- NO REVISIONS SHALL BE MADE TO THESE PLANS WITHOUT THE APPROVAL OF THE ENGINEER ALL PROPOSED REVISIONS SHALL BE SUBMITTED BY THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL BY THE STATE OF IDAHO.
- 3. ALL SAFETY STANDARDS AND REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND COMPLIED WITH AS SET FORTH BY OSHA
- 4. EXISTING UTUITES SHALL BE LOCATED BY CONTACTING CALL BEFORE YOU DIG AT 811, AT LEAST 48 HOURS PRIOR TO STARTING ANY EXCAVATIONS. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTUITY COMPANIES PRIOR TO STARTING WORK NEAR ANY FACILITIES AND SHALL COORDINATE THEIR WORK WITH
- 5. WORK SHALL NOT BEGIN UNTIL A PERMIT AND NOTICE TO PROCEED IS ISSUED BY THE CITY OF PONDERAY.
- 6 THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEERING INSPECTOR AT LEAST 48 HOURS PRIOR TO STARTING WORK OR PROCEEDING WITH NEW PHASES OF CONSTRUCTION. ALL INSPECTIONS SHALL BE SCHEDULED WITH A MINIMUM 24-HOUR NOTICE PRIOR TO TESTING.
- 7. AN APPROVED SET OF IMPROVEMENT PLANS SHALL BE KEPT ON THE JOB SITE AT ALL TIMES.
- THE CONTRACTOR SHALL MAINTAIN THE STREETS, SDEWALKS, AND ALL OTHER PUBLIC RIGHTS-OF-WAY IN A CLEAN, SAFE AND USEABLE CONDITION ALL SOIL, ROOK, OR COMSTRUCTION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION, AND UPON COMPLETION OF THE PROJECT ALL PADSCENT PROPERTY, PROVIDED FROM THE PUBLICLY SHALL BE MAINTAINED IN A CLEAN, SAFE AND DEBBLE CONDITION.
- 9. EXISTING PROPERTY CORNERS OR SURVEY MONUMENTS SHALL BE PROTECTED DURING THE COURSE OF CONSTRUCTION ANY DAMAGED OR OBLITERATED CORNERS OR MONUMENTS SHALL BE RE-ESTABLISHED BY PROFESSIONAL SURVEYORS, LICENSED TO WORK IN THE STATE OF IDAHO, PRIOR TO FINAL ACCEPTANCE
- 10. TREES NOT IDENTIFIED FOR REMOVAL SHALL BE PRESERVED OR PROTECTED IN AN APPROVED MANOR PRIOR TO COMMENCEMENT OF GRADING OPERATIONS.
- 11. THE ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF EROSION AND SEDIMENTATION CONTROL MEASURES FRIOR TO THE START OF CONSTRUCTION, AND AS RECESSARY DURING THE COURSE OF THE PROJECT. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THESE PLANS, AND THE "CATALOG OF STORM WATER BEST MANAGEMENT PRACTICES FOR IDAHO CITIES AND COUNTIES" AS PREPARED BY THE IDAHO DIVISION OF ENVIRONMENTAL QUALITY.
- ALL CONCRETE, UNLESS OTHERWISE SPECIFIED, SHALL BE COMMERCIAL GRADE PORTLAND CEMENT WITH AIR ENTRAINMENT (6.5% +/-1.5%), AND A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI.
- 14. UNDERGROUND UTILITY LATERALS SHALL BE INSTALLED AND APPROVED BEFORE CONSTRUCTION OF CURBS, CROSS GUTTERS, SIDEWALKS OR THE SURFACING OF STREETS.
- 15. SURFACE RESTORATION OF ROADWAY CUTS SHALL COMPLY WITH THE CITY'S ROADWAY CUT POLICY, PERMANENT ROADWAY PATCHING SHALL BE PLACED WITHIN 7. DAYS OF THE INITIAL ROADWAY CUT. TEMPORARY PATCHING THAT UTILIZES A MINIMUM OF 2 INCHES OF A SPHALT CONCRETE (COLD MIX) SHALL BE PLACED WITHIN 24 HOURS OF THE INITIAL ROADWAY CUT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE PROPARY PATCHING.
- 16 TRENCHES AND ROADWAY CUTS WITHIN PUBLIC EASEMENTS OR RIGHTS-OF-WAY SHALL BE COMPACTED IN ACCORDANCE WITH SD 301. COMPACTION TE SHALL BE CERTIFIED BY THE ENGRIEER OF RECORD AND SUBMITTED TO THE CITY ENGINEER FOR APPROVAL PRIOR TO ANY PAVING AND FINAL ACCEPTA MANAGEMENT.
- OPERATIONS CONDUCTED ON THE PREMISES SHALL BE RESTRICTED TO THE HOURS BETWEEN 600 A.M. AND 10.00 P.M., UNLESS OTHERWISE APPROVED BY THE CITY. THIS INCLUDES THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF TRUCKS, EARTHMOVING EQUIPMENT, CONSTRUCTION EQUIPMENT OR ANY OTHER ASSO
- 18. IMPROVEMENTS SHALL BE JOINED OR MATCHED IN A MAINER SATISFACTORY TO THE CITY ENGINEET. THIS INCLUDES ALL UTILITY CONNECTIONS AND NECESSARY SAW CUTTING, REMOVAL, REPLACEMENT, EXTENSION, AND CAPPING ASSOCIATED WITH CURB AND GUTTER, SIDEWALKS, SWALES, ASPHALT, CONCRETE OR OTHER PAVING.
- 19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL, IN ACCORDANCE WITH THE MULT CID., CURRENT EDITION AT LEAST 45 HOURS PRIOR TO DISRUPTION OF ANY TRAFFIC, TRAFFIC CONTROL, PLANS SHALL BE PREPARED AND SUBMITTED TO THE CITY, NO WORK SHALL COMMENCE UNTIL A PERMIT IS ISSUED AND ALL PRIVACE TRAFFIC CONTROL IS IN PLACE.
- 20. DISTURBED AREAS OF THE PUBLIC RIGHTS-OF-WAY SHALL BE TOP COATED WITH A MINIMUM OF 1 INCH OF TOPSOIL AND SEEDED WITH A DRY LAND MIX
- 21. INFORMATION ON EXISTING CONDITIONS AND BOUNDARIES / RIGHT OF WAY SHOWN ON THESE PLANS WAS OBTAINED FROM A SURVEY PERFORMED BY COFFMAN ENGINEERS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND REQUIRED ELEVATIONS AT THE SUBJECT SITE. VERIFY THE LOCATION AND SIZE OF EXISTING UTULITES BEFORE PROCECEDING WITH CONSTRUCTION ACTIVITIES, INCLUDING UNDERGROUND AND OVERHEAD UTILITES, UTILITY STRUCTURES, POINTS OF CONNECTION, AND UTILITY CROSSINGS. NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR EXCEPTIONS ENCONTERED PRIOR TO PROCEEDING.
- 22. THE CONTRACTOR SHALL HAVE A COMPLETE SET OF APPROVED PLANS ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS. 23. THE CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO COMPLETE THIS PROJECT IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS, INCLUDING SUCH INCIDENTALS AS MAY BE NECESSARY TO MEET THE REQUIREMENTS AND STANDARDS OF THE AUTHORITIES HAVING JURISDICTION.
- 24. THE DRAWINGS INDICATE LOCATIONS, DIMENSIONS, REFERENCES, AND TYPICAL DETAILS OF CONSTRUCTION. THE DRAWINGS DO NOT INDICATE EVERY CONDITION. WORK NOT FULLY DETAILED SHALL BE OF CONSTRUCTION SMILLAR TO PARTS THAT ARE FULLY DETAILED.
- 25. THE CONTRACTOR SHALL OBTAIN THE APPROPRIATE APPROVALS AND PERMITS FROM THE AUTHORITIES HAVING JURISDICTION FROM TO PROCEEDING WITH CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL COORDINATE WITH THE AUTHORITIES HAVING JURISDICTION TO CONFIRM INSPECTION, TESTING, AND CERTIFICATION REQUIREMENTS.
- 26. CONSTRUCTION SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG).
- EXISTING PROPERTY CORNERS AND SURVEY MONUMENTS SHALL BE PROTECTED DURING CONSTRUCTION. ANY DAMAGED OR OBLITERATED CORNERS OR MONUMENTS SHALL BE RE-ESTABLISHED BY A PROFESSIONAL SURVEYOR AT THE CONTRACTOR'S EXPENSE.
- 28. THE CONTRACTOR SHALL HAVE THE APPROPRIATE LICENSES TO PERFORM THE SPECIFIED WORK IN CONFORMANCE WITH THE AUTHORITIES HAVING JURISDICTION
- REFER TO ARCHITECTURAL AND STRUCTURAL DOCUMENTS FOR ADDITIONAL INFORMATION REGARDING CONSTRUCTION OF STRUCTURES, ENCLOSURES, STARS, SIDEWALKS/PATHS, LANDINGS/PATIOS, FENCING, RAILING, AND GATES.
- 30. RECORD DRAWINGS IDENTIFYING AND ACCURATELY LOCATING SUBSURFACE UTILITIES AND IMPROVEMENTS AND NOTING AS-CONSTRUCTED CONDITIONS SHALL BE PROVIDED BY THE CONTRACTOR AT THE END OF CONSTRUCTION.

EROSION & SEDIMENT CONTROL NOTES

- THE FOLLOWING CONSTRUCTION SEQUENCE IS RECOMMENDED AS A GUIDELINE IN ORDER TO BEST MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENTATION
- ONTROL PROBLEMS:

 a) CLEAR AND GRUB SUFFICIENTLY FOR INSTALLATION OF TEMPORARY EROSION AND SEDIMENT CONTROL (ESC) BEST MANAGEMENT PRACTICE MEASURES

- 3 CLEAR ADUI GROB SUPFICIENTLY FOR RIS INLEATION OF TEMPORARY E ROUSING HAVE DEBUGGED FOR THE REST STEPS FO
- INSPECT ALL ROADWAYS, AT THE END OF EACH DAY, ADJACENT TO THE CONSTRUCTION ACCESS ROUTE. IF IT IS EVIDENT THAT SEDIMENT HAS BEEN TRACKED OFF SITE AND/OR BEYOND THE ROADWAY APPROACH, CLEANING IS REQUIRED.
- IF SEDIMENT REMOVAL IS NECESSARY PRIOR TO STREET WASHING, IT SHALL BE REMOVED BY SHOVELING OR PICKUP SWEEPING AND TRANSPORTED TO A
 CONTROLLED SEDIMENT DISPOSAL AREA.
- IF STREET WASHING IS REQUIRED TO CLEAN SEDIMENT TRACKED OFF SITE, ONCE SEDIMENT HAS BEEN REMOVED, STREET WASH WASTEWATER SHALL BE CONTROLLED BY PUMPING BACK ON-SITE OR OTHERWISE PREVENTED FROM DISCHARGING INTO SYSTEMS TRIBUTARY TO WATERS OF THE STATE.
- 5. RESTORE CONSTRUCTION ACCESS ROUTE EQUAL TO OR BETTER THAN THE PRE-CONSTRUCTION CONDITION
- 6. RETAIN THE DUFF LAYER, NATIVE TOPSOIL, AND NATURAL VEGETATION IN AN UNDISTURBED STATE TO THE MAXIMUM EXTENT PRACTICAL
- INSPECT SEDIMENT CONTROL BMPS WEEKLY AT A MINIMUM, DALY DURING A STORM EVENT, AND AFTER ANY DISCHARGE FROM THE SITE (STORMWATER OR NON-STORMWATER). THE INSPECTION FREQUENCY MAY BE REDUCED TO ONCE A MONTH IF THE SITE IS STABILIZED AND INACTIVE.

6 CONTROL FUGITIVE DUST FROM CONSTRUCTION ACTIVITY IN ACCORDANCE WITH THE STATE AND/OR LOCAL AIR QUALITY CONTROL AUTHORITIES WITH JURISDICTION OVER THE PROJECT AREA. DO NOT USE WATER WHEN IT MAY DAMAGE ADJACENT CONSTRUCTION OR CREATE HAZARDOUS OR OBJECTION CONDITIONS, SUCH AS ICE, FLODONIS, AND POLILLION.

- 9. STABILIZE EXPOSED UNWORKED SOILS (INCLUDING STOCKPLES), WHETHER AT FINAL GRADE OR NOT, WITHIN 10 DAYS DURING THE REGIONAL DRY SEASON (AUTHROUGH SEPTEMBER 30) AND WITHIN 5 DAYS DURING THE REGIONAL WET SEASON (OCTOBER 1 THROUGH JUNE 30), SOILS NIJUST DE STABILIZED AT THE END C SHIFT BEFORE A HOLIDAY MEEKENED IF RECEDED DASED ON THE WEATHER FORECAST. THIS TIME LIMIT MAY ONLY BY A DAILYSTED BY A LOCAL JURISDICTION TO CAUSE OF THE PROPERTY O
- 10. PROTECT INLETS, DRYWELLS, CATCH BASINS AND OTHER STORMWATER M NAGEMENT FACILITIES FROM SEDIMENT, WHETHER OR NOT FACILITIES ARE OPERABLE
- 12. INSPECT INLETS WEEKLY AT A MINIMUM AND DAILY DURING STORM EVENTS.
- CONSTRUCT STORMWATER CONTROL FACILITIES (DETENTION/RETENTION STORAGE POND OR SWALES) BEFORE GRADING BEGINS. THESE FACILITIES SHALL BE OPERATIONAL BEFORE THE CONSTRUCTION OF IMPERVIOUS SITE IMPROVEMENTS.
- 14. STOCKPILE MATERIALS (SUCH AS TOPSOIL) ON SITE, KEEPING OFF OF ROADWAY AND SIDEWALKS.
- COVER, CONTAIN AND PROTECT ALL CHEMICALS, LIQUID PRODUCTS, PETROLEUM PRODUCT, AND NON-INERT WASTES PRESENT ON SITE FROM VANDALISM, USE SECONDARY CONTAINMENT FOR ON-SITE FUELING TANKS.
- CONDUCT MAINTENANCE AND REPAIR OF HEAVY EQUIPMENT AND VEHICLES INVOLVING OIL CHANGES, HYDRAULIC SYSTEM REPAIRS, SOLVENT AND DE-GREASIN OFFERATIONS, FUEL TANK DRAIN DOWN AND REMOVAL, AND OTHER ACTIVITIES THAT MAY RESULT IN DISCHARGE OF SPILLAGE OF POLULIAINTS TO THE GROUND INTO STORMWATER RUNOFF USING SPILLAFEVER FOLLOWING ANY DISCHARGE OR SPILL INCIDENT, FRANING OVER EQUIPMENT OR VEHICLE, PERFORM EMERGENCY REPAIRS ON SITE USING TEMPORARY PLASTIC BENEATH THE VEHICLE.
- 17. CONDUCT APPLICATION OF AGRICULTURAL CHEMICALS, INCLUDING FERTILIZERS AND PESTICIDES, IN SUCH A MAINER, AND AT APPLICATION RATES, THAT INHIBITS THE LOSS OF CHEMICALS INTO STORMATER RUNOFF FACILITIES, AMEND MANUFACTURER'S RECOMMENDED APPLICATION RATES AND PROCEDURES TO MEET THIS RECOMPREMENT, IF NECESSARY.

- INSPECT ON A REGULAR BASIS (AT AMMINIUM WEEKLY, AND DAILY DURING/AFTER A RUNOFF PRODUCING STORM EVENT) AND MAINTAIN ALL EROSION AND SEDMENT CONTROL BURS TO ENSURE SUCCESSFUL FERF ORMANCE OF THE BURS. NOTE THAT INLET PROTECTION DEVICES SHALL BE CLEANED OR REMOVED AND REPRACED BEFORE SIX MICHES OF SEDMENT CAN ACCUMULATE.
- REMOVE TEMPORARY ESC BMPS WITHIN 33 DAYS AFTER THE TEMPORARY BMPS ARE NO LONGER NEEDED, PERMANENTLY STABILIZE AREAS THAT ARE DISTURBED DURING THE REMOVAL PROCESS.
- 20. PROVIDE TEMPORARY EROSION AND SEDMENTATION CONTROL MEASURES TO PREVENT SOIL BROSION AND DISCHARGE OF SOIL-BEARING WATER RUNOFF O ARBORNE DUST TO ADJACENT PROPERTIES, ACCORDING TO REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION. THE CONTRACTOR SHALL COMPLY WIT REQUIREMENTS FOR STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITY, INCLUDING DESTAURING THE APPROPRIATE FERMINS AND APPROPRIATE OF AUTHORITIES OF AUTHO
- 21. EROSION CONTROL MEASURES IN ADDITION TO THOSE INDICATED AS PART OF THIS PLAN MAY BE REQUIRED DUE TO UNFORESEEN CONDITIONS, IF THE MEASURES DO NOT FUNCTION AS INTENDED, OR IF THE AUTHORITIES HAVING JURISDICTION DETERMINE INDICATED MEASURES ARE INADEQUATE.
- 22. FILTER FENCE SHALL BE USED TO AID IN CONTAINING ANY SEDIMENT ON THE SITE DURING CONSTRUCTION. STABILIZED CONSTRUCTION ENTRANCES SHALL BE USED A FORMED OF INGRESS AND EGRESS FOR CONSTRUCTION VEHICLES. STORM DRAIN WHET PROTECTION SHALL BE USED ON ALL STORM DRAIN STRUCTURE: INCLUDING CATCH BASINS AND DRYWELLS. THE CONTRACTOR SHALL KEEP THE AREAS ADJACENT TO THE STEE INCLUDING ROADWAYS AND PARKING LOTS FREE FROM DEBRIS. REFER TO THE EROSION AND SEDMENT CONTROL IMASURE DEFAULS FOR ADDITIONAL INFORMATION.
- 23. PROVIDE A DESIGNATED, POSTED CONCRETE WASHOUT AREA. THE CONCRETE WASHOUT SHALL NOT BE ALLOWED TO DRAIN OFF THE SITE OR INTO ANY EXISTING OR FUTURE STORM DRAINAGE FACILITIES. HARDENED CONCRETE WASHOUT SHALL BE BROKEN UP AND REMOVED FROM THE SITE.
- 24 LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.
- 25. CONTRACTOR SHALL MAINTAIN A COPY OF SWPPP ON PROJECT SITE DURING CONSTRUCTION

DEMOLITION NOTES

- MAINTAIN EXISTING UTLITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING DEMOLITION OPERATIONS. DO NOT INTERRUPT EXISTING UTLITIES SERVING ADJACENT OCCUPED OR OPERATING FACULIES UNLESS AUTHORIZED BY OWNER AID AUTHORITIES HAVING JURISDICTION PROVIDE TEMPORARY SERVICES DIVINGIA STREAM FOR TO STATISTIC UTLITIES, AS ACCEPTABLE TO OWNER AND AUTHORITIES HAVING JURISDICTION.
- 2 COORDINATE DEMOLITION OPERATIONS AND ANY REQUIRED UTILITY RELOCATIONS WITH THE OWNER AND APPROPRIATE UTILITY PURVEYOR, INCLUDING REQUIREMENTS AND SCHEDULING
- COORDINATE EXTENT OF DEMOLITION WITH PROPOSED IMPROVEMENTS. CONTRACTOR SHALL REVIEW THE PROJECT LIMITS TO DETERMINE THE QUANTITY AND TYPE OF DEMOLITION WASTE MATERIAL AND DEBINS TO SE INCLUDED IN THEIR BID. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING, AND RELOCATED IF MICESSARY, ANY TIEMS NOT OTHERWISE NOTED THAT CONFLICT WITH THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY CONFLICTING ITEMS NOT SHOWN ON THE PLANS THAT MUST BE REMOVED OR RELOCATED.
- 4 COMPLY WITH GOVERNING EPA NOTIFICATION REGULATIONS BEFORE BEGINNING DEMOLITION. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION.
- 5 IF MATERIALS SUSPECTED OF CONTAINING HAZARDOUS MATERIALS ARE ENCOUNTERED, DO NOT DISTURB; IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER AND
- CONDUCT DEMOLITION ACTIVITIES AND DEBRIS REMOVAL OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, WALKWAYS, AND OTHER ADJACENT FACILITIES.
- 7. REMOVE OBSTRUCTIONS, TREES, SHRUBS, GRASS, AND OTHER VEGETATION TO PERMIT INSTALLATION OF NEW CONSTRUCTION, REMOVAL OF TREES AND SHRUBS WITHIN AREA OF NEW CONSTRUCTION SHALL INCLUDE DIGGING OUT STUMPS AND OBSTRUCTIONS AND GRUBEING ROOTS. REMOVAL OF TREES IN AREAS ADJACE TO TREES THAT ARE TO REMAIN AND BE PROTECTED SHALL INCLUDE TIER ERMOVAL AND GRINDING OF STUMP TO 3' BELOW FINISHED GRADE. STUMP AND ROOT REMOVAL IS NOT ALLOWED IN THESE AREAS TO PRESERVE HEALTH OF ADJACENT TREES.
- 8 AREAS DISTURBED OR DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE CONSTRUCTED OR RESTORED TO ORIGINAL CONDITIONS OR BETTER, TO THE SATISFACTION OF THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING CONDITIONS PRIOR TO CONSTRUCTION ACTIVITIES AND ANY DAY MAY OCCUR.
- REMOVE DEMOLITION WASTE MATERIALS AND DEBRIS FROM PROJECT SITE AND LEGALLY DISPOSE OF THEM IN AN EPA-APPROVED LANDFILL ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.

EARTHWORK & GRADING NOTES

- 1. CUTS AND FILLS SHALL BE CONFINED TO THE LIMITS INDICATED WITHIN THE APPROVED GRADING PLANS.
- 2. THE CONTRACTOR SHALL INSURE THAT ALL TEMPORARY SLOPES ARE STABLE AND THAT APPROPRIATE EROSION MEASURES ARE IN PLACE AND MAINTAINED
- 3. GROUNDWATER OR UNANTICIPATED GEOLOGIC CONDITIONS SHALL BE REPORTED TO THE GEOTECHNICAL ENGINEER FOR ASSESSMENT AND RECOMMENDATIONS
- COMPACTION EFFORTS SHALL BE MONITORED AND TESTED BY AN EXPERIENCED SOILS TECHNICIAN, UNDER THE SUPERVISION OF A LICENSED GEOTECHNICAL ENGINEER REPRESENTING THE OWNER.
- 5. MASS GRADING SHALL BE MONITORED, TESTED, AND CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER (GEOTECHNICAL ENGINEER).
- 6 CONTRACTOR IS TO NOTIFY THE GEOTECHNICAL ENGINEER, 48 HOURS PRIOR TO EACH AND EVERY START OR STOPPING OF CONSTRUCTION, EACH TIME A LIFT OF GRADING IS READY FOR INSPECTION, FAILURE TO NOTIFY MAY RESULT IN CONTRACTOR REMOVING ANY MATERIAL THAT HAS NOT BEEN INSPECTED.
- AREAS SHALL BE STRPPED OF ORGANIC TOP SOIL AND NON-ENGINEERED FILL; IN ADDITION TO ALL BRUSH, STUMPS, AND ROOTS. ONSITE DISPOSAL OF ORGANI MATERIALS IS NOT ALLOWED. THE GEOTECHNICAL ENGINEER SHALL REVIEW AND APPROVE ALL STRIPPED AND CLEARED AREAS PRIOR TO PLACEMENT OF FILL. PRIOR TO PLACING FILL, THE CLEARED AREAS SHALL BE SCARPIED AND COMPACTED.
- FILLS SHALL CONSIST OF WELL GRADED SANDS AND GRAVELS, WITH A MAXIMUM PARTICLE SIZE OF SIX INCHES, AND NO MORE THAN 20% PASSING THE NO. 200 SIEVE. THE GEOTECHNICAL ENGINEER SHALL PRE-APPROVE ALL IMPORT SOIL SOURCES.
- 9. BOULDERS AND COBBLES GREATER THAN 6 INCHES APPEARING IN THE EXCAVATION TO A DEPTH OF AT LEAST 4 INCHES BELOW SUBGRADE SHALL BE REMOVED.
- FILL MATERIAL SHALL BE DRED OR MOISTENED TO WITHIN 2% OF THE OPTIMUM MOISTURE, PRIOR TO PLACEMENT. LETS SHALL NOT EXCEED EIGHT RICHES, ALL FILL SHALL BE COMPACTED TO AT LEAST 99% OF MODIFIED PROCTOR, MSTM D-1557, AASHTO T-189), WITH THE TOP 12 NICHES WITHIN THE ROADWAY PRISM COMPACTED TO 95% OF THE MODIFIED PROCTOR, MATERIAL TOO COARSE TO TEST PER THE SPECIFIED STANDARDS SHALL BE PLACED IN CONTROLLED LETS UNDER A PERFORMANCE BASED METHOD, AS OUTLINED WITHIN ISPYIC.
- 11. EMBANKMENTS SHALL NOT BE CONSTRUCTED ON FROZEN OR SNOW-COVERED FOUNDATIONS, OR WITH THE USE OF FROZEN MATERIALS.
- EMBANKMENTS CONSTRUCTED ON SLOPES GREATER THAN 5 HORIZONTAL TO 1 VERTICAL (5.1) SHALL BE KEYED INTO THE UNDISTURBED GROUND WITH HORIZONTAL BENCHES OF SUFFICIENT WIDTH TO ALLOW FOR THE PROPER OPERATION OF COMPACTION EQUIPMENT.
- THE FINAL LIMITS OF CUT AND FILL SHALL BE RECORDED WITH THE BOUNDARY TOPOGRAPHY AND SURVEY BY THE ENGINEER OR RECORD. THE GEOTECHNICAL ENGINEER SHALL SUBMIT A CERTIFICATION OF THE FILL, ALONG WITH COPIES OF OBSERVATIONS AND TESTING.
- 14. IN THE EVENT THAT ANY UNFORESEEN CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTERED DURING GRADING OPERATIONS, THE ENGINEER OF RECORD SHALL BE IMMEDIATELY NOTIFIED IN ORDER TO PROVIDE GUIDANCE TO CONTRACTOR.
- 15. SITE PREPARATION, GRADING, EXCAVATION AND FILL REQUIREMENTS BELOW THE PROPOSED IMPROVEMENTS, EMBANKMENTS, AND UTILITY TRENCHING COMPLETED IN CONFORMANCE WITH IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION AND THE GEOTECHNICAL ENGINEERING EVALUATION FOR SUBJECT SITE.
- 16. EXAMINE EXPOSED SUBGRADES AND BASE SURFACES FOR COMPLIANCE WITH REQUIREMENTS FOR DIMENSIONAL, GRADING, AND ELEVATION TOLERANCES, PREVENT SURFACE WATER AND GROUNDWATER FROM ENTERING EXCAVATIONS, FROM PONDING ON PREPARED SUBGRADES AND BASE SURFACES, AND FROM FLOODING FORDIECT SITE AND SURFACENSIA AREA. PROTECT SUBGRADES AND BASE SURFACES FROM SOFTENING, UNDERMINING, WASHOUT, DAMAGE BY RAIN OR WATER ACCUMULATION, AND AGAINST FREEZING TEMPERATURES AND FROST.
- REFER TO ARCHITECTURAL DOCUMENTS FOR ADDITIONAL INFORMATION REGARDING ANY STEPS IN FINISH FLOOR ELEVATION, BASEMENT ELEVATION, AND EXTERIOR DOOR LOCATIONS. COORDINATE ARCHITECTURAL ELEVATIONS WITH SITE GRADING.
- REFER TO LANDSCAPE DOCUMENTS FOR ADDITIONAL INFORMATION REGARDING BERM ELEVATIONS, LANDSCAPE GRADING, LANDSCAPE DRAINS, PLACEMENT OF TOPSOIL, AND COORDINATION BETWEEN LANDSCAPING AND STORM WATER MANAGEMENT IMPROVEMENTS.
- 19. SPOT ELEVATIONS ARE FOR FINISH GRADE UNLESS OTHERWISE NOTED.
- 20. UNLESS ELEVATIONS AND/OR CONTOURS ARE OTHERWISE SHOWN, NEW FINISH GRADE SURFACES SHALL BE PLACED TO ALLOW FOR POSITIVE DRAINAGE TO RUNOFF COLLECTION DEVICES OR FACULTIES. MAINTAIN POSITIVE DRAINAGE AWAY FROM BUILDINGS. IF FIELD GRADE ADJUSTMENTS ARE REQUIRED, THE CONTRACTOR SHALL NOTIFY THE EDISHERE MILEMOSITELY.

- FILL PLACED WITHIN PAVED AREAS SHALL BE COMPACTED TO 99% OF THE MODIFIED PROCTOR, WITH THE EXCEPTION OF THE TOP 12 INCHES OF SUB-GRADE THAT SHALL BE COMPACTED TO 95% OF THE MODIFIED PROCTOR (ASTM D-1557).
- CRUSHED AGGREGATE BASE SHALL CONFORM TO THE IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION, SECTION 802, (TYPE 1) %-INCH MAXIMUM AGGREGATE SIZE, AND SHALL BE COMPACTED TO THE FOLLOWING SPECIFICATIONS:

 ACMOVAYS 99%, MODIFIED PROCTOR
 CURB BASE AND DRIVEWAY APPROACHES: 95%-MODIFIED PROCTOR
 SIDEWALKS OR TRAILS: 99%-MODIFIED PROCTOR
- ASPHALT PAVEMENT SHALL COMFORM WITH IDAHO TRANSPORTATION DEPARTMENT (ITD) SPECIFICATIONS FOR SUPERPAVE. PAVEMENT SHALL BE SP3 PG 58-28 WITH "MAX AGGREGATE SIZE, PAVEMENTS WITH A SECTION OF 3 O'R LESS MAY BE FLACED WITH 1 LIFT, PAVEMENTS WITH A SECTION GREATER THAN 3" SHALL BE PLACED WITH MULTIPLE LIFTS, MINIMUM LIFT THINGRESS OF 15" AND MAXIMUM THICKNESS OF 3".
- 4. NO ASPHALT SHALL BE PLACED ON WET OR FROZEN SURFACES, OR WHEN THE AIR OR GROUND TEMPERATURE IS LESS THAN 40°F. TOP COURSES OR PAVEMENT THICKNESS LESS THAN 2.5 INCHES SHALL NOT BE PLACED WHEN AIR OR GROUND TEMPERATURE IS LESS THEN 50°F, WITHOUT APPROVAL BY THE CITY ENGINEER
- 5. A TACK COAT SHALL BE APPLIED TO ALL ADJACENT CURBS AND JOINTS, PRIOR TO PLACEMENT OF ASPHALTIC CONCRETE
- CONCRETE SHALL NOT BE PLACED ON FROZEN SURFACES, ICE OR SNOW, OR SURFACES WITH A TEMPERATURE GREATER THAN 90 DEGREES F, UNLESS OTHERWISE AUTHORIZED BY THE CITY ENGINEER. CONCRETE PLACEMENT SHALL BE DISCONTINUED WHEN AIR TEMPERATURES REACH 35 DEGREES F AND FALLING.
- CURB AND GUTTER SHALL BE CONSTRUCTED WITHFULL DEPTH CONSTRUCTION EXPANSION JOINTS ADJACENT TO CATCH BASINS, AT COLD JOINTS, AND AT ALL
 RETURNS. WEAKENED PLANE JOINTS ARE REQUIRED EVERY 10 FEET.
- SIDEWALKS SHALL BE CONSTRUCTED WITH FULL DEPTH EXPANSION JOINTS EVERY 20 FEET, AT COLD JOINTS, AND ADJACENT TO STRUCTURES. WEAKENED PLANE
 JOINTS SHALL BE LOCATED EVERY 5 FEET. JOINTS IN THE SIDEWALK SHALL BE ALIGNED WITH CURB JOINTS, AS NEARLY AS PRACTICAL.
- 9. DO NOT APPLY PAVEMENT MATERIALS IF SUBGRADE IS WET OR EXCESSIVELY DAMP, OR IF RAIN IS IMMINENT OR EXPECTED BEFORE TIME REQUIRED FOR ADEQUATE CURE.
- 10. WHERE NEW ASPHALT PAVEMENT JOINS EXISTING ASPHALT, THE EXISTING ASPHALT SHALL BE SAWCUT TO A NEAT, VERTICAL EDGE AND TACKED WITH ASPHALT EMULSION. CONSTRUCTION STAKING FOR CURB AND GUTTER, PAVEMENT GRADES, SIDEWALK GRADES, AND ANY OTHER VERTICAL AND/OR HORIZONTAL ALIGNMENT SHALL BE PROVIDED BY A SURVEYING OR ENGINEERING FIRM CAPABLE OF PERFORMING SUCH WORK.

- SWALES WITHIN AREAS OF MASS GRADING SHALL BE SCARFED A MINIMUM OF 24 INCHES PRIOR TO SHAPING, AND AFTER INSTALLATION OF CURB AND GUTTER.
- DISTURBED AREAS SHALL RECEIVE A MINIMUM 1-NICH DRESSING OF TOP SOIL AND BE HYDRO SEEDED OR SODDED, AS INDICATED ON THE PLANS, SEEDED AREAS WILL NOT BE ACCEPTED UNTIL THE SEED HAS GERMANATED, AND THE GRASS IS THOROUGHLY ESTABLISHED. SODDED AREAS WILL NOT BE ACCEPTED UNTIL THE ROOTS HAVE TAKEN HOLD, AND THE GRASS HAS RECEIVED TWO CUTTINGS.
- 3 CARE SHALL BE TAKEN TO PREVENT COMPACTION OF THE SUB-GRADE IN THE GRASS INFILITATION AREAS OF SWALES IN THE EVENT THE SUB-GRADE SHOULD BE COMPACTED OR RISUPLICIENT PERCOLATION IS DISERVED. TESTING OF THE SUB-GRADE MAY BE RECOVERED AT THE DISCRETION OF THE CITY VENDINGER. IF A SUFFICIENT PERCOLATION IS NOT OSSERVED. THE SUB-GRADE MAY SEE PROVIDED ON THE PROPERTY OF A MAINIMAND EPTH OF 2" AND RETISTED.
- 4 TOPSOL PLACED WITHIN THE SWALES SHALL BE FREE DRAINING, AND PLACED AT A DEPTH GREATER THAN "SINCH AND LESS THAN 3-HICHES. AT CONCRETE SPALLWAYS, FINISHED TOP SOLS, SHALL BE KEPT "12" BELOW THE FINISHED CONCRETE SUBFACE. TO PREVENT COMPACTION OF THE SUB-GRADE AND TOPSOL. WHELED EXPENDED HAVE AND ADDITIONAL BEAUTION OF THE SUB-GRADE AND TOPSOL. WHELED EXPENDED HAVE AND ADDITIONAL BHALL BEAUTION FOR THE CITY ENGINEER. REQUIREMENTS, TESTING OF PERCOLATION RATES THROUGH A CONSTRUCTED SWALE HAVE BE REQUIRED AT THE DISCRETION OF THE CITY ENGINEER.
- 5. SEWER MAINS SHALL BE AIR TESTED IN ACCORDANCE WITH ISPWC, SECTION 501.
- STORM SEWER PIPES AND DRYWELLS SHALL BE SEPARATED A MINIMUM OF 10 FEET HORIZONTALLY FROM DOMESTIC WATER MAINS. CROSSINGS OF WATER MAINS AND SEWER SYSTEMS SHALL HAVE A MINIMUM 18-INCH VERTICAL SEPARATION ANY ARTICIPATED SEPARATION LESS THAN MINIMUM STANDARDS CONTAINED HEREIN, SHALL CONFORM TO THE IDAHO RULES FOR WASTE WATER. (IDAPA 58 01.16).
- ALL FORCE MAINS SHALL BE CONSTRUCTED TO THE LINE AND GRADE INDICATED ON THE APPROVED PLANS, AND HAVE A MINIMUM BURY OF 4 5 FEET TO THE TOP OF THE PIPE FROM FINISH GRADE. FORCE MAINS SHALL BE HYDROSTATICALLY TESTED PER ISPNC, SECTION 401.
- FORCE MAINS SHALL BE INSTALLED WITH CONTINUOUS TRACER WIRE AND PLASTIC MARKING TAPE. TRACER WIRE SHALL BE TESTED PRIOR TO SUB-GRADE APPROVAL.
- 9. SEWER SERVICES SHALL BE SIZED AS SHOWN ON THE CONSTRUCTION PLANS, AND FIELD STAKED FOR GRADE AND ALIGNMENT. A MINIMUM INVERT DEPTH OF 5 FEET BELOW TOP OF CURB AT THE PROPERTY LINE IS REQUIRED. AS BUILT PLANS SHALL SHOW SERVICES WITH STATIONING, OFF-SET AND DEPTH.
- 10. SEWER SERVICES SHALL BE AT RIGHT ANGLES TO THE SEWER MAIN, EXCEPT IN CUL-DE- SACS OR STREET KNUCKLES. DISRUPTION OF EXISTING SEWER SERVICES WHILE MAKING CONNECTION TO EXISTING MAINS IS PROHIBITED, WITHOUT THE SPECIFIC APPROVAL OF THE CITY ENGINEER
- 2. SEWER MAINS SHALL BE MARKED WITH CONTINUOUS PLASTIC MARKING TAPE. THE ENDS OF ALL SERVICES SHALL BE MARKED WITH A MARKER INDICATING THE DEPTH OF BURY TO THE REAREST WICH.
- 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP OF ANY DEBRIS WITHIN NEWLY CONSTRUCTED PIPES, OR THEIR CONJECTIONS TO EXISTING SYSTEMS ALL LINES AND MANHOLES SHALL BE CLEANED AND INSPECTED PRIOR TO PAVING, HYDRANT FLUSHING OF SEVERS IS NOT AN ACCEPTABLE MEANS OF CLEANING.
- 14. SEWER MAINS SHALL BE AIR TESTED IN ACCORDANCE WITH ISPWC. SECTION 501.
- 15 THRUST BLOCKING SHALL BE FORMED IN PLACE AGAINST UNDISTURBED OR COMPACTED SOIL, AND CONFORM TO THE MINIMUM DIMENSIONS SHOWN IN SD 403. THE USE OF PRE-CAST THRUST BLOCKS IS PROHIBITED. BOLTS AND NUTS SHALL BE FREE OF CONCRETE AND ACCESSIBLE BY WRENCH.
- 16. SANITARY SEVER MAINS SHALL BE SEPARATED A MINIMUM OF 10 FEET HORIZONTALLY FROM DOMESTIC WATER LINES. CROSSIGS OF WATER MAINS AND SEWER SYSTEMS SHALL HAVE A MINIMUM 15-TICH VERTICAL SEPARATION WITH THE WATER MAIN BEING CENTERED OVER THE SANITARS SEVERE ANY ANTICIPATED SEPARATION OF PERROR FROM THE MINIMUM STANDARDS CONTAINED HERRIEN BHALL CONFORM TO THE DOAD RULES FOR WASTE WATER, DOADS 45:01:01
- THE INTERNAL COATING OF SEVER FORCE MAIN FITTINGS SHALL BE 40 MILS OF PROTECTO 401 CERAMIC EPOXY COATING AS MANUFACTURED BY PACIFIC STATES
 CAST IRON PIPE CO. OR AN APPROVED EQUAL
- FOR FORCE MAINS THAT HAVE A 12-INCH DIAMETER OR LARGER PLUG VALVES SHALL BE UTILIZED, FOR FORCE THAT HAVE A DIAMETER LESS THAN 12 INCHES GATE
 VALVES SHALL BE UTILIZED. 19. WATER MAINS UP TO 12 RICHES IN DIAMETER SHALL BE PLY AWWA C905, DR 18 PIPE AND SHALL UTILIZE GATE VALVES, WATER MAINS GREATER THAN 12 RICHES, DIAMETER SHALL UTILIZE GOOD, OR 16 PIPE AND SHALL UTILIZE GOOD, OR 16 PIPE AND SHALL UTILIZE GOOD WITH THE TOP OF PIPE 4.5 FEET BELOW FIRMS RHALL BE CONSTRUCTED WITH THE TOP OF PIPE 4.5 FEET BELOW FRIENDRAM GRADE, EXCEPT WHERE OTHERWISE BINDLATE WITH SPECIFIC ELEVATIONS AND APPROVED BY THE CITY FEMILIES. SHALL BE CONSTRUCTED OF POLYETHYLENE TUBING CONFORMING TO AWWA C901, 250 PSILLOCATED AND SIZED AS SHOWN ON THE CONSTRUCTION PLANS.
- 20. 48 HOURS PRIOR TO DISRUPTION, SHUT-OFF OR CONNECTION TO EXISTING WATER SYSTEMS, THE CONTRACTOR SHALL INFORMAND RECEIVE APPROVAL FROM THE CITY. ANY CONNECTION POINTS SHALL BE EXPOSED AT LEAST 24 HOURS PRIOR TO CONNECTION, TO VERIFY LOCATION AND FITTING REQUIREMENTS.
- 21. AT LEAST 24 HOURS PRIOR TO SHUT-OFF, THE CONTRACTOR SHALL NOTIFY ALL AFFECTED PROPERTIES UTILIZING FLYERS, DOOR HANGERS OR LETTERS, NOTIFICATIONS SHALL CONTIAN AT A MINIMUM DATE AND TIME OF SHUTOFF, ANTICIPATED DURATION, CONTRACTOR'S NAME AND PHONE NUMBER, AND AN EMERGENCY CONTACT PERSON AND PHONE NUMBER A COPY OF THE NOTIFICATION SHALL BE PROVIDED TO THE PROVIDED TO THE
- 22. NO CONNECTIONS FOR THE PURPOSE OF OBTAINING WATER SUPPLY DURING CONSTRUCTION SHALL BE MADE, WITHOUT FIRST OBTAINING A PERMIT FROM THE CITY WATER DIVISION
- 23. WATER MAINS AND SERVICES SHALL BE INSTALLED WITH CONTINUOUS TRACER WIRE AND PLASTIC MARKER TAPE. PLASTIC MARKER TAPE SHALL BE INSTALLED 2
 FEET ABOVE THE WATER MAIN. TRACER WIRE SHALL BE INSTALLED ALONG THE TOP OF THE WATER MAIN AND SHALL BE TESTED PRIOR TO SUB-GRADE APPROVAL 24. WATER LIAMS SHALL BE SEPARATED AT LEAST TEN FEET HORIZONTALLY FROM SANITARY OR STORM SEWER SYSTEMS. CROSSING OF WATER MAINS AND SEWER SYSTEMS SHALL HAVE A MINIMAN IS-RIGHY ENTERS. SEPARATION, WITH THE WATER MAIN BEING CENTERED OVER THE SEWER ANY ARTICIPATED SEPARATION DIFFERING FROM THE INMAINM STANDARDS CONTAINED HERBIN, SHALL CONTON ON TO THE OWN ON RUSES FOR WATER (DAYAR SOC) 1-(5).
- 25. MAXIMUM LIMITS OF WATER MAIN JOINT AND PIPE DEFLECTION SHALL BE OBTAINED FROM THE MANUFACTURER, AND SUBMITTED TO THE ENGINEER OF RECORD AND CITY ENGINEER PRIOR TO CONSTRUCTION, WHERE LAYING CONDITIONS REQUIRE PIPE/JOINT DEFLECTION IN EXCESS OF LIMITS SPECEFED BY THE MANUFACTURER. A THRUST ELOCKED FITTING SHALL BE USED.
- 26. WATER MAINS, FRE MAINS, VALVES, FIRE HYDRANTS, SERVICES AND APPURTERANCES SHALL BE INSTALLED, HYDRO STATIC TESTED AT 150 PSI FOR A MINIMUM OF 2 HOURS, BACTERIA TESTED, AND APPROVED, IN ACCORDANCE WITH REFERENCED STANDARDS IN THE GENERAL NOTES AND CITY REQUIREMENTS, PRIOR TO PAYING. RESULTS OF CHLORINATION AND BACTERIA TESTS SHALL BE SUBMITTED AND APPROVED BY THE CITY, PRIOR TO OPERATING VALVES TO PUT NEW MAINS INTO SERVICE.
- 27. WATER MAIN TAPS SHALL BE A MINIMUM OF 16 INCHES APART AND 16 INCHES FROM THE BELL AND STAB ENDS OF THE PIPES.
- DRAWING PLANS AND DETAILS INDICATE GENERAL LOCATION AND ARRANGEMENT OF UNDERGROUND UTILITY AND STORM DRAIN PIPING. LOCATION AND ARRANGEMENT OF PIPING LAYOUT TAKE DESIGN CONSIDERATIONS INTO ACCURIT. INSTALL PIPING AS INDICATED, TO EXTENT PRACTICAL, WHERE SPECIFIC PROPERTIES AS INDICATED, TO EXTENT PRACTICAL, WHERE SPECIFIC PROPERTIES AS INDICATED.
- 29. UTILITIES SHALL BE STUBBED FIVE (5) FEET OUTSIDE OF THE BUILDING. THE SITE CONTRACTOR SHALL COORDINATE CONTRIUNTION OF UTILITY SERVICES AND UTILITY CONNECTIONS TO THE BUILDING WITH THE BUILDING CONTRACTOR AND BUILDING PLANS. A PLUG SHALL BE INSTALLED AT THE END OF SERVICE LINES UNIT IS SUCH TIME THAT SERVICE IS EXTENDED TO THE BUILDING FOR CONNECTION.
- 30. REFER TO ARCHITECTURAL DOCUMENTS FOR ADDITIONAL INFORMATION REGARDING ROOF DRAINS AND CANOPY DRAINS.
- 31. REFER TO ELECTRICAL PLANS FOR INFORMATION REGARDING SITE LIGHTING, POWER, AND COMMUNICATIONS. COORDINATE REQUIREMENTS AND SCHEDULING FOR POWER AND UTILITY INSTALLATIONS WITH UTILITY PURVEYOR, INCLUDING TRENCH EXCAVATION, BEDDING, AND BACKFILL REQUIREMENTS.
- 32. FOR EACH TYPE OF PIPE, USE JOINING MATERIALS RECOMMENDED BY PIPING SYSTEM MANUFACTURER, UNLESS OTHERWISE INDICATED.
- 33. CONNECT UTLITY PIPING TO EXISTING SYSTEM ACCORDING TO REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION. ARRANGE WITH THE GOVERNING REGULATORY AGENCY OR UTILITY COMPANY FOR TAP OF SIZE AND IN LOCATION INDICATED. COORDINATE REQUIREMENTS AND SCHEDULING WITH AUTHORITIES HAVING JURISDICTION.
- 34. COMPLY WITH NFPA 24 FOR FIRE SUPPRESSION SYSTEM PIPING MATERIALS AND INSTALLATION.
- BURY PPING WITH DEPTH OF COVER IN COMPLIANCE WITH REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION AND MANUFACTURER'S REQUIREMENTS. THE CONTRACTOR SHALL COORDINATE WITH THE AUTHORITIES HAVING JURISDICTION FOR ALL REQUIREMENTS AND TO CONFIRM THAT AN ADEQUATE DEPTH OF COVER IS MANTAINED OVER THE UTILITIES, INCLUDING CLEARANCES BETWEEN THE VARIOUS UTILITIES.
- 36. INSTALL UNDERGROUND PIPING WITH RESTRAINED JOINTS AT HORIZONTAL AND VERTICAL CHANGES IN DIRECTION. RESTRAINMENT SHALL COMPLY WITH THE REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION.
- 37. UTILITY PIPE AND CONDUITS SHALL BE INSTALLED WITH CONTINUOUS WARRING TAPE DIRECTLY OVER PIPING AT DEPTHS IN COMPLIANCE WITH THE REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION AND AT OUTSIDE EDGE OF UNDERGROUND STRUCTURES. USE DETECTABLE WARRING TAPE OVER NONFERROUS PIPING. 38. CONTRACTOR SHALL COORDINATE WITH THE UTILITY PURVEYOR REGARDING NATURAL GAS IMPROVEMENTS, INCLUDING TRENCH EXCAVATION, BEDDING, AND BACKFILL REQUIREMENTS. INSTALLATION OF THE NATURAL GAS LINE FROM THE POINT OF CONNECTION UP TO AND INCLUDING THE METER SHALL BE BY THE UTILITY PURVEYOR.

 FUNDATOR COORDINATE REQUIREMENTS AND SCHEDULING WITH THE UTILITY PURVEYOR.
- 39. FIELD QUALITY CONTROL SHALL COMPLY WITH THE AUTHORITIES HAVING JURISDICTION. INSPECT, TEST, DISINFECT, AND CLEAN UTILITY LINES IN ACCORDANCE WITH REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION.



FEB 1 8 2022

PLANNING OFFICE CITY OF PONDERAY

Exhibit E-1

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DATE BY

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2134 JSF

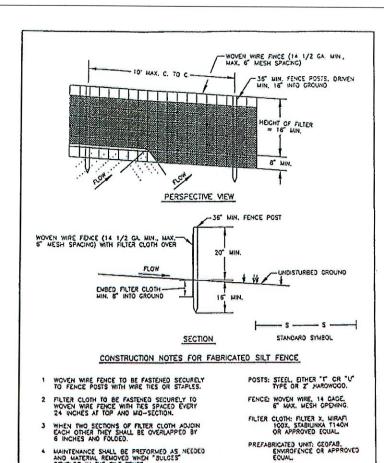
CJH 02/18/2022

C101

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Exhibit E-2

N A TASI



SILT FENCE

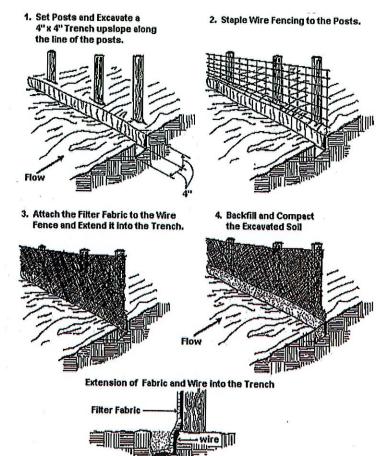
U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

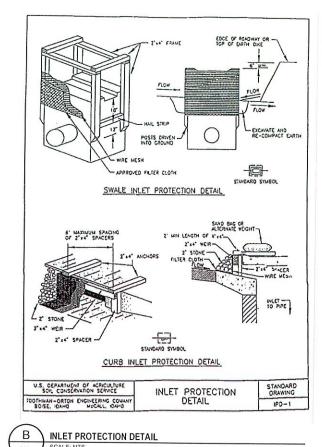
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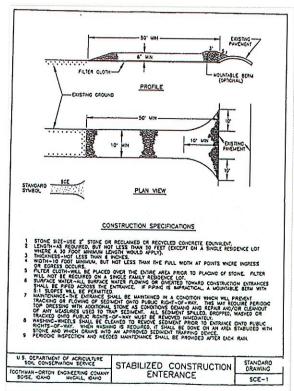
SILT FENCE

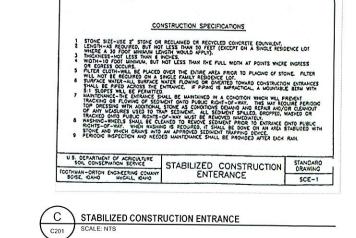
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SF-1









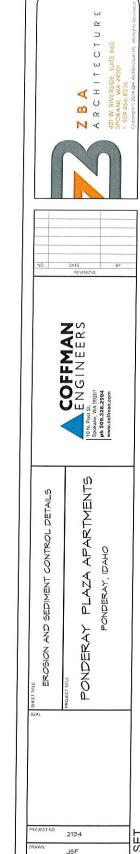
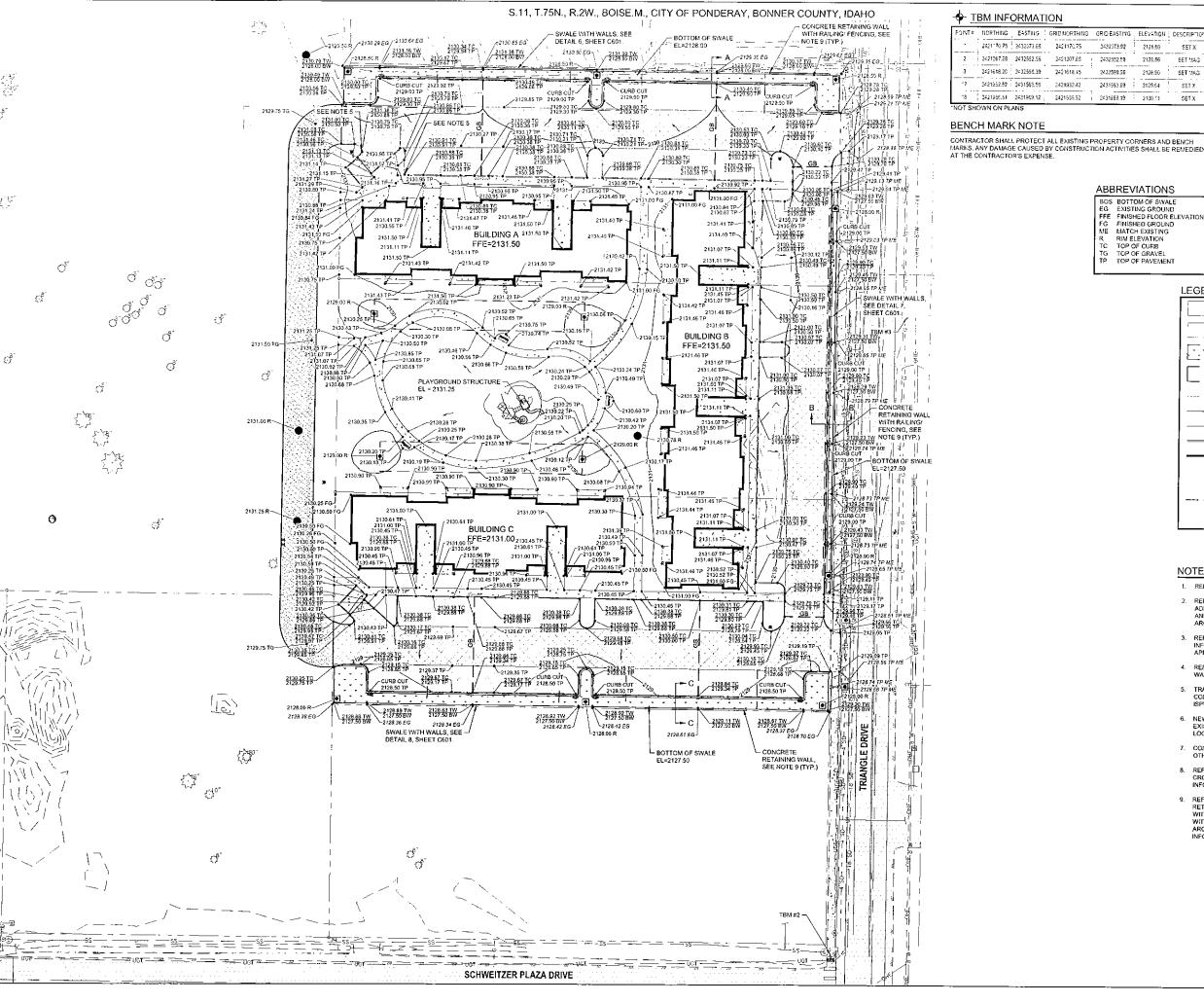


Exhibit E-3

02/18/2022

HLD



TBM INFORMATION

POINT#	NORTHING	EASTING	GRID NORTHING	GRID EASTING	ELEVATION	DESCRIPTION
	2421170,75	2432973.66	2421176,75	2432073.92	2128,60	SET X
2	2421207.28	2432552.55	2421207.88	2432552.58	2128.56	SET MAG
3	2421618.20	2432598.39	2421618.15	2432593.36	2128.90	SET 114G
'7	2421952.52	2431563.55	2421932.42	2431553.89	2129.64	SET X
:8	2421986.61	2431969.12	2421935.52	2431969.19	2130.11	SETX
NOT SH	OWN ON DI	ANIC	•			



1 INCH = 30

SCALE:

Know what's below. Call before you dig.

UTILITIES HAVE BEEN TAKEN FROM CAVINGS AND FIELD LOCATES SUPPLIED BY
THE APPROPRIATE UTILITY COMPANIES.
UTILITY LOCATIONS SHOWN ON THIS
REAWING ARE APPROXIMATE ONLY, PRIOR
TO BEGINNING ANY CONSTRUCTION, THE

BOS BOTTOM OF SWALE EG EXISTING GROUND FFE FINISHED FLOOR ELEVATION FG FINISHED GROUND ME MATCH EXISTING

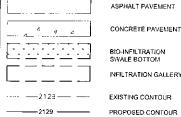
LEGEND

ABBREVIATIONS

RIM ELEVATION TOP OF CURB TOP OF GRAVEL

TC TOP OF CURB
TG TOP OF GRAVEL
TP TOP OF PAVEMENT

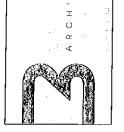
DRAWING ARE APPROXIMATE ONLY, PRIOR
TO BEGINNING ANY CONSTRUCTION, THE
CONTRACTOR SHALL VERIFY THE EXACT
LOCATION OF EACH UTILITY.



PROPERTYLINE BUILDING OUTLINE **~ 2129.00** SPOT ELEVATION CATCH BASIN GRADE BREAK FLOW ARROW

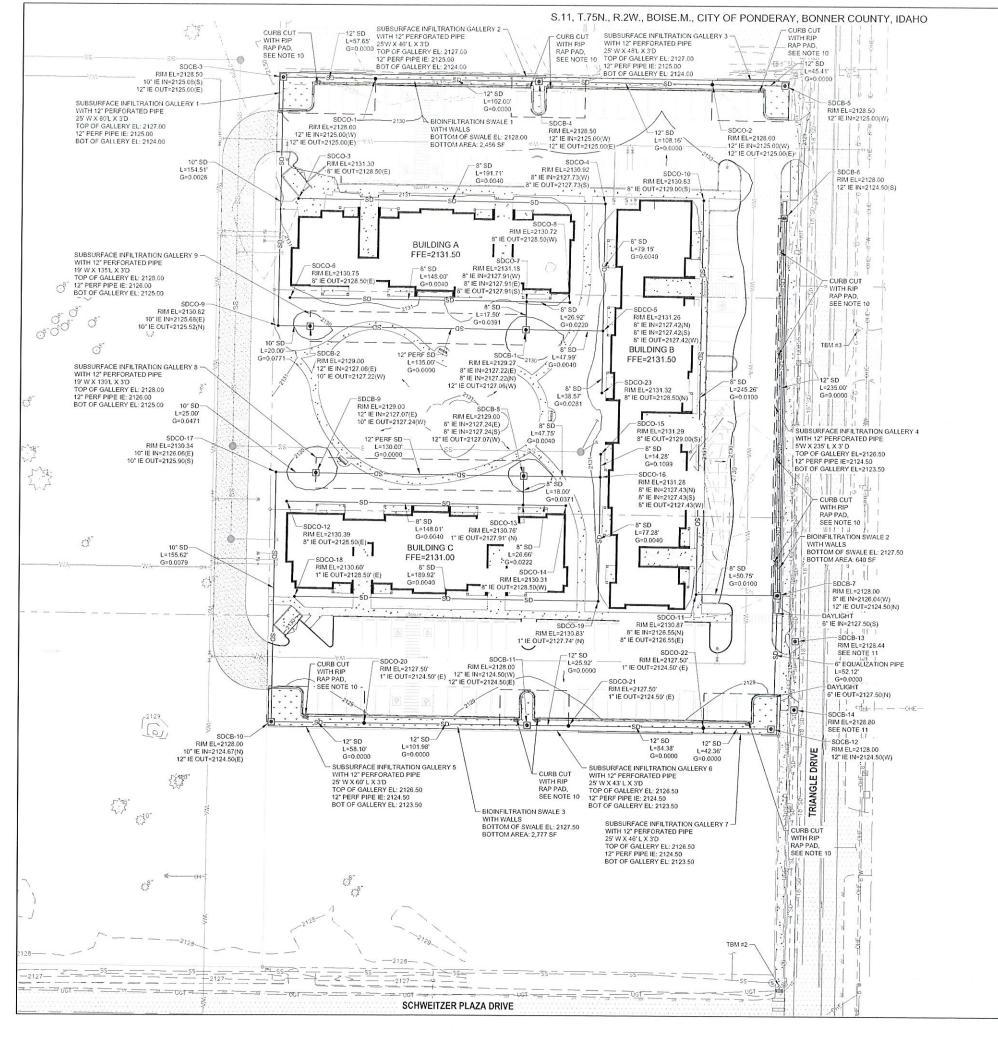
NOTES

- 1. REFER TO SHEET C101 FOR GENERAL NOTES.
- 2 REFER TO ARCHITECTURAL DOCUMENTS FOR ADDITIONAL INFORMATION REGARDING SITE FEATURES AND EXTERIOR DOOR LOCATIONS. COORDINATE ARCHITECTURAL ELEVATIONS WITH SITE GRADING.
- 3. REFER TO PAVING PLAN C301 FOR ADDITIONAL INFORMATION REGARDING PAVING AND DRIVEWAY APPROACHES.
- REFER TO DRAINAGE PLAN SHEET C402 FOR STORM WATER MANAGEMENT IMPROVEMENTS.
- 5. TRANSITION FROM VERTICAL CURB TO FLUSH CURB CONDITION: CURB TERMINUS SHALL COMPLY WITH ISPWC STANDARD DRAWING NO. SD-707.
- 6. NEW PAVED SURFACE SHALL MATCH ELEVATION OF EXISTING PAVED SURFACE AT SAWCUT LINE. LOCATION OF SAWCUT LINE IS APPROXIMATE.
- 7. CONTOURS SHOWN ARE 1-FOOT CONTOURS UNLESS
- REFER TO DETAILS 7, 8, AND 9 ON SHEET C601 FOR CROSS SECTION DETAILS FOR ADDITIONAL INFORMATION REGARDING THE SWALES AND WALLS.
- 9. REFER TO DETAIL 6 ON SHEET C601 FOR CONCRETE RETAINING WALL DETAIL. WALL SHALL BE INSTALLED WITH RAILING OR FENCE ALONG THE TOP OF THE WALL WITH MORE THAN A 30 'VERTICAL DROP. REFER TO ARCHITECTURAL DOCUMENTS FOR ADDITIONAL INFORMATION.



	DATE 87 REVISIONS	
	COFFMAN ENGINEERS Sowice WASSON PROBLEMS Sowice Manager WWw.cellman.com	
SHETTING GRADING PLAN	PONDERAY PLAZA APARTMENTS PONDERAY, IDAHO	
PROJECT NO.	2134 -51 ²	10 OCT

02/18/2022



◆ TBM INFORMATION

POINT#	NORTHING	EASTING	GRID NORTHING	GRID EASTING	ELEVATION	DESCRIPTION
i	2421170.75	2432073.86	2421170.75	2432073.92	2128.60	SETX
2	2421207.88	2432552.58	2421207.88	2432552.58	2128.56	SET MAG
3	2421618.20	2432598.39	2421618.15	2432598.38	2128.90	SET MAG
17	2421982.52	2431563.56	2421932.42	2431563.69	2129.64	SETX
18	2421986.61	2431969.12	2421986.52	2431969.19	2130.11	SETX

NOT SHOWN ON PLANS

BENCH MARK NOTE

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PLANNING OFFICE

CITY OF PONDERAY

CONTRACTOR SHALL PROTECT ALL EXISTING PROPERTY CORNERS AND BENCH MARKS. ANY DAMAGE CAUSED BY CONSTRUCTION ACTIVITIES SHALL BE REMEDIED AT THE CONTRACTOR'S EXPENSE.

ABBREVIATIONS

CB CATCH BASI CLEANOUT ELEVATION FINISHED ELOOR ELEVATION INVERT ELEVATION ROOF DRAIN Know what's below. Call before you dig.

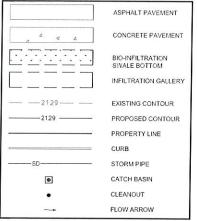
SCALE:

UTILITIES HAVE BEEN TAKEN FROM RAWINGS AND FIELD LOCATES SUPPLIED B THE APPROPRIATE UTILITY COMPANIES. UTILITY LOCATIONS SHOWN ON THIS DRAWING ARE APPROXIMATE ONLY. PRIOR TO BEGINNING ANY CONSTRU CONTRACTOR SHALL VERIFY THE EXAC

1 INCH = 30

STORM DRAIN

LEGEND



NOTES

- 1. REFER TO SHEET C101 FOR GENERAL NOTES.
- 2. REFER TO GRADING PLAN C401 FOR ADDITIONAL INFORMATION REGARDING SITE GRADING
- REFER TO ARCHITECTURAL DOCUMENTS FOR ADDITIONAL INFORMATION REGARDING ROOF DRAIN AND DOWNSPOUT LOCATIONS. ROOF DRAIN DOWNSPOUTS SHALL BE CONNECTED TO SUBSURFACE STORM DRAIN PIPE. DOWNSPOUT CONNECTION SHALL COMPLY WITH DETAIL 10, SHEET C602.
- STORM DRAIN PIPE SHALL BE HIGH DENSITY
 POLYETHYLENE (HDPE), TYPE S, WITH SMOOTH
 WATERWAY FOR COUPLING JOINTS, AASHTO M 252M FOR PIPES WITH DIAMETERS OF 10 INCHES AND SMALLER AND AASHTO M 294M FOR PIPES WITH DIAMETERS BETWEEN 12 INCHES TO 48 INCHES.
- STORM DRAIN PIPE TRENCHING, BEDDING, AND BACKFILL SHALL COMPLY WITH ISPWC.
- 6. STORM CLEANOUT SHALL COMPLY WITH ISPWC STANDARD DRAWING NO. SD-506, SIMILAR
- BIGINFILTRATION SWALE SHALL COMPLY WITH BMP 10, PER 2020 IDAHO CATALOG OF STORM WATER BEST MANAGEMENT PRACTICES. SEE DETAIL 4, SHEET C601 FOR ADDITIONAL INFORMATION
- 8. TYPE 1 CATCH BASIN AND GRATE SHALL COMPLY WITH ISPWC STANDARD DRAWING NO. SD-601.
- SUBSURFACE INFILTRATION GALLERY SHALL COMPLY WITH DETAIL 5, SHEET C601.
- 10. PROVIDE 2-FOOT WIDE OPENING IN CURR/RETAINING WALL WITH RIP RAP PAD AT THE BASE OF THE WALL.
 RIP RAP PAD SHALL BE 2 FOOT X 2 FOOT X 12 INCHES
 THICK AND CONSIST OF FRACTURED BASALT ROCK, 4"
 6" DIAMETER.
- 11. CONNECT EXISTING STORM PIPE TO CATCH BASIN. MAINTAIN EXISTING ELEVATIONS AND GRADES OF EXISTING PIPE.

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DATE

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C402