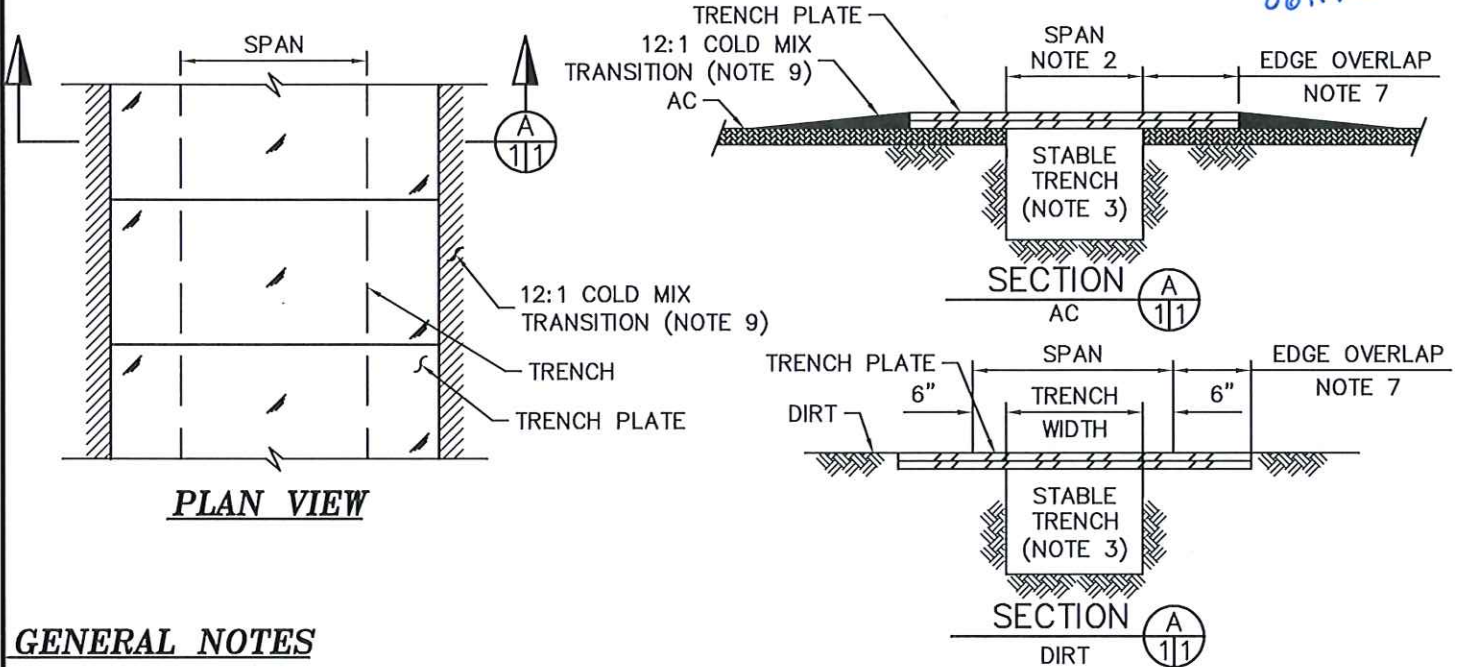


HS-20 LOADING (32,000 LBS AXEL LOAD)

PLATE THICKNESS	MAX ALLOWABLE SPAN
SINGLE 1"	4'-6"
SINGLE 1.5"	10'-0"
1" OVER 1"	8'-3"
1" OVER/UNDER 1.5"	13'-6"
1.5" OVER 1.5"	15'-6"

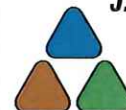


GENERAL NOTES

1. PLATES ARE ASTM A36 MIN. STEEL, $F_y = 36$ KSI.
2. SPAN OR TRENCH WIDTH IS DESIGNED FOR HS-20 LOADING. ANY SPACE EXCEEDING TABLE REQUIRES ENGINEERING.
3. CHART IS BASED ON STABLE TRENCH. STABILITY TO BE DETERMINED BY COMPETENT PERSON OR ENGINEER.
4. PLATES MUST BE PLACED WITH POSITIVE CONTACT ON ALL SUPPORTING SURFACES AS TO PREVENT ACCIDENTAL MOVEMENT FROM TRAFFIC DEFLECTION (COLD PATCH CAN BE USED TO DISPLACE ANY VOIDS BETWEEN THE PLATE AND SUPPORTING SURFACE).
5. PLATES MAY REQUIRE ANCHORAGE WHEN SPEEDS EXCEED 45 MPH OR ON SLOPES GREATER THAN 5% (IN ACCORDANCE WITH LOCAL REQUIREMENTS, COMPETENT PERSON, OR ENGINEER).
6. EDGE OVERLAP SHALL BE AS FOLLOWS:
 - a. ASPHALT-TRAFFIC SPEED UNDER 45 MPH; TRENCH WIDTH + 24" MIN. (12" EA. PER SIDE)
 - b. ASPHALT-TRAFFIC SPEED OVER 45 MPH; TRENCH WIDTH + 48" MIN. (24" EA. PER SIDE)
 - c. DIRT-TRAFFIC SPEED UNDER 45 MPH; TRENCH WIDTH + 48" MIN. (24" EA. PER SIDE)
7. PLATES USED ON DIRT WITH TRAFFIC SPEED EXCEEDING 45 MPH REQUIRES ENGINEERING.
8. PLATES USED ON A/C WITH TRAFFIC SPEED EXCEEDING 55 MPH REQUIRES ENGINEERING.
9. THERE SHOULD BE A MINIMUM OF 12:1 GRADIENT COLD MIX TRANSITION RAMP ALL AROUND.
10. STEEL PLATES SHALL HAVE A NON-SKID SURFACE WITH A DYNAMIC COEFFICIENT OF FRICTION OF 0.35 PER CALIFORNIA TEST METHOD NO. 325 OR EQUIVALENT SKID NUMBER OF 0.35 AS TESTED PER ASTM E274.



TABULATED DATA
SINGLE PLATE AND
STACKED PLATE TRENCH COVER
CALIFORNIA



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DATE:
06/19/25

REVISIONS:

DRAWING NO:
21914-1/ P1