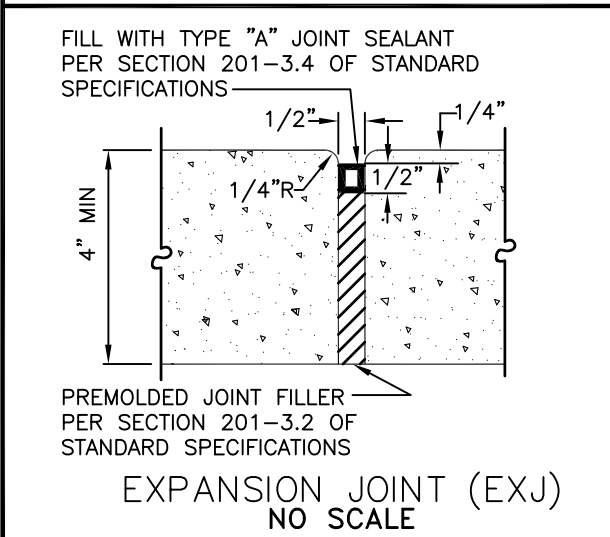
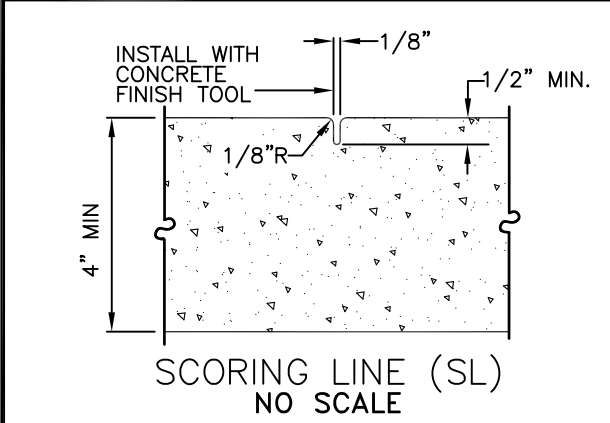
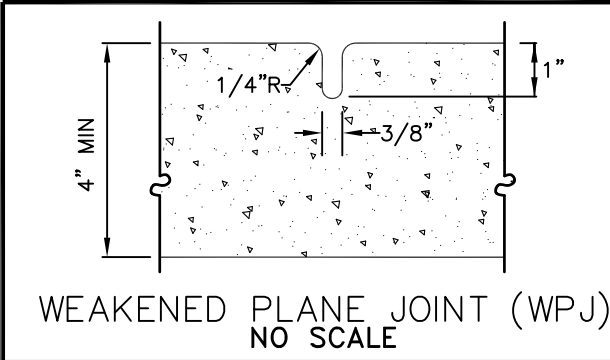
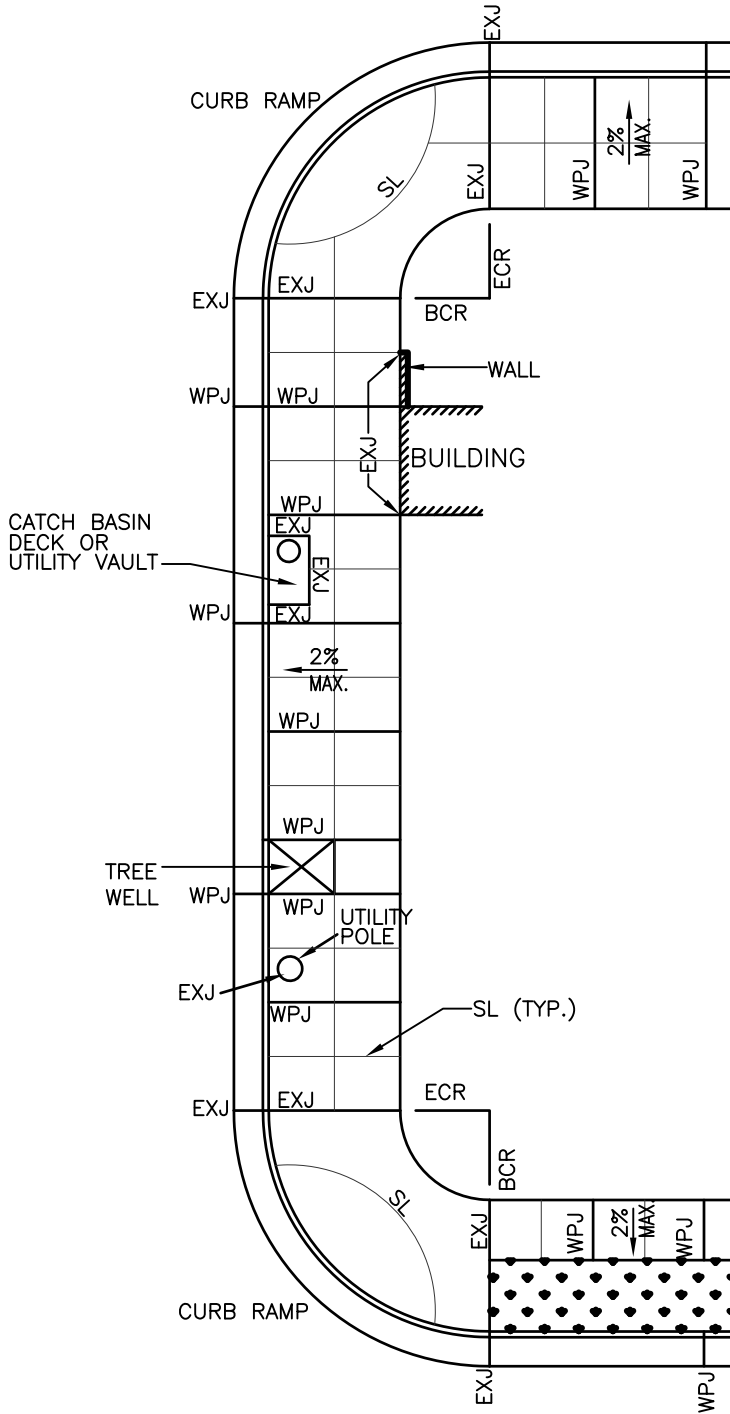


**ABBREVIATIONS:**

- WPJ WEAKENED PLANE JOINT
- EXJ EXPANSION JOINT
- BCR BEGINNING OF CURB RETURN
- ECR END OF CURB RETURN
- SL SCORING LINE



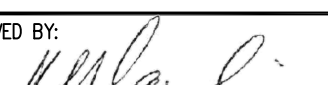
**CITY OF PASADENA - DEPARTMENT OF PUBLIC WORKS**

DRAWN BY:  
DAVID WONG

CHECKED BY:  
DANIEL DIAZ

SUBMITTED BY:  
YANNIE WU-BOWMAN

**PCC SIDEWALK**

APPROVED BY: 

CITY ENGINEER RCE NO. 57442 EXPIRES DECEMBER 31, 2020

7/16/2020  
DATE

REVISION: 2 UNITS: ENG

STANDARD PLAN:

**S-421**

SHEET 1 OF 3

S421-1-2.DWG 7/14/2020


**NOTES FOR JOINTS:**

1. NEW CONSTRUCTION – EXPANSION JOINT SHALL BE PLACED AT THE BCR AND ECR IN CURB, GUTTER AND SIDEWALK, AT BOTH SIDES OF A DRIVEWAY, AROUND UTILITY POLES, AND STRUCTURES INCLUDING CATCH BASINS AND UTILITY VAULTS THAT ARE LOCATED IN SIDEWALK AREAS, AND AT THE BACK OF SIDEWALK WHERE THE SIDEWALK ABUTS BUILDINGS OR OTHER STRUCTURES.
2. RETROFIT CONSTRUCTION – EXPANSION JOINTS SHALL BE INSTALLED IN THE CURB AND GUTTER WHENEVER EITHER SIDE OF THE BCR OR ECR IS REPLACED, OR WHENEVER OVER HALF OF EITHER SIDE OF THE SIDEWALK IS REPLACED AT THE BCR/ECR. EXISTING JOINTS SHALL BE PROTECTED IN PLACE, OR REPLACED WHENEVER ANY WORK IS DONE, SUCH AS TRENCHING IN THE SIDEWALK AREA.
3. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED AT REGULAR INTERVALS NOT EXCEEDING 10 FEET IN SIDEWALKS AND DRIVEWAYS AND 20 FEET IN GUTTERS. JOINTS IN CURB, GUTTER, AND SIDEWALK SHALL BE ALIGNED.
4. CURB AND GUTTER SHALL NOT BE MONOLITHICALLY CONSTRUCTED WITH THE SIDEWALK OR PAVEMENT.
5. SCORING LINES SHALL BE CONSTRUCTED AT REGULAR INTERVALS NOT EXCEEDING 5 FEET OR AS OTHERWISE APPROVED BY THE ENGINEER. LONGITUDINAL SCORING LINES SHALL BE REQUIRED IN SIDEWALKS WIDER THAN 6 FEET.

**NOTES FOR PCC SIDEWALK:**

1. THE CONCRETE CLASS SHALL BE 520-C-2500.
2. THE MAXIMUM SLUMP ALLOWED SHALL BE 4 INCHES.
3. THE MINIMUM THICKNESS OF SIDEWALK SHALL BE 4 INCHES.
4. THE UNDERLYING NATIVE SOIL SHALL HAVE A MINIMUM OF 90% RELATIVE COMPACTION. PRIOR TO POURING OF CONCRETE, SUBGRADE SHALL BE DAMPENED AS APPROVED BY THE ENGINEER.
5. MEMBRANE CURING COMPOUND TYPE 1-D (CLEAR OR TRANSLUCENT WITH FUGITIVE DYE) PER SECTION 201-4.1.1 OF THE STANDARD SPECIFICATIONS SHALL BE APPLIED.
6. THE FINISHED CONSTRUCTION SHALL MATCH ADJACENT SIDEWALK COLOR, FINISH TEXTURE AND SCORE LINES. FOR SIDEWALK WITHIN THE VICINITY OF WENTWORTH AVE/ HILLCREST AVE/PINEHURST DR, SPECIAL FAWN CONCRETE COLOR SHALL BE OBTAINED THROUGH SPRAGUES' CONCRETE AT <https://srmconcrete.com/ready-mix-concrete/colored> OR APPROVED EQUAL.


**CITY OF PASADENA - DEPARTMENT OF PUBLIC WORKS**

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|---|---------------------|---|-------------------|
| DRAWN BY:<br>DAVID WONG                               | <b>PCC SIDEWALK</b> | REVISION:<br>2  | UNITS:<br>ENG     |
| CHECKED BY:<br>DANIEL DIAZ                            |                     | STANDARD PLAN:<br><b>S-421</b>  |                   |
| SUBMITTED BY:<br>YANNIE WU-BOWMAN                     |                     | APPROVED BY:<br> | 7/16/2020<br>DATE |
| CITY ENGINEER RCE NO. 57442 EXPIRES DECEMBER 31, 2020 |                     |   |                   |

**NOTES FOR PCC COLORED SIDEWALK REPAIR ON LAKE AVENUE BETWEEN GREEN STREET AND CALIFORNIA BOULEVARD:**

1. THE CONCRETE SHALL BE CLASS 520-C-2500 AND SHALL BE COLORED WITH THE PROPER PROPORTION OF COLOR ADMIXTURE TO OBTAIN A COLORED CONCRETE MATCHING THE COLOR "PCA BUFF". THE COLOR ADMIXTURE SHALL BE ADMIXTURES INC., 13651 EAST LIVE OAK LANE, IRWINDALE, CALIFORNIA –  
# 827 AZTEC GOLD. THE PHONE # FOR ADMIXTURES INC. IS (626) 357-3263.
2. THE CONCRETE SHALL CONTAIN 520 POUNDS OF TYPE II CEMENT PER CUBIC YARD AND NO CALCIUM CHLORIDE OR OTHER ADMIXTURES. BATCHING, PLACING, FINISHING AND CURING SHALL BE UNIFORM THROUGHOUT THE ENTIRE WORK AND SHALL BE DONE IN ACCORDANCE WITH APPROVED WRITTEN INSTRUCTIONS OF THE COLOR ADMIXTURE MANUFACTURER.
3. THE CONCRETE SURFACE TREATMENT SHALL BE A ROCK SALT FINISH. SALT SHALL BE ORDINARY SODIUM CHLORIDE, KILN DRIED AND PACKAGED WATER SOFTENER SALT. IT SHALL BE DELIVERED TO THE JOB SITE CLEAN AND FREE FROM DIRT OR OTHER CONTAMINATION. THE SIZE SHALL BE "COARSE" WITH A GRADATION THAT PERMITS 100% TO PASS A 3/8" SIEVE AND 85% TO REMAIN ON THE NO. 8 SIEVE.
4. AFTER PLACING AND FINISHING HAS PROCEEDED THROUGH THE STRIKE OFF, INITIAL FLOATING, EDGING AND SCORING PHASES, AND WHEN ALL BLEED WATER HAS LEFT THE SURFACE AND THE CONCRETE HAS SET SUFFICIENTLY TO ACCEPT A MAN'S WEIGHT ON KNEE BOARDS, FINISHING SHALL CONTINUE.
5. EDGES, JOINTS AND SCORES SHALL BE TRUED, AND THE SURFACE SHALL BE HAND FLOATED WITH A LIGHTWEIGHT METAL FLOAT IN A CIRCULAR MOTION TO ACHIEVE A SLIGHTLY ROUGH SWIRL FINISH THAT WILL NOT BE SLIPPERY WHEN CURED AND WET.
6. SALT SHALL THEN BE DISTRIBUTED ON THE SURFACE IN A PATTERN THAT IS RANDOM AND MIXED LIGHT TO MEDIUM IN APPLICATION. SALT SHALL BE SPREAD AT THE RATE OF APPROXIMATELY FIVE POUNDS PER HUNDRED SQUARE FEET. SALT GRAINS SHALL BE PRESSED INTO THE SURFACE WITH FLAT TROWEL PRESSURE SUFFICIENT TO CAUSE THE GRAINS TO BE EMBEDDED JUST BARELY BELOW THE SURFACE, LEAVING THE TOPS OF THE GRAINS EXPOSED. CARE SHALL BE TAKEN SO AS NOT TO DISTURB THE TROWELED SURFACE PATTERN.
7. THE FINISHED SURFACE SHALL BE CURED WITH A CLEAR, NONSTAINING MEMBRANE CURING COMPOUND. AFTER THE CONCRETE HAS CURED FOR FIVE DAYS THE SURFACE SHALL BE WASHED WITH CLEAR WATER AND THE SALT CRYSTALS CURED.

**CITY OF PASADENA - DEPARTMENT OF PUBLIC WORKS**

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| DRAWN BY:<br>DAVID WONG                               | <h1>PCC SIDEWALK</h1> | REVISION:<br>2  | UNITS:<br>ENG     |
| CHECKED BY:<br>DANIEL DIAZ                            |                       | <b>S-421</b>  |                   |
| SUBMITTED BY:<br>YANNIE WU-BOWMAN                     |                       | APPROVED BY:<br> | 7/16/2020<br>DATE |
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