

**NOTES:**

1. Specifications reference the Standard Specifications for Public Works Construction "Green Book" Latest Edition.
2. Existing asphalt shall be saw-cut or cold milled in a clean manner without chipping or breaking the adjacent pavement. All edges shall be clean and vertical. All cuts shall be parallel or perpendicular to the street centerline, with 90 degree corners whenever practical. If existing asphalt concrete is less than 3-inches thick, a "T-cap" is not required and the entire trench asphalt section shall be Class C2 asphalt concrete mix.
3. The minimum trench restoration structural thickness shall be 3-inches of asphalt concrete over 6-inches of aggregate base or shall match the existing structural section of asphalt concrete and aggregate base whichever is greater. When the edge of trench lies within 4-feet of any curb, gutter or lane line, the surface course restoration shall be extended to the curb, gutter or lane line. The limits of trench resurfacing shall extend to the lane line on a multi-lane streets or non-residential streets. Surface course shall be placed within 30 days by a paving machine unless otherwise approved by the City. Asphalt concrete shall be placed in accordance to Section 306-13 without the additional 1-inch of asphalt concrete as specified. After completion of the surface course, the perimeter of the trench shall be seam sealed.
4. Asphalt sections less than 4-inches thick shall be asphalt surface course mix only. Asphalt sections 4-inches thick or greater shall be placed in multiple lifts with a base course of asphalt concrete with no lift permitted greater than 4-inches thick. The minimum base course thickness shall be 2.5-inches thick.
5. Aggregate base materials shall be Crushed Aggregate Base, Crushed Miscellaneous Base, Pulverized Miscellaneous Base per Section 200-2 or Caltrans Class II Base. Processed Miscellaneous Base is not permitted.
6. Asphalt concrete materials shall conform to the following:
  - Asphalt Base Course: Grade and Class: PG 64-10, B (Section 203-6.4.4) or B2, B3 (Section 203-6.5.4)
  - Asphalt Surface Course: Grade and Class: PG 64-10, C2 (Section 203-6.4.4) or C2 (Section 203-6.5.4)
7. Pavement fabric shall be in accordance to the City's approved materials list. Petromat is not permitted. Pavement fabric shall be placed in accordance to Section 302-7 and to the manufacture's requirements. Tack coat for pavement fabric shall be in accordance to the manufacturer's requirements.
8. Additional placement of slurry seal or chip seals shall be applied as required by the City for recently resurfaced streets. Trench restorations which do not meet these requirements are subject to removal and replacement.
9. Third party compaction testing is required for all asphalt concrete pavement. Test results shall be submitted to the City within 7 days from completion of asphalt work.

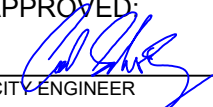
REVISION	APPROVED	DATE
ORIGINAL	C. SCHMITZ	3/21/2018
RUBBERIZED ASPHALT	S. MILLER	8/30/2018
RUBBERIZED ASPHALT	T. ESPINOLA	4/26/2022

**CITY OF SANTEE STANDARD DRAWING**

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**TRENCH RESURFACING**

APPROVED:

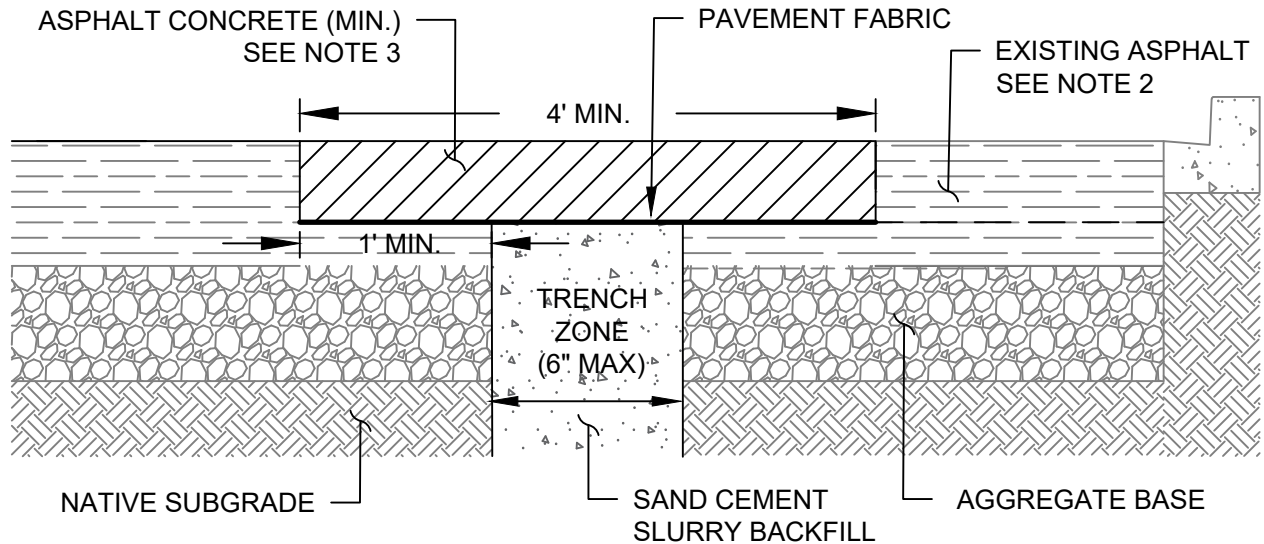


CITY ENGINEER

R.C.E. 60112      DATE: 6/8/2023

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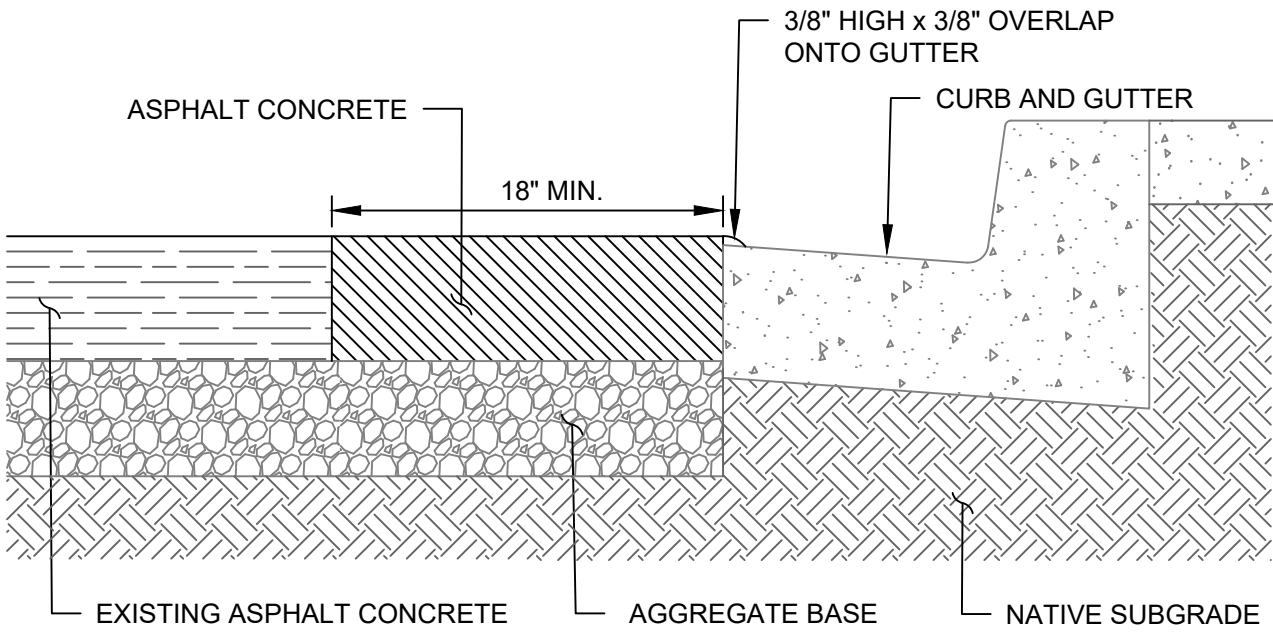
DRAWING NUMBER      **PW - 01**



**NOTES:**

1. Specifications reference the Standard Specifications for Public Work Construction "Green Book" Latest Edition.
2. Existing asphalt shall be saw-cut or cold milled in a straight, clean manner without chipping or breaking the adjacent pavement. All edges shall be clean, vertical and made parallel or perpendicular to the street centerline, with 90 degree corners whenever practical. Trench zone area will not require saw-cutting when using a rockwheel for excavation. "T-cap" asphalt area shall be saw-cut or cold milled.
3. The trench restoration structural thickness shall be a minimum of 3-inches of asphalt concrete for residential streets and 4-inches of asphalt concrete for non-residential streets. When the edge of trench lies within 4-feet of any curb, gutter or lane line, the surface course restoration shall be extended to the curb, gutter or lane line. The limits of trench resurfacing shall extend to the lane line on a multi-lane or non residential streets. Asphalt concrete surface course shall be placed with a paving machine unless otherwise approved by the City. Asphalt concrete shall be placed between 7-14 days after placement and curing of slurry backfill. Asphalt concrete shall be placed in accordance to Section 306-13 without the 1-inch of additional asphalt concrete as specified.
4. Sand cement slurry backfill shall be 190-E-400. Cement slurry shall have a minimum slump of 4-inches and shall be thoroughly consolidated by use of tampers or vibrating equipment.
5. Asphalt concrete materials shall conform to the following:  
 Asphalt Concrete:           Grade and Class: PG 64-10, C2 (Section 203-6.4.4) or C2 (Section 203-6.5.4)
6. Pavement fabric material shall be in accordance to the City's approved materials list. Petromat is not permitted. Pavement fabric shall be placed in accordance to Section 302-7 and to the manufacturer's requirements. Tack coat for pavement fabric shall be in accordance to the manufacturer's requirements.
7. Additional placement of slurry seal or chip seals shall be applied as required by the City for recently resurfaced streets. Trench restorations which do not meet these requirements are subject to removal and replacement.

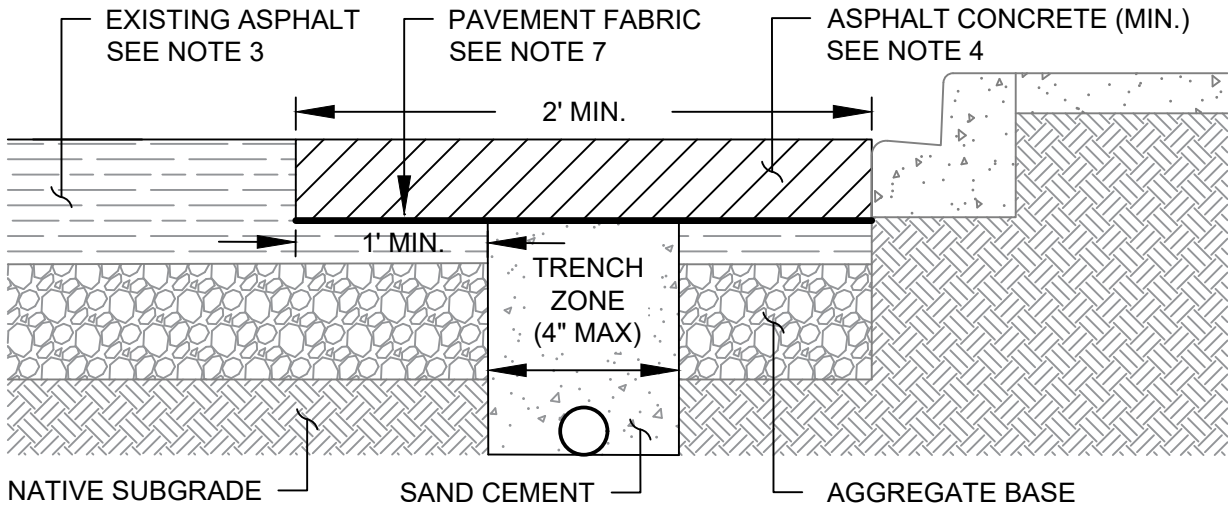
REVISION	APPROVED	DATE	<b>CITY OF SANTEE STANDARD DRAWING</b>	APPROVED:
ORIGINAL	C. SCHMITZ	5/10/2018		<b>NARROW TRENCH RESURFACING</b>
RUBBERIZED ASPHALT	S. MILLER	8/30/2018	CITY ENGINEER	
SAND SLURRY	S. MILLER	6/6/2022	R.C.E. 60112    DATE: 7/17/2023	
ASPHALT SECTIONS	S. MILLER	7/17/2023	DRAWING NUMBER <b>PW - 02</b>	



**NOTES:**

1. Specifications reference the Standard Specifications for Public Work Construction "Green Book" Latest Edition
2. Existing asphalt shall be saw-cut or cold milled in a straight, clean manner without chipping or breaking the adjacent pavement. All edges shall be clean and vertical. All cuts shall be parallel or perpendicular to the street centerline with 90 degree corners whenever practical.
3. Upon removal of existing asphalt concrete, slot patch area shall be filled in flush to finish grade with temporary asphalt concrete to maintain pedestrian crossing areas, at pedestrians ramps or to maintain vehicular traffic until the final asphalt concrete restoration is completed.
4. Asphalt concrete restoration shall be placed within of 7-days after placement of curbs and gutters. Asphalt concrete restoration shall match the existing structural section of asphalt concrete and shall be a minimum of 3-inches thick on residential streets or 6-inches thick non-residential streets whichever is greater. Asphalt concrete pavement shall be placed in accordance to Section 306-13 without the additional 1-inch of asphalt concrete as specified. After completion of asphalt concrete paving, the perimeter of the trench shall be seam sealed.
5. Asphalt concrete shall be placed in two lifts with no lift permitted greater than 4-inches thick.
6. Asphalt concrete materials shall conform to the following:  
Asphalt Concrete: Grade and Class: PG 64-10, C2 (Section 203-6.4.4) or C2 (Section 203-6.5.4)
7. Additional placement of slurry seal or chip seals shall be applied as required by the City for recently resurfaced streets or those streets within a trench cut moratorium area. Asphalt restorations which do not meet these requirements are subject to removal and replacement.

REVISION	APPROVED	DATE	<b>CITY OF SANTEE STANDARD DRAWING</b>	APPROVED:
ORIGINAL	C. SCHMITZ	3/20/2018		<b>SLOT TRENCH RESURFACING</b>
RUBBERIZED ASPHALT	S. MILLER	8/30/2018	CITY ENGINEER	
ASPHALT CONCRETE	S. MILLER	6/6/2022	R.C.E. 60112      DATE: 6/8/2023	
				DRAWING NUMBER <b>PW - 03</b>



**NOTES:**

**SAND CEMENT SLURRY BACKFILL**

**NO SCALE**

1. Microtrenching shall be used for fiber optic facilities only in compliance with Senate Bill 378 and within 4-feet of curbs and gutters. Where microtrenching crosses streets, intersections or perpendicular to gutters, the trench resurfacing shall be in accordance to the Narrow Trench Resurfacing detail. Direct bury cabling is not permitted. Micro trench conduits shall be placed 24-inches minimum below finish grade of asphalt concrete unless otherwise approved.
2. Specifications reference the Standard Specifications for Public Work Construction "Green Book" Latest Edition.
3. Existing asphalt shall be saw-cut or cold milled in a straight, clean manner without chipping or breaking the adjacent pavement. All edges shall be clean and vertical. All cuts shall be parallel or perpendicular to the street centerline, with 90 degree corners whenever practical. Trench zone area will not require saw-cutting when using a rock wheel for excavation. "T-cap" asphalt area shall be saw-cut or cold milled.
4. The trench restoration structural thickness shall be a minimum of 3-inches of asphalt concrete for residential streets and 4-inches of asphalt concrete for non-residential streets. When the edge of trench lies within 4-feet of any curb, gutter or lane line, the surface course restoration shall be extended to the curb, gutter or lane line. The limits of trench resurfacing shall extend to the lane line on a multi-lane street or non-residential streets. Surface course shall be placed with a paving machine unless otherwise approved by the City. Asphalt shall be placed between 7-14 days after placement and curing of slurry backfill. Asphalt concrete shall be placed in accordance to Section 306-13 without the additional 1-inch of asphalt concrete as specified. After completion of asphalt paving, the perimeter of the trench shall be seam sealed.
5. Sand cement slurry backfill shall be 190-E-400. Cement slurry shall have a minimum slump of 4-inches and shall be thoroughly consolidated by use of tampers or vibrating equipment.
6. Asphalt concrete materials shall conform to the following:  
Asphalt Concrete: Grade and Class: PG 64-10, C2 (Section 203-6.4.4) or C2 (Section 203-6.5.4)
7. Pavement fabric shall be in accordance to the City's approved materials list. Petromat is not permitted. Pavement fabric shall be placed in accordance to Section 302-7 and to the manufacturer's requirements. Tack coat for pavement fabric shall be in accordance to the manufacturer's requirements.
8. Additional placement of slurry seal or chip seals shall be applied as required by the City for recently resurfaced streets. Trench restorations which do not meet these requirements are subject to removal and replacement.
9. Third party compaction testing is required for all asphalt concrete pavement. Test results shall be submitted to the City within 7 days from completion of asphalt work.

REVISION	APPROVED	DATE	<b>CITY OF SANTEE STANDARD DRAWING</b>	APPROVED:
ORIGINAL	C. SCHMITZ	5/3/2023		<b>MICRO TRENCH RESURFACING</b>
ASPHALT SECTION	S. MILLER	7/17/2023	R.C.E. 60112	
				DRAWING NUMBER
				<b>PW - 41</b>