

GENERAL NOTES

- ALL CONSTRUCTION AND MATERIALS TO COMPLY WITH CITY OF WICHITA STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
- EACH BIDDER SHALL VISIT THE SITE OF THE PROJECT BEFORE SUBMITTING THE PROPOSAL FOR THIS WORK SO THAT THEY WILL BE FULLY INFORMED OF THE EXISTING FIELD CONDITIONS AND THE OBSTACLES WHICH MIGHT BE ENCOUNTERED. UPON AWARD OF THE CONTRACT THE CONTRACTOR WILL NOT BE GRANTED ANY ADDITIONAL COMPENSATION WITH REGARDS TO TIME AND MONEY FOR CONDITIONS THAT MAY HAVE BEEN EVALUATED DURING ANY INSPECTION OF THE SITE.
- AT LEAST 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION (EXCLUDING WEEKENDS AND HOLIDAYS), THE CONTRACTOR SHALL CONTACT THE KANSAS ONE-CALL SYSTEM, A UTILITY LOCATION SERVICE, AT 1-316-687-2470 OR 811 TO REQUEST THE LOCAL UTILITY COMPANIES TO LOCATE ANY EXISTING LINES WITHIN THE PROJECT AREA.
- THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:
 EMERGENCY DISPATCH 911
 AT&T 800-246-8464
 CITY OF WICHITA WATER & SEWER 316-219-8921
 CITY OF WICHITA STORMWATER 316-268-4090
 CITY OF WICHITA TRAFFIC 316-268-4034
 BLACK HILLS ENERGY 800-694-8989
 COX COMMUNICATIONS 888-249-3530
 KANSAS GAS SERVICE 888-482-4950
 WESTAR ENERGY 800-544-4857
- THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS OF DEVELOPED PROPERTY DIRECTLY ADJUTING THE CONSTRUCTION OF THIS PROJECT A MINIMUM OF TEN (10) DAYS ADVANCE NOTICE PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL NOT START WORK ON THE PROJECT UNTIL THE PROJECT INSPECTOR IS ASSIGNED AND IS PRESENT ON THE SITE. ANY WORK DONE WITHOUT INSPECTION WILL BE REQUIRED TO BE UNCOVERED FOR INSPECTION AT THE CONTRACTORS EXPENSE.
- ALL ELEVATIONS SHOWN ARE NAVD88 DATUM. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL RE-ESTABLISH CONTROL POINTS AND BENCH MARKS AND VERIFY THEIR ACCURACY.
- EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE DRAWINGS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS UTILITY COMPANIES AND IS EITHER FROM COMPANY RECORD DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. IT SHOULD BE NOTED THAT OTHER BURIED LINES AND CABLES MAY EXIST WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL HAVE ALL BURIED LINES LOCATED AND FLAGGED IN THE FIELD PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL CONTACT THE ENGINEER AND REVIEW ALL BURIED LINES LOCATED TO DETERMINE IF CONFLICTS EXIST. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION DURING TRENCHING OPERATIONS TO AVOID DAMAGING THESE LINES. ANY LINES DAMAGED SHALL BE REPLACED OR REPAIRED IMMEDIATELY AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR SHALL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY THEIR CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS. ALL COSTS FOR THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO "SITE RESTORATION".
- EASEMENTS AND RIGHT-OF-WAY PROVIDED BY THE OWNER FOR THE PROJECT ARE SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACQUISITION OF ANY ADDITIONAL TEMPORARY EASEMENTS OR RIGHT-OF-WAY DESIRED TO USE IN COMPLETING THE WORK.
- THE CONTRACTOR SHALL CONTAIN THEIR OPERATIONS TO PERMIT LOCAL AND EMERGENCY TRAFFIC THROUGH AND ACROSS CONSTRUCTION AT ALL TIMES. INTERURBAN TRAFFIC GENERATED OUTSIDE THE PROJECT AREA AND LOCAL BUSINESS OR RESIDENTIAL TRAFFIC GENERATED WITHIN THE PROJECT AREA ARE TO BE CARRIED THROUGH CONSTRUCTION. THE CONTRACTOR SHALL UTILIZE WARNING SIGNS, FLASHING LIGHTS, BARRICADES, AND FLAGMEN IN COMPLIANCE WITH LATEST VERSION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) TO ENSURE SAFETY.
- RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES INCLUDING ANY TREES REMOVED, TREE TRIMMINGS, AND EXCESS EXCAVATION WHICH IS TO BE WASTED SHALL BE DISPOSED OF ON SITES PROVIDED BY THE CONTRACTOR. THESE SITES SHALL ALSO 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 WILL 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 MAY REQUIRE ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED DISPOSAL LOCATION.
- THE CONTRACTOR SHALL RESTORE ALL DITCHES, SWALES, ROAD SHOULDERS, AND BANKS TO THEIR ORIGINAL SLOPES AND GRADES EXCEPT AS SHOWN OTHERWISE. WHERE EXISTING ENTRANCE PIPE, DRAINAGE PIPE, SIGNS, FENCES, IRRIGATION, LANDSCAPING, ETC., CONFLICT WITH THE PROPOSED WORK HEREIN, THEY SHALL BE REMOVED AND REPLACED OR RESET, UNLESS OTHERWISE NOTED ON THE DRAWINGS. THE REPLACEMENT OF ALL THE FOREMENTIONED ITEMS, INCLUDING SEEDING, FERTILIZER, AND MULCHING SHALL BE CONSIDERED SUBSIDIARY TO "SITE RESTORATION".
- ALL LAWN/TURF AREAS DISTURBED BY CONSTRUCTION OF THE PROPOSED IMPROVEMENTS SHALL BE RESTORED WITH THE SAME GRASS/SOD AS EXISTING. RESTORATION OF DISTURBED AREAS SHALL INCLUDE, BUT NOT BE LIMITED TO, TOP SOIL PREPARATION, SEEDING, MULCHING, AND/OR RE-SEEDING. ALL SEEDING/SODDING WORK SHALL BE IN ACCORDANCE WITH THE CITY OF WICHITA STANDARD SPECIFICATIONS AND THE CITY OF WICHITA ADMINISTRATIVE REGULATION NO. AR6.5 WHICH GOVERNS CLEANUP AND RESTORATION OR REPLACEMENT FOLLOWING CONSTRUCTION. ALL COSTS FOR THIS WORK SHALL BE SUBSIDIARY TO "SEEDING".
- THE CONTRACTOR SHALL SEED ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH THE EROSION CONTROL PLAN.
- ALL EXISTING PAVEMENT AND CURB AND GUTTER WITHIN THE CONSTRUCTION LIMITS SHALL BE SAW CUT, FULL DEPTH, TO THE LINES SHOWN ON THE PLANS, OR TO THE NEAREST JOINT, AND REMOVED, UNLESS OTHERWISE NOTED. IF REMOVAL LIMITS ARE WITHIN THREE FEET OF A JOINT, REMOVE TO THE JOINT.
- IF TRAFFIC WILL BE IMPACTED BY CONSTRUCTION, A TRAFFIC CONTROL PLAN MUST BE SUBMITTED AND APPROVED BY THE CITY TRAFFIC ENGINEER, AT TRAFFIC@WICHITA.GOV BEFORE CONSTRUCTION CAN BEGIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL MEASURES TO FACILITATE CONSTRUCTION. ALL CONSTRUCTION ZONE MARKINGS AND SIGNAGE SHALL CONFORM TO THE LATEST VERSION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS PUBLISHED BY THE US DEPT. OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION. ALL COSTS ASSOCIATED WITH CONSTRUCTION MARKINGS AND SIGNAGE SHALL BE THE CONTRACTORS RESPONSIBILITY.
- ALL TRAFFIC CONTROL DEVICES IN THE WORK ZONE (INCLUDING MARKINGS AND SIGNS) AND THEIR INSTALLATION AND MAINTENANCE SHALL COMPLY WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL TRAFFIC CONTROL DEVICES IN THE TRAVELED WAY OR CLEAR ZONE SHALL BE CRASHWORTHY (NCHRP Report 350 or MASH compliant).
http://safety.fhwa.dot.gov/roadway_dept/policy_guide/road_hardware/wzd
- ALL CONSTRUCTION EQUIPMENT, INCLUDING VEHICLES, MATERIALS, AND DEBRIS, SHALL BE STORED OUTSIDE OF THE CLEAR ZONE. WHERE THIS CANNOT BE ACHIEVED THE CONTRACTOR SHALL PLACE APPROPRIATE SIGNS, OBJECT IDENTIFIERS, AND/OR BARRICADES IN COMPLIANCE WITH THE MUTCD.
- EXCEPT WHEN REQUIRED FOR SAFETY, TRAFFIC CONTROL SHALL NOT BLOCK ANY LANES OR SIDEWALKS WHEN WORK IS NOT BEING PERFORMED.
- THE CONTRACTOR SHALL ADHERE TO THE LATEST ADA REGULATIONS. ANY DISCREPANCIES WITH GRADES SHOWN SHALL BE REPORTED TO THE ENGINEER FOR RESOLUTION PRIOR TO PLACEMENT OF PAVEMENT, INCLUDING CONCRETE WALKS. THE CONTRACTOR SHALL COMPLY TO THE FOLLOWING GRADING REQUIREMENTS FOR ADA ACCESSIBLE ROUTES:

 CURB RAMPS - SLOPE NOT TO EXCEED 1:12
 MAX RISE OF 6 INCHES.

 CONCRETE WALKS - LONGITUDINAL SLOPE NOT TO EXCEED 5%
 TRANSVERSE SLOPE NOT TO EXCEED 2%.

 LANDING AREAS - SLOPE NOT TO EXCEED 2% IN ALL DIRECTIONS
 5' LANDING AREA REQUIRED AT DOOR ENTRANCES
 AND CURB RAMPS.

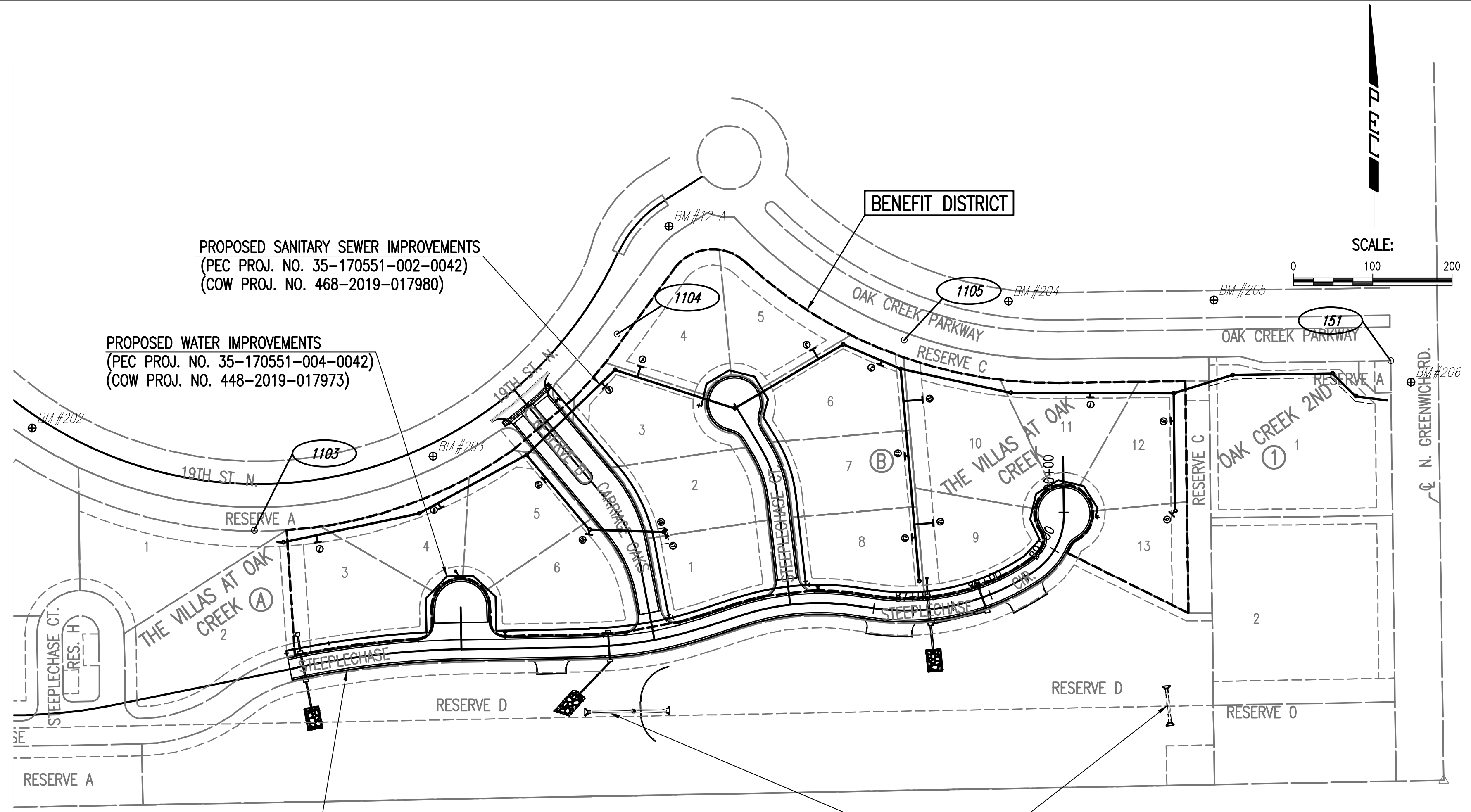
 THE CONTRACTOR SHALL COORDINATE ACCESS TO THE SITE WITH THE CITY OF WICHITA PRIOR TO CONSTRUCTION.

PROPOSED SANITARY SEWER IMPROVEMENTS
 (PEC PROJ. NO. 35-170551-002-0042)
 (COW PROJ. NO. 468-2019-017980)

PROPOSED WATER IMPROVEMENTS
 (PEC PROJ. NO. 35-170551-004-0042)
 (COW PROJ. NO. 448-2019-017973)

PROPOSED PAVEMENT IMPROVEMENTS
 (PEC PROJ. NO. 31-170551-000-0042)
 (COW PROJ. NO. 472-2019-085583)

PROPOSED STORM WATER DRAIN IMPROVEMENTS
 (PEC PROJ. NO. 35-170551-001-0042)
 (COW PROJ. NO. 468-2019-085434)



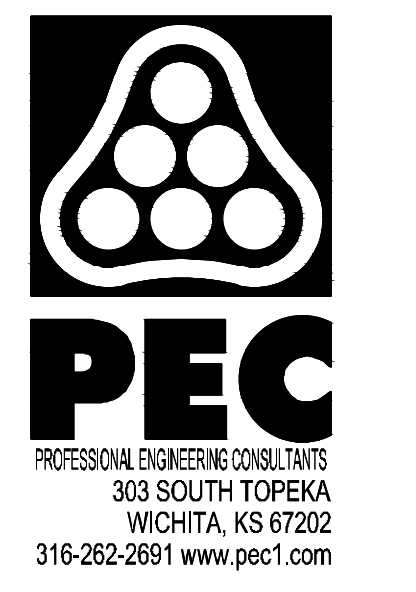
BENCHMARKS

- BM #12A** - SQUARE CUT IN THE CENTER FACE OF THE CURB INLET ON THE SOUTH CURB LINE OF 19TH ST. N. +/- 100' WEST OF OAK CREEK PARKWAY, WEST OF ROUNDABOUT CIRCLE. FROM PEC PROJECT # 170638-000 CARRIAGE OAKS ADDITION PLAT. N: 385,337.852, E: 2,373,139.368 ELEV.= 1380.58 (NAVD88)
- BM #16** - SQUARE CUT ON THE SOUTH TOP OF CURB IN REMINGTON PLACE ADDITION. NEAR THE NORTHWEST CORNER OF LOT 5, BLOCK 1 OAK CREEK 2ND ADDITION. +/- 100' WEST OF CRANBROOK STREET. FROM PEC PROJECT # 170638-000 CARRIAGE OAKS ADDITION PLAT. N: 385,749.354, E: 2,371,441.675 (NOT SHOWN) ELEV.= 1395.23 (NAVD88)
- BM #201** - SQUARE CUT ON THE NORTHEAST SIDE OF A CONCRETE LIGHT POLE BASE ON THE SOUTH SIDE OF 19TH ST. N AND WEST OF N VERANDA ST. +/- 3' NORTHEAST TO THE SOUTH CURB LINE ALONG 19TH ST. N. +/- 68' NORTHEAST TO THE BASE OF THE "ROUNDABOUT AHEAD" SIGN POST. N: 385,458.586, E: 2,371,735.983 (NOT SHOWN) ELEV.= 1399.86 (NAVD88)
- BM #202** - SQUARE CUT ON THE SOUTH TOP OF CURB ALONG 19TH ST. N. NEAR THE SOUTHWEST CORNER OF LOT 4 BLOCK 3, OAK CREEK 2ND ADDITION. +/- 5' SOUTHWEST TO THE TOP BOLT OF A FIRE HYDRANT. +/- 55' WEST TO THE CENTER OF A BURIED ELECTRIC HAND BOX. +/- 64' NORTHWEST TO THE BASE OF A LIGHT POLE. N: 385,082.916, E: 2,372,336.681 ELEV.= 1394.77 (NAVD88)
- BM #203** - SQUARE CUT ON THE SOUTH TOP OF CURB ALONG 19TH ST. N. NEAR THE SOUTHWEST CORNER OF LOT 3 BLOCK 2, OAK CREEK 2ND ADDITION. +/- 50' NORTHEAST TO THE TOP BOLT ON A FIRE HYDRANT. +/- 40' WEST OF N CARRIAGE OAKS ST. N: 385,047.587, E: 2,372,842.255 ELEV.= 1389.93 (NAVD88)
- BM #204** - SQUARE CUT ON THE NORTH TOP OF CURB ALONG 19TH ST. N. NEAR THE SOUTHWEST CORNER OF LOT 3 BLOCK 1 OAK CREEK 4TH ADDITION. +/- 17' EAST-NORTHEAST TO THE BASE OF A LIGHT POLE. +/- 24' NORTH TO THE TOP OF A TELEPHONE PEDESTAL. +/- 39' WEST-NORTHWEST TO THE BASE OF A "PEDESTRIAN CROSSING" SIGN POST. N: 385,243.013, E: 2,373,567.542 ELEV.= 1372.86 (NAVD88)
- BM #205** - SQUARE CUT IN THE CENTER OF THE TOP OF THE EAST INLET, ON THE NORTH SIDE OF 19TH ST. N., NEAR GREENWICH RD. +/- 12' EAST TO THE BASE OF A LIGHT POLE. +/- 72' SOUTH TO THE NORTHEAST CORNER OF RESERVE AREA "D" CARRIAGE OAKS 2ND ADDITION. +/- 250' EAST TO THE WEST CURB LINE ALONG N GREENWICH RD. N: 385,244.808, E: 2,373,826.615 ELEV.= 1367.87 (NAVD88)
- BM #206** - SQUARE CUT IN THE CENTER OF A CURB INLET ON THE WEST SIDE OF N GREENWICH RD. AND SOUTH OF THE EAST ENTRANCE TO OAK CREEKS SUBDIVISION. +/- 27' NORTH-NORTHWEST TO THE BASE OF A WOOD LIGHT POLE. +/- 37' WEST TO THE SOUTH END OF THE STONE "OAK CREEKS" SIGN. +/- 51' NORTHWEST TO THE BASE OF THE "STOP" SIGN POST. N: 385,140.940, E: 2,374,075.242 ELEV.= 1363.66 (NAVD88)
- BM #207** - CITY OF WICHITA BRASS DISC ON THE SOUTH END OF THE WEST HEADWALL OF A RCB RUNNING EAST-WEST UNDER N GREENWICH RD. +/- 29' EAST TO THE WEST CURB LINE ALONG N GREENWICH RD. +/- 43' NORTH TO THE CENTERLINE OF THE GRAVEL PATH TO THE WEST (ABANDONED RR TRACKS). N: 384,549.240, E: 2,374,048.014 ELEV.= 1366.78 (NAVD88)

CONTROL POINT

- Pt. No. 1103**
 1/2" REBAR WITH PEC CONTROL CAP SET FLUSH WITH GROUND ON THE SOUTH SIDE OF E 19TH ST. AND ON THE WEST END OF THE BERM WEST OF THE PROPOSED N CARRIAGE OAKS ST.
 N: 384,954.16, E: 2,372,616.65
 ELEV.= 1399.86 (NAVD88)
 1. 43.4' NORTH TO A CHISELED "X" CUT ON THE SOUTH CURB LINE OF 19TH ST.
 2. 49.8' NORTHWEST TO THE SOUTHEAST BOLT OF A 12" X 24" BURIED ELECTRICAL BOX.
- Pt. No. 1104**
 1/2" REBAR WITH PEC CONTROL CAP SET FLUSH WITH GROUND ON THE SOUTHEAST SIDE OF E 19TH ST. AND ON THE NORTH END OF THE BERM SOUTH OF THE ROUND-ABOUT AT E 19TH ST. AND OAK CREEK PKWY.
 N: 385,201.40, E: 2,373,073.86
 1. 34.70' NORTHWEST TO A CHISELED "X" CUT ON THE TOP OF THE SOUTH/EAST CURB LINE ALONG E 19TH ST.
 2. 51.0' SOUTHWEST TO THE BASE OF THE "ROUND-ABOUT AHEAD" SIGN POST.
- Pt. No. 1105**
 1/2" REBAR WITH PEC CONTROL CAP SET FLUSH WITH GROUND ON THE SOUTH SIDE OF OAK CREEK PKWY.
 N: 385,194.10, E: 2,373,436.08
 1. 40.4' NORTHWEST TO A CHISELED "X" CUT IN THE EAST SIDE OF THE CONCRETE BASE OF A STREET LIGHT POLE.
 2. 23.8' NORTH TO A CHISELED "X" CUT ON THE TOP OF THE SOUTH CURB LINE ALONG E 19TH ST.
- Pt. No. 151**
 1/2" REBAR WITH PEC CAP (PROPERTY CORNER) +/- 0.2' BELOW GROUND ON THE SOUTHWEST CORNER OF THE INTERSECTION OF OAK CREEK PKWY AND N GREENWICH RD.
 N: 385167.89, E: 2374049.30
 1. 15.0' NORTH TO THE SOUTH CURB LINE OF E OAK CREEK PKWY.
 2. 25.5' EAST TO THE WEST CURB LINE ALONG N GREENWICH RD.
- Pt. No. 1101 (NOT SHOWN)**
 1/2" REBAR WITH PEC CONTROL CAP SET FLUSH WITH GROUND ON THE SOUTH SIDE OF E 19TH ST. AND ON THE WEST END OF THE BERM SOUTH OF THE ROUND-ABOUT AT E 19TH ST AND CHATEAU PKWY.
 N: 385,657.03, E: 2,371,578.30
 1. 49.1' NORTH TO A CHISELED "X" CUT ON THE SOUTHEAST CORNER OF THE CURB INLET.
 2. 77.8' NORTHEAST TO CHISELED "X" CUT ON CENER OF THE WEST END OF THE CURB ISLAND SOUTHEAST OF THE ROUND-ABOUT
- Pt. No. 1102 (NOT SHOWN)**
 1/2" REBAR WITH PEC CONTROL CAP SET FLUSH WITH GROUND ON THE SOUTH SIDE OF EAST 19TH STREET AND EAST OF THE PROPOSED VERANDA STREET.
 N: 385,336.40, E: 2,371,961.09
 1. 96.6' WEST-NORTHWEST TO THE TOP BOLT OF A FIRE HYDRANT.
 2. 3.45' NORTH TO A CHISELED "X" CUT IN THE TOP OF THE SOUTH CURB LINE ALONG 19TH STREET.

SURVEY PREPARED FEBRUARY 12, 2018
 BY PEC FIELD SERVICES.



PAVING INCIDENTAL DRAINAGE IMPROVEMENTS THE VILLAS AT OAK CREEK PHASE 1
 GARY JANZEN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2019-085583

Issue:	
JOB NO.	170551
DATE	NOVEMBER, 2019
PM	BMM
DESIGNED BY	AKL
DRAWN BY	BJS, CP
CHECKED BY	BMM

KEY MAP AND GENERAL NOTES
02
 TOTAL SHEETS 51

Sheet 11 of 14 - 11-14-2019 4:10:48 PM by CP
 Plot Scale: 1" = 100'-0" 11-15-2019 11:56:59 AM by KURTIS DEKAT
 U:\Projects-Civil\2017\170551\000\Main-Draws\Drawings\170551-000-002-KEY MAP AND GENERAL NOTES