

ACCEL & DECEL LANE IMPROVEMENTS AT

21st STREET & TYLER ROAD

PROJECT NUMBER:

472-76-245-81673-000-000-001

INDEX CODE:

763094

CITY OF WICHITA, KANSAS

Michael E. Lindebak, P.E. City Engineer

AUGUST 1995

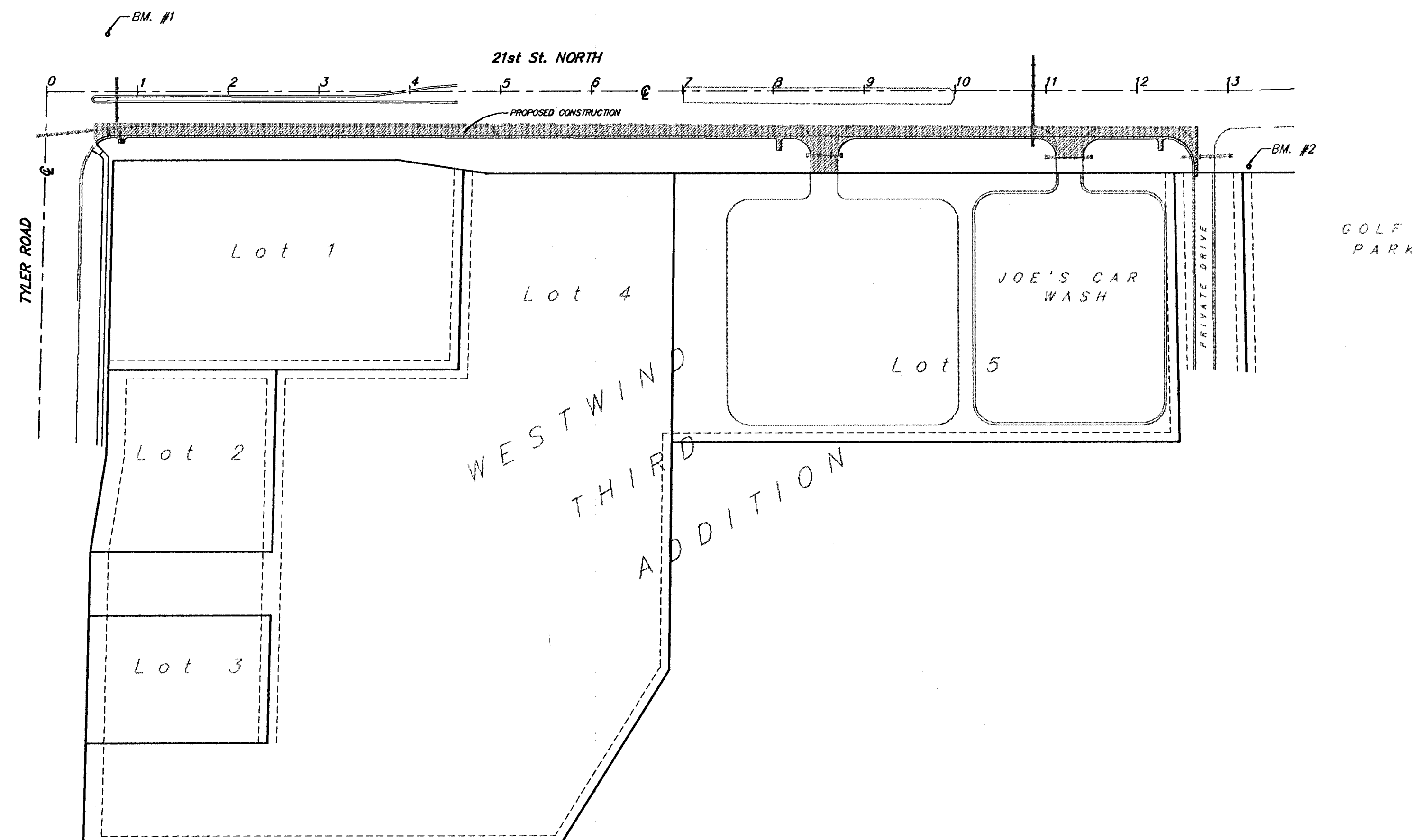
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| 1 | Title Sheet |
| 2 | Pavement Typical/Misc. Details |
| 3 | Inlet Detail |
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BENCHMARK:

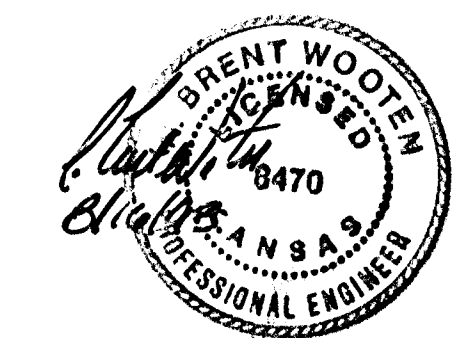
1. City Disc 73.6' N. & 53.3 E.
@ Both 21st & Tyler
Elev. = 170.95' City Datum
2. R.R. Spike in SO. Face of
Power Pole Adj. to NW. Corner
of Golf Park West Add'n.
(2'± NE. of Corner)
Elev. = 169.19' City Datum

Scale: 1" = 100'



PROJECT AREA

IMPROVEMENT DISTRICT:
Lots 1 thru 5 Westwind 3rd Addition



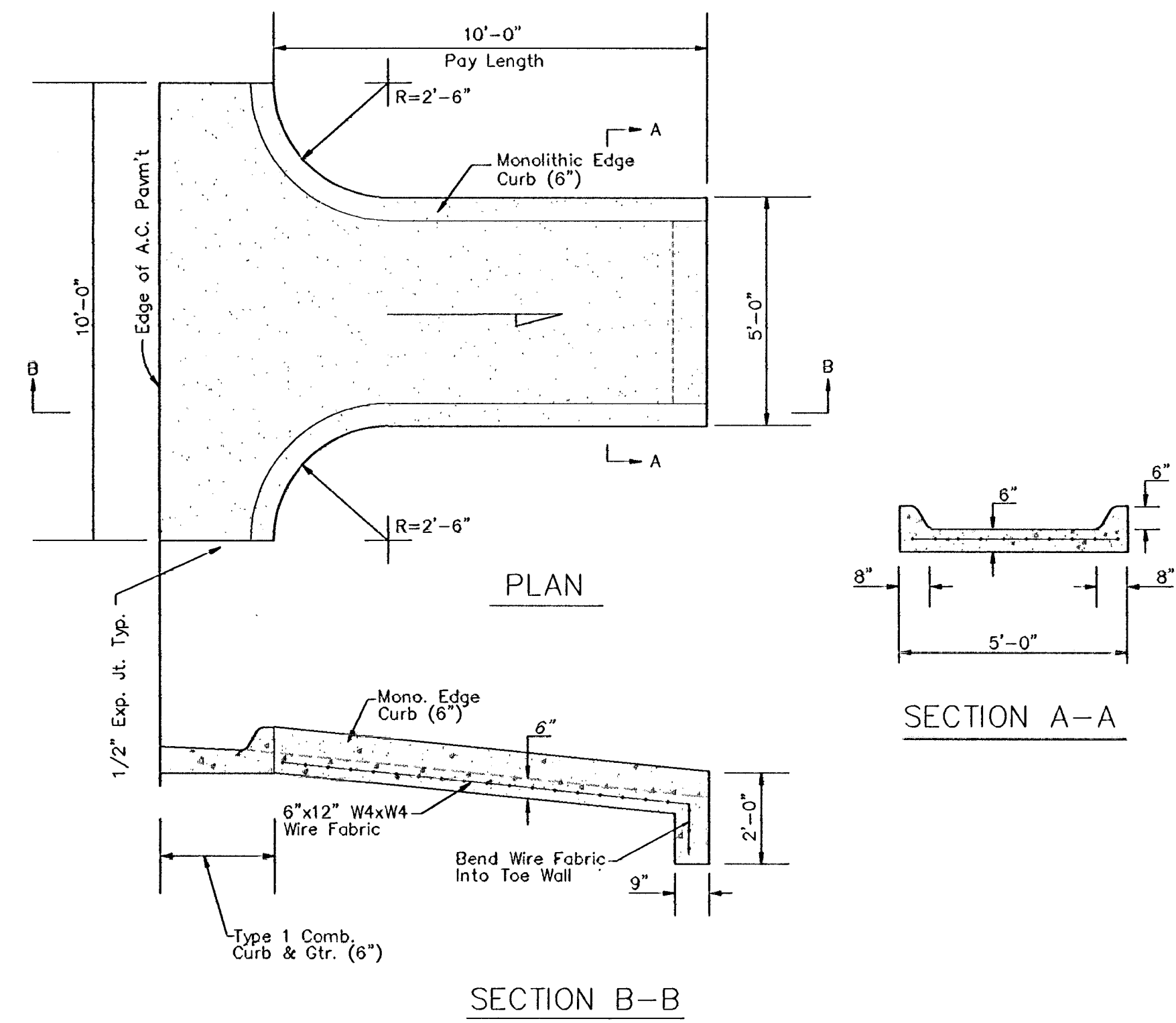
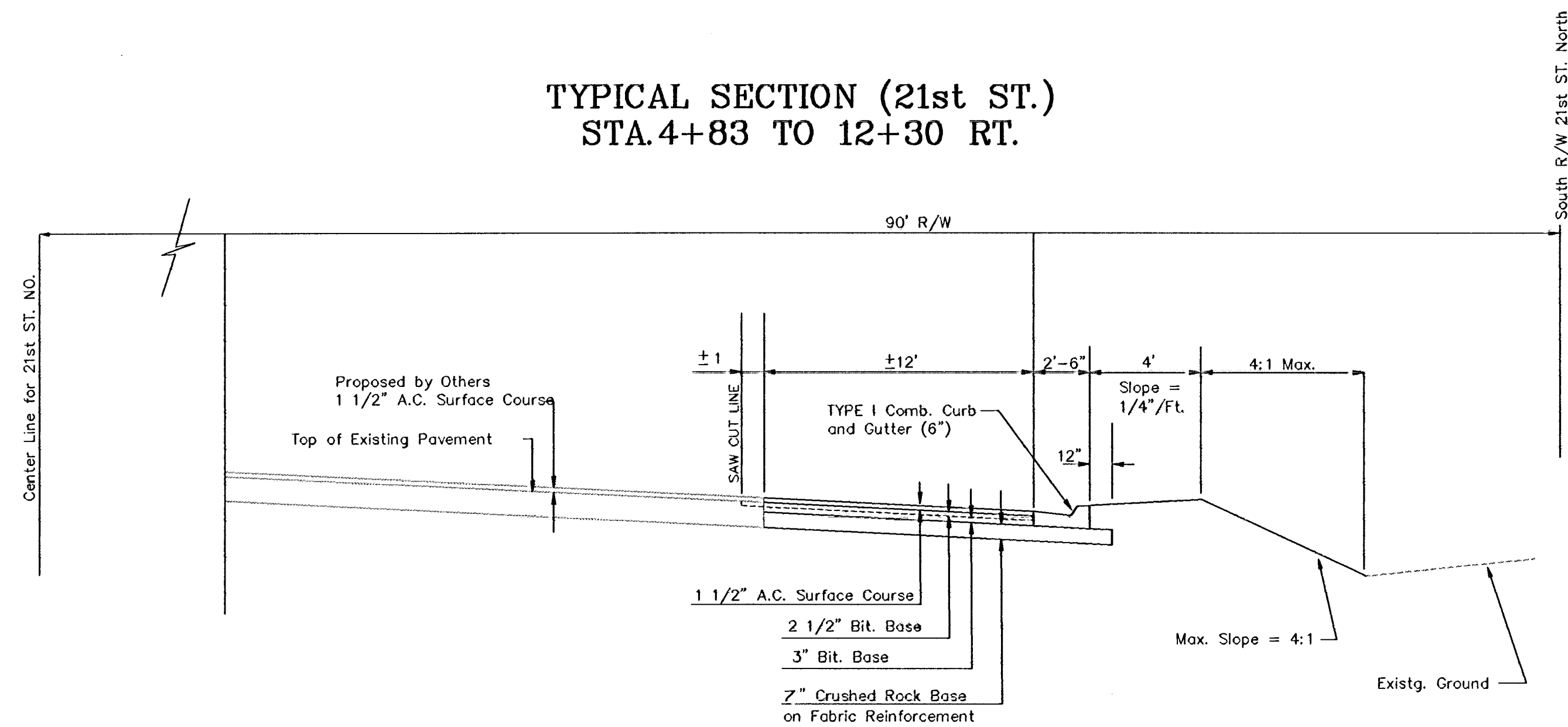
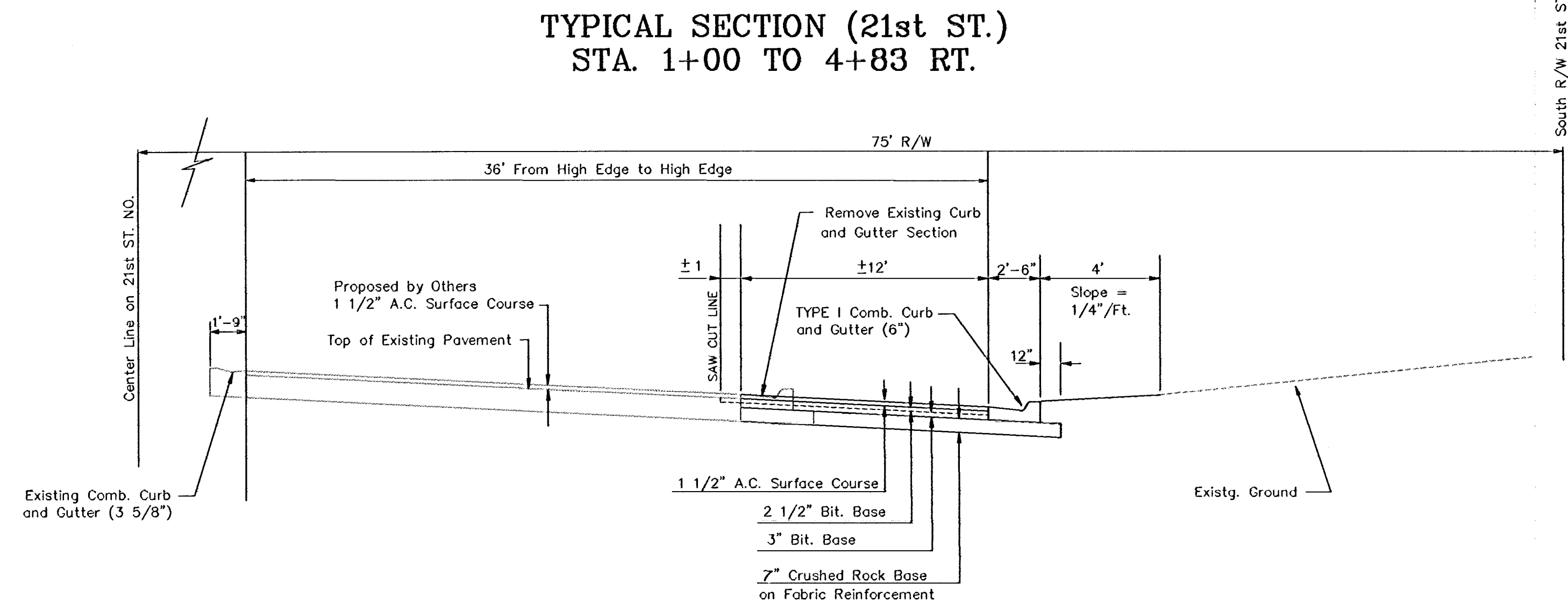
GENERAL NOTES:

1. 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. The Contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.
2. Contractor will be required to provide notice to utility companies a minimum of twenty-four (24) hours prior to any excavation, as follows:

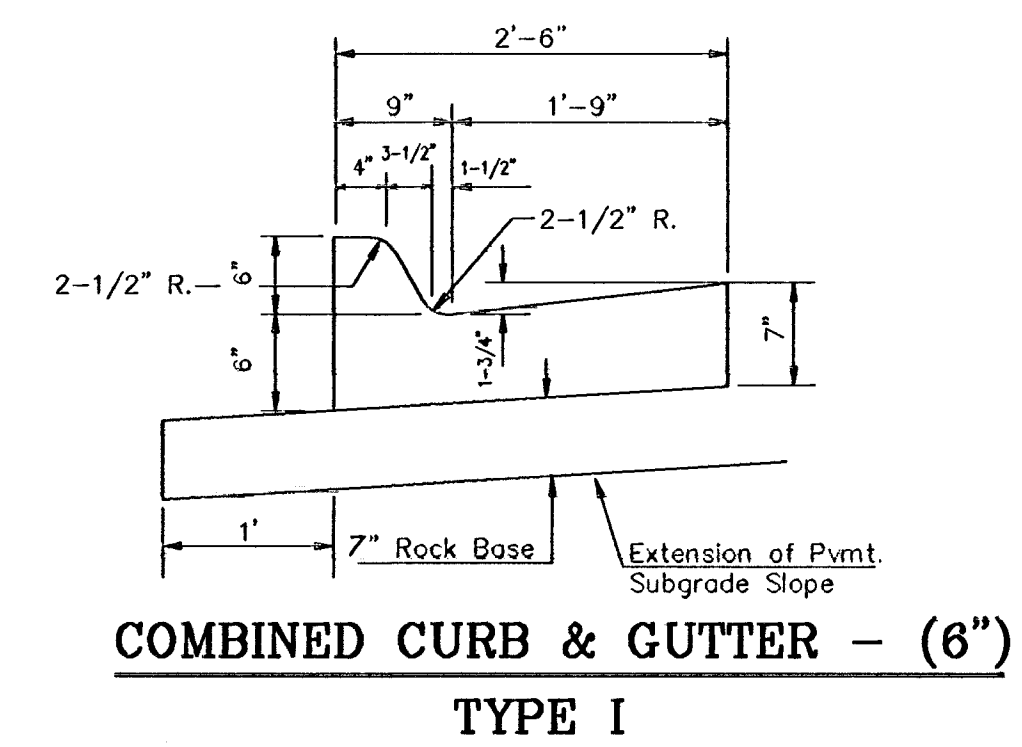
Kansas One-Call 687-2470

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

Multimedia Cablevision 262-0661
K.P.L. Gas Service Company 383-8650
Kansas Gas & Electric Company 383-8600
Peoples Gas Company 942-8350
Southwestern Bell Telephone Company 1-571-2611
City of Wichita Water Dept. 268-4908
City of Wichita Traffic Engineering 269-4446
3. 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.
4. Contractor shall not start work on the project until the project inspector is assigned to the project and is present on the site. Any work done without inspection will be required to be uncovered for inspection.
5. All areas disturbed by construction operations shall be seeded, fertilized, and mulched in accordance with the specifications.
6. 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 advance notice prior to the start of construction.
7. 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.
8. 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. Tree and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.
9. Limits of earthwork shall match existing ground elevations at the right-of-way line unless otherwise noted on the plans with a new finished grade elevation. When a new finished grade elevation is shown, the earthwork shall extend one foot beyond the right-of-way line and then sloped up or down using permissible slopes to match the existing ground surface.
10. Traffic is to be carried throughout construction of this project. Traffic is to be handled in accordance with the latest addition of the Manual on Uniform Traffic Control Devices.
11. The Contractor shall maintain access to properties abutting construction either through direct access, common access, or other provisional measures as necessary. The Contractor will be required to submit detailed information to the Construction Engineer on traffic and construction sequencing for his concurrence ten (10) days prior to the date set for the start of work.
12. Areas over excavated in pavement removal shall be filled to subgrade elevation and compacted to 95% Std. Density.
13. See companion project for 21st street striping plans.
14. L.F. of saw joint shall be incidental to project cost.



CONCRETE SLOPE DRAIN DETAIL



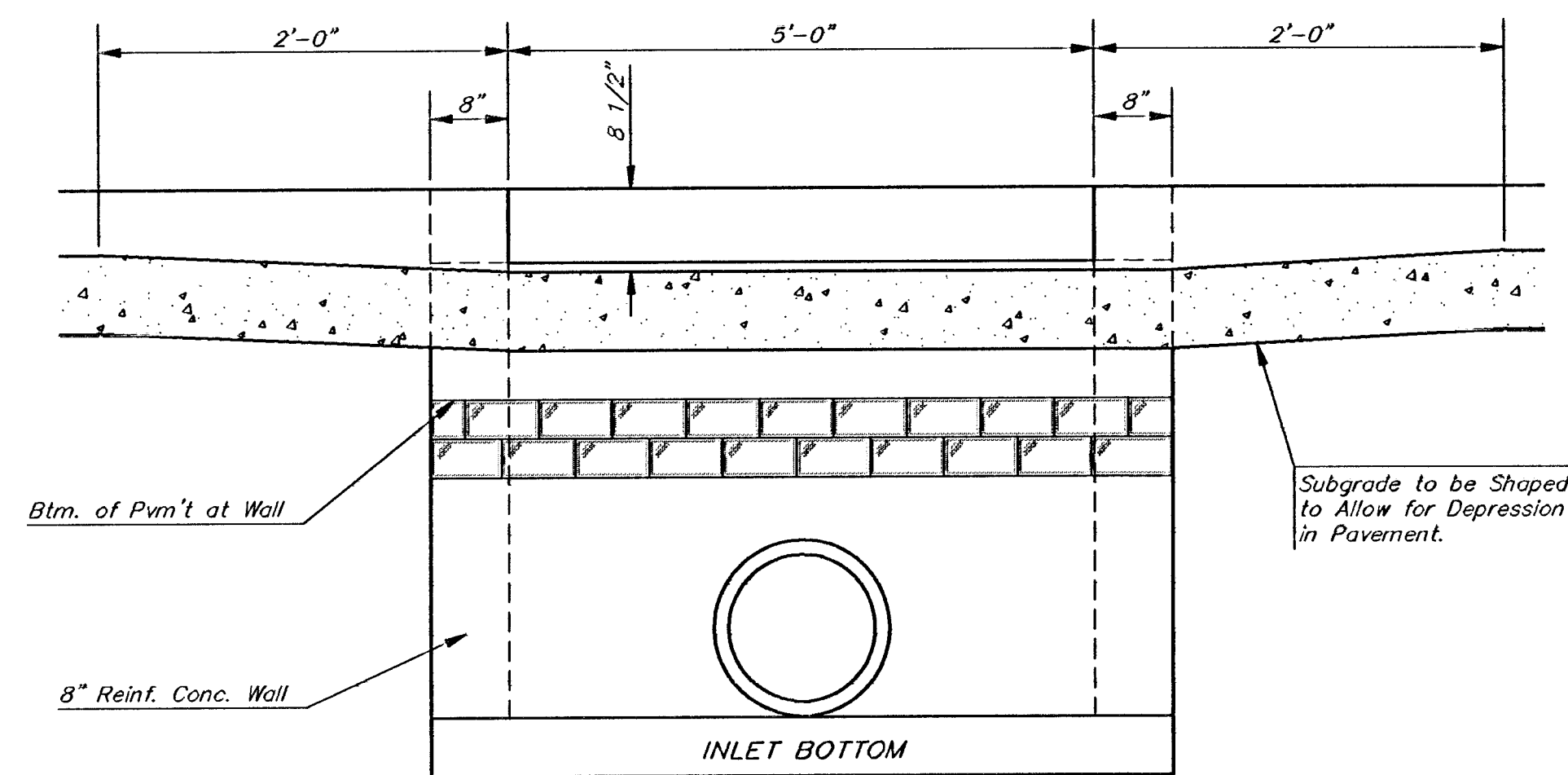
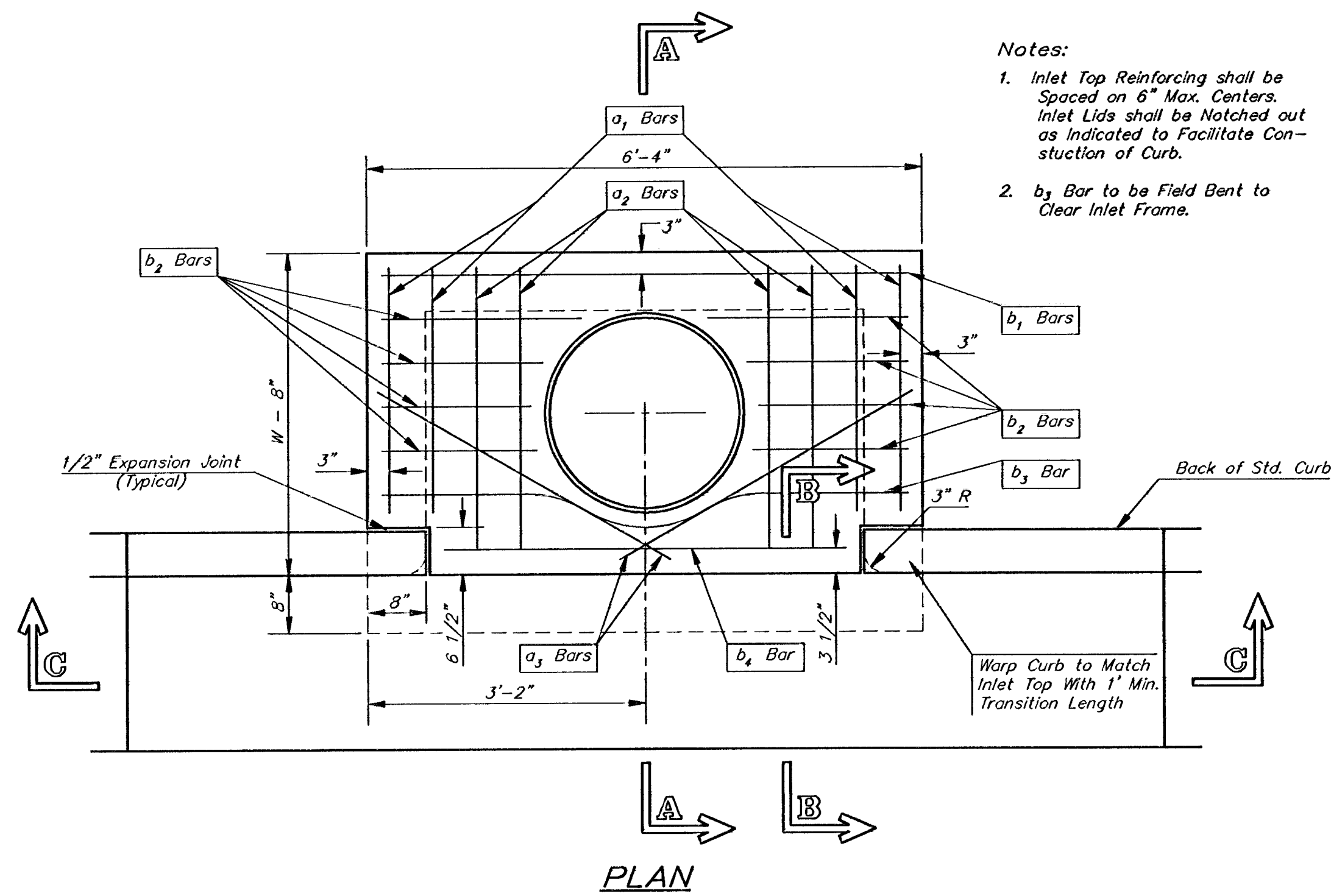
NOTE:
The 8\" rock base under valley gutter and bituminous pavement shall conform to the following limits:

Sieve Size	% Passing
2-1/2"	100
3/4"	40-80
No. 4	20-50
No. 40	6-20
No. 200	2-10

Rock quality shall conform to the requirements specified by the KDOT 1990 Edition Standard Specification, Subsection 1102 for Durability Class 1

21 ST. & TYLER RD.			
ACCEL & DECEL LANE			
BAUGHMAN COMPANY P. A.			
ENGINEERING, SURVEYING, & PLANNING			
316-282-7271 • 315 ELLIS • WICHITA, KANSAS 67211			
PROJECT NUMBER 472-76-245-81673-000-000-001		SHEET 2	
DESIGN	DRAWN RWM	APPROVED	DATE JULY 1995
		SCALE NONE	OF 8

95-03-E043 WMS/DECEL/TTP

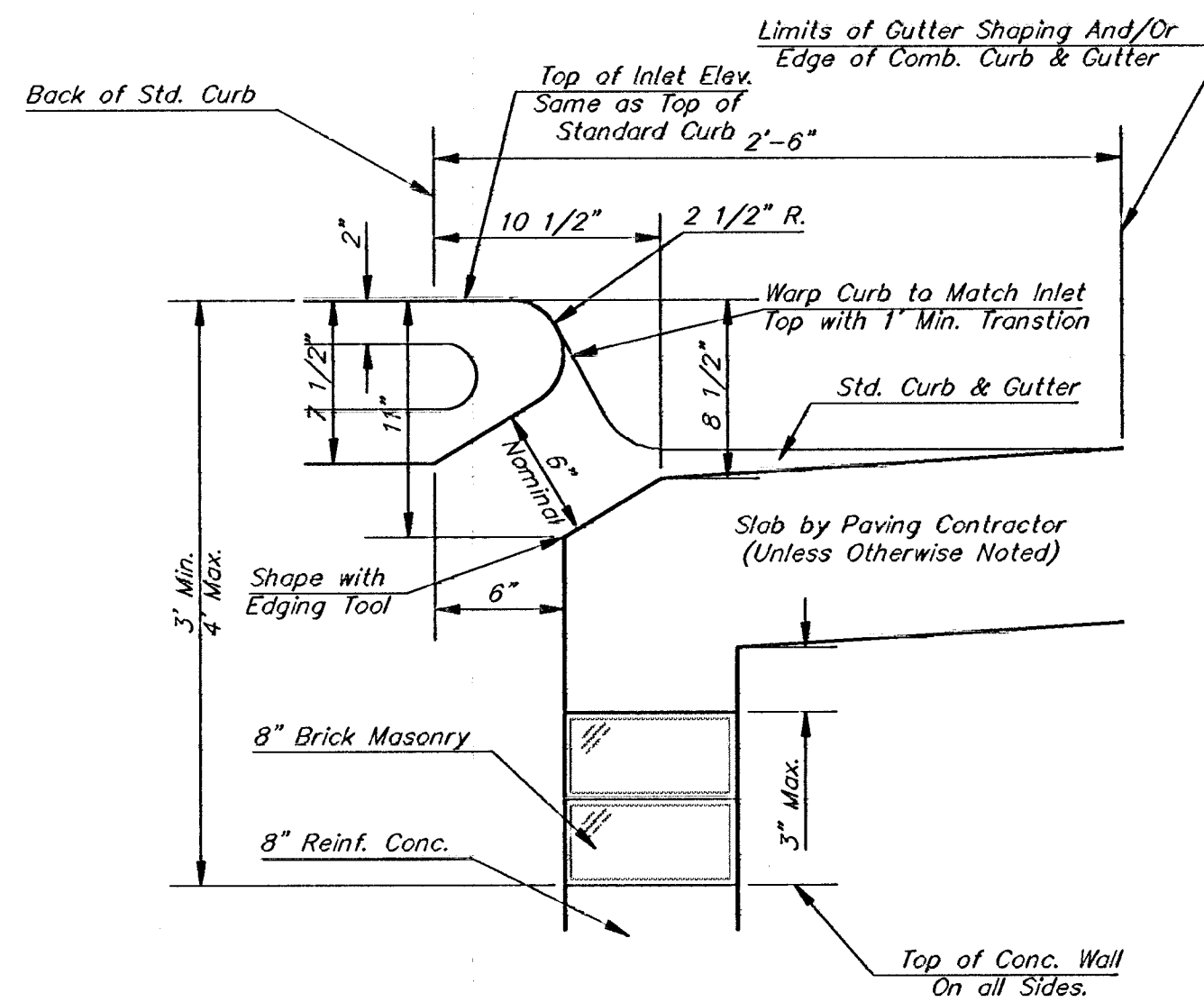
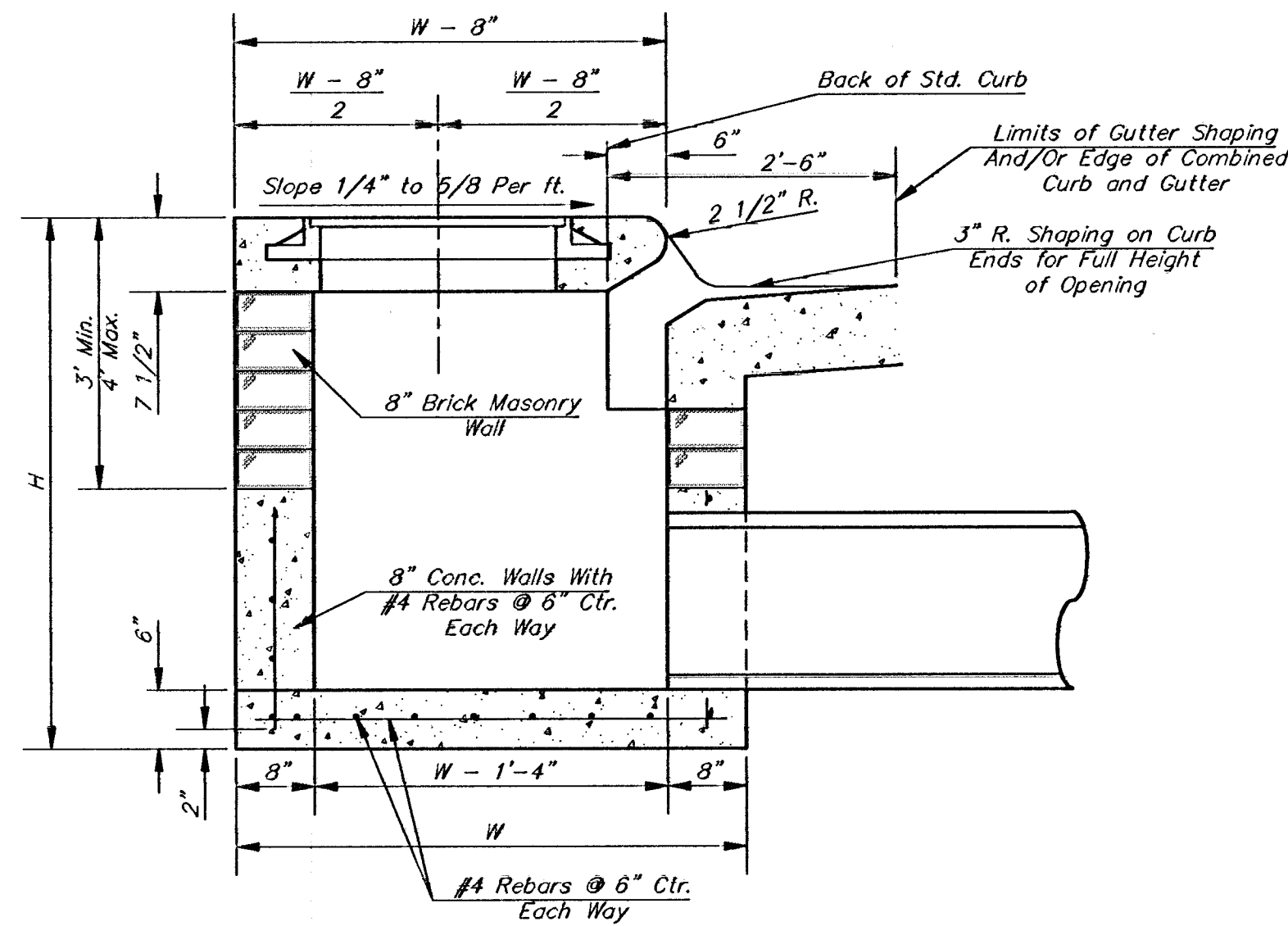


STEEL SCHEDULE

BAR		a_1	a_2	a_3	b_1				b_2	b_3	b_4	Wt. Lbs.	
					$W=4'-4"$	$W=5'-4"$	$W=6'-4"$	$W=7'-4"$	$W=8'-4"$				
NUMBER		4	4	2	1	3	5	7	9	6	1	1	
SIZE		#4	#4	#4	#4	#4	#4	#4	#4	#4	#6		
LENGTH	$W=4'-4"$	$5'-7"$	$6'-7"$	$4'-0"$	$6'-1"$	-	-	-	-	$1'-9"$	$6'-2"$	$4'-8"$	60±
	$W=5'-4"$	$7'-7"$	$8'-7"$	$5'-0"$	-	$6'-1"$	-	-	-	$1'-9"$	$6'-2"$	$4'-8"$	81±
	$W=6'-4"$	$9'-7"$	$10'-7"$	$6'-0"$	-	-	$6'-1"$	-	-	$1'-9"$	$6'-2"$	$4'-8"$	101±
	$W=7'-4"$	$11'-7"$	$12'-7"$	$7'-0"$	-	-	-	$6'-1"$	-	$1'-9"$	$6'-2"$	$4'-8"$	121±
	$W=8'-4"$	$13'-7"$	$14'-7"$	$8'-0"$	-	-	-	-	$6'-1"$	$1'-9"$	$6'-2"$	$4'-8"$	141±

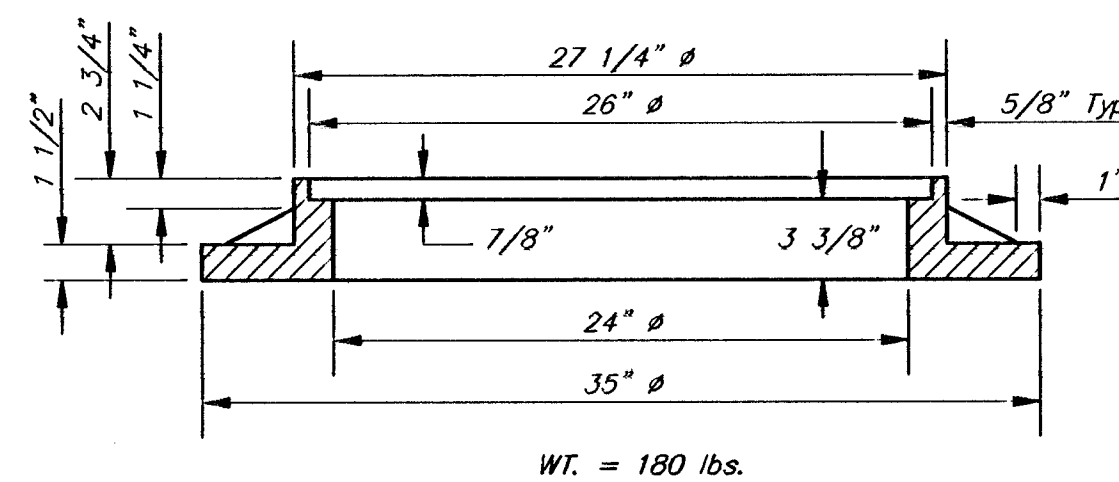
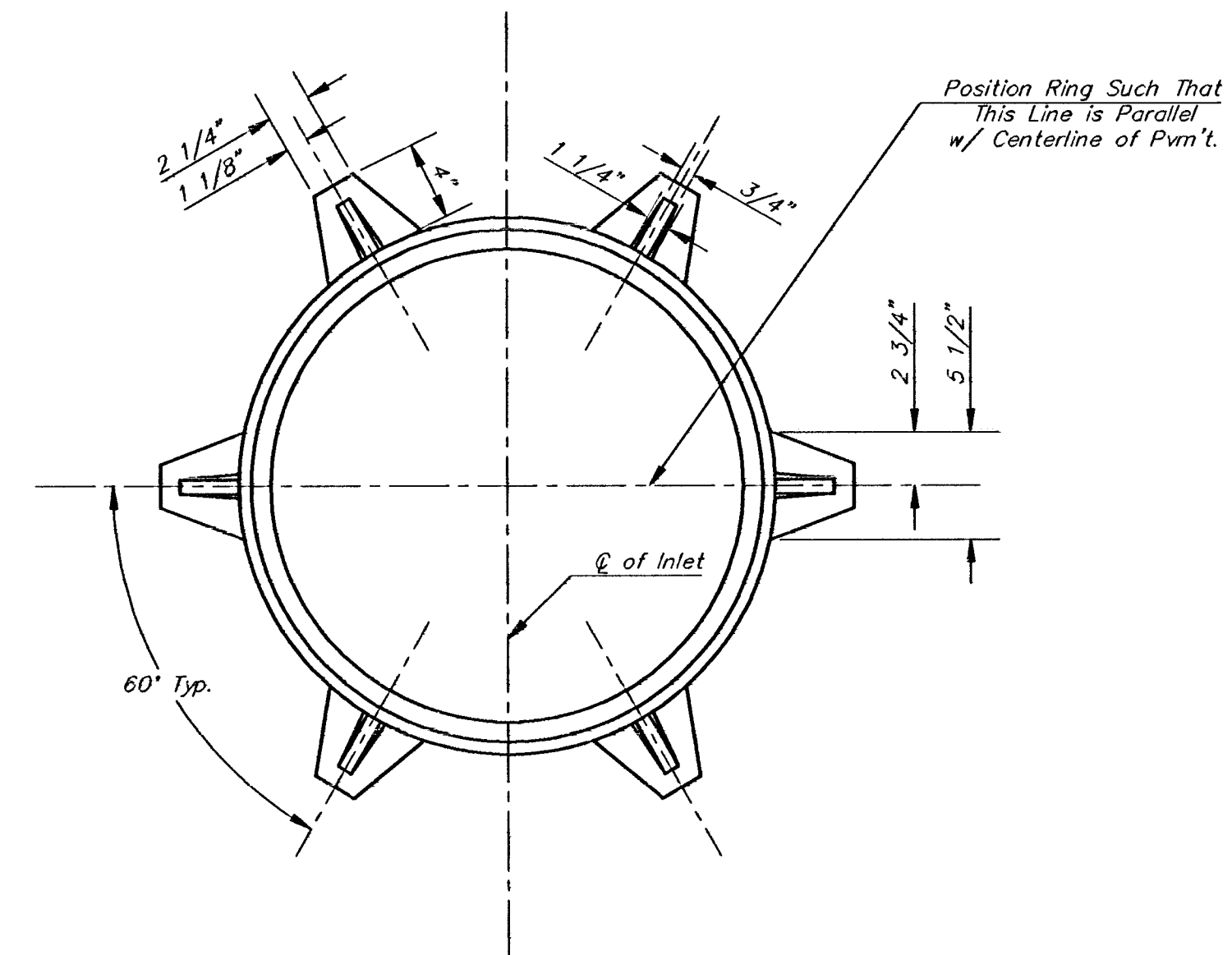
Note: a_3 Bars to be Placed Approx. 2" Below Top of Inlet Cover.

STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CUL. YD. CONC.
4'-4"	3'-8" 6'-4" 7 1/2"	21" & SMALLER	0.38±
5'-4"	4'-8" 6'-4" 7 1/2"	24" & 30"	0.51±
6'-4"	5'-8" 6'-4" 7 1/2"	36" & 42"	0.64±
7'-4"	6'-8" 6'-4" 7 1/2"	48" & 54"	0.77±
8'-4"	7'-8" 6'-4" 7 1/2"	60" & 66"	0.90±



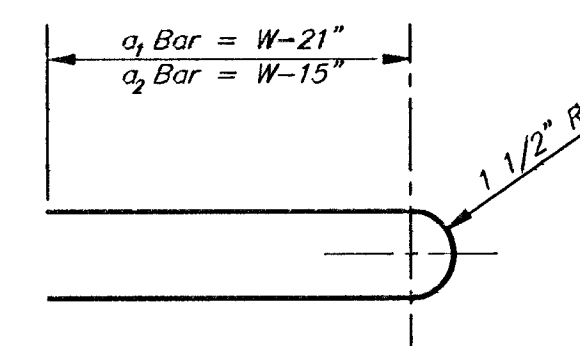
GENERAL NOTES

- Concrete tops to be installed on thin mortar cushion to insure full support along brick walls. Concrete tops may be cast in place or precast. Concrete used for inlet construction shall be concrete pavement mix.
- Contractor shall have the option of constructing 8" brick masonry walls between the concrete inlet base and top on this inlet when $W=6'-4"$ and $H=7'-0"$ or less.
- Inlet invert shall be shaped with 3 sack sand mix concrete to create flow channels and to increase hydraulic efficiency such that the inlet will be self cleaning between all inlet and/or outlet pipes.
- The ends of all pipes installed in inlets shall be cut off flush with the inside face of the inlet wall.



MANHOLE RING AND COVER

*See City of Wichita Standard Manhole Ring and Cover Detail Sheet for Cover Details to Be Used With Inlet Frame.



BENDING DIAGRAM

Revised - Dec. 21, 1984

CITY OF WICHITA STANDARD TYPE I
CURB INLET DETAILS
 INLET OPENING = 6"X5'-0"

BAUGHMAN COMPANY P. A.
 ENGINEERING, SURVEYING, & PLANNING
 316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

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DESIGN C.O.W. DRAWN STAFF APPROVED DATE SCALE SHEET **3** OF **8**

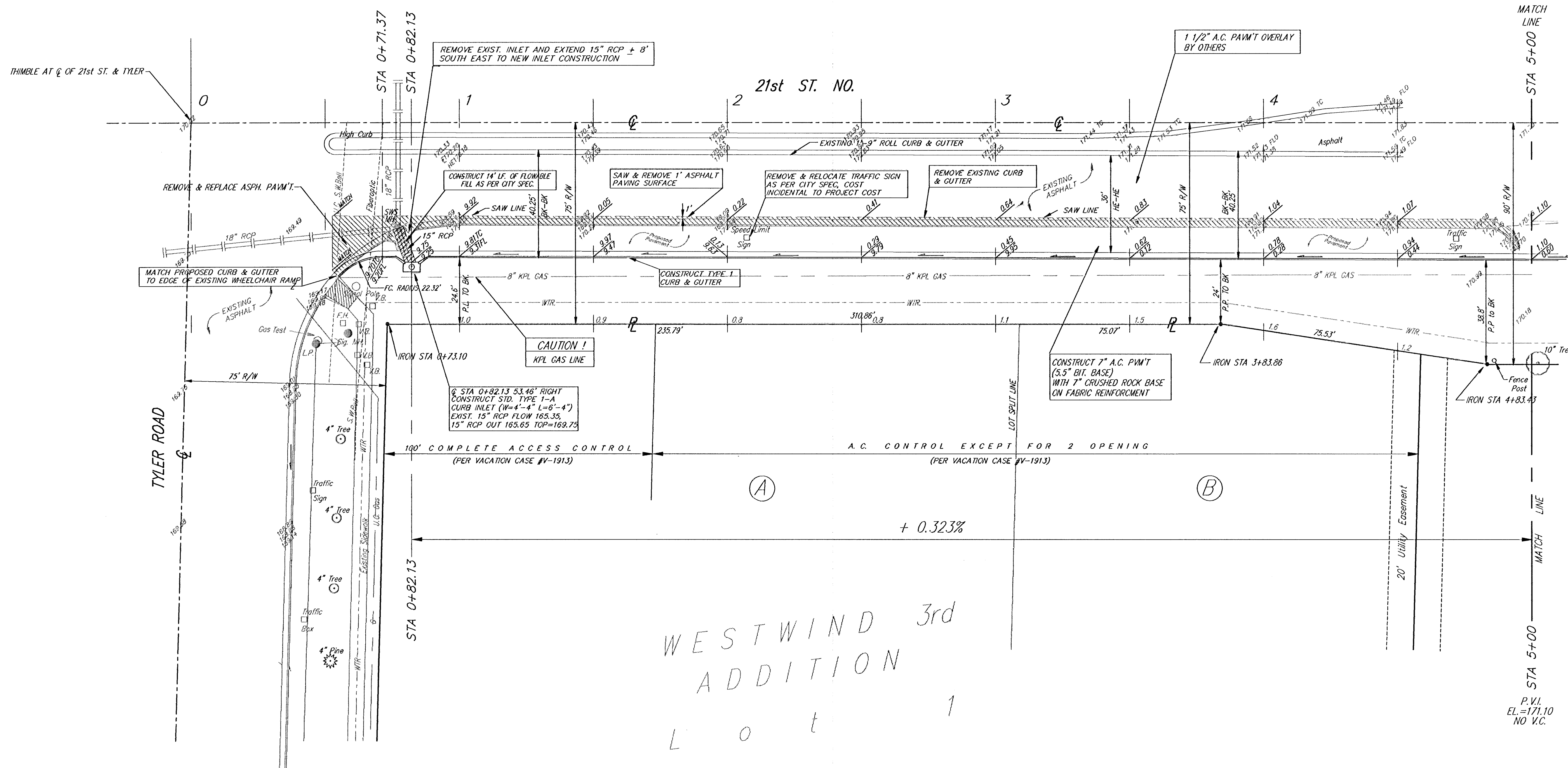
DETAILS/TYP1-5

BENCH MARKS:

1. City Disc 73.6' N. & 53.3' E.
@ Both 21st & Tyler
Elev. = 170.95' City Datum
2. R.R. Spike in S.O. Face of
Power Pole Adj. to NW. Corner
of Golf Park West Add'n.
(2'± NE. of Corner)
Elev. = 169.19' City Datum

BENCHMARK #1

Scale: 1" = 20'
● = Iron



EARTHWORK:

EXCAVATION = 846.0 CY
COMPACTED FILL = 311.5 CY

NOTE:

1 1/2" A.C. OVERLAY ON 21st ST.
TO BE CONSTRUCTED BY THE CITY
OF WICHITA'S MAINTENANCE DEPT.

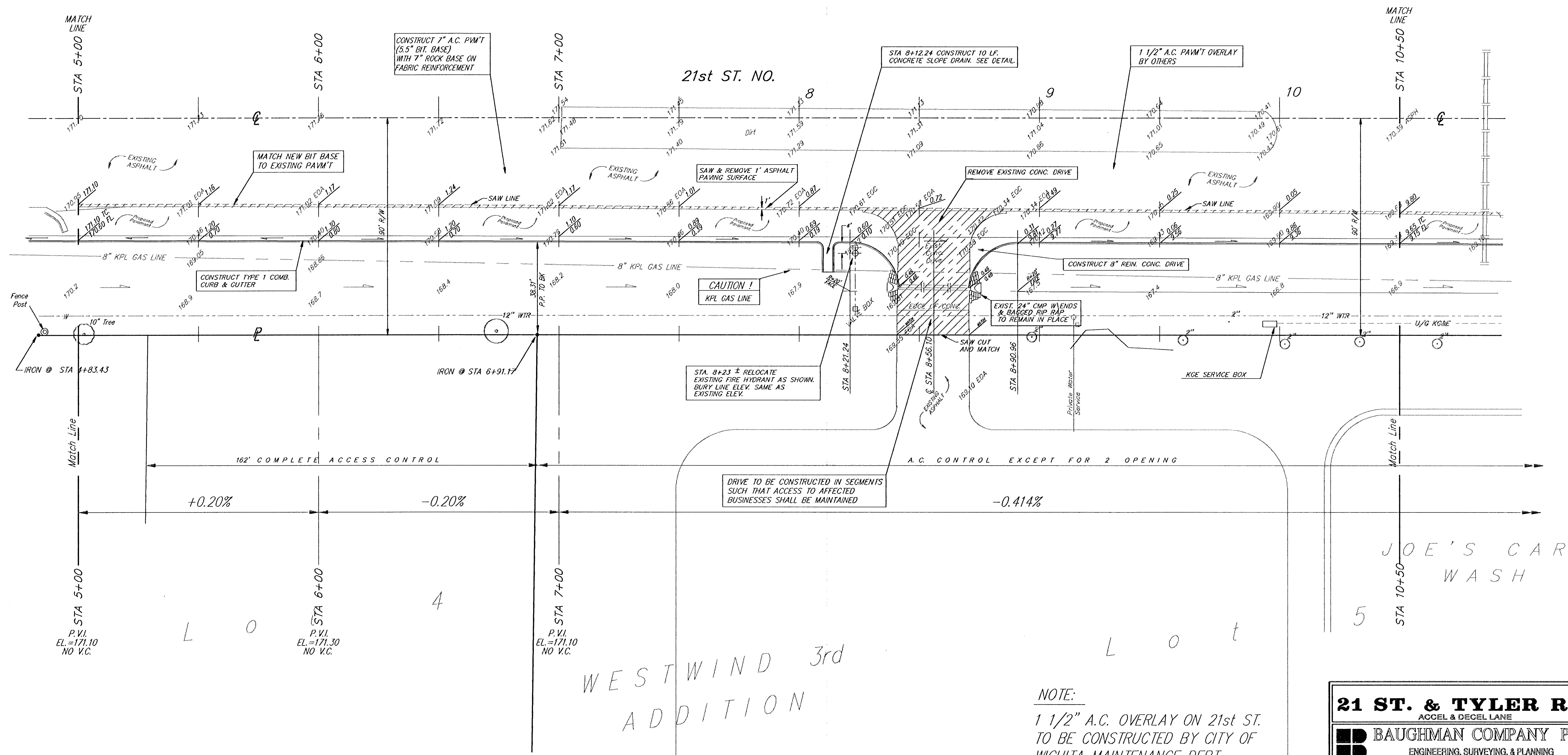
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ACCEL & DECEL LANE			
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PROJECT NUMBER		SHEET	
472-78-245-81673-000-001		4	
DESIGN	DRAWN	APPROVED	DATE
NBW	RHM		JULY 1995
SCALE		NOTED	
		OF 8	

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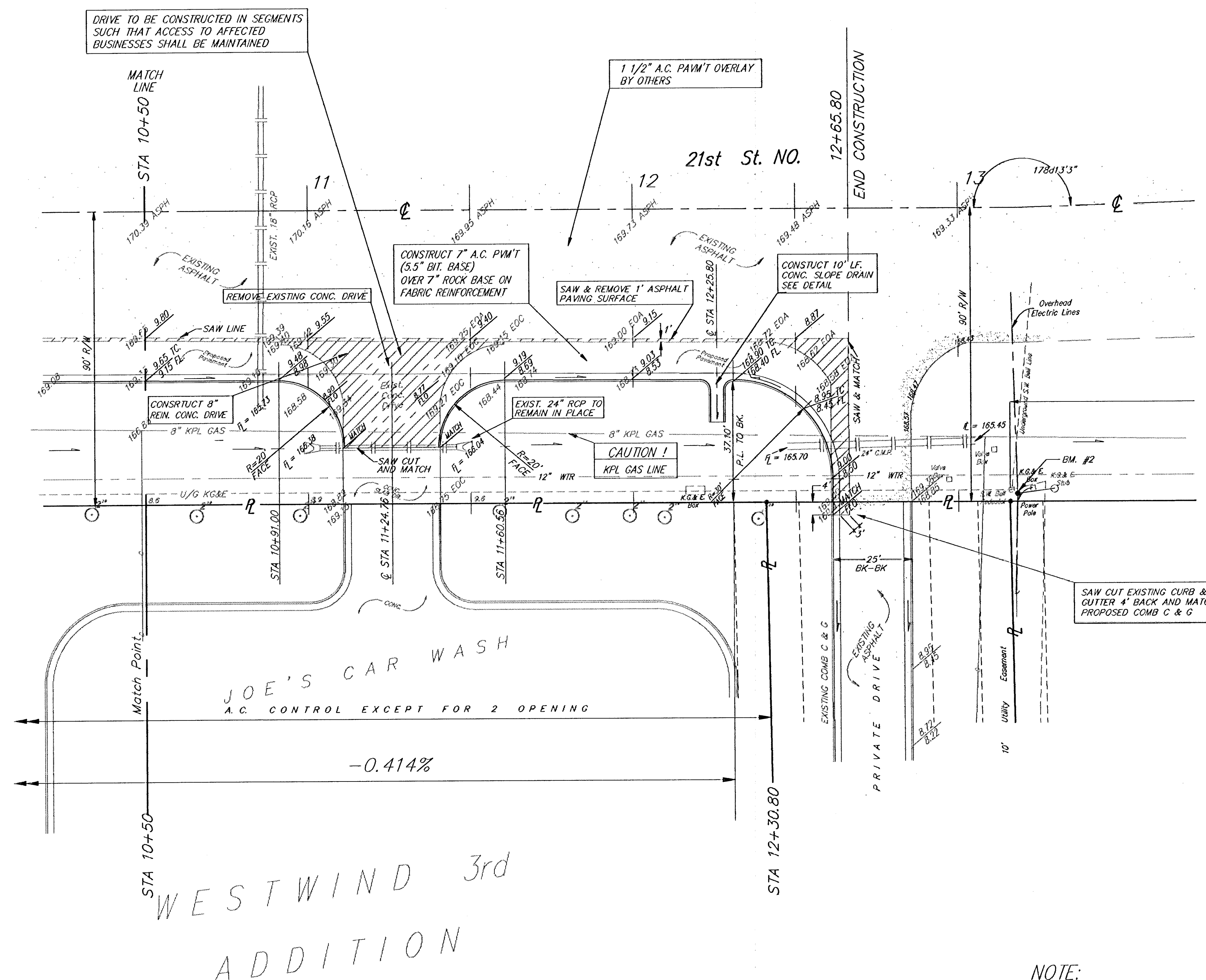
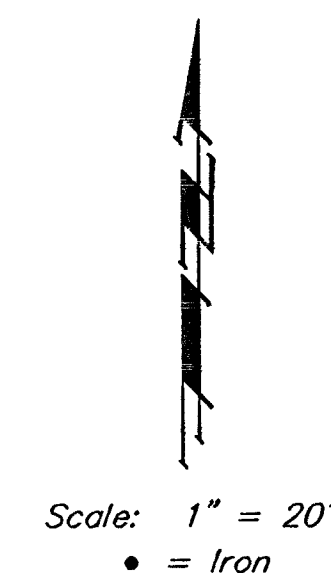
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SCALE			noted
SHEET			5
OF			8

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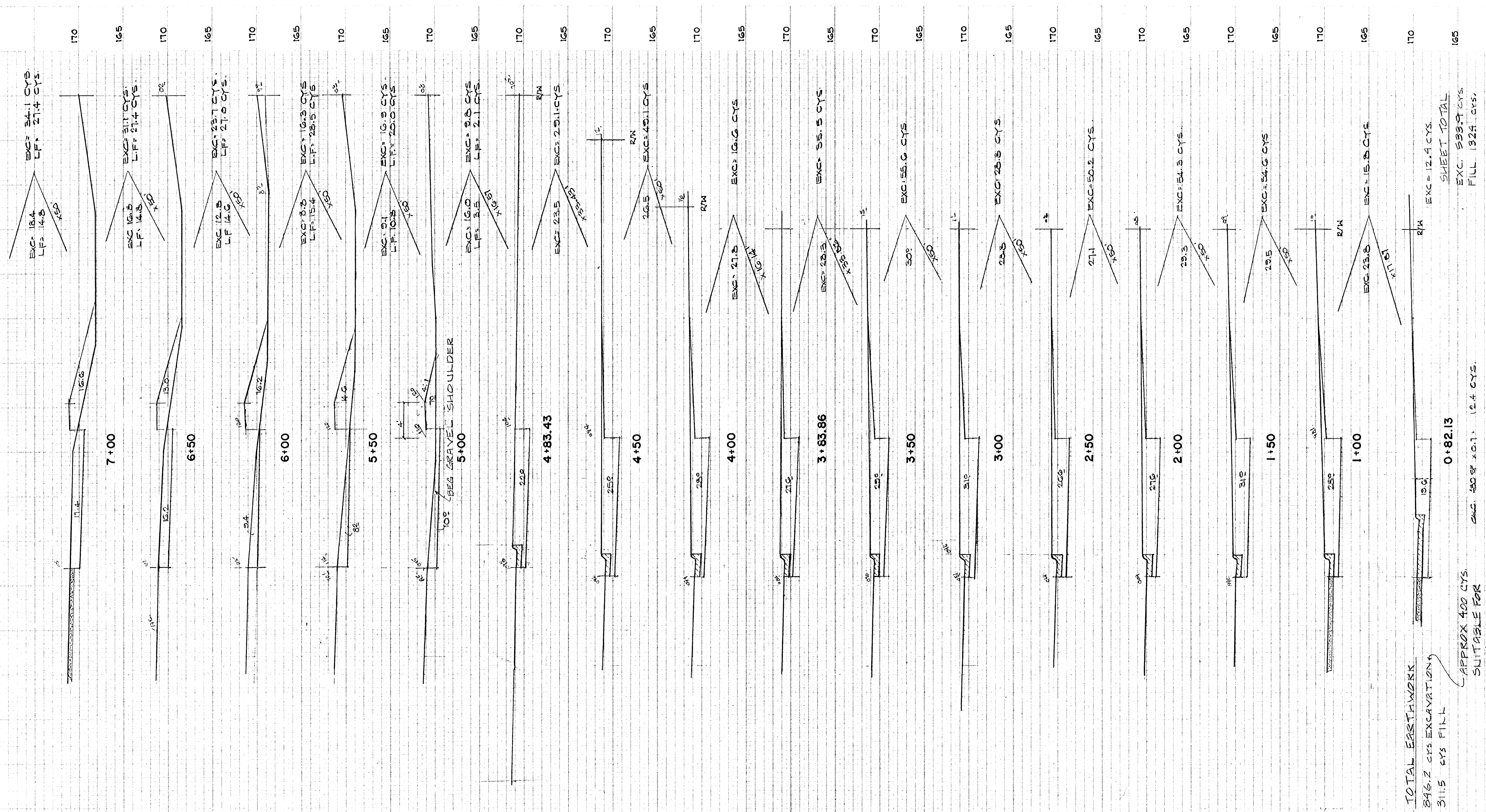
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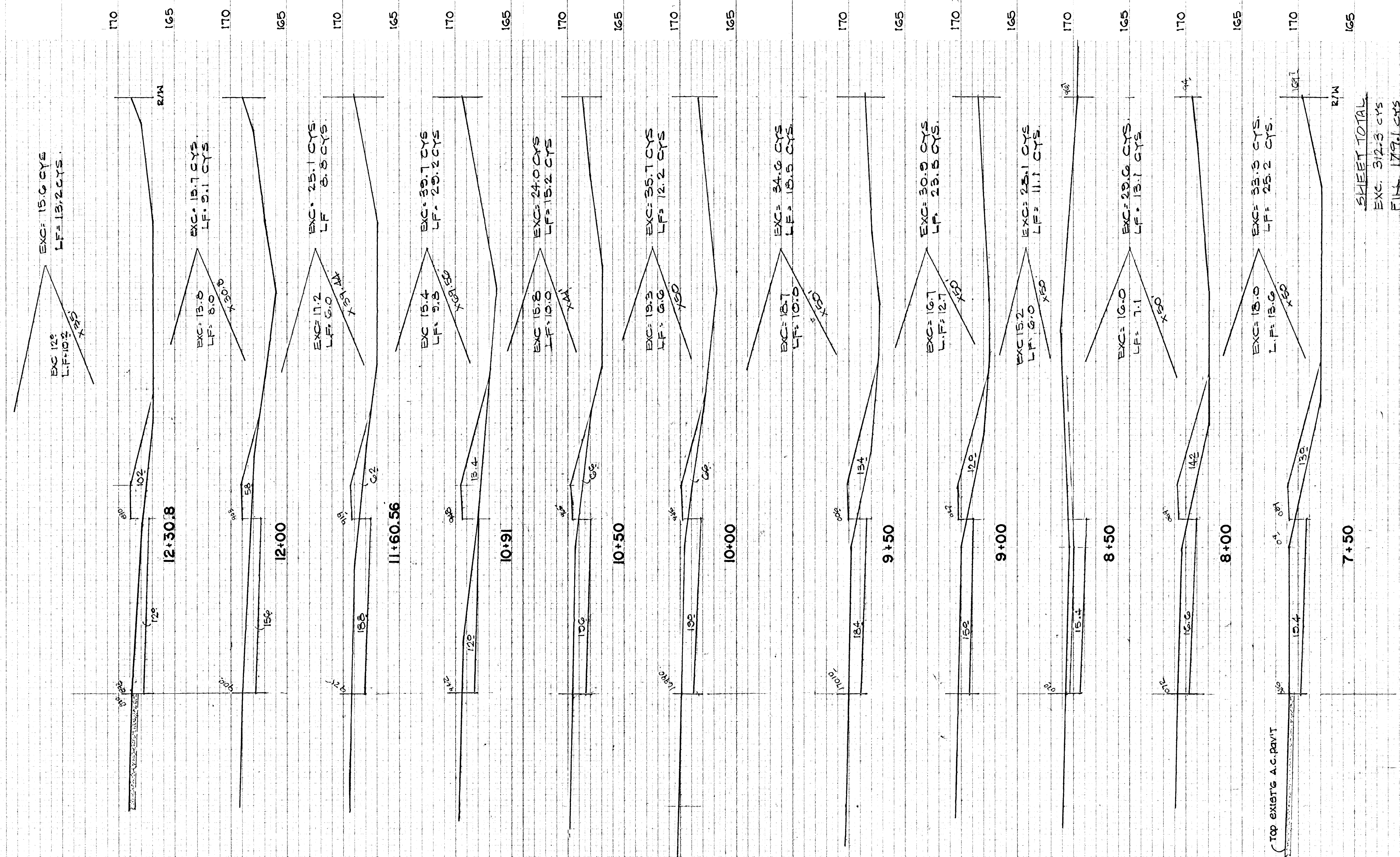
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21 ST. & TYLER RD.				
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PROJECT NUMBER 472-76-245-81673-000-001				SHEET 6
DESIGN NBW	DRAWN RWM	APPROVED	DATE JULY 1995	SCALE NOTED 8



TOTAL EARTHWORK
 846.2 CYS EXCAVATIONS
 311.5 CYS FILL
 APPROX 400 CYS
 SUITABLE FOR
 VEGETATION

SHEET TOTAL
 EXC. 593.9 CYS
 FILL 192.4 CYS



SHEET TOTAL
EXC. 312.3 cys.
FIL. 179.1 cys.

ACCEL - DECEL LANE - SOUTH SIDE 21st STREET N. To
Serve Westwind 3rd Addition.

BAUGHMAN COMPANY P. A.
ENGINEERING & SURVEYING
316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

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REV
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