


GENERAL NOTES:

- The Contractor shall comply with all applicable safety regulations. All construction shall be completed following current City Standard Specifications and Special Provisions.
- Contractor will be required to provide notice to utility companies a minimum of seventy-two (72) hours prior to any excavation, as follows:
Kansas One-Call 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 & Sewer 1-316-219-8921
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
Western 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 location, 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 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 will require additional archaeological 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 City 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 Engineering Division shall field locate 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 final grades by the contractor.
- The Contractor shall notify the inspecting 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, Mike Armour 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 elevations shown are NAVD 88.
- All areas disturbed during construction that will not be under proposed pavement shall be restored to match existing conditions.
- Any sidewalk, drive approach, 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.
- City maintenance of storm sewer ends at the last structure in the easement or right-of-way.
- A portion of excess excavated material shall be mounded around manholes which extend more than one (1) foot above the existing ground. Such mound shall be constructed with new development a six (6) foot diameter flat top with 4 to 1 side slopes down to the original ground. The elevation of the flat top of the mound shall be 0.4 foot below the top to the manhole.
- Geotechnical report available upon request.
- Contractor shall limit the extent of trench openings overnight and weekends to less than 50 feet.
- The inspecting firm shall submit to the City Stormwater Maintenance Division a digital copy of the CCTV inspection of the conduits and structures following construction. The digital file formation shall be compatible with the City input template. A copy of the template is available upon request at 316-268-4090.
- The Contractor shall protect from damage and support existing utilities through construction as approved by the utility owner and the Engineer at the contractors expense.

AS BUILTS

Contractor: McCullough Excavation
Inspector: Matt Perez
Date: 8-7-2020



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

Revised plans after inlets where made and the top elevations changed but flow lines stayed the same.

BENCHMARKS

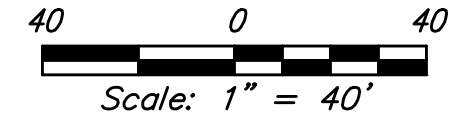
Benchmark - 1
"X" Chisled on Top of Curb, west of road across from Parcel 7B
Elev.=1425.75 NAVD 88

Benchmark - 2
Brass Disc on Top of Curb, West side of Jabara Road, 75.26 feet NW of the SW corner of Parcel 7D
Elev.=1424.59 NAVD 88

SITE BENCHMARK #1
"X" Chisled on Top of Curb
Elevation=1425.75 (NAVD 88)

STORM SEWER IMPROVEMENTS to serve LOT 1, BLOCK A, COLONEL JAMES JABARA AIRPORT ADDITION 3622 & 3628 N. JABARA RD. CITY OF WICHITA, KANSAS

Gary Janzen, P.E. City Engineer
Project Number
2020 - 000639PPD



SHEET INDEX:

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SWS Line 1 Plan Profile	2
SWS Line 2 Plan Profile	3
SWS Line 3 Plan Profile & ERU Plan	4
Ref. Erosion Control Plan	5
Inlet Details	6
Storm Sewer Manhole Details	7-8
Ref. Grading Plan	9-10
Copy of Plat	11

SW501-SW504 Details are available at City of Wichita web site at :
<http://www.wichita.gov/PWU/StandardsConstruction/Forms/WebPageStandardsConstruction.aspx>

Stormwater Certification:
(New Development) or Redevelopment (Circle One)
Stormwater Permit # SWO-2020-0030
NOI Permit # S-WA20-0116

These construction plans were prepared in accordance with the current Stormwater management Regulations as set forth in the City of Wichita's Stormwater Management Ordinance 16.32 and the policies/guidelines presented in the Wichita/Sedgwick County Stormwater Manual.

Site Area (Acres) = 2.42 acres
Disturbed Area (Acres) = 2.42 acres
Water Quality Treatment: N/A
Downstream Channel Protection: N/A
Detention: POST-CONST. OFFSITE BMP
The BMP used for this development is _____

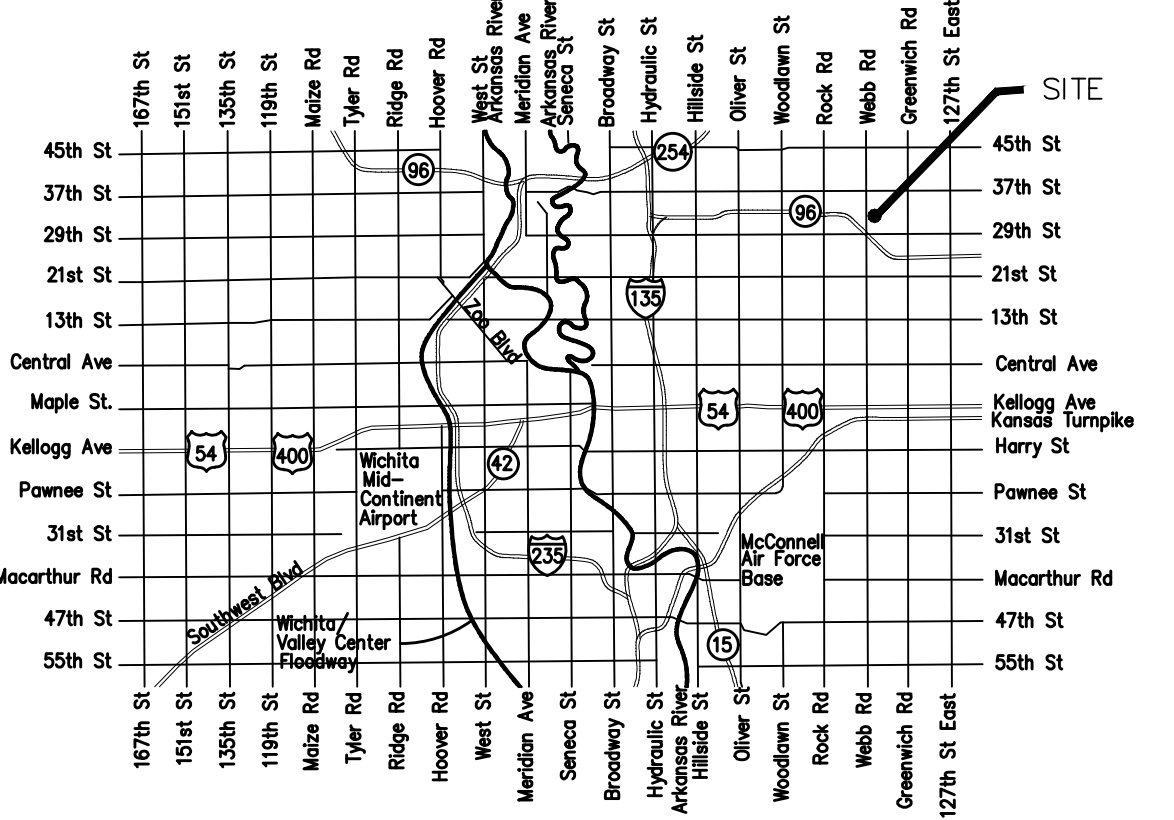
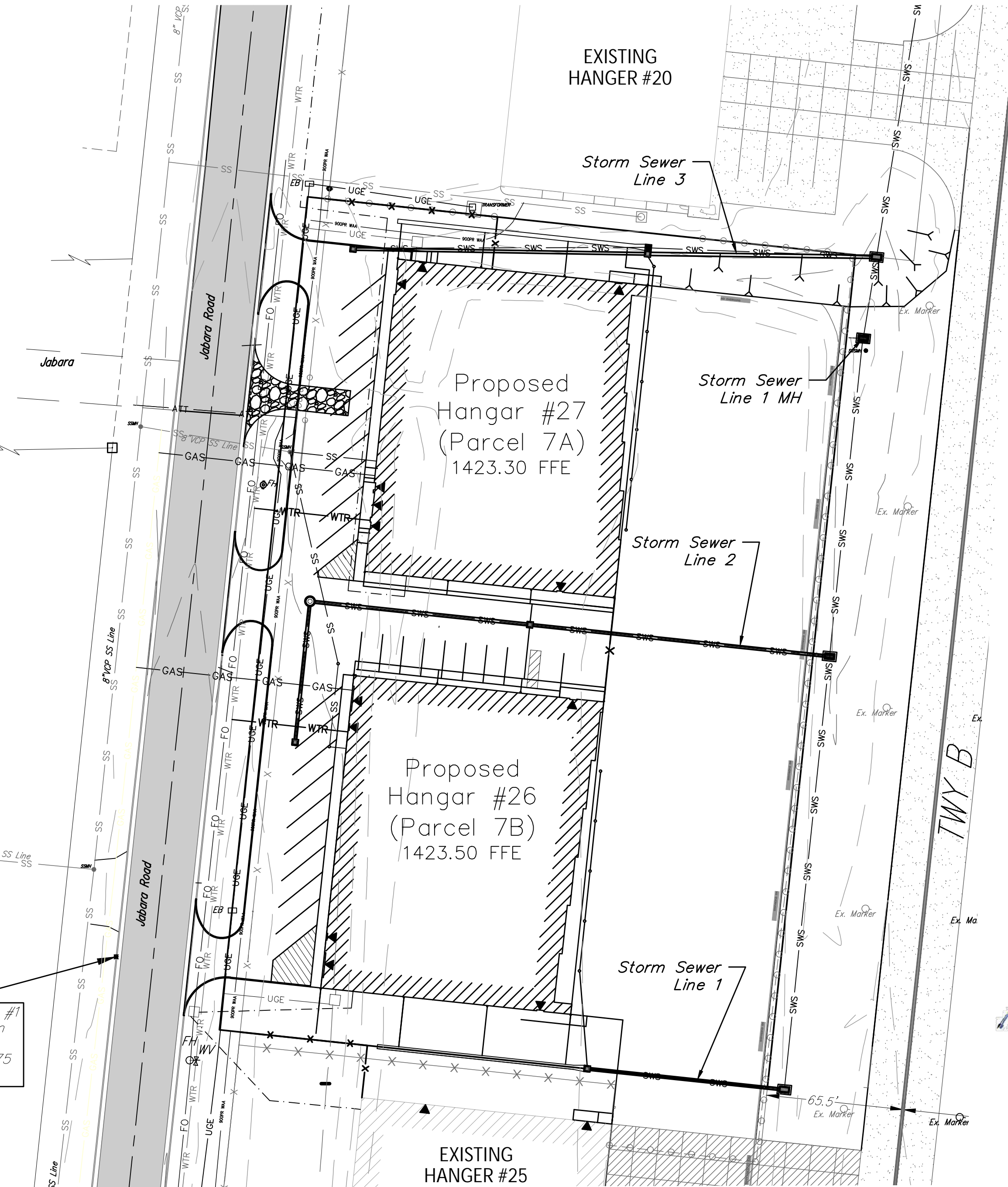
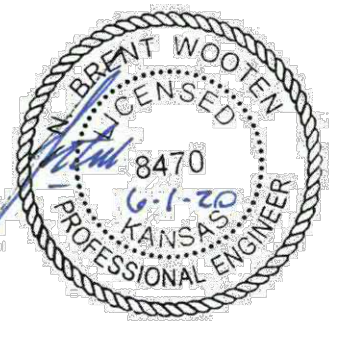
APPROVED AS NOTED
BY WICHITA PUBLIC WORKS ENGINEERING
AND STORMWATER DIVISION

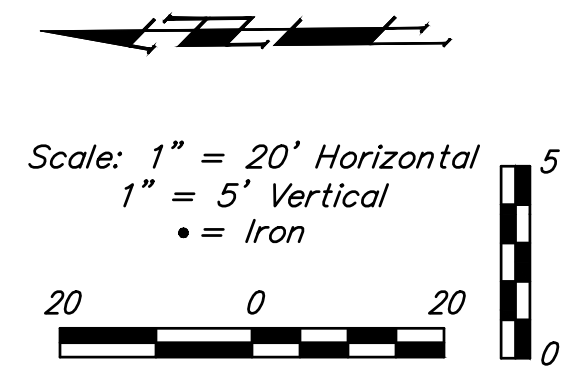
Engineering approved by Seth Gotchey 6/11/2020
Stormwater approved by Joe Hickie 6/11/2020

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 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.



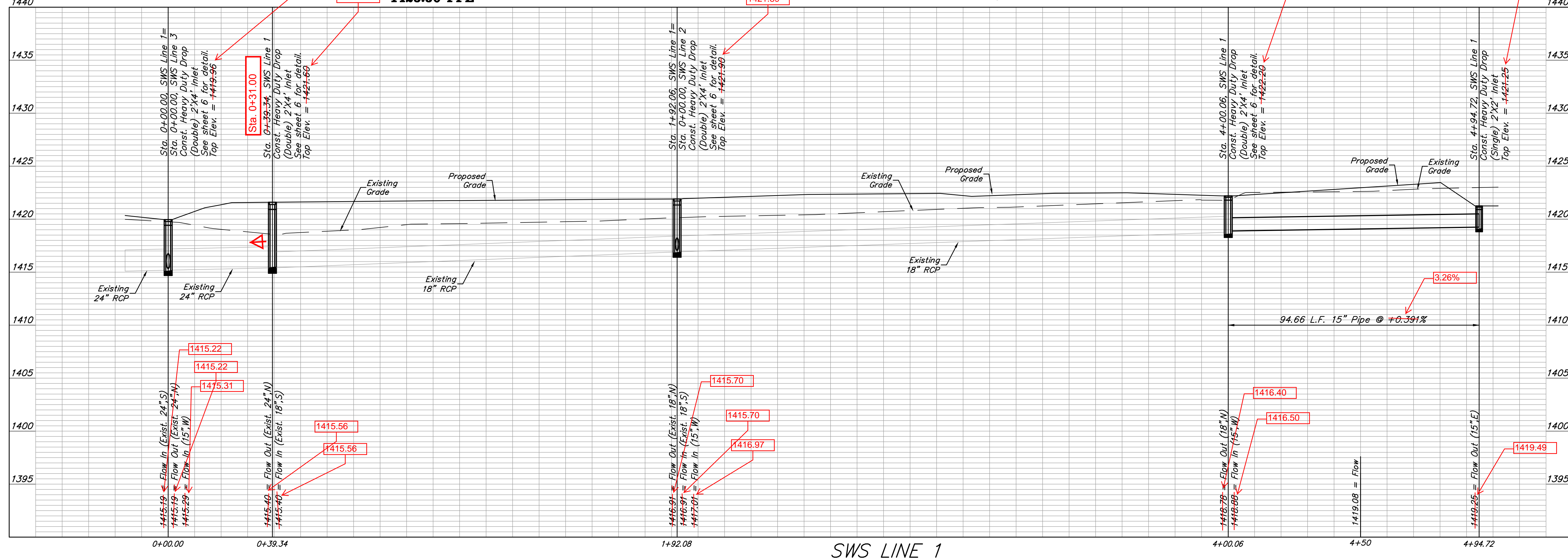
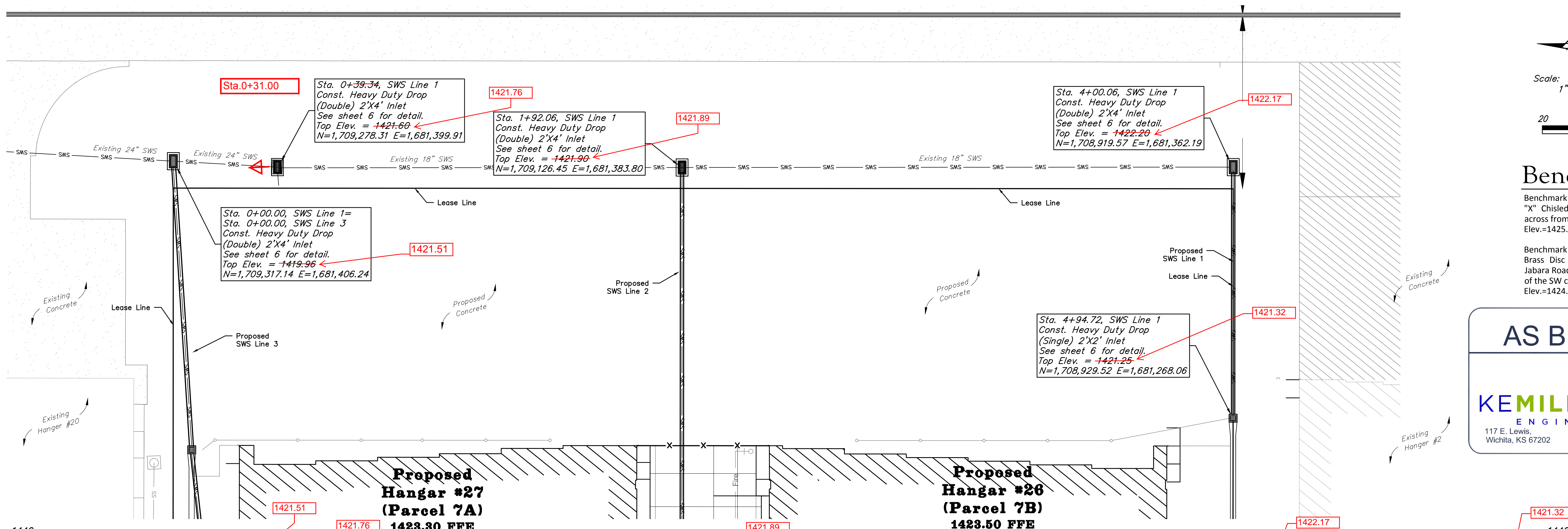


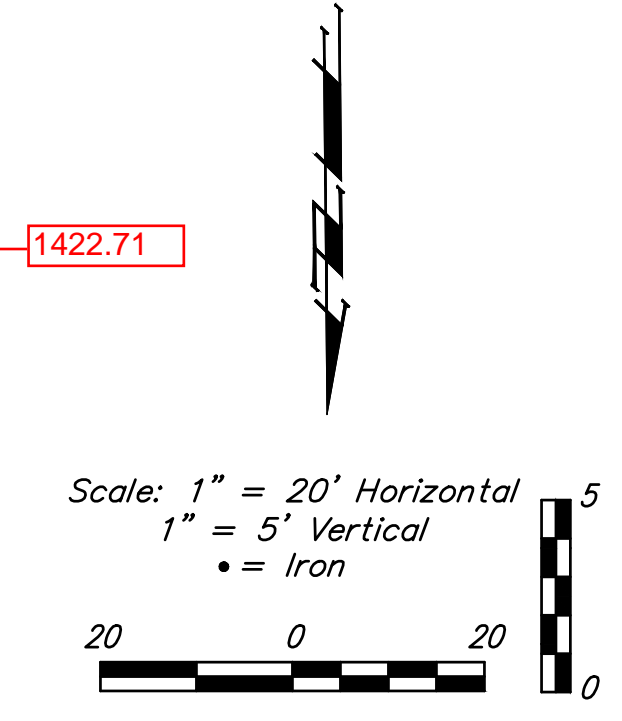
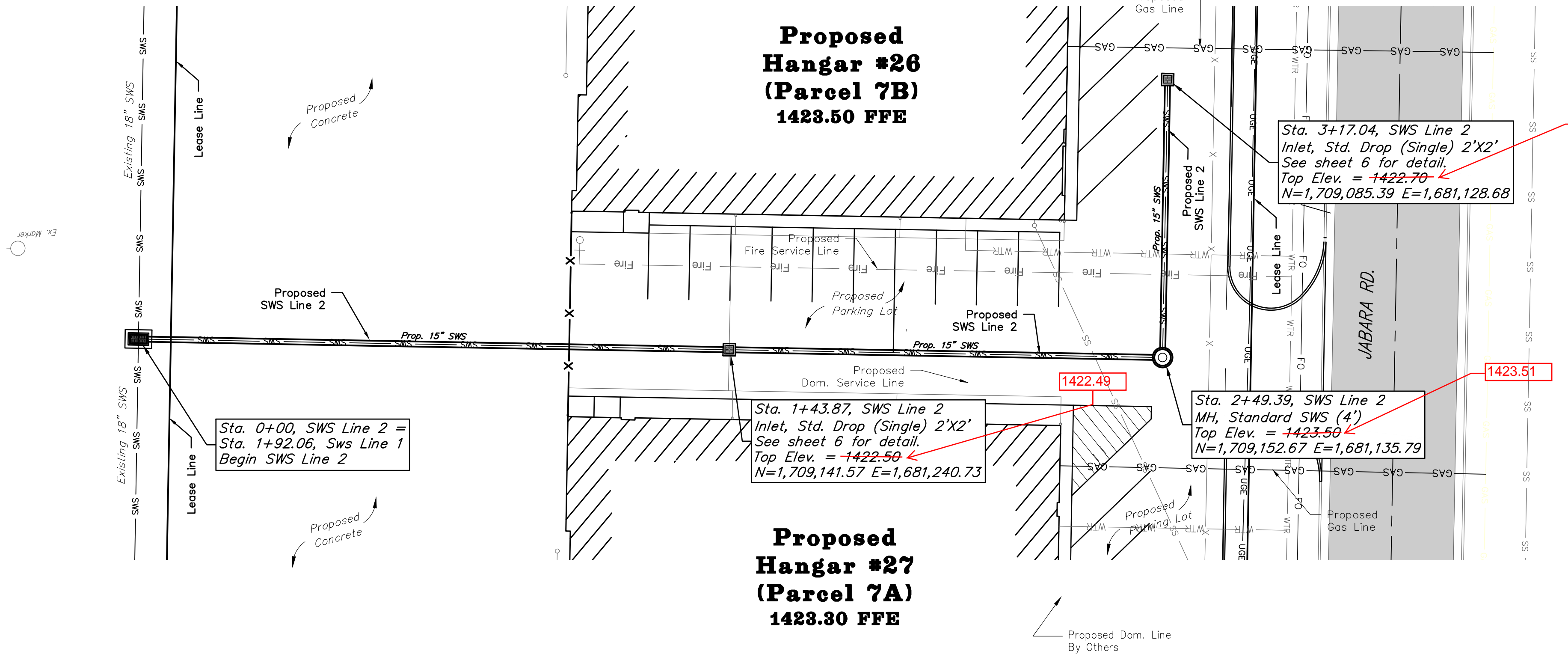
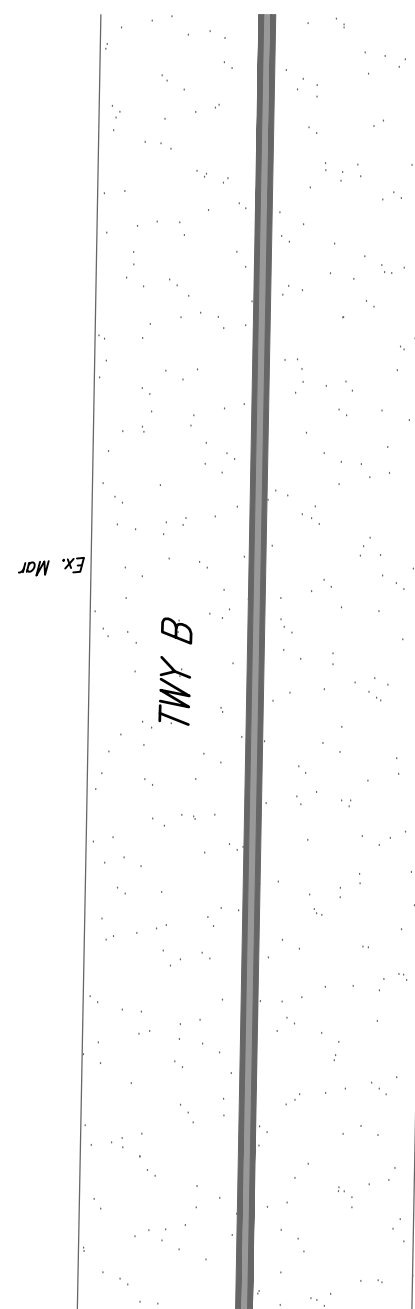
Benchmarks

- Benchmark - 1
"X" Chisled on Top of Curb, west of road across from Parcel 7B
Elev.=1425.75 NAVD 88
- Benchmark - 2
Brass Disc on Top of Curb, West side of Jabara Road, 75.26 feet NW of the SW corner of Parcel 7D
Elev.=1424.59 NAVD 88

AS BUILTS

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

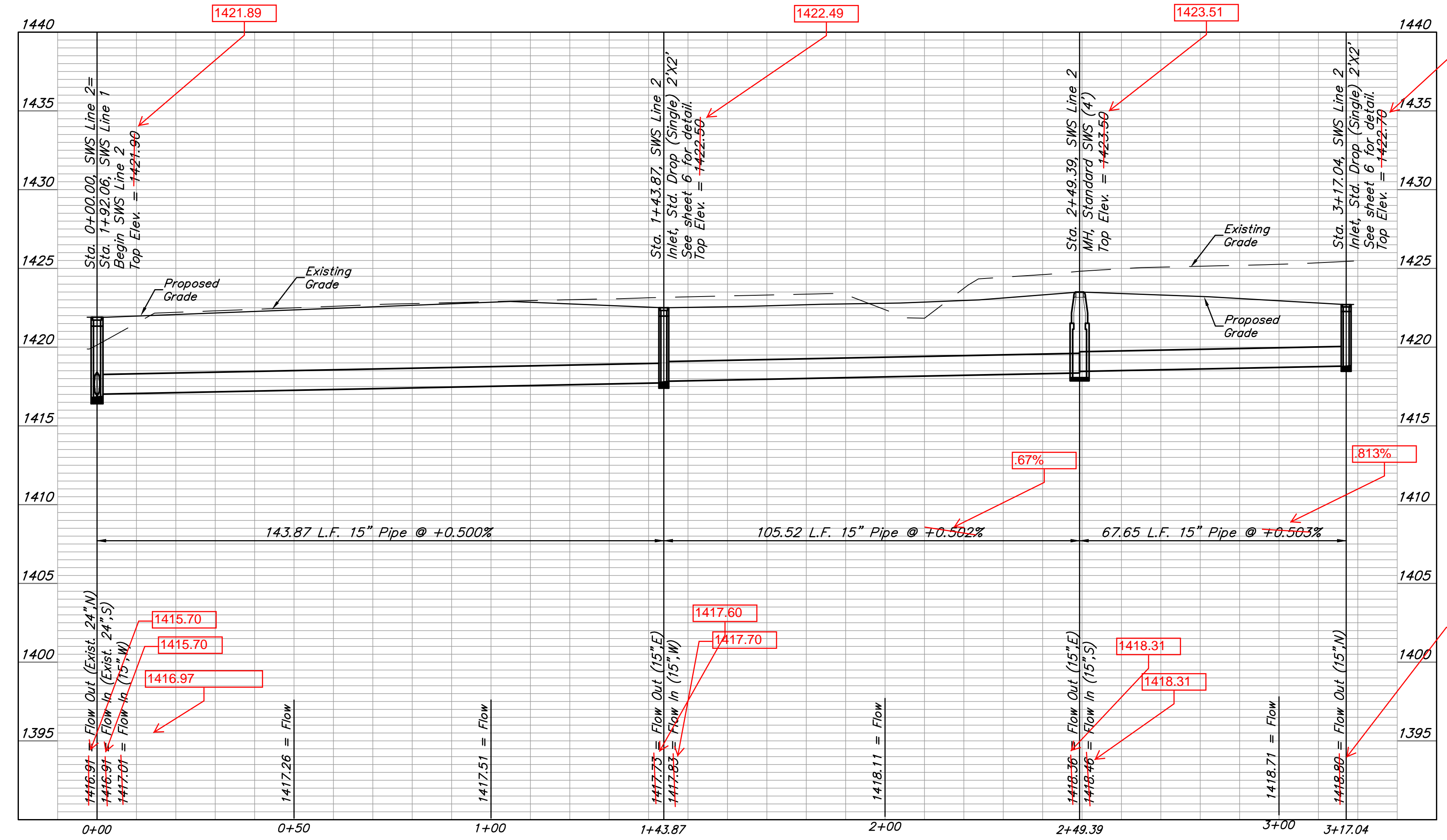




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AS BUILTS

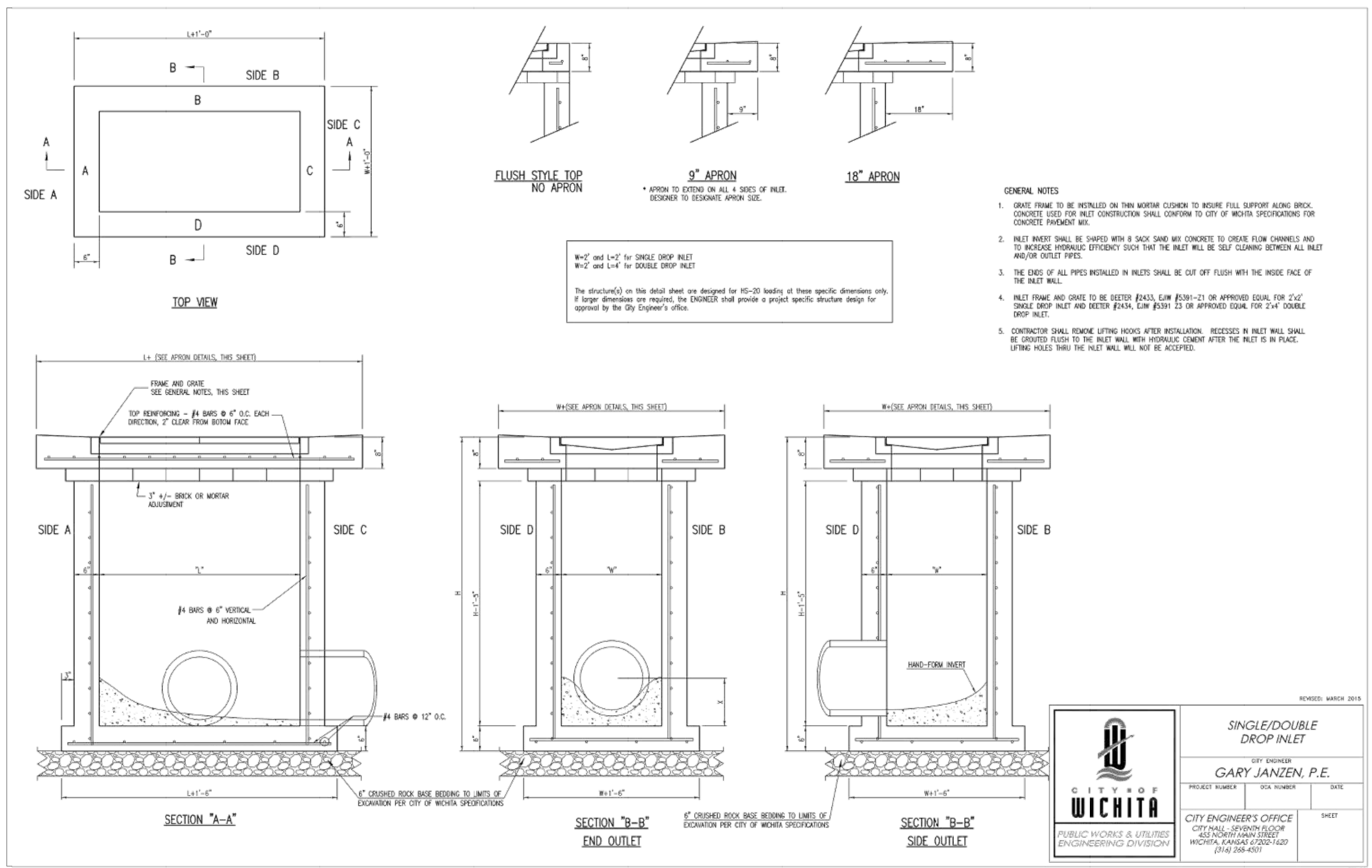
KEMILLER ENGINEERING PA
117 E. Lewis,
Wichita, KS 67202
(316)264-0242

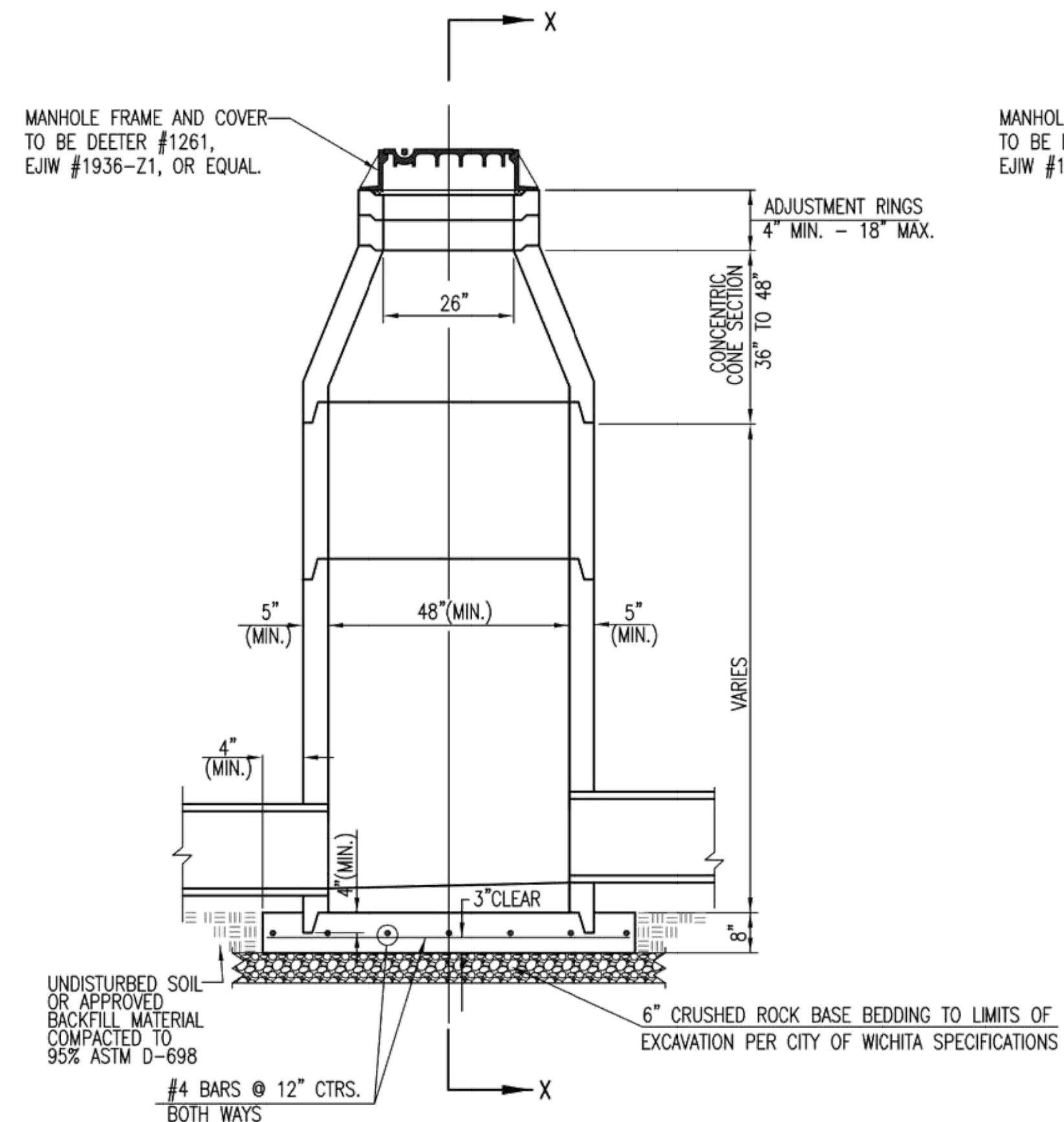
SWS LINE 2

SWS LINE 3

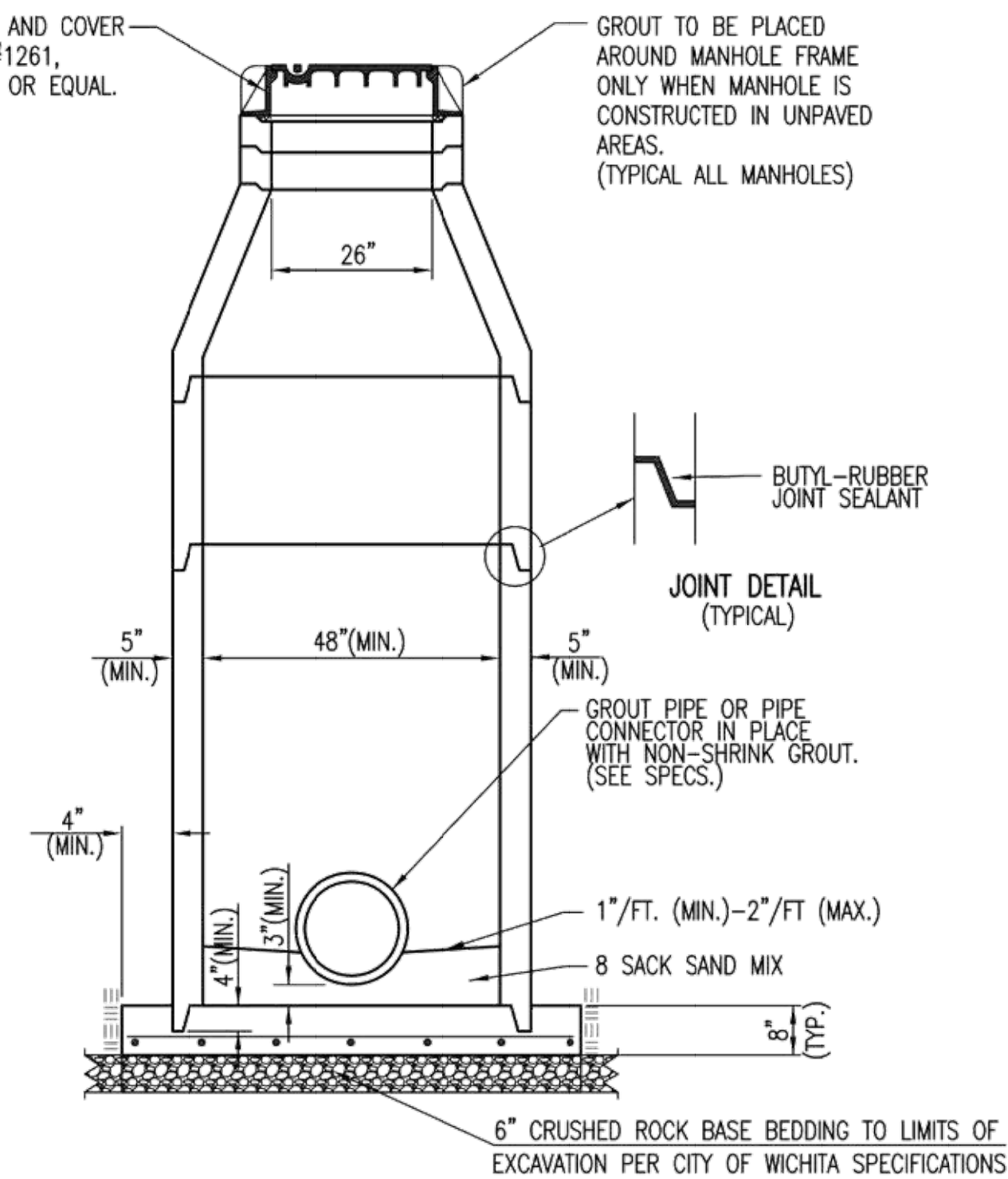
Baughman Company, P.A.
117 E. Lewis, Wichita, KS 67202
P: 316.264.0242 F: 316.264.0149
www.baughman.com

Colonel James Jabara Airport FBO Hangar
SWS LINE 2 & 3
Stormwater Sewer Improvements

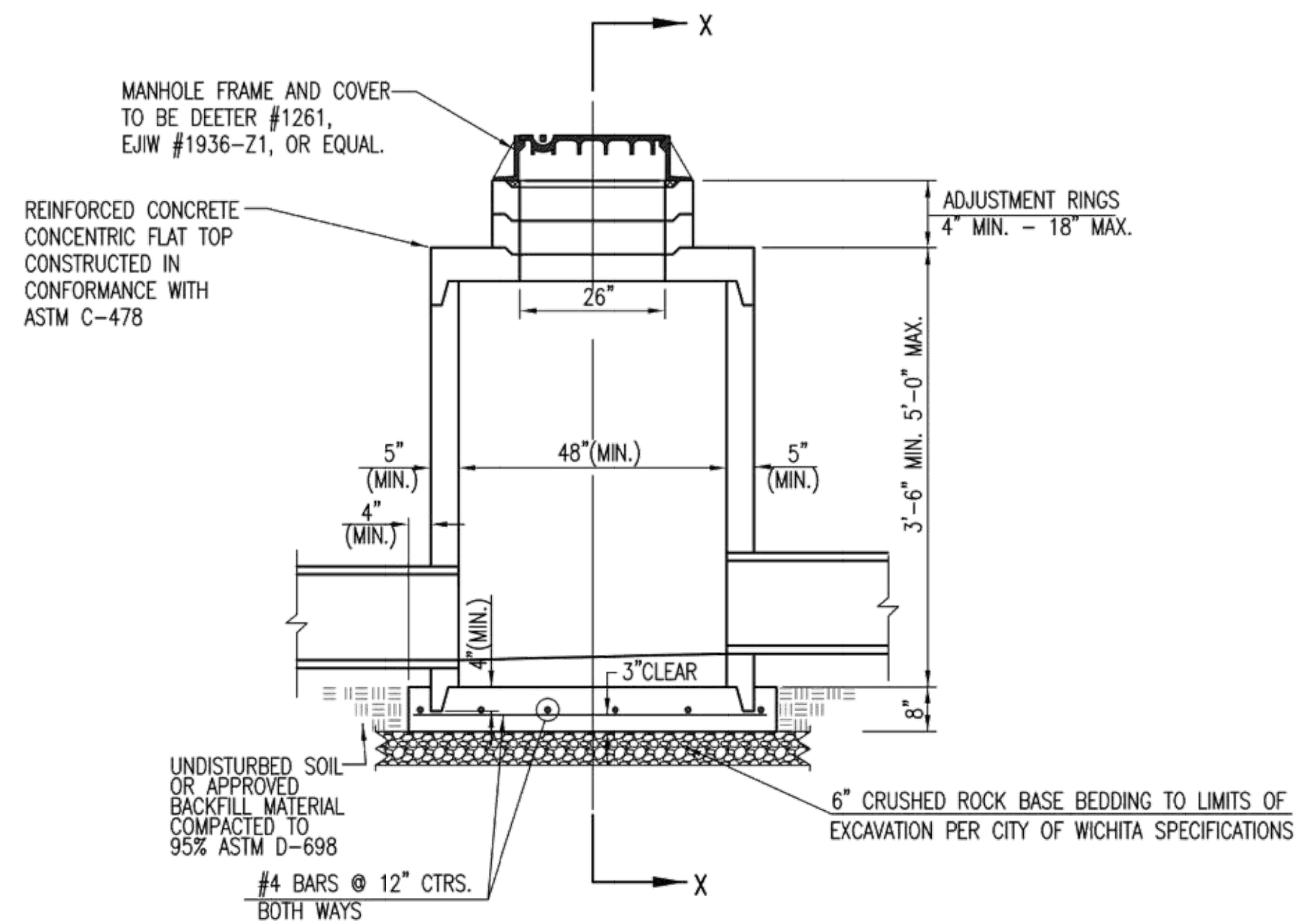




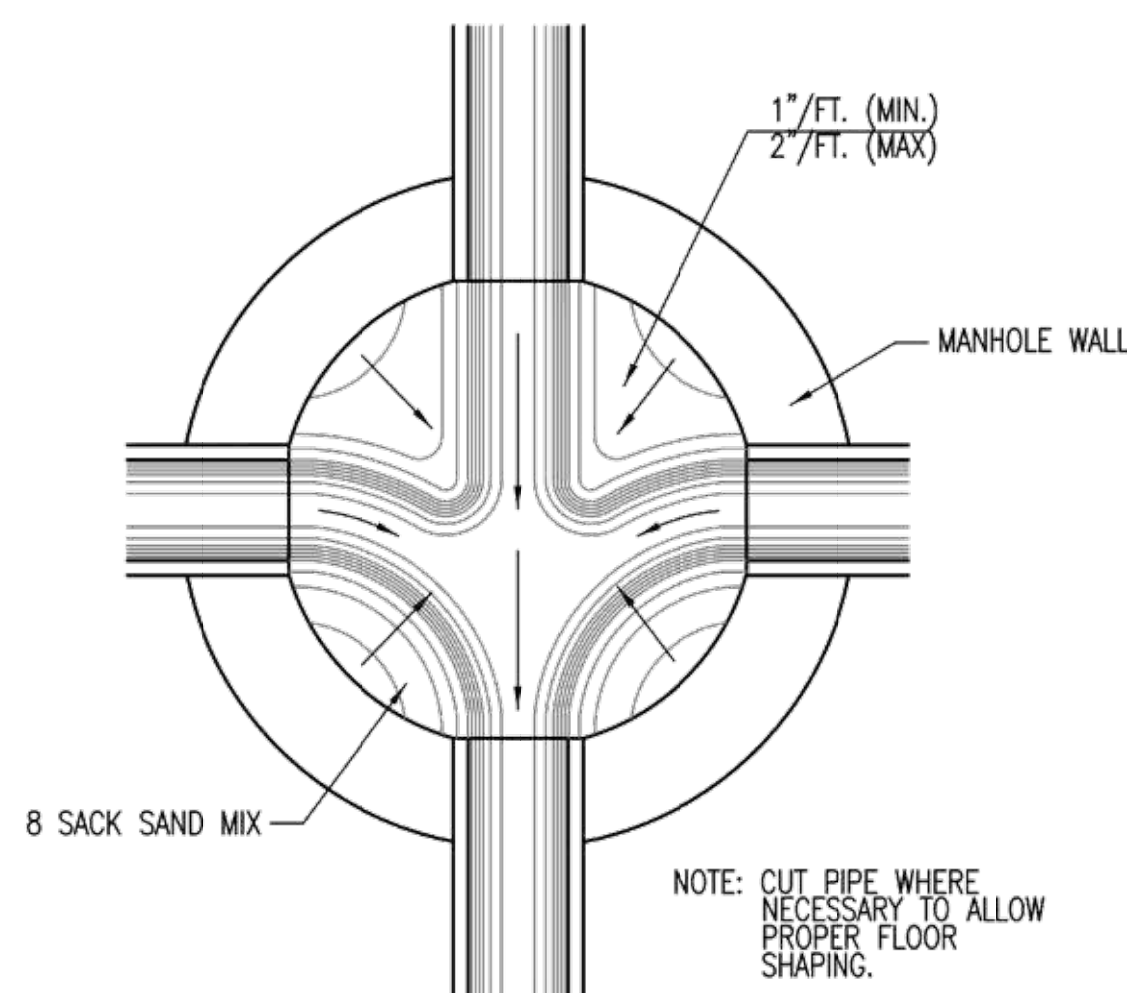
PRECAST STANDARD MANHOLE TYPE "A"



SECTION X-X (TYPICAL)



PRECAST SHALLOW MANHOLE TYPE "B"



TYPICAL MANHOLE FLOOR SHAPING

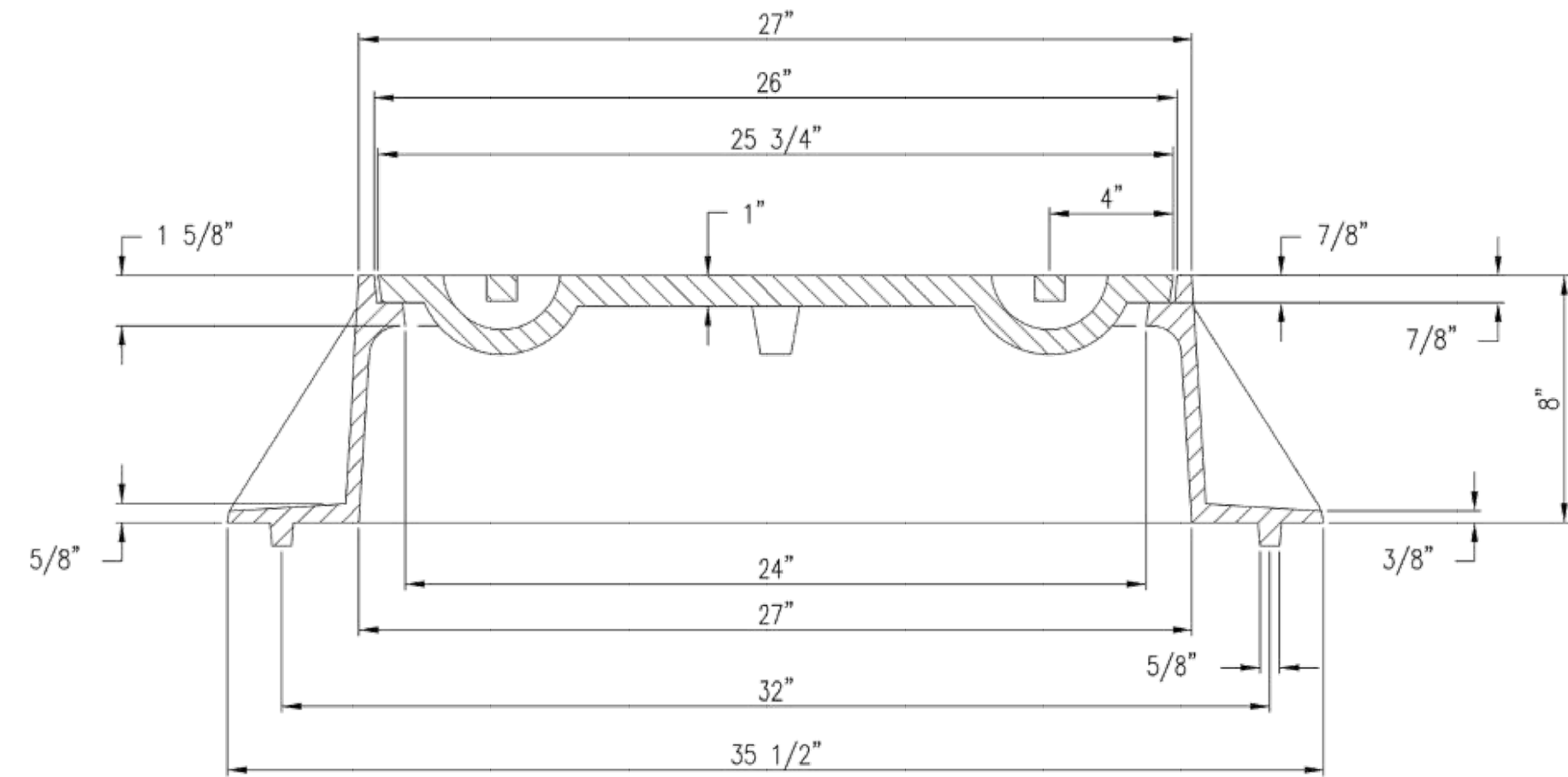
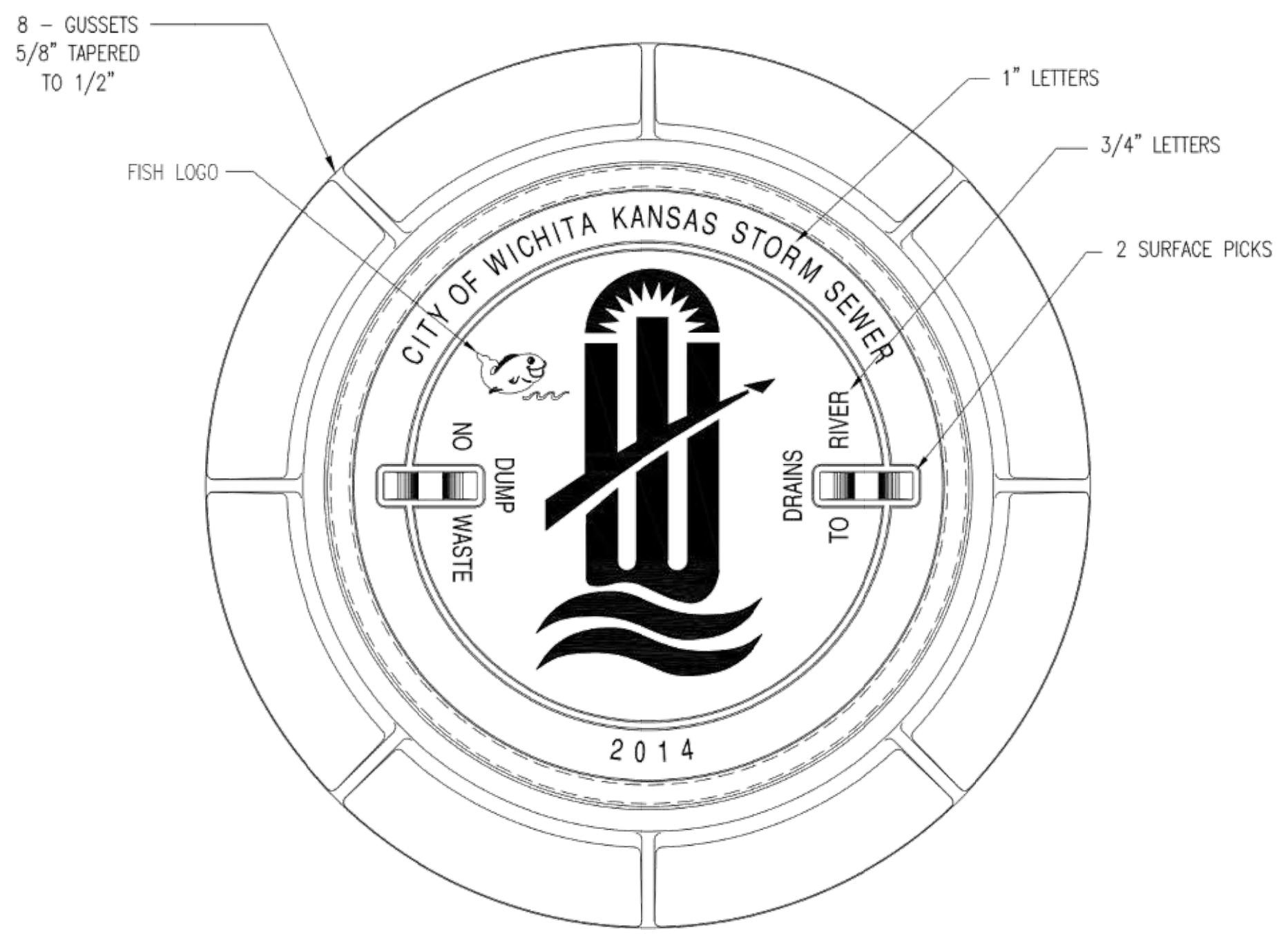
GENERAL NOTES

- IF, IN THE OPINION OF THE ENGINEER, THE MANHOLE SUBGRADE APPEARS UNSTABLE, THE CONTRACTOR WILL HAVE THE OPTION TO COMPACT SUBGRADE AS SHOWN OR INCREASE THE THICKNESS OF THE MANHOLE BASE AS DIRECTED BY THE ENGINEER.
- STEEL REINFORCING WILL BE REQUIRED IN ALL MANHOLE BASES.
- ALL MANHOLE CONSTRUCTION SHALL BE WATER TIGHT.
- 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.
- ALL PRECAST CONCRETE MANHOLE SECTIONS SHALL CONFORM TO THE LATEST REVISION OF ASTM C-478 AS MODIFIED BY THE SPECIFICATIONS.
- CONCRETE USED FOR MANHOLE CONSTRUCTION SHALL CONFORM TO CITY OF WICHITA SPECIFICATIONS FOR CONCRETE PAVEMENT MIX.
- PRECAST MANHOLES SHALL BE SET AT LEAST 4 INCHES INTO MANHOLE BASE.
- MANHOLES WITH PIPE SIZES 24" AND LARGER SHALL HAVE 5 FOOT INSIDE DIAMETER (MIN.)
- MANHOLES WITH PRECAST BASES MAY BE USED AT THE CONTRACTORS OPTION. THESE MANHOLES SHALL HAVE AN 8" MINIMUM BASE THICKNESS AND SHALL BE PLACED ON AN 8" MIN. CRUSHED ROCK BASE. PIPES SHALL BE ENCASED WITH CRUSHED ROCK TO AT LEAST 3 FEET FROM THE MANHOLE WALL.
- CONTRACTOR SHALL REMOVE LIFTING HOOKS AFTER INSTALLATION. RECESSES IN MANHOLE WALL SHALL BE GROUTED FLUSH TO THE MANHOLE WALL WITH HYDRAULIC CEMENT AFTER THE MANHOLE IS IN PLACE. LIFTING HOLES THRU THE MANHOLE WALL WILL NOT BE ACCEPTED.
- THE ENDS OF ALL PIPES IN MANHOLES SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE MANHOLE WALL.
- MANHOLE INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE MANHOLE WILL BE SELF CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.
- MANHOLE FRAME AND COVER TO BE DEETER #1261, EJIW #1936-Z1, OR APPROVED EQUAL, SEE SW-303.
- FOR FLAT GRATED INLET APPLICATION, GRATE TO BE DEETER #1933, EJIW #1205 MDI, OR APPROVED EQUAL.
- FOR BEEHIVE GRATE APPLICATION, GRATE TO BE DEETER #4495, EJIW #120545, OR APPROVED EQUAL.

CITY OF WICHITA
PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

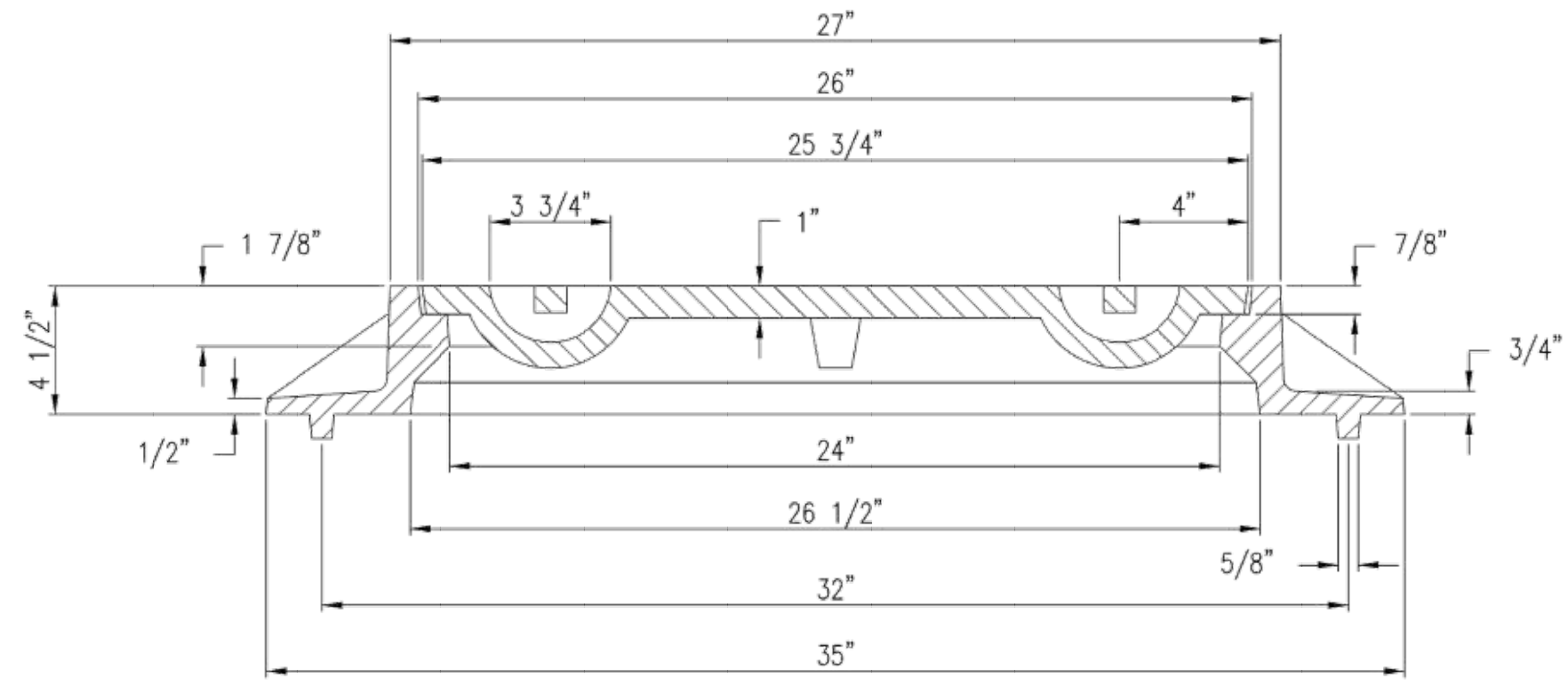
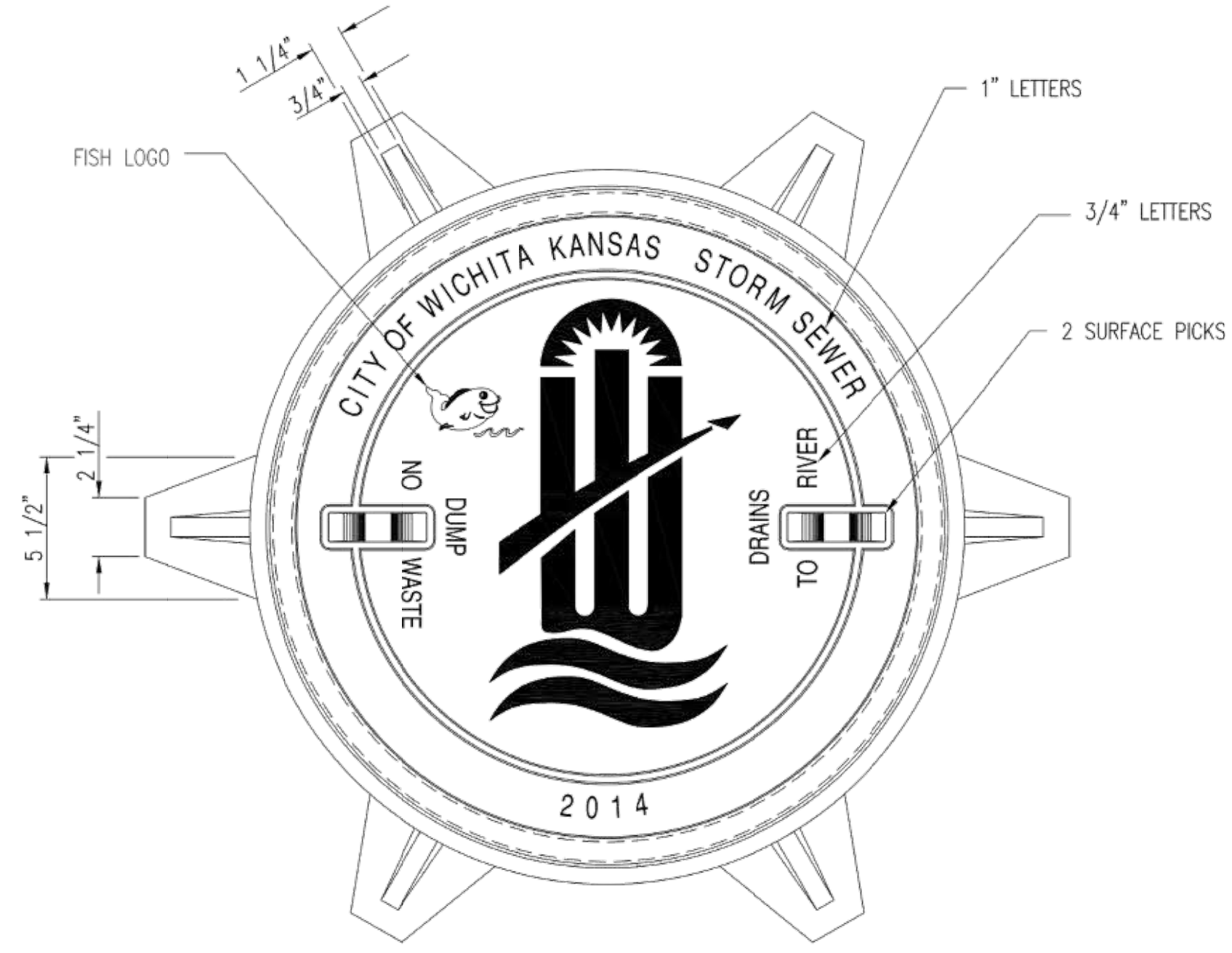
<p>REVISED: MARCH 2015</p> <p>PRECAST CONCRETE MANHOLE (STORM SEWER)</p> <p>CITY ENGINEER GARY JANZEN, P.E.</p>		
PROJECT NUMBER	OCA NUMBER	DATE
CITY ENGINEER'S OFFICE		SHEET
<p>CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501</p>		

Colonel James Jabara Airport FBO Hangar
INLET DETAILS
 Stormwater Sewer Improvements
 Baughman Company, P.A.
 1515 Ellis St., Wichita, KS 67211 P 316.262.2271 F 316.262.0149
 2200 S. W. 10th St., Topeka, KS 66606 P 785.233.4444
 1111 E. Pennsylvania Blvd., Topeka, KS 66606 P 785.233.4444



MANHOLE FRAME
DEETER #1261 OR EJIW #1936-Z1

- NOTE:
1. FURNISHED WITH MACHINED HORIZONTAL BEARING SURFACE.
 2. COVER TO BE DEETER #1261 OR EJIW #1936A.



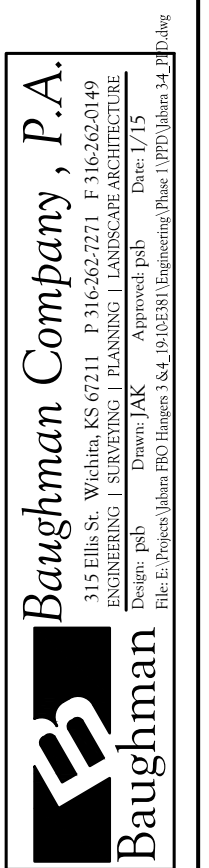
INLET FRAME
DEETER #2014 OR EJIW #1936-Z4

- NOTE:
1. FURNISHED WITH MACHINED HORIZONTAL BEARING SURFACES.
 2. NOT TO BE USED UNDER PAVEMENT.
 3. COVER TO BE DEETER #1261 OR EJIW #1936A.

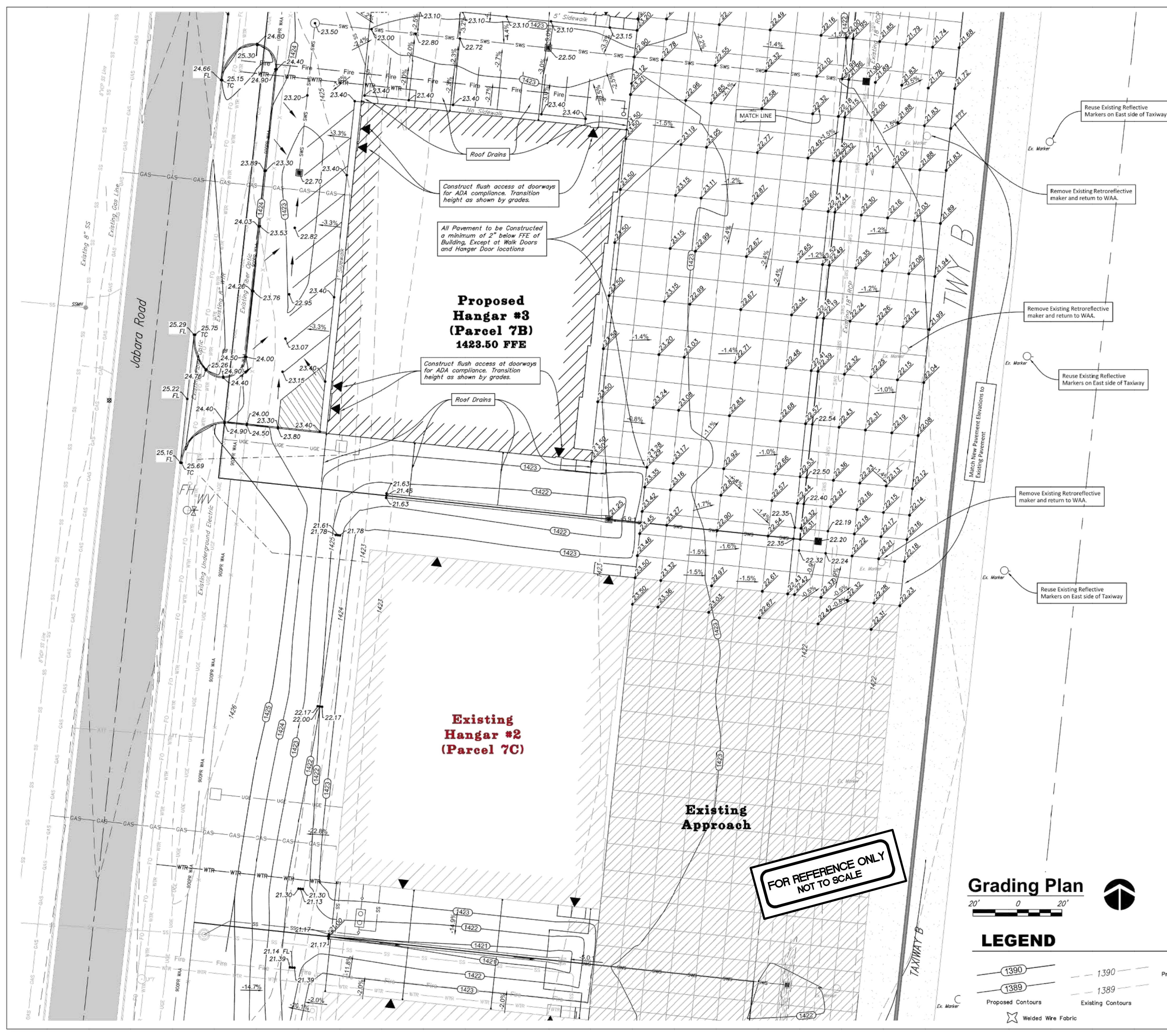


MANHOLE/INLET FRAME AND COVER (STORM SEWER)			
CITY ENGINEER Gary Janzen, P.E.			
PROJECT NUMBER	OCA NUMBER	DATE	
CITY ENGINEER'S OFFICE	DESIGN	DRAWN	
CITY HALL - SEVENTH FLOOR	Staff	Staff	
455 NORTH MAIN STREET	SHEET		
WICHITA, KANSAS 67202-1620	of		
(316) 268-4501			

M:\ENG\DETAILS\Wichita\Sewers\SW-303-MH-Inlet Frame & Cover.dwg_SW-303



Colonel James Jabara Airport FBO Hangar
INLET DETAILS
Stormwater Sewer Improvements



BENCHMARK

Benchmark - 1
 "X" Chisled on Top of Curb, west of road across from Parcel 7B
 Elev.=1425.75 NAVD 88

Benchmark - 2
 Brass Disc on Top of Curb, West side of Jabara Road, 75.26 feet NW
 of the SW corner of Parcel 7D
 Elev.=1424.59 NAVD 88

LEGAL DESCRIPTION

(.3622 & .3628 N. Jabara Road)
 A portion of Lot 1, Block A, Colonel James Jabara Airport an Addition to Wichita, Sedgewick County, Kansas, described as commencing at the southwest corner of said Lot 1; thence N10°53'37"W along the west line of said Lot 1, 250.00 feet to a deflection in the west line of said Lot 1; thence N15°08'03"W along the west line of said Lot 1, 103.08 feet to a deflection in the west line of said Lot 1; thence N07°05'53"W along the west line of said Lot 1, 1476.24 feet to a deflection point, also a point in the south Road Right of Way line of Jabara Road as platted in said James Jabara Airport; thence N89°54'07"E, along the south Road Right of Way Line of Jabara Road, 31.5 feet to the P.C. of a curve to the left; thence northeasterly along said curve to the left an arc length of 296.47 feet, said curve having a radius of 205 feet, a chord length of 271.30 feet and a chord bearing of 147°20'15"E to the P.C. of said curve; thence N08°52'24"E, along the east Road Right of Way line of said Jabara Road, 2037.59 feet to the Point of Beginning; thence N83°57'36"W, 10.00 feet; thence N06°02'24"E, parallel with the east Road Right of Way line of said Jabara Road, 400.00 feet; thence S83°57'36"E, 263.00 feet; thence S06°02'24"W, 400.00 feet; thence N83°57'36"W, 253.00 feet to the Point of Beginning.

Subject property contains 105,200.0 square feet or 2.4154 Acres.

GRADING NOTES

- Contractor shall be required to provide notice to Kansas One Call at 687-2470 a minimum of two (2) working days prior to any excavation or work adjacent to utilities.
- The Contractor must notify the following in case of an emergency:
 Kansas Gas Service (Gas).....1-888-482-4950
 Black Hills Energy (Gas).....1-800-303-0357
 Westar Energy (Electric).....383-8650
 Cox Communications (Telecommunication).....262-4270
 City of Wichita Water Dept. (Water).....268-4563
 OR 268-4908
 City of Wichita Sewer Maint. (San. Sewer).....268-4024
 OR 262-6000
 City of Wichita Storm Sewer Maint. (Storm Sewer).....268-4090
 City of Wichita Traffic Maint. (Traf. Control).....268-4034
 OR 268-4203
 Conoco Pipeline Co. (Petroleum).....1-800-231-2551
 Williams Pipeline Co. (Petroleum).....529-6600
 OR 1-800-324-9696
 Phillips Pipeline Co. (Petroleum).....1-800-766-8230
 Wichita Airport Authority.....946-4715
- Existing utilities and their locations, as shown on the plans, 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. The Contractor will be required to work around existing utilities which do not conflict with proposed construction. Contractor shall Pot Hole utility crossings prior to Excavation. Depths of the new and existing utilities shall be documented on Asbuilt Plans.
- Traffic affected by the construction on this project shall be handled in accordance with the latest edition of the Local Manual on Uniform Traffic Control Devices.
- The Contractor shall verify all utility locations prior to construction of this project.
- Refer to Erosion Control Plan for Treatment of All Disturbed Areas.
- Signaling shall be installed in accordance with FAA Standards.
- Proposed storm water sewer shall be the contractor's responsibility. This portion of the project shall be constructed under "Private Project." The storm sewer system shall be designed separately, and undergo Local City review and approval. The installation of the storm sewer is required to be done by a bonded contractor, inspected and certified. Refer to Separate Sewer and Storm Water Sewer Plan Set. The Contractor shall construct the sewer only from Local City approved plans which will be provided to the General Contractor or can be provided by Baughman Company, P.A.
- Cross-Slopes on sidewalks around building shall not exceed 1/4" per foot (or 2%). Notify Engineer of any discrepancies prior to forming of walks.
- Grading slopes should not exceed a maximum of 25% (4:1) at any location.
- Landscape Areas adjacent to Building shall be set 4" Below FFE, unless otherwise noted. At areas adjacent to the building and Sidewalk, landscape shall be graded to match the sidewalk section and drain away from the building. Transition landscape to match sidewalk to 4" below with a slope not exceeding 1/12.



LEGEND

- Proposed Contours: 1390, 1389
- Existing Contours: 1390, 1389
- Proposed Spot Grade: FFE = X, XXX.XX
- Proposed Slope: X/X
- Proposed Curb and Flow Line Grades: X/X
- Proposed Building Finished Floor Elevation: FFE = X, XXX.XX
- Welded Wire Fabric: [Symbol]

Colonel James Jabara Airport
GRADING PLAN
 FBO Hangar

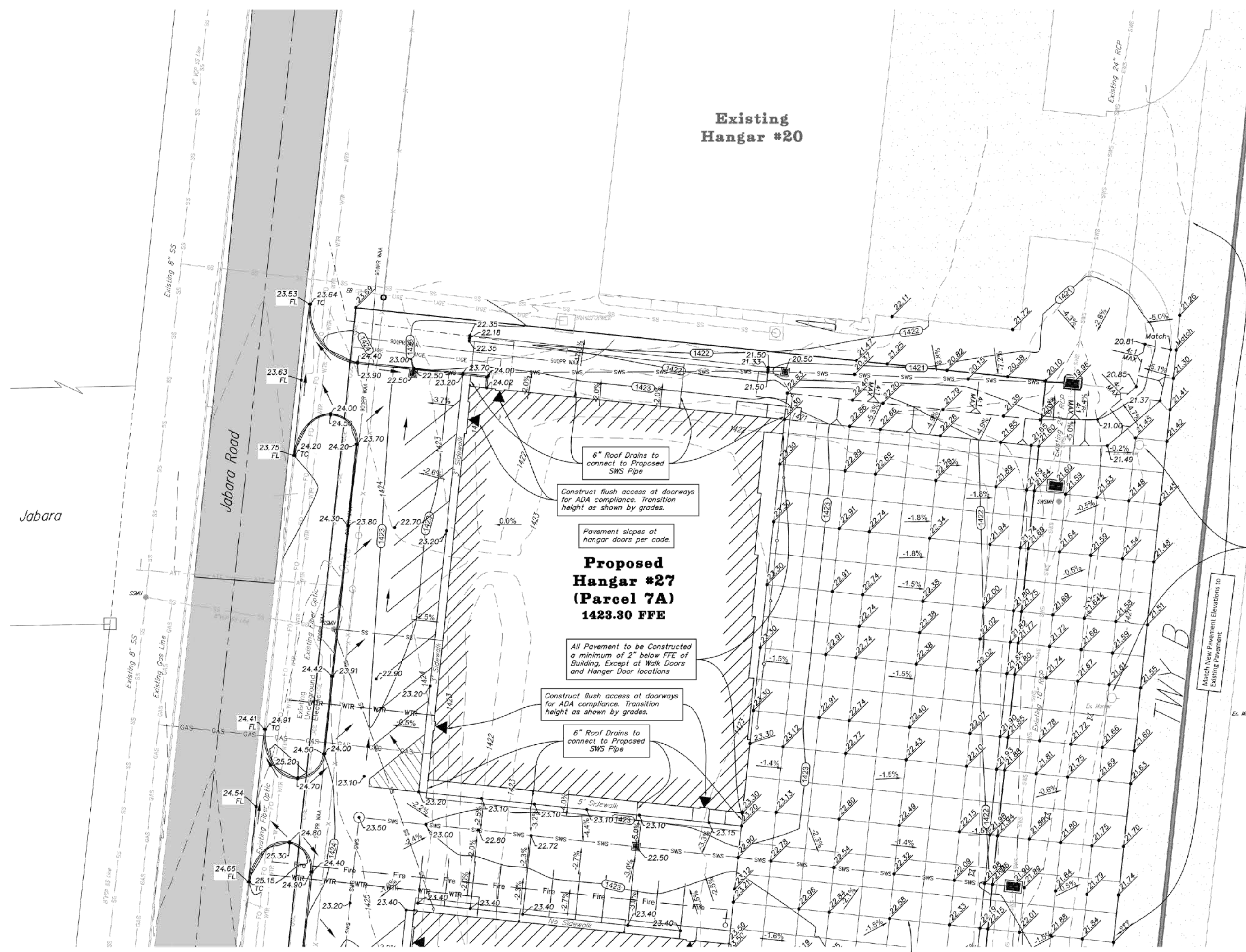
Baughman Company, P.A.
 1518 E. S. Wichita, KS 67211 P: 316-262-2121 F: 316-262-0149
 JANSSEN@BAUGHMAN.COM WWW.BAUGHMAN.COM
 1518 E. S. Wichita, KS 67211 P: 316-262-2121 F: 316-262-0149

SHEET 6 OF 13

Colonel James Jabara Airport FBO Hangar
GRADING PLAN
 Stormwater Sewer Improvements

Baughman Company, P.A.
 1518 E. S. Wichita, KS 67211 P: 316-262-2121 F: 316-262-0149
 JANSSEN@BAUGHMAN.COM WWW.BAUGHMAN.COM
 1518 E. S. Wichita, KS 67211 P: 316-262-2121 F: 316-262-0149

SHEET 9 OF 11



BENCHMARK

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Subject property contains 105,200.0 square feet or 2.4154 Acres.

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Cox Communications (Telecommunication).....	262-4270
City of Wichita Water Dept. (Water).....	268-4563
City of Wichita Sewer Maint.(San. Sewer).....	268-4908
City of Wichita Storm Sewer Maint. (Storm Sewer).....	262-6000
City of Wichita Traffic Maint.(Traf. Control).....	268-4034
Conoco Pipeline Co. (Petroleum).....	268-4203
Williams Pipeline Co. (Petroleum).....	529-6600
Phillips Pipeline Co. (Petroleum).....	1-800-231-2551
Wichita Airport Authority.....	1-800-766-8230
	946-4715
- Existing utilities and their locations, as shown on the plans, 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. The Contractor will be required to work around existing utilities which do not conflict with proposed construction. Contractor shall Pot Hole utility crossings prior to Excavation. Depths of the new and existing utilities shall be documented on Asbuilt Plans.
- Traffic affected by the construction on this project shall be handled in accordance with the latest edition of the Local Manual on Uniform Traffic Control Devices.
- The Contractor shall verify all utility locations prior to construction of this project.
- Refer to Erosion Control Plan for Treatment of All Disturbed Areas.
- Signaling shall be installed in accordance with FAA Standards.
- Proposed storm water sewer shall be the contractor's responsibility. This portion of the project shall be constructed under "Private Project." The storm sewer system shall be designed separately, and undergo Local City review and approval. The installation of the storm sewer is required to be done by a bonded contractor, inspected and certified. Refer to Separate Sewer and Storm Water Sewer Plan Set. The Contractor shall construct the sewer only from Local City approved plans which will be provided to the General Contractor or can be provided by Baughman Company, P.A.
- Cross-Slopes on sidewalks around building shall not exceed 1/4" per foot (or 2%). Notify Engineer of any discrepancies prior to forming of walks.
- Grading slopes should not exceed a maximum of 25% (4:1) at any location.
- Landscape Areas adjacent to Building shall be set 4" Below FFE, unless otherwise noted. At areas adjacent to the building and Sidewalk, landscape shall be graded to match the sidewalk section and drain away from the building. Transition landscape to match sidewalk to 4" below with a slope not exceeding 1/12.

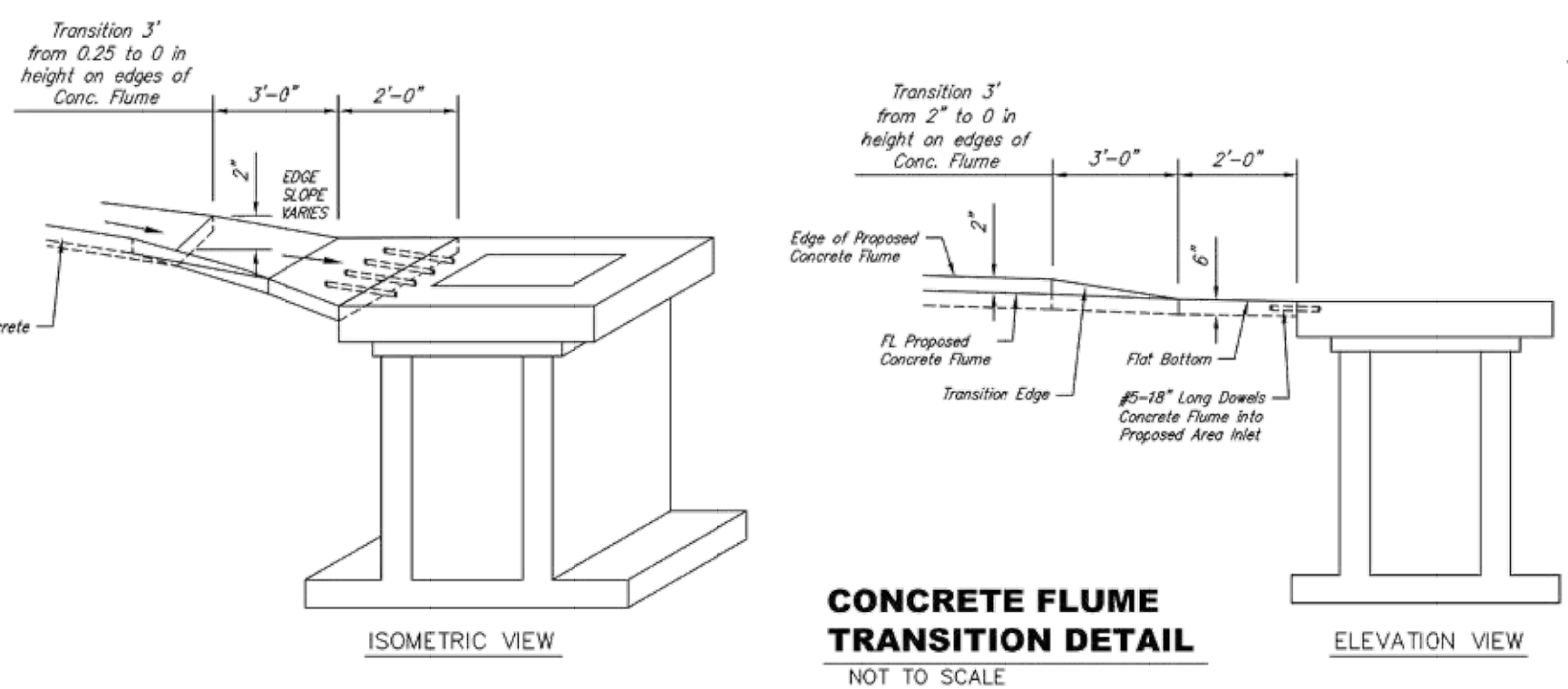
Grading Plan



**FOR REFERENCE ONLY
 NOT TO SCALE**

LEGEND

- Proposed Contours (1390, 1389)
- Existing Contours (1390, 1389)
- Proposed Spot Grade
- Proposed Slope
- Proposed Curb and Flow Line Grades
- Proposed Building Finished Floor Elevation (FFE=X,XXX.XX)
- Welded Wire Fabric



**CONCRETE FLUME
 TRANSITION DETAIL**
 NOT TO SCALE

Colonel James Jabara Airport
GRADING PLAN
 FBO Hangar

1515 E. St. W. Wichita, KS 67211 P: 316.262.2171 F: 316.262.0149
Baughman
 ARCHITECTURAL ENGINEERING
 1515 E. St. W. Wichita, KS 67211 P: 316.262.2171 F: 316.262.0149

SHEET	8
OF	14

Baughman Company, P.A.
 1515 E. St. W. Wichita, KS 67211 P: 316.262.2171 F: 316.262.0149
 ARCHITECTURAL ENGINEERING
 1515 E. St. W. Wichita, KS 67211 P: 316.262.2171 F: 316.262.0149

Colonel James Jabara Airport FBO Hangar
GRADING PLAN
 Stormwater Sewer Improvements

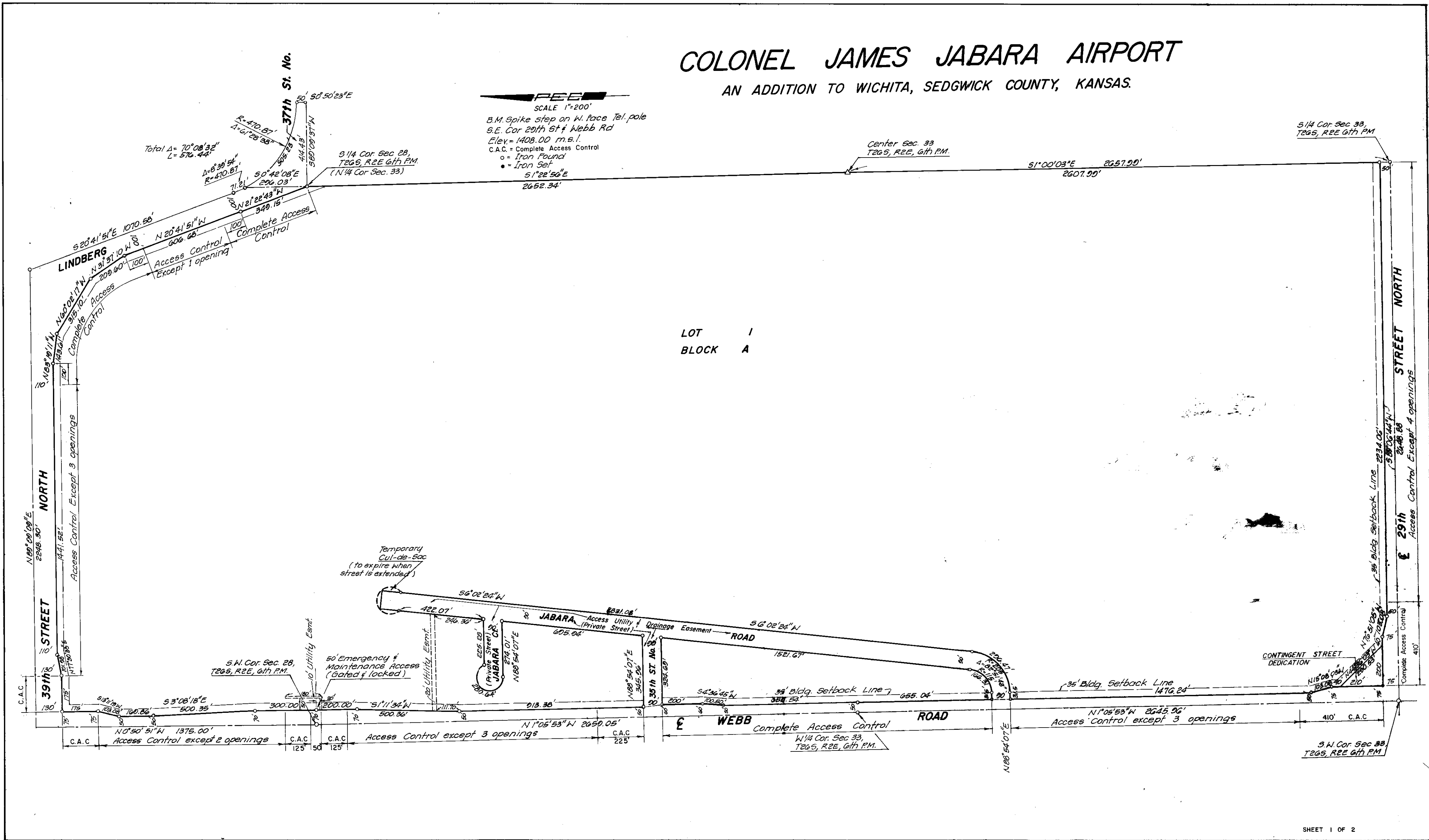
SHEET	10
OF	11

S-2 4-35B

S-2 4-35B

COLONEL JAMES JABARA AIRPORT

AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS.

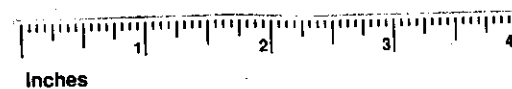


LOT 1
BLOCK A

SHEET 1 OF 2

S-2 4-35B

S-2 4-35B



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

**FOR REFERENCE ONLY
NOT TO SCALE**

Baughman Company, P.A.
115 E. Park Street, Wichita, Kansas 67201
P: 316.262.2171 F: 316.262.0149
www.baughman.com

Colonel James Jabara Airport FBO Hangar
Copy of Plat
Stormwater Sewer Improvements

GENERAL NOTES:

- The Contractor shall comply with all applicable safety regulations. All construction shall be completed following current City Standard Specifications and Special Provisions.
- Contractor will be required to provide notice to utility companies a minimum of seventy-two (72) hours prior to any excavation, as follows:
Kansas One-Call 687-2470
The Contractor must notify the following in case of an emergency:
AT&T 1-800-245-8464
Black Hills Energy 1-800-634-8989
City of Wichita Water & Sewer 1-316-219-8921
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 location, 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 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 will require additional archaeological 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 City 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 Engineering Division shall field locate 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 final grades by the contractor.
- The Contractor shall notify the inspecting 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, Mike Armour 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 NAVD 88.
- All areas disturbed during construction that will not be under proposed pavement shall be restored to match existing conditions.

- 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.
- All applicable fees (tap, equity, in lieu of & main benefit) must be paid before any connections can be made on this project. Quotes can be obtained on fees by calling 316-268-4555.
- City maintenance of water mains ends at right-of-way or easement line or within two feet of vault.
- Opening and closing of water valves shall be done slowly to prevent damage to the water distribution system from water hammer. All valves closed by the contractor must be reopened as new construction permits. The project inspector must ascertain that any valve closed by the Contractor is reopened. The contractor will be permitted to operate water valves only when the project inspector assigned to the project is present.
- The Contractor shall lay a Tracer Wire and Set Test Stations along all water pipe installed in accordance with City Specifications and Tracer Wire Detail on detail sheet WL-101, cost is subsidiary to pipe installation.
- The contractor shall provide materials for temporary blowoff of waterlines. Connections to the existing waterline(s) shall be made with clean, swabbed pipe and flushed upon completion of tie-ins.
- Requests for short term water interruptions shall be made to the City Water Distribution Division and will be subject to their approval. The Contractor shall give written notice to any property owner, business, and/or tenants that will have water service interrupted at least 5 days in advance. Such notifications should indicate the time and date that the water will be turned off and when the service will be restored. No business, property owner, and/or tenants shall be without water service for more than 8 hours. Proposed tie in locations which will affect water service to property owners shall be preformed during non-peak hours.
- The Contractor must schedule the connections to the existing main with the City such that there is a minimum disruption of service. Connections shall be made during periods of low water usage. The Contractor shall submit his proposed schedule for completing work for City approval at least 10 days prior to beginning construction.
- Deflections at pipe joint or couplings shall not exceed the pipe manufacturers recommended maximum. Where deflections are greater than the maximum allowed, the contractor shall utilize fittings.
- Any existing joint exposed during excavation shall be replaced if within four feet of proposed joint.
- Valves 12 inch and larger are to be operated by the City Water Distribution Division, 48 hours of advance notice is required with the water Dispatch at 316-291-8921.
- All wet taps shall be installed by the City of Wichita. The Contractor will reimburse the City for tapping fees prior to tap being made. Unless noted on plans.
- The Contractor shall protect from damage and support existing utilities through construction as approved by the utility owner and the Engineer at the contractors expense.
- Contractor shall limit the extent of trench openings overnight and weekends to less than 50 feet.
- Wichita Fire Department inspections may be scheduled by calling 316-268-4441.

BENCHMARKS:

- Benchmark - 1
"X" Chisled on Top of Curb, west of road across from Parcel 7B
Elev.=1425.75 NAVD 88
- Benchmark - 2
Brass Disc on Top of Curb, West side of Jabara Road, 75.26 feet NW of the SW corner of Parcel 7D
Elev.=1424.59 NAVD 88

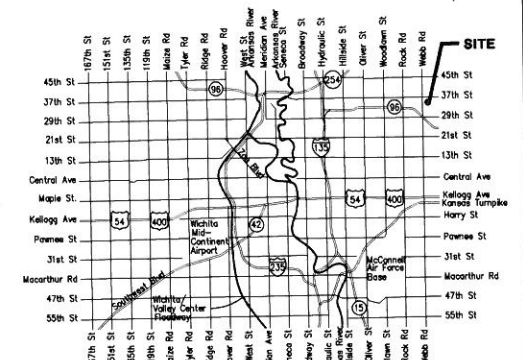
WATER DISTRIBUTION SYSTEM to serve LOT 1, BLOCK A, COLONEL JAMES JABARA AIRPORT ADDITION 3622 & 3628 N. JABARA RD. CITY OF WICHITA, KANSAS

Gary Janzen, P.E. City Engineer
Project Number
PPW - 2020 - 016449

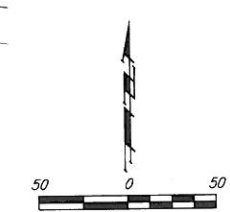
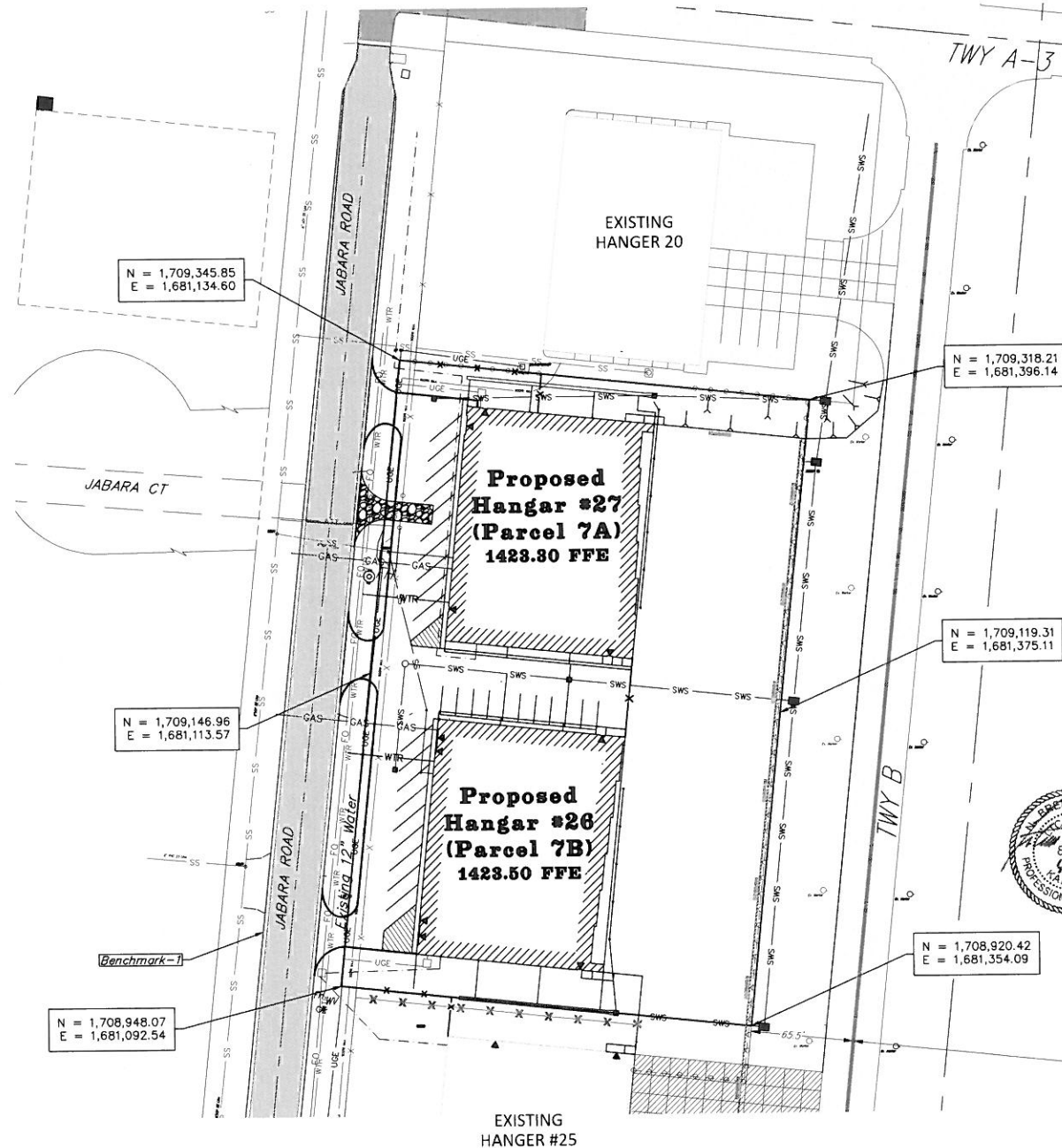
Sheet Index

Title Sheet
Water Line 1 Plan
Standard Water Details
BMP Details
Plot

1
2
3-6
7-11
12



Vicinity Map



APPROVED AS NOTED
BY WICHITA PUBLIC WORKS
ENGINEERING DIVISION
& BY WICHITA FIRE DEPARTMENT

Engineering approved by Seth Gotchey 6/5/2020
Utilities approved by Greg Lalley 6/5/2020
Fire Dept. approved by James Fromme 6/5/2020

NOTE TO CONTRACTORS

Public Property:
Inspection and testing for the waterline is to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Said inspection is to be in accordance with the City of Wichita standard construction engineering practices and certified by a Professional Engineer Licensed in the state of Kansas. No work shall be performed in dedicated easements or public right-of-way 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 City or Wichita Specifications and Standards and Special Provision (on file and available in the City Engineer's Office) or on the City's Website.

Private Property:
Installation and testing for the fire protection line is to be performed by a City of Wichita licensed fire protection contractor in accordance with the fire codes as adapted by the City of Wichita. All material and construction practices for the fire protection line shall comply with the fire codes as adapted by the City of Wichita (available from the City of Wichita Fire Department). The Contractor shall not commence work without notification and approval of the Wichita Fire Department. Inspection of the fire protection line is to be provided by a licensed Engineering Firm under contract with the Owner/Developer and the Fire Department. The contractor shall not start work until the project inspector is assigned to the project and present on the site. Any work done without inspection will be required to be uncovered for inspection.

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



June 4, 2020

Baughman
Baughman Company, P.A. 115 Ellis St. Wichita, KS 67211 P: 316-262-7771 F: 316-262-7148
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE
E:\Projects\Jabara FBO Hangars 3-84-19-10-ESB1\Engineering\Draws\137PW\Jabara 14-TW.dwg