Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED ELECTRICAL ENGINEER ____ DATE ____

PLANS APPROVAL DATE ____

REGISTERED PROFESSIONAL ENGINEER — No. ____ Exp. ____ ELECTRICAL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

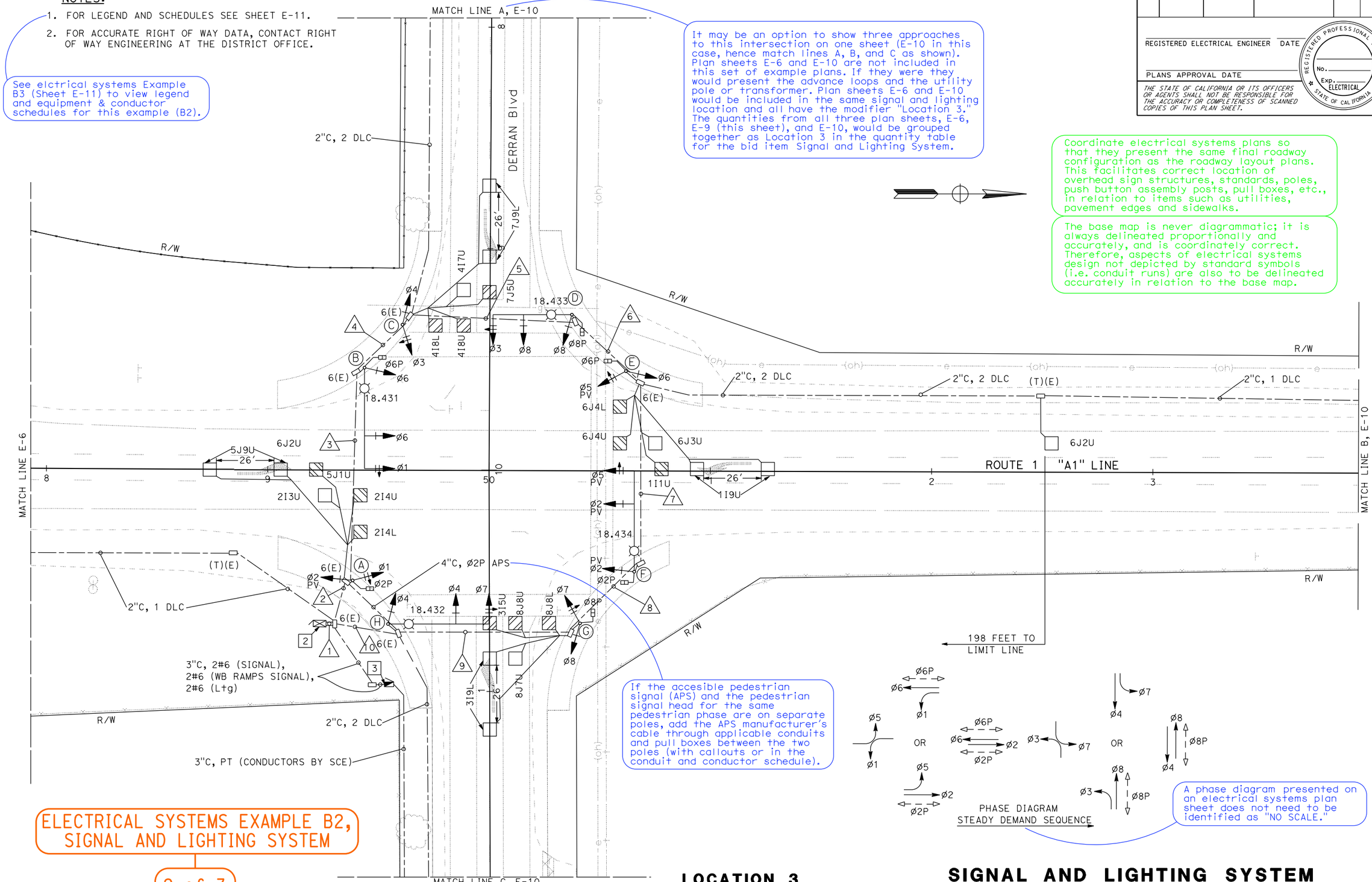
1. FOR LEGEND AND SCHEDULES SEE SHEET E-11.
2. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

See elctrical systems Example B3 (Sheet E-11) to view legend and equipment & conductor schedules for this example (B2).

It may be an option to show three approaches to this intersection on one sheet (E-10 in this case, hence match lines A, B, and C as shown). Plan sheets E-6 and E-10 are not included in this set of example plans. If they were they would present the advance loops and the utility pole or transformer. Plan sheets E-6 and E-10 would be included in the same signal and lighting location and all have the modifier "Location 3." The quantities from all three plan sheets, E-6, E-9 (this sheet), and E-10, would be grouped together as Location 3 in the quantity table for the bid item Signal and Lighting System.

Coordinate electrical systems plans so that they present the same final roadway configuration as the roadway layout plans. This facilitates correct location of overhead sign structures, standards, poles, push button assembly posts, pull boxes, etc., in relation to items such as utilities, pavement edges and sidewalks.

The base map is never diagrammatic; it is always delineated proportionally and accurately, and is coordinately correct. Therefore, aspects of electrical systems design not depicted by standard symbols (i.e. conduit runs) are also to be delineated accurately in relation to the base map.



If the accesible pedestrian signal (APS) and the pedestrian signal head for the same pedestrian phase are on separate poles, add the APS manufacturer's cable through applicable conduits and pull boxes between the two poles (with callouts or in the conduit and conductor schedule).

PHASE DIAGRAM
STEADY DEMAND SEQUENCE

A phase diagram presented on an electrical systems plan sheet does not need to be identified as "NO SCALE."

ELECTRICAL SYSTEMS EXAMPLE B2, SIGNAL AND LIGHTING SYSTEM

2 of 3

LOCATION 3

APPROVED FOR ELECTRICAL WORK ONLY

SIGNAL AND LIGHTING SYSTEM

SCALE: 1" = 20'

E-9

EXAMPLE B2 SIGNAL AND LIGHTING SYSTEM - RELEASED 2/02/2017

LAST REVISION 03-14-16 | DATE PLOTTED => 02-FEB-2017 | TIME PLOTTED => 08:44

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® **ELECTRICAL DESIGN**

BORDER LAST REVISED 7/2/2010 | USERNAME => s136641 | DGN FILE => example B2-ua_009.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1313 | PROJECT NUMBER & PHASE 13000101101