

## GENERAL NOTES FOR CITY FUNDED PROJECTS

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD AND SPECIAL PROVISIONS, THE CONSTRUCTION PLANS FOR THE PROJECT, THE CURRENT EDITION OF THE CDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION AND THE CDOT STANDARD PLANS AS APPLICABLE TO THE WORK.
2. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE CITY A STORMWATER MANAGEMENT PLAN (SWMP) AT THE TIME OF THE PRE-CONSTRUCTION MEETING. THE CONTRACTOR SHALL ADDRESS EROSION MITIGATION & PROTECTIVE MEASURES TO LIMIT EROSION RELATING TO CONSTRUCTION ACTIVITIES. UNLESS PREVIOUSLY OBTAINED BY THE CITY, THE CONTRACTOR SHALL OBTAIN A CDPHE STORMWATER DISCHARGE PERMIT AS STATED IN SECTION 208 OF THE PROJECT SPECIAL PROVISIONS.
3. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A CONSTRUCTION SCHEDULE AT THE PROJECT PRE-CONSTRUCTION MEETING. THIS SCHEDULE WILL SHOW THE BEGINNING AND ENDING DATES OF MAJOR CONTRACT ITEMS. THIS SCHEDULE WILL BE UPDATED BY THE CONTRACTOR EVERY 10 WORKING DAYS, OR AS REQUIRED BY THE CITY.
4. CONSTRUCTION STAKING SHALL BE PROVIDED BY THE CONTRACTOR.
5. SUBSEQUENT ASPHALT LIFTS SHALL NOT BE PLACED ON THE SAME DAY AS THE PREVIOUS LIFT, UNLESS APPROVED BY THE CITY IN THE FIELD.
6. FOR FINAL PLAN QUANTITIES THE FOLLOWING RATES OF APPLICATION WERE USED: BITUMINOUS PAVEMENT AT 149.75 LBS/CUBIC FOOT (0.05615 TONS/ SY\*4N) AGGREGATE BASE COURSE AT 133 LBS/CUBIC FOOT
7. A SKI TYPE DEVICE AT LEAST 30 FEET IN LENGTH, SHORT SKI OR SHOE AND 5000 FEET OF CONTROL LINE AND STAKES SHALL BE FURNISHED WITH EACH BITUMINOUS PAVER. THE CONTROL LINE SHALL BE REQUIRED FOR ALL LAYERS, OR AS DIRECTED BY THE CITY.
8. A TACK COAT OF EMULSIFIED ASPHALT (SLOW SETTING) IS TO BE APPLIED BETWEEN PAVEMENT COURSE AND ON ALL VERTICAL EDGES TO IMPROVE BOND BETWEEN PAVEMENT LAYERS. THE RATE OF APPLICATION SHALL BE AS DETERMINED BY THE CITY AT THE TIME OF APPLICATION. TACK COATING IS INCIDENTAL WORK TO HMA PAY ITEMS.
9. UNCLASSIFIED EXCAVATION QUANTITIES FOR SUBGRADE STABILIZATION WILL BE MEASURED IN THE FIELD. TYPICAL DEPTH OF CUT FOR SUBGRADE STABILIZATION WILL BE LESS THAN 15 INCHES BELOW DESIGN SUBGRADE, UNLESS OTHERWISE DIRECTED BY THE CITY.
10. FULL DEPTH ASPHALT TO BE REMOVED HAS BEEN CALCULATED AS REMOVAL OF ASPHALT MAT. REMOVED ASPHALTIC PAVEMENT MATERIAL WILL BECOME THE PROPERTY OF THE CONTRACTOR.
11. ATTACHED SIDEWALK, CURB AND GUTTER SHALL BE PLACED MONOLITHICALLY, UNLESS OTHERWISE SPECIFIED OR DIRECTED BY THE CITY.
12. BREAK POINTS ON SLOPES AND IN BOTTOMS OF DITCHES SHALL BE ROUNDED DURING CONSTRUCTION AS DIRECTED BY THE CITY. SEE STANDARDS FOR DETAILS OF CUT SLOPE TREATMENT, FLARING AND WIDENING.
13. CLEARING AND GRUBBING SHALL INCLUDE REMOVAL OF ALL SHRUBS, WEEDS, SMALL TREES (4" CALIPER OR LESS), ALL ASSOCIATED ROOTS AND OTHER VEGETATION WITHIN THE CONSTRUCTION LIMITS UNLESS SEPARATE PAY ITEM IS PROVIDED.
14. LIMITS OF ASPHALT REMOVAL SHALL BE CUT TO A STRAIGHT LINE WITH A VERTICAL EDGE. THE VERTICAL EDGE SHALL BE SAW CUT UNLESS OTHERWISE APPROVED BY CITY. ASPHALT PAVEMENT SHALL BE REMOVED A MINIMUM OF TWO FEET, OR AS DIRECTED BY THE CITY, FROM ANY GUTTER PAN LIP. ASPHALT PATCHBACK SHALL BE PLACED IN LIFTS NOT EXCEEDING 4 INCHES.
15. COMPACTION TESTING FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH SECTION 720 OF THE SPECIAL PROVISIONS.
16. EXCAVATION FOR THE COMPACTION OF THE BASE OF CUTS AND FILLS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EXCAVATION & EMBANKMENT PAY ITEMS.
17. DEPTH OF MOISTURE-DENSITY CONTROL FOR THIS PROJECT SHALL BE AS FOLLOWS: FULL DEPTH OF ALL EMBANKMENTS, BASES OF CUTS AND FILLS SHALL BE 6 INCHES. COMPACTION OF BASES OF CUTS AND FILLS SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF EXCAVATION & EMBANKMENT PAY ITEMS. WATER FOR COMPACTION WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION. WATER FOR DUST CONTROL SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
18. SWEEPING SHALL BE DONE BY A PICKUP TYPE BROOM WITH DUST CONTROL AND BEYOND INCLUDED PAY ITEMS, SHALL BE DONE AT NO ADDITIONAL COST TO THE PROJECT.
19. SALVAGE ITEMS REMAINING AS PROPERTY OF THE CITY OF WHEAT RIDGE SHALL BE DELIVERED TO THE CITY MAINTENANCE FACILITY LOCATED AT 11220 W. 45TH AVE. EQUIPMENT & OPERATOR FOR UNLOADING WILL BE PROVIDED BY THE CITY IF REQUESTED IN ADVANCE. CONTRACTOR WILL ASSIST WITH UNLOADING. DELIVERY AND UNLOADING SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
20. REINFORCING STEEL SHALL BE GRADE 60, CONCRETE SHALL BE CLASS B AND D, REINFORCING STEEL IS INCIDENTAL TO STRUCTURE PAY ITEMS.
21. CURB CUT LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL STAKE THE APPROXIMATE LIMITS OF GRADING, LOCATION OF CURB CUTS, AND LOCATION OF MAILBOX(ES) IN THE FIELD.
22. DRIVEWAY RESTORATION SHALL BE AS FOLLOWS:  
  
RE-GRADE & REPLACE GRAVEL DRIVEWAY-PREPARE THE SUBGRADE FROM BACK OF SIDEWALK TO MATCH POINT. PLACE A 1" LIFT OF CLASS 6 AGGREGATE BASE COURSE FOLLOWED BY A 1" LIFT OF 3/4" CRUSHED ROCK (MOUNTAIN GRANITE) AND COMPACT. BASE MATERIAL TO BE PAID AS AGGREGATE BASE COURSE (CLASS 6), ROCK TO BE PAID AS 3/4" CRUSHED ROCK (GRAVEL DRIVEWAY).  
  
REPLACE ASPHALT DRIVEWAY-PREPARE THE SUBGRADE FROM BACK OF SIDEWALK TO MATCH POINT. PLACE 4" OF HOT MIX ASPHALT, COMPACTED TO 92% - 96% OF MAXIMUM THEORETICAL DENSITY. MATERIAL TO BE PAID AS HMA (4").  
  
REPLACE CONCRETE DRIVEWAY-PREPARE THE SUBGRADE FROM BACK OF SIDEWALK TO MATCH POINT. PLACE A MINIMUM OF 6" (RESIDENTIAL) AND 8" (COMMERCIAL) OF CONCRETE PAVEMENT. MATERIAL TO BE PAID AS CONCRETE PAVEMENT (SY).
23. ALL TRENCHES AND PITS SHALL BE ADEQUATELY SUPPORTED AND THE SAFETY OF WORKERS PROVIDED FOR AS REQUIRED BY THE MOST RECENT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) "SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION." THESE REGULATIONS ARE DESCRIBED IN SUBPART P, PART 1926 OF THE CODE OF FEDERAL REGULATIONS. SHEETING AND SHORING SHALL BE UTILIZED WHERE NECESSARY TO PREVENT ANY EXCESSIVE WIDENING OR SLOUGHING OF THE TRENCH OR PIT WHICH MAY BE DETRIMENTAL TO HUMAN SAFETY. TO THE PIPE BEING PLACED, TO TREES OR TO ANY EXISTING STRUCTURE WHERE EXCAVATIONS ARE MADE, UNDER SEVERE WATER CONDITIONS, THE CONTRACTOR MAY BE REQUIRED TO USE AN APPROVED PILING INSTEAD OF SHEETING AND SHORING.
24. THE CONTRACTOR SHALL HAVE ONE SIGNED FULL SIZE COPY OF THE PLANS APPROVED BY THE GOVERNING AGENCIES AND ONE COPY OF THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS, CDOT PERMIT (IF APPLICABLE), AND SWMP DOCUMENT ON THE JOB SITE AT ALL TIMES.
25. REPAIR OF ANY DAMAGE TO EXISTING IMPROVEMENTS AND/OR LANDSCAPING IS THE RESPONSIBILITY OF THE CONTRACTOR AT HIS EXPENSE.
26. ALL DAMAGE CAUSED TO EXISTING CURB, GUTTER AND SIDEWALK DURING CONSTRUCTION SHALL BE REPAIRED PRIOR TO ACCEPTANCE OF COMPLETED IMPROVEMENTS.
27. THE CONTRACTOR SHALL NOTIFY ALL PROPERTY OWNERS IN WRITING A MINIMUM OF 48 HOURS PRIOR TO ANY UTILITY SHUT OFF OR CLOSURE OF DRIVEWAYS, THE NOTICES MUST HAVE CONTRACTOR'S PHONE NUMBER AND NAME OF CONTACT PERSON, AND EMERGENCY PHONE NUMBER FOR AFTER-HOURS CALLS. CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING LOCAL ACCESS TO ALL DRIVEWAYS.
28. CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING CLEANLINESS ON ALL LOCAL ROADWAYS AFFECTED BY HIS CONSTRUCTION.
29. AS A CONDITION FOR QUALIFYING FOR FINAL PAYMENT THE CONTRACTOR WILL FURNISH UPON COMPLETION OF THE PROJECT, 1 SET OF AS-CONSTRUCTED DRAWINGS PER SECTION 105.02 OF THE PROJECT SPECIAL PROVISIONS AND CDOT STANDARD SPECIFICATIONS.
30. SOIL PREPARATION, MULCHING AND MULCH TACKIFIER SHALL BE INCLUDED IN THE PRICE OF SEEDING. SEEDING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 212 OF THE SPECIAL PROVISIONS.
31. THE CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THOSE AREAS WITHIN THE LIMITS OF CONSTRUCTION AND/OR TOES OF SLOPE AS SHOWN ON THE PLANS. ANY DISTURBANCE BEYOND THESE LIMITS SHALL BE RESTORED TO ORIGINAL CONDITION BY THE CONTRACTOR AT HIS EXPENSE. CONSTRUCTION ACTIVITIES, IN ADDITION TO NORMAL CONSTRUCTION PROCEDURES, SHALL INCLUDE THE PARKING OF VEHICLES OR EQUIPMENT, DISPOSAL OF LITTER, AND ANY OTHER ACTION WHICH WOULD INCLUDE CLEARING AND GRUBBING, AND LANDSCAPE RESTORATION LUMP SUM ITEMS SHALL BE BID TO INCLUDE ALL AREAS DISTURBED DURING CONSTRUCTION, WHETHER WITHIN OR OUTSIDE THE LIMITS OF CONSTRUCTION.
32. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCEPTANCE AND CONTROL OF ALL SUBSURFACE DRAINAGE AND GROUNDWATER ENTERING THE PROJECT AREA. CONTRACTOR IS RESPONSIBLE FOR PROVIDING DETERMINING, IF NEEDED, AT NO ADDITIONAL COST TO THE PROJECT, DETERMINING METHODS SHALL BE APPROVED BY THE CITY.
33. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING ALL LAND MONUMENTS. MONUMENTS DISTURBED DURING CONSTRUCTION ACTIVITY SHALL BE RESET AT NO ADDITIONAL COST TO THE PROJECT. THE RESETTING OF MONUMENTS SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A REGISTERED LAND SURVEYOR. THE CONTRACTOR SHALL FILE MONUMENT RECORDS WITH THE BOARD OF REGISTRATION OF PROFESSIONAL ENGINEERS AND LAND SURVEYORS FOR ALL LAND MONUMENTS RESET DURING CONSTRUCTION.
34. THE CITY SHALL OBTAIN A CDOT PERMIT FOR ANY WORK WITHIN CDOT ROW. THE CONTRACTOR SHALL MEET ALL TERMS AND CONDITIONS AS STATED IN THE PERMIT FOR ALL WORK WITHIN OR AFFECTING CDOT ROW.

### TRAFFIC CONTROL

1. THE CONTRACTOR SHALL PREPARE AND PRESENT HIS/HER METHOD FOR HANDLING CONSTRUCTION ZONE TRAFFIC TO THE CITY FOR APPROVAL AT THE PRE-CONSTRUCTION MEETING.
2. SUBSEQUENT CHANGES TO THE TRAFFIC CONTROL PLAN AND SEQUENCE OF WORK REQUESTED BY THE CONTRACTOR SHALL BE SUBMITTED FOR APPROVAL 72 HOURS PRIOR TO IMPLEMENTATION OF THE REVISED PLAN.
3. TRAFFIC CONTROL PLAN SHALL ADDRESS SPECIFIC PHASES OF CONSTRUCTION AND BE DRAWN TO SCALE OR DIMENSIONED. TRAFFIC PLANNING WILL BE DIRECTED TO THE SAFETY OF THE CONSTRUCTION FORCE AS WELL AS THE SAFE AND EXPEDITIOUS MOVEMENT OF TRAFFIC.
4. WORK WITHIN CITY ROW ROADWAY AREAS CLOSSED TO THROUGH TRAFFIC MAY PROCEED BETWEEN THE HOURS OF 7:00 AM AND 5:00 PM ON LOCAL STREETS, AND BETWEEN THE HOURS OF 8:30 AM AND 3:30 PM ON COLLECTOR, ARTERIAL AND HIGH VOLUME LOCAL STREETS AS DETERMINED IN WRITING BY THE CITY.
5. WORK WITHIN ROADWAY AREAS IS ALSO SUBJECT TO THE TIME RESTRICTIONS STATED IN SPECIAL PROVISION SECTION 108.04 OF THE PROJECT SPECIFICATIONS. ALL WORK WITHIN CDOT ROW SHALL BE ADDITIONALLY RESTRICTED AS STATED IN SECTION 108.04 AND PER THE APPLICABLE CDOT PERMIT ISSUED FOR THE PROJECT.
6. TRAFFIC CONTROL DURING CONSTRUCTION SHALL COMPLY WITH THE LATEST EDITION OF THE FHWA'S "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND OTHER DOCUMENTS DETAILED IN THE SPECIFICATIONS.
7. MINIMUM TEMPORARY LANE WIDTH SHALL BE TEN (10) FEET, UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY.
8. PROVISIONS FOR PEDESTRIAN TRAFFIC SHALL BE MADE FOR ALL PHASES OF CONSTRUCTION.

### UTILITIES

1. THE CONTRACTOR IS RESPONSIBLE TO EXCAVATE AND LOCATE ALL EXISTING UTILITIES WHICH MAY AFFECT CONSTRUCTION. ALL EXPLORATORY EXCAVATIONS SHALL OCCUR FAR ENOUGH IN ADVANCE TO PERMIT ANY NECESSARY RELOCATION TO BE MADE WITH MINIMAL DELAYS TO THE PROJECT. UNLESS A PAY ITEM HAS BEEN INCLUDED FOR EXPLORATORY EXCAVATIONS (POTHOLING), ALL EXPLORATORY EXCAVATIONS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. LACK OF THE CITY TO INCLUDE A POTHOLING PAY ITEM SHALL NOT PRECLUDE THE CONTRACTOR FOR PERFORMING ALL NECESSARY EXPLORATORY EXCAVATIONS. THE CONTRACTOR SHALL NOT BE COMPENSATED FOR ANY DELAY DUE TO UTILITY CONFLICTS.
2. ALL UTILITY RELOCATES WILL BE PERFORMED BY THE OWNING UTILITY COMPANY DURING THE COURSE OF THE PROJECT, UNLESS A SEPARATE PAY ITEM IS PROVIDED.
3. UTILITY LOCATIONS SHOWN ON THE PLAN ARE PLOTTED TO THE BEST INFORMATION AT TIME OF DESIGN. UTILITY LOCATIONS SHOWN ON THE PLANS ARE FOR DESCRIPTIVE PURPOSES ONLY. THE CONTRACTOR IS REQUIRED TO CONTACT THE PROPER UTILITY COMPANY AND/OR UTILITY LOCATE COMPANY PRIOR TO CONSTRUCTION. LOCATION OF ALL UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. ANY DAMAGES TO EXISTING UTILITIES CAUSED BY THE CONTRACTOR, OR ANY OF HIS SUBCONTRACTORS, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR FOR ALL REPAIRS AT HIS EXPENSE.
4. THE CONTRACTOR SHALL CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO AT LEAST 48 HOURS PRIOR TO CONSTRUCTION. CALL 800-922-1987.
5. PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION, THE CONTRACTOR SHALL CONTACT ALL UTILITIES TO COORDINATE SCHEDULES.
6. STORM SEWER PIPE SHALL BE PVC, SDR-35, OR RCP AS SPECIFIED ON DRAWINGS.
7. ELECTRICAL CONDUIT SHALL BE PVC SCH 80 AND SHALL BE BURIED A MINIMUM OF 2 FEET.
8. ALL STORM STRUCTURES TO BE CAST IN PLACE UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY.