GENERAL NOTES:

A. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH IN THE CITY OF KEARNEY STANDARD SPECIFICATIONS FOR MUNICIPAL CONSTRUCTION (2015 EDITION) AND CURRENT REVISIONS.

B. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SURFACE AND UNDERGROUND FACILITIES DURING ALL PHASES OF WORK. UNDERGROUND FACILITIES SHOWN ON THE DRAWINGS ARE FOR THE CONTRACTOR'S GUIDANCE ONLY. THE LOCATIONS OF ALL UNDERGROUND UTILITY FACILITIES ARE APPROXIMATE OR MAY NOT BE INDICATED IN THESE PLANS. UNDERGROUND FACILITIES, WHETHER INDICATED OR NOT, SHALL BE LOCATED AND FLAGGED BY THE UTILITIES AT THE REQUEST OF THE CONTRACTOR. THE CONTRACTOR SHALL CALL FOR THE UTILITY COMPANIES TO MARK OR FLAG THE LOCATION OF THEIR FACILITIES IN THE FIELD (1-800-331-5666 OR 811) 48 HOURS PRIOR TO DIGGING. CALL ALL APPLICABLE UTILITY COMPANIES. THE CONTRACTOR SHALL REPAIR, AT HIS EXPENSE, ANY DAMAGES TO EXISTING FACILITIES CAUSED DIRECTLY OR INDIRECTLY BY HIS OPERATIONS. IN ADDITION, THE CONTRACTOR SHALL NOTE THAT THERE MAY BE EXISTING UNDERGROUND FACILITIES THAT ARE NOT SHOWN ON THE PLANS. IT IS, THEREFORE, A REQUIREMENT OF THIS CONTRACT THAT THE CONTRACTOR FULLY INVESTIGATE ALL AREAS IN WHICH EXCAVATIONS WILL BE PERFORMED AND TAKE ALL REASONABLE MEASURES NECESSARY TO LOCATE ANY FACILITIES WHICH MAY NOT BE SHOWN ON THE PLANS.

C. BEFORE PROCEEDING, THE CONTRACTOR SHALL SATISFY HIMSELF THAT A CONFLICT DOES NOT EXIST AND THAT THE UNDERGROUND WORK CAN BE PERFORMED AS SHOWN ON THE PLANS. IF, IN THE OPINION OF THE CONTRACTOR, A CONFLICT DOES EXIST, HE SHALL IMMEDIATELY NOTIFY THE ENGINEER WHO WILL MAKE THE FINAL DETERMINATION FOR RESOLVING THE CONFLICT. THE CONTRACTOR WILL RECEIVE NO ADDITIONAL COMPENSATION FOR ANY DELAYS OR WORK RESULTING FROM A CONFLICT WHICH WAS NOT THOROUGHLY INVESTIGATED PRIOR TO PROCEEDING WITH HIS WORK. THE CONTRACTOR MAY REQUEST ADDITIONAL COMPENSATION FOR ANY ADDITIONAL WORK PERFORMED TO DIRECTLY RESOLVE THE CONFLICT AS DIRECTED IN WRITING BY THE ENGINEER.

D. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL EXISTING UTILITIES, PAVEMENT AND OTHER IMPROVEMENTS NOT SCHEDULED FOR REMOVAL OR OUTSIDE THE CONSTRUCTION LIMITS. ANY DAMAGE TO EXISTING UTILITIES AND/OR PAVED STREETS CAUSED BY CONSTRUCTION OPERATIONS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

E. ELEVATIONS ARE REFERENCED TO THE DATUM SHOWN ON SHEET C000.

F. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS. THE CONTRACTOR SHALL PAY ALL PERMIT FEES, DUMP FEES AND OTHER ASSOCIATED FEES REQUIRED TO SUCCESSFULLY COMPLETE THE PROJECT AT NO ADDITIONAL COST TO THE OWNER.

G. THE CONTRACTOR SHALL SATISFACTORILY CLEAN THE AREA OF ALL RUBBISH, EXCESS MATERIAL, MUD AND DEBRIS AND ALL PARTS OF THE WORK AREA SHALL BE LEFT IN A NEAT AND PRESENTABLE CONDITION. ALL DISTURBED AREAS SHALL BE RESTORED TO A LEVEL AND SMOOTH SURFACE PRIOR TO ACCEPTANCE OF THE WORK. DEBRIS, ETC. SHALL BE DISPOSED OF AT AN APPROVED FACILITY IN A LEGAL MANNER.

H. THE CONTRACTOR SHALL PROPERLY DISPOSE OF ALL UNSUITABLE MATERIALS AND DEBRIS ENCOUNTERED IN/OR GENERATED BY THE REMOVAL OPERATIONS, INCLUDING CONCRETE, ASPHALT, OIL MAT, BRICK, ROCK, PIPES, ETC. NO UNSUITABLE MATERIAL, SUCH AS DETERMINED BY THE OWNERS REPRESENTATIVE, SHALL BE USED FOR BACKFILLING OR EMBANKMENT CONSTRUCTION. THE COST FOR DISPOSAL OF THE UNSUITABLE MATERIAL SHALL BE SUBSIDIARY TO THE PROJECT.

I. THE CONTRACTOR SHALL NOTIFY ALL ADJACENT PROPERTY OWNERS 48 HOURS PRIOR TO STARTING ANY WORK WHICH WILL AFFECT THEIR ACCESS. NOTIFICATION SHALL INCLUDE DURATION OF IMPACT, TELEPHONE NUMBER AND NAME OF PERSON TO CONTACT. COPY OF NOTIFICATION SHALL BE FURNISHED TO AND APPROVED BY THE OWNER PRIOR TO DISTRIBUTION TO PROPERTY OWNERS.

J. PROVIDE POSITIVE DRAINAGE AT ALL TIMES WITHIN THE CONSTRUCTION AREAS. DO NOT ALLOW WATER TO POND IN EXCAVATED AREAS. REMOVE WATER FROM EXCAVATION AT THE EARLIEST MOMENT. CONTACT PROJECT GEOTECHNICAL ENGINEER FOR REVIEW OF CONDITIONS.

K. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EROSION CONTROL. AN EROSION CONTROL PLAN HAS BEEN DEVELOPED. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING STREETS OPEN TO TRAFFIC AND THEY SHALL BE KEPT CLEAN AND FREE OF SILT AND MUD AT ALL TIMES. ALL DISTURBED AREAS SHALL BE SEEDED/SODDED ONCE FINAL GRADE HAS BEEN ESTABLISHED.

L. THE CONTRACTOR SHALL FURNISH WATER FOR DUST CONTROL AND SOIL COMPACTION PURPOSES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR MAINTANINO DUST CONTROL. THE WATER SUPPLY AND DISTRIBUTION SHALL BE SUFFICIENT TO APPLY THE AMOUNT OF WATER WITHIN THE TIME INTERVAL NECESSARY TO ENSURE THAT THE AMOUNT OF DUST OR BLOWING DIRT IS KEPT TO A MINIMUM AND IS SATISFACTORY TO THE OWNER AND APPLICABLE REGULATORY AGENCIES.

M. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES, WARNING SIGNS, LIGHTS, FLASHERS, AND FLAG PERSONS AS REQUIRED BY THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", TO PROVIDE FOR THE SAFETY OF WORKERS AND THE PUBLIC AT LARGE. TEMPORARY FENCING SHALL BE INSTALLED AROUND ANY OPEN AREAS OF THE SITE. THE COST OF TRAFFIC CONTROL DEVICES AND TEMPORARY FENCING SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

N. THE CONTRACTOR SHALL NOT START THE WORK UNTIL ALL PERMITS HAVE BEEN OBTAINED FROM THE JURISDICTIONAL AUTHORITIES. THE ENGINEER AND THE JURISDICTIONAL AUTHORITIES SHALL BE NOTIFIED BY THE CONTRACTOR 48 HOURS BEFORE START OF CONSTRUCTION.

O. WHERE ITEMS OF CONSTRUCTION ARE NOTED "IF REQUIRED" THE CONTRACTOR SHALL OBTAIN THE APPROVAL OF THE PROJECT ENGINEER BEFORE PROCEEDING WITH SUCH WORK.

P. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGE TO EXISTING PROPERTY, UTILITIES AND STRUCTURES, OUTSIDE THE SCOPE OF WORK AND REPAIR SAME AT HIS OWN EXPENSE.

Q. CONTRACTOR SHALL PROVIDE THE NAME AND PHONE NUMBER OF THEIR REPRESENTATIVE TO BE CONTACTED (AS NECESSARY) DURING WORKING AND NON-WORKING HOURS.

R. A QUALIFIED SUPERINTENDENT, WHO IS ACCEPTABLE TO THE OWNER, SHALL BE PRESENT ON THE PROJECT SITE DURING CONSTRUCTION AND GIVE SUPERVISION TO THE WORK UNTIL ITS COMPLETION. THE SUPERINTENDENT SHALL HAVE FULL AUTHORITY TO ACT IN BEHALF OF THE CONTRACTOR, AND ALL DIRECTIONS GIVEN TO THE SUPERINTENDENT SHALL BE CONSIDERED GIVEN TO THE CONTRACTOR.

S. THE CONTRACTOR SHALL NOT ENCROACH ON PRIVATE PROPERTY OUTSIDE THE WORK AREAS WITHOUT WRITTEN PERMISSION FROM THE AFFECTED PROPERTY OWNER.

T. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING CONSTRUCTION STAKING.

U. ALL CONSTRUCTION ACTIVITIES SHALL BE KEPT WITHIN THE LIMITS OF CONSTRUCTION, EASEMENT OR RIGHT-OF-WAY SHOWN ON THE PLANS AND AS STAKED BY THE ENGINEER. ALL MATERIAL AND EQUIPMENT SHALL BE KEPT WITHIN THE LIMITS OF CONSTRUCTION, RIGHT-OF-WAY OR EASEMENT.

GENERAL REMOVAL NOTES:

A. STORM WATER POLLUTION PREVENTION PLAN BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED PRIOR TO ANY REMOVALS.

B. CONTRACTOR SHALL FULL DEPTH SAWCUT WITH A DIAMOND EDGE SAW BLADE ALL LOCATIONS WHERE PAVEMENT TO BE REMOVED ABUTS PAVEMENT TO REMAIN. REMOVE ALL COMBINATION CURB AND GUTTER PAVEMENT TO NEAREST JOINT EXCEPT WHERE SHOWN OTHERWISE.

C. ALL DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS SHALL BE HAULED OFF-SITE AND PROPERLY DISPOSED OF. THE OWNER SHALL HAVE FIRST RIGHTS TO ANY MATERIALS THAT HE DEEMS SALVAGEABLE. MISCELLANEOUS STRUCTURES, CONCRETE, RUBBLE AND OTHER ITEMS SHALL BE REMOVED COMPLETELY OR DEMOLISHED TO 3" BELOW EXISTING GRADE.

D. THE CONTRACTOR SHALL LOCATE, REMOVE, AND CAP ANY EXISTING LAWN IRRIGATION VALVES, HEADS, PIPING, OR OTHER LAWN IRRIGATION APPURTENANCES THAT WILL BE AFFECTED BY CONSTRUCTION. THE CONTRACTOR SHALL CONSTRUCT ANY NEW PIPING, VALVES, OR ANY OTHER EQUIPMENT NECESSARY TO MAINTAIN THE EXISTING FUNCTIONALITY OF THE LAWN SPRINKLER SYSTEM TO REMAIN. THE CONTRACTOR SHALL ALSO ADJUST ANY EXISTING SPRINKLER HEADS TO PREVENT WATER FROM BEING THROWN AT BUILDINGS OR PAVED AREAS.

GENERAL GRADING NOTES:

A. TOPSOIL SHALL BE STRIPPED, STOCKPILED ON-SITE AND SPREAD AFTER GRADING OPERATIONS.

B. IN ADDITION TO PROOFROLLING, IN SITU MOISTURE AND DENSITY TESTS MUST BE PERFORMED.

C. OFF-SITE BORROW SOILS SHALL BE EVALUATED AND APPROVED BY THE SOILS ENGINEER PRIOR TO USE ON THE SITE. ALL PROPOSED FILL SOILS SHALL BE TESTED AND APPROVED PRIOR TO PLACEMENT.

D. THE CONTRACTOR MUST COMPLY WITH ALL NOISE AND DUST CONTROL ORDINANCES OF THE REGULATORY AGENCY.

E. ALL DIMENSIONS OR ELEVATIONS MARKED WITH AND ASTERISK(*) SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. NOTIFY THE ENGINEER OF ANY CONFLICTS WITH THE DRAWINGS PRIOR TO CONSTRUCTION.

G. PROVIDE POSITIVE DRAINAGE AT ALL TIMES WITHIN THE CONSTRUCTION AREA. NO PONDING OF WATER SHALL BE ALLOWED. MAINTAIN ALL EXISTING DRAINAGE PATTERNS.

G. THE CONTRACTOR IS RESPONSIBLE TO ENSURE ALL EXCAVATIONS ARE MADE IN ACCORDANCE WITH CURRENT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) CONSTRUCTION STANDARDS. IN ADDITION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO BE FAMILIAR WITH OSHA STANDARDS AND REGULATIONS PERTAINING TO ALL ASPECTS OF THE WORK INCLUDING ENTERING CONFINED SPACES.

H. ALL COMPACTION FOR EARTHWORK OPERATIONS SHALL CONFORM TO CITY OF KEARNEY STANDARD SPECIFICATION REQUIREMENTS, AND RECOMMENDATIONS OUTLINED IN THE GEOTECHNICAL EXPLORATION REPORT PREPARED FOR THE PROJECT.

I. SUBGRADE PREPARATION FOR PAVEMENT, DRIVEWAY, AND SIDEWALK CONSTRUCTION SHALL CONFORM TO CITY OF KEARNEY STANDARD SPECIFICATIONS, AND RECOMMENDATIONS OUTLINED IN THE GEOTECHNICAL EXPLORATION REPORT PREPARED FOR THE PROJECT.

J. ALL TOPSOIL OPERATIONS, INCLUDING REMOVAL, STOCKPILING AND SPREADING SHALL BE IN ACCORDANCE WITH CITY OF KEARNEY STANDARD SPECIFICATIONS, AND RECOMMENDATIONS OUTLINED IN THE GEOTECHNICAL EXPLORATION REPORT PREPARED FOR THE PROJECT.

K. TOPSOIL STOCKPILE SHALL HAVE A MAXIMUM 3:1 SLOPE.

L. AFTER GRADING OPERATIONS ARE WITHIN 6" OF FINAL GRADE, SPREAD STOCKPILED TOPSOIL ACROSS AREAS TO BE SODDED. IF STORED MATERIAL DOES NOT EQUAL 6" THICK OF TOPSOIL, THE CONTRACTOR SHALL HAUL TOPSOIL TO THE SITE AND SPREAD IT UNTIL THE 6" TOPSOIL THICKNESS IS REACHED.

M. COVER AND FINE GRADE FINISHED SLOPES WITH 6" (MIN.) OF TOPSOIL.

N. SUITABLE MATERIALS SHALL BE FREE OF ORGANIC OR OTHER DELETERIOUS MATERIALS AND SHALL HAVE A MAXIMUM PARTICLE LESS THAN 2 INCHES. IF FINE GRAINED SILT OR CLAY SOIL IS USED FOR FILL, CLOSE MOISTURE CONTROL WILL BE REQUIRED TO ACHIEVE THE RECOMMENDED COMPACTION. ORGANIC SOILS SHALL BE BLENDED WITH THE TOPSOIL SURFACE COVER.

O. IT IS ANTICIPATED THE MAJORITY OF THE EXCAVATED MATERIAL ON SITE WILL BE SUITABLE FOR ENGINEERED FILLS FOLLOWING WATER CONTENT ADJUSTMENT.

P. THE SITE SHALL BE STRIPPED OF ALL TOPSOIL (12" DEPTH), ROOTS, VEGETATION, AND SOFT SOILS IN THE CONSTRUCTION AREAS. TOPSOIL PRODUCED BY STRIPPING OPERATIONS SHALL BE STOCKPILED IN AN APPROVED LOCATION AND RE-SPREAD ON AREAS FINISH GRADED TO RECEIVE TOPSOIL. A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER SHALL DETERMINE THE DEPTH OF REMOVAL AT THE TIME OF SITE GRADING.

Q. ON-SITE OR IMPORTED MATERIAL, INTENDED FOR USE AS STRUCTURAL FILL SHALL CONSIST OF CLEAN, INORGANIC SILT OR LEAN CLAY FREE OF ORGANIC MATTER AND DEBRIS WITH A LIQUID LIMIT LESS THAN 44 AND A PLASTICITY INDEX LESS THAN 20. THE EXISTING CLEAN ON-SITE SOILS APPEAR SUITABLE FOR USE AS STRUCTURAL FILL. STONES GREATER THAN 3" DIAMETER SHALL BE REMOVED PRIOR TO PLACING AS STRUCTURAL FILL.

R. ALL FILL SHALL BE PLACED AND COMPACTED AS STRUCTURAL FILL. COHESIVE SOILS SHALL BE PLACED IN THIN LIFTS NOT TO EXCEED 8 INCHES LOOSE THICKNESS. COHESIVE SOILS SHALL BE COMPACTED WITH A SHEEPSFOOT TYPE ROLLER TO A MINIMUM OF 95% OF THE MAXIMUM DRY UNIT WEIGHT DETERMINED BY ASTM D698-12E2, STANDARD PROCTOR. WATER CONTENT SHALL BE CONTROLLED TO BETWEEN -3 AND +3 PERCENT OF OPTIMUM.

S. AFTER SITE PREPARATION AND PRIOR TO FILL PLACEMENT, THE SUBGRADE SHALL BE PROOF-ROLLED WITH A LOADED TANDEM AXLE DUMP TRUCK OR OTHER EQUIPMENT PROVIDING AN EQUIVALENT SUBGRADE LOADING. A MINIMUM GROSS WEIGHT OF 25 TONS IS RECOMMENDED FOR THE PROOFROLLING EQUIPMENT. SOILS WHICH ARE OBSERVED TO RUT OR DEFLECT EXCESSIVELY, TYPICALLY MORE THAN 1", UNDER THE MOVING LOAD SHALL BE UNDERCUT AND REPLACED WITH PROPERLY COMPACTED FILL. THE PROOF-ROLLING AND UNDERCUTTING ACTIVITIES SHALL BE WITNESSED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER AND SHALL BE PERFORMED DURING A PERIOD OF DRY WEATHER.

T. AFTER PROOF-ROLLING AND PRIOR TO FILL PLACEMENT, THE TOP 12" INCHES OF THE SUBGRADE SHALL BE SCARIFIED AND RE-COMPACTED AS STRUCTURAL FILL TO ELIMINATE A PLANE OF WEAKNESS ALONG THE CONTACT SURFACE.

U. WHEN RUBBLE IS ENCOUNTERED, IT SHALL BE OVEREXCAVATED AND REMOVED, AND LAWFULLY DISPOSED OF. THE OVEREXCAVATED AREAS SHALL BE RE-FILLED WITH STRUCTURAL FILL. A GEOTECHNICAL ENGINEER SHALL DETERMINE THE LIMIT OF REMOVAL.

V. PROPOSED CONTOURS REPRESENT TOP OF PAVEMENT. SUBTRACT PAVEMENT THICKNESS FOR SUBGRADE ELEVATIONS.

W. SUBGRADE COMPACTION REQUIREMENTS SHALL BE AS FOLLOWS:

PAVEMENT: THE UPPER 12 INCHES OF THE SUBGRADE SHALL BE COMPACTED TO A MINIMUM OF 98% OF THE MAXIMUM DRY UNIT WEIGHT AT A WATER CONTENT BETWEEN -3 AND +3 PERCENT OF OPTIMUM DETERMINED BY ASTM D698-12E2, STANDARD PROCTOR. SUBGRADE PREPARATION SHALL EXTEND A MINIMUM OF 3 FEET LATERALLY BEYOND THE EDGE OF THE PAVEMENT. FILL PLACED BELOW THIS LEVEL SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DRY UNIT WEIGHT AT A WATER CONTENT BETWEEN -3 AND +3 PERCENT OF OPTIMUM DETERMINED BY ASTM D698-12E2, STANDARD PROCTOR.

SIDEWALK: THE UPPER 12 INCHES OF THE SUBGRADE SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DRY UNIT WEIGHT AT A WATER CONTENT BETWEEN -3 AND +3 PERCENT OF OPTIMUM DETERMINED BY ASTM D698-12E2, STANDARD PROCTOR. SUBGRADE PREPARATION SHALL EXTEND A MINIMUM OF 3 FEET LATERALLY BEYOND THE EDGE OF THE SIDEWALK. FILL PLACED BELOW THIS LEVEL SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DRY UNIT WEIGHT AT A WATER CONTENT BETWEEN -3 AND +3 PERCENT OF OPTIMUM DETERMINED BY ASTM D698-12E2, STANDARD PROCTOR.

EMBANKMENT: THE UPPER 12 INCHES OF THE SUBGRADE FOR ALL AREAS NOT UNDER PAVEMENT SHALL BE COMPACTED TO A MINIMUM OF 92% OF THE MAXIMUM DRY UNIT WEIGHT DETERMINED BY ASTM D698-12E2, STANDARD PROCTOR. FILL PLACED BELOW THIS LEVEL SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DRY UNIT WEIGHT AT A WATER CONTENT BETWEEN -3 AND +3 PERCENT OF OPTIMUM DETERMINED BY ASTM D698-12E2, STANDARD PROCTOR.

UTILITY TRENCHES: THE UPPER 12 INCHES BELOW PAVEMENT OR SIDEWALK SHALL BE COMPACTED TO A MINIMUM OF 98% OF THE MAXIMUM DRY UNIT WEIGHT AT A WATER CONTENT BETWEEN -3 AND +3 PERCENT OF OPTIMUM DETERMINED BY ASTM D698-12E2, STANDARD PROCTOR. COMPACTION SHALL EXTEND A MINIMUM OF 3 FEET LATERALLY BEYOND THE EDGE OF THE SIDEWALK. FILL PLACED BETWEEN 1 AND 5 FEET FOR TRENCHES OF ALL WIDTHS SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DRY UNIT WEIGHT AT A WATER CONTENT BETWEEN -3 AND +3 PERCENT OF OPTIMUM DETERMINED BY ASTM D698-12E2, STANDARD PROCTOR. FILL PLACED BELOW 5 FEET FROM FINISH GRADE ELEVATION FOR TRENCHES GREATER THAN 6 FEET WIDE SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DRY UNIT WEIGHT AT A WATER CONTENT BETWEEN -3 AND +3 PERCENT OF OPTIMUM DETERMINED BY ASTM D698-12E2, STANDARD PROCTOR. FILL PLACED BELOW 5 FEET FROM FINISH GRADE ELEVATION FOR TRENCHES LESS THAN 6 FEET WIDE SHALL BE COMPACTED TO A MINIMUM OF 92% OF THE MAXIMUM DRY UNIT WEIGHT AT A WATER CONTENT BETWEEN -3 AND +3 PERCENT OF OPTIMUM DETERMINED BY ASTM D698-12E2, STANDARD PROCTOR. THE UPPER 12 INCHES OF A TRENCH BEYOND 3 FEET FROM THE EDGE OF PAVEMENT OR SIDEWALK SHALL BE COMPACTED TO A MINIMUM OF 92% OF THE MAXIMUM DRY UNIT WEIGHT AT A WATER CONTENT BETWEEN -3 AND +3 PERCENT OF OPTIMUM DETERMINED BY ASTM D698-12E2, STANDARD PROCTOR.

GENERAL UTILITY NOTES:

A. ALL EXISTING UTILITIES SHOWN ARE FROM PUBLIC RECORDS AND ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXACT LOCATION AND DEPTH PRIOR TO CONSTRUCTION.

B. CONTRACTOR SHALL NOTIFY APPROPRIATE UTILITY COMPANIES TO COORDINATE CONNECTIONS AND RELOCATIONS. ALL CONNECTION COST, CONNECTION FEES, OR RELOCATION FEES WILL BE PAID BY THE CONTRACTOR.

C. ALL DIMENSIONS ARE FROM OUTSIDE WALL OF BUILDING.

D. COORDINATE LOCATIONS AND DEPTHS OF ALL SERVICE LINES WITH BUILDING MECHANICAL PLANS.

E. THE CONTRACTOR SHALL PROVIDE, PLACE AND MAINTAIN FENCING ALONG OPEN TRENCH AREAS TO ASSURE PROTECTION OF THE GENERAL PUBLIC AND TO SECURE ALL AREAS WITHIN THE CONSTRUCTION ZONE. THE FENCING SHALL BE A MINIMUM OF 48 INCHES IN HEIGHT. IT SHALL BE PLACED AND SECURED IN SUCH A MANNER TO GUARD AGAINST THE CREATION OF ENTRY POINTS AROUND OR THROUGH BY PERSONS AWARE OF SITE CONDITIONS OR DANGERS. THE FENCING MAY BE OF WIRE/LATH CONSTRUCTION OR SYNTHETIC FABRIC (SIMILAR TO SNOW FENCING) PROVIDED IT IS FREE OR BREAKS OR BREACHES. THE FENCING SHALL BE SECURED TO STEEL POSTS SET AT A MAXIMUM SPACING OF 8 FEET.

F. TRENCH BACKFILL SHALL BE FREE OF BRICK, STONE OR CONCRETE RUBBLE, AND ANY TRASH, DEBRIS, ORGANIC MATERIAL OR ANY OTHER MATERIAL DETERMINED BY THE ENGINEER TO BE UNSUITABLE. ALL UNSUITABLE MATERIAL SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR. THE COST OF THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

G. THE TRENCHES SHALL BE KEPT FREE OF WATER AT ALL TIMES AND THE TRENCH LIMITS SHALL BE MAINTAINED AS DETAILED BY THE PLANS. THE COST OF ALL DEWATERING AS MAY BE NECESSARY SHALL BE SUBSIDIARY TO THE CONSTRUCT SEWER PIPE PAYMENT ITEM.

H. TRENCHING SHALL BE PERFORMED IN SUCH A MANNER AS TO SAFELY AND EFFECTIVELY LIMIT THE TOP TRENCH WIDTH, MINIMIZING THE VOLUME OF EXCAVATED EARTH, AND PROVIDING THE MAXIMUM PROTECTION TO EXISTING PLANTINGS AND STRUCTURES. THE MAXIMUM LENGTH OF OPEN EXCAVATION ON THIS PROJECT SHALL NOT EXCEED 25 FEET DURING PIPE LAYING OPERATIONS, UNLESS APPROVED BY THE ENGINEER.

I. ALL STORM SEWER PIPING SHALL BE RCP CLASS III, WALL B PER ASTM C 76 OR HDPE SMOOTH INTERIOR, CORRUGATED EXTERIOR PER ASTM F 2648 WITH SOIL-TIGHT BELL-AND-SPIGOT JOINTS PER ASTM F 2648 AND GASKETS PER ASTM F 477. ALL STORM SEWER WITHIN THE RIGHT-OF-WAY SHALL BE RCP.

J. ROOF DRAIN PIPE SHALL BE P.V.C. (SCHEDULE 40) PROFILE WALL DRAIN PIPE AND FITTINGS OR H.D.P.E. CORRUGATED WITH A SMOOTH INTERIOR OR APPROVED EQUAL. BEDDING SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PIPE SHALL SUPPORT AN H-20 LIVE LOAD WITH 12" MINIMUM COVER OR AS DETAILED ON THE PLANS.

K. CONSTRUCT ROOF DRAIN SYSTEM IN ACCORDANCE TO LOCAL PLUMBING CODES. SEE ARCHITECTURAL PLANS FOR SIZE AND LOCATIONS OF DOWNSPOUTS. CONTRACTOR SHALL PROVIDE ALL BENDS AND FITTINGS TO MAKE THE CONNECTION TO THE DOWNSPOUTS.

L. ALL NEW SANITARY SEWER PIPE SHALL BE VCP PER ASTM C 700, INSTALLED IN ACCORDANCE WITH CHAPTER 4 OF THE CITY OF KEARNEY STANDARD SPECIFICATIONS FOR MUNICIPAL CONSTRUCTION, 2015 EDITION WITH CURRENT REVISIONS.

M. ALL WATER LINE VALVES, FITTINGS, AND WATER LINE DISINFECTION SHALL CONFORM TO CHAPTER 3 OF THE CITY OF KEARNEY STANDARD SPECIFICATIONS FOR MUNICIPAL CONSTRUCTION, 2015 EDITION WITH CURRENT REVISIONS.

N. NEW WATER MAINS AND DOMESTIC WATER LINES SHALL BE CONSTRUCTED WITH MATERIALS AND METHODS PER CITY OF KEARNEY WATER CODES AND REQUIREMENTS. CONTRACTOR IS RESPONSIBLE FOR ALL TESTING, FLUSHING, DISINFECTING, ETC. AS REQUIRED BY THE AUTHORITIES HAVING JURISDICTION.

O. ALL WATER LINES SHALL HAVE 5' MINIMUM COVER.

P. NATURAL GAS SERVICE TO BE INSTALLED BY OTHERS PER BLACK HILLS ENERGY GAS SERVICE REQUIREMENTS. CONTRACTOR SHALL COORDINATE WITH UTILITY FOR GAS SERVICE INSTALLATION. LOCATION SHOWN IS APPROXIMATE AND MAY VARY.

GENERAL LAYOUT NOTES:

A. SUBGRADE PREPARATION FOR PAVEMENT CONSTRUCTION SHALL CONFORM TO CITY OF KEARNEY STANDARD SPECIFICATIONS FOR MUNICIPAL CONSTRUCTION, 2015 ENGLISH UNITS EDITION.

B. THE PORTLAND CEMENT CONCRETE FOR PAVEMENT SHALL BE PER CHAPTER 12 OF THE CITY OF KEARNEY STANDARD SPECIFICATIONS FOR MUNICIPAL CONSTRUCTION, 2015 EDITION WITH CURRENT REVISIONS.

C. PAVEMENT JOINTS SHALL BE IN ACCORDANCE WITH CITY OF KEARNEY STANDARD SPECIFICATIONS USING MATERIAL CONFORMING TO ASTM DESIGNATION 1190, STANDARD SPECIFICATION FOR JOINT AND CRACK SEALANTS, HOT-APPLIED.

D. CONCRETE PAVEMENT SHALL BE CURED USING A WHITE PIGMENTED LIQUID MEMBRANE-FORMING CURING COMPOUND THAT CONFORS TO ASTM DESIGNATION C309. THE MAXIMUM RATE OF APPLICATION SHALL BE 1 GAL. PER 400 SQ. FT.

E. PAVING DIMENSIONS ARE AS SHOWN ON THE PLANS. ALL DIMENSIONS ARE BACK-OF-CURB TO BACK-OF-CURB OR EDGE OF PAVEMENT TO EDGE OF PAVEMENT.

F. DROP CURB FOR WHEELCHAIR RAMPS AT LOCATIONS SHOWN ON PLANS IN ACCORDANCE WITH ADA GUIDELINES. DETECTABLE WARNINGS SHALL NOT BE THE SAME COLOR AS THE SIDEWALK.

G. THE CONTRACTOR SHALL CONSTRUCT ALL PAVEMENTS TO CONFORM WITH THE FINISHED GRADES AS INDICATED ON THE PLANS. NO PONDING OF WATER SHALL BE ALLOWED.

H. PAVEMENT TESTING SHALL BE DONE IN ACCORDANCE WITH CITY OF KEARNEY STANDARD SPECIFICATIONS.

I. COMPACTED BACKFILL SHALL BE COMPLETED WITHIN 4 TO 7 WORKING DAYS AFTER CURB PLACEMENT.

J. WATER-REDUCING ADMIXTURE SHALL BE ADDED TO ALL HAND-PLACED AND FINISHED CONCRETE.

K. A DIAMOND EDGE SAW BLADE SHALL BE USED FOR CUTTING ALL REQUIRED CONTRACTION AND LONGITUDINAL PAVEMENT JOINTS.

L. ALL 4" PAVEMENT STRIPING SHALL BE PAINTED WHITE IN COLOR AND INSTALLED PER MANUFACTURER SPECIFICATIONS.

M. CONTRACTOR IS RESPONSIBLE FOR ALL TRAFFIC CONTROL AND ASSOCIATED SAFETY MEASURES. TWO-WAY TRAFFIC SHALL BE MAINTAINED ON STREETS AT ALL TIMES.

N. BUILDING FOOTPRINT SHOWN IS TO THE OUTSIDE OF BUILDING. CONTRACTOR SHALL VERIFY BUILDING FOOTPRINT WITH ARCHITECTURAL PLANS.

O. CONTRACTOR SHALL BE RESPONSIBLE FOR LAYOUT OF CONCRETE PAVEMENT JOINTING, SPACING OF JOINTS, LOCATION OF EXPANSION JOINTS, CONTROL JOINTS AND CONTRACTION JOINTS. CONTRACTOR SHALL SUPPLY SHOP DRAWING OF JOINTING PLAN FOR APPROVAL.

P. CONSTRUCT STRUCTURAL STOOP AT ALL DOOR LOCATIONS. TOP OF STRUCTURAL STOOP SHALL MATCH SLOPE OF PROPOSED SIDEWALK, SEE STRUCTURAL DRAWINGS.

GENERAL SEEDING/SODDING NOTES:

A. ALL SEEDING WORK, INCLUDING SEED BED PREPARATION, MULCHING, FERTILIZING, EROSION CONTROL AND SEED APPLICATION SHALL BE IN ACCORDANCE WITH CHAPTER 33 OF THE CITY OF KEARNEY STANDARD SPECIFICATIONS FOR MUNICIPAL CONSTRUCTION, 2015 EDITION WITH CURRENT REVISIONS.

B. THE CONTRACTOR SHALL COORDINATE HIS OPERATIONS SO THAT THE SITE CAN BE SEEDED/SODDED AS SOON AS POSSIBLE FOLLOWING RE-SPREAD OF TOPSOIL.

C. SEED MIXES SHALL BE AS FOLLOWS: TYPE "A" LAWN MIX AND TYPE "H" FLOOD PLAIN MIX PER SECTION 33 OF THE CITY OF KEARNEY STANDARD SPECIFICATIONS.

D. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER MAINTENANCE UNTIL SEEDED/SODDED AREA IS INSPECTED AND ACCEPTED BY THE ENGINEER.

E. NO HYDRAULIC SEEDERS SHALL BE ALLOWED. APPLY SEED AFTER FERTILIZING USING APPROVED MECHANICAL POWER-DRAWN DRILLS EQUIPPED WITH PRESS WHEELS OR DRAG CHAINS.

F. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING SEEDED AREAS TWICE PER DAY THROUGH A MINIMUM OF THREE MOWINGS. WATERING TIMES SHALL BE APPROXIMATELY 10 AM AND 7 PM AND SHALL LAST 20 MINUTES IN DURATION. AFTER THREE MOWINGS, THE ENGINEER WILL INSPECT THE SEEDED AREAS. ANY AREAS NOT ESTABLISHED SHALL BE RESEEDED AND MAINTAINED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. THE OWNER RESERVES THE RIGHT TO TAKE OVER THE WATERING OPERATIONS AT ANY TIME.

G. THE CONTRACTOR MAY USE THE IRRIGATION SYSTEM FOR WATERING OPERATIONS. ALL SEEDED AREAS OUTSIDE OF THE IRRIGATION LIMITS WILL NEED TO BE WATERED BY THE CONTRACTOR.

H. ALL SODDING, INCLUDING FERTILIZING AND EROSION CONTROL, SHALL BE IN ACCORDANCE WITH CHAPTER 33 OF THE CITY OF KEARNEY STANDARD SPECIFICATIONS FOR MUNICIPAL CONSTRUCTION, 2015 EDITION WITH CURRENT REVISIONS.

I. NEWLY SODDED AREAS SHALL BE WATERED TWO TIMES PER DAY FOR A PERIOD OF 2 WEEKS AFTER INITIAL SODDING OPERATION AND UNTIL THE SOD IS ESTABLISHED.

J. THE CONTRACTOR SHAL