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**GENERAL NOTES**

Unless shown or stated otherwise on these drawings, drawings, materials, and construction shall be in accordance with City of Wichita Standard Specifications and special provisions.

Contractor will be required to provide a minimum advance notice of seventy-two (72) hours to utility companies prior to starting any excavation as follows:  
 Kansas One-call 1-800-344-7233  
 or local Wichita 687-2470

A 120V electric line is buried in the dam south of Pond 1. The line will be cut by others prior to construction. The contractor shall repair the line prior to backfilling drainage pipe and placing riprap. Work shall be subsidiary to "Pipe, SWS, HDPE 30".

Construction staking shall be performed by the City of Wichita Public Works Department. All staking performed by the City of Wichita will be done at no cost to the contractor. The contractor shall coordinate the survey staking with the City of Wichita Public Works Department and give the surveyor 24 hours notice when stakes are required.

Utility service lines, poles, valve boxes, meters, etc... are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the contractor. Existing utilities and their location, as shown on the plans, represent the best information obtainable for design. Some utilities have been relocated and may not reflect so on the plans. Location information has been obtained from the various utility companies and is either from company record drawings or company provided field locations. The plan locations shown are not guaranteed. Additional existing utilities may also be encountered. The contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.

Rubble from the removal of miscellaneous structures and excess excavation which is to be wasted shall be disposed of on sites to be provided by the contractor. These sites shall be approved by the Engineer as to suitability, appearance and site location. Locations that, in the opinion of the Engineer, will leave an unsightly appearance will not be approved. All disposal sites must be approved by the Kansas Department of Health and Environment. Material either stockpiled or disposed of in a flood plain would require a Kansas State Board of Agriculture permit. Any material dumped in waters of the United States or wetlands is subject to U.S. Corps of Engineers permitting regulations. Any material buried or stockpiled beyond approved construction limits would require additional archeological investigations unless buried in a previously approved borrow location. Millings from the "Mill and Overlay" operation shall become the property of the contractor and disposed of on sites provided by the contractor. These sites shall be approved by the Engineer as to suitability, appearance and site location.

A full-depth saw cut shall be provided at locations where proposed construction abuts an Existing Surface or Pavement for which partial removal of that surface or pavement is required. Saw Joint to facilitate removal within three (3) feet of Existing Joints will not be permitted and for such instances the Limits of Removal shall extend to the Existing Joint.

The contractor shall reseed all areas disturbed by construction with Bermuda (applied at a rate of 1.5-3.0 lbs. per acre) depending on form of seed used. Soil preparation, fertilizing, seeding and watering shall be in accordance with City Standard Specifications. The quantity summary shows the estimated square yards of disturbed area to be seeded, with a bid item for the same. The contractor shall be responsible for installing Erosion Control Blanket (Curlex I, or approved equal) on all seeded areas. All costs for this work shall be subsidiary to "seeding".

See the Site Restoration plans for delineation of seeding and erosion control blanket.

Select Soil (Topsoil) shall be placed at a minimum depth of 6 inches or as specified on the drawings. The finished grade indicates the surface elevation after the prescribed select soil (topsoil) thickness has been placed. Where offsite select soil is needed, it shall be fertile natural topsoil, typical of the locality, obtained from well drained areas. Stockpiled topsoil may be used. It shall be without admixture of subsoil or slag and shall be free of stones, lumps, sticks, plants, or their roots, toxic substances or other extraneous matter that may be harmful to plant growth or would interfere with future maintenance. Topsoil pH range shall be 5.5 to 7.0. Topsoil shall be approved by the Project Engineer prior to placement. Select soil imported will be subsidiary to excavation. No additional payment will be made to import off-site select soil.

All gravel or other similar debris larger than 1/2 inch in diameter shall be raked up and removed during final grade preparation.

A 6" plastic pipe is located parallel to the existing discharge pipes being replaced. These pipes will remain in place. Contractor is responsible for repairing or replacing the plastic pipes and appurtenances if damaged by construction activities.

Backfill material shall consist of suitable soil imported from off-site locations. The cost to import, place and compact soil material shall be subsidiary to "Site Restoration".

The contractor is responsible for dewatering for the purposes of construction. Temporary earthen coffer dams may be utilized to achieve dewatering. All material placed in or near a pond must be removed prior to the end of construction. Material placement and removal must be accomplished in a manner that minimizes sediment discharge into the waterway and ponds. The cost of constructing, maintaining and removing coffer dams is subsidiary to "Site Restoration".

The removal of existing riser pipes are included in the quantities for "Pipe Removed".

New storm sewer installed shall be protected from construction traffic during construction operations.

Trees to be removed are marked with an 'X' or are noted on the plan. Tree removal shall be paid for as "Tree Removal, Large" or "Tree Removal, Small". Removal of brush, shrubs and other vegetative debris including stumps from trees that have already been removed prior to construction shall be Subsidiary to "Site Clearing". See the Special Provisions.

Site access will be provided in two locations as shown on sheet 3. Contractor shall coordinate with the golf course regarding use of these access points and restrictions to their use. Traffic control on public streets shall be erected at each access point when used. Contact Ron Reece (316-688-9353) for coordination.

The improvements shown for North of Pond 1 Site Plan will be bid as an add alternate. After reviewing bids, the City will determine whether the work associated with site will be included in the contract or not.

**SURVEY CONTROL**

Datum:  
 The Horizontal Datum is based on the Kansas Coordinate System of 1983(2011), South Zone. Coordinates shown have been modified to the ground using a combined adjustment factor of 1.0001200144. State Plane coordinates can be calculated by multiplying the shown values by 0.99988.

All elevations shown are based on the NAVD 88 vertical datum.

Control Points / Benchmarks (GND):  
 CP 100  
 N: 1692110.254 E: 1662311.367 EL: 1381.155  
 5/8" by 24" rebar with 2" Aluminum MKEC CP cap

CP 101  
 N: 1690254.031 E: 1662230.471 EL: 1348.240  
 +CUT in sidewalk west of bridge

CP 102  
 N: 1691263.216 E: 1662810.820 EL: 1355.610  
 +CUT in sidewalk south of bridge

CP 103  
 N: 1691784.691 E: 1663050.377 EL: 1359.113  
 +CUT in sidewalk north of bridge

CP 104  
 N: 1692094.095 E: 1663387.740 EL: 1363.105  
 +CUT in sidewalk west of bridge

CP 105  
 N: 1692242.961 E: 1663467.956 EL: 1364.174  
 +CUT in sidewalk west of dam

CP 106  
 N: 1692998.390 E: 1663413.304 EL: 1371.151  
 +CUT in sidewalk west of dam

CP 107  
 N: 1693514.339 E: 1663842.700 EL: 1372.821  
 +CUT in sidewalk east of bridge

Note:  
 All Control Points shown have elevations established using standard surveying procedures and can be used as temporary benchmarks. When using a Control point as a temporary benchmark, it is recommended that cross-checks be made to other control points or benchmarks to confirm elevations prior to use.

Utilities:  
 The underground utilities shown hereon were marked in the field by the utility owners in response to Kansas One Call ticket number: 21660815. The surveyor makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from information available. The surveyor has not physically located the underground utilities.

BASE BID		
BID ITEM DESCRIPTION	QUANTITY	UNIT
<b>Lump Sum Bid Items</b>		
Mobilization	1	LS
Removal of Existing Structures	1	LS
Site Clearing	1	LS
Site Restoration	1	LS
Seeding, Bermuda	1	LS
Traffic Control	1	LS
Concrete (Grade 4.0)	52	CY
Reinforcing Steel (Gr. 60)	5310	Lbs.
Structural Steel	1280	Lbs.
Concrete (Seal Course)	2	CY
Fill, CLSM	10	CY
Pile, Sheet (Steel)	325	LF
<b>Measured Quantity Bid Items</b>		
Sidewalk, Drive &/or Parking Lot Removed	96	SY
Pipe, CMP 24", Removed	167	LF
Concrete Sidewalk 5"	682	SF
Inlet, Drop (Nyloplast or Equal)	3	EA
Pipe, SWS, HDPE 30"	158	LF
Riprap, Light Stone, Grouted	968	SY
BMP, Biodegradable Log	524	LF
Tree Removal, Large	6	EA
Tree Removal, Small	1	EA

ADD ALTERNATE NO. 1		
BID ITEM DESCRIPTION	QUANTITY	UNIT
<b>Lump Sum Bid Items</b>		
Mobilization	1	LS
Removal of Existing Structures	1	LS
Site Clearing	1	LS
Site Restoration	1	LS
Seeding, Bermuda	1	LS
Concrete (Grade 4.0)	44	CY
Reinforcing Steel (Gr. 60)	4000	Lbs.
Structural Steel	1280	Lbs.
Concrete (Seal Course)	2	CY
<b>Measured Quantity Bid Items</b>		
Sidewalk, Drive &/or Parking Lot Removed	27	SY
Concrete Sidewalk 5"	209	SF
BMP, Biodegradable Log	70	LF



PLANS FOR  
**MACDONALD GOLF COURSE DRAINAGE IMPROVEMENTS**  
 WICHITA, KS

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**GENERAL NOTES, QUANTITIES AND MISC. INFO.**

PROJECT NO.	
DATE	01/20/2022
SCALE	NONE
DESIGNED	DRAWN
JRA	RAM
CHECKED	JRA
NO.	REVISION
	DATE

SHEET NO.