

NOTES 408.1


- A. MICRO-TRENCHING SHALL ONLY BE USED TO INSTALL TELECOMMUNICATION CONDUITS AND AS APPROVED BY THE ENGINEER.
- B. MICRO-TRENCHING SHALL NOT BE ALLOWED IN SIDEWALKS, CURBS, GUTTERS AND DRIVEWAYS
- C. MICRO-TRENCHING SHALL NOT BE ALLOWED IN SIGNALIZED INTERSECTIONS UNLESS APPROVED BY THE ENGINEER
- D. THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES, INCLUDING SERVICE AND LATERAL PIPES WITHIN THE WORK AREA. THE CONTRACTOR SHALL POTHOLE ALL CROSSING UTILITIES AND PARALLEL UTILITIES WITHIN 60-INCHES OF THE PROPOSED ALIGNMENT. CROSSING UTILITIES SHALL BE POTHOLED TO A DEPTH OF 38-INCHES AND PARALLEL UTILITIES SHALL BE POTHOLED TO A DEPTH OF 26-INCHES TO CONFIRM MINIMUM VERTICAL AND HORIZONTAL SEPARATIONS ARE MET.
- E. CONTRACTOR SHALL SUBMIT THE FOLLOWING ITEMS TO THE ENGINEER FOR APPROVAL:
 - 1. A DETAILED SITE PLAN THAT INCLUDES THE DISTANCES OF MICRO-TRENCHING AND EDGES OF GRIND AND SURFACE RESTORATION TO EDGE OF PAVEMENT
 - 2. A MICRO-TRENCH DETAIL THAT INCLUDES DIMENSIONS OF PROPOSED MICRO-TRENCH, DEPTH, AND SIZE OF CONDUITS.
 - 3. A DETAIL OF LATERAL SERVICES THAT INCLUDES THE CONDUIT FROM THE MICRO-TRENCH MAINLINE TO THE JUNCTION/PULL BOX. INCLUDE SPECIFIC INFORMATION OF THE CONDUIT SIZE AND DEPTH, AND EXCAVATION METHOD BELOW THE EXISTING SIDEWALK AND CURB AND GUTTER.

LIMITS OF REMOVALS, TRENCH WIDTH, AND LOCATION

- A. MICRO-TRENCH SHALL BE CONSTRUCTED WITH CONTINUOUS UNIFORM STRAIGHT AND NEAT EDGES
- B. MICRO-TRENCH SHALL CONSIST OF RUNS PARALLEL TO THE CENTERLINE OF THE STREET, STREET CROSSING IS ALLOWED PROVIDED THE ALIGNMENT IS PERPENDICULAR TO THE STREET CENTERLINE TO THE EXTENT POSSIBLE. MICRO-TRENCHING IS ALLOWED ALONG CURB RETURNS.
- C. THE EDGE OF THE MICRO-TRENCH SHALL BE A MINIMUM OF 12-INCHES AND A MAXIMUM OF 36-INCHES FROM THE EXISTING EDGE OF PAVEMENT/PCC.
- D. THE EDGE OF THE MICRO-TRENCH SHALL BE LOCATED A MINIMUM OF 24-INCHES HORIZONTALLY AND 12-INCHES VERTICALLY FROM ANY EXISTING UTILITIES.

VAULTS AND SERVICE CONNECTIONS

- A. CONNECTION TO SERVICE LATERALS, JUNCTION BOXES, ETC., SHALL BE DONE SUCH THAT CURB AND GUTTER IS NOT DISTURBED, SETTLED OR DAMAGED. THE CONTRACTOR SHALL RESTORE DISTURBED OR DAMAGED CURB AND GUTTER TO THE ORIGINAL CONDITION IN A MANNER SATISFACTORY TO THE ENGINEER. REMOVAL LIMITS OF SIDEWALK SHALL FOLLOW APPLICABLE STANDARDS AND REQUIREMENTS AS APPROVED BY THE ENGINEER.
- B. THE USE OF HYDRO-JETTING IS NOT PERMITTED. TRENCHLESS METHODS SHALL NOT CREATE A VOID TWO TIMES GREATER THAN CONDUIT. VOID SHALL BE COMPACTED AND BACKFILLED WITH APPROVED CLSM.
- C. EACH MICRO-TRENCH SHALL BE IDENTIFIED WITH A METAL IDENTIFICATION TAG LISTING THE OWNER, YEAR OF CONSTRUCTION, AND INCLUDE THE WORDS "NOT A SURVEY POINT". IF THE WORK IS MORE THAN 50 FEET IN LENGTH, PLACE THE TAG NEAR EACH END OF THE MICRO-TRENCH AND AT INTERVALS NOT TO EXCEED 50 FEET.
- D. TRACER WIRE SHALL BE INSTALLED ALONG ENTIRE LENGTH OF CONDUIT RUN.

Rev	By	Date	Micro-Trenching Construction Notes	Approved by: 
0	TB	6/20/23		PE No. C65449
1	TB	8/31/23		Date 2/12/2024
2	TB	2/07/24		Dwg No. 408
Scale: NTS			City of Palo Alto Standard	