

NOTES:

1. PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: 4000 PSI MIN. COMPRESSIVE STRENGTH AT 28 DAYS, MIN. 6 SACKS OF CEMENT PER CUBIC YARD WITH MAX. WATER-CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% $\pm$ 1.5%, SLUMP AT 1 TO 4 INCHES. MIX DESIGN SHALL CONFORM TO THE REQUIREMENTS OF SECTION 337 OF STANDARD SPECIFICATIONS OF PUBLIC WORKS CONSTRUCTION (SSPWC), AS ADOPTED BY CITY COUNCIL. CEMENT SHALL BE TYPE II. ALL CEMENT CONCRETE SHALL HAVE A COARSE AGGREGATE GRADATION CONFORMING TO SIZE No. 67. POLYPROPYLENE OR CELLULOSE FIBERS SHALL BE ADDED TO THE P.C.C. AT 1.5 LBS. PER CUBIC YARD. ALL MATERIALS SHALL CONFORM TO SSPWC, AS ADOPTED BY CITY COUNCIL.
2. THE SYNTHETIC MACROFIBER SHALL BE "TUF-STRAND SF" OR APPROVED EQUAL. MINIMUM FIBER DOSAGE SHALL BE 5-6 LBS./CUBIC YARD AND TESTING SHALL ACHIEVE 650 PSI FLEXURAL STRENGTH.
3. AGGREGATE BASE MATERIAL UNDER PCC ALLEY WAY SHALL BE TYPE 2, CLASS B CRUSHED AGGREGATE BASE. MATERIALS SHALL CONFORM TO SSPWC SECTION 200, AS ADOPTED BY CITY COUNCIL.
4. ALL ADJACENT CONCRETE REMOVAL SHALL BE TO NEAT SAW CUT LINES AT RIGHT ANGLES TO NEW CONCRETE.
5. ADJUSTMENT OF UTILITIES AND SURVEY MONUMENTS SHALL BE FLUSH WITH SLAB. UTILITIES SHALL BE A MINIMUM OF ONE FOOT AWAY FROM FLOW LINE.
6. DOWELS SHALL BE CENTERED IN THE P.C.C. SECTION AND SHALL BE PLACED PARALLEL TO THE TOP OF THE CONCRETE SURFACE WITHIN A TOLERANCE OF $\pm \frac{1}{6}$ " IN ONE FOOT.
7. DOWELS AND TIE BARS SHALL BE DRILLED AND EPOXIED INTO ADJACENT SLAB. EXPOSED END OF DOWEL SHALL BE GREASED PRIOR TO POURING P.C.C. PAVEMENT. THE LENGTH OF THE DOWELS AND TIE BARS TO BE EMBEDDED FIFTEEN INCHES (15") INTO THE SLAB.
8. JOINTS TO BE CUT AT A MINIMUM OF 4 HOURS TO A MAXIMUM OF 12 HOURS AFTER THE CONCLUSION OF BRUSH FINISHING.
9. FLOW LINE SHALL BE CENTERED WHERE POSSIBLE, BUT MAY BE OFFSET TO IMPROVE DRAINAGE. FLOWLINE MUST REMAIN A MINIMUM 1 FOOT CLEAR FROM LONGITUDINAL JOINTS AND 1 FOOT MINIMUM CLEAR FROM EDGE OF UTILITIES.
10. EXPANSION JOINTS AS SHOWN ON THE PLANS SHALL CONSIST OF A $\frac{1}{2}$ INCH PREMOLDED EXPANSION JOINT WITH WHITE CAP OR BACKER ROD AND CAULK. THE PREMOLDED EXPANSION JOINT MATERIAL IS AN ASPHALT COATED FIBER EXPANSION JOINT, THE WHITE CAP/BACKER IS A CLOSED BACKER ROD AND CAULK. WITHIN ROADWAY, THE CAULK SHALL BE A DOW CORNING 880 - SL SELF LEVELING SILICONE JOINT SEALANT, INCRETE SYSTEMS POWDER COLOR DARK GRAY (4 LBS PER SACK) - MATCH FRENCH GRAY, OR APPROVED EQUAL.
11. FULLY WRAP POLES WITH MINIMUM $\frac{1}{2}$ " FLEXIBLE EXPANSION JOINT.
12. CONCRETE REMOVAL SHALL BE TO AN EXISTING JOINT. PANELS SHALL BE FULL DEPTH SAWCUT TO PROVIDE A CLEAN EDGE PRIOR TO REPLACING P.C.C. ALLEY.

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION

DRAWING No.



NOTES -
P.C.C. ALLEY

S-113B

APPROVED BY: JE | DATE: 1/2020