

B.K. WELLINGTON

Engineering, Inc.

July 29, 2020
BKWE # 20.236-01

Trench & Traffic Supply
2175 Acoma Street
Sacramento, CA 95815

To: John Harrah

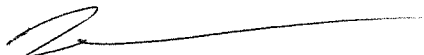
RE: Teichert Pipeline
Pacific Gas & Electric Company
Gas Pipeline Project
State of California
Minimum Edge Overlap

John,

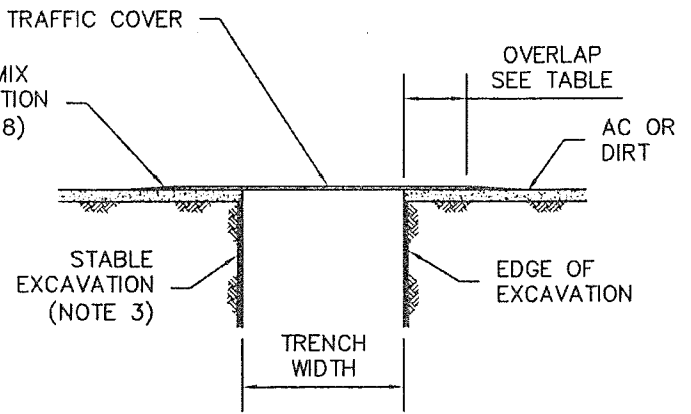
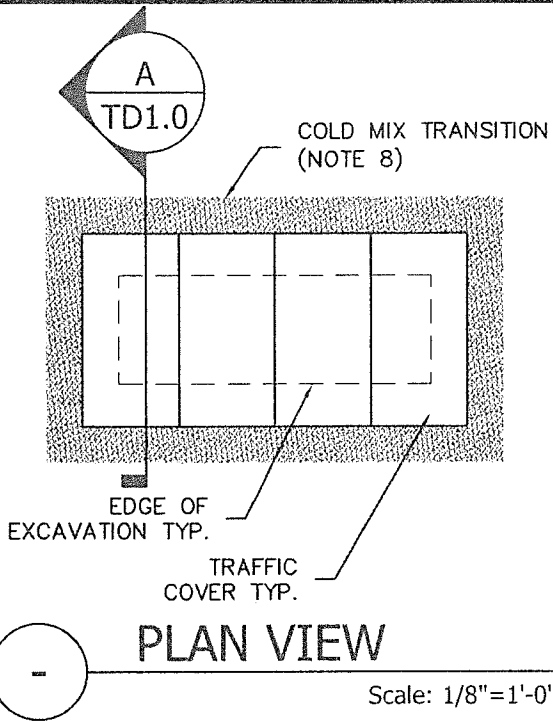
After reviewing the manufactures tabulated data for the Traffic Cover Steel Plate (attached) and previous work and designs for traffic covers, we have determined that it would be acceptable to have the minimum overlap for the plate on two opposing sides of the excavation. The remaining two sides, if they can have overlap, may be half the required overlap. This is acceptable provided that all other parameters of the tab data are met. The plate must not be able to move in any direction. Note on a continuous trench application that only the opposing sides of the trench that the plate is spanning must meet the minimum overlap requirements.

If you have comments or questions, please do not hesitate to contact me.

Sincerely,



Brian Wellington P.E.



A SECTION
Scale: 3/16"=1'-0"

TRENCH WIDTH TABLE		
PLATE THICKNESS (INCHES)	TRENCH WIDTH (SPAN)	
	A/C EDGE	DIRT EDGE
3/4"	2'-6"	1'-9"
7/8"	3'-5"	2'-8"
1"	4'-6"	3'-9"
1-1/4"	7'-0"	6'-3"
1-1/2"	10'-0"	9'-3"
2"	15'-0"	14'-3"

EDGE OVERLAP TABLE		
SURFACE CONTACT	TRAFFIC SPEED (MPH)	MIN. OVERLAP (INCHES)
ASPHALT	UNDER 45	12
ASPHALT	OVER 45	18
DIRT	UNDER 45	24

GENERAL NOTES:

1. TRENCH WIDTH (SPAN) IS DESIGNED BASED ON THE HS20-44 LOADING PER CALTRANS BRIDGE DESIGN SPECIFICATION (FEBRUARY 2004) SECTION 3. ANY WIDTH EXCEEDING THE TRENCH WIDTH TABLE WILL REQUIRE ENGINEERING.
2. TRAFFIC COVER MAY REQUIRE ANCHORAGE WHEN SPEEDS ARE GREATER THAN 50 MPH. THIS ANCHORAGE MAY ALSO BE REQUIRED ON SLOPES STEEPER THAN 5%. REQUIREMENTS IN ACCORDANCE WITH COMPETENT PERSON, ENGINEER, AND/OR LOCAL REQUIREMENTS.
3. THE TABLES ARE VALID ONLY IF THE EXCAVATION IS STABLE. THE STABILITY OF THE EXCAVATION CAN BE DETERMINED BY COMPETENT PERSON OR ENGINEER.
4. TRAFFIC COVERS MUST BE PLACED WITH POSITIVE CONTACT ON ALL SUPPORTING SIDES TO STOP MOVEMENT FROM ANY TRAFFIC DEFLECTION. AN ACCEPTABLE METHOD CAN BE USED. AN ACCEPTABLE METHOD IS COLD MIX PATCH TO DISPLACE ANY VOIDS BETWEEN THE COVER AND SUPPORTING SIDES.



Know what's below.
Call 811 before you dig.

REVISED :

MANUFACTURES TABULATED DATA SHEET

B.K. WELLINGTON
Engineering, Inc.

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TRAFFIC COVER
STEEL PLATE
MANUFACTURES TABULATED DATA
TRENCH PLATE

Trench & Traffic
SUPPLY

SHEET NO. TD1.0
1 OF 2
DATE 07/06/17
DRAWN BKW
JOB NO. 17.196-01