

Sanitary Sewer to serve Mid-Continent Airport Addition 2106 PPS (607861)

BENCH MARKS

BENCH MARK #1: CHISELED SQUARE SOUTH TOP OF CURB
OF PUEBLO ONLINE WITH TAXIWAY "H" EXTENDED NORTH
TO CURB.
ELEVATION = 1313.25 (NAVD88)

GENERAL NOTES

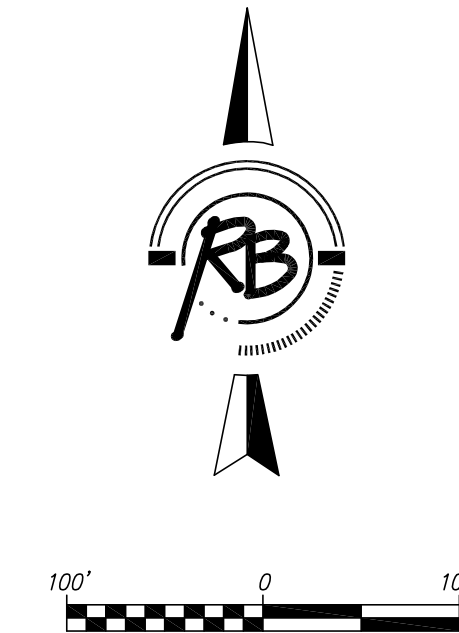
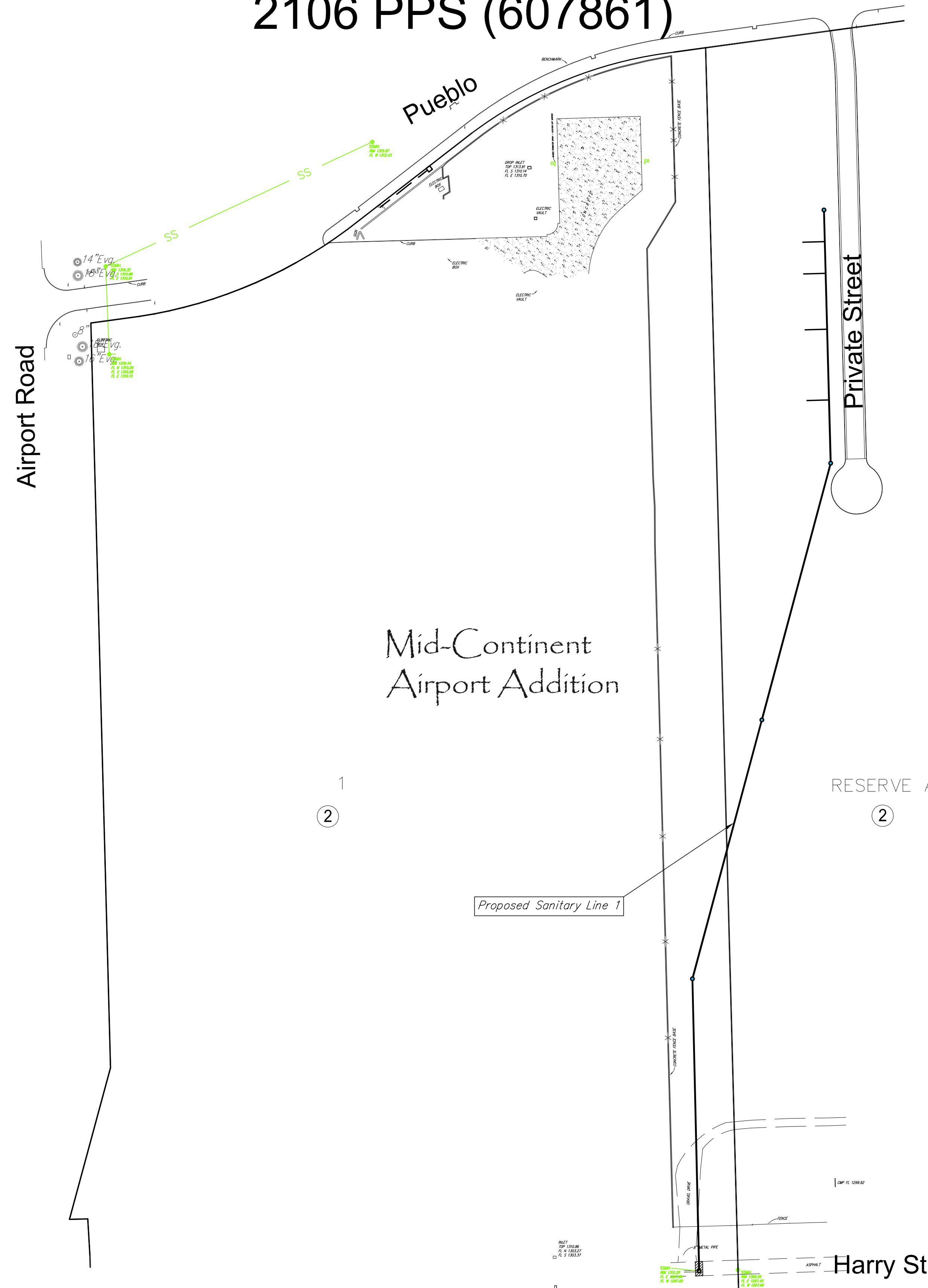
1. Contractor will be required to provide a minimum advance notice of seventy-two (72) hours to utility companies prior to starting any excavation as follows:

Kansas One-Call 687-2470

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

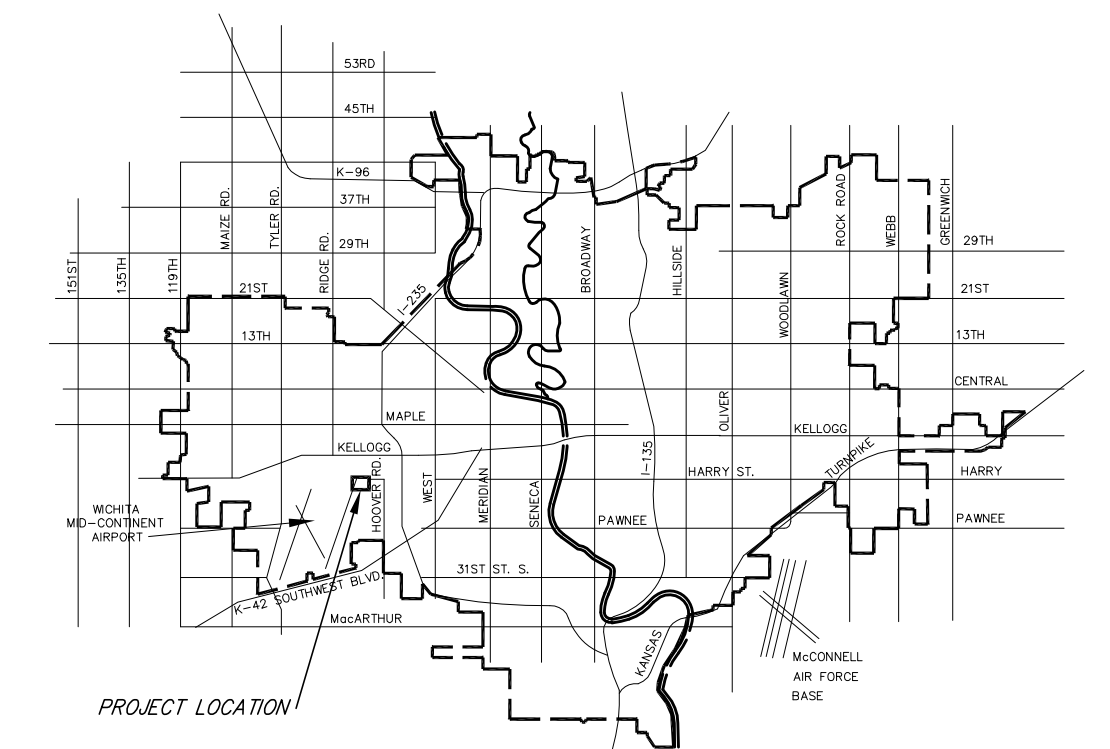
Cox Communications	262-0661
Kansas Gas Service	888-482-4950
Westar	383-8600
Aquila	1-800-303-0357
SBC	1-800-286-8313
City of Wichita Water Department	262-6000
City of Wichita Sewer Maintenance	262-6000

2. Underground utility service lines and overhead utility pole lines 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. 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 within the right-of-way which do not conflict with proposed construction.
3. 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.
4. 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 permitting regulations. Any material buried or stockpiled beyond approved of Engineers construction limits would require additional archeological investigations unless buried in a previously approved borrow location.
5. The Contractor shall give all property owners and/or tenants of developed property directly abutting the construction of this project a minimum of ten (10) days advance notice prior to start of construction.
6. All work associated with these Sanitary Sewer plans shall be performed in compliance with City of Wichita Standard Specifications.

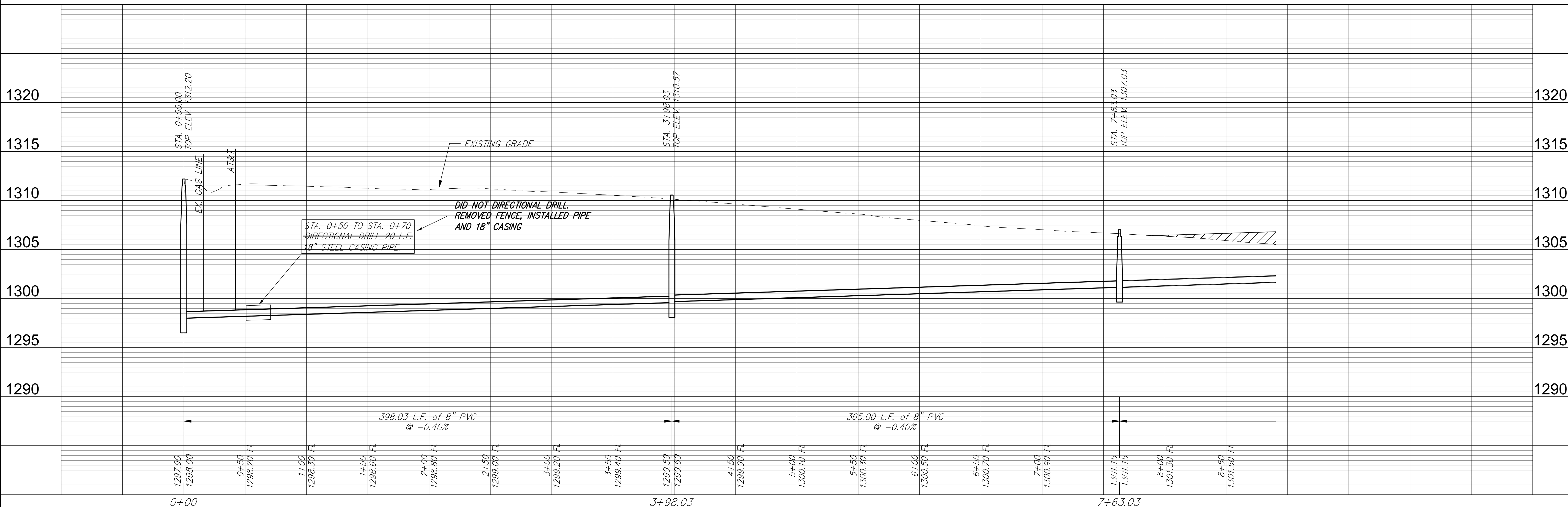
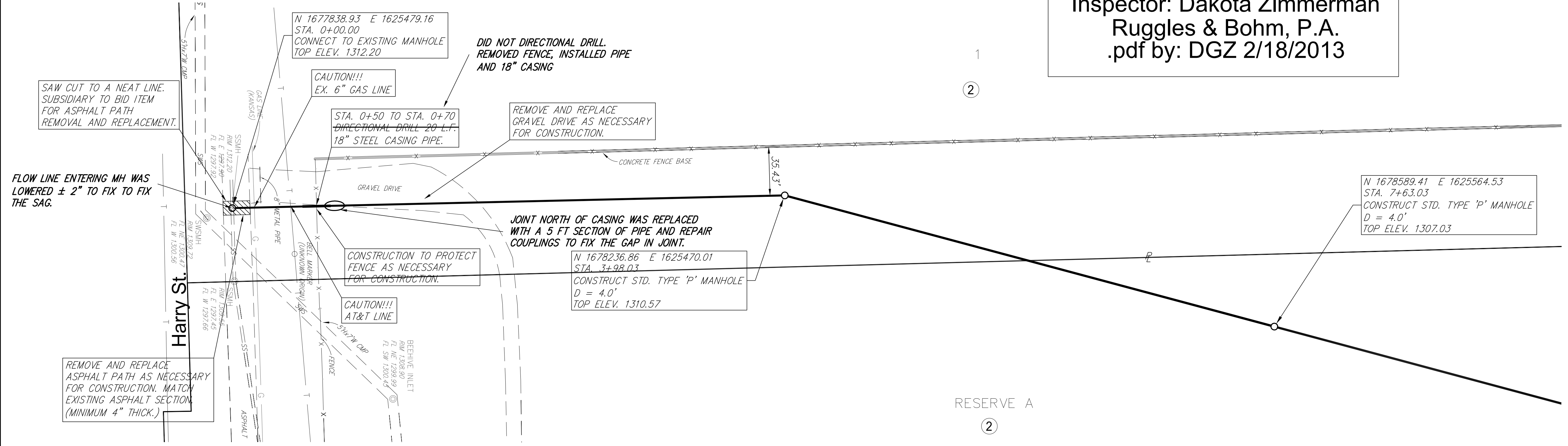
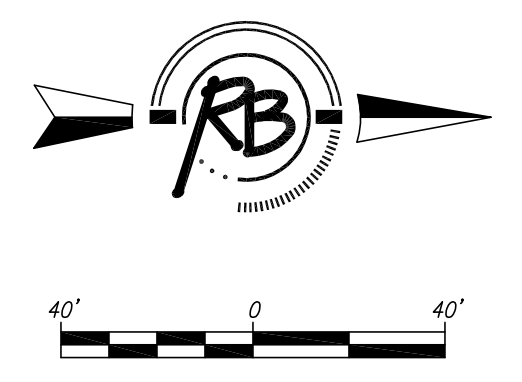


INDEX OF SHEETS

- CUI.1 TITLE SHEET
- CUI.2 LINE 1 PLAN/PROFILE
- CUI.3 LINE 1 PLAN/PROFILE
- CUI.4 TYPE P MANHOLE DETAIL
- CUI.5 VERTICAL RISER DETAIL
- CUI.6 MID-CONTINENT AIRPORT ADDITION PLAT



AS BUILT PLANS
 Contractor: Nowak Construction
 Inspector: Dakota Zimmerman
 Ruggles & Bohm, P.A.
 .pdf by: DGZ 2/18/2013



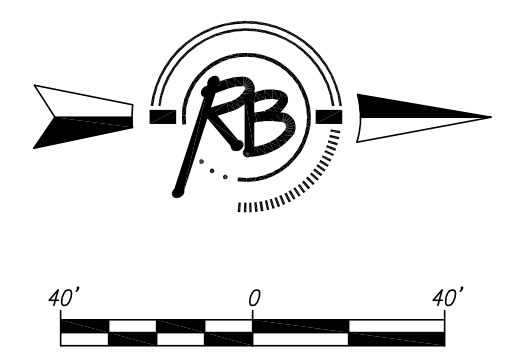
Ruggles & Bohm, P.A.
 Engineering, Surveying, Land Planning
 602 North Main
 Wichita, Kansas 67203
 (316) 264-8008
 www.rugglesandbohmpa.com

PROJECT NUMBER: 2106 PPS
 DESIGN: EG
 DRAWN: MLP
 DATE: Jun. 20, 2011
 REVIEW: REVIEW
 DRAWING FILE: ENG BASE \SS P&T\

**SANITARY SEWER IMPROVEMENTS
 MID-CONTINENT TAXIWAY
 WICHITA, KANSAS**

RB JOB: 2825P
 SHEET: CU1.2 OF

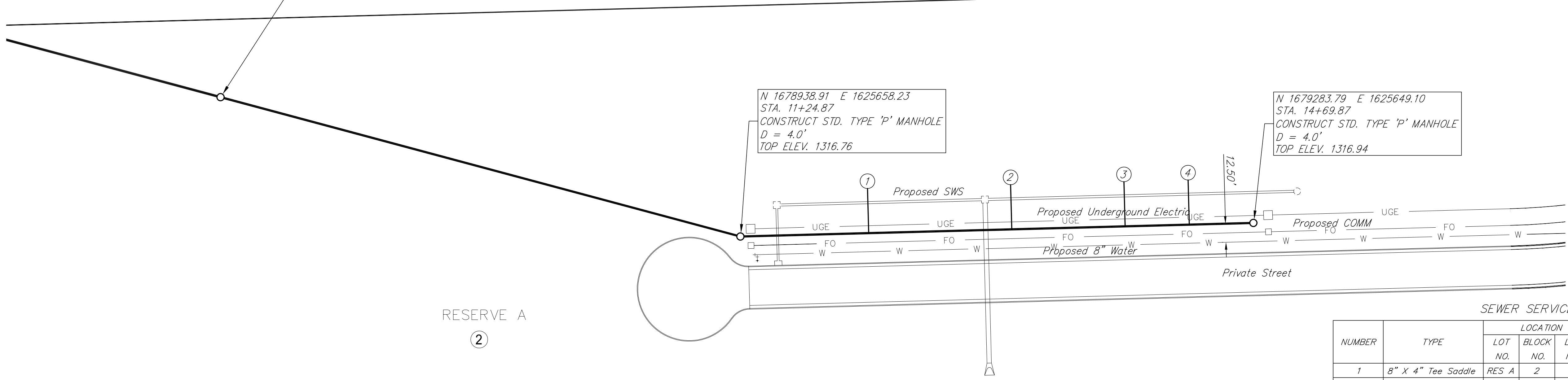
AS BUILT PLANS
 Contractor: Nowak Construction
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 .pdf by: DGZ 2/18/2013



N 1678589.41 E 1625564.53
 STA. 7+63.03
 CONSTRUCT STD. TYPE 'P' MANHOLE
 D = 4.0'
 TOP ELEV. 1307.03

N 1678938.91 E 1625658.23
 STA. 11+24.87
 CONSTRUCT STD. TYPE 'P' MANHOLE
 D = 4.0'
 TOP ELEV. 1316.76

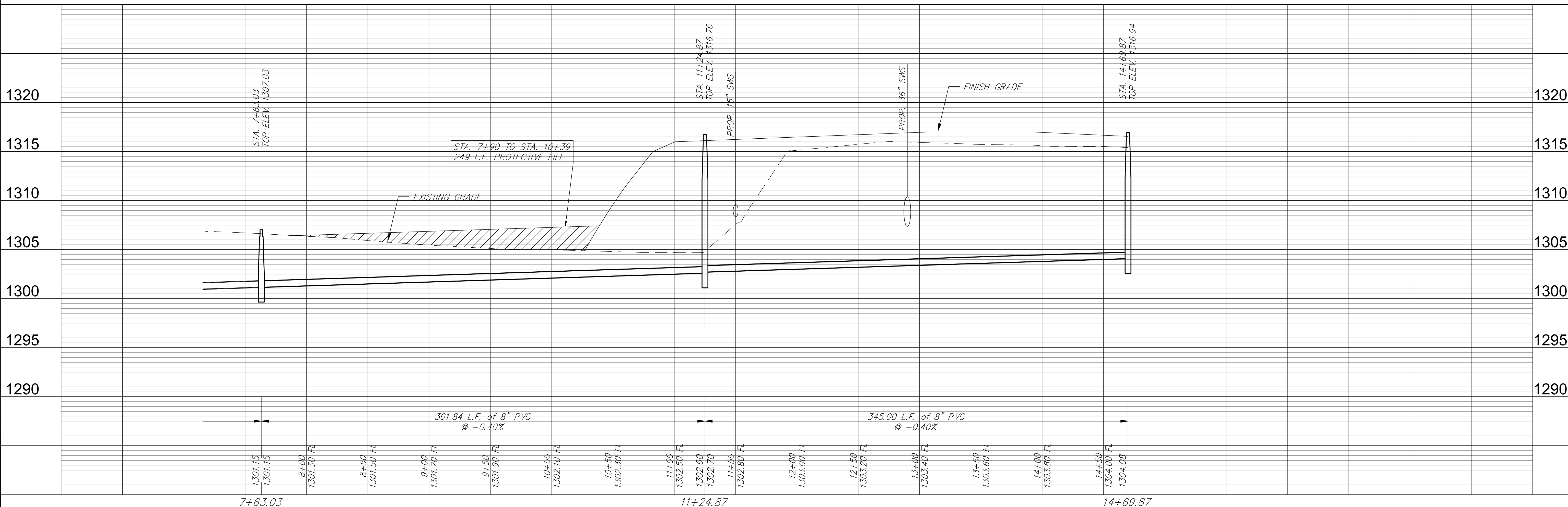
N 1679283.79 E 1625649.10
 STA. 14+69.87
 CONSTRUCT STD. TYPE 'P' MANHOLE
 D = 4.0'
 TOP ELEV. 1316.94



SEWER SERVICE TABLE

NUMBER	TYPE	LOCATION			STATION \ DIRECTION	FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.		APPROXIMATE LENGTH 4" PIPE	
						VERTICAL	HORIZONTAL
1	8" X 4" Tee Saddle	RES A	2	1	12+11/Lt.	9.5'	30'
2	8" X 4" Tee Saddle	RES A	2	1	13+07/Lt.	9.5'	30'
3	8" X 4" Tee Saddle	RES A	2	1	13+83/Lt.	9.5'	30'
4	8" X 4" Tee Saddle	RES A	2	1	14+26/Lt.	9.0'	30'

NOTE: Vertical Riser Pipe shall be extended to 2' minimum above ground water elevation and 4' maximum below proposed ground elevation.



Ruggles & Bohm, P.A.
 Engineering, Surveying, Land Planning
 920 North Main Street, Suite 200
 Wichita, Kansas 67203
 Phone: (316) 264-4000
 Fax: (316) 264-4001
 Email: info@rugglesandbohman.com

PROJECT NUMBER: 2106 PPS
 DESIGN: E.C.
 DRAWN: MLP
 CHECKED: J.M.
 DATE: Jun. 20, 2011
 REVIEW: J.M.
 DRAWING FILE: 2106 PPS P&P2
 ENG BASE: 2106 PPS P&P2

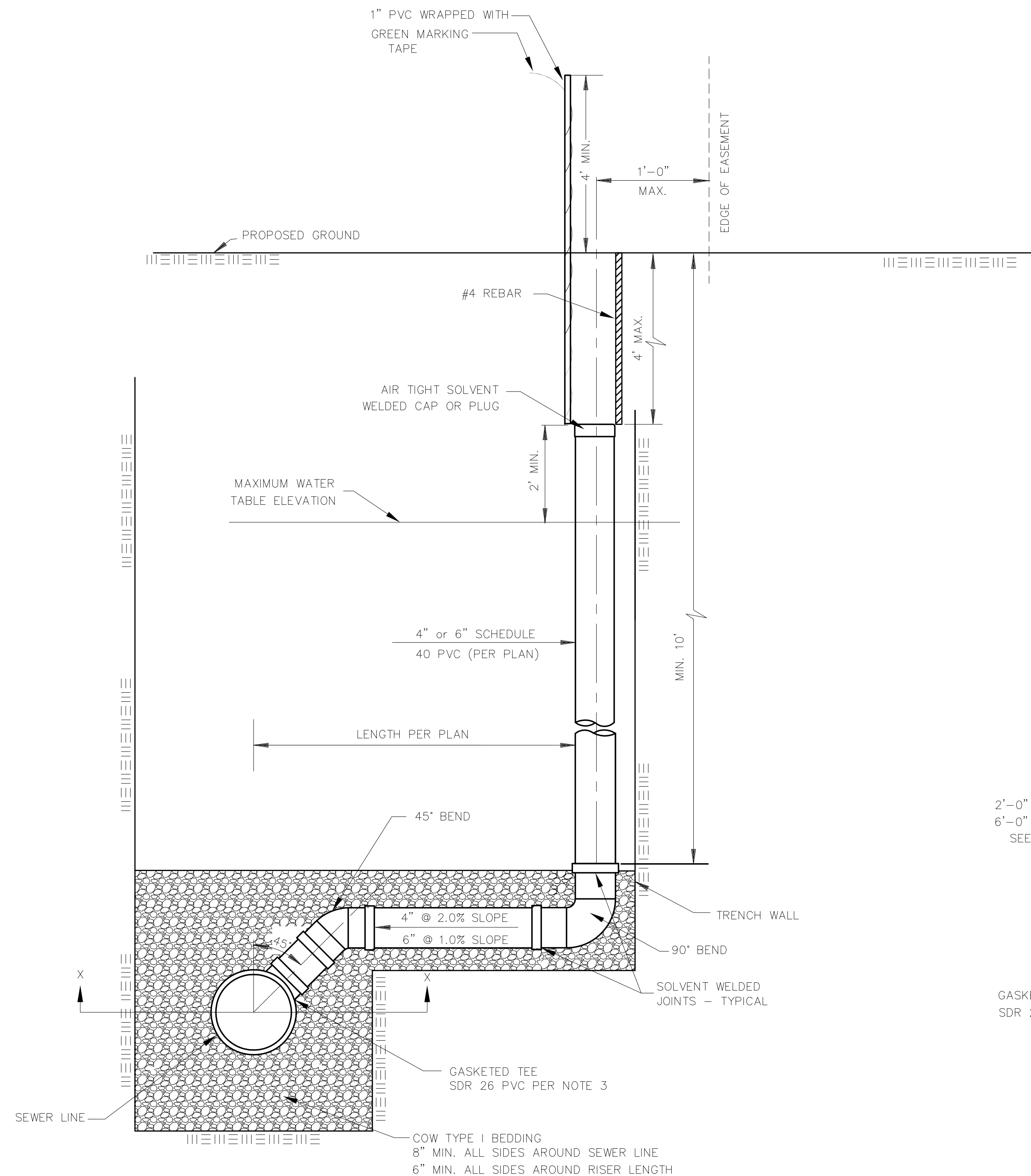
SANITARY SEWER IMPROVEMENTS
 MID-CONTINENT TAXIWAY
 WICHITA, KANSAS

RB JOB: 2825E
 SHEET: CU1.3
 OF: 1

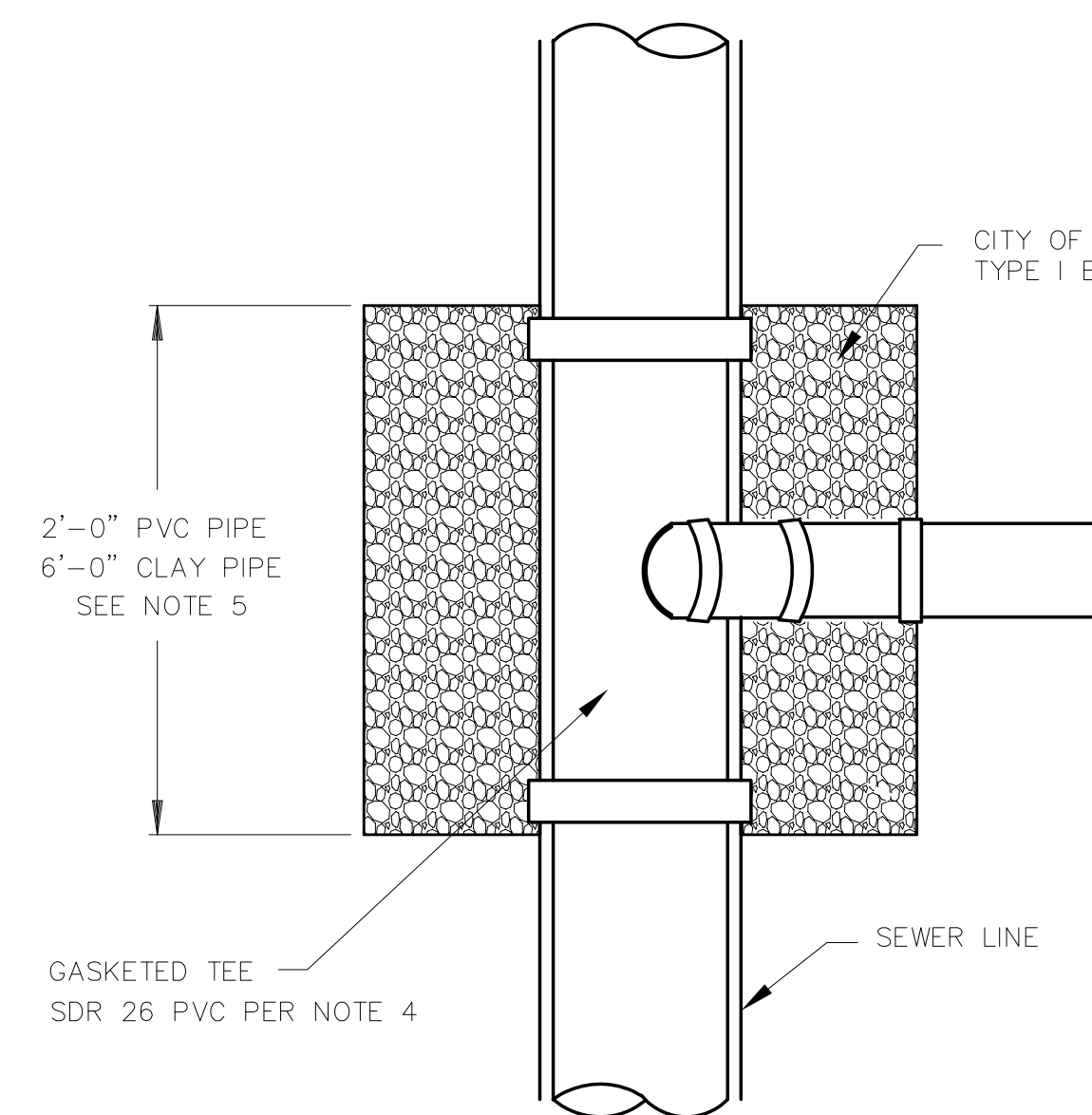
GENERAL NOTES

- APPLICATION. Risers shall be installed to serve all lots or tracts where the sanitary sewer main is below the water table, where the sanitary sewer main depth is greater than 12" below the proposed ground elevation, where the main is adjacent to a pond or wherever service lines would have to cross under storm sewer pipe. Installation of risers because of field conditions shall be as approved by the City Engineer. The location of the risers to serve developed property shall be approved by the property owner and the Construction Engineer.
- MANHOLE STUB RISERS. Manhole stub risers be installed in manholes where locations of manholes will provide satisfactory service connection as determined by the Construction Engineer. The vertical distance between the flowline of the manhole stub and the flowline of the sanitary sewer line out of the manhole shall not exceed 2' stub. Risers shall be utilized at manholes as indicated in Note 1. Manhole stub riser shall be set such that the top of the stub is not lower than the top of the sanitary sewer line.
- SIZING. Risers shall be sized according to the plans and riser table where risers are indicated by the plans. Where risers are required because of field conditions, the risers shall be 6" diameter for commercial or industrial properties and 4" or 6" diameter for residential properties, based on lot size and sanitary sewer main depth. Sizing of risers shall be approved by the construction Engineer prior to installation.
- RISER MATERIAL. Risers shall be constructed of Schedule 40 PVC Pipe, meeting the requirement of the latest revision of A.S.T.M.. All pipe joints shall be solvent welded. Full body tee shall be SDR 26 PVC pipe.
- ROCK ENCASEMENT. Riser connection to clay pipe sanitary sewers shall be rock encased both ways from the riser centerline. The rock encasement shall extend three feet from the riser centerline or stop at the first sanitary sewer pipe joint within three feet of the riser centerline. Riser connections to PVC Sanitary sewer mains shall be rock encased one foot each way from the riser centerline. Crushed rock shall conform to ASTM C-33, Gradation No. 67, and shall meet all requirements for Portland Cement Concrete pavement Coarse Aggregate, Section 406.2, City of Wichita Standard Specifications.
- BEDDING. Beyond the limits of the rock encasement, bedding around the sanitary sewer riser shall be compacted Pipe Bedding Type 1 or 2. The bedding shall be placed and compacted from the depth of the sanitary sewer main to the top of the sanitary sewer riser pipe. Compacted Pipe Bedding Type 1 or 2 shall be required for all risers whether constructed in vertical wall or sloped wall trenches. Bedding material and construction practices shall be approved by the Construction Engineer prior to installation.
- SUPPORT OF RISERS. Sanitary sewer riser pipe shall be supported during trench backfill. The riser pipe shall be held in a vertical position at all times until trench backfill and compaction has been completed. Contractor's methods for supporting and back filling the riser pie shall be approved by the Construction Engineer.
- PLUGGING. The ends of the riser pipes and manhole stubs shall be plugged using an airtight solvent welded cap or plug. Cap or plug fittings shall be approved by the Construction Engineer prior to installation. Caps or plugs which do not provide an airtight seal will not be accepted.
- TOP OF THE RISER PIPE. The top elevation of the sanitary sewer riser pipe shall be built per plan elevations, unless otherwise directed by the Construction Engineer, where riser elevations are not shown on the plans, the top of the risers shall be set at an elevation four feet below the proposed ground surface. If ground water is encountered, the top of the riser pipe shall be set at an elevation 2' (min.) above the maximum water table elevation, regardless of the riser elevation shown on the plans.
- MARKING. Locations of the ends of the sanitary sewer riser pipe shall be marked by installing 1" PVC from the top of the riser to a minimum of 4' above the top of finished grade. No. 4 rebar shall be placed centered over the riser from the cap to the existing ground. The 1" PVC pipe shall be wrapped with green colored plastic tape, for the full length above ground surface. The green tape shall be 4 mil Polyethylene film with a minimum width of three inches, specifically manufactured for the purpose of identification of underground sewers.
- LOCATION MEASURES. The project inspector shall record and document the location of all risers constructed as measured from the nearest manhole, indicate the direction from the manhole, the direction and distance from the main, riser size, and elevation of the top of the riser in tabular format.
- RISER LOCATION. the riser shall be located per plan if shown. If not shown on the plan, the riser shall be located at the center of the lot, within one foot of the property side of the easement for the lot being served. All riser locations shall be approved by the Construction Engineer prior to installation.
- PAYMENT. "Riser Assembly, Vertical " shall be paid for at the contract unit price per each, which shall be full compensation for all pipe, fittings, marking tape, length of backfill, labor, site restoration, and any other items necessary to complete the work.

"Riser Assembly, Manhole Stub" shall be paid for at the contract unit price per each, which shall be full compensation for all labor material and incidentals necessary to complete the work including all pipe, fittings, rock encasement, and all other items as required and listed for "Riser Assembly, Vertical "




NOTE:
NON SHEAR COUPLING TO BE USED
WHEN HOOKING TO CLAY PIPE.



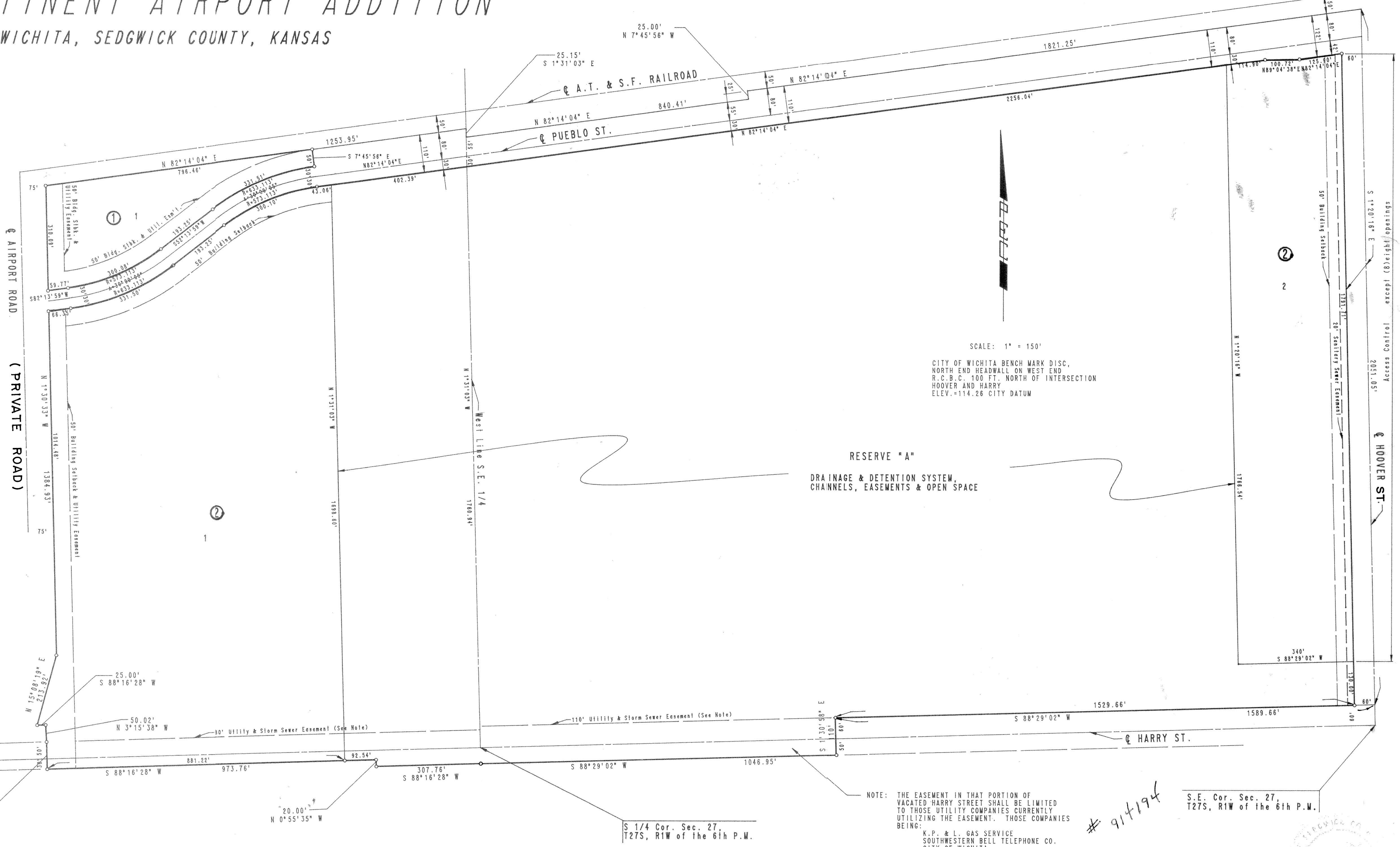
TYPICAL SECTION X-X

NOTE: RISER PIPE REQUIREMENTS AT MANHOLE STUBS SHALL BE SIMILAR TO THOSE SHOWN ABOVE.

 CITY OF WICHITA PUBLIC WORKS & UTILITIES ENGINEERING DIVISION	VERTICAL RISER ASSEMBLY SEWER DETAIL		
	CITY ENGINEER JAMES L. ARMOUR, P.E., L.S.		
	PROJECT NUMBER 2106 PPS	OCA NUMBER 607861	DATE 12/2011
	CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		SHEET CU1.5 of

MID-CONTINENT AIRPORT ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS



STATE OF KANSAS)
COUNTY OF SEDGWICK) SS

I, R.W. LINN, A PROFESSIONAL ENGINEER IN AFORESAID STATE AND COUNTY, DO HEREBY CERTIFY THAT ON THIS 12th DAY OF July 1986, I HAVE CAUSED TO BE SURVEYED AND PLATTED, MID-CONTINENT AIRPORT ADDITION, WICHITA, SEDGWICK COUNTY, KANSAS, INTO LOTS, BLOCKS, STREETS AND A RESERVE, THE SAME BEING A REPLAT OF RESERVES A & B AND PART OF RESERVE C, ALSO, BLOCKS 1 & 2 WITH INCLUDED STREETS IN WICHITA MUNICIPAL AIRPORT ADDITION TO WICHITA, KANSAS, TOGETHER WITH BLOCKS D, E, F, G, H, & J, PLUS INCLUDED STREETS PUEBLO DRIVE, MONTEZUMA ROAD, SIERRA DRIVE, SIEGER DRIVE, CORTEZ ROAD AND POLO ALTO DRIVE, ALL IN ROLLING HILLS MESA ADDITION, SEDGWICK COUNTY, KANSAS, AND MORE PARTICULARLY DESCRIBED AS A TRACT OF LAND IN THE S 1/2 OF SECTION 27 AND PORTION OF THE NORTH 30.00 FEET OF SECTION 34, TOWNSHIP 27 SOUTH, RANGE 1 WEST OF THE 6TH P.W. AND BEGINNING AT A POINT IN THE EAST LINE AND 60.00 FEET NORTH OF THE SE CORNER OF THE SE 1/4 OF SAID SECTION 27; THENCE BEARING S88°29'02"W PARALLEL WITH AND 60.00 FEET NORTH OF THE SOUTH LINE OF SAID SE 1/4 A DISTANCE OF 1589.66 FEET; THENCE BEARING S1°30'58"E A DISTANCE OF 110.00 FEET; THENCE BEARING S88°29'02"W PARALLEL TO AND 50.00 FEET SOUTH OF THE SOUTH LINE OF THE SE 1/4 OF SAID SECTION 27, A DISTANCE OF 1046.95 FEET; THENCE BEARING S88°16'28"W PARALLEL WITH AND 50 FEET SOUTH OF THE SOUTH LINE SW 1/4 OF SECTION 27, A DISTANCE OF 307.76 FEET; THENCE BEARING N0°55'35"W A DISTANCE OF 20.00 FEET; THENCE BEARING S88°16'28"W PARALLEL TO AND 30.00 FEET SOUTH OF THE SOUTH LINE SW 1/4 OF SECTION 27, A DISTANCE OF 973.76 FEET; THENCE BEARING N1°43'32"W A DISTANCE OF 80.00 FEET TO THE SE CORNER OF LOT 14 BLOCK "C," ROLLING HILLS MESA ADDITION; THENCE BEARING N3°15'38"W A DISTANCE OF 50.02 FEET TO THE NE CORNER OF SAID LOT 14; THENCE BEARING S88°16'28"W A DISTANCE OF 25.00 FEET TO THE NW CORNER OF SAID LOT 14; THENCE BEARING N15°08'19"E ALONG THE EASTERLY LINE OF LOT 7 IN SAID BLOCK "C," A DISTANCE OF 213.92 FEET; THENCE BEARING N1°30'33"W ALONG THE EAST LINE OF SAID LOT 7, A DISTANCE OF 1384.93 FEET TO A POINT IN THE SOUTH RIGHT-OF-WAY LINE OF A.T. & S.F. RAILROAD; THENCE BEARING N82°14'04"E ALONG SAID SOUTH RIGHT-OF-WAY A DISTANCE OF 1253.95 FEET TO A POINT IN THE WEST LINE OF THE SE 1/4 OF SAID SECTION 27; THENCE BEARING S1°31'03"E ALONG SAID WEST LINE A DISTANCE OF 25.15 FEET; THENCE BEARING N82°14'04"E ALONG SAID SOUTH RIGHT-OF-WAY A DISTANCE OF 840.41 FEET; THENCE BEARING N7°45'56"W A DISTANCE OF 25.00 FEET; THENCE BEARING N82°14'04"E A DISTANCE OF 1821.25 FEET TO A POINT IN THE EAST LINE SE 1/4 OF SAID SECTION 27; THENCE BEARING S1°20'16"E A DISTANCE OF 2051.05 TO THE POINT OF BEGINNING.

R.W. LINN P.E. NO. 3684



SCALE: 1" = 150'
CITY OF WICHITA BENCH MARK DISC,
NORTH END HEADWALL ON WEST END
R.C.B.C. 100 FT. NORTH OF INTERSECTION
HOOVER AND HARRY
ELEV.=114.26 CITY DATUM

RESERVE "A"
DRAINAGE & DETENTION SYSTEM,
CHANNELS, EASEMENTS & OPEN SPACE

NOTE: THE EASEMENT IN THAT PORTION OF VACATED HARRY STREET SHALL BE LIMITED TO THOSE UTILITY COMPANIES CURRENTLY UTILIZING THE EASEMENT. THOSE COMPANIES BEING:
K.P. & L. GAS SERVICE
SOUTHWESTERN BELL TELEPHONE CO.
CITY OF WICHITA

914194

S.E. Cor. Sec. 27,
T27S, R1W of the 6th P.W.

KNOW ALL MEN BY THESE PRESENTS THAT WE, THE UNDERSIGNED PROPERTY OWNERS OF THE LAND, AS ABOVE SET FORTH IN THE ENGINEER'S CERTIFICATE, HAVE CAUSED THE LAND TO BE SURVEYED AND PLATTED INTO LOTS, BLOCKS, STREETS AND A RESERVE, THE SAME TO BE KNOWN AS MID-CONTINENT AIRPORT ADDITION, WICHITA, SEDGWICK COUNTY, KANSAS. EASEMENTS, AS INDICATED FOR THE CONSTRUCTION AND MAINTENANCE OF PUBLIC UTILITIES AND DRAINAGE, ARE HEREBY GRANTED. STREETS ARE HEREBY DEDICATED TO AND FOR THE USE OF THE PUBLIC. RESERVE "A" SHALL BE OWNED AND MAINTAINED BY THE WICHITA AIRPORT AUTHORITY AND SHALL BE RESERVED FOR DRAINAGE AND DETENTION SYSTEM, CHANNELS, EASEMENTS AND OPEN SPACE. MINIMUM PAD ELEVATION REQUIRED FOR ALL LOTS, SHALL BE 1304 M.S.L. (=116.6 CITY DATUM). ALL ADJUTERS' RIGHTS OF ACCESS TO AND FROM HOOVER ROAD OVER AND ACROSS THE EAST LINE OF LOT 2, BLOCK 2 ARE HEREBY GRANTED TO THE CITY OF WICHITA; PROVIDED, HOWEVER, THAT LOT 2 SHALL HAVE ACCESS TO HOOVER ROAD AT EIGHT (8) LOCATIONS, SAID LOCATION TO BE DETERMINED BY THE CITY ENGINEER OF THE CITY OF WICHITA, KANSAS ALL PORTIONS OF WICHITA MUNICIPAL AIRPORT ADDITION AND ROLLING HILLS MESA ADDITION WITHIN THE ABOVE DESCRIBED TRACT ARE HEREBY VACATED AND PLATTED BY VIRTUE OF K.S.A. 12-512(b) AMENDED. OWNER: THE WICHITA AIRPORT AUTHORITY

MILTON GLICKMAN PRESIDENT
JUDY N. MOHRING CLERK

THIS PLAT HAS BEEN SUBMITTED TO AND APPROVED BY THE WICHITA-SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION, WICHITA, KANSAS. DATED THIS 15th DAY OF June, 1986.

DAVID BAYOUTH VICE-CHAIRMAN
MICHAEL E. LINDEBAK SECRETARY

THIS PLAT APPROVED AND ALL DEDICATIONS SHOWN HEREON ARE ACCEPTED BY THE CITY COMMISSION OF THE CITY OF WICHITA, KANSAS. DATED THIS 12th DAY OF July, 1986.

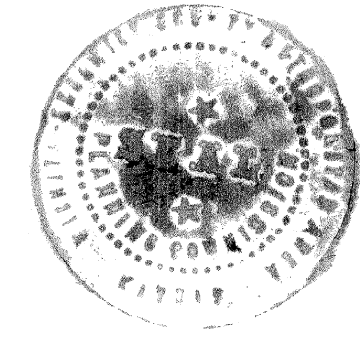
TONY CASADO MAYOR
DONALD C. GISICK CITY CLERK

ENTERED ON TRANSFER RECORD, THIS 23rd DAY OF October, 1986.

RONALD G. MILLER COUNTY CLERK
DON WRIGHT Chief Deputy

THIS IS TO CERTIFY THAT THIS INSTRUMENT WAS FILED FOR RECORD IN THE REGISTER OF DEEDS' OFFICE AT 7:00 A.M., ON THIS 23rd DAY OF OCTOBER, 1986.

PAT KETTLER REGISTER OF DEEDS
ED RESA ED RESA



Restrictive Covenant F 847 pg 483
Restrictive Covenant F 247 pg 485