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1. ALL PORTLAND CEMENT CONCRETE SHALL BE COLORADO DEPARTMENT OF TRANSPORTATION CLASS "B". ALL CONCRETE SHALL BE MIXED, PLACED, CURED AND TESTED IN ACCORDANCE WITH CITY OF GRAND JUNCTION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
2. ALL CONCRETE WORK WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED BY A CITY LICENSED CONTRACTOR. A CONSTRUCTION PERMIT IS REQUIRED AT EACH LOCATION WHERE CONCRETE IS REMOVED, ALTERED OR PLACED.
3. ALL CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS, CURB RAMPS, FILLETS AND DRAINAGE PANS SHALL BE UNDERLAID WITH AGGREGATE BASE COURSE (CLASS 6) COMPACTED TO NO LESS THAN 95% PER AASHTO T-180. SEE DETAILS FOR BASE COURSE THICKNESS AND SUBGRADE RECONDITIONING REQUIREMENTS. SUBGRADE RECONDITIONING WILL NOT BE REQUIRED FOR REPLACEMENT OR CONSTRUCTION OF CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS CURB RAMPS, FILLETS, AND DRAINAGE PANS ON EXISTING STREETS. THE TOP 6" OF SUBGRADE SHALL BE COMPACTED TO NO LESS THAN 95% PER AASHTO T99 UNLESS OTHERWISE SPECIFIED OR APPROVED BY THE ENGINEER.
4. ALL EXISTING PAVEMENT, NOT DESIGNATED FOR REMOVAL, THAT IS DAMAGED BY CONSTRUCTION SHALL BE REPLACED IN-KIND BY CONTRACTOR.
5. ALL DRIVEWAY CONCRETE (APRON AND SIDEWALK CROSSING) SHALL BE 6 INCHES THICK (MIN.) FOR RESIDENTIAL USES AND 8" THICK (MIN.) FOR ALL OTHER USES.
6. TRANSVERSE EXPANSION JOINTS SHALL BE PROVIDED IN ALL CONCRETE CURBS, GUTTERS, SIDEWALKS AND TRAILS, ETC., AT ENDS OF HORIZONTAL CURVES AND AT SPACING SHOWN ON PAGE C-06. TRANSVERSE CONTRACTION JOINTS SHALL BE PROVIDED AT 10' SPACING.
7. VEHICULAR TRAFFIC SHALL BE KEPT OFF NEW CONCRETE FOR A MINIMUM OF FIVE DAYS OR UNTIL THE CONCRETE REACHES A COMPRESSIVE STRENGTH OF 2500 PSI.
8. WHEN DURING CONCRETE FINISHING OPERATIONS THE RATE OF EVAPORATION APPROACHES 0.2 LB/SQ.FT/HR AN EVAPORATION REDUCER SUCH AS CONFILM MANUFACTURED BY MASTER BUILDERS IS RECOMMENDED AND MAY BE REQUIRED TO CONTROL PLASTIC SHRINKAGE CRACKS IN THE CONCRETE SURFACE.
9. AN APPROVED CURING/SEALING COMPOUND SHALL BE APPLIED TO ALL EXPOSED CONCRETE IMMEDIATELY AFTER FINISHING. FOR APPROVED COMPOUNDS SEE SECTION 711 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
10. WHEN AMBIENT TEMPERATURE IS EXPECTED TO BE BELOW 35°F THE CONTRACTOR SHALL MAINTAIN THE CONCRETE TEMPERATURE ABOVE 50°F FOR AT LEAST FIVE DAYS AFTER PLACEMENT. CURING METHODS THAT CAUSE OVERHEATING OR DRYING OF THE CONCRETE SHALL NOT BE USED. NO CONCRETE SHALL BE PLACED ON FROZEN GROUND.
11. UNDER NO CIRCUMSTANCES SHALL WATER BE ADDED TO CONCRETE SURFACES DURING FINISHING OPERATIONS.
12. HANDICAP RAMPS SHALL BE INSTALLED IN EACH CORNER OF ALL NEW STREET INTERSECTIONS. SEE PAGES C-13 THROUGH C-24 FOR DETAILS.
13. "CONTROL JOINT" SHALL HAVE THE SAME MEANING AS "CONTRACTION JOINT".
14. SEE PAGE C-32 FOR CONCRETE PAVEMENT PATCHING DETAIL.

GENERAL NOTES

DEPARTMENT OF PUBLIC WORKS AND PLANNING ENGINEERING DIVISION CITY OF GRAND JUNCTION, COLORADO	STANDARD CONCRETE DETAIL	APPROVED: <u>DN</u> REV: <u>FEB. 2006</u> DRAWN: <u>CM</u>	PAGE C-01
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