



## CITY OF MILLBRAE \* STANDARD PLANS

NO.	REVISIONS	DATE	FIBER MICROTRENCH DETAIL			APPROVED
						 City Engineer
DRAWN	SS	CHECKED	DATE	SCALE	SHEET	DWG. NO.
		AZ/NT	12/2024	NOT TO SCALE	1 OF 2	R-15

## GENERAL NOTES

1. INSTALLED FIBER BROADBAND SHALL BE IN ACCORDANCE WITH GOVERNMENT CODE 65964.5 (SB 378, 2021).
2. ALL TELECOMMUNICATION INFRASTRUCTURE IMPROVEMENTS SHALL COMPLY WITH THE CITY OF MILLBRAE MUNICIPAL CODE CH. 8.35 TELECOMMUNICATIONS INFRASTRUCTURE.
3. MICRO TRENCHING SHALL ONLY BE USED TO INSTALL TELECOMMUNICATION CONDUITS IN ASPHALT CONCRETE ROADWAYS. MICRO TRENCHING IS NOT ALLOWED ON OR THROUGH CONCRETE BASE STREETS, SIDEWALKS, PARKWAYS, CURBS, OR GUTTERS.
4. THE INSTALLATION OF FIBER IS PROHIBITED IN AREAS WHERE EXISTING FIBER IS ALREADY INSTALLED. THE INSTALLATION OF FIBER IS PROHIBITED WHERE IN-GROUND DETECTOR LOOPS EXIST AT INTERSECTIONS.
5. CONTRACTOR SHALL IDENTIFY ALL EXISTING UTILITIES, INCLUDING SERVICE CONNECTIONS, IN THE FIELD.
  - 5.1. CONTACT UNDERGROUND SERVICE ALERT (U.S.A.) BY CALLING 8-1-1 AT LEAST 48 HOURS PRIOR TO THE START OF WORK.
  - 5.2. CONTRACTOR SHALL USE MOBILE GROUND PENETRATING RADAR TO SUPPLEMENT THE U.S.A INFORMATION.
  - 5.3. CONTRACTOR SHALL POTHOLE ANY CROSSING UTILITY OR PARALLEL UTILITY WITHIN 18 INCHES OF THE PROPOSED ALIGNMENT TO A DEPTH OF 6 INCHES BELOW THE BOTTOM OF THE MICRO TRENCH. POTHOLES SHALL BE IMMEDIATELY BACKFILLED. REFER TO THE CITY STANDARD DETAIL R-13 POT HOLE RESTORATION.
6. A "T" CUT SHALL CONSIST OF A MINIMUM OF 4" OR THE EXISTING PAVEMENT SECTION PLUS 1" (WHICHEVER IS GREATER), GRIND AND REPAVE WITH HOT-MIX ASPHALT TO MATCH THE EXISTING ASPHALT CONCRETE LAYER.
7. WHERE THE EDGE OF THE MICRO TRENCH ("T" CUT) IS TWO FEET OR GREATER IN DISTANCE FROM THE EDGE OF THE GUTTER OR FACE OF THE CURB IF NO GUTTER IS PRESENT, THE RESTORATION OF THE ASPHALT SHALL BE AS SHOWN ON DETAIL R-15. WHERE THE "T" CUT MUST BE CLOSER THAN TWO FEET IN DISTANCE FROM THE EDGE OF THE GUTTER OR FACE OF THE CURB, THE RESTORATION BOUNDARY MUST BE EXTENDED TO THE EDGE OF THE GUTTER OR FACE OF CURB.
8. UP TO TWO (2) CONDUITS MAY BE VERTICALLY STACKED PER MICRO TRENCH.
9. CONDUIT ZONE SHALL BE A MINIMUM 1' BELOW THE PAVEMENT SURFACE AND MINIMUM 1" BELOW THE BOTTOM OF THE EXISTING ASPHALT CONCRETE LAYER, WHICHEVER IS GREATER, AND THE BOTTOM OF MICRO TRENCH SHALL BE A MINIMUM 1'-4" BELOW THE PAVEMENT SURFACE.
10. ALL MICRO TRENCHES SHALL BE IDENTIFIED WITH A METAL IDENTIFICATION TAG LISTING THE OWNER, AND YEAR OF CONSTRUCTION, AND INCLUDE THE WORDS "NOT A SURVEY POINT". IF THE WORK IS MORE THAN 50' IN LENGTH, PLACE THE TAG NEAR EACH END OF THE MICRO TRENCH AND AT INTERVALS NOT EXCEEDING 50'.
11. ALLOW CONTROLLED DENSITY FILL (CDF) TO SET FOR 12 HOURS BEFORE PLACING ASPHALT CONCRETE IN THE TRENCH PER CITY STANDARD SPECIFICATIONS.
12. ASPHALT CONCRETE SHALL BE IN ACCORDANCE WITH CITY STANDARD SPECIFICATIONS.
13. A TACK-COAT SEAL SHALL BE APPLIED BETWEEN NEW & EXISTING ASPHALT CONCRETE PER CITY STANDARD SPECIFICATIONS.
14. A SEALANT ALONG THE SEAM SHALL BE APPLIED BETWEEN NEW & EXISTING ASPHALT CONCRETE IN ACCORDANCE WITH CALTRANS SPECIFICATION SECTION 37-6.
15. ALL STRIPING OR SIGNAGE DISTURBED BY THE PROJECT SHALL BE RESTORED TO CITY STANDARDS AND CURRENT CALTRANS MUTCD STANDARDS.
16. PRIOR TO FINISHING THE WORK DAY, OPEN TRENCHES SHALL BE BACKFILLED AND TEMPORARILY PAVED WITH HMA.

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