

GENERAL NOTES:

- Information concerning underground utilities was obtained from available records and existing field conditions when possible. The contractor must determine the exact location and elevation of all existing utilities by hand digging test pits at all utility crossings in advance of trenching with any mechanical device. Clearances less than specified on these plans or whichever is less, contractor shall contact Poe & Associates, Inc. @ 316-685-4114 prior to any further construction.
- Contractor shall coordinate with utility companies on adjusting existing utility line as required by cut and fill at no additional cost to the owner.
- Contractor shall be responsible for relocation or removal of existing underground utilities shown or not shown at no additional cost to the owner.
- Contractor shall include in contract the price for the removal and disposal of any excess topsoil he determines is not needed to establish the final grades and landscaping.
- Contractor shall be responsible for the design and use of any and all required or necessary shoring, sheeting, bracing and special excavation measures required on this project that will meet or exceed OSHA, Federal, State and Local regulations during construction. Poe & Associates, Inc. and the City of Wichita, Ks accepts no responsibility for the contractors failure to comply with these regulations.
- All utilities, including storm sewer, shown within public easements or right of ways shall be constructed to the governing agency's specifications. All other utilities shall be constructed to the client's or the governing agency's specifications, whichever is more stringent, if there is a question as to which specifications should apply the contractor shall contact the engineer of record.
- It is the responsibility of the contractor to familiarize himself with and to follow all recommendations set forth in the Terracon geotechnical studies dated Oct. 9, 2008; Oct. 17, 2008; and April 8, 2009: Terracon Project No. 01087135, 01085168, and 01095043.
- Furthermore it is the responsibility of the contractor to maintain the erosion control measures as shown on these plans and the City's Best Management Practices. Contractor shall keep these maintained throughout all phases of construction. Contractor shall also be responsible for implementing the Storm Water Pollution Prevention Plan.
- All phases of construction shall meet or exceed the City of Wichita, KS standard specifications.

- Contractor shall remove and dispose of all debris, rubbish and other materials resulting from previous and current demolition procedures. Disposal shall be in accordance with all Local, State and/or Federal regulations governing such operations and as approved by the City of Wichita.
- Ensure that fill material is free of brush, rubbish, rocks, logs, stumps, building debris, and other materials inappropriate for constructing stable fills.
- Do not incorporate frozen material or soft, muck, or highly compressible materials into fill slopes.
- The topographic and boundary survey, including but not limited to property lines, legal descriptions, existing utilities, site topography including spot elevations, existing structural locations and outstanding physical features has been provided by Savoy Company, P.A.
- The contractor shall be held solely responsible for and shall take all precautions necessary to avoid property damage to adjacent properties during the construction phases of this project.
- The contractor shall be solely and completely responsible for conditions of the job site, including safety of all persons and property during all phases of construction of this site. This requirement shall apply continuously and shall not be limited to construction working hours.
- All storm drain pipes are measured from center of structures and end of full pipe sections unless otherwise noted on the plans.
- All disturbed areas and slopes shall be graded smooth and (4") of top soil applied. The area shall be seeded and watered until hardy grass growth has been established. (see landscaping plan for seed mix)
- Keep diversions and other water conveyance measures free of sediment during all phases of development.
- Site grading shall not proceed until erosion control measures have been installed.
- The Contractor will be required to provide a minimum of Seventy-Two (72) hours advanced notice to Kansas One Call (1-800-344-7233) and all utility owners within the project prior to the beginning of construction and request that any existing lines be flagged.
- All adjacent buildings, structures, parking lots, drives, street pavements, utility lines, utility structures and appurtenances other than shown for replacement shall be protected from damage during construction of the project. Items damaged beyond the limits shown on the drawings shall be removed and replaced by the Contractor at no additional cost to the Owner.

- The Contractor shall promptly, and before such conditions are disturbed, notify the Engineer if conditions on the site differ from those shown on the plans.
- The Contractor shall comply with all applicable safety regulations, insuring the safety of personnel directly involved with the project and insuring the safety of the public shall be the Contractor's responsibility.
- Survey stakes, bench marks, and property pins destroyed by the Contractor will be replaced at the Contractor's expense.
- All construction shall comply with City of Wichita Standard Specifications except where special provisions overrule.
- The Contractor shall fill Lots 1-3, Block A, of the Maize 54 Addition to the elevations shown in the plans before proceeding with his grading operations to the north. All excess or shortage of material shall be spread over the project limits north of Lot 1, Block A, of the Maize 54 Addition until the site is built to the elevations shown in the plans or until the Contractor runs out of material.
- The bid item for over-excavation and compaction shall include all work necessary to complete the work as shown in the plans and specifications.
- The Contractor shall phase the work in order to complete the future building site first. The Contractor will need to coordinate its activities with the building contractor in order that footings and foundations may commence.
- The seed mix for the excavated areas shall consist of the following by weight, PLS
 -Blue Gamma 30
 -Buffalo Grass 8
 -Partridge Pea 8
 -Western Wheatgrass 10
 -Illinois Bundle Flower 10
 -Sand Lovegrass 8
- Seeding shall be done per City of Wichita specifications. The Contractor shall provide maintenance and a one-year warranty on the seeding in order to achieve a suitable and permanent stand of vegetation.
- Contractor shall at all times maintain positive drainage from the development on the west.
- The computer grading files will be made available to the contractor for bidding purposes only; however, no warranties or representations will be provided as to the accuracy of the files.
- All compacted fill shall be compacted to 95% modified proctor density or as recommended by Terracon. The contractor shall include in its bid the cost to provide the necessary compaction testing to verify 95% compaction. Testing shall be per Terracon's recommendations.

RETAINING WALL NOTES:

- The precast modular retaining wall shall be by Stone Strong or pre-approved product. No non-gravity, pre-cast retaining wall systems that require soil reinforcement or, blocks smaller than 6,000 lb or, depth greater than 44 inches or, fails to contain inner cores or cells, or does not include a molded granite face or, is cast-in-place, shall be considered equal products.
- The contractor shall be required to purchase and stockpile at an approved location any and all pre-cast blocks that are presently located on the site if another wall system is proposed.
- The contractor shall follow the manufacturer's recommendations. The manufacturer's specifications can be found at www.stonstrong.com.
- The local licensee for the manufacturer is Lies Ready-Mix, Kingman, KS 316-641-0641.
- The Contractor shall maintain a minimum bury depth of 9 inches between the design fill grade at the front of the wall and the bottom of the wall.
- The bid price for the retaining wall shall include all work, material and other items as necessary to complete the wall per the intent of the plans and specifications.
- The safety rail at the top of the wall shall be a pipe and cable system as follows:
 -2 1/2 steel pipe 42 inches tall
 -maximum spacing of vertical posts at 8 feet or as approved
 -black powdered epoxy coating
 -horizontal stainless steel cables with a maximum vertical spacing between cables of 4 inches
 -no frayed or broken cable will be accepted
- Contractor shall provide shop drawings to Poe & Associates of the safety rail for approval prior to manufacturing or installing the rail.
- Contact Information:
 Stone Strong
 John Gran or Bob Lewis
 877.501.5652

MAIZE 54 ADDITION DRAINAGE IMPROVEMENT PROJECT RECAPITULATION OF QUANTITIES 8/4/2009		
Item	Qty	Unit
Mobilization	1	LS
Clearing & Grubbing	1	LS
Excavation	52,793	CY
Compacted Fill	69,684	CY
Over Excavation/Compaction	45,225	LS
Retaining Wall	1	LS
Safety Rail	1,450	LF
Manhole Adjustment	1	EA
Inlets	5	EA
Manholes	6	EA
24" RCP	859	LF
36" RCP	622	LF
42" RCP	43	LF
Riprap	731	SY
BMP	1	LS
Seeding	22	AC

NOTE: The quantities shown are for information only. No warranties are provided for the accuracy of the information shown.

**MAIZE 54 ADDITION
SWD 354
GENERAL NOTES
CITY OF WICHITA, KANSAS**
 JAMES L. ARNOUR, P.E. - CITY ENGINEER
 Project No. 468-94575 OCA No. 751483

**POE & ASSOCIATES OF KANSAS, INC.
CONSULTING ENGINEERS**
 5940 E. Central, Suite 200 ■ Wichita, KS 67208-4242
 Phone 316/685-4114 ■ FAX 316/685-4444

FINAL

Designed By: S. Schmidt
 Drawn By: S. Bose/SWS.dwg
 Drawing: 858E/Bose_SWS.dwg
 Date: 07/10/09

Revision
 Approved By: _____
 Date: _____
 No. _____

Sheet
 2 of 25