

LODI UNIFIED SCHOOL DISTRICT

2020 Paving Project(s) – Phase II

PROJECT NUMBER: 0916-8216

DSA #:02-118112

Heritage Elementary School

ADDENDUM NO. 2

January 28, 2020

Owner: Lodi Unified School District
1305 E. Vine Street
Lodi, CA 95240

Engineer: Warren Consulting Engineers, Inc.
1117 Windfield Way
El Dorado Hill, CA 95762

Project Manager: Capital Program Management, Inc.
1851 Heritage Lane, Suite 210
Sacramento, CA 95815

This Addendum has been prepared to clarify, modify, delete, or add to the drawings and/or specifications for the above referenced project, and revisions to items listed here shall supersede description thereof prior to the above stated date. All conditions not specifically referenced here shall remain the same. It is the obligation of the Prime Contractor to make subcontractors aware of any items herein that may affect submitted bids.

Acknowledge receipt of this addendum by inserting its number and date in the bidding documents. Failure to do so may subject bidder to disqualification.

All addenda items refer to the plans and specifications unless specifically noted otherwise.

TOTAL PAGES IN THIS ADDENDUM (including attachments): 11

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PART A - BIDDING AND CONTRACT REQUIREMENTS

- 1.1 The bid date has changed. Bids are due Tuesday, February 4, 2020 by 2:00:00 p.m. at the District Facilities Office, 1305 E. Vine Street Lodi California 95240.
- 1.2 All content included in Addendum #1 to be replaced in its entirety with Addendum #2.

PART B - TECHNICAL REQUIREMENTS

- 1.3 N/A

PART C - DRAWINGS

- 1.4 Refer to Drawing Sheet C1.1 Demolition Plan. Replace in its entirety with Drawing Sheet C1.1 Demolition Plan, dated 01/27/2020.
- 1.5 Refer to Drawing Sheet C3.1 Paving Plan. Replace in its entirety with Drawing Sheet C3.1 Paving Plan, dated 01/27/2020.
- 1.6 Insert Drawing Sheet E100 Partial Site Plan – Electrical, dated 01/24/2020.

PART D – RESPONSES TO CONTRACTOR QUESTIONS

- 1.7 **Question:** Per specification section 01 52 13 Field Office discusses temporary construction trailer, the language “if desired, provide...” just want to confirm that an office trailer is not required for this project.
Response: A job site trailer is not required for this job.
- 1.8 **Question:** Regarding electrical, sheet C3.1 construction notes 16 & 17 denote installing conduits.
 - Where does note 17 apply? I cannot find any locations for this.
 - Since there are no wires indicated to be pulled, who is performing this work or is this considered future?
 - If the wires are considered future, this creates a problem since we have electrified gate operators.**Response:** Refer to Drawing Sheet C3.1 Paving Plan, dated 01/27/2020 and Drawing Sheet E100 Partial Site Plan – Electrical, dated 01/24/20 for clarification.

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- 1.9 **Question:** Per specification section 00 11 16-1 provides the general scope of work which notes "lighting..." however it does not appear that there is lighting on the plans. Please advise.
Response: Delete all the conduit notes on sheet C3.1. Refer to Drawing Sheet C1.1 Demolition Plan, dated 01/27/2020. Also refer to Drawing Sheet E100 Partial Site Plan – Electrical, dated 01/24/20 for clarification.
- 1.10 **Question:** It was noted at the job walk that the entire section of concrete which has the cut off posts in the concrete strip is to be removed. However per sheet C1.1 note 8 states remove posts and associated footing "typ of 37". C1.1 also only shows two spots where the demolition limit encroaches on this area. Please clarify what is to be removed at this location.
Response: Refer to Drawing Sheet C1.1 Demolition Plan, dated 01/27/2020 for clarification.
- 1.11 **Question:** For bidding purposes are we to assume standard colors for the CMU? And do we assume smooth or split face?
Response: Please use smooth face CMU, standard grey color for the trash enclosure.
- 1.12 **Question:** Are there any as-builts or plans available related to the existing landscape / irrigation system in place? Having this information will help with the new sprinkler / field adjustment and costs associated.
Response: No
- 1.13 **Question:** There are some areas on the demo plan that show us removing asphalt next to some post holes but are not shown to be paved back on any sheet. Is this the intent?
Response: Refer to Drawing Sheet C1.1 Demolition Plan, dated 01/27/2020.
- 1.14 **Question:** Is the contractor responsible for reconstructing the irrigation or will the school district do it? If the contractor is responsible for the cut, cap, and moving of said irrigation can we have an as-built pan of sort so we can see the extent of the work?
Response: Refer to Drawing Sheet C1.1, Note 12.
- 1.15 **Question:** The trash enclosure is shown to be poured neat against the existing asphalt. Is this the intent or do you want a 1-2' strip of asphalt patch back to help with the transition?
Response: Refer to Drawing Sheet C3.1 Paving Plan, dated 01/27/2020.
- 1.16 **Question:** What work is to happen at the areas calling for a 60" min landing at the gate entrances on sheet C3.1?
Response: Refer to Addendum 1 Drawing Sheet C3.1 Paving Plan, dated 01/27/2020.
- 1.17 **Question:** Will temp fence be required around the project?
Response: Yes.
- 1.18 **Question:** When will kids be out of school for summer break?
Response: Summer break is 06/01/2020 to 07/31/2020. Spring break is 3/9/2020 to 3/20/2020.

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- 1.19 **Question:** Will there be summer school?
Response: No
- 1.20 **Question:** Will topsoil be required in the planting areas or can we use native material?
Response: Native material is acceptable.
- 1.21 **Question:** Can we backfill the conduit with native material?
Response: Refer to Drawing Sheet E100 Partial Site Plan – Electrical, dated 01/24/20 for clarification.
- 1.22 **Question:** How deep does the conduit need to be from finish grade?
Response: Refer to Drawing Sheet E100 Partial Site Plan – Electrical, dated 01/24/20 for clarification.
- 1.23 **Question:** Does there need to be a header board where asphalt is directly adjacent to landscape areas? If so what type and size?
Response: Yes. Refer to Drawing Sheet C3.1 - Paving Plan, dated 01/27/2020 for clarification.
- 1.24 **Question:** Note 16 on sheet C3.1 calls for 2 conduits but is pointing to two different lines. So are there 2 conduits or 4 conduits running to the pull boxes?
Response: Refer to Drawing Sheet E100 Partial Site Plan – Electrical, dated 01/24/20 for clarification.
- 1.25 **Question:** Will we need to phase the demolition and grading of the work to be done closer to the school along the path of travel after students are not in school anymore? Will we need to fence these off if kids are still in school?
Response: All scope of work related to the path of travel for the students and staff in the portables needs to occur when school is on summer break.
- 1.26 **Question:** Does the district want any fabric on the temp fence or will chain link be suffice? Fabric increases the chances of the fence being blown over by the wind.
Response: No
- 1.27 **Question:** Is the contractor responsible for any testing?
Response: No
- 1.28 **Question:** Please confirm there is no lime treatment on the project and the spec section is only provided should we need it during construction.
Response: Refer to Bid Form and Proposal 00 41 13 for a list of allowances to be included in bidder's contract.
- 1.29 **Question:** "On the fence, specs call out 1 3/4" mesh; plans call out 1". Please clarify which mesh (fabric) is desired"
Response: 1" no climb.

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PART E – List of Attachments

- 1.30 Pre-bid Conference & Site Visit Agenda. (1 Page)
- 1.31 Pre-Bid Conference & Site Visit - Sign-In Sheet for project 0916-8216 (2 Pages)
- 1.32 Drawing Sheet C1.1 Demolition Plan, dated 01/27/2020 (1 Page)
- 1.33 Drawing Sheet C3.1 Paving Plan, dated 01/27/2020 (1 Page)
- 1.34 Drawing Sheet E100 Partial Site Plan – Electrical, dated 01/24/2020 (1 Page)

End of Addendum

**Lodi Unified School District
Heritage Elementary School Paving Project
Project No. 0916-8216**

PRE-BID CONFERENCE & SITE VISIT AGENDA

Date: Wednesday, January 15, 2020 **Time:** 3:00 p.m.
Schools: 0916-8216 Heritage Elementary School
Bid Date: Thursday, January 30, 2020 by 2:00:00 p.m. at the LUSD Office

- I. Meeting Called to Order**
- II. Introduction of Project Team**
 - A. District Representative, Vicki Brum, Katie Madzier, & Joe Patty Planning & Facilities
 - B. Capital Program Management, Craig Dooling and Dany Mendez
 - C. Tom Fassbender, Warren Consulting Engineering, Inc., Civil Engineer
- III. Bidding Documents:** Available from District <https://www.lodiud.net/district/departments/business-services/facilities-and-planning>. Also available at Builder's Exchange of Sac and Stockton and Valley Builder's Exchange.
- IV. Contracting Format:** (1) Prime Contract
- V. Scope of Work Descriptions:** Document 01 11 00 Part 1.02 Summary of Work and Drawings
- VI. Engineer's Estimated Construction Budget:** \$618,532.00
- VII. Bidding and Contract Award Requirements:**
 - A. License requirement(s): A or B
 - B. Bid Bond or Certified Check, 10% of bid
 - C. Prevailing Wages - certified payrolls, payroll records and other documents shall be required along with your progress billings: www.dir.ca.gov/dlsr/DPreWageDetermination.htm
 - D. DIR Registration of Contractor & Subcontractors (See General Conditions, Section 0072 13)
 - E. Disabled Veterans Business Enterprise (DVBE – Section 00 45 46.02)
 - F. Bond and Insurance Requirements (See General Conditions, Section 00 72 13)
 - G. Bid Form (See Bid Form, Section 00 41 13):
 - 1. Completed Forms
 - 2. No Iran Contra Document required
 - 3. No faxes, phone or email bids
 - 4. Bids good for 90 days
- VIII. Inspection Procedures:** DSA Project Inspector: Jim Girard
- IX. Project Schedule:** See Document 00 01 20 List of Schedules. Start date of Construction is March 9, 2020 and completion date is July 31, 2020.
- X. Department of Justice (DOJ) Clearance, Badges and Security:** District Protocols. DOJ clearance for Supervisors and Visitor Badges for work crew.
- XI. Site Information:**
 - A. Contact: Dany Mendez C: 617-970-5010
 - B. Site access, temporary facilities, staging areas and parking
 - C. Conduct on school premises: No dialogue or contact with students, no smoking or tobacco and all employees on site are to conduct themselves professionally.
 - D. Contractor's working hours: 7:00 am - 3:30 pm
 - E. Contractor's supervision: The designated Superintendent must be present at all times when subcontractors or self-performance work is taking place.
- XII. Owner Meetings:** Tuesday's at 8:30 am beginning on March 17, 2020. At site and room TBD
- XIII. Questions**
- XIV. Adjournment**

Important note: Responses to inquiries and discussions occurring at this pre-bid walk-through shall in no way change or modify the bid documents. The bid documents will be affected only by addenda issued prior to the bid date.

Send written inquiries by EOB January 21, 2020 to: Dany Mendez: Danym@capitalpm.com and Craig Dooling: craigd@capitalpm.com.

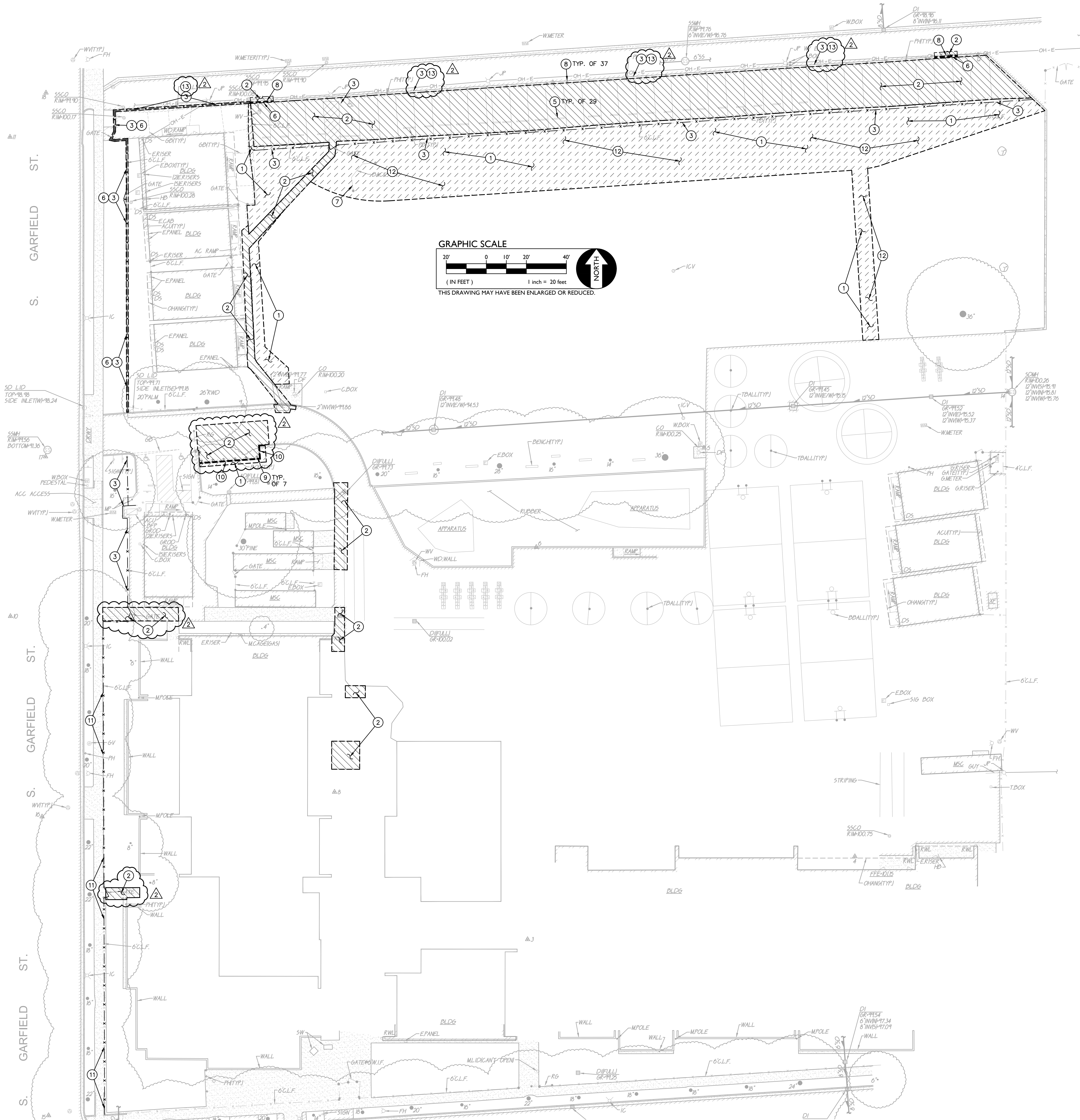
Lodi Unified School District
PRE-BID CONFERENCE AND SITE VISIT SIGN-IN SHEET FOR
PROJECT NO. 0916-8216
Heritage Elementary School Paving Project
Wednesday, January 15, 2020
3:00:00 PM

Company Name & Representative Name	Company Street Address	Phone #	E-Mail
McGuire and Hester	1066 N Market #20 Sacramento CA	916-372-8910	SACCESTIMATING@McGuireAndHester.com
STOCKTON FENCE TONY B.	2007 N. Wilson Way Stockton	209-446-3166	TONY@STOCKTONFENCECO.COM
Western Engineering Contractors	3171 Rippey Rd. Loomis CA 95650	916-652-3990	cmckenzie@westeng.com
Martin Brother Construct	8801 Folsom Blvd, unit 260 Sacramento, CA 95826	916-381-0911	estimating@martinbrothers.net
BACO CONSTRUCTORS ANISSA COUNTRYMAN	3050 CINCINNATI AVENUE ROCKLIN CA 95765	916-253-9373	ACOUNTRYMAN@GOBACO.COM
AUBERTO VELARDE, PRINCIPAL HERITAGE ELEMENTARY SCHOOL	HERITAGE ELEMENTARY SCHOOL	(209) 331-7343	avelarde@lodiusd.net
Joe Patty	LUUSD	209 712-6363	JPatty@LODIUSD.NET
KATIE MADZIER	LUUSD	209 331-7225	KMADZIER@LODIUSD.NET
MARC KARIN	LUUSD	209-224-4840	MKARIN@LODIUSD.NET
Steve Kubat - George Reed, Inc.	140 Empire Ave. Modesto (IA)	(209) 352-2351	Stephen.Kubat@georgereed.com / bmocontracting@georgereed.com

Lodi Unified School District
PRE-BID CONFERENCE AND SITE VISIT SIGN-IN SHEET FOR
PROJECT NO. 0916-8216
Heritage Elementary School Paving Project
Wednesday, January 15, 2020
3:00:00 PM


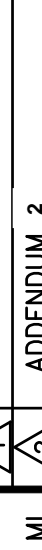
Company Name & Representative Name	Company Street Address	Phone #	E-Mail
JTB Electric & Const. Dulian Gallagos	3295 Shelby PL Fairfield	707-631-6226	John @ Jbec-inc.com
Sunrise Grading & Paving Dulian Gallagos	588 Lott Av Brentwood	925-9183173	Estimating Sunrise@gmail.com
ALL-AMERICAN CONSTRUCTION INC. PARKIN STOKES	2048 PASEO RD. LIVE OAK, CA 95553	530) 617-5111	dc@ALL-AMERICANCONSTRUCTIONINC.COM
Sinclair General Engineering Cody Butler	4842 Freeway Rd Cardale CA 95301	(209) 847-6100	Cbutler@sinclairconstruction.com
A.M. Stephens Construction Dustin	1717 Stockton St Lodi CA	209-992-0130	Jr@Amstephens.net
McFadden construction Kettering	7207 Murray Dr. Stockton CA 95210	209 478 7407	Dustin K@mcFaddenconstruction.com
Diede Construction	12343 N Hwy 99 #111 CA 95240	369-8255 209-665-2626	estimating@diiedeconstruction.com
Tom ASSENDOR	1117 WINDFIELD WAY #110 EDH 95762	916 985-1870	Tom Uceinc.com
Gary Purcell	2501 wigwam DR	209 743011	Mark @ Robert Burns construction.com
Jeff Culbertson	LUSD	209 810-8901	jculbertson@lodi.usd-net
JPB Designs Inc	5650 main ave orayente	916-529-6259	Art.jpbdesigns@gmail.com

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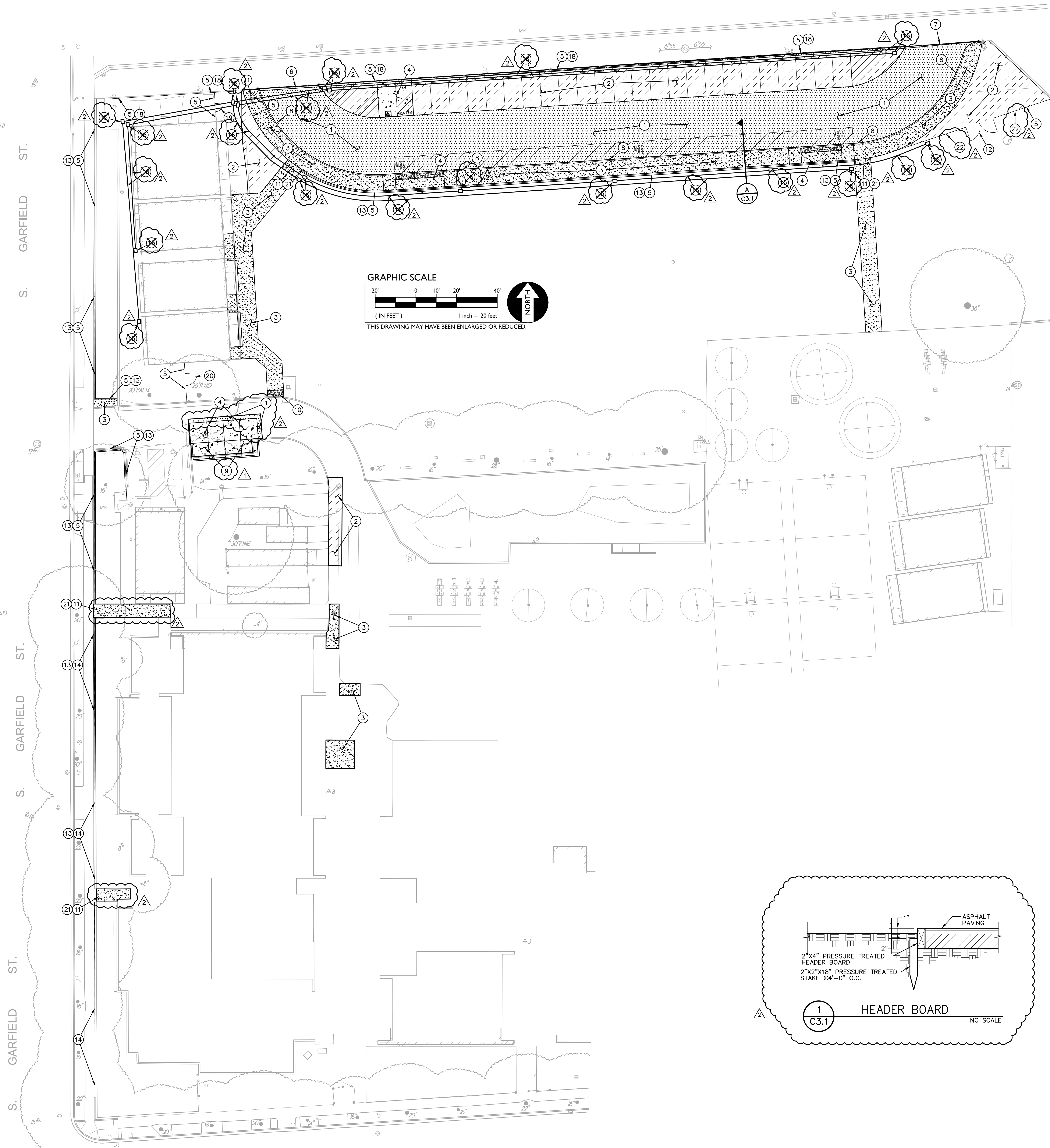


DEMOLITION NOTES

1. CLEAR AND GRUB TO EXTENTS SHOWN.
2. REMOVE EXISTING ASPHALT/CONCRETE PAVING AND AGGREGATE BASE. WHERE SAWCUT EDGES ARE SHOWN, THEY SHALL BE A NEAT STRAIGHT LINE. MAINTAIN CLEAN STRAIGHT CUT EDGE UNTIL NEW PAVING PLACED.
3. REMOVE EXISTING CHAIN LINK FENCE, GATES, POSTS AND ASSOCIATED FOOTINGS.
4. REMOVE EXISTING SIGN, POST HOLE AND FOOTING.
5. REMOVE EXISTING CONCRETE PARKING BUMPER.
6. REMOVE EXISTING CONCRETE MOW STRIP TO EXTENT SHOWN.
7. REMOVE EXISTING BACK STOP.
8. REMOVE EXISTING POST HOLE AND FOOTING.
9. REMOVE EXISTING BOLLARD.
10. REMOVE EXISTING CURB.
11. REMOVE EXISTING FENCE FABRIC. POLES TO REMAIN TO BE SLEEVED. REMOVE TOP RAIL.
12. ADJUST IRRIGATION HEADS AND PIPING TO ACCOMMODATE NEW PAVING.
13. REMOVE EXISTING MOW STRIP @ ALLEY.

C1.1	SHEET NO.	PROJECT: HERITAGE ELEMENTARY SCHOOL PAVING PHASE II LODI USD	CALIFORNIA SAN JOAQUIN CO.	 WARREN CONSULTING ENGINEERS, INC. 1117 WINCHESTER WAY, SUITE 110 EL DORADO HILLS, CA 95621 (916) 985-1870		DESIGNED:	TF	NO.	DESCRIPTION	DATE	BY	AGENCY APPROVAL	HORIZONTAL SCALE:	A/P/N.	BENCHMARK NO.	ELEV.		
						DRAWN:	ML	2	DSA COMMENTS ADDENDUM 2	1-27-20								
						CHECKED:	TF											
						DATE:	12-20-19											
						PROFESSIONAL ENGINEER												
						THOMAS E. ELLIOTT												
						NO. 42824												
						1/24/2020												
						WCE												
						WARREN CONSULTING ENGINEERS, INC.												
1117 WINCHESTER WAY, SUITE 110																		
EL DORADO HILLS, CA 95621 (916) 985-1870																		
CALIFORNIA																		
SAN JOAQUIN CO.																		

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PAVING GENERAL NOTES:

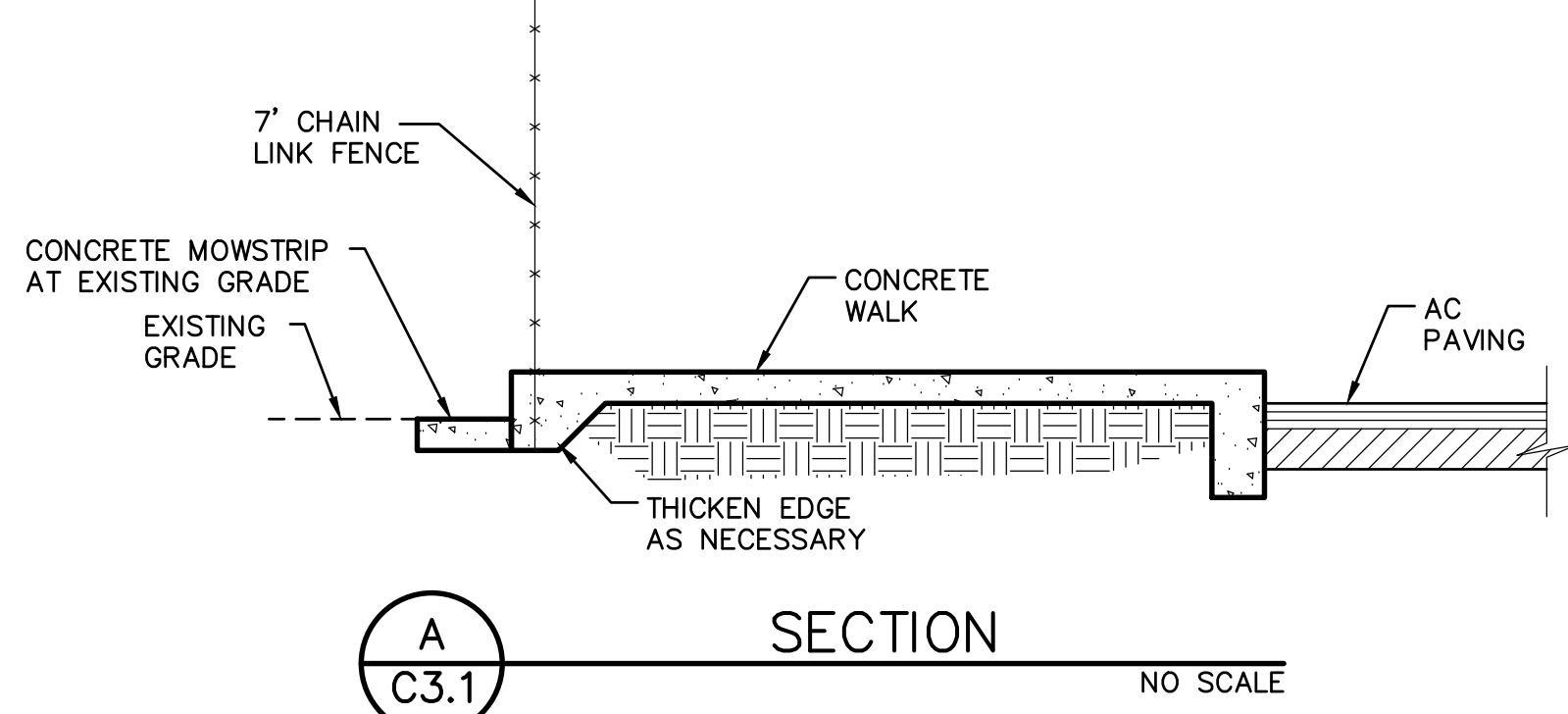
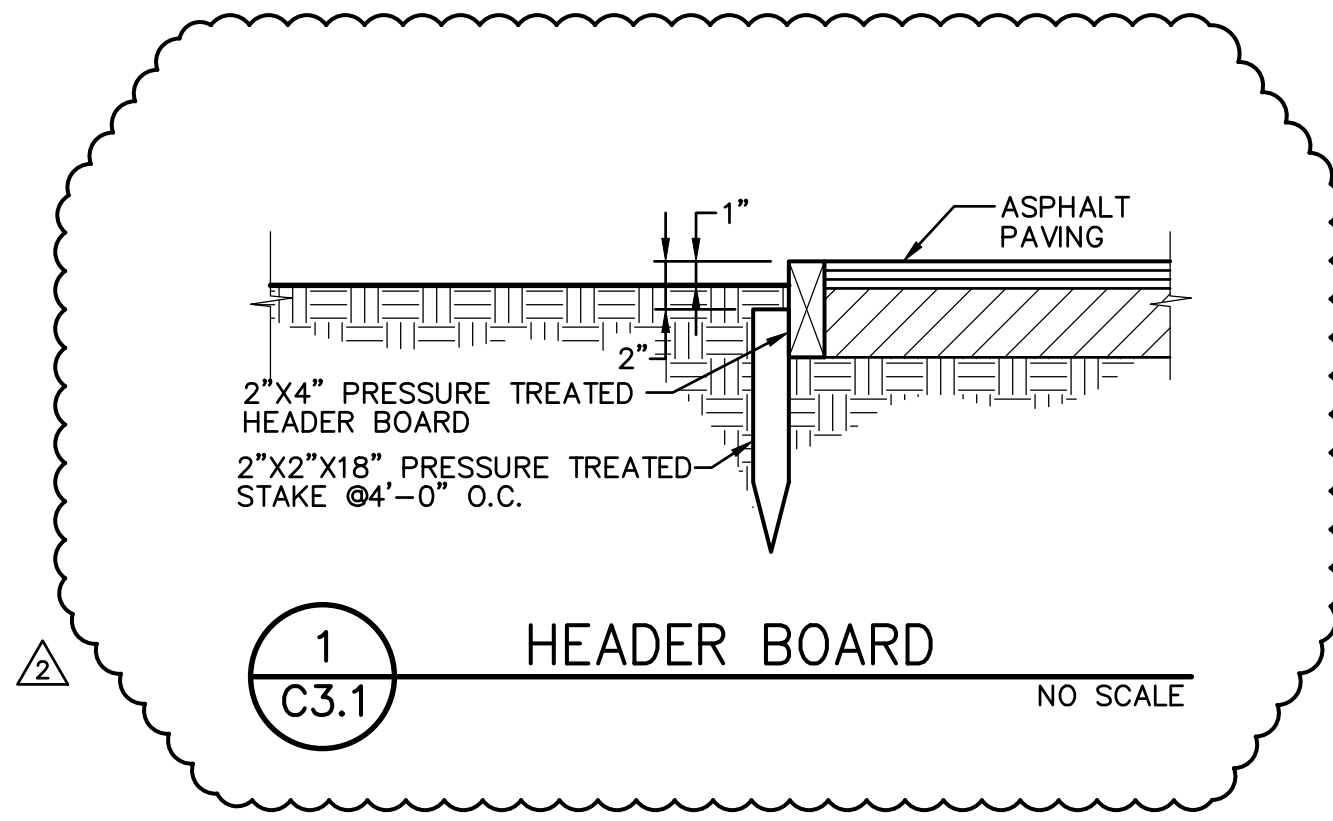
- ASPHALT MIX SHALL MEET CALTRANS SPECIFICATIONS FOR TYPE B ASPHALTIC CONCRETE. REFERENCE CALTRANS S AND PROJECT SPECIFICATIONS.
- AGGREGATE BASE SHALL MEET CALTRANS SPECIFICATIONS FOR CLASS II AGGREGATE BASE.
- ALL AGGREGATE BASE SHALL BE MOISTURE CONDITIONED TO, OR SLIGHTLY ABOVE, OPTIMUM MOISTURE CONTENT AND COMPACTED TO 95% RELATIVE COMPACTION.
- RECYCLED ASPHALT MAY BE USED AS CONCRETE AND ASPHALT BASE MATERIAL PROVIDED IT MEETS CITY OF SACRAMENTO SPECIFICATIONS FOR CLASS II AB.
- PAVEMENT SUBGRADE PREPARATION, I.E. SCARIFICATION, MOISTURE CONDITIONING, AND COMPACTION SHALL BE PERFORMED AFTER:
 - POT HOLEING ALL EXISTING UTILITIES
 - THE INSTALLATION OF UNDERGROUND UTILITIES AND TRENCHES BACKFILLED IN ACCORDANCE WITH THESE PLANS.
- ALL AREAS DISTURBED BY GRADING, DEMOLITION, OR CONSTRUCTION ACCESS, WHICH ARE NOT SURFACED BY THIS SET OF PLANS, OR LANDSCAPE PLANS, SHALL BE RESTORED.
- REFER TO GRADING PLANS FOR CURBS, CURB GUTTERS, VALLEY GUTTERS, AND OTHER CONCRETE STRUCTURES AND PAVING FEATURES NOT SPECIFICALLY NOTED ON THIS PLAN.
- ADJUST TO FINISH GRADE ALL BOXES, FRAMES, COVERS SLEEVES, POST HOLES, GRATES, ETC. FOUND IN NEW ASPHALT OR CONCRETE PAVING AREAS, WHICH ARE NOT NOTED FOR REMOVAL. CLEAN/OR REPLACE AS NECESSARY TO ENSURE PROPER SEATING.

PAVING LEGEND

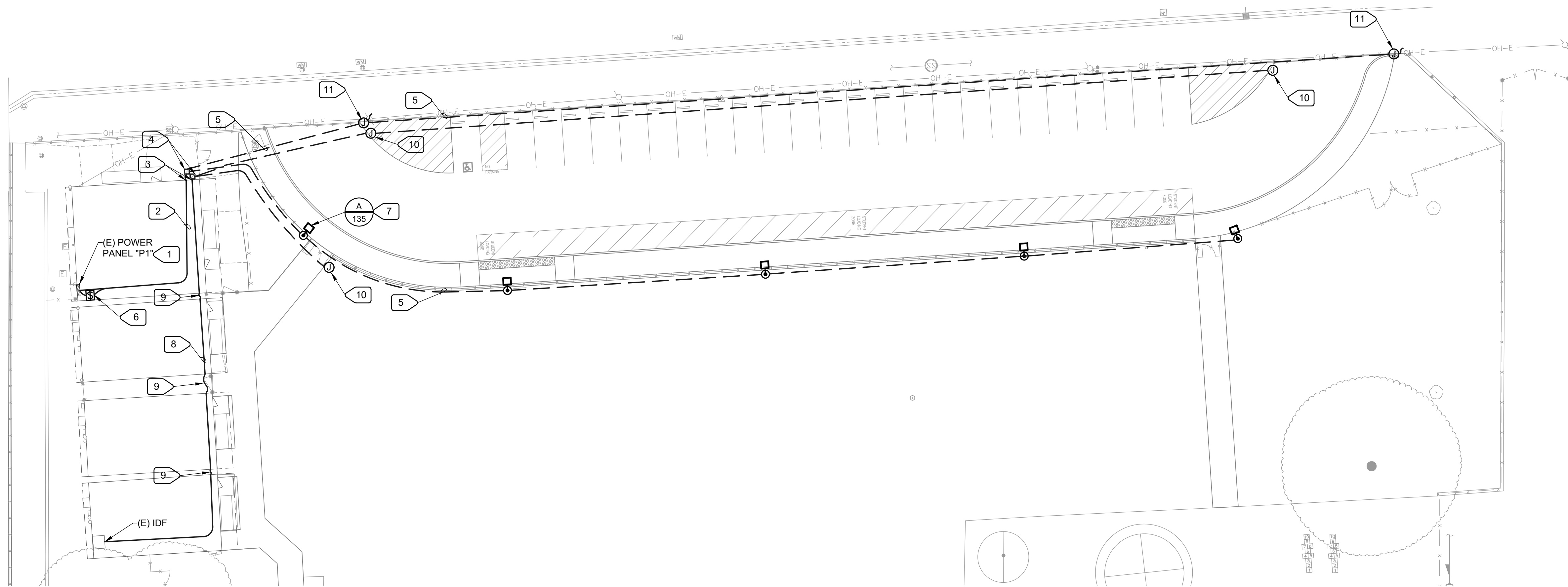
- | | |
|--|---|
| | 1 TYPE 1 PAVING
PLACE 3" AC OVER 4" CLASS II AB ON COMPACTED SUBGRADE |
| | 2 TYPE 2 PAVING
PLACE 3" AC OVER 4" CLASS II AB ON COMPACTED SUBGRADE |
| | 3 TYPE 3 PAVING
PLACE 5" PCC WITH #4 REBAR @ 18" O.C.E.W. ON 7 C5.1 COMPACTED SUBGRADE |
| | 4 TYPE 4 PAVING
PLACE 6" PCC WITH #4 REBAR @ 18" O.C.E.W. OVER 7 C5.1 CLASS II AB ON COMPACTED SUBGRADE |

CONSTRUCTION NOTES

- CONSTRUCT ACCESSIBLE LOADING 5 C5.1
- CONSTRUCT 7" CHAIN LINK FENCE W/1" MESH 1 C5.1
- CONSTRUCT 36" WIDE CHAIN LINK ROLLING GATE PER WITH LIFMASTER CSL24U SLIDE GATE OPERATOR MOTOR 13 C5.1 8 C5.1
- CONSTRUCT 36" WIDE CHAIN LINK ROLLING GATE PER WITH LIFMASTER CSL24U SLIDE GATE OPERATOR MOTOR 13 C5.1 8 C5.1
- CONSTRUCT CONCRETE CURB 6 C5.1
- CONSTRUCT TRASH ENCLOSURE 1 C5.1 2 C5.1 3 C5.1
- PLACE TRUNCATED DOMES IN TYPE 3 PAVING PER 4 C5.1
- CONSTRUCT 4' CHAIN LINK GATE PER 10 C5.1
- CONSTRUCT 14' CHAIN LINK GATE PER 11 C5.1
- CONSTRUCT 12" WIDE CONCRETE MOWSTRIP PER 16 C5.1 A C3.1
- SLEEVE EXISTING FENCE POSTS AND CONSTRUCT 7" CHAIN LINK FENCE W/1" MESH. PROVIDE NEW TOP RAIL. 15. PROVIDE CHRISTY N30 PULL BOX. 16. INSTALL 2 2" DIA. CONDUITS. 17. INSTALL 3 2" DIA. CONDUITS. 18. PROVIDE 4" CONCRETE FILLED POSTS @ 6' O.C. FOR ALLEY FENCE. 19. CONST. 4' MAINTENANCE GATE. 20. CONST. 6' MAINTENANCE GATE. 21. THERE SHALL BE A LEVEL LANDING EXTENDING 60" MIN. FROM BOTH SIDES OF GATE AND 24" MIN. FROM STRIKE SIDE OF GATE. 22. PROVIDE HEADER BOARD PER 1 C3.1



TITLE:	PROJECT:	SHEET NO.	PAVING PLAN	HERITAGE ELEMENTARY SCHOOL PAVING PHASE II LODI USD	SAN JOAQUIN CO., CALIFORNIA	DESIGNED: TF	NO.	DESCRIPTION	DATE	AGENCY APPROVAL	DATE	BY	HORIZONTAL SCALE:	AS NOTED	VERTICAL SCALE:	JOB NO.:	BENCHMARK NO.	ELEV.
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1 PARTIAL SITE PLAN - ELECTRICAL

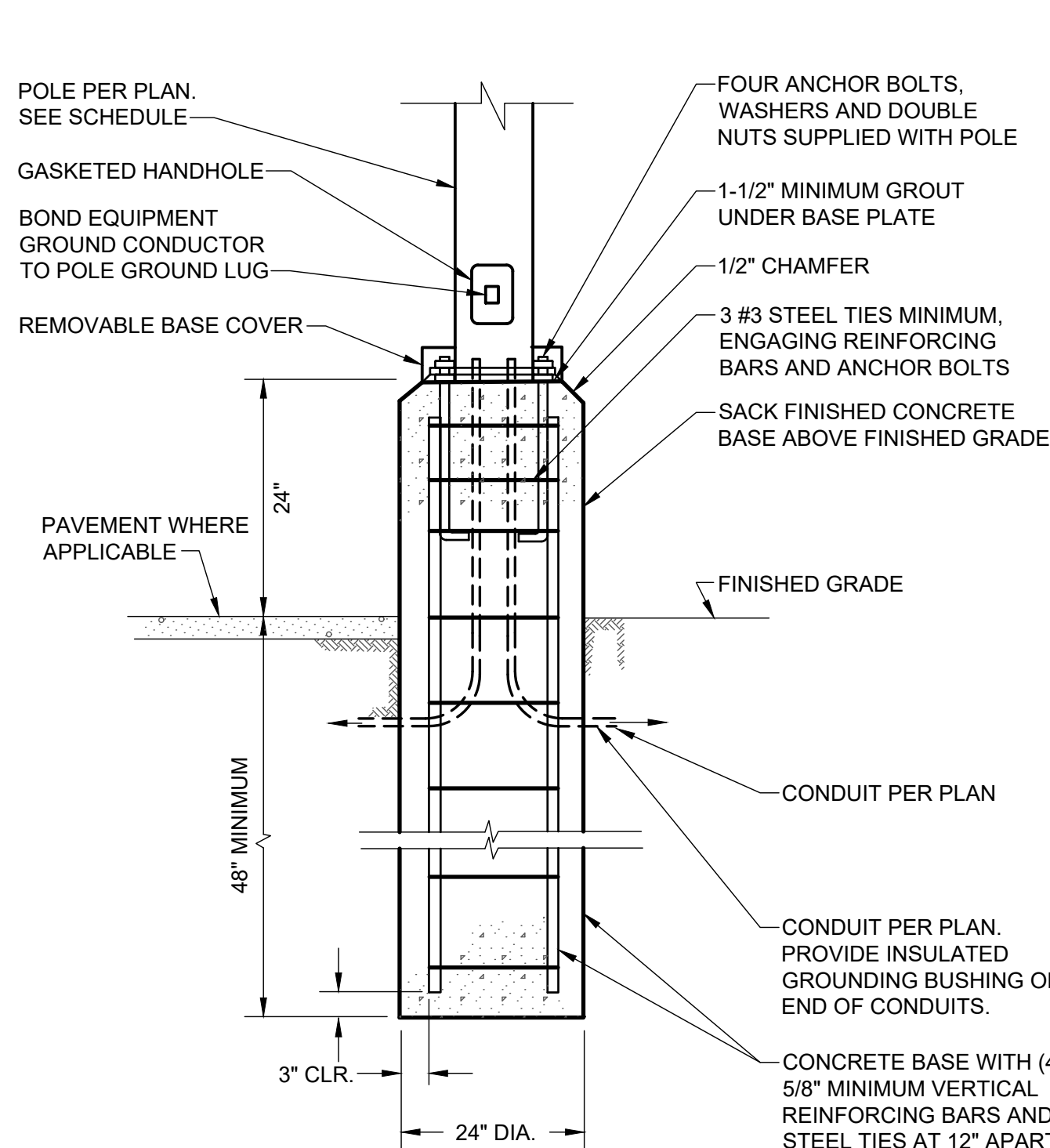
E100 SCALE : 1" = 20'-0"

LUMINAIRE SCHEDULE

TYPE	MANUFACTURER CATALOG NO.	VOLTAGE DESCRIPTION	LAMP DESCRIPTION	MOUNTING	REMARK NOTE No.
A	GARDCO ECP-S-48L-900-NW-G2-AR- 3-120V-BL-IMR13-BK	120 VOLT PARKING LOT LIGHT	LED, 135 WATTS	POLE MONTED	①

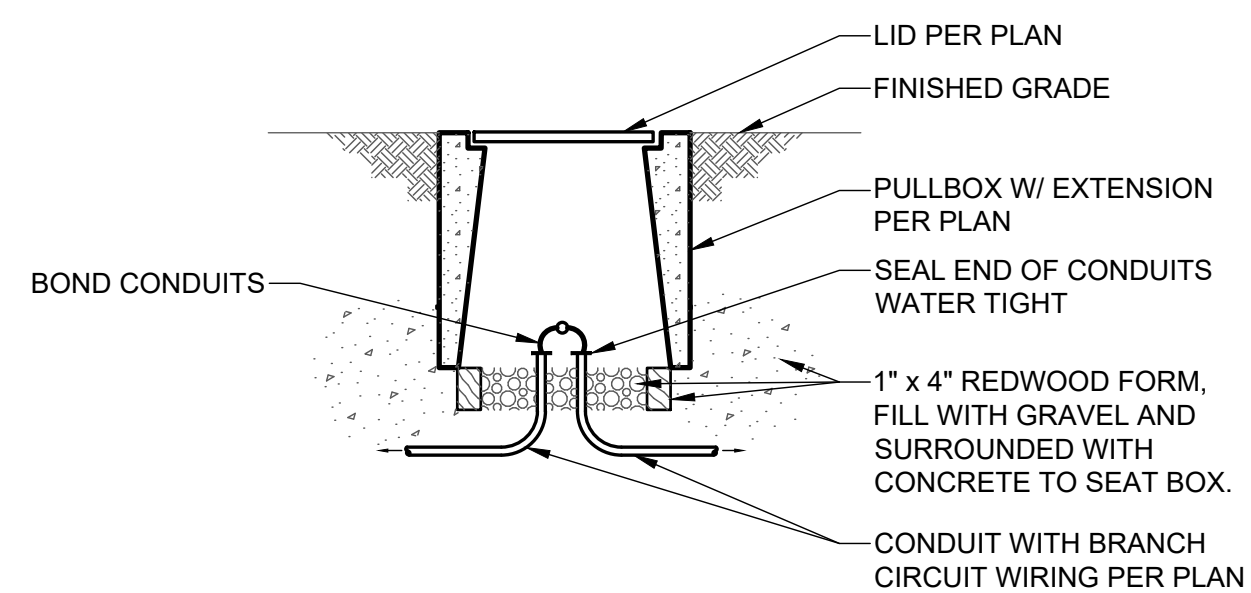
LUMINAIRE SCHEDULE REMARK NOTES:

① PROVIDE WITH STEEL POLE, 4" SQUARE, 20' HIGH, PAINTED TO MATCH FIXTURE.



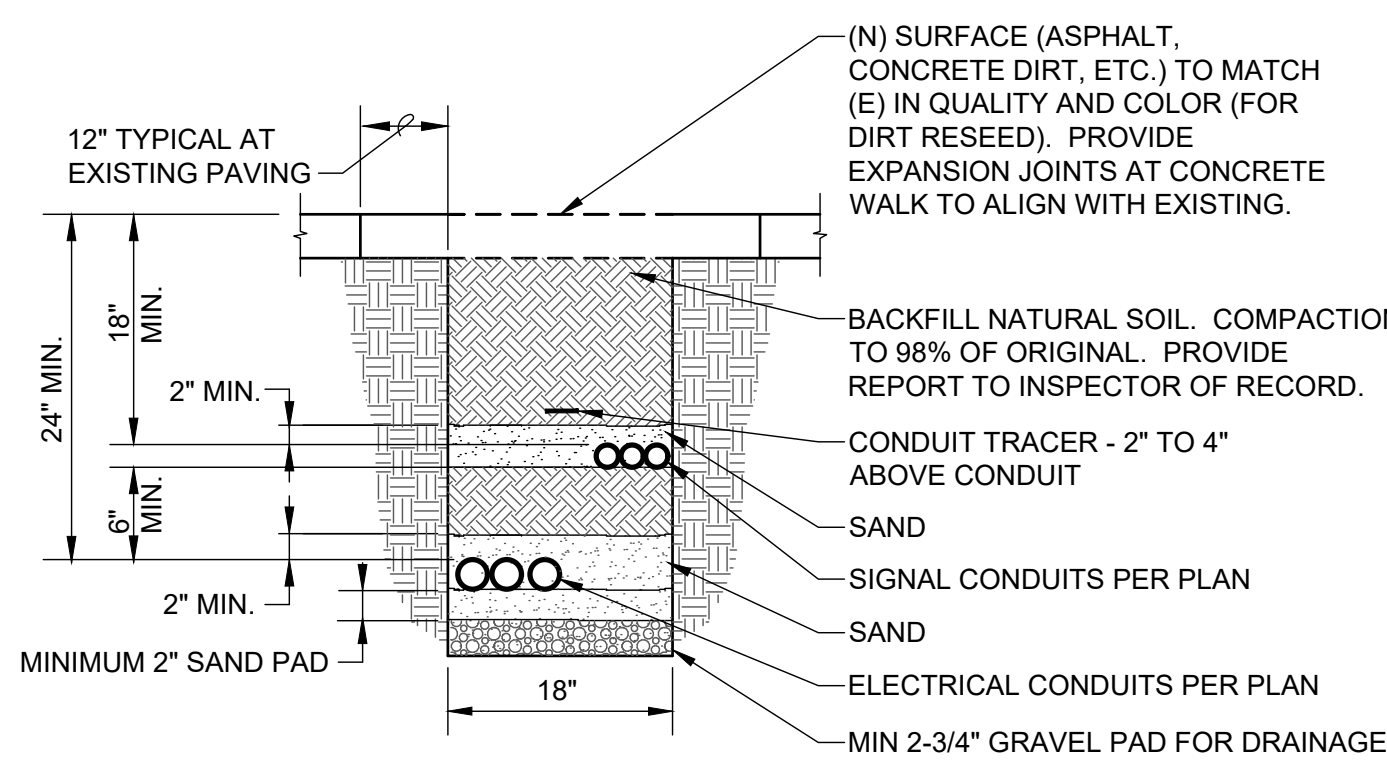
2 POLE BASE MOUNTING DETAIL

E100 NO SCALE



3 UNDERGROUND PULL BOX

E100 NO SCALE



4 CONDUIT TRENCHING DETAIL

E100 NO SCALE E705 12/28/11

ELECTRICAL SYMBOL LIST

☉	ONE-ARM BRACKET LUMINAIRE, WITH POLE AND BASE
Ⓢ	ASTRONOMICAL TIME SWITCH
---	CONDUIT RUN CONCEALED IN CEILINGS OR WALLS OR EXPOSED ABOVE GROUND. FOR CONCEALED CONDUITS PROVIDE EMT CONDUITS. FOR EXPOSED CONDUITS PROVIDE RIGID STEEL CONDUIT. WIRING SHALL BE SIZE AS DESCRIBE ON THE PLAN. PROVIDE COPPER WIRE WITH THHN TYPE INSULATION.
---	CONDUIT RUN UNDERGROUND. PROVIDE SCHEDULE 40 OR SCHEDULE 80 PVC TYPE CONDUITS. WIRING SHALL BE SIZE AS DESCRIBE ON THE PLAN. PROVIDE COPPER WIRE WITH XHHW-2 OR THWN-2 TYPE INSULATION.
⌈	EXISTING PANELBOARD - FLUSH MOUNTED
1	DRAWING SHEET NUMBERED NOTE DESIGNATION - APPLIES TO NUMBERED NOTE ON SAME SHEET

SYMBOL LIST NOTES:

- EXISTING ELECTRICAL EQUIPMENT, OUTLETS, AND DEVICES ARE SHOWN THE SAME AS NEW, EXCEPT LIGHTLY AND ACCOMPANIED BY (E). SUCH ELECTRICAL EQUIPMENT, OUTLETS, AND DEVICES ARE TO REMAIN AS IS, UNLESS OTHERWISE NOTED ON PLAN OR SPECIFICATION.
- VERIFY ON SITE THAT ALL PANELBOARDS HAVE MINIMUM WORKING SPACES PER CODE AND THAT THE DEDICATED PANELBOARD SPACES ARE CLEAR OF ALL DUCTS, PIPING AND EQUIPMENT FOREIGN TO THE PANEL BOARDS. NOTIFY THE ENGINEER FOR CORRECTIVE ACTION IN THE EVENT THAT FOREIGN OBJECTS IMPEDE THE DEDICATED PANELBOARD AREAS.
- WHERE CONDUIT STUB IS INDICATED, PROVIDE CONDUIT WITH BUSHING AT THE END OF CONDUIT AND PULL ROPE INTO ACCESSIBLE CEILING AREA.

EXISTING PANEL "P1" SCHEDULE

POWER SOURCE:					LOCATION: REFER TO PLAN				
TYPE:	BUS:	MAIN BKR:	VOLTAGE:	MOUNTING:	FLUSH:	PNL TYPE:	REMARKS:		
	250	200A	120/240 VOLT, 1 PHASE, 3 WIRES	FLUSH		NEMA 1	22k AIC MIN. SYMM.		
LOAD SERVED	kVA	CB	CKT	PHASE	CKT	CB	kVA	LOAD SERVED	
LIGHTS	0.5	15/1	1	A	2	15/1	4.0	SPARE	
LIGHTS	0.5	15/1	3	B	4	50/2	4.0	HVAC	
RECEPTACLES	0.8	15/1	5	A	6		4.0		
RECEPTACLES	0.8	15/1	7	B	8	15/1	0.8	RSECEPTACLES	
RECEPTACLES	0.8	15/1	9	A	10	15/1	0.8	RECEPTACLES	
LIGHTS	0.8	15/1	11	B	12	20/1	1.0	RECEPTACLES	
OUTSIDE LIGHTS EXIT LT.	0.5	15/1	13	A	14	20/1	1.0	RECEPTACLES	
RECEPTACLES	0.8	15/1	15	B	16	20/1	1.0	RECEPTACLES	
RECEPTACLES	0.8	15/1	17	A	18	20/1	1.0	RECEPTACLES	
RECEPTACLES	0.8	15/1	19	B	20	15/1	0.8	RECEPTACLES	
WATER HEATER	2.3		21	A	22	15/1	0.8	RECEPTACLES	
	2.3	30/2	23	B	24	20/1	1.0	FREEZER	
(N) PARKING LIGHTS	0.7	(N) 20/1	25	A	26	15/1	0.8	RECEPTACLES	
(N) GATE MOTORS	1.0	(N) 20/1	27	B	28	PFB		SPACE	
SPACE		PFB	29	A	30	PFB		SPACE	
NOTE(S):									
1. ALL CIRCUIT BREAKERS SHOWN ARE EXISTING, UNLESS NOTED OTHERWISE.								PHASE A =	14.8 kVA
2. INSTALL NEW CIRCUIT BREAKER WITH ALL MOUNTING HARDWARE TO MATCH EXISTING TYPE AND KAIC RATING.								PHASE B =	15.6 kVA
3.								TOTAL =	30.3 kVA
								TOTAL =	126.4 Amperes

NUMBERED NOTES:

- PROVIDE (2) (N) 20/1 CKT. BRKR. IN (E) SPACES. REFER TO PANEL SCHEDULE.
- (2) 3/4"C-2#10, 1#10G. RUN ABOVE CEILING.
- RUN CONDUITS DOWN WALL, THAN UNDERGROUND.
- PROVIDE (2) CHRISTY N16 PULLBOXES, ONE FOR POWER, OTHER FOR CONTROL WIRING FOR CARD READERS. PROVIDE W/ CONCRETE LID WITH HOLD DOWN BOLTS.
- 3/4"C-2#10, 1#10G.
- PROVIDE ASTRONOMICAL TIME SWITCH WITH (8) PROGRAMMABLE SCHEDULE, 72 HOURS POWER BACKUP, WATTSTOPPER RT-200 OR SIMILAR. MOUNT SUCH THAT IT IS ACCESSIBLE ONLY TO DESIGNATED PERSONNEL.
- MOUNT PER DETAIL. TYPICAL FOR (5) FIXTURES.
- 1"C.O. FOR CONTROL WIRING FOR CARD READERS. PROVIDE WITH PULL STRING.
- SPAN SPACE BETWEEN PORTABLES USING 1" WATHER TIGHT FLEX CONDUIT.
- PROVIDE 4" SQUARE BOX FOR CARD READER. COORDINATE EXACT LOCATION AND OTHER REQUIREMENTS BEFORE ROUGH IN.
- PROVIDE FOR AND CONNECT GATE OPENER MOTOR. COORDINATE BEFORE ROUGH IN.

GENERAL NOTES:

THE INTENT OF THE DRAWINGS IS TO PROVIDE (N) PARKING LIGHTS, ASSOCIATED CONTROLLER AND INFRASTRUCTURE FOR (N) CARD REDERS, IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).

THE DRAWINGS REPRESENT THE GRAPHIC PICTORIAL PORTIONS OF THE WORK. THE WORK (MEANING ALL MATERIALS, CONSTRUCTION METHODS, AND SERVICES NECESSARY TO COMPLETE THE TOTAL CONSTRUCTION PROJECT) SHALL BE INCLUDED IN THE CONTRACTOR'S BID. THE WORK, INCLUDING DIMENSIONS, QUALITY AND WORKMANSHIP, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

PERFORM ALL WORK IN ACCORDANCE WITH THE FOLLOWING CODES:

- CALIFORNIA ELECTRICAL CODE (CEC) WITH AMENDMENTS, THE NATIONAL FIRE PROTECTION ASSOCIATION NFPA NO. 70-2013, NATIONAL ELECTRICAL CODE (NEC), AND THE CALIFORNIA CODE OF REGULATIONS, TITLE 24 STATE BUILDING STANDARDS, PART 3, BASIC ELECTRICAL REGULATIONS.
- CALIFORNIA BUILDING CODE (CBC) WITH AMENDMENTS, THE INTERNATIONAL BUILDING CODE (IBC) AND THE CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 2.
- TITLE 19, CALIFORNIA CODE OF REGULATIONS, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
- STATE OF CALIFORNIA, TITLE 24, STATE BUILDING STANDARDS, PART 6, CALIFORNIA ENERGY CODE.
- ALL APPLICABLE STATE LOCAL CODES AND REGULATIONS.

ALL MATERIAL AND EQUIPMENT SHALL BE UL LISTED, LABELED, OR CERTIFIED FOR INTENDED USE BY A NATIONAL RECOGNIZED TESTING LABORATORY (NRTL) AS RECOGNIZED BY THE U.S. DEPARTMENT OF LABOR IF SUCH LISTING IS AVAILABLE FOR THAT TYPE OF MATERIAL OR EQUIPMENT. MATERIAL AND EQUIPMENT SHALL BEAR THE LISTING STICKER IN AN ACCESSIBLE LOCATION. PROVIDE NEW MATERIAL OF THE QUALITY SPECIFIED AND SATISFACTORY TO THE ENGINEER.

DATA GIVEN HEREIN AND ON THE PLANS ARE AS EXACT AS COULD BE PRACTICALLY SECURED, BUT THEIR ABSOLUTE ACCURACY IS NOT GUARANTEED. PLANS AND SPECIFICATIONS ARE FOR THE ASSISTANCE AND GUIDANCE OF THE CONTRACTOR AND EXACT LOCATIONS, DISTANCES, LEVELS, OBSTRUCTIONS, EXISTING CONDITIONS AND OTHER DATA WILL BE GOVERNED BY THE STRUCTURES.

LAYOUTS OF EQUIPMENT, ACCESSORIES, AND WIRING SYSTEMS ARE DIAGRAMMATIC BUT SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE. EXAMINE ARCHITECTURAL, AND OTHER DRAWINGS, NOTING ALL CONDITIONS THAT MAY AFFECT THIS WORK. REPORT CONFLICTING CONDITIONS TO THE ENGINEER FOR ADJUSTMENT BEFORE PROCEEDING WITH THE WORK. SHOULD THE CONTRACTOR PROCEED WITH WORK WITHOUT PROPER AUTHORIZATION OR WITHOUT REPORTING THE MATTER, HE DOES SO AT HIS OWN RISK. IF THE ENGINEER DETERMINES THAT CORRECTIONS ARE NEEDED BECAUSE OF THE CONTRACTOR'S ACTIONS, THEY SHALL BE MADE AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

FIRMLY AND PERMANENTLY SECURE IN PLACE ALL ELECTRICAL EQUIPMENT TO THE STRUCTURE SO THAT IT IS LEVEL, PLUMB, AND TRUE WITH THE STRUCTURE AND OTHER EQUIPMENT, AND INSTALLED SUCH THAT IT WILL RESIST SEISMIC MOVEMENT. PERFORM ALL INSTALLATIONS IN ACCORDANCE WITH APPLICABLE CODES, STANDARDS (E.G., UL STANDARDS), MANUFACTURER'S INSTRUCTIONS, DRAWINGS AND SPECIFICATIONS AND WITH THE METHODS RECOMMENDED BY THE NATIONAL ELECTRICAL CONTRACTORS' STANDARD OF INSTALLATION. NOTIFY THE ENGINEER OF ANY CONFLICTS BETWEEN THE DRAWINGS AND SPECIFICATIONS AND THE ABOVE PRIOR TO THE INSTALLATION OF MATERIALS.

CAUSE AS LITTLE INTERFERENCE OR INTERRUPTION OF EXISTING UTILITIES AND SERVICES AS POSSIBLE. SCHEDULE ANY POWER OR OTHER UTILITY SHUTDOWN WITH OWNER'S REPRESENTATIVE FOR APPROVAL TWO WEEKS PRIOR TO COMMENCEMENT OF WORK. SHUTDOWN WORK SHALL BE PERFORMED ON OVERTIME HOURS IF SO DIRECTED BY THE OWNER.

ALL UL LISTED, NRTL, OR OTHER LISTED EQUIPMENT SHALL BE INSTALLED AS PER LISTING OR LABELING (I.E., MAXIMUM FUSE SIZE MEANS FUSE PROTECTION REQUIRED).

EXAMINE THE SITE PRIOR TO BID TO DETERMINE EXISTING SITE CONDITIONS, WHICH MAY AFFECT THE WORK. NO ALLOWANCE WILL BE ALLOWED FOR ANY EXTRA WORK REQUIRED DUE TO A FAILURE TO RECOGNIZE OR NEGLIGENCE TO DISCOVER CONDITIONS PRIOR TO BID.

INSTALL NAMEPLATES ON CIRCUIT BREAKERS AND SWITCHES, WHETHER PROVIDED UNDER THIS DIVISION OR SOME OTHER.

TEST GROUNDING SYSTEMS, FOR RESISTANCE TO EARTH. PROVIDE ADDITIONAL GROUNDING ELECTRODES, IF GROUND RESISTANCE EXCEEDS 5 OHMS.

PERFORM ALL TESTS SUGGESTED BY THE EQUIPMENT MANUFACTURERS.

VERIFY THAT EVERYTHING INSTALLED AS PART OF THE SCOPE OF WORK FUNCTIONS PROPERLY. VERIFY THAT ANY WORK PERFORMED DID NOT ADVERSELY AFFECT EXISTING SYSTEMS OR EQUIPMENT.