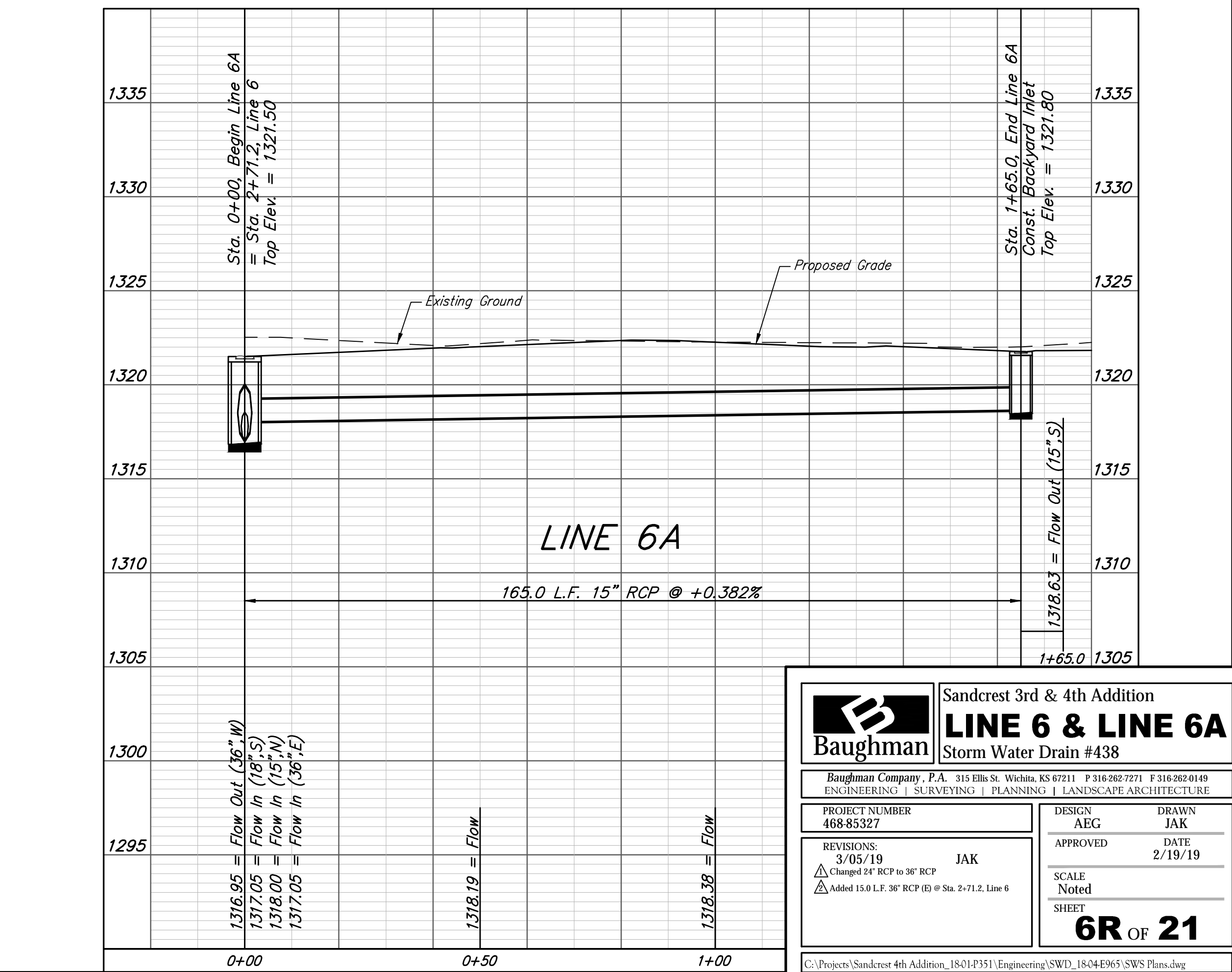
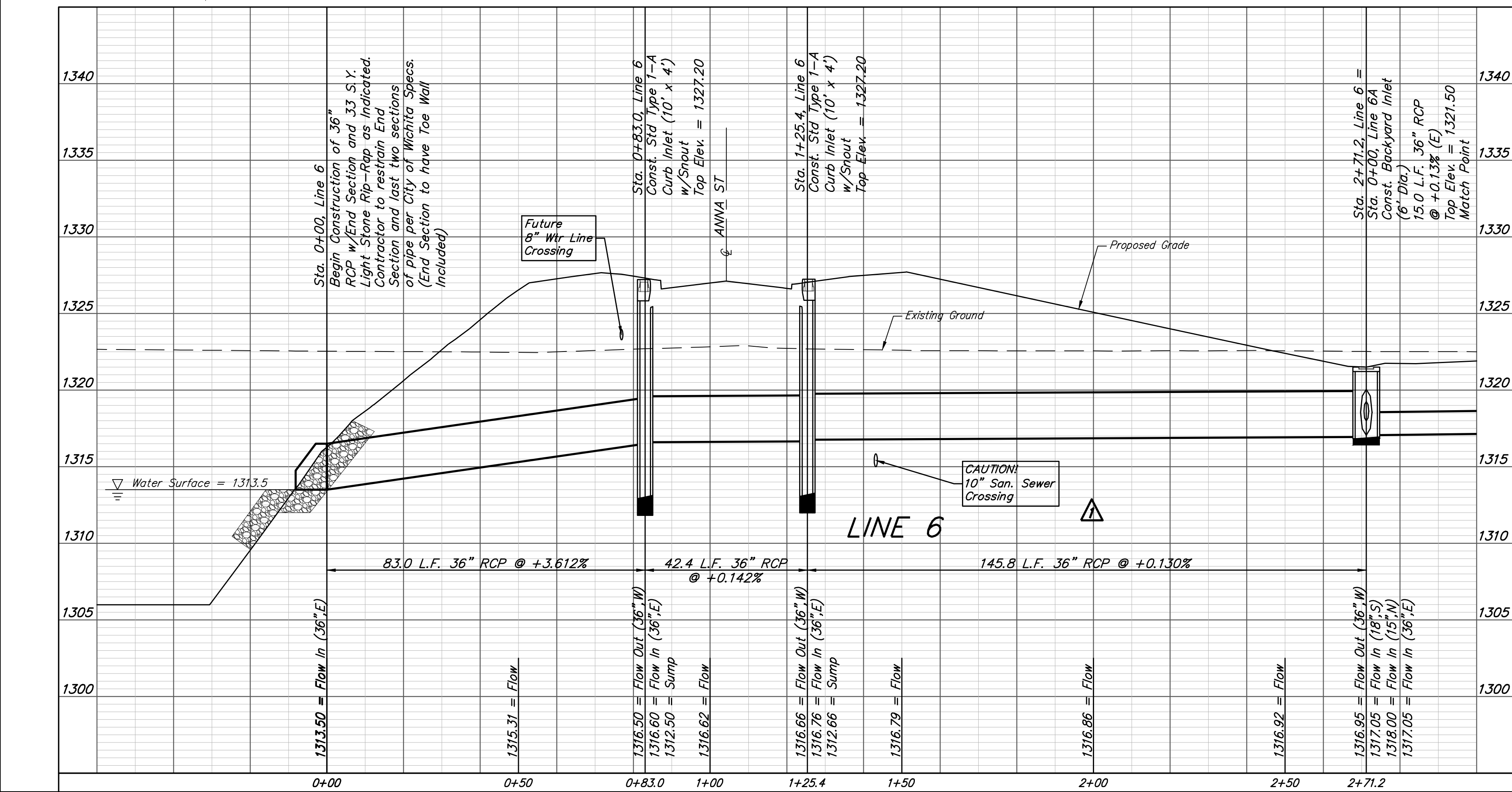
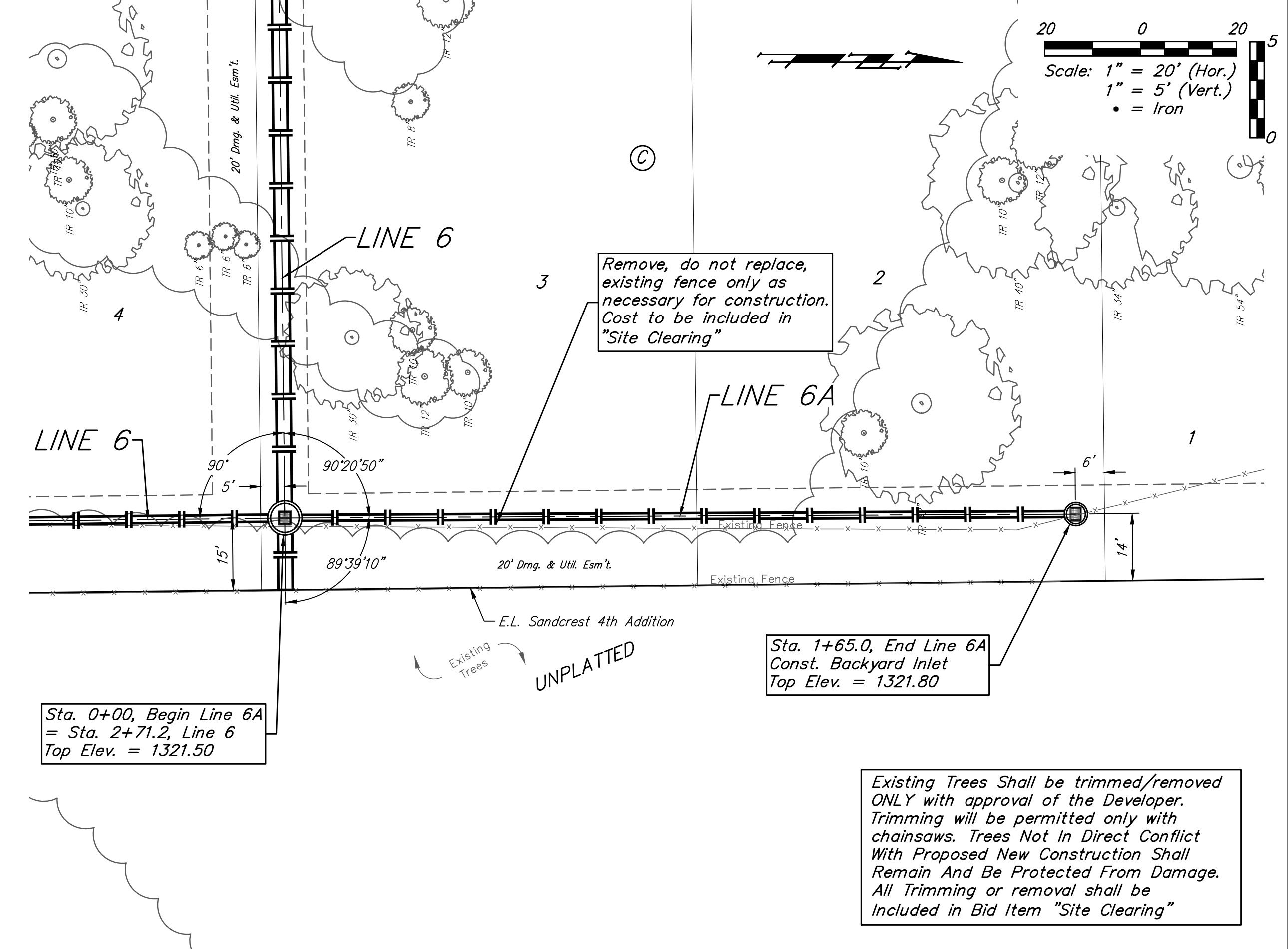
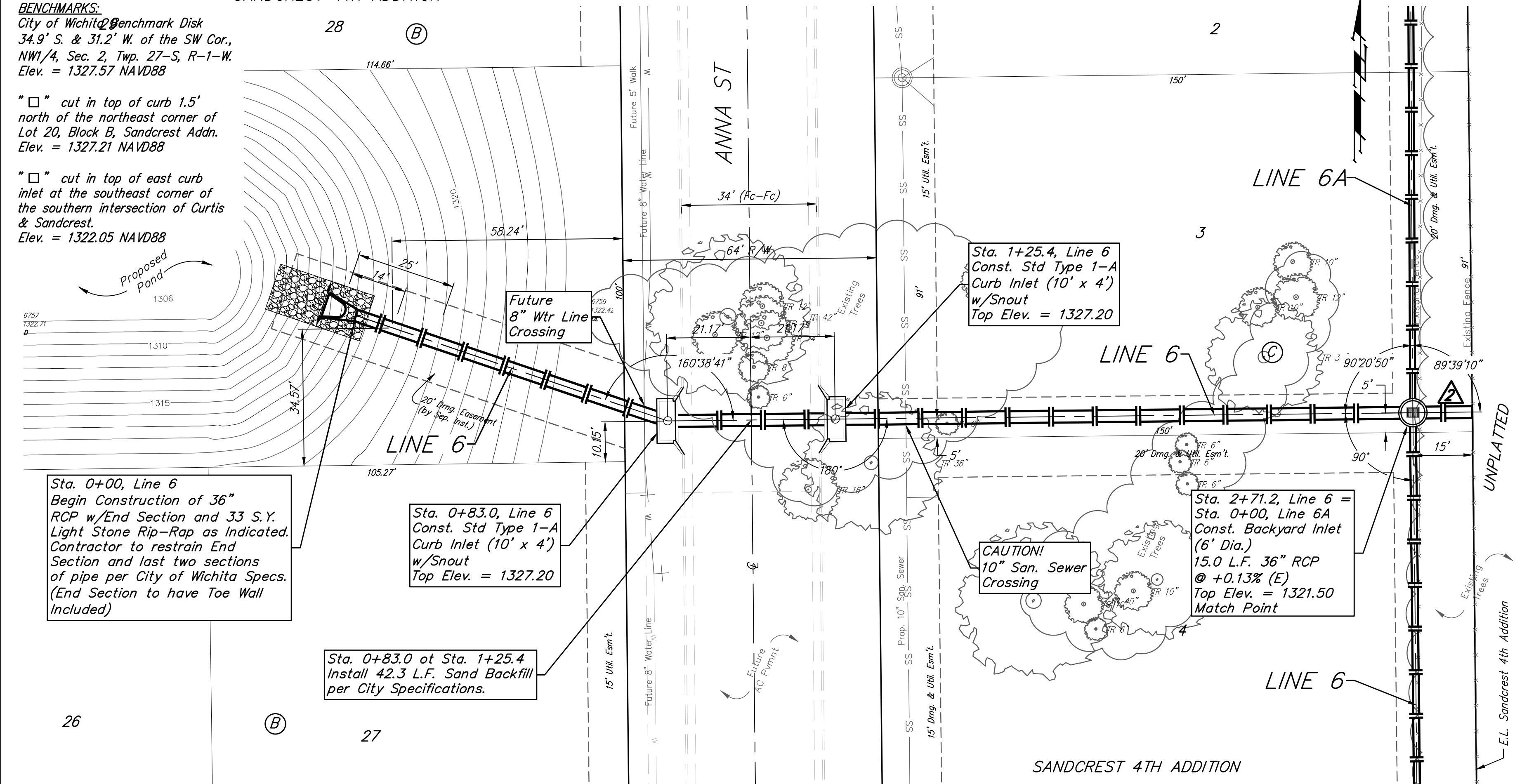


SANDCREST 4TH ADDITION

**BENCHMARKS:**  
 City of Wichita Benchmark Disk  
 34.9' S. & 31.2' W. of the SW Cor.,  
 NW1/4, Sec. 2, Twp. 27-S, R-1-W.  
 Elev. = 1327.57 NAVD88

"□" cut in top of curb 1.5'  
 north of the northeast corner of  
 Lot 20, Block B, Sandcrest Addn.  
 Elev. = 1327.21 NAVD88

"□" cut in top of east curb  
 inlet at the southeast corner of  
 the southern intersection of Curtis  
 & Sandcrest.  
 Elev. = 1322.05 NAVD88



**Baughman** Sandcrest 3rd & 4th Addition  
**LINE 6 & LINE 6A**  
 Storm Water Drain #438

Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149  
 ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER: 468-85327 DESIGN: AEG DRAWN: JAK  
 REVISIONS: 3/05/19 APPROVED: DATE: 2/19/19  
 1 Changed 24" RCP to 36" RCP JAK  
 2 Added 15.0 L.F. 36" RCP @ Sta. 2+71.2, Line 6

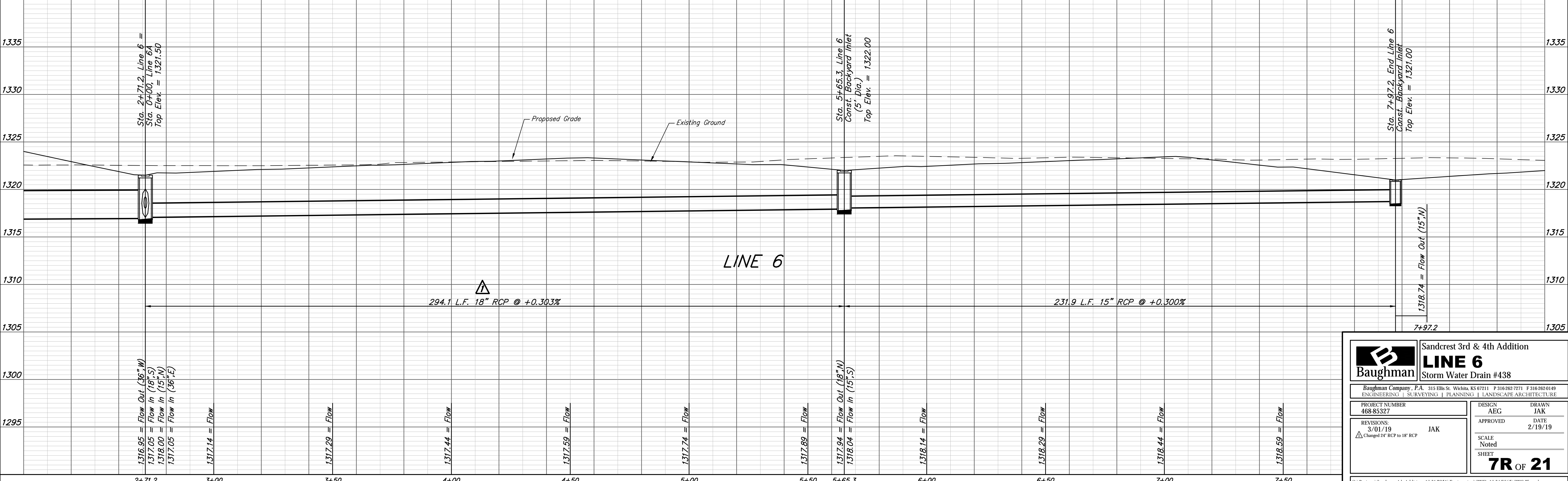
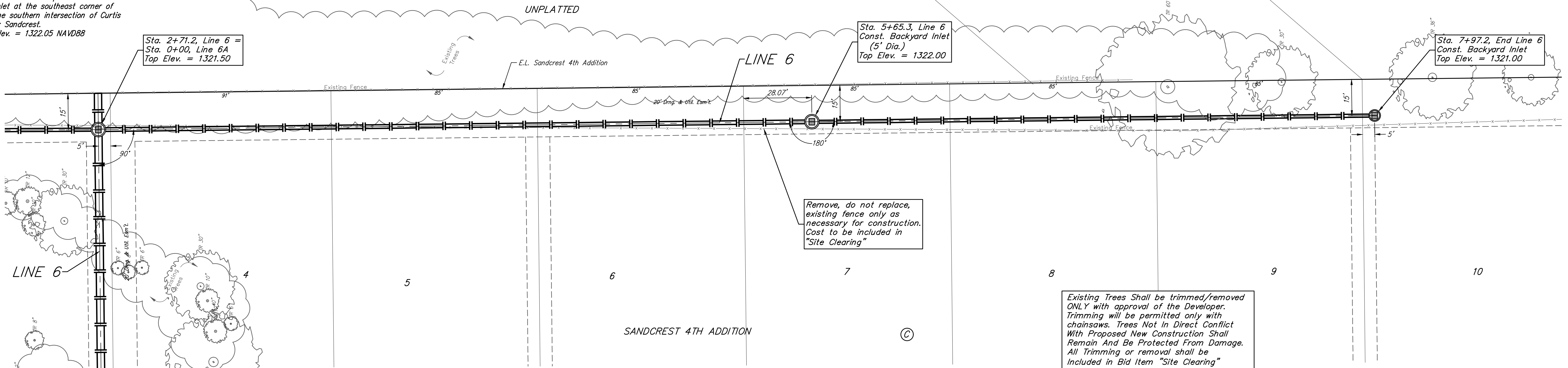
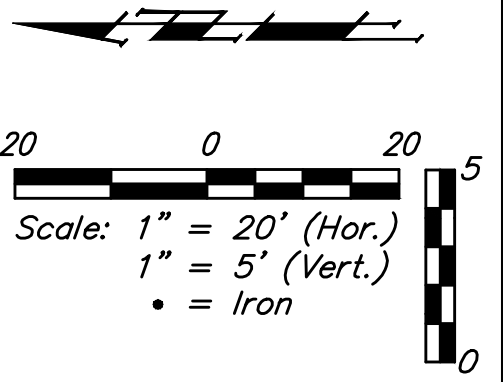
SCALE: Noted  
 SHEET: **6R OF 21**

C:\Projects\Sandcrest 4th Addition\_1801-1351\_Engineering\SWD\_1804-E063\SWS Plans.dwg

**BENCHMARKS:**  
 City of Wichita Benchmark Disk  
 34.9' S. & 31.2' W. of the SW Cor.,  
 NW1/4, Sec. 2, Twp. 27-S, R-1-W.  
 Elev. = 1327.57 NAVD88

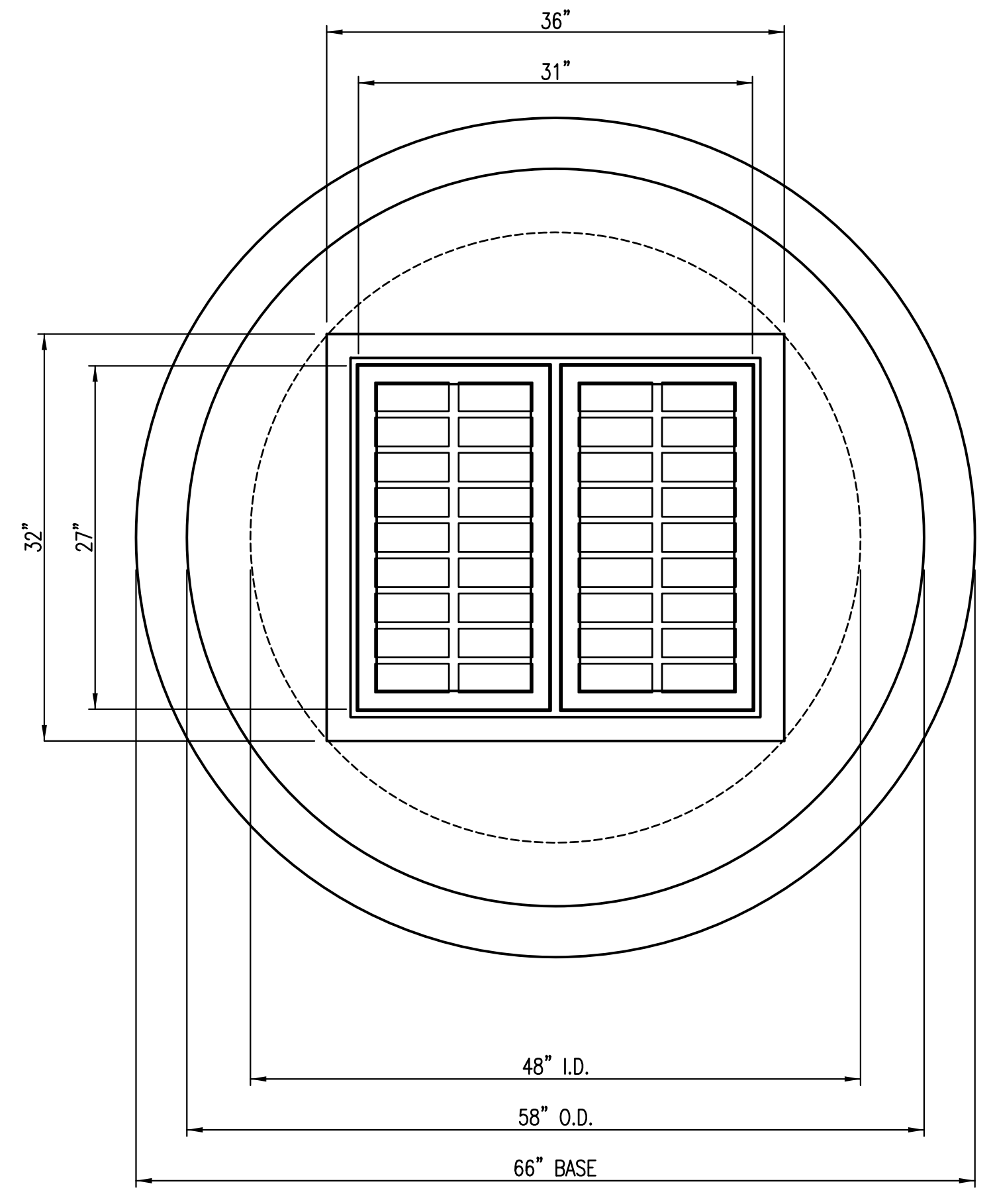
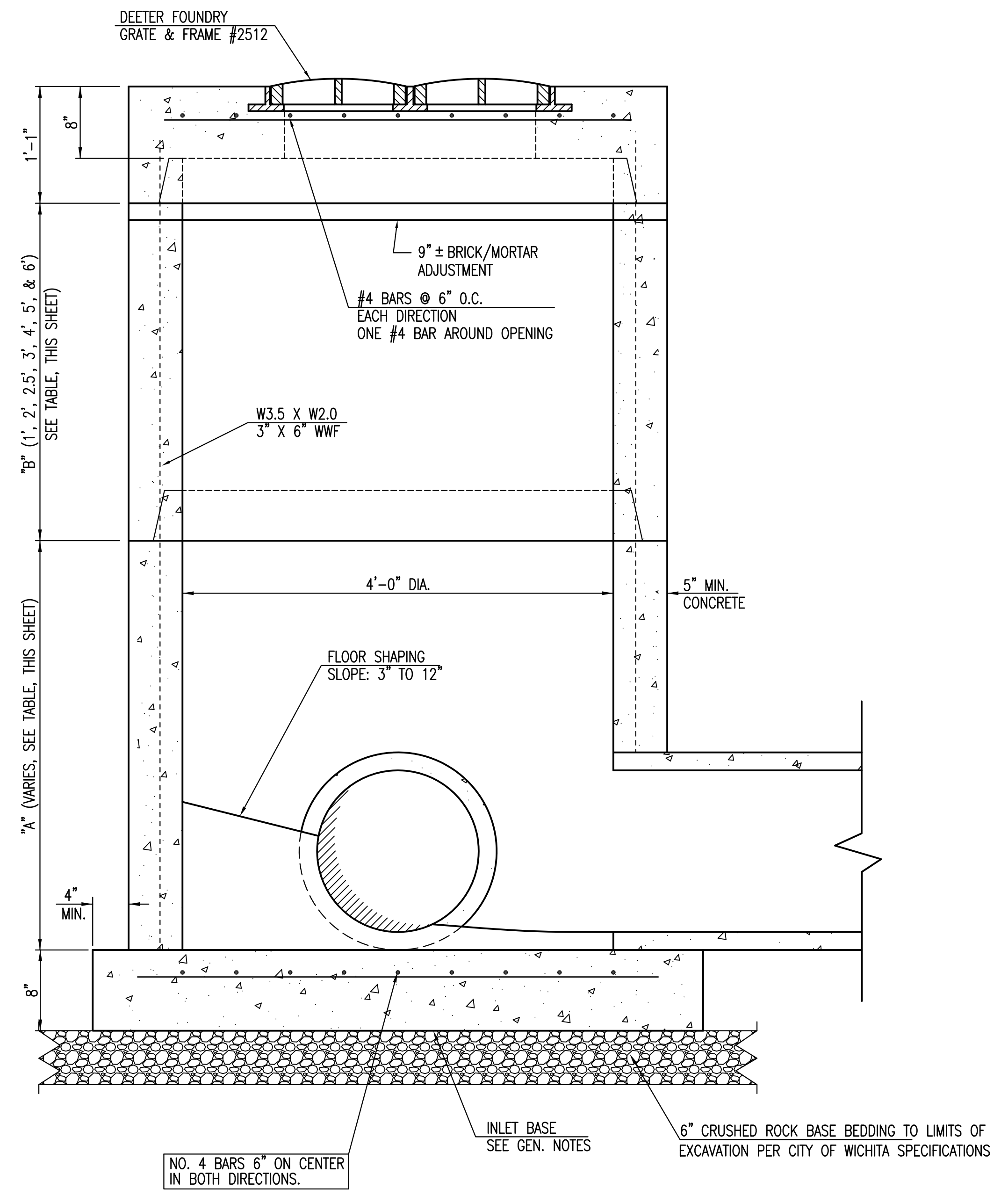
"□" cut in top of curb 1.5'  
 north of the northeast corner of  
 Lot 20, Block B, Sandcrest Addn.  
 Elev. = 1327.21 NAVD88

"□" cut in top of east curb  
 inlet at the southeast corner of  
 the southern intersection of Curtis  
 & Sandcrest.  
 Elev. = 1322.05 NAVD88



		Sandcrest 3rd & 4th Addition	
		<b>LINE 6</b>	
		Storm Water Drain #438	
<small>Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149          ENGINEERING   SURVEYING   PLANNING   LANDSCAPE ARCHITECTURE</small>			
PROJECT NUMBER <b>468-85327</b>	DESIGN AEG	DRAWN JAK	
REVISIONS: 3/01/19 Δ Changed 24" RCP to 18" RCP	APPROVED JAK	DATE 2/19/19	
SCALE Noted			
		<b>7R OF 21</b>	

BACKYARD INLETS SHALL NOT BE USED UNDER PAVEMENT

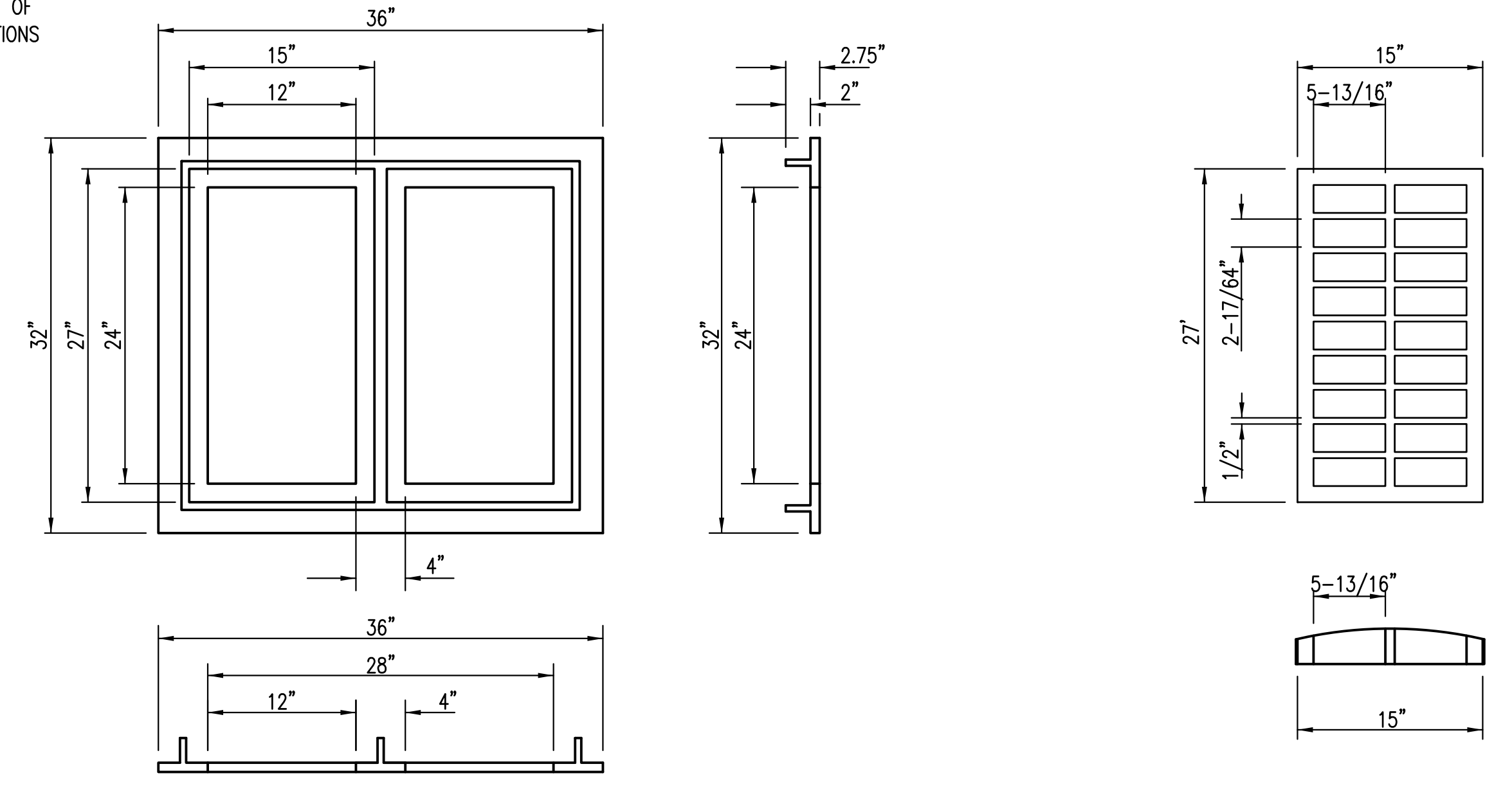


GENERAL NOTES

- MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD. CONCRETE USED IN BACKYARD INLET BASES SHALL CONFORM TO THE REQUIREMENTS FOR CONCRETE PAVEMENT CONSTRUCTION AS SPECIFIED IN THE CITY STANDARD PAVING SPECIFICATIONS USING CITY CONCRETE CEMENT MIX WITHOUT AIR ENTRAINING.
- REINFORCING STEEL SHALL BE INSTALLED IN THE BACKYARD INLET BASES AND SHALL CONSIST OF NO. 4 BARS PLACED ON 6" CENTERS IN BOTH DIRECTIONS. THE BACKYARD INLET BASE REINFORCEMENT SHALL BE PLACED 6" ABOVE THE BOTTOM OF THE BACKYARD INLET BASE. ALL COSTS FOR FURNISHING AND INSTALLING REINFORCING STEEL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE BACKYARD INLET.
- THE FLOORS OF ALL BACKYARD INLET SHALL BE SHAPED WITH FLOW CHANNELS SUCH THAT THE INLETS WILL BE SELF CLEANING AND FREE OF AREAS WHERE SOLIDS COULD BE DEPOSITED. FLOW CHANNELS SHALL BE FORMED TO MATCH THE BOTTOM HALVES OF THE INFLOWING PIPES AND THE OUTFLOWING PIPE AS SHOWN BY THE DRAWINGS. INLET 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 INLETS SHALL HAVE THE TOP HALF REMOVED TO NEAT LINES FOR THE FULL INSIDE DIAMETER OF THE INLET. INLET FLOORS SHALL THEN BE SHAPED AROUND THE BOTTOM HALF OF THE PIPE WHICH FORMS THE FLOW CHANNEL.
- PIPES INSTALLED WITHIN THE EXCAVATION MADE FOR THE INLET SHALL BE CRADLED WITH CONCRETE TO THE LIMITS OF THE INLET EXCAVATION. WHEN CLAY PIPE IS USED, THE CRADLE SHALL EXTEND TO THE FIRST JOINT OUTSIDE THE INLET. THE CRADLE SHALL BE TERMINATED AT THE CLAY PIPE JOINT IN A MANNER WHICH WILL MAINTAIN THE FLEXIBILITY OF THE JOINT. COST OF CRADLE WITHIN INLET EXCAVATION OR TO CLAY PIPE JOINTS ADJACENT TO INLET SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE INLET.
- INLET GRATE CASTINGS AND INLET FRAME CASTINGS SHALL CONFORM TO THE REQUIREMENTS AS INDICATED IN THE STANDARD SPECIFICATIONS AND AS SHOWN IN THE STANDARD DETAIL DRAWING.
- THE CROWNS OF INFLOWING PIPES SHALL NEVER BE SET LOWER THAN THE CROWN OF THE OUTFLOWING PIPE.
- JOINTS BETWEEN INLET SECTIONS TO BE SEALED WITH TWO WRAPS OF EXTRUDED BUTYL RUBBER JOINT MASTIC MEETING CITY OF WICHITA TYPE "A" MANHOLE SPECIFICATIONS.
- BACKYARD INLETS SHALL BE PAID FOR AT THE UNIT PRICE BID PER EACH. ALL STANDARD BACKYARD INLET DIAMETERS WILL BE 4'.
- CONTRACTOR SHALL REMOVE LIFTING HOOKS AFTER INSTALLATION. RECESSES IN INLET WALL SHALL BE GROUTED FLUSH TO THE INLET WALL WITH HYDRAULIC CEMENT AFTER THE INLET IS IN PLACE. LIFTING HOLES THRU THE INLET WALL WILL NOT BE ACCEPTED.

BACKYARD INLET

LINE #	STA.	TOP OF INLET	INLET FLOW	"A"	"B"
3	1+96.9	1322.30	1319.50	1.93	-
6	2+71.2	1321.50	1316.95	3.80	-
6	5+65.3	1322.00	1317.94	3.23	-
6	7+97.2	1322.50	1319.58	2.05	-
6A	1+65.0	1321.80	1318.63	2.30	-
7	0+85	1323.80	1319.97	2.96	-
8	0+00	1323.40	1317.13	3.44	2.0
8	0+98.9	1323.50	1318.26	3.37	2.0
9	0+26.2	1322.00	1316.55	3.58	2.0



DEETER #2512 CATCH BASIN INLET GRATE & FRAME

**CITY OF WICHITA**  
PUBLIC WORKS & UTILITIES  
ENGINEERING DIVISION

REVISD: MARCH 2015

**BACKYARD INLET**

CITY ENGINEER  
**GARY JANZEN, P.E.**

PROJECT NUMBER	OCA NUMBER	DATE

CITY ENGINEER'S OFFICE  
CITY HALL - SEVENTH FLOOR  
455 NORTH MAIN STREET  
WICHITA, KANSAS 67202-1620  
(316) 268-4501

SHEET  
**18R of 21**