

## GENERAL NOTES

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1. PRIOR TO ANY WORK BEING PERFORMED, THE CONTRACTOR SHALL CONTACT HERRIMAN CITY TO SET UP AND HOLD A PRE-CONSTRUCTION CONFERENCE.
2. PRIOR TO ANY WORK BEING PERFORMED, THE CONTRACTOR SHALL OBTAIN A LAND DISTURBANCE PERMIT FROM THE HERRIMAN CITY ENGINEERING DEPARTMENT.
3. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PERFORM CONSTRUCTION ACTIVITIES PER THE CONSTRUCTION DOCUMENTS. ANY ADDITIONS, DELETIONS, OR MODIFICATIONS SHALL FIRST MEET WITH THE WRITTEN APPROVAL OF THE ENGINEER AND THE PUBLIC WORKS INSPECTOR. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT PRIOR WRITTEN AUTHORIZATION.
4. ALL IMPROVEMENTS SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH THE LATEST VERSION OF THE HERRIMAN CITY STANDARDS AND SPECIFICATIONS, THE AMERICAN PUBLIC WORKS ASSOCIATION (APWA) MANUAL OF STANDARD PLANS AND THE TECHNICAL SPECIFICATIONS FOR THESE DRAWINGS.
5. THE CONTRACTOR SHALL BE COMPETENT, KNOWLEDGEABLE AND HAVE SPECIAL SKILLS IN THE NATURE, EXTENT AND INHERENT CONDITIONS OF THE WORK TO BE PERFORMED. CONTRACTOR SHALL ALSO ACKNOWLEDGE THAT THERE ARE CERTAIN PECULIAR AND INHERENT CONDITIONS EXISTENT IN THE CONSTRUCTION OF THE PARTICULAR FACILITIES, WHICH MAY CREATE, DURING THE CONSTRUCTION PROGRAM, UNUSUAL OR UNSAFE CONDITIONS HAZARDOUS TO PERSONS, PROPERTY AND THE ENVIRONMENT. CONTRACTOR SHALL BE AWARE OF SUCH PECULIAR RISKS AND HAVE THE SKILL AND EXPERIENCE TO FORESEE AND TO ADOPT PROTECTIVE MEASURES TO ADEQUATELY AND SAFELY PERFORM THE CONSTRUCTION WORK WITH RESPECT TO SUCH HAZARDS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND COMPLYING WITH ALL PERMITS AND LICENSES REQUIRED FOR THE CONSTRUCTION AND COMPLETION OF THE PROJECT, AND SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS AND CONDITIONS OF ALL PERMITS AND APPROVALS APPLICABLE TO THIS PROJECT. THE CONTRACTOR SHALL ENSURE THAT THE NECESSARY RIGHT-OF-WAYS, EASEMENTS, AND/OR PERMITS ARE SECURED PRIOR TO CONSTRUCTION.
7. THE CONTRACTOR SHALL EXERCISE DUE CAUTION AND SHALL CAREFULLY PRESERVE BENCH MARKS, CONTROL POINTS, REFERENCE POINTS AND ALL SURVEY STAKES, AND SHALL BEAR ALL EXPENSES FOR REPLACEMENT AND/OR ERRORS CAUSED BY THEIR UNNECESSARY LOSS OR DISTURBANCE. CONTRACTOR SHALL NOT DESTROY, REMOVE, OR DISTURB ANY EXISTING SURVEY MONUMENTS WITHOUT AUTHORIZATION OF HERRIMAN CITY ENGINEERING DEPARTMENT OR SALT LAKE COUNTY SURVEYOR. NO PAVEMENT CUTTING OR REMOVAL SHALL BEGIN UNTIL ALL SURVEY MARKERS OR MONUMENTS POINTS THAT HAVE THE POTENTIAL OF BEING DISTURBED BY THE CONSTRUCTION OPERATIONS HAVE BEEN PROPERLY REFERENCED BY A REGISTERED LAND SURVEYOR. ALL SURVEY MONUMENTS OR POINTS DISTURBED BY THE CONTRACTOR SHALL BE ACCURATELY RESET BY A REGISTERED LAND SURVEYOR AFTER ALL RESTORATION AND RESURFACING HAS BEEN COMPLETED.

8. THE CONTRACTOR SHALL BE RESPONSIBLE TO:
  - A. CLEAN THE JOB SITE AT THE END OF EACH PHASE OF WORK.
  - B. REMOVE AND DISPOSE OF ALL TRASH, SCRAP AND UNUSED MATERIAL AT THEIR OWN EXPENSE IN A TIMELY MANNER.
  - C. MAINTAIN THE SITE IN A NEAT, SAFE AND ORDERLY MANNER AT ALL TIMES.
  - D. THEY SHALL BE RESPONSIBLE FOR THEIR OWN SAFETY, TRAFFIC CONTROL, PERMITS, RETESTING AND RE-INSPECTIONS AT THEIR OWN EXPENSE.
9. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD HERRIMAN CITY HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.
10. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS FROM DAMAGE WHICH ARE TO REMAIN IN PLACE UNLESS OTHERWISE INDICATED IN THE APPROVED PLANS OR IN WRITING BY THE OWNER. ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR RECONSTRUCTED TO ORIGINAL OR BETTER CONDITION TO THE SATISFACTION OF THE OWNER AT THE EXPENSE OF THE CONTRACTOR. THE FINISHED PRODUCT SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER, THE ENGINEER, AND THE RESPECTIVE REGULATORY AGENCY(S).
11. THE CONTRACTOR SHALL MAINTAIN A NEATLY MARKED SET OF FULL-SIZE RECORD DRAWINGS SHOWING THE FINAL LOCATION, DIMENSION AND LAYOUT OF ALL IMPROVEMENTS. RECORD DRAWINGS SHALL REFLECT CHANGE ORDERS, MODIFICATIONS, AND FIELD ADJUSTMENTS TO ALL IMPROVEMENTS CONSTRUCTED. WHERE NECESSARY, SUPPLEMENTAL DRAWINGS SHALL BE PREPARED AND SUBMITTED BY THE CONTRACTOR. PRIOR TO ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL DELIVER TO THE ENGINEER, ONE SET OF NEATLY MARKED RECORD DRAWINGS SHOWING THE INFORMATION REQUIRED ABOVE. RECORD DRAWINGS SHALL BE REVIEWED AND THE COMPLETE RECORD DRAWING SET SHALL BE CURRENT WITH ALL CHANGES AND DEVIATIONS REDLINED AS A PRECONDITION TO THE FINAL ACCEPTANCE.
12. CONTRACTOR SHALL RESTORE ALL EXISTING IMPROVEMENTS TO PRE-CONSTRUCTION CONDITIONS PER OWNERS SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE CONTRACTOR'S LUMP SUM PRICE FOR EACH SITE.
13. ALL CONSTRUCTION ACTIVITIES SHALL BE PERFORMED IN A SAFE MANNER AND IN ACCORDANCE WITH THE REQUIREMENTS OF ALL JURISDICTIONAL AGENCIES INCLUDING, BUT NOT LIMITED TO, THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).
14. CONTRACTOR SHALL NOT PAVE WITHOUT PRIOR APPROVAL OF PUBLIC WORKS INSPECTOR FOR ALL AREAS WITHIN PUBLIC RIGHT-OF-WAY OR FOR A PUBLIC FACILITY. TIMING OF ASPHALT PAVING SHALL BE IN ACCORDANCE WITH APWA SPECIFICATION SECTION 32 12 16.13. THAT IS,

CONTRACTOR SHALL NOT PAVE UNTIL THE AIR TEMPERATURE IS 45° F AND RISING. CONTRACTOR SHALL CEASE PAVING IF AIR TEMPERATURE FALLS BELOW 50° F. CONTRACTOR SHALL NOT PAVE IF WIND OR GROUND COOLS MIX MATERIAL BEFORE COMPACTION. CONTRACTOR SHALL NOT PAVE IF SURFACE IS WET OR WEATHER IS UNSUITABLE.

15. IF THE CONTRACTOR CHOOSES TO WORK ON THE PROJECT WITHIN THE PUBLIC RIGHT-OF WAY WHEN HOT MIX ASPHALT MIX IS NOT AVAILABLE, THE CONTRACTOR SHALL OBTAIN PRIOR WRITTEN APPROVAL FROM THE PUBLIC WORKS INSPECTOR PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY ASPHALT SURFACING MATERIAL. WHEN PERMANENT ASPHALT BECOMES AVAILABLE, THE CONTRACTOR SHALL REMOVE THE TEMPORARY ASPHALT, FURNISH AND INSTALL THE PERMANENT ASPHALT AT NO ADDITIONAL COST TO HERRIMAN CITY.
16. TRENCHING OPERATIONS SHALL BE PREFORMED SO AS TO PROTECT THE EXISTING CURB AND GUTTER. DAMAGED CURB AND GUTTER SHALL BE REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE AND PER APWA STANDARDS. TRENCH SUPPORTS AND DEWATERING SHALL ALSO BE THE RESPONSIBILITY OF THE CONTRACTOR. THE MAXIMUM LINEAR FOOTAGE OF OPEN TRENCH DURING WORKING HOURS SHALL BE 300 FEET OR AS REQUIRED BY THE PUBLIC WORKS INSPECTOR, WHICHEVER IS MORE STRINGENT. ALL TRENCHES SHALL BE BACKFILLED AND/OR PLATED DURING NON-WORKING HOURS.
17. DEWATERING: GROUND WATER AND SURFACE WATER CONTROL SHALL BE PERFORMED AND RESPONSIBLY HANDLED BY THE CONTRACTOR ACCORDING TO, AND IN COMPLIANCE WITH, ALL LOCAL GOVERNING AUTHORITIES. HEAVY GROUND WATER AND/OR SURFACE WATER PUMPING MAY BE REQUIRED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE POTENTIAL PUMPING NEEDS. THE CONTRACTOR SHALL PROVIDE THEIR OWN PROCTOR, GROUND WATER AND/OR SURFACE WATER DATA.
18. CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY SETTLEMENT OF EXCAVATIONS, AND ANY DAMAGE OF UTILITIES RESULTING FROM SETTLEMENT.
19. CONTRACTOR SHALL SEAL THE END OF NEW PIPELINE IN ORDER TO PREVENT ANY GROUND WATER OR DEBRIS FROM ENTERING NEW PIPES DURING CONSTRUCTION.
20. CONTRACTOR SHALL RESTORE OR REPLACE ANY SPRINKLING SYSTEMS AND LANDSCAPING DAMAGED DURING CONSTRUCTION TO EQUAL OR BETTER CONDITIONS THAN WHAT EXISTING PRIOR TO CONSTRUCTION AT NO ADDITIONAL COST TO THE HERRIMAN CITY.
21. CONTRACTOR SHALL SAW CUT ASPHALT, SIDEWALK TO THE NEAREST JOINT, AND WHERE REQUIRED CURB AND GUTTER TO THE NEAREST JOINT AT THE LIMITS OF ALL TRENCH EXCAVATION.
22. WORKING HOURS SHALL COMPLY WITH HERRIMAN CITY STANDARDS. THAT IS, CONSTRUCTION ACTIVITIES SHALL BE BETWEEN 7:00 AM AND 9:00 PM MONDAY THROUGH FRIDAY. NO CONSTRUCTION ACTIVITIES ARE ALLOWED OUTSIDE THAT TIMEFRAME UNLESS OTHERWISE AUTHORIZED BY THE HERRIMAN CITY PUBLIC WORKS INSPECTOR.
23. ALTERNATIVE PATHWAYS MUST BE PROVIDED BY CONTRACTOR FOR ALL EXISTING PATHWAY CLOSURES. CONTRACTOR MUST OBTAIN WRITTEN APPROVAL FROM THE CITY ENGINEERING PRIOR

TO CLOSURE OF ANY EXISTING PATHWAYS TO ENSURE THAT ESTABLISHED SAFE WALK ROUTES ARE MAINTAINED. CLOSURE OF EXISTING PATHWAYS THAT ARE NOT DESIGNATED AS SAFE WALK ROUTES MAY BE COORDINATED WITH THE PUBLIC WORKS INSPECTOR.

## **EXISTING UTILITIES NOTES**

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1. CONTRACTOR SHALL CONTACT BLUE STAKES TO LOCATE EXISTING UTILITIES AT LEAST 48 BUSINESS HOURS PRIOR TO ANY CONSTRUCTION PREPARATION OR ACTIVITIES.
2. IT WILL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES SO THAT NO DAMAGE RESULTS TO THEM DURING THE PERFORMANCE OF THE PROJECT.
3. RELOCATIONS AND/OR REPLACEMENT OF EXISTING UTILITIES SHALL BE COORDINATED BY THE CONTRACTOR WITH THE OWNER. CONTRACTOR SHALL CONTACT, SCHEDULE AND ESTABLISH UTILITY SHUT DOWN TIMES AND DETERMINE THE RELOCATION AND/OR REPLACEMENT REQUIREMENTS OF EXISTING UTILITIES PRIOR TO THE START OF ANY WORK.
4. CONTRACTOR SHALL ENSURE THAT OPERATION OF EXISTING IRRIGATION, SEWER, DRAINAGE, DOMESTIC WATER, AND OTHER UTILITY SYSTEMS ARE IN CONTINUOUS OPERATION DURING CONSTRUCTION. WHERE IT IS NECESSARY TO REMOVE AND REPLACE OR TO RELOCATE UTILITIES OR SERVICE LATERALS IN ORDER TO EXECUTE THE WORK, THEY SHALL BE REMOVED, MAINTAINED, AND PERMANENTLY REPLACED BY THE CONTRACTOR, AT HIS EXPENSE, AND TO THE SATISFACTION AND STANDARDS OF THE UTILITY OWNER.
5. ALL NEW UTILITIES SHALL HAVE A MINIMUM CLEARANCE OF 18 INCHES ABOVE OR BELOW THE EXISTING UTILITY UNLESS OTHERWISE INDICATED IN THESE PLANS OR AS REQUIRED BY THE UTILITY OWNER, WHICHEVER IS MORE STRINGENT.

## **WATER NOTES**

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1. ALL WORK IS TO CONFORM TO HERRIMAN CITY STANDARDS, DRAWINGS, AND SPECIFICATIONS.
2. ALL PIPE FITTINGS SHALL BE MECHANICAL JOINT MEGALUG WITH APPROPRIATE THRUST BLOCKS. ALL DUCTILE IRON FITTINGS SHALL BE MADE IN THE U.S.A. BY TYLER UNION OR APPROVED EQUAL AND HAVE EBBA IRON MEGALUGS OR APPROVED EQUAL ON ALL MECHANICAL JOINTS.
3. ALL VALVES ARE TO BE LOCATED OUTSIDE OF DRIVEWAYS, GUTTERS, CURBS, AND ALLEY GUTTERS.
4. ALL FACILITIES ARE TO BE FILLED, DISINFECTED (EXCEPT FOR SECONDARY WATER), PRESSURE TESTED, FLUSHED, FILLED, AND AN ACCEPTED WATER SAMPLE OBTAINED PRIOR TO CONNECTION TO THE CITY DISTRIBUTION SYSTEM.
5. ALL DRAINS ON SECONDARY LINE TO BE INSTALLED AFTER STORM DRAIN INSTALLATION.
6. ALL HYDRANT ASSEMBLIES TO BE INSTALLED AFTER STORM DRAIN INSTALLATION.
7. ALL DRAINS SHALL BE FIELD ADJUSTED TO LOW POINT BASED ON FIELD PLACEMENT.
8. ALL AIR-VAC ASSEMBLIES SHALL BE FIELD ADJUSTED TO HIGH POINT BASED ON FIELD PLACEMENT.
9. COORDINATE CONNECTION OF EXISTING WATER MAINS WITH HERRIMAN CITY. OPERATION OF ALL EXISTING MAIN LINES VALVE TO BE COORDINATED THROUGH HERRIMAN CITY 48 HOURS IN ADVANCE OF SHUTDOWN. HERRIMAN CITY DOES NOT GUARANTEE WATER SHUT-DOWNS. CONTRACTOR TO DEVISE PLANS TO AVOID WORK STOPPAGES IN THE EVENT A SHUT-DOWN DOES NOT GO AS PLANNED. CONTRACTOR SHALL SUBMIT FOR REVIEW A SEQUENTIAL PLAN FOR CONNECTION, TESTING, AND FLUSHING OF ALL NEW WATER MAINS, HYDRANTS, AND SERVICE CONNECTIONS.
10. PRESSURE TEST ALL PIPELINE TO REQUIRED TEST PRESSURE (SEE NOTE 11) FOR TWO HOURS WITH ZERO LEAKAGE. IN THE CASE OF PIPELINES FAIL TO PASS THE LEAKAGE TEST, THE CONTRACTOR SHALL DETERMINE THE CAUSE OF THE EXCESSIVE LEAKAGE, SHALL TAKE CORRECTIVE MEASURE NECESSARY TO REPAIR THE LEAKS, AND SHALL AGAIN TEST THE PIPELINES..
11. REQUIRED TEST PRESSURE SHALL BE 50 PSI HIGHER THAN WORKING PRESSURE, OR A MINIMUM OF 200 PSI, WHICHEVER IS GREATER. ALL FLANGES, FITTINGS, APPURTENCES ASSOCIATED WITH THE WATER PRESSURE, THRUST BLOCKS, ETC. SHALL BE RATED ACCORDINGLY.
12. INSTALL TRACER WIRE AND CAUTION/IDENTIFICATION TAPE PER HERRIMAN CITY STANDARDS.
13. PLACE PERMANENT, CONTINUOUS MAGNETIC PLASTIC TAPE, 6" WIDE BY 4 MILS THICK ABOVE WATERLINES PER THE DETAILS. TAPE SHALL READ "CAUTION: BURIED INSTALLATION BELOW"
14. CONTRACTOR SHALL BACKFILL TRENCH AREAS WHERE NEW WATERLINE CROSS UNDER EXISTING BURIED UTILITIES WITH FLOWABLE FILL (SOIL CEMENT BACKFILL) IN ACCORDANCE WITH APWA STANDARDS, WHERE MECHANICAL COMPACTION CANNOT BE ADEQUATELY PERFORMED.

15. ALL BURIED REBAR, FITTINGS, COUPLINGS MCA VALVES AND MECHANICAL JOINT NUTS AND BOLTS ARE TO BE COATED WITH NON OXIDE GREASE CHEVRON FM 2 OR APPROVED EQUAL, COVERED WITH 8 MIL POLYETHYLENE SHEETING, AND TAPE WRAPPED.
16. CONTRACTOR SHALL PROTECT ADJACENT PRESSURE PIPELINE AND CONSTRUCTION INCLUDING EXISTING VALVES, TEES, BENDS, ETC. ALL NEW PRESSURE PIPE AND FITTINGS SHALL HAVE THRUST RESTRAINT JOINTS, THRUST BLOCKS, THRUST TIES OR OTHER APPROVED THRUST RESTRAINT. THRUST PROTECTION SHALL BE ADEQUATE FOR THE TEST PRESSURE SPECIFIED.
17. ALL FITTINGS REQUIRED FOR THE COMPLETION OF THE WORK ARE NOT SHOWN IN THE DRAWINGS. MAXIMUM PIPE JOINT DEFLECTION SHALL BE 50 PERCENT OF MANUFACTURE RECOMMENDATIONS. ADDITIONAL FITTINGS REQUIRED TO MAINTAIN THE ALIGNMENT SHOWN IN THE PLAN SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
18. UTILITY PIPING SHALL BE IN ACCORDANCE WITH PROJECT SPECIFICATIONS. ALL UTILITY PIPING, SERVICE CONNECTIONS, METERS, AND ETC. SHALL CONFORM TO HERRIMAN CITY AND APWA STANDARD PLANS, SPECIFICATIONS AND DETAILS. WATER SYSTEM CONNECTIONS TO BE "HOT TAPPED" UNLESS OTHERWISE APPROVED BY THE OWNER.

#### **QUALITY CONTROL AND INSPECTION NOTES**

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1. CONTRACTOR SHALL EMPLOY AND PAY FOR THE SERVICES OF A QUALIFIED INDEPENDENT TESTING CONSULTANT, APPROVED BY THE OWNER, TO PERFORM QUALITY ASSURANCE FOR THE TESTING: SOIL COMPACTION CONTROL/MATERIAL AGGREGATE CONTROL.
2. PROVIDE A QUALITY CONTROL PROGRAM WHICH INCLUDES PROCEDURES AND ORGANIZATION SO EQUIPMENT, CONSTRUCTION OPERATIONS, AND INSPECTIONS COMPLY.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY SCHEDULING INSPECTION AND TESTING.
4. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL CONSTRUCTION QUALITY CONTROL, TESTING INCLUDING SOILS, BACKFILL CONCRETE, WATERLINE, ETC.



## TRAFFIC NOTES

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1. THE CONTRACTOR SHALL PREPARE AND SUBMIT A TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL BY HERRIMAN CITY. WORK WILL NOT BEGIN UNTIL THE PLANS HAVE BEEN APPROVED.
2. NO FULL ROAD CLOSURES WILL BE PERMITTED UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER IN WRITING. CONTRACTOR MUST MAINTAIN TWO DIRECTIONS OF TRAFFIC AT ALL TIMES FOR ALL ROADS AND ROAD CROSSINGS.
3. ALL TRAFFIC CONTROL IS TO BE PROVIDED BY THE CONTRACTOR. ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION IS TO CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION. JORDAN SCHOOL DISTRICT SHALL BE NOTIFIED WHEN WORK ENCROACHES INTO A "SAFE SCHOOL WALKING ROUTE". CONTRACTOR SHALL COORDINATE EFFORTS WITH LOCAL SCHOOL CROSSING GUARDS TO ENSURE SAFETY OF THE STUDENTS. CONTRACTOR SHALL NOTIFY UPD AND UFA OF ANY ROAD CLOSURES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PERMANENT SIGNS SHOWN ON THE PLANS. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CURRENT CITY STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT CITY STANDARDS.
5. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ONTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR PER APPROVED CONSTRUCTION DRAWINGS UNLESS APPROVED BY THE CITY ENGINEER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING UTAH TRANSIT AUTHORITY (UTA) IF THE CONSTRUCTION INTERRUPTS OR RELOCATES A BUS STOP OR HAS AN ADVERSE EFFECT ON BUS SERVICE ON THAT STREET TO ARRANGE FOR TEMPORARY RELOCATION OF STOP.
7. BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL INSTALL TEMPORARY STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING PUBLIC STREETS.
8. ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) PER THE CURRENT EDITION ADOPTED BY UDOT AND BE APPROVED BY THE CITY BEFORE CONSTRUCTION BEGINS.

## EROSION CONTROL NOTES

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1. CONTRACTOR SHALL HAVE AN APPROVED STORM WATER POLLUTION AND PREVENTION PLAN (SWPPP) BY THE UTAH STATE DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ) ON SITE IN PLAIN VIEW AT ALL TIMES THROUGHOUT THE LENGTH OF THE PROJECT AND UNTIL A FORMAL NOTICE OF TERMINATION (NOT) HAS BEEN FILED AND COMPLETED WITH THE DEQ.
2. CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL CONSTRUCTION ACTIVITIES CONFORM TO THE APPROVED SWPPP, THE EROSION CONTROL PLAN, AND IN ACCORDANCE WITH THE LOCAL MS4 PERMIT REQUIREMENTS.
3. CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO PROVIDE AND MAINTAIN ALL TEMPORARY BEST MANAGEMENT PRACTICES (BMP) PER THE APPROVED SWPPP.
4. DUST CONTROL SHALL BE PROVIDED AT ALL TIMES.
5. AT ALL TIMES DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING AND CONTROLLING EROSION DUE TO WIND AND RUNOFF. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR MAINTAINING REQUIRED EROSION CONTROL FACILITIES.
6. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED DUE TO UNFORESEEN PROBLEMS OR IF THE PLAN DOES NOT FUNCTION AS INTENDED. A REPRESENTATIVE HERRIMAN CITY MAY REQUIRE ADDITIONAL CONTROL DEVICES UPON INSPECTION OF PROPOSED FACILITIES.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE STREETS CLEAN AND FREE FROM DEBRIS FROM TRAFFIC FROM THE SITE.
8. ALL STORM DRAIN FACILITIES ON SITE AND ADJACENT TO THE SITE NEED TO BE PROTECTED FROM SITE RUNOFF. INLET PROTECTION DEVICES SHALL BE INSTALLED IMMEDIATELY UPON INDIVIDUAL INLETS BECOMING FUNCTIONAL.
9. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE SEEDED WITH APPROPRIATE NATIVE SEED MIX OR LANDSCAPED ACCORDING TO APPROPRIATE CITY REQUIREMENTS.
10. ALL WASH WATER, CONCRETE WASH OUTS, CONCRETE TRUCKS, AND VEHICLE CLEANING, ETC. SHALL BE DISPOSED OF IN A MANNER THAT PREVENTS CONTACT WITH STORM WATER DISCHARGES FROM THE SITE AND IN COMPLIANCE WITH THE APPROVED SWPPP AND PER MS4 PERMIT REQUIREMENTS.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE TEMPORARY BMPS (SILT FENCES, STRAW BALES, STABILIZED CONSTRUCTION ENTRANCES, ETC.) AS NECESSARY DUE TO CHANGES DURING THE DEVELOPMENT OF THE PROJECT.
12. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY. THIS INCLUDES BACKFILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF BITUMINOUS PAVING FOR ROAD CONSTRUCTION.
13. ALL MEASURES CONTAINED IN THIS PLAN SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES

SHALL BE CHECKED ACCORDING TO THE SWPPP AND AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A RAINFALL EVENT, WHICHEVER IS MORE STRINGENT. ANY NEEDED CLEANING AND REPAIRS NEED TO BE DONE IMMEDIATELY UPON DISCOVERY.

14. DUST, MUD AND EROSION SHALL BE CONTROLLED BY WHATEVER MEANS NECESSARY, AND THE ADJACENT ROADWAY SHALL BE KEPT FREE OF MUD AND DEBRIS AT ALL TIMES.
15. CONTRACTOR SHALL TAKE ALL NECESSARY AND PROPER PRECAUTIONS TO PROTECT ADJACENT PROPERTIES FROM ANY AND ALL DAMAGE THAT MAY OCCUR FROM STORM WATER RUNOFF/OR DEPOSITION OF DEBRIS RESULTING FROM ANY AND ALL WORK IN CONNECTION WITH CONSTRUCTION.

## **BACKFILL, COMPACTION, AND EMBEDMENT NOTES**

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1. DO NOT STORE CONSTRUCTION MATERIAL ON STREETS, ROAD OR HIGHWAYS UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
2. DO NOT PLACE, SPREAD OR ROLL ANY FILL MATERIAL DURING UNFAVORABLE WEATHER CONDITIONS. DO NOT RESUME OPERATIONS UNTIL MOISTURE CONTENT IS AT +/- 2% OF OPTIMUM OR AS APPROVED BY ENGINEER.
3. PROVIDE BERMS OR CHANNELS AS NECESSARY TO PREVENT FLOODING OR SATURATION OF SUBGRADE. PROMPTLY REMOVE ALL WATER COLLECTING IN DEPRESSIONS BY APPROVED MEANS AS NECESSARY.
4. CONTRACTOR SHALL ENSURE THAT HERRIMAN CITY GIS DEPARTMENT HAS OBTAINED SURVEY SHOTS/RECORD OF ALL HERRIMAN CITY UTILITIES (INCLUDING PRIVATE STORM DRAIN PIPES AND FACILITIES) PRIOR TO BACKFILLING. ANY UTILITIES COVERED PRIOR TO GIS SURVEY SHOTS WILL BE SUBJECT TO REMOVAL OF BACKFILL MATERIALS AND/OR PAVEMENT TO ALLOW FOR CITY GIS SURVEY DEPARTMENT TO COLLECT AS-BUILT SURVEY SHOTS OF THE NEW UTILITY.
5. DO NOT PLACE BACKFILL ON FROZEN OR SNOW COVERED GROUND.
6. MAINTAIN MINIMUM COVER OF ONE FOOT OVER PIPE LINES DURING CONSTRUCTION OR AS REQUIRED BY ENGINEER OR MATERIAL MANUFACTURE'S RECOMMENDATION.
7. THE PIPE ZONE IS DEFINED AS THE AREA FROM THE BOTTOM OF THE PIPE TO TWELVE INCHES ABOVE THE TOP OF THE PIPE.
8. DO NOT BACKFILL THE TRENCH UNTIL THE INSTALLATION HAS BEEN APPROVED BY THE PUBLIC WORKS INSPECTOR.
9. MATERIALS USED FOR BACKFILLING IN BOTH THE PIPE ZONE AND TRENCH BACKFILL SHALL CONFORM TO LATEST EDITION OF HERRIMAN CITY AND APWA STANDARDS AND SPECIFICATIONS.
10. CONTRACTOR IS SOLELY RESPONSIBLE FOR CONFORMANCE WITH LOCAL AND FEDERAL CODES GOVERNING SHORING AND BRACING OF EXCAVATIONS AND TRENCHES. CONTRACTOR IS RESPONSIBLE FOR THE SAFETY OF THE PUBLIC AND PROTECTION OF PERSONNEL AND WORKERS.