

GENERAL NOTES:

- The Contractor shall comply with all applicable safety regulations. All construction shall be completed following most recent City of Wichita Standards, Specifications and Special Provisions.
- Contractor will be required to provide notice to utility companies a minimum of twenty-four (24) hours prior to any excavation, as follows:

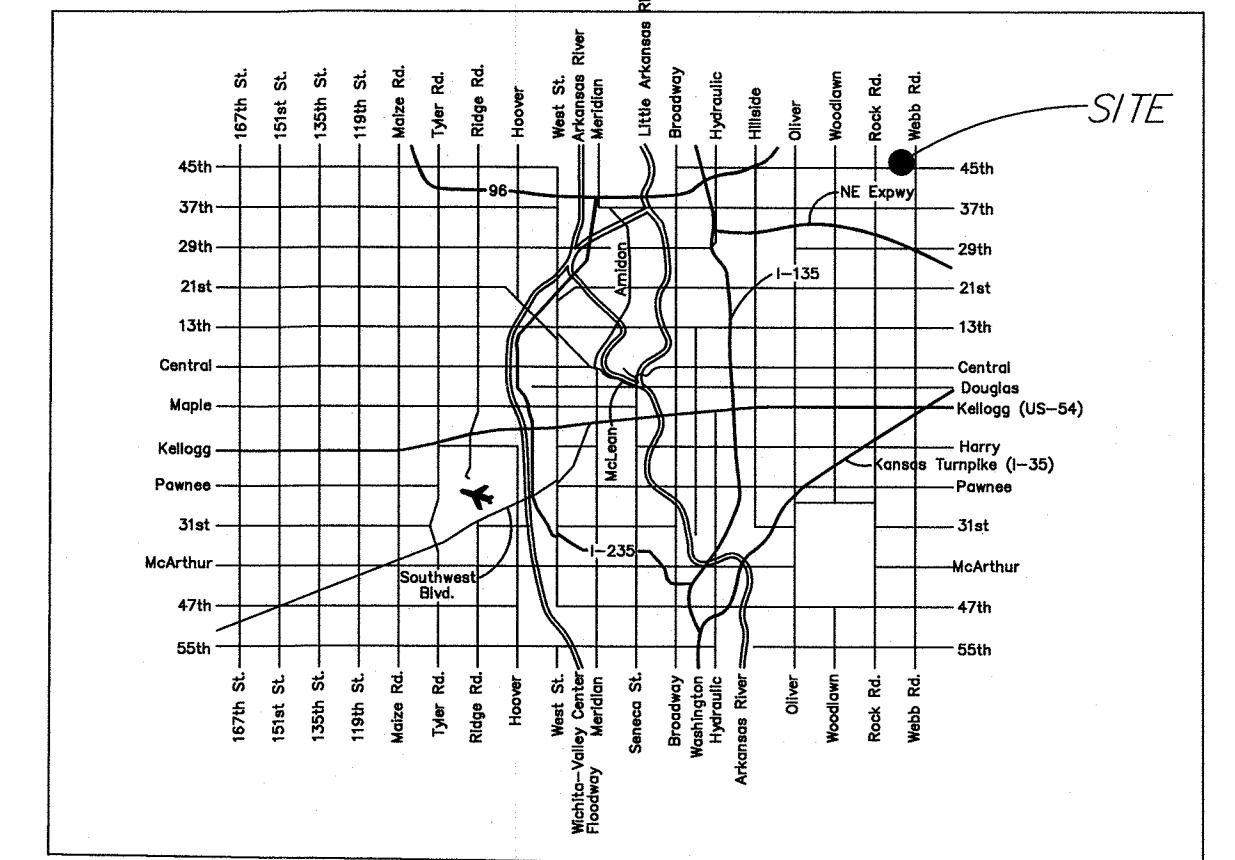
Kansas One-Call (316)687-2470

The Contractor must notify the following in case of an emergency:

AT&T 1-800-246-8464
Black Hills Energy 1-800-694-8989
City of Wichita Water 1-316-268-4555
City of Wichita Sewer 1-316-268-4073
City of Wichita Stormwater 1-316-268-4090
City of Wichita Traffic 1-316-268-4034
Cox Communications 1-888-249-3530
Kansas Gas Service 1-888-482-4950
Westar Energy 1-800-544-4857
- Utility service lines, poles, etc. are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically identify a utility to be adjusted by its owner during construction. Existing utilities and their locations, as shown on the plans, represent the best information obtainable for design. 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, in the opinion of the Engineer, that 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 water 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.
- Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor with the Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.
- The Contractor shall give all property owners and/or tenants of developed property abutting the construction of this project a minimum of ten (10) days notice prior to start of construction.
- The Contractor shall be responsible for preserving property irons. The Contractor will be required to re-establish any property irons which are damaged or destroyed by his construction operations. Such irons shall be re-established by a licensed land surveyor in accordance with state laws.
- The Water Distribution Division shall field located water valves one time during construction when requested by the Contractor. It shall be the Contractor's responsibility to preserve such field locations during the construction process. Water valves, valve boxes or fire hydrants damaged during construction shall be repaired by Contractor at his own expense. Valve boxes and water meters within the project limits shall be adjusted to match field grades.
- The Contractor shall notify the consultant engineer and Tom Mason at 316-268-4574 with the City of Wichita with the anticipated construction start date and notify them of project completion. Staking and inspection for this project will be the responsibility of the Contractor.
- If traffic will be impacted by construction, a traffic control plan must be submitted and approved by the City Traffic Engineer, Brian Coon 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 Contractor's responsibility.
- All elevations shown are U.S.G.S. Datum (NAVD 88).
- All areas disturbed during construction that will not be under proposed pavement shall be restored to match existing conditions.
- All stubs and plugged pipes shall be located with green plastic tape in the same manner as risers.

- Connecting to Existing Manholes:
Prior to laying sewer lines using existing stubs in existing manholes, the Contractor shall expose and verify the elevation, grade and alignment of existing stubs and notify the Engineer of any deviation from the plans. Where connection to an existing manhole that does not have an existing stub or the stub is unusable due to elevation grade or alignment, the Contractor shall bore cut into existing manhole wall to make connection using approved water stop gasket, and reshape the existing manhole invert to provide smooth flow. The cost to connecting to existing manholes is incidental to the project.
- Contractor shall limit the extent of trench open overnight and weekends to less than 50 feet.
- Contractor shall provide positive drainage away from all manhole covers.
- The Contractor shall prevent any construction debris from entering the existing sanitary sewer during construction.
- The Contractor shall be responsible for maintaining continuous flow of sewage through construction. Contractors proposed method for maintaining sewage flow shall be submitted and approved by the Sewer Maintenance Division (316-268-4073) prior to starting and by-passing of sewage flows.
- Any over excavation from manhole and pipe removal shall be backfilled with AB-3 compacted to 90-95% ASTM D698.
- Any sidewalk, drive approach, curb, or street pavement removed to construct project must have a pavement cut permit and be replaced by the City contractor. Permits can be obtained by calling 316-268-4501 or 316-268-4480.

**SANITARY SEWER
to serve
Lot 1, Block 1, Toben Third Addition
9404 E. 39th St. N.
FIGEAC
CITY OF WICHITA, KANSAS
Gary Janzen, P.E., City Engineer
2254 PPS (607861)**



(For Visual Use Only)
LOCATION MAP

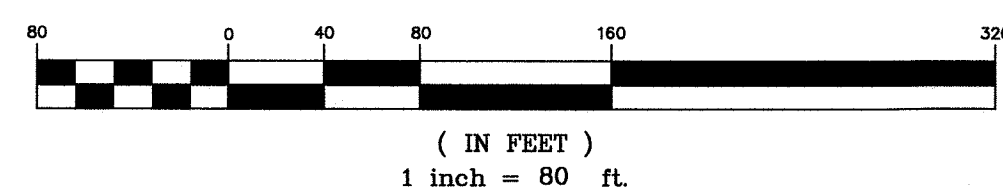
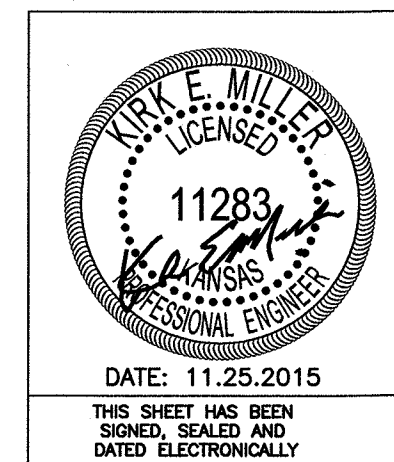
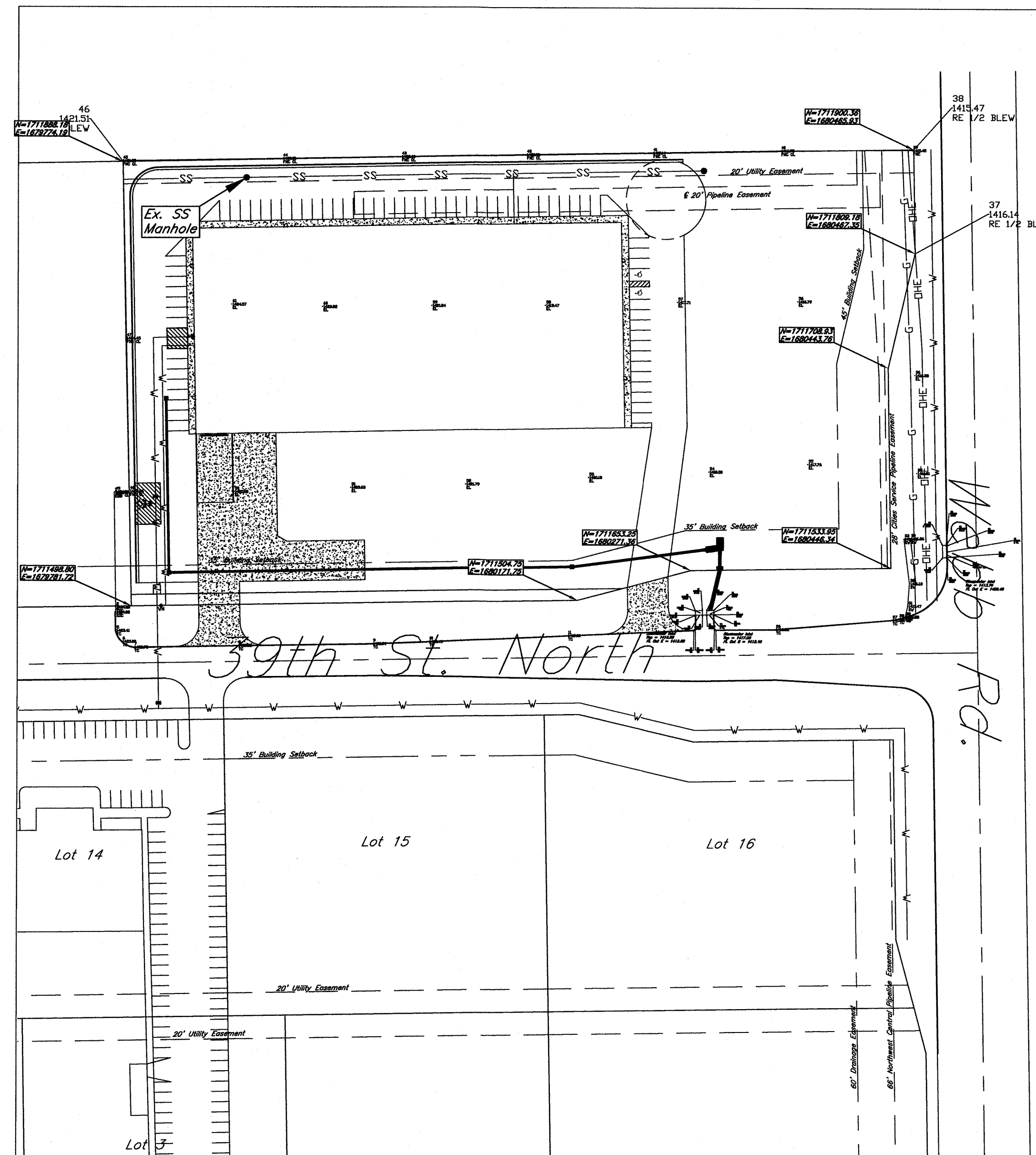
Index of Sheets:

- Cover Sheet
- Plan and Profile Sheet
- 3.0-3.4 Erosion Control BMP Details (attached or available on City's website)
- Plat

Benchmark:

COW Benchmark NW corner of the intersection of Webb and 37th St. N. Elev. = 1415.42 NAVD88

T. Mason - City of Wichita, Inspector
Release Date: 04/19/2016
Apr 04/21/2016



AS BUILTS

Contractor: **McCullough Excavation**
Project Inspector: **Matt Perez**

3/28/2016

KEMILLER ENGINEERING PA
117 E. Lewis, Wichita, KS 67202 (316)264-0242

JUNE 2015

APPROVED AS NOTED BY WICHITA PUBLIC WORKS ENGINEERING DIVISION

Engineering: *[Signature]* 12/10/2015
Utilities: *[Signature]* 12-10-15

NOTE TO CONTRACTORS

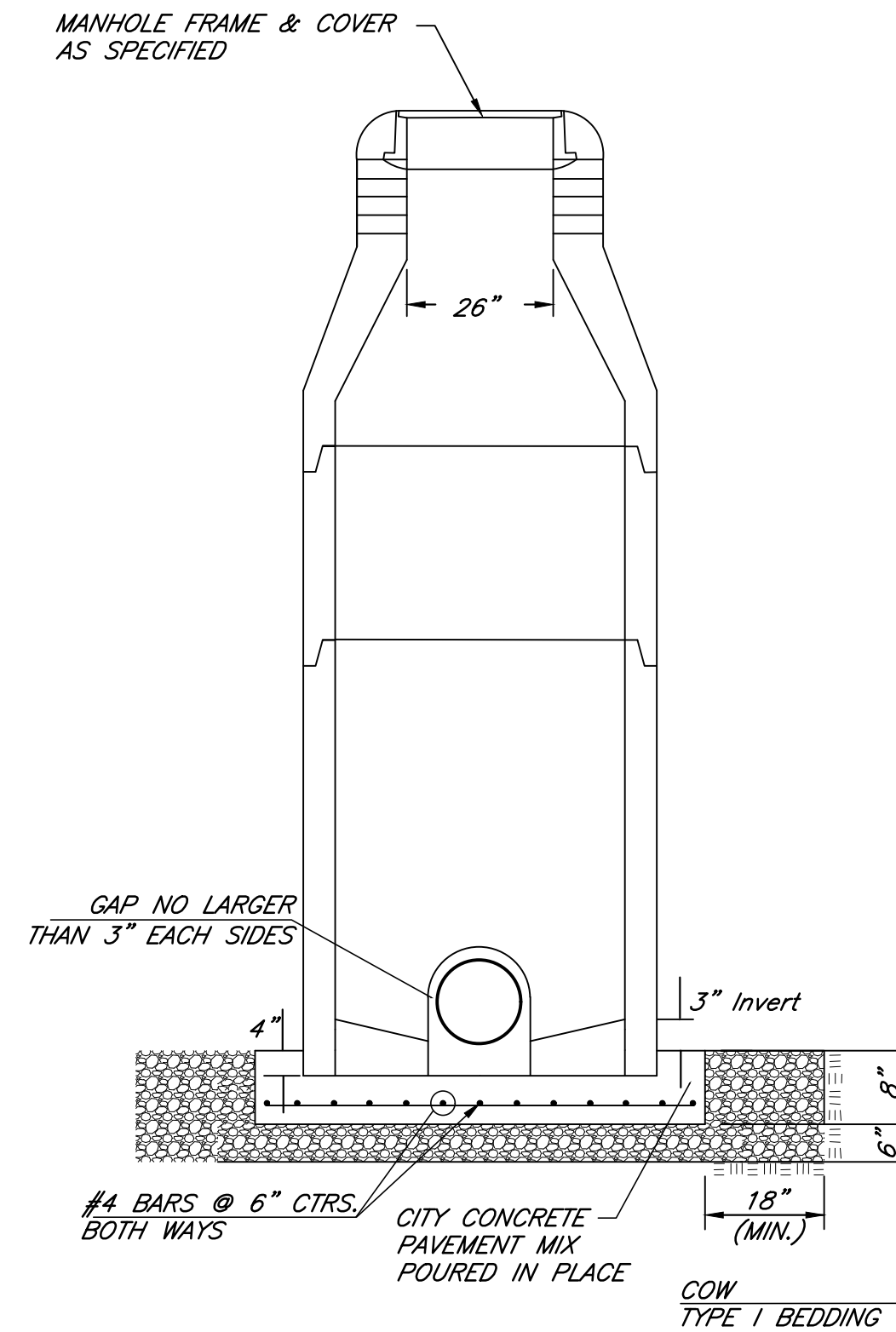
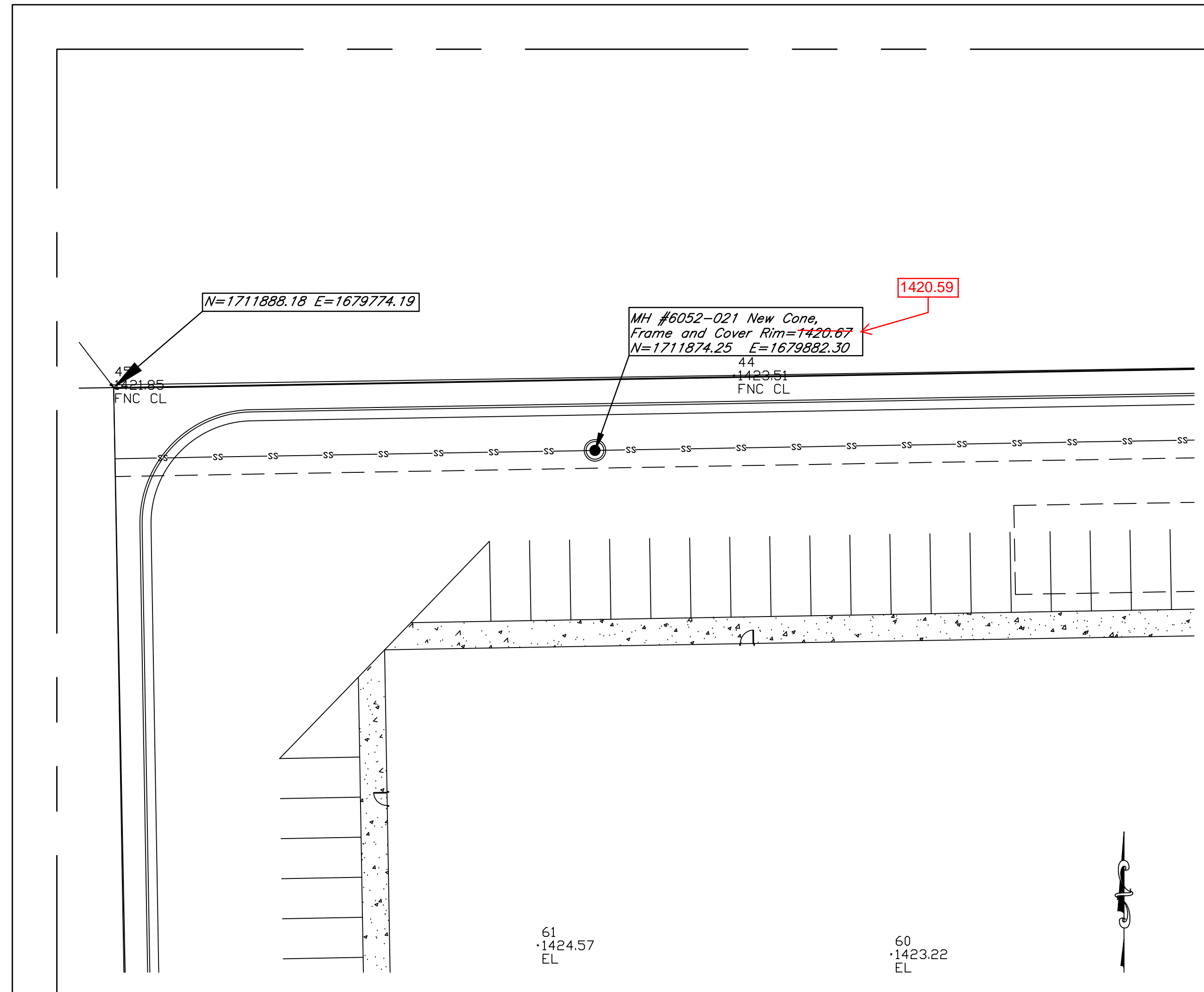
Inspection and testing for this project is to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Said inspection to be in accordance with the City of Wichita standard construction engineering practices and certified by a Licensed Professional Engineer in the state of Kansas. No work shall be performed by the Contractor without such inspection nor shall any work be commenced without written authorization by City Engineering. All Construction and Materials shall comply with the current City of Wichita Specifications and Standards and Special Provisions. (on file and available at Wichita.gov).

An approved copy of these plans signed by City staff are required on-site.

KEMILLER ENGINEERING PA

117 E. Lewis, Wichita, KS 67202 (316)264-0242

PRECAST SANITARY SEWER MANHOLE

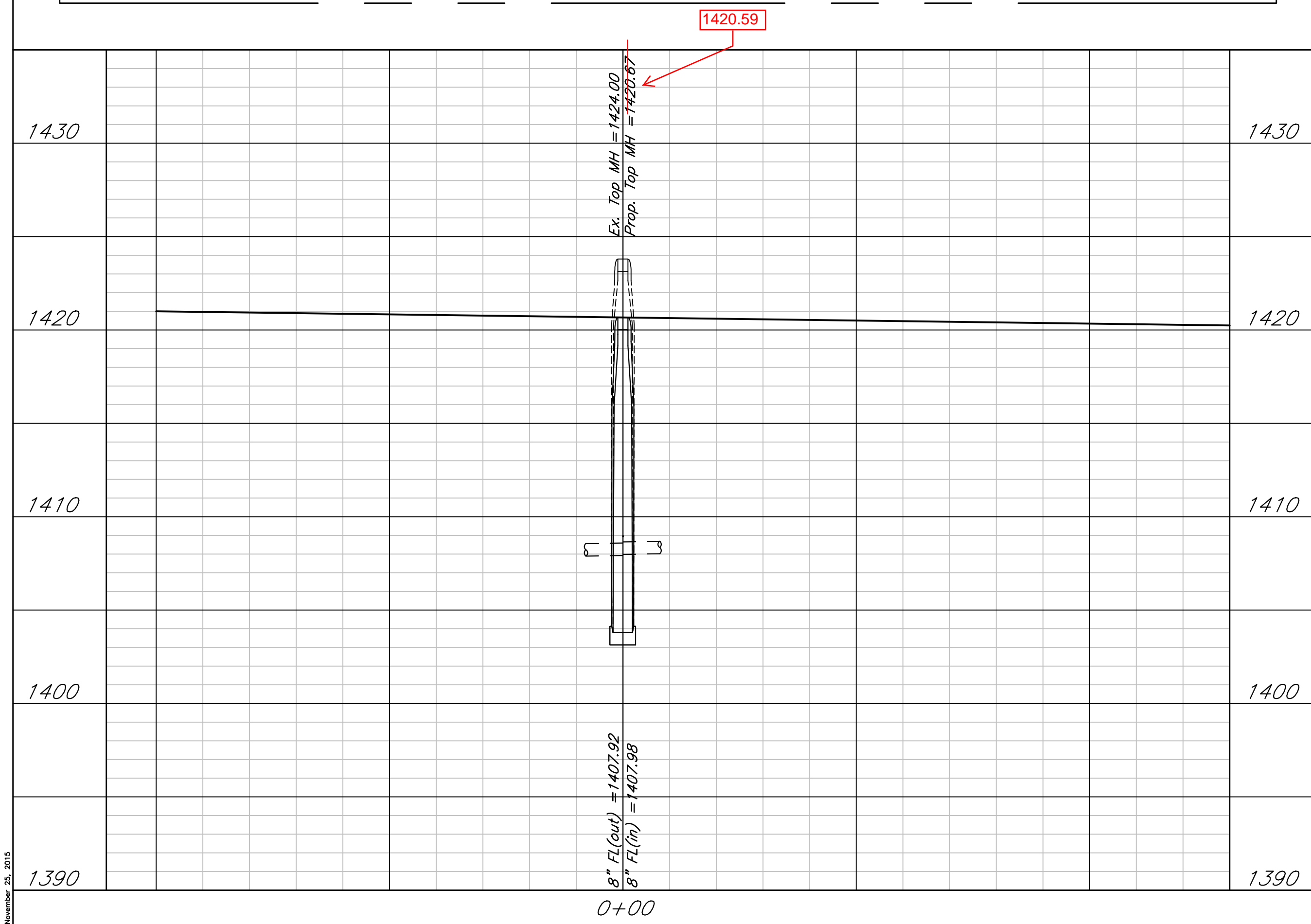


DOG HOUSE MANHOLE
(OVER EXISTING PIPE)
Not to Scale

 = COW TYPE 1 BEDDING  = UNDISTURBED SOIL

PRECAST MANHOLE GENERAL NOTES

- ALL PRECAST CONCRETE MANHOLE SECTIONS SHALL CONFORM TO THE LATEST REVISIONS OF A.S.T.M. D478 AS MODIFIED BY THE SPECIFICATIONS.
- NON-SHRINK GROUT BE NON-METALLIC TYPE.
- APPROVED FLEXIBLE WATERSTOP SHALL BE INSTALLED TO JOIN THE SEWER PIPE TO THE MANHOLE WALL THE WERE PIPE SHALL BE SUPPORTED WITH CRUSHED ROCK A MINIMUM OF 3FT FROM THE MANHOLE WALL AND THE FIRST JOINT FOR V.C.P. SUCH THAT THE JOINT REMAINS FLEXIBLE.
- ALL INSIDE SURFACES OF THE CONCRETE MANHOLE WHICH WOULD BE EXPOSED TO SEWER GAS SHALL BE COATED PER SECTION 804.4 OF STANDARD SPECIFICATIONS.
- EXTERIOR MANHOLE WALLS SHALL BE COATED PER SECTION 804.4 OF STANDARD SPECIFICATIONS.
- JOINT SEALING COMPOUND SHALL BE PER 804.4 OF STANDARD SPECIFICATIONS.
- ALL MANHOLE SECTION JOINTS THAT WILL BE IN THE GROUNDWATER OR GREATER THAN 12' DEEP SHALL BE WRAPPED WITH AN EXTERNAL JOINT SEAL PER SECTION 804.4 OF STANDARD SPECIFICATIONS, AS INDICATED BY THE PLANS.
- PRECAST MANHOLES SHALL BE SET AT LEAST 4 INCHES INTO THE MANHOLE BASE FOR DOG HOUSE MANHOLES.
- TOP OF MANHOLE FLOOR SLAB SHALL BE AT LEAST 3 INCHES BELOW THE FLOW LINE OF THE OUTLET PIPE TO INSURE SUFFICIENT MINIMUM THICKNESS OF SHAPED INVERT.
- LIFTING HOLES SHALL BE FILLED WITH NON-SHRINK GROUT AND THE INTERIOR SURFACE COATED AS SPECIFIED.
- MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD. CONCRETE USED IN MANHOLE BASES SHALL CONFORM TO THE REQUIREMENTS OF CONCRETE FOR CONCRETE PAVEMENT CONSTRUCTION AS SPECIFIED IN THE CITY STANDARD PAVING SPECIFICATIONS USING CITY CONCRETE PAVEMENT MIX WITHOUT AIR ENTRAINING ADMIXTURE. MORTAR SHALL BE PLACE AROUND THE MANHOLE RING AS SHOWN ON THE DRAWINGS WHEN MANHOLES ARE CONSTRUCTED IN UNPAVED AREAS. COMPLETED MANHOLE SHALL BE WITHOUT LEAKS AND WATER TIGHT.
- REINFORCING STEEL SHALL BE INSTALLED IN THE MANHOLE BASES AND SHALL CONSIST OF NO.4 BARS PLACE ON 6" CENTERS IN BOTH DIRECTIONS. THE MANHOLE BASE REINFORCEMENT SHALL BE PLACE AT LEAST 3" ABOVE THE BOTTOM OF THE MANHOLE BASE. ALL COSTS FOR FURNISHING AND INSTALLING REINFORCING STEEL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE MANHOLE.
- WALL THICKNESS SHALL BE 1" GREATER THAN MANHOLE DIAMETER IN FEET.
- OPENINGS SHALL BE CORE DRILLED INTO THE MANHOLE WALL WHEN OUTSIDE DROPS ARE CONSTRUCTED ON EXISTING MANHOLES. SUCH OPENINGS DRILLED INTO EXISTING MANHOLES SHALL BE AS SMALL AS PRACTICAL TO FACILITATE INSTALLING AND GROUTING THE NEW PIPE IN PLACE. WATERSTOP GASKETS SHALL BE USED WITH P.V.C. PIPE. THE NEW PIPE SHALL BE GROUTED INTO THE OPENING USING AN APPROVED NON-SHRINK GROUT FOR THE FULL MANHOLE WALL THICKNESS. THE EXTERIOR OF THE COMPLETED CONNECTION SHALL BE SEALED WITH AN APPROVED BITUMINOUS COATING SUCH THAT THE CONNECTION WILL BE WATER TIGHT. FLOOR OF MANHOLE SHALL BE MODIFIED TO FORM NEW FLOW CHANNEL FOR THE NEW CONNECTION AS INDICATED BY THE DRAWING. THIS WORK, INCLUDING MODIFICATION OF MANHOLE FLOOR, SHALL BE PAID FOR AT THE UNIT PRICE BID FOR OUTSIDE DROP STACK CONSTRUCTED ON EXISTING MANHOLE.
- THE FLOORS OF ALL MANHOLES SHALL BE SHAPED WITH FLOW CHANNELS SUCH THAT THE MANHOLES WILL BE SELF-CLEANING AND FREE OF AREAS WHERE SOLIDS COULD BE DEPOSITED AS SEWAGE FLOWS THROUGH THE MANHOLE FROM ALL INLET PIPES TO THE OUTLET PIPE. FLOW CHANNELS SHALL BE FORMED TO MATCH THE BOTTOM HALVES OF THE INFLOWING PIPES AND THE OUTFLOWING PIPE AS SHOWN BY THE DRAWINGS. MANHOLE FLOORS SHALL HAVE SLOPES OF 3 INCHES PER FOOT IN THE AREAS OUTSIDE OF THE FLOW CHANNELS SLOPED TOWARD THE FLOW CHANNELS. PIPES LAID THROUGH MANHOLES SHALL HAVE THE TOP HALF REMOVED TO NEAT LINES FOR THE FULL INSIDE DIAMETER OF THE MANHOLE. MANHOLE FLOORS SHALL THEN BE SHAPED AROUND THE BOTTOM HALF OF THE PIPE WHICH FORMS THE FLOW CHANNEL.
- MANHOLE COVER CASTINGS AND MANHOLE FRAME CASTINGS SHALL CONFORM TO THE REQUIREMENTS AS INDICATED IN THE STANDARD SPECIFICATIONS AND AS SHOWN IN THE STANDARD DETAIL DRAWING.
- THE VERTICAL DROP IN STANDARD MANHOLES SHALL NOT EXCEED 2" REGARDLESS OF PIPE SIZE. THE CROWNS OF INFLOWING PIPES SHALL NEVER BE SET LOWER THAN THE CROWN OF THE OUTFLOWING PIPE.
- STANDARD MANHOLES SHALL BE BID AS STANDARD MANHOLES FOR THE TYPE AND DIAMETER INDICATED. OUTSIDE DROP MANHOLES SHALL BE BID AS STANDARD OUTSIDE DROP MANHOLES FOR THE TYPE AND DIAMETER INDICATED. ALL MANHOLE DIAMETERS WILL BE 4' UNLESS INDICATED OTHERWISE.
- PRECAST CONCRETE SPACERS OR BRICK MASONRY COLLAR SHALL BE INSTALLED BETWEEN THE CAST IRON FRAME AND THE CONCENTRIC CONE. THE COLLAR WILL HAVE 8" WALLS AND A VERTICAL HEIGHT OF 6" MINIMUM AND 18" MAXIMUM. A 1" COAT OF MORTAR WILL BE PLASTERED ON THE OUTSIDE OF THE COLLAR. THE USE OF PRE-CAST CONCRETE SPACERS FOR MANHOLE TOP ADJUSTMENT IS ALSO ALLOWED.
- THE FULL DIAMETER OF THE MANHOLE SHALL EXTEND THE ENTIRE DEPTH OF THE MANHOLE TO THE CONE SECTION. NO REDUCTION IN MANHOLE DIAMETER WILL BE ALLOWED.
- REFER TO PLANS FOR SIZE OF OUTSIDE DROP RISER, SADDLES AND CROSS.



AS BUILTS

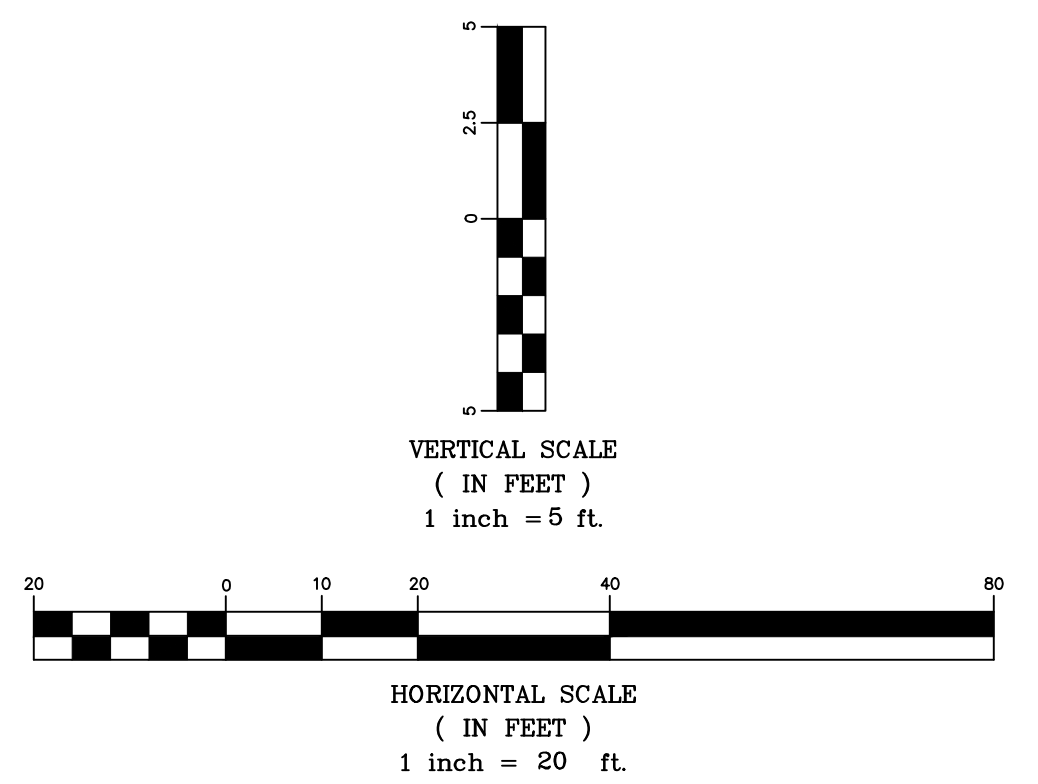
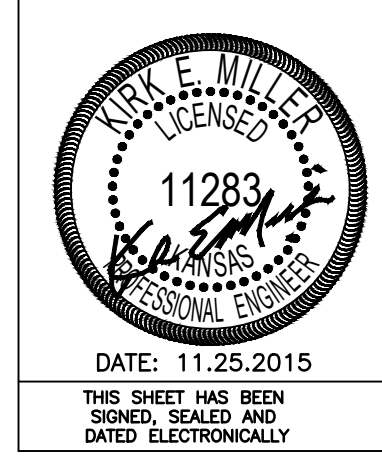
Contractor: **McCullough Excavation**

Project Inspector: **Matt Perez**

3/28/2016

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117 E. Lewis, Wichita, KS 67202 (316)264-0242



FIGEAC
Plan and Profile
Wichita, Kansas

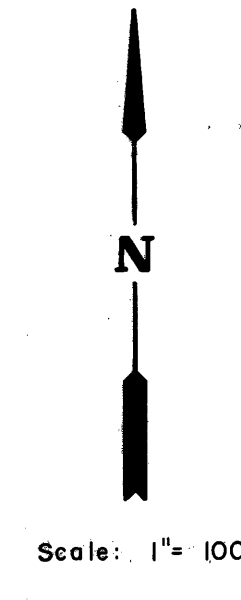
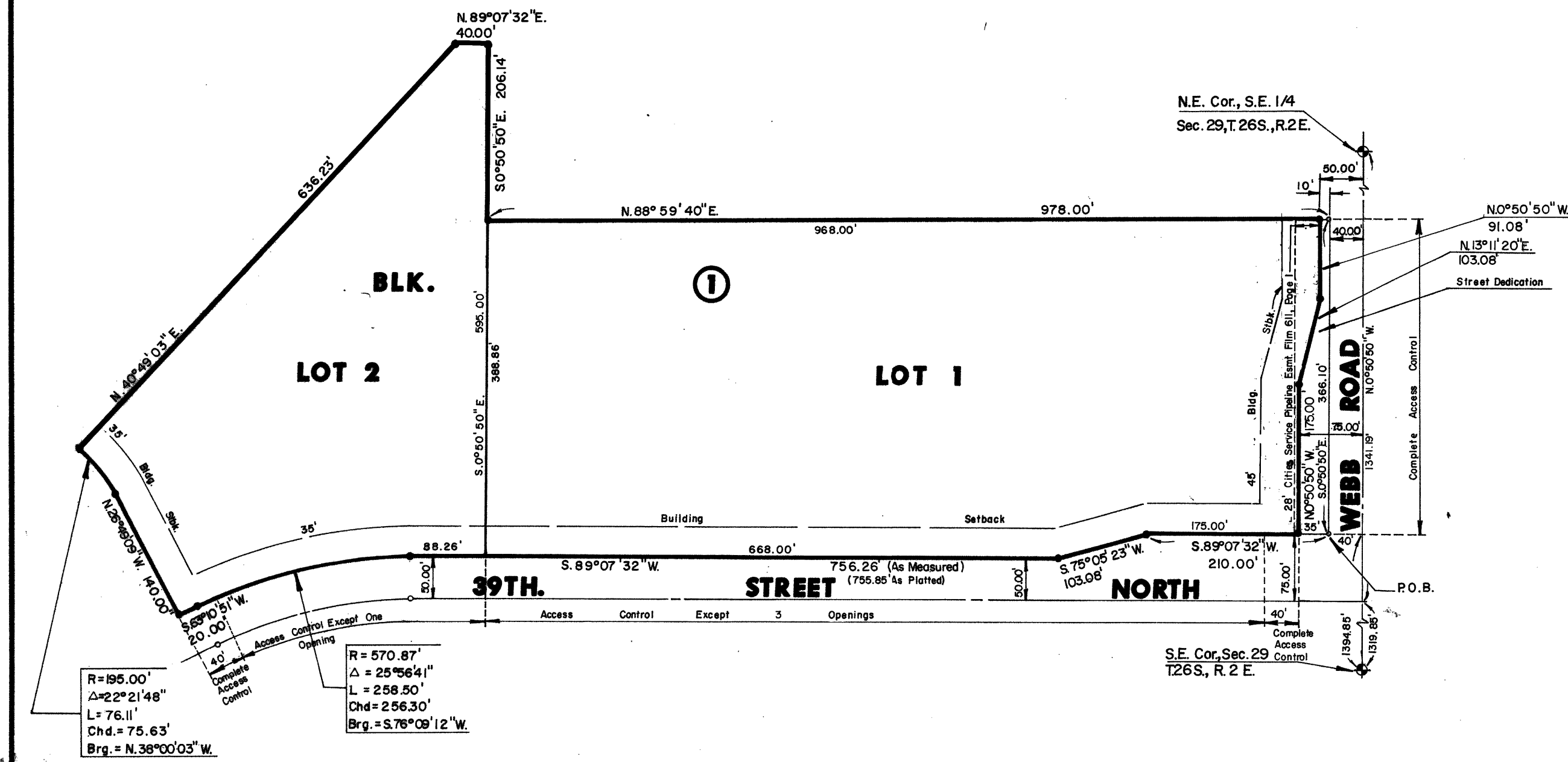
PROJECT NUMBER
2254 PPS (607861)

KEMILLER ENGINEERING PA

117 E. Lewis, Wichita, KS 67202 (316)264-0242

KEM NO. 15111	FILE	DATE 11/2015	SHEET 2.0
DESIGN KM	DRAWN AHS	REVISED	

FINAL PLAT OF TOBEN THIRD ADDITION AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS



LEGEND
• = Iron

I, Kenneth H. Bengtson, a Civil Engineer in Kansas, do hereby certify that I have been in responsible charge of surveying and platting of "TOBEN THIRD ADDITION", an addition to Wichita, Sedgwick County, Kansas into lots, a block and a street, the same being accurately set forth in the accompanying plat and described as follows:

A tract of land lying within the southeast quarter of Section 29, Township 26 south, Range 2 east of the 6th Principle Meridian, Sedgwick County, Kansas, described as beginning at the northeast corner of Toben Second Addition, an addition to Wichita, Sedgwick County, Kansas, said point being 1394.85 feet northerly bearing W 00° 50' 50" W and 40.00 feet westerly bearing S 89° 07' 32" W from the southeast corner of said southeast quarter; thence westerly along the north line of 39th Street North as platted in said Toben Second Addition bearing S 89° 07' 32" W, 210.00 feet; thence S 75° 05' 23" W, 103.08 feet; thence S 89° 07' 32" W, 756.26 feet to the beginning of a curve to the left; thence 258.50 feet along said curve, having a radius of 570.87 feet, a central angle of 25° 56' 41", a long chord of 256.30 feet bearing S 78° 09' 12" W; thence S 63° 10' 51" W, 20.00 feet; thence N 26° 49' 09" W, 140.00 feet to the beginning of a curve to the left; thence 76.11 feet along said curve having a radius of 195.00 feet, a central angle of 22° 21' 48", a long chord of 75.63 feet bearing N 36° 00' 05" W; thence N 40° 49' 03" E, 636.23 feet thence N 89° 07' 32" E, 40.00 feet to a point on the west line of Toben Addition, an addition to Wichita, Sedgwick County, Kansas, said point being 206.14 feet north of the southwest corner of said addition; thence S 00° 50' 50" E, 206.14 feet along said west line to the southwest corner of said Toben Addition; thence N 88° 59' 40" E, 978.00 feet along the south line of said Toben Addition, to a point 40.00 feet west of the east line of said southeast quarter; thence S 09° 50' 50" E, 366.10 feet parallel to and 40.00 feet west of the east line of said quarter, to the point of beginning, containing 12.4 acres, more or less.

I hereby certify that the details of this plat are correct to the best of my knowledge and belief this 12 day of February, 1985.

Kenneth H. Bengtson
Kenneth H. Bengtson
Mid-Kansas Engineering Consultants, P.A.
3500 N. Rock Road, Bldg. 800
Wichita, KS 67226



Know all men by these presents that we the undersigned property owners of the land as above set forth in the Civil Engineers Certificate, have caused the same to be surveyed and platted into lots, a block, and a street, the same to be known as "TOBEN THIRD ADDITION" an addition to Wichita, Sedgwick County, Kansas. All abutters rights of access over and across the north line of 39th Street and the west line of Webb Road are hereby granted to the City of Wichita, provided however, that Lot 1, Block 1 shall have access to 39th Street North at three locations and Lot 2, Block 1 shall have access to 39th Street North at one location to be determined by the Engineer of the City of Wichita.

Woodlawn Development Company, a Partnership
Mortgage Holders

Viola M. Barber
Viola M. Barber, Co-Executor
Lester L. Toben
Lester L. Toben, Co-Executor
Lawrence E. Toben
Lawrence E. Toben, Co-Executor

This plat approved and all dedications shown hereon, if any, accepted by the City Commission of the City of Wichita, Kansas, this 5th day of MARCH, 1985.
Robert S. Minton, Mayor
Donald C. Gistek, City Clerk

STATE OF KANSAS
COUNTY OF SEDGWICK
Be it remembered that on this 14th day of February, 1985, before me, a Notary Public in and for said State and County, came Viola M. Barber, Lester L. Toben and Lawrence E. Toben, Co-Executors, to me personally known to be the same persons who executed the foregoing instrument of writing and duly acknowledged the execution of the same. In testimony whereof I have hereunto set my hand and affixed by notarial seal this day and year above written.

Joseph A. Kaufman, Notary Public
My Appointment Expires: June 8, 1988

Entered on transfer record this 8th day of March, 1985.
John W. Wright, County Clerk
RESTRICTION COMPLIANT F. 714, Ch. 1539

This plat of "TOBEN THIRD ADDITION" has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.

Dated this 7th day of February, 1985.

Wichita-Sedgwick County Metropolitan Area Planning Commission
James C. Wilson, Chairman
Robert A. Lakin, Secretary

STATE OF KANSAS
COUNTY OF SEDGWICK
This is to certify that this instrument was filed for record in the Register of Deeds Office at 3:00 PM on 24 day of March, 1985.

Pat Kettler, Register of Deeds
Ed Resa, Deputy

STATE OF KANSAS
COUNTY OF SEDGWICK
SS:

Be it remembered that on this 12th day of February, 1985, before me, a Notary Public in and for said State and County, came Donald J. Abiah, attorney in fact for Woodlawn Development Company, on behalf of Woodlawn Development Company, to me personally known to be the same person who executed the foregoing instrument of writing and duly acknowledged the execution of the same. In testimony whereof I have hereunto set my hand and affixed by notarial seal the day and year above written.

Alma D. Gutierrez, Notary Public
ALMA D. GUTIERREZ
My Appointment Expires: My Appointment Expires May 20, 1985

20.00
M-1 8-30

M-1 8-30

Inches

This digital plat record accurately reproduces in all details the original plat filed with the Sedgwick County Register of Deeds. Digitized under the supervision of Register of Deeds Bill Meek by Sedgwick County Geographic Information Systems.

Bill Meek, Register of Deeds
Digitized version of original signature.