUIPMENT SHALL HAVE GREATER THAN OR FQUAL TO THE FAULT CURRENT RATING OF THE EXISTING OVERCURRENT DEVICES. ALL ELECTRICAL SERVICE RELATED WORK SHALL COMPLY AND COORDINATE WITH UTILITY COMPANY.
- 2. ALL CIRCUIT BREAKERS SHALL BE 80% RATED.
- 3. ALL (N) CURRENT CARRYING EQUIPMENT SHALL BE U.L. LISTED AND BRACED TO WITHSTAND THE MAXIMUM AVAILABLE FAULT CURRENT AT ITS TERMINAL.
- 4. ALL OVERCURRENT DEVICES SHALL BE FULLY RATED TO AVAILABLE FAULT CURRENT.
- 5. ALL NEW ELECTRICAL EQUIPMENT SHALL BE U.L LISTED OR APPROVED BY A ELECTRICAL TESTING LABORATORY APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- CONTRACTOR SHALL COORDINATE THE OVERCURRENT PROTECTION DEVICE INCLUDING BUT NOT LIMITED TO UTILITY MAIN CIRCUIT BREAKER AND ALL DOWNSTREAM BRANCH CIRCUIT BREAKERS.
- ARE EXISTING. USE A LICENSED CA ELECTRICAL ENGINEER TO CALCULATE THE ARC-FLASH AND PROVIDE ARC-FLASH

WARNING SIGNS AT EACH ELECTRICAL EQUIPMENT

INDICATING THE REQUIRED INFORMATION BY NFPA 70E

CONDUCTOR LENGTH SHOWN HEREIN ARE FOR ENGINEERING CALCULATIONS ONLY AND ARE NOT FOR MATERIALS TAKE-OFF.

AND CAL-OSHA. SEE SAMPLE BELOW.

LOAD SUMMARY CALCULATION "PA"

SERVICE DESCRIPTION	LOAD (kW)
(E) MAXIMUM DEMAND LOAD	3 400.0
(N) DISTRIBUTION BOARD "DB-1"	76.8
SAFETY FACTOR (25% OF TOTAL LOAD)	119.2
TOTAL (kW)	476.8
TOTAL AMPERE AT 480V, 3¢	573.5

SINGLE LINE DIAGRAM KEY NOTES:

- INSTALL CIRCUIT BREAKERS CONTINUOUSLY WITHOUT SKIPPING ANY SPACE IN ORDER TO MAINTAIN THE LOAD BALANCE BETWEEN PHASES.
- REPLACE (E) CIRCUIT BREAKER AND REPLACE WITH (N) CIRCUIT BRÉAKER, RATING AS INDICATED. SEE SINGLE LINE DIAGRAM GENERAL NOTE 1.
- CONTRACTOR TO CONTINUOUSLY MONITOR THE (E) LOAD ON DISTRIBUTION "PA" FOR 30 DAYS TO DETERMINE THE MAXIMUM DEMAND. ADD THE (N) LOAD TO MAXIMUM DEMAND, IF THE TOTAL EXCEEDS THE RATING OF THE (E) TRANSFORMER "T-PA", DETERMINE IF PANEL DISTRIBUTION "PC" HAS AVAILABLE POWER. IF NEITHER DISTRIBUTION "PA" OR "PC" HAS AVAILABLE POWER, NOTIFY ENGINEER IMMEDIATELY.

LOCATION

(N) TRANS

BOARD "DB-

ANEL "P1"

ANEL "P2"

PANEL

NWOH

"P3"

(N) DISTRIB

FROM

(N) TRANSFORMER "T−1"

(N) DISTRIBUTION BOARD "DB-1

(N) DISTRIBUTION BOARD "DB-1"

(N) DISTRIBUTION BOARD "DB-1

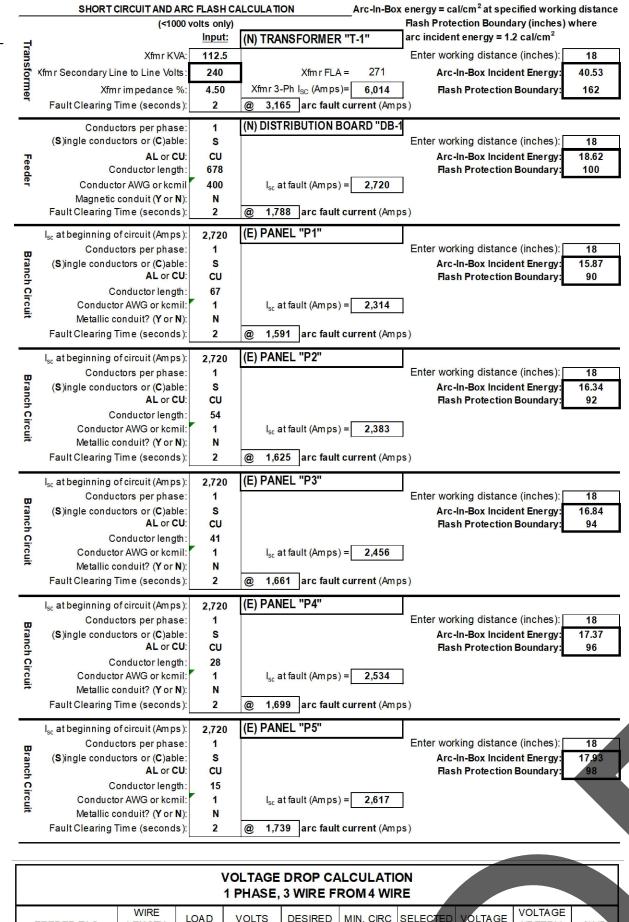
(N) DISTRIBUTION BOARD "DB-1

(N) DISTRIBUTION BOARD "DB-1

%VD

AT TERM.

467.39 2.63%



VOLTAGE DROP CALCULATION 1 PHASE, 3 WIRE FROM 4 WIRE											
FEEDER TAG	WIRE LENGTH (FT)	LOAD (A)	VOLTS (V)	DESIRED % DROP	MIN. CIRC MILS	SELECTED WIRE	VOLTAGE DROP (V)	VOLTAGE AT TERM. (V)	%VD		
P03	67	80	240	3%	19207	83690	1.65	238.35	0.69%		
P04	54	80	240	3%	15480	83690	1.33	238.67	0.55%		
P05	41	80	240	3%	11753	83690	1.01	238.99	0.42%		
P06	28	80	240	3%	8027	83690	0.69	239.31	0.29%		
P07	15	80	240	3%	4300	83690	0.37	239.63	0.15%		

ELECTRICAL DRAWING LIST

- SINGLE LINE DIAGRAM, CONDUIT AND FEEDER SCHEDULE, VOLTAGE DROP CALCULATION, SHORT-CIRCUIT AND ARC FLASH CALCULATIONS, ELECTRICAL GENERAL NOTES, SYMBOLS, ETC
- PARKING LOT LIGHTING PLAN, PANEL SCHEDULE AND DETAIL POWER PLAN
- PHOTOMETRIC CALCULATION
- TITLE 24 ENERGY COMPLIANCE

STANDARD SYMBOL LIST

SYMBOL	DESCRIPTION
= □	OUTDOOR AREA POLE FIXTURE
	BRANCH CIRCUIT PANELBOARDS, SURFACE AND RECESS MOUNTED
	CONDUIT RUN CONCEALED UNDERGROUND, 3/4" PVC-2#12 + 1#12 GND.

REFERENCE SYMBOLS

SYMBOL	DESCRIPTION
12	SHEET NOTE REFERENCE
125.4	BRANCH CIRCUIT OR FEEDER NOMINAL AMPACITY & TYPE; REFER TO BRANCH CIRCUIT AND FEEDER SCHEDULES FOR WIRE AND CONDUIT SIZES & QTY.
T4.1	REFER TO DETAIL NO. ON DRAWING INDICATED NOT ALL DETAIL REFERENCES ARE SHOWN. ALL DETAILS APPLY TO ALL APPLICABLE SITUATIONS, UON.
K123	KITCHEN EQUIPMENT REFERENCE, REFER TO KITCHEN EQUIPMENT SCHEDULE MECHANICAL EQUIPMENT IDENTIFICATION TAG

BRANCH CIRCUIT WIRING LEGEND

EQUIPMENT BY OTHERS IDENTIFICATION TAG

	- 12-2	NM-B		- 6 11	 6-2	NM-B	*
-111	- 12-3	NM-B		6	 6-3	NM-B	*
Ш	- 12-4	NM-B		6 ##	 6-4	NM-B	*
10	- 10-2	NM-B					
10	10-3	NM-B					
10	- 10-4	NM-B					
8 _H	· 8–2	NM-B	*				
8 <mark>''</mark> 	· 8–3	NM-B					
8	0-0	INIVI D					

FOR CONDUCTORS GREATER THAN AWG #10 STRANDED CONDUCTORS ARE TO BE USED.

NOTE: SYMBOL INCLUDES EQUIPMENT GROUND CONDUCTOR (NOT

ELECTRICAL GENERAL NOTES

- GENERAL PROVISIONS
- A. THE REQUIREMENTS OF THE SPECIFICATIONS, THE FOREGOING ARCHITECTURAL GENERAL NOTES AND MECHANICAL NOTES SHALL APPLY TO ALL WORK HEREUNDER.
- B. ALL WORK SHALL BE IN ACCORDANCE WITH 2008 CALIFORNIA ELECTRICAL CODE AND ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES, LAWS AND REGULATIONS.
- C.CONTRACTOR IS DIRECTED TO OBTAIN AND REVIEW BUILDING CONSTRUCTION STANDARDS. WORK SHALL BE IN ACCORDANCE WITH ING STANDARDS WHETHER OR NOT SUCH ARE REPEATED ON PLANS. CONTRACTOR SHALL NOTIFY ARCHITECT OF IS BETWEEN BUILDING STANDARDS AND THESE
- ALL VISIT SITE AND BE FULLY COGNIZANT OF ALL OR TO PROPOSAL. NOTIFY ARCHITECT OF D. CONTRACTOR SI CONDITIONS PRIC DISCREPANCIES BETWEEN DOCUMENTS AND EXISTING CONDITIONS.
- E. ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE LISTED BY UNDERWRITER'S LABORATORIES OR RECOGNIZED TESTING AGENCY.
- ISTALL COMPLETE ALL MATERIALS, EQUIPMENT AND OWN AND AS NECESSARY FOR COMPLETE WORKABLE
- AND PAY FOR ALL REQUIRED FEES, PERMITS AND
- C. GUARANTEE ALL WORK AND MATERIALS FOR ONE YEAR FROM DATE OF FILING NOTICE OF COMPLETION.
- . DISCONNECT AND REMOVE ALL DEVICES, CONDUIT AND WIRES NOT BEING REUSED WITHIN REMODEL AREAS. DETERMINE FROM OWNER EQUIPMENT TO BE SALVAGED.

SUBMITTALS

- A. PROVIDE CATALOG CUTS OR SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO PROCUREMENT FOR THE FOLLOWING **EQUIPMENT AND ITEMS:**
- LIGHTING FIXTURES AND CONTROL DEVICES 2. CIRCUIT BREAKERS, CONDUITS, FITTING, WIRES, BOXES

RECORD DRAWINGS

EQUIPMENT.

- A. SUBMIT AT THE PROJECT COMPLETION AND PRIOR TO FINAL PAYMENT ONE SET OF RECORD PRINTS NOTING ACTUAL ROUTINGS OF CONDUITS, EQUIPMENT LOCATIONS, ETC., AS WELL AS ANY REVISIONS MADE TO DESIGN DRAWINGS. SUBMIT WITH RECORD PRINTS TWO COPIES OF AVAILABLE EQUIPMENT MANUALS, SERVICE RECOMMENDATIONS, GUARANTEES, ETC.
- B. CIRCUIT NUMBERS FOR ALL FIXTURES AND DEVICES (NEW AND EXISTING) WITHIN THE AREA OF WORK SHALL BE VERIFIED AND INDICATED ON RECORD DRAWINGS. PANEL SCHEDULES SHALL BE CORRECTED TO REFLECT ACTUAL INSTALLATION.
- A. COORDINATE ALL WORK WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS. INSTALL ALL WORK TO CLEAR NEW AND EXISTING ARCHITECTURAL AND STRUCTURAL MEMBERS. NO ITEM SUCH AS PIPE, DUCT, ETC. SHALL BE IN CONTACT WITH ANY ELECTRICAL
- A. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING NECESSARY FOR INSTALLATION OF HIS WORK.
- B. OBTAIN WRITTEN PERMISSION FROM ARCHITECT AND GENERAL CONTRACTOR BEFORE PROCEEDING WITH ANY CUTTING OR PATCHING OF STRUCTURAL SYSTEMS, INCLUDING FLOOR SLABS.
- C.REFINISH MARRED OR DAMAGED FACTORY FINISHED EQUIPMENT.
- D. CONNECT ALL CONTRACTOR AND OWNER FURNISHED EQUIPMENT AND PROVIDE AND INSTALL REQUIRED DISCONNECTING MEANS.
- E. RESTORE ALL DAMAGE RESULTING FROM YOUR WORK AND LEAVE PREMISES IN CLEAN CONDITION WHEN FINISHED WITH WORK.

DISTRIBUTION AND GROUNDING

'. FIRE AND LIFE SAFETY SYSTEM (N.I.C.)

- A. PANELBOARDS SHALL BE BOLTED TYPE CIRCUIT BREAKERS MATCHING BUILDING STANDARDS, WHERE BUILDING STANDARDS DO NOT DESIGNATE MANUFACTURER, PROVIDE SQUARE D NQOD OR GE OR ITE EQUIVALENT. ALL 15/1 AND 20/1 CIRCUIT BREAKERS SHALL BE "SWD" RATED AND MARKED.
- B. PROVIDE GROUNDING SYSTEM COMPLYING WITH THE CODES AND ORDINANCES SPECIFIED. GROUNDING SYSTEM SHALL PROVIDE CONTINUITY THROUGH ENTIRE ELECTRICAL SYSTEM.

. CONDUIT AND RACEWAYS

- A. PROVIDE COMPLETE CONDUIT OR RACEWAY SYSTEM FOR ALL CIRCUITS AND WIRING OVER 50 VOLTS AND AS DESIGNATED FOR LOW VOLTAGE AND SIGNAL SYSTEMS CIRCUITS AND WIRING. 1. ALL EXPOSED OR DAMP LOCATIONS OR LARGER THAN
 - 2" SHALL BE GALVANIZED THICKWALL THREADED RIGID METAL CONDUIT WITH INSULATED BUSHINGS. 2. INTERIOR DRY LOCATIONS ABOVE GROUND SHALL BE
- FREE AIR AND SECURED WITH "U" NAILS. UNDERGROUND INSTALLATIONS SHALL BE SCHEDULE 40 PVC
- B. RUN ALL WIRES CONCEALED WHEREVER POSSIBLE IN CEILING, WALL OR FLOOR SPACES. RUN CLOSE TO STRUCTURE, PARALLEL TO
- BUILDING LINES. EXPOSED RACEWAY SHALL TIGHTLY CONFORM TO BUILDING OUTLINES SO AS TO BE AS INCONSPICUOUS AS POSSIBLE

C. PROVIDE INSULATING BUSHINGS ON ALL TERMINATIONS OF CONDUIT.

- D. ALL JUNCTION BOXES SHALL BE LABELED IDENTIFYING PANEL
- NUMBER AND CIRCUITS WHICH ROUTE THROUGH THE BOX. . ALL ELECTRICAL CONDUIT OR RACEWAY CROSSING SEISMIC SEPARATION OR EXPANSION JOINTS SHALL BE PROVIDED WITH

APPROVED FLEXIBLE CONNECTORS.

A. WIRE SHALL BE TYPE THHN/THWN, 600 VOLT COPPER, BEARING UL LABEL. CONDUCTORS #8 OR LARGER SHALL BE STRANDED, CONDUCTORS #10 AND SMALLER SHALL BE SOLID. BRANCH CIRCUIT WIRE SHALL BE #12 MIN. FOR 120V. WIRE COLOR CODING SHALL MATCH EXISTING, AND SHALL BE NOTED ON AS-BUILT PLANS. BOTH ENDS OF ALL WIRE RUNS SHALL BE LABELED W/ NUMBERED PRESSURE LABELS. SPLICE ONLY IN ACCESSIBLE JUNCTION OR OUTLET BOXES. SCREW-ON CONNECTORS SHALL BE NEATLY INSTALLED; GROUPED, LACED OR CLIPPED, AND FANNED OUT TO/FROM TERMINAL.

LIGHTING

10. WIRE

- A. PROVIDE LIGHTING FIXTURES OF SIZES, TYPES AND RATING INDICATED; COMPLETE WITH, BUT NOT LIMITED TO HOUSINGS, LAMPS, LAMP HOLDERS, BALLASTS, STARTERS, WIRING, AND MOUNTING HARDWARE. FIXTURE TYPE DESIGNATION FOR AN INDIVIDUAL FIXTURE SHALL BE TYPICAL FOR SIMILARLY INDICATED FIXTURES WITHIN THE ENTIRE DEFINED AREA. IN THE EVENT A FIXTURE IS UN-DESIGNATED ON PLANS, IT SHALL BE OF THE SAME TYPE AS FIXTURES OF SIMILAR FUNCTION WITHIN AREAS
- B. ALL LIGHTING FIXTURES SHALL BE PROVIDED WITH ALL REQUIRED OUTLET BOXES IN ACCORDANCE WITH CODE.
- C. ALL FIXTURES, LENSES, AND OTHER TRIM SHALL BE ALIGNED, CLEANED, FREE OF PAINT AND BLEMISHES BEFORE FINAL ACCEPTANCE.

REPLACE ASPHALT OR CONCRETE TO MATCH EXISTING WHERE REQUIRED (E) ASPHALT OR CONCRETE UNDISTURBED SOIL BACKFILL WITH NATIVE SOIL TO 90% RELATIVE COMPACTION PER ASTM D1557 PVC SCH 40 ELECTRICAL CONDUIT WHERE APPLICABLE (OR PVC SIZING AS REQ'D PER CABLE SIZE) SCALE: CONDUIT TRENCH DETAIL

MARK

EXISTING TO REMAIN GENERATOR NEW TO BE PROVIDED AND INSTALLED GFI GROUND FAULT CIRCUIT INTERRUPTER EXISTING TO BE REMOVED GROUND GND RELOCATED EXISTING HAND-OFF/AUTO SWITCH (RL) EXISTING TO BE RELOCATED HORSEPOWER HIGH POWER FACTOR ABOVE COUNTER BACKSPLASH ALTERNATING CURRENT HERTZ (CYCLES PER SECOND) A, AMP AMPERES INTEGRATED EQUIPMENT (SHORT AMPERE (RATED) FUSE OR CB FRAME CIRCUIT) RATING (RMS SYM. AMPS) ABOVE FINISHED FLOOR ISOLATED GROUND AFG ABOVE FINISHED GRADE KEY OPERATED AVAILABLE RMS SYMMETRICAL AMPERE KCMIL THOUSAND CIRCULAR MILS AMPERE (RATED) SWITCH KILOWATTS CIRCUIT BRKR TRIP SETTING (AMPS) KILOVOLT-AMPERES AUTOMATIC TRANSFER SWITCH AUTO **AUTOMATIC** AUX **AUXILIARY** MINIMUM CIRCUIT AMPERES AWG AMERICAN WIRE GAUGE **MANUFACTURER** BAT **BATTERY** BG BELOW GRADE MISCELLANEOUS CONDUIT (CIRCULAR RACEWAY) MAIN LUGS ONLY CB CIRCUIT BREAKER MINIMUM RMS SYMMETRIC AMPERE CKT CIRCUIT (EQUIPMENT RATING) CLG CEILING MOUNTED CO CONDUIT ONLY CU COPPER

NEUTRAL (GROUNDED CONDUCTOR) NORMALLY CLOSED NATIONAL ELECTRICAL CODE NEGATIVE

ABBREVIATIONS

NATIONAL ELECTRICAL MFGR'S ASSOC. NIGHT LIGHT (UNSWITCHED) NORMALLY OPEN NOT TO SCALE

SITE IMPROVEMENT PLANS

W.O. NO. ROAD NO.

FILE NO.

Know what's below.

Call before you dig.

3 | 37.92 |

1 1/2 | 30.35

1 1/2 | 30.35

1 1/2 | 30.35

1 1/2 | 30.35

1 1/2 | 30.35

LENGTH

(FT)

680

LOAD

135

(P02

(P03)

P04

(P05)

(P06)

P07

G01

FEEDER TAG

P01

PREPARED BY:

VOLTAGE DROP CALCULATION

3 PHASE, 3 OR 4 WIRE

% DROP

3%

4-400 KCMIL + 1#3 GND.

3#1 + 1#6 GND.

1#1/0 BTCW

VOLTS

480

DESIRED | MIN. CIRC | SELECTED | VOLTAGE

MILS

146902

WIRE

167800

FEEDER

BRANCH FEEDER

BRANCH FEEDER

BRANCH FEEDER

BRANCH FEEDER

BRANCH FEEDER

GROUNDING

DROP (V)

12.61

100A

100A

100A

41250 Placer Lafite, Temecula, CA 92591 P:(949) 317-4700 F:(949) 589-1909 email@linkture.com www.linkture.com



DATE: 08/24/21

TKE ENGINEERING, INC. 4446 CENTRAL AVENUE RIVERSIDE, CA 92506 (951) 680-0440 FAX (951) 680-0490

TERRY M. RENNER R.C.E. No. 69984 EXPIRES: 9-30-22

DESIGNED BY DRAWN BY CHECKED BY LA OF RECOMMENDED/APPROVED BY:

FIELD BOOK REF. SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS APPROVED BY: ASST. DIRECTOR OF PUBLIC WORKS DATE DIRECTOR OF PUBLIC WORKS DATE LAND DEVELOPMENT ENGINEER DATE **REVISIONS**

NONE

DISC

DIA

DIV

FB0

FC

FLA

FLEX

FU

DISCONNECT

ELECTRIC WATER COOLER

ELECTRIC WATER HEATER

FURNISHED BY OTHERS

FLUSH FLOOR MOUNTED

FULL LOAD AMPERES

FOOT CANDLES

DIAMETER

DIVISION

FLEXIBLE

FUSE

E,EMERG EMERGENCY

CENTRAL VALLEY JUVENILE DETENTION CENTER SECURED PARKING LOT EXPANSION

TITLE SHEET

SHEET 1 OF 5

OWNER FURNISHED, CONTRACTOR

SINGLE POLE DOUBLE THROW

SINGLE POLE SINGLE THROW

OWNER FURNISHED, OWNER INSTALLED

INSTALLED

PUSHBUTTON

POLE

PANEL

PRIMARY

REQUIRED

SUBSTATION

SWITCHBOARD

SWITCHGEAR

TELEPHONE

TYPICAL

WITHOUT

ZONE

TERMINAL BOARD

VOLT-AMPERES

TRANSFORMER

EXPLOSION PROOF

UNDERWRITERS LAB

UNLESS OTHERWISE NOTED

VARIABLE FREQUENCY DRIVE

WITHSTAND CURRENT RATING

WEATHERPROOF, SEE RECEPT. SYMBOL

UNINTERRUPTIBLE POWER SUPPLY

SWITCH

PH, Ø PHASE

+,POS POSITIVE

OFOI

PRI

SUB

UPS

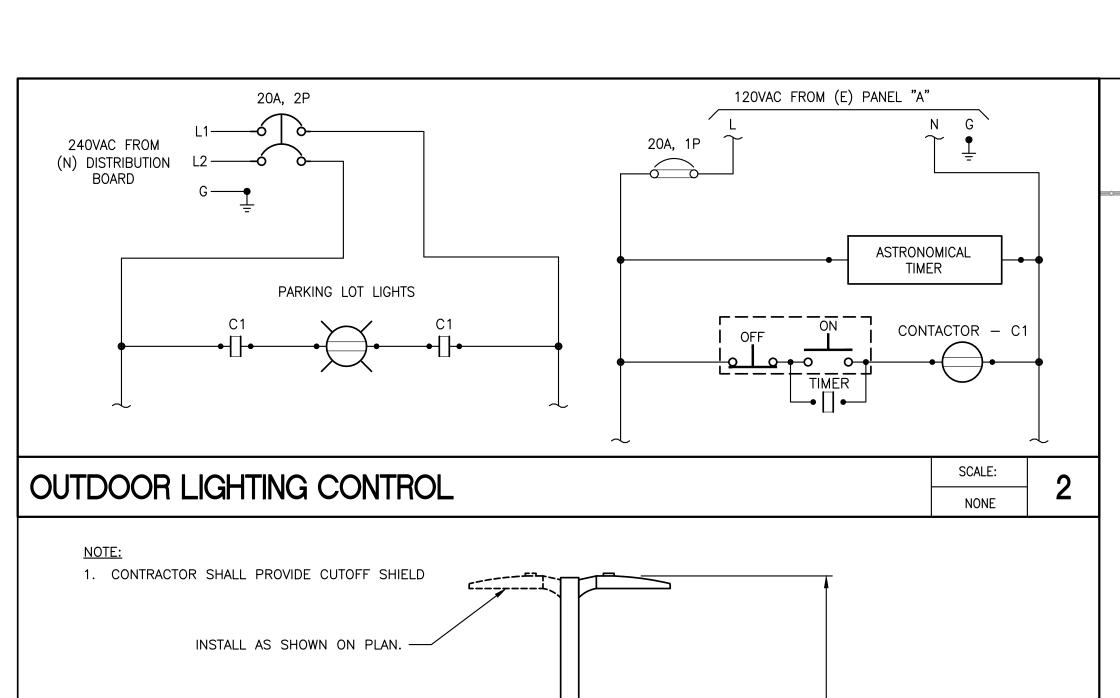
VFD

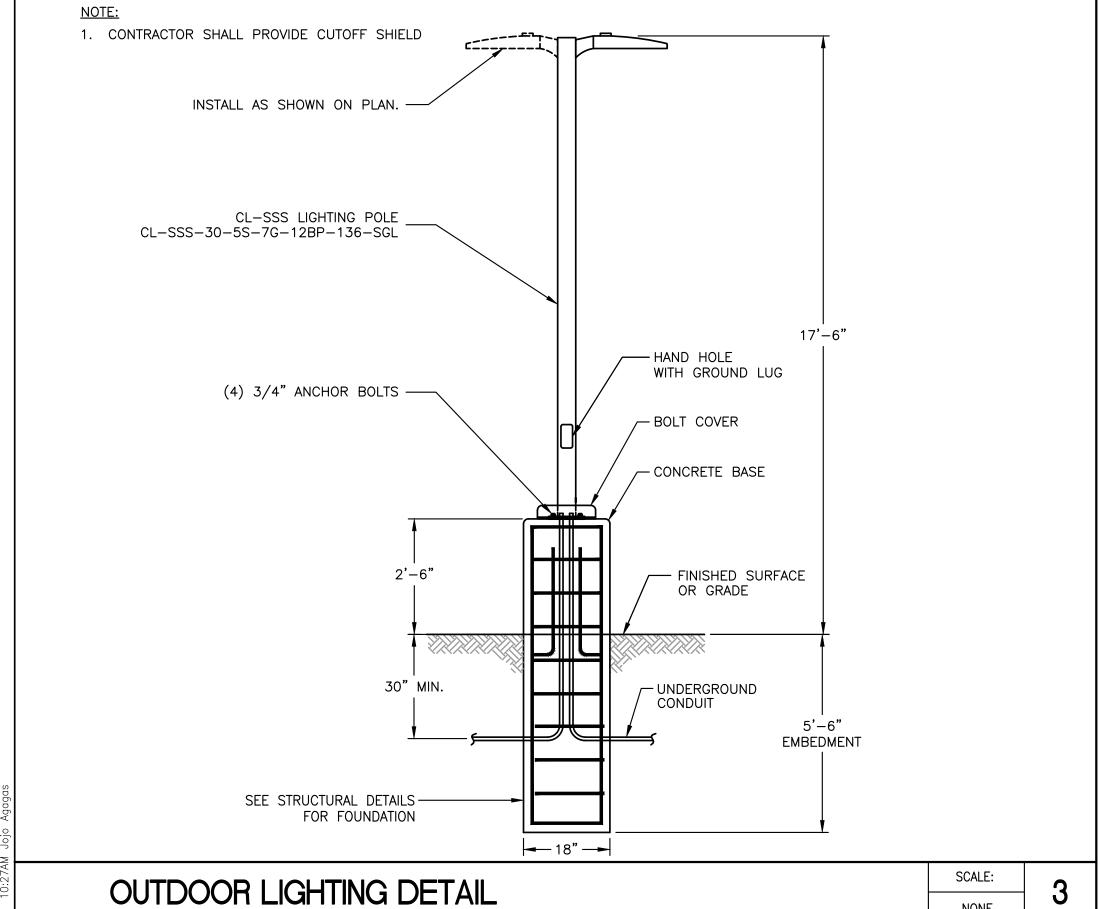
W/O

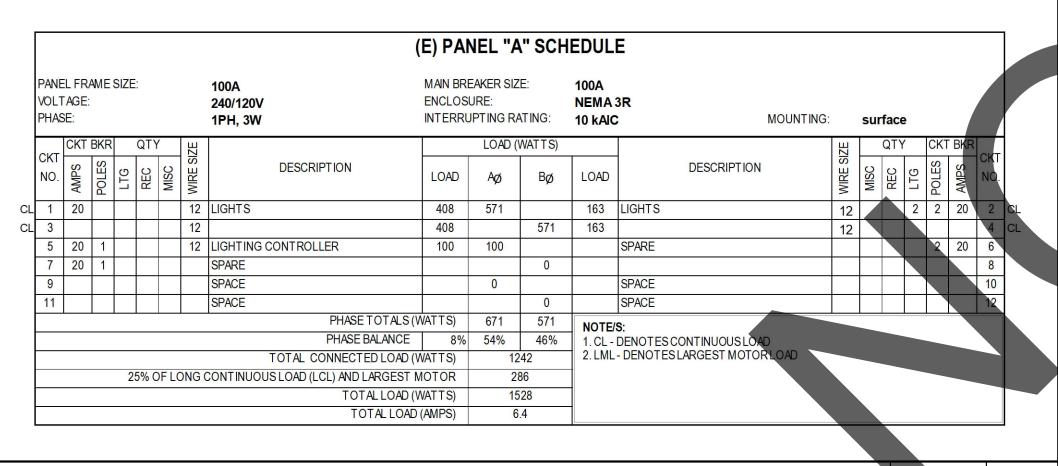
WCR

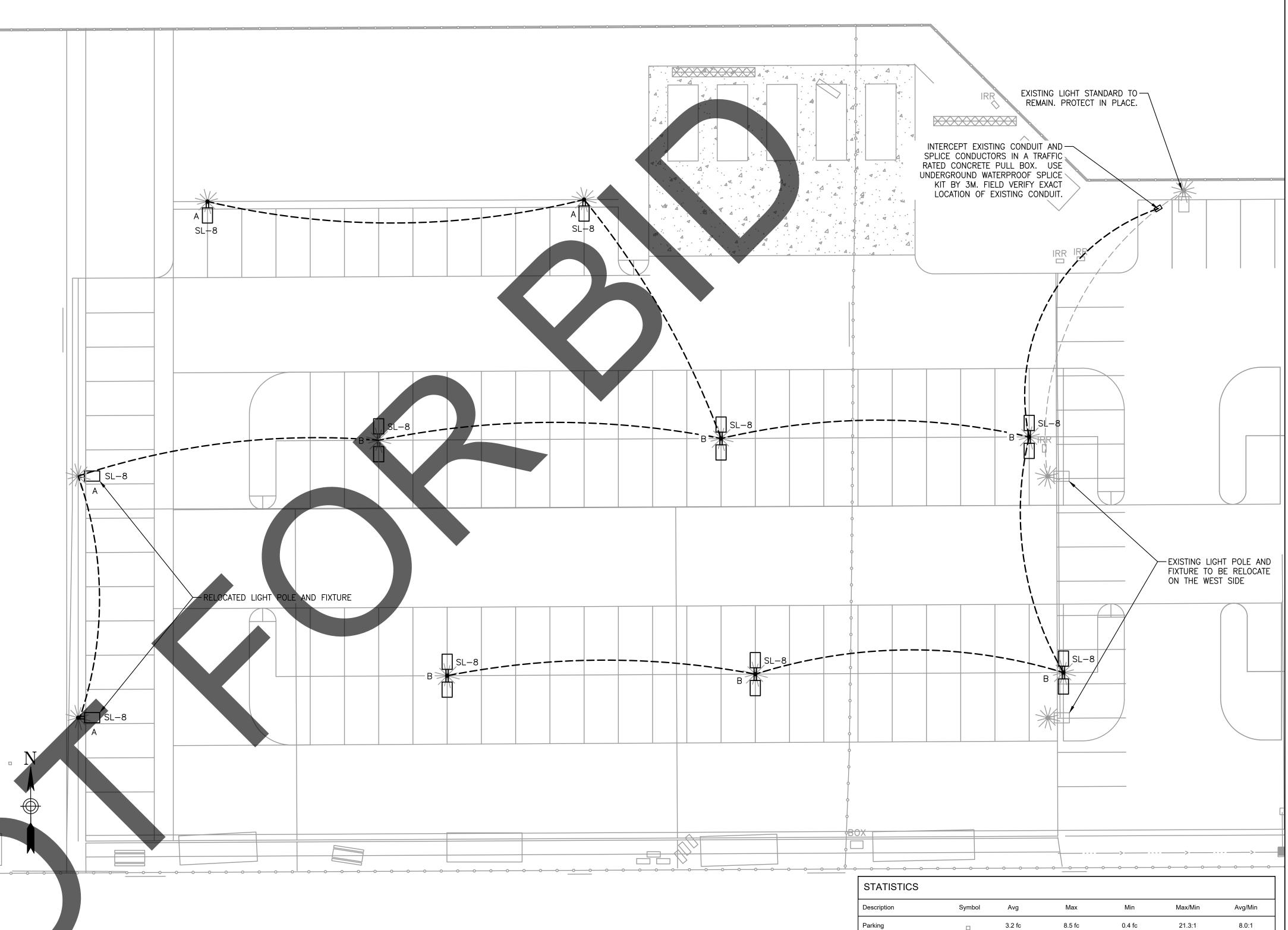
XFMR

XΡ









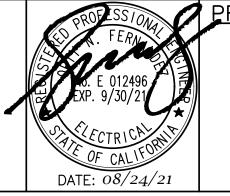
PANEL SCHEDULE

PARKING LOT LIGHTING PLAN



PREPARED BY:

41250 Placer Lafite, Temecula, CA 92591 P:(949) 317-4700 F:(949) 589-1909 email@linkture.com www.linkture.com



NONE

1.				
4				
	ICIN	E ER	ING	

TERRY M. RENNER R.C.E. No. 69984 EXPIRES: 9-30-22

TKE ENGINEERING, INC. 4446 CENTRAL AVENUE RIVERSIDE, CA 92506 (951) 680-0440 FAX (951) 680-0490

FIELD BOOK REF.							DINO COUNTY PUBLIC WORKS	SITE IMPROVEMENT PLANS
						CHECKED BY OF		CENTRAL VALLEY JUVENILE DETENTION CENTER SECURED
				RECOMM	ENDED/APPRO	OVED BY:	ASST. DIRECTOR OF PUBLIC WORKS DATE	PARKING LOT EXPANSION LIGHTING PLAN, PANEL
MARK	REVISIONS	APPR	DATE	LAND DEVELO	PMENT ENGINEE	R DATE	DIRECTOR OF PUBLIC WORKS DATE	SCHEDULE AND DETAIL

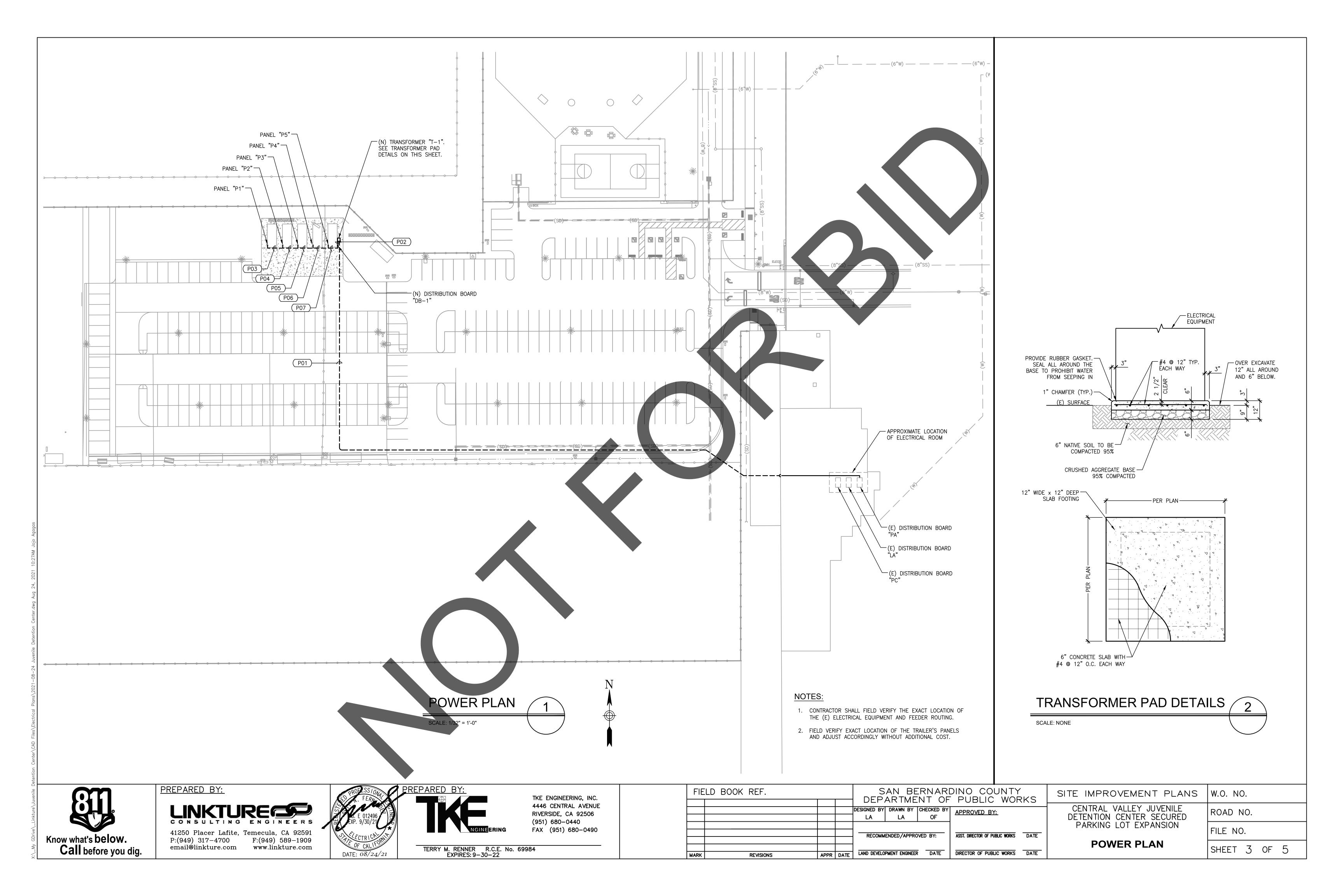
1" = 15'-0"

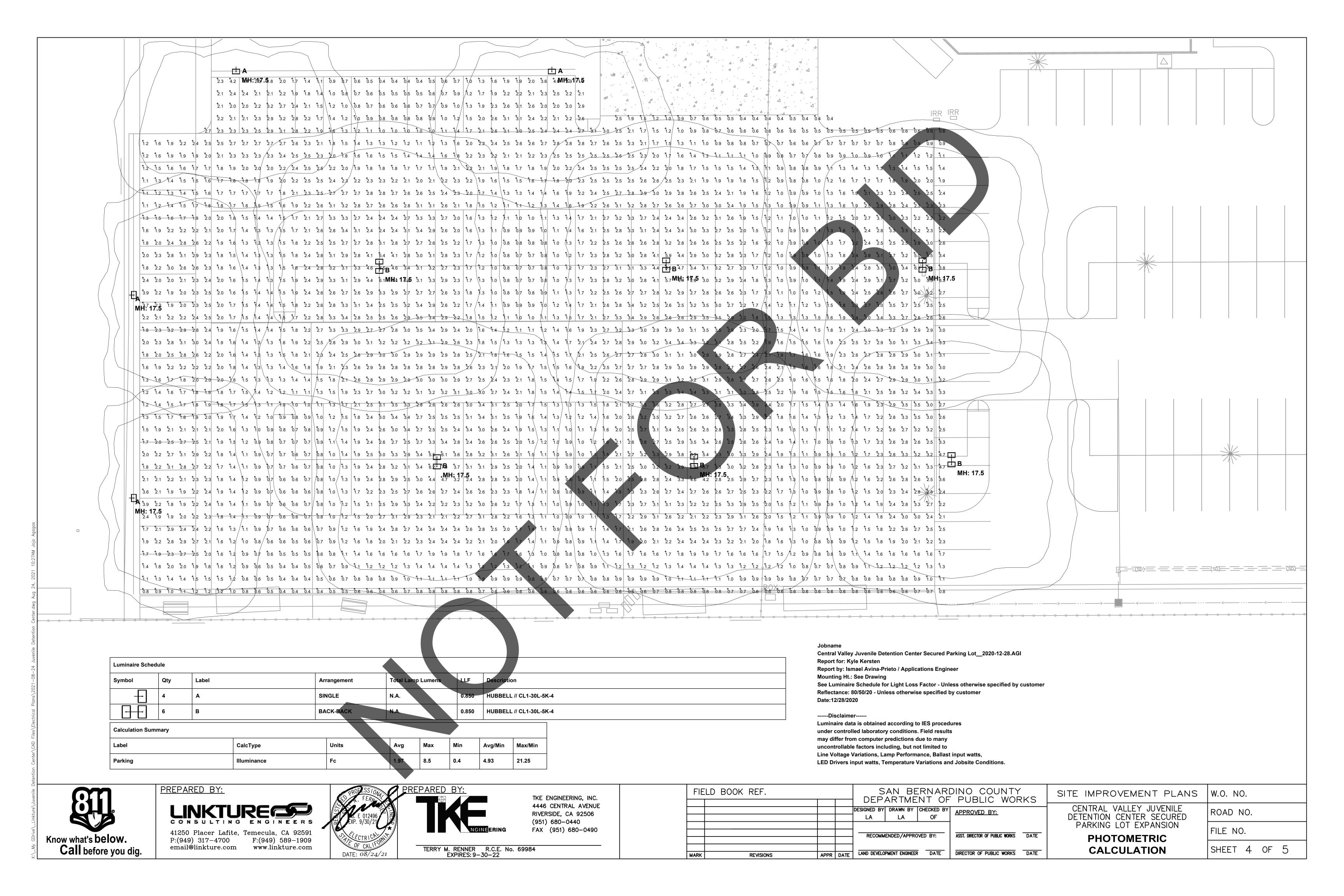
W.O. NO. ROAD NO.

WORST CASE VOLTAGE DROP = 1.52%

FILE NO.

SHEET 2 OF 5





A Building Energy Efficiency Standards	2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards
LA building chergy chiclency standards	2019 Nonresidential Compilance. http://www.energy.ca.gov/title24/2019standards

November 2019

STATE OF CALIFORNIA **Outdoor Lighting CALIFORNIA ENERGY COMMISSI19** NRCC-LTO-E (Created 11/19) CERTIFICATE OF COMPLIANCE NRCC-LTO-E Project Name: JUVENILE DETENTION CENTER PARKING LOT Report Page: Page 2 of 6 Project Address: 900 E. GILBERT STREET, SAN BERNARDINO, CA 92415 DECEMBER 31, 2020 Date Prepared: D. EXCEPTIONAL CONDITIONS This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form. No exceptional conditions apply to this project. E. ADDITIONAL REMARKS This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

STATE OF CALIFORNIA

Table Instructions: For new or altered lighting systems demonstrating compliance with §140.7 (ie Table I has expanded for input), include all luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application in the Table below. For altered lighting systems using the Existing Power method per <u>§141.0(b)2L</u> (ie Table N has expanded for input), include only new luminaires being installed and replacement luminaires being installed as part of the project scope (ie, do not include existing luminaires remaining or existing luminaires being moved). Designed Wattage:

01 08 Cutoff Req. ≥ 6,200 initial lumen Field Inspector Watts per | How Wattage is | Complete Luminaire Description number Luminaire Status³ per Design Watts Item Tag luminaire^{1,2} determined luminaires² §140.7(a) §130.2(b)⁴ Pass Fail L1 70 Mfr. Spec¹ 1,120 Linear

Total Designed Watts: 1,120

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.

EX: Luminaire is lighting a statue; EXCEPTION 2 to §130.2(b).

¹ FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per <u>§130.0(c)</u> ² For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet for the luminaire should be indicated in column 05 instead of number of

³ Select "New" for new luminaires in a new outdoor lighting project or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope

⁴ Compliance with mandatory cutoff requirements is required for luminaires with initial lumen output ≥ 6,200 unless exempted by §130.2(b).

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

STATE OF CALIFORNIA Outdoor Lighting

NRCC-LTO-E (Created 11/19) CALIFORNIA ENERGY COMMISSI19 CERTIFICATE OF COMPLIANCE Project Name: JUVENILE DETENTION CENTER PARKING LOT Report Page: Page 3 of 6 DECEMBER 31, 2020 Project Address: 900 E. GILBERT STREET, SAN BERNARDINO, CA 92415 Date Prepared:

G. CUTOF	F REQUIREM	IENTS (BUG)										- (
Table Instr	uctions: Com	olete this table for fixtures o	f ≥ 6,200 ir	nitial lumino	aire lumens indicated o	on Table F as	needing t	to comply with Cutoff I	Requiremen	ts. Maxim	um lum	ens
can be fou	nd in Title 24,	Part 11, Section 5.106.8.										
01	02	03	04	05	06	07	08	09	10	11	1	2
	l luminaire l	Backlight R	Backlight Rating ²		Uplight Rating ²			Glare Rating ²			Fie Inspe	eld ecto
Name or Item Tag		Mounting Height from Property Line ¹	Max Allowable Backlight Rating ³	Backlight Rating Per Design	Lighting Type	Max Allowable Backlight Rating ³	Uplight Rating Per Design	Mounting Height from Property Line ¹	Max Allowable Glare Rating ³	Glare Rating Per Design	Pass	Fa
L1	LIGHT	> 2 MH from property line	No Limit	1	All Other (including	U2	0	> 2 MH from property line	G2	2		

FOOTNOTES: Mounting Height is labeled MH in this table

² Authority having jurisdiction may ask for luminaire cut sheets or other documentation to confirm luminaire type, uplight ratings and glare ratings used for compliance per

³ BUG ratings with a lower number than the 'Max Allowable' are compliant. Ex. If Max Allowable is Bug Rating is B4, then B0, B1, B2, B3 and B4 are all compliant. H. OUTDOOR LIGHTING CONTROLS

Table Instructions: Complete this table demonstrating compliance with controls requirements for all new or altered luminaires installed as part of the perm alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need 💋 even if they are within the spaces covered by the permit application.

When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table show "DOES NOT COMPLY" if the notes are left blank. For each requirement in columns 02 through 04, do not leave the field blank, instead select NA or Exe. dropdown list to indicate not applicable or an exemption.

Mandatory Controls

01	02	03	04	0.	5
Area Description	Shut-Off	Auto-Schedule	Motion Sensor	Field In	spector
	§130.2(c)1	§130.2(c)2	§130.2(c)3	Pass	Fail
PARKING LOT	Astronomical Timer	Yes	NA: Façade, etc. ≤ 24ft		
*NOTES: Controls with a * require a no EX: Not permitted by health & safety to					
Table Continued					

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019s

STATE OF CALIFORNIA **Outdoor Lighting**

CALIFORNIA ENERGY COMMISSI19 CERTIFICATE OF COMPLIANCE Project Name: JUVENILE DETENTION CENTER PARKING LOT Page 4 of 6 oject Address: 900 E. GILBERT STREET, SAN BERNARDINO, CA 92415 DECEMBER 31, 2020 05 Shut-Off Auto-Schedule **Motion Sensor** Field Inspector Area Description §130.2(c)2 §130.2(c)3 Pass Fail

I. LIGHTING POWER ALLOWANCE (per §140.7)					?
Table Instructions: Please complete this table for areas using the			01		
allowance calculations per <u>§140.7</u> . General Hardscape Allowance		"U	Ise it or lose it" Allow	ances (select all that	apply)
is per <u>Table 140.7-A</u> while "Use it or lost it" Allowances are per <u>Table 140.7-B</u> . Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use	General Hardscape Allowance	Per Application	Sales Frontage	Ornamental	Per Specific Area
it or lose it" allowance.	Table I (below)	Table J	Table K	Table L	Table M

J. LIGHTING ALLOWANCE: PER APPLICATION

This Section Does LLOWANCE: SALES FRONTAGE

Not Apply

WANCE: ORNAMENTAL ection Does

M. LIGHTING ALLOWANCE ER SPECIFIC AREA This Section Does Not Apply

TING CONDITIONS POWER ALLOWANCE (alterations only) Does Not Apply

gy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

STATE OF CALIFORNIA

Outdoor Lighting NRCC-LTO-E (Created 11/19) CALIFORNIA ENERGY COMMISSI19 CERTIFICATE OF COMPLIANCE Project Name: JUVENILE DETENTION CENTER PARKING LOT Report Page: Page 5 of 6 Project Address: 900 E. GILBERT STREET, SAN BERNARDINO, CA 92415 Date Prepared: **DECEMBER 31, 2020**

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/ title24/2019standards/2019 compliance documents/Nonresidential Documents/NRCI/

Field Inspector Fail [O-01-E - Must be submitted for all buildings. ▶02-E - Must be submitted for a lighting control system; or for an Energy Management Control System (EMCS), to be

DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in e documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

YES	NO	Form/Title		Field Inspector	
		Torniy fide	Pass	Fail	
•		NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls area added to \leq 20 luminaires.			

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

November 2019

STATE OF CALIFORNIA **Outdoor Lighting**

NRCC-LTO-E (Created 11/19) CERTIFICATE OF COMPLIANCE NRCC-LTO-E Project Name: JUVENILE DETENTION CENTER PARKING LOT Page 6 of 6 Project Address: 900 E. GILBERT STREET, SAN BERNARDINO, CA 92415 **DECEMBER 31, 2020**

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT I certify that this Certificate of Compliance documentation is accurate and complete **OPTY FERNANDEZ** Documentation Author Name: Documentation Author Signature: LINKTURE CORP. DECEMBER 31, 2020 |Company: Signature Date: 15 FLAGSTONE CEA/ HERS Certification Identification (if applicable): TRABUCO CANYON, CA 92679 (949) 317 4700 City/State/Zip: RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.

2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer) 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this

Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	OPTY FERNANDEZ	Responsible Designer Sign	nature: \MON
Company :	LINKTURE CORP.	Date Signed:	DECEMBER 31, 2020
Address:	15 FLAGSTONE	License:	E 012496
City/State/Zip:	TRABUCO CANYON, CA 92679	Phone:	(949) 317 4700

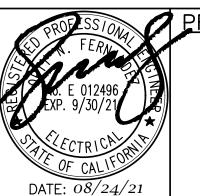
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

November 2019

Know what's below. Call before you dig.

PREPARED BY:

41250 Placer Lafite, Temecula, CA 92591 P:(949) 317-4700 F:(949) 589-1909 email@linkture.com www.linkture.com



TERRY M. RENNER R.C.E. No. 69984

EXPIRES: 9-30-22

TKE ENGINEERING, INC. 4446 CENTRAL AVENUE RIVERSIDE, CA 92506 (951) 680-0440 FAX (951) 680-0490

FΙΕ	LD BOOK REF.			SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS
				DEPARTMENT OF PUBLIC WORKS
				DESIGNED BY DRAWN BY CHECKED BY APPROVED BY:
				LA LA OF
				RECOMMENDED/APPROVED BY: ASST. DIRECTOR OF PUBLIC WORKS DATE
				Accommenses, in the vest sin
MARK	REVISIONS	APPR	DATE	LAND DEVELOPMENT ENGINEER DATE DIRECTOR OF PUBLIC WORKS DATE

November 2019

SITE IMPROVEMENT PLANS CENTRAL VALLEY JUVENILE DETENTION CENTER SECURED PARKING LOT EXPANSION **TITLE 24 ENERGY** COMPLIANCE

| W.O. NO. ROAD NO. FILE NO.

SHEET 5 OF 5