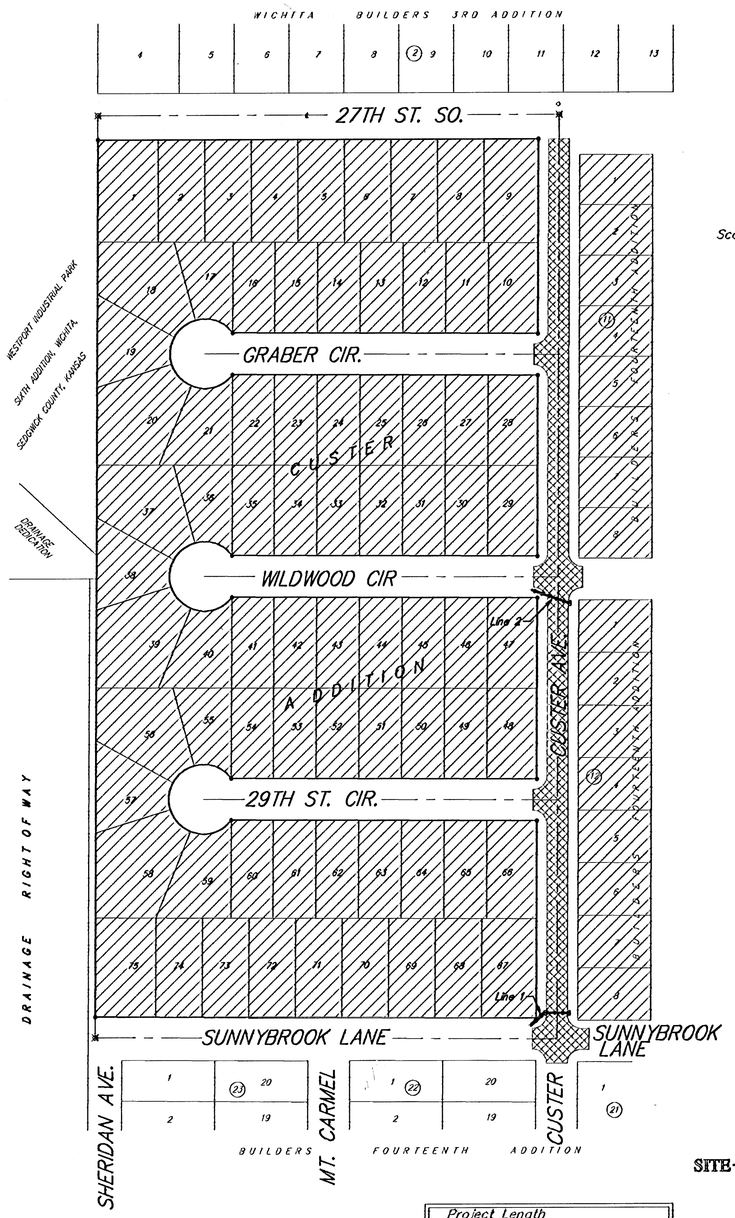


Scale: 1" = 100'

Benchmarks

BM #1 – "□" Cut in Top of Curb Located on the West Side of Custer Avenue, 33' South of NE Corner of Lot 20, Block 22, Builders Fourteenth Addition. Elev. = 100.19 (City Datum)

BM #2 – "□" Cut in Top of Curb Located on the South Side of Wildwood Lane, 31' East of NW Corner of Lot 1, Block 12, Builders Fourteenth Addition. Elev. = 101.00 (City Datum)

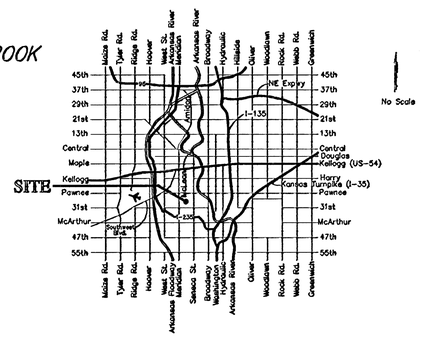
SHEET INDEX

Title Sheet	1
31' Pavement Detail	2
Sign Detail	3
Valley Gutter Detail	4
Drive Approach Detail	5
Custer Ave.	6–8
SWS Lines 1 & 2	9
Type 1 Inlet Detail	10
Earthwork Cross Sections	11–13
Copy of Plat	14

Project Length
1294 L.F. = 0.25 Miles
Total # Drives: 13

Project Earthwork Totals
Excavation = 1836 C.Y.
Loose Fill = 351 C.Y.
Compacted Fill = 0 C.Y.

Benefit District



Vicinity Map

STREET & INCIDENTAL STORM WATER SEWER IMPROVEMENTS

to serve

CUSTER ADDITION

Custer Ave.: From the South Line of 27th Street South, South to the South Line of Sunnybrook Lane
Project Number: 472-82981; Index Code 765354

CITY OF WICHITA, KANSAS

Michael E. Lindebak, P.E. City Engineer

GENERAL NOTES:

1. *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:

Coblevision	*262-4270*
or	*263-2061*
K.P.L. Gas Service Company	*283-7511*
Kansas Gas & Electric Company	*264-1141*
Peoples Nat. Gas Company	*942-8350*
Southwestern Bell Telephone Company	*1-571-2611*
City of Wichita Water Department	*268-4908*
City of Wichita Sewer Maintenance	*268-4071*

2. *Utility service lines, poles, valve boxes, meters, and etcetera 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.*

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. All disposal sites must be approved by the Kansas Department of Health and Environment. Material either stockpiles or disposed of in a flood plain would 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 would require additional archaeological investigations unless buried in a previously approved borrow location.*

4. *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.*

5. *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.*

6. *The Contractor shall adjust water valve boxes and fire hydrants as directed by the Engineer at the price bid for said adjustments. The Water Department shall field located water valves one time during construction when requested by Contractor. It shall be the Contractor's responsibility to preserve such field locations during the construction process. Water valves, water valve boxes or fire hydrants damaged during construction shall be repaired by the Contractor at his own expense.*

7. *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 law.*

8. *All areas disturbed by construction shall be seeded at 300 lbs./acre with Rye Grass immediately following construction in that area. Contractor shall prepare ground per City specifications prior to seeding.*

9. *Contractor to make arrangements for access to existing homes at all times during construction of 27th St. South and Custer Ave. Contractor to present access and phasing plan to engineer for approval prior to proceeding.*

10. *Properties within the project limits may have underground sprinkler systems in public right-of-way which conflict with new construction Contractor will be required to remove such improvements should they not be removed by their owner at the time of construction of the project. The Contractor will be required to salvage all sprinkler heads and/or valves and give such material to their owner. Portions of underground sprinkler systems not in conflict with new construction shall be protected from damage and shall remain in place. All work in connection with underground sprinkler systems shall be considered as subsidiary to the contract pay items of work.*

11. *Mailboxes within the limits of the project shall be removed and replaced by the Contractor as approved by the Engineer. Contractor will be required to make saitsfactory provisions for mail delivery to properties affected by this project during its construction. All costs associated with this shall be subsidiary to "Site Clearing & Restoration".*

12. *Driveways, when called out on the plans, will require driveway request forms to be filled out by Owners.*

DRAINAGE BOOKED 11-30-99 MCS D-445

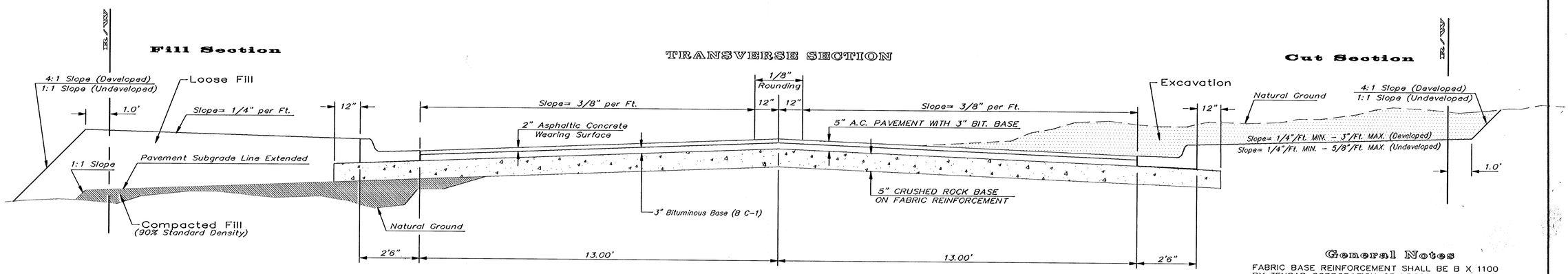


OCTOBER 1998 Custer27St.Sht1

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

TYPICAL 31' B-B PAVEMENT DETAILS

TRANSVERSE SECTION

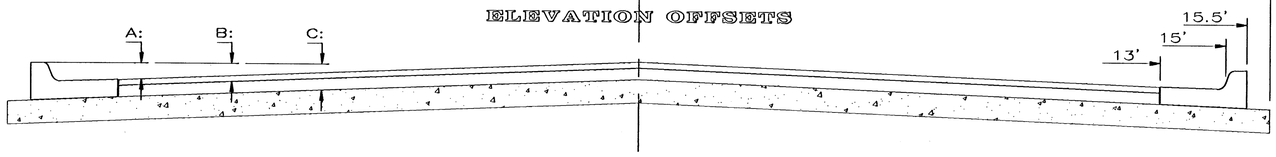


CRUSHED ROCK GRADATION REQUIREMENTS
PERCENT OF AGGREGATE RETAINED

2-1/2"	0
3/4"	20 - 60
#4	50 - 80
#40	80 - 94
#200	90 - 98

ROCK QUALITY SHALL CONFORM TO THE REQUIREMENTS SPECIFIED BE THE KDOT 1990 EDITION STANDARD SPECIFICATION SUBSECTION 1102 FOR DURABILITY CLASS I.

ELEVATION OFFSETS



	DISTANCE FROM CENTERLINE (LT. & RT.)										
	0'	2'	4'	6'	7.5'	10'	12'	13'	15'	15.5'	16.5'
A: Top of Curbs to Top of Surface Lift	0.10	0.14	0.21	0.27	0.32	0.39	0.46	0.49	–	–	–
B: Top of Curbs to Top of Upper Base Lift	0.27	0.31	0.37	0.44	0.48	0.56	0.62	0.65	–	–	–
C: Top of Curbs to Top of C.R. Subgrade	0.52	0.56	0.62	0.69	0.73	0.81	0.87	0.90	0.97	0.98	1.01

General Notes

FABRIC BASE REINFORCEMENT SHALL BE B X 1100 BY TENSAR CORPORATION OR LBO201 BY TENAX CORPORATION OR APPROVED EQUAL. FABRIC BASE REINFORCEMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

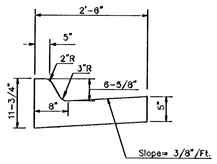
ROCK BASE IS TO BE COMPACTED AND SMOOTHED WITH A STEEL FACED ROLLER PRIOR TO PLACEMENT OF ASPHALT. TACK COAT WILL NOT BE APPLIED TO ROCK BASE.

A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.

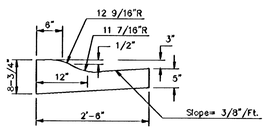
BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.

CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF ONE (1) FOOT FROM JOINTS IN PRECEDING LIFTS AND PLACED SO THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE OF THE TOP LIFT.

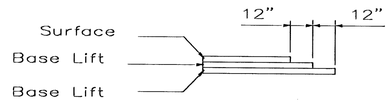
THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 5" ASPHALTIC CONCRETE (3" BITUMINOUS BASE.)



COMBINED CURB & GUTTER

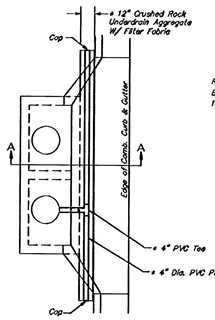


COMBINED ROLL TYPE CURB & GUTTER



TRANSVERSE CONSTRUCTION JOINTS

Transverse construction joints shall be constructed in flexible base pavements at locations where pavement joins existing flexible base pavement as shown by the detail. All costs associated with the construction of the transverse joint shall be included in the bid price for Square Yards 5" ASPHALTIC CONCRETE (3" BITUMINOUS BASE).



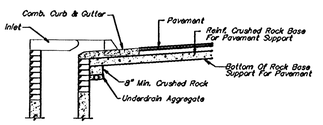
PLAN

* UNDERDRAIN AGGREGATE
Percent of Aggregate Retained

1"	0
3/4"	0 to 10
3/8"	45 to 80
#4	90 to 100
#8	95 to 100

Rock Quality Shall Conform To The Requirements Specified By K.D.O.T. 1990 Edition Standard Specification Subsection 1102 For Durability Class I.

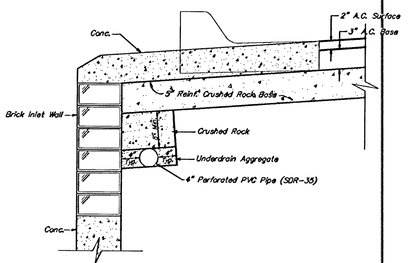
NOTE: Place 4" PVC Perforated Pipe at all drainage sump locations.
Cost of Underdrain System to be Incidental to the Reinforced Crushed Rock Subgrade.
Inlet Type May Vary From That Shown.



(Min. 16 Perforations Per Lin. Ft. @ 1/4" Dia.)
Perforations To Be on Bottom Half

SECTION A-A

PAVEMENT UNDERDRAIN DETAIL
NOT TO SCALE



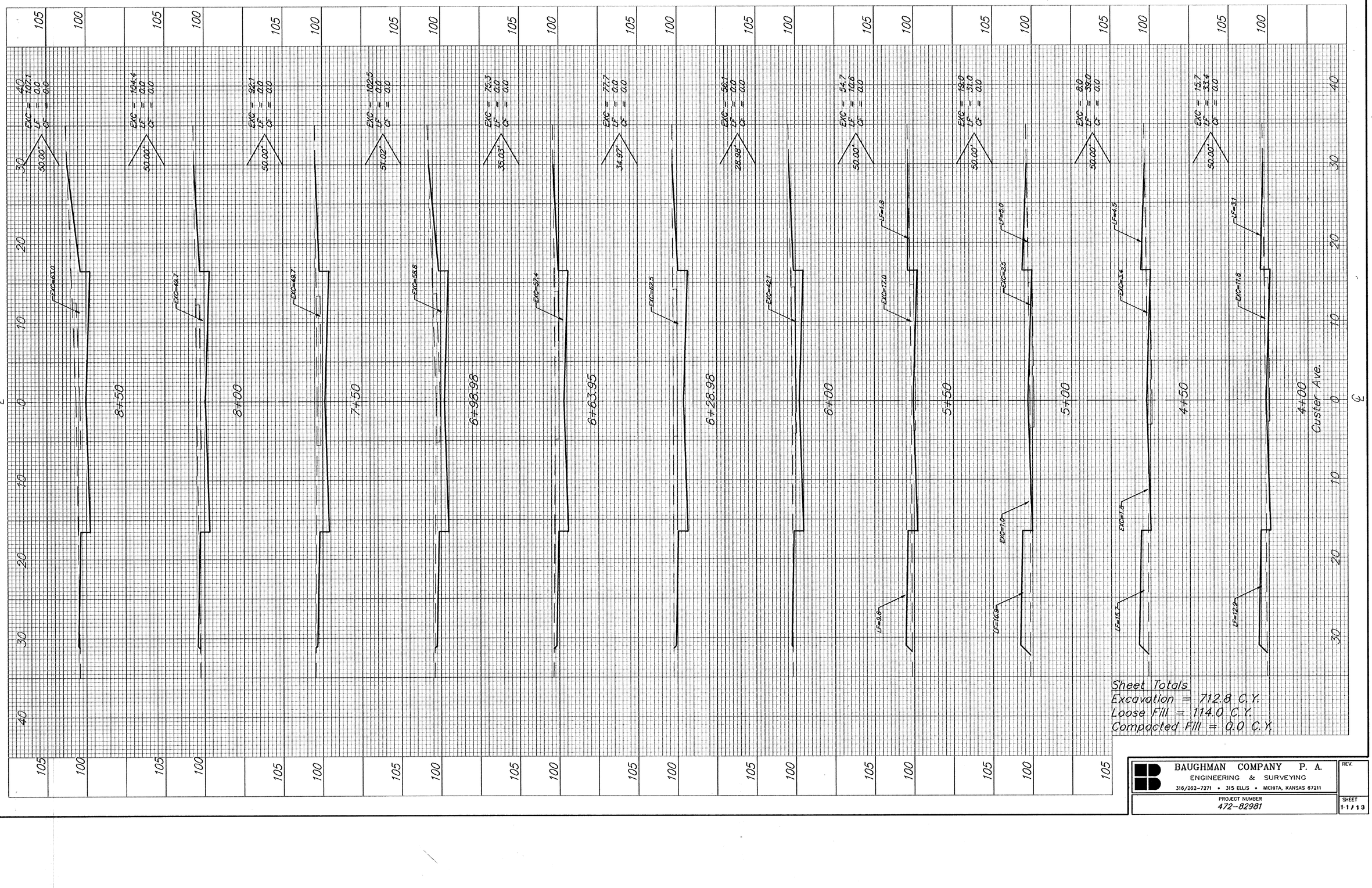
TRENCH DRAIN DETAIL FOR RES. STREETS
NOT TO SCALE

5 INCH Residential Asphaltic Concrete Pavement w/Crushed Rock Base on Fabric Reinforcement
City of Wichita, Kansas

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

PROJECT NUMBER					SHEET
DESIGN C.O.W.	DRAWN Staff	APPROVED	DATE 10-98	SCALE NONE	OF 13

CUSTER27 3TROCK



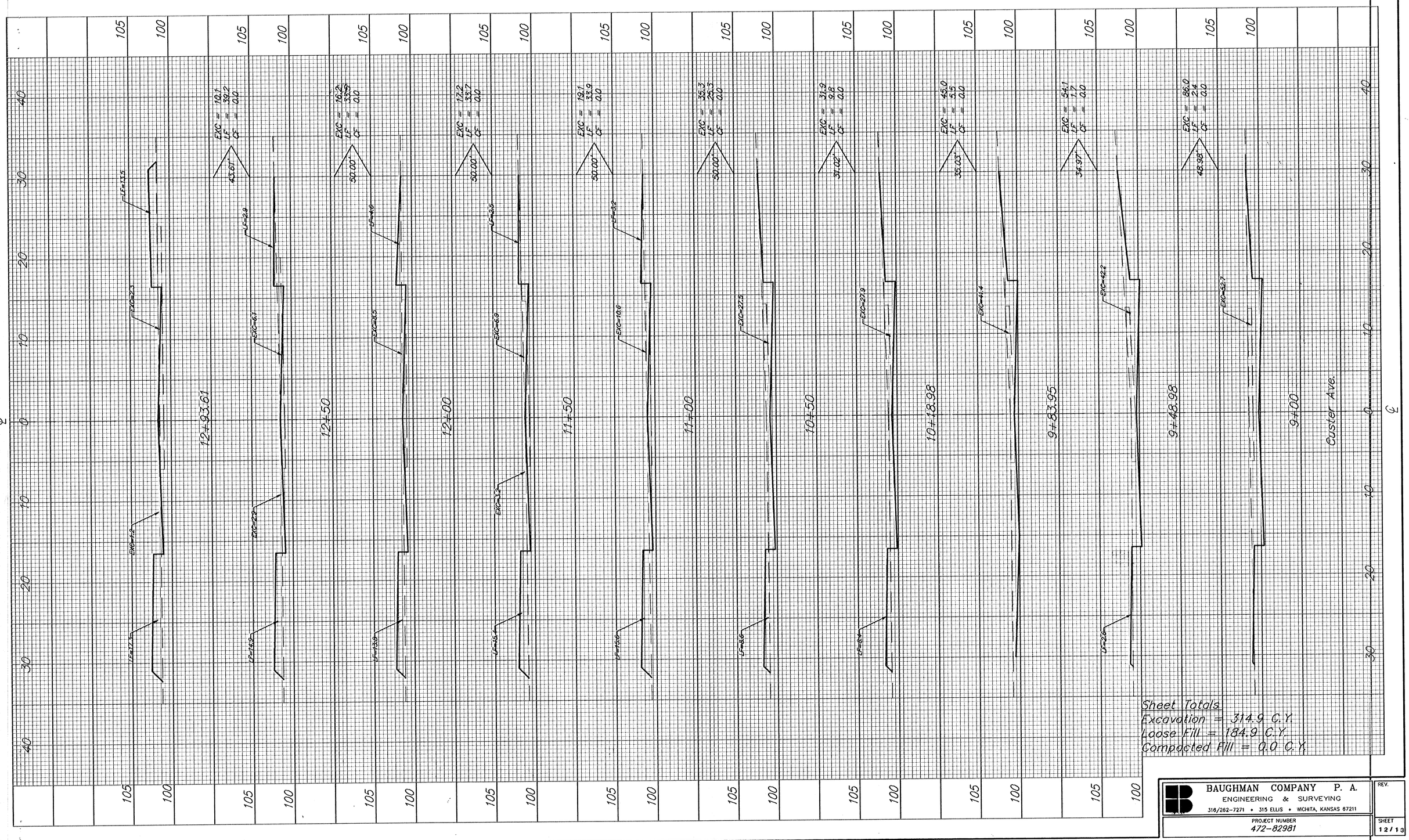
Sheet Totals
Excavation = 712.8 C.Y.
Loose Fill = 114.0 C.Y.
Compacted Fill = 0.0 C.Y.

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

PROJECT NUMBER
472-82981

REV.

SHEET
11/13



Sheet Totals
Excavation = 314.9 C.Y.
Loose Fill = 184.9 C.Y.
Compacted Fill = 0.0 C.Y.

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

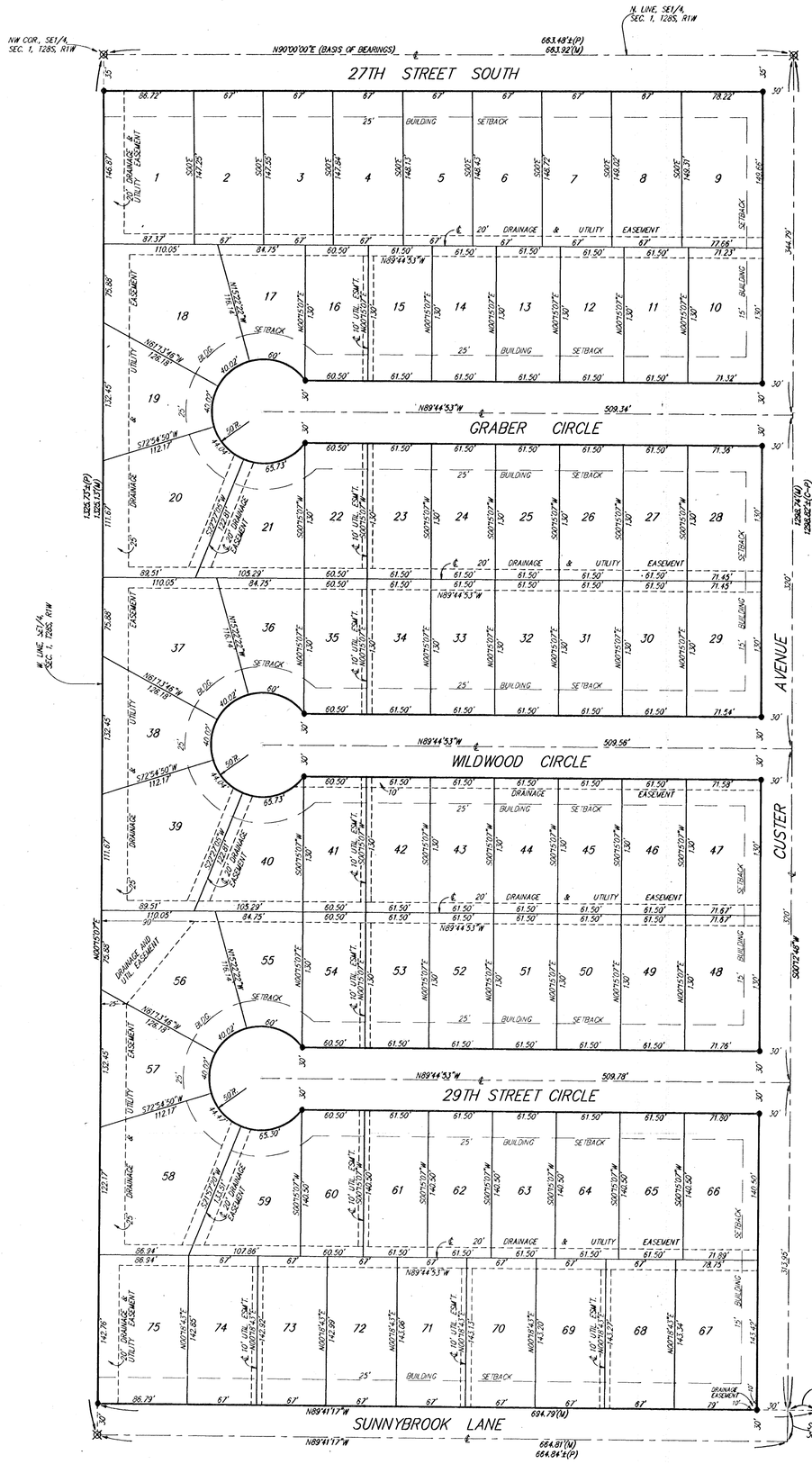
REV.

PROJECT NUMBER
472-82981

SHEET
12 / 13

CUSTER ADDITION
WICHITA, SEDGWICK COUNTY, KANSAS

PC 91-2



State of Kansas)
Sedgwick County) SS We, Baughman Company, P.A., Surveyors in aforesaid County and State do hereby certify that we have surveyed and platted "CUSTER ADDITION", Wichita, Sedgwick County, Kansas, and that the accompanying plat is a true and correct exhibit of the property surveyed, described as follows: The W1/4 of the N1/2 of the SE1/4 of Sec. 1, Twp. 28-S, R-1-W of the 6th P.M., Sedgwick County, Kansas.

Existing public easements and dedications being vacated by virtue of K.S.A. 12-512(b).

Baughman Co., P.A.

Michael G. Conrey 8-13-98, Surveyor
Michael G. Conrey

Know all men by these presents that we, the undersigned, have caused the land in the surveyors certificate to be platted into Lots and Streets to be known as "CUSTER ADDITION", Wichita, Sedgwick County, Kansas. The utility easements are hereby granted as indicated for the construction and maintenance of all public utilities. The drainage easements are hereby granted as indicated for drainage purposes. The drainage and utility easements are hereby granted as indicated for drainage purposes and for the construction and maintenance of all public utilities. The streets are hereby dedicated to and for the use of the public. The Minimum Building Pad Elevations for the lowest opening to the structures shall be as indicated on the face of the plat.

Custer Land, L.L.C.

_____, Member
Jay W. Russell

State of Kansas)
Sedgwick County) SS The foregoing instrument acknowledged before me, this 13TH day of AUGUST, 1998, by Jay W. Russell, Member of Custer Land, L.L.C., on behalf of the company.

JUDITH M. TERHUNE Notary Public - State of Kansas My Appt. Expires 11-7-2001
Judith M. Terhune, Notary Public
JUDITH M. TERHUNE
My App't. Exp. 11-7-2001

We the undersigned, holders of a mortgage on the above described property, do hereby consent to this plat of "CUSTER ADDITION", Wichita, Sedgwick County, Kansas.

Garden Plain State Bank

_____, President
Patrick F. Walden

State of Kansas)
Reno County) SS The foregoing instrument acknowledged before me, this 13TH day of AUGUST, 1998, by Patrick F. Walden, President of Garden Plain State Bank, on behalf of the bank.

JUDITH M. TERHUNE Notary Public - State of Kansas My Appt. Expires 11-7-2001
Judith M. Terhune, Notary Public
JUDITH M. TERHUNE
My App't. Exp. 11-7-2001

This plat of "CUSTER ADDITION", Wichita, Sedgwick County, Kansas has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.
Dated this 14th day of May, 1998.
Wichita-Sedgwick County Metropolitan Area Planning Commission

Richard E. Lopez, Chairman
Richard E. Lopez

SEAL PLANNING COMMISSION

Marvin S. Krout, Secretary
Marvin S. Krout

This plat approved and all dedications shown hereon accepted by the City Council of the City of Wichita, Kansas, this 18 day of AUGUST, 1998.

_____, Mayor
Bob Knight

Pat Burnett, City Clerk
Pat Burnett

State of Kansas)
Sedgwick County) SS This is to certify that this plat has been filed for record in the office of the Register of Deeds, this 28th day of August, 1998, at 11:00 o'clock A.M.; and is duly recorded.

_____, Register of Deeds
Bill Meek

Linda Kizzire, Deputy
Linda Kizzire

1720636

Entered on transfer record this 28th day of August, 1998.

James Alford, County Clerk
James Alford

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

MINIMUM BUILDING PAD ELEVATIONS FOR LOWEST OPENINGS TO THE STRUCTURES		
LOT	ELEVATION	
	CITY DATUM	M.S.L.
1	99.0	1286.4
18-20	99.0	1286.4
37-39	99.0	1286.4
56-58	99.0	1286.4
75	99.0	1286.4

LEGEND

● = #4 REBAR W/ "BAUGHMAN" CAP (SET)
□ = 1/2" IRON PIPE (FOUND)
⊠ = 3/4" IRON PIPE (FOUND)

(M) = MEASURED
(P) = PLATTED
(C-P) = CALCULATED PER PLATTED INFO.

BENCHMARK:
CITY OF WICHITA BENCHMARK DISC - SW COR. OF THE INTERSECTION OF SHERIDAN AND 31ST STREET SOUTH ON THE SOUTH HANDRAIL TO REINFORCED CONC. BOX AT THE SE COR. OF SAID REINFORCED CONC. BOX.
ELEV. = 103.524 CITY DATUM

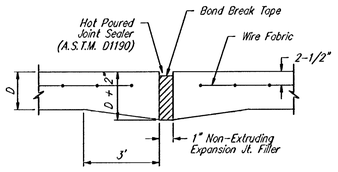
0 60 120

C2-299

13/13

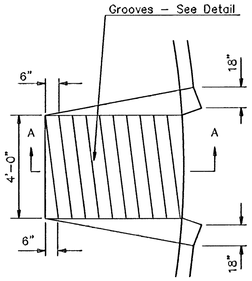
18-10-01-13

20.00 ck

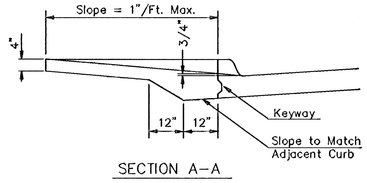


EXPANSION JOINT

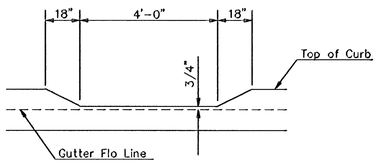
NOTE: Extra Thickness to be Subsidiary to Price of Square Yards Pavement



WHEELCHAIR RAMP PLAN VIEW

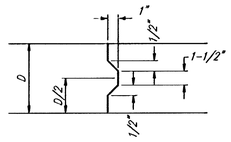


SECTION A–A

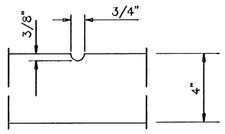


DEPRESSED CURB DETAIL

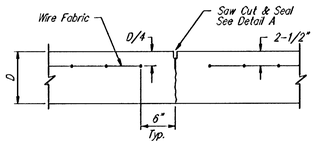
WHEELCHAIR RAMP DETAIL



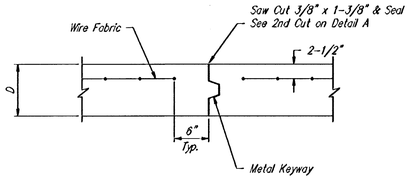
KEYWAY DETAIL



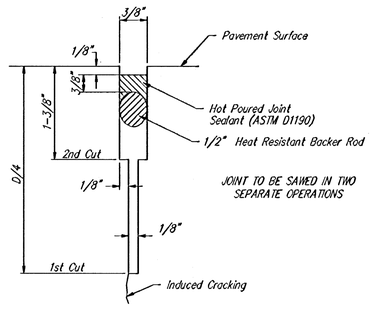
GROOVE DETAIL



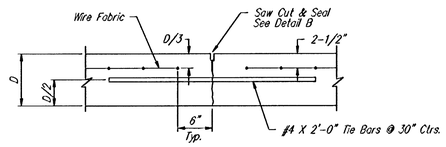
CONTRACTION JOINT DETAIL (C.J.)



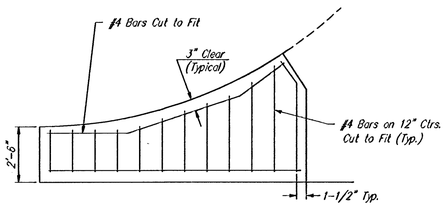
OPTIONAL CONTRACTION JOINT (CONSTRUCTION JOINT)



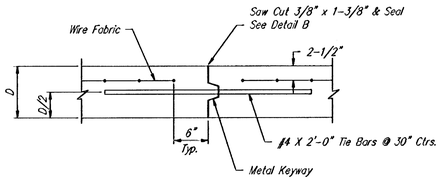
SAW JOINT DETAIL "A"



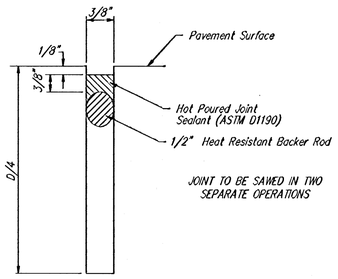
LONGITUDINAL JOINT DETAIL (L.J.)



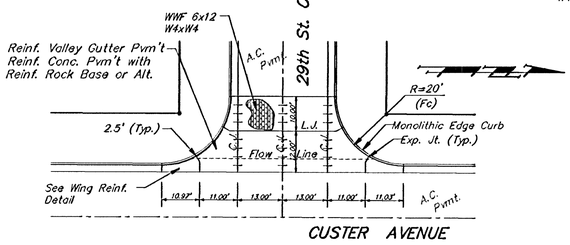
WING REINFORCING DETAIL

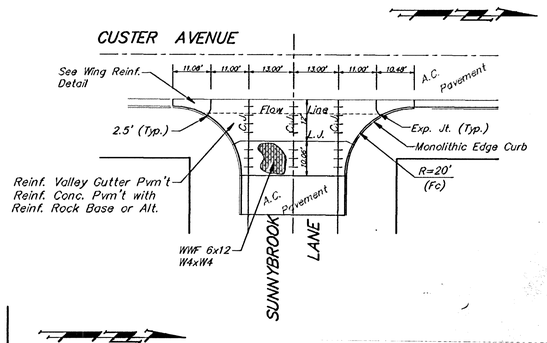


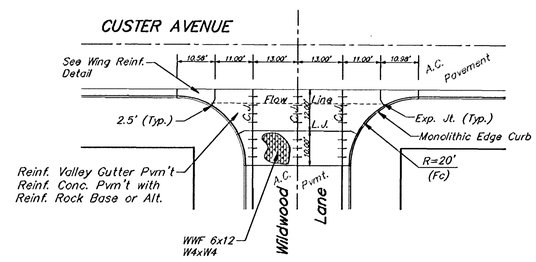
OPTIONAL LONGITUDINAL JOINT DETAIL (L.J.) (CONSTRUCTION JOINT)

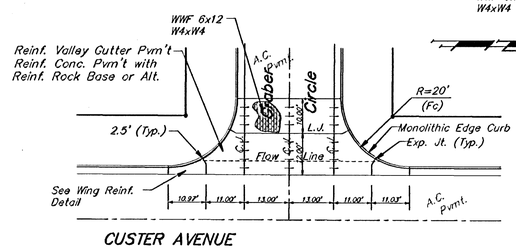


SAW JOINT DETAIL "B"









NOTE: 6" X 12" W4XW4 Wire Fabric Reinforcing Shall Be Placed So That The Wires With The 6" Spacing Will Run Parallel With The Longitudinal Joints.

VALLEY GUTTER DETAILS

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

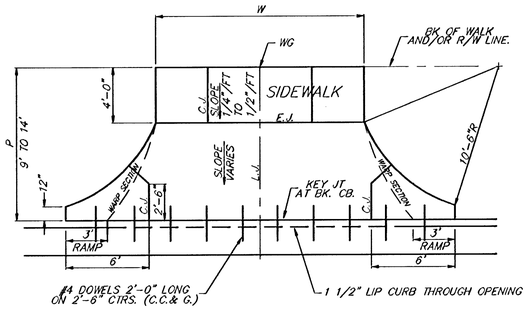
PROJECT NUMBER	SHEET
472-82981	3 OF 13

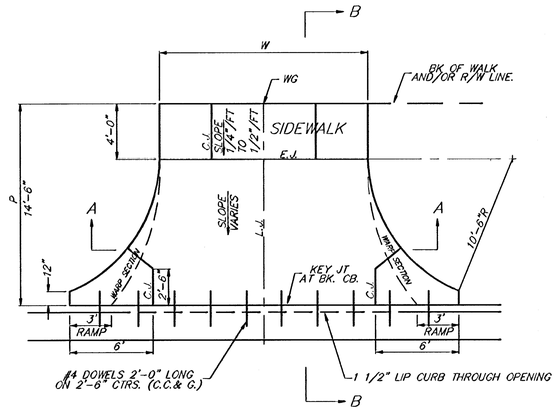
DESIGN	DRAWN	APPROVED	DATE	SCALE
			10-98	NONE

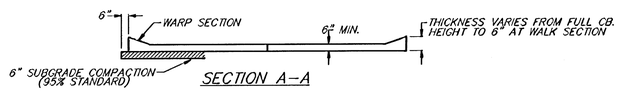
CUSTER2 | CUSTER2 | 98-07-E729



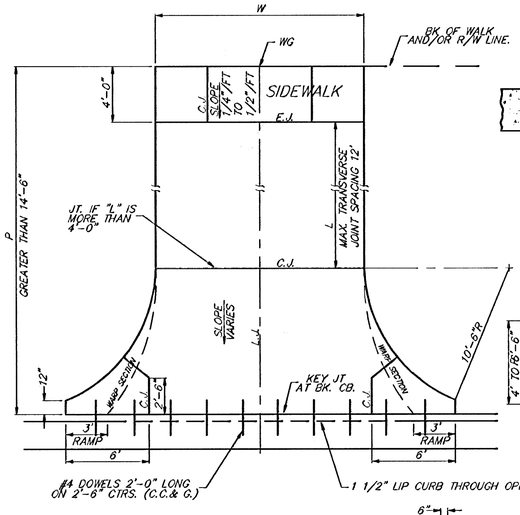
ALT. LONGITUDINAL CONSTRUCTION JOINT

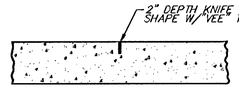






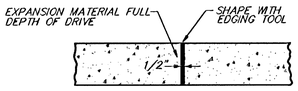
SECTION A–A



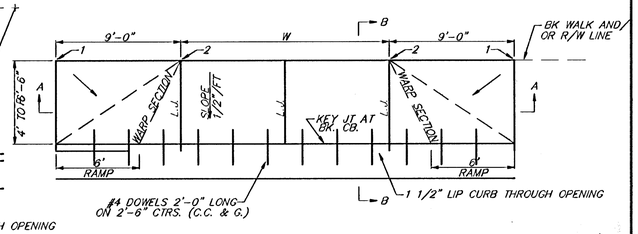


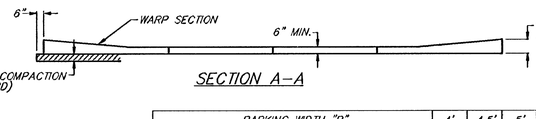
CONTRACTION JOINT (C.J.)
OR LONGITUDINAL JOINT (L.J.)

NO SAWN JOINTS WILL BE ALLOWED



EXPANSION JOINT (E.J.)

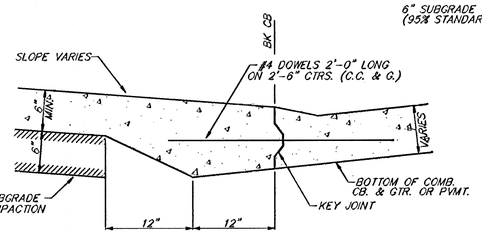




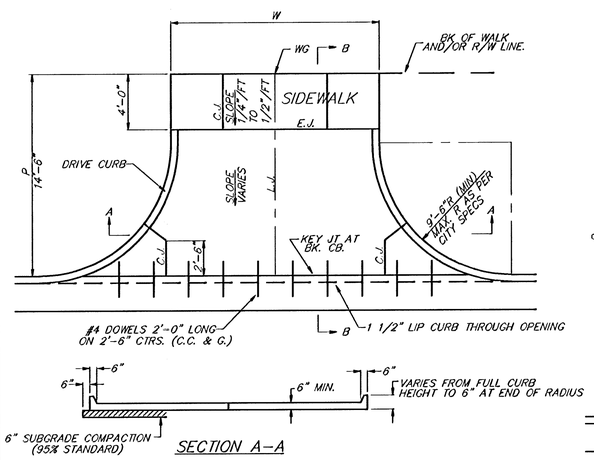
SECTION A–A

PARKING WIDTH "P"	9'	10'	11'	12'	13'	14.5'	20'	25'	30'	35'	40'	45'	50'
ABSOLUTE MAX. DIST. OF P.T. "WG" ABOVE OR BELOW TOP OF FULL CURB	0.35'	0.35'	0.40'	0.45'	0.60'	0.80'	1.35'	1.85'	2.35'	2.85'	3.35'	3.85'	4.35'
OPTIMUM MAX. DIST. OF P.T. "WG" ABOVE OR BELOW TOP OF FULL CURB	0.35'	0.35'	0.40'	0.45'	0.60'	0.70'	1.04'	1.30'	1.56'	1.82'	2.08'	2.34'	2.60'
OPTIMUM MIN. DIST. OF P.T. "WG" ABOVE OR BELOW TOP OF FULL CURB	0.19'	0.21'	0.23'	0.25'	0.27'	0.30'	0.42'	0.52'	0.62'	0.72'	0.82'	0.92'	1.02'
ABSOLUTE MIN. DIST. OF P.T. "WG" ABOVE OR BELOW TOP OF FULL CURB	–.19'	–.16'	–.13'	–.10'	–.06'	0.00'	0.00'	0.15'	0.25'	0.35'	0.45'	0.55'	0.65'

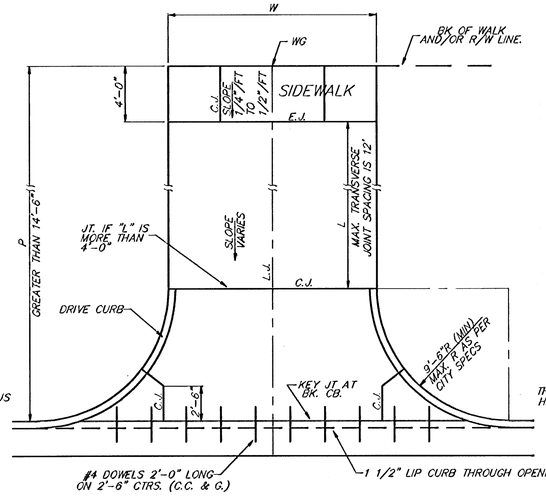
RADIUS RAMP DRIVES (P = 9.0' & GREATER)



BACK OF CURB DETAIL
SECTION B–B (NO SCALE)

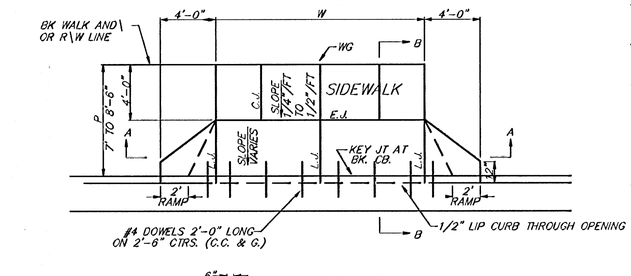


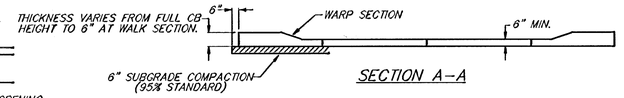
SECTION A–A



PARKING WIDTH "P"	14.5'	20'	25'	30'	35'	40'	45'	50'
ABSOLUTE MAX. DIST. OF P.T. "WG" ABOVE TOP OF FULL CURB	0.80'	1.35'	1.85'	2.35'	2.85'	3.35'	3.85'	4.35'
OPTIMUM MAX. DIST. OF P.T. "WG" ABOVE TOP OF FULL CURB	0.70'	1.04'	1.30'	1.56'	1.82'	2.08'	2.34'	2.60'
OPTIMUM MIN. DIST. OF P.T. "WG" ABOVE TOP OF FULL CURB	0.30'	0.42'	0.52'	0.62'	0.72'	0.82'	0.92'	1.02'
ABSOLUTE MIN. DIST. OF P.T. "WG" ABOVE TOP OF FULL CURB	0.00'	0.00'	0.15'	0.25'	0.35'	0.45'	0.55'	0.65'

FULL RADIUS DRIVES (P = 14.5' & GREATER)





SECTION A–A

PARKING WIDTH "P"	7'	7.5'	8'	8.5'
ABSOLUTE MAX. DIST. OF P.T. "WG" ABOVE TOP OF FULL CURB	0.00'	0.10'	0.20'	0.30'
OPTIMUM MAX. DIST. OF P.T. "WG" ABOVE TOP OF FULL CURB	0.00'	0.10'	0.20'	0.30'
OPTIMUM MIN. DIST. OF P.T. "WG" ABOVE TOP OF FULL CURB	0.15'	0.16'	0.17'	0.17'
ABSOLUTE MAX. DIST. OF P.T. "WG" BELOW TOP OF FULL CURB	–.25'	–.20'	–.20'	–.20'

FULL RAMP DRIVE (P = 7.0' TO 8.5')

PARKING WIDTH "P"	4'	4.5'	5'	5.5'	6'	6.5'
DIST. OF PT "1" ABOVE TOP OF FULL CURB	0.08'	0.09'	0.10'	0.12'	0.13'	0.14'
DIST. OF PT "2" BELOW TOP OF FULL CURB	–.26'	–.24'	0.22'	0.20'	–.18'	–.16'

FULL RAMP DRIVE (P = 4.0' TO 6.5')

GENERAL NOTES

1. DRIVEWAY CONSTRUCTION DETAILED ON THIS SHEET IS FOR USE WITH FULL HEIGHT STREET CURBS AND IN AREAS WITHOUT FULL WALK CONSTRUCTION IN THE PARKING. SEE OTHER DETAIL SHEETS FOR DRIVEWAY CONSTRUCTION WITH ROLL CURB AND/OR FULL WALK.
2. ONE LONGITUDINAL JOINT SHALL BE CONSTRUCTED ALONG THE CENTERLINE OF DRIVES HAVING A "W" DIMENSION OF 24' OR LESS. TWO LONGITUDINAL JOINTS SHALL BE CONSTRUCTED WITH EQUAL SPACINGS NOT TO EXCEED 10' FOR DRIVES WITH A "W" DIMENSION GREATER THAN 24'.
3. DRIVEWAY WIDTH DENOTED AS "W" ON THE DETAIL DRAWINGS SHALL BE A MINIMUM OF 10' AND A MAXIMUM OF 30'. THE MAXIMUM OPENING FOR RADIUS TYPE DRIVES WITH CURBS THROUGH THE RADIUS SHALL NOT EXCEED 52' AT THE STREET CURB LINE.
4. CONSTRUCTION JOINT SPACING IN THE DRIVEWAY WALK SECTION SHALL BE A MINIMUM OF 3' AND A MAXIMUM OF 6' AND ARE TO BE EQUALLY SPACED WITHIN THIS RANGE. WALK SECTION SHALL BE CONSTRUCTED TO THE SAME THICKNESS AS THE DRIVEWAY.
5. DOWEL BARS SHALL BE OMITTED FROM THE KEYED CONSTRUCTION JOINT ALONG THE BACK OF THE STREET CURB LINE WHEN DRIVEWAYS ARE CONSTRUCTED IN CONJUNCTION WITH NEW CONCRETE PAVEMENT CONSTRUCTION.
6. ADDITIONAL THICKNESS OF DRIVE AS INDICATED IN THE DRAWINGS WILL NOT BE PAID FOR DIRECTLY AND THIS COST SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE DRIVEWAY CONSTRUCTION.
7. ONE HALF INCH EXPANSION JOINTS SHALL BE INSTALLED WHEREVER DRIVE CONSTRUCTION ABUTS SIDEWALK. ONE HALF INCH EXPANSION JOINTS SHALL ALSO BE INSTALLED ALONG THE PROPERTY LINE AND/OR BACK OF WALK LINE WHEN DRIVE CONSTRUCTION ALONG THIS LINE ABUTS CONCRETE PARKING LOTS OR CONCRETE DRIVE EXTENSION.
8. ALL DRIVEWAYS SHALL BE A MINIMUM OF 6" IN THICKNESS AND SHALL BE WITHOUT REINFORCEMENT. DRIVEWAYS MAY BE CONSTRUCTED THICKER THAN 6" AND THEY MAY BE REINFORCED WITH 6"x12" W4–W4 WELDED WIRE FABRIC WHEN PROPERLY AUTHORIZED BY THE PROPERTY OWNER WITH THE ENGINEERS CONCURRENCE.
9. OPTIMUM DRIVEWAY ELEVATIONS SHOWN IN THE TABLES ARE TO BE USED WHEREVER POSSIBLE. ABSOLUTE MAXIMUM AND MINIMUM ELEVATIONS ARE TO BE USED ONLY WHEN THESE VALUES WILL PERMIT NEW CONSTRUCTION TO MATCH EXISTING DRIVES OR PARKING LOTS. VALUES SHOWN IN THE TABLES ARE BASED ON A FULL CURB HEIGHT ELEVATION OF 0.55' ABOVE THE GUTTER FLOW LINE AND MUST BE ADJUSTED ACCORDINGLY FOR OTHER CURB HEIGHTS. VALUES SHOWN IN THE TABLES WITH MINUS SIGNS INDICATE ELEVATIONS BELOW TOP OF FULL HEIGHT CURB.

STANDARD
DRIVE ENTRANCE
DETAILS

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

PROJECT NUMBER					SHEET 4
DESIGN	DRAWN JAK	APPROVED	DATE 10–98	SCALE NONE	OF 13

CUSTER2\DRIVEDET

BENCHMARK:
BM #1 – "□" Cut in Top of Curb
Located on the West Side of
Custer Avenue, 33' South of
NE Corner of Lot 20, Block 22,
Builders Fourteenth Addition.
Elev. = 100.19 (City Datum)

BM #2 – "□" Cut in Top of Curb
Located on the South Side of
Wildwood Lane, 31' East of
NW Corner of Lot 1, Block 12,
Builders Fourteenth Addition.
Elev. = 101.00 (City Datum)

Scale: 1" = 20'
• = Iron

P.V.I.
Elev. = 101.60
42' V.C.

Sta 0+00 = ℄ Sunnybrook Lane
Sta 0+35.06
Sta 0+37.60
Sta 3+08.98
Sta 3+43.95 = ℄ 29th St. Cir.
Sta 3+78.98
Sta 5+00

+0.405%
+0.331%
-0.853%

Pavement Constructed By Separate Project.

CUSTER ADDITION

67 66 48 47

30' Fc-Fc
60' R/W

Transition From Roll (3-5/8") Curb to Full Height (6-5/8") Curb in 10'.

Iron @ Sta 0+30.05, 30' Lt.

Construct Inlet Sediment Barriers Both Sides (See Detail Sheet 7)

Construct 5" Reinf. Concrete Valley Gutter Pavement With Monolithic Curb (3-5/8")

Construct Std. Comb. Full Height Curb & Gutter (6-5/8") (Both Sides)

Iron @ Sta 3+73.97, 30' Lt.

Transition From Roll (3-5/8") Curb to Full Height (6-5/8") Curb in 10'. (Both Sides)

Construct 5" AC Pavement W/ 5" Reinforced Rock Base.

Match Line

20' Drng. & Util. Esmt.

Existing Trees

Remove ~189 S.Y. Existing Concrete Pvmt. Cost of Removal Subsidiary to "Site Clearing & Restoration"

Sta 0-35.06
Begin Construction of 5" AC Pavement W/ 5" Reinf. Rock Base.

Remove & Replace Curb & Gutter to First Construction Joint. (Subsidiary to "Site Clrg. & Restoration")

Construct 5" Reinf. Concrete Valley Gutter Pavement With Monolithic Curb (6-5/8")

Sunnybrook Lane

CUSTER AVENUE

29th St. Cir.

BUILDERS FOURTEENTH ADDITION

Valve Box Elev. = 99.90

Valve Box Elev. = 101.35

Remove & Reset Existing Mailbox.

Construct 17.0' (6") Concrete Drive Approach to 17.5' Past Property Line. Remove & Replace ~200 S.F. Concrete Drive (Incidental to 6" Driveway Conc. Pvmt.

Construct 17.0' (6") Concrete Drive Approach to 22' Past Property Line.

Construct 17.0' (6") Concrete Drive Approach to 10.4' Past Property Line.

Construct 18.0' (6") Concrete Drive Approach to 30' Past Property Line.

Construct 18.0' (6") Concrete Drive Approach to 12.3' Past Property Line.

+0.439%
+0.331%
-0.942%

P.V.I.
Elev. = 101.20
No V.C.

P.V.I.
Elev. = 101.60
46' V.C.

Remove Trees Only as Necessary for Street Construction. Cost of Removal to be Subsidiary to Bid Item "Site Clearing and Restoration".

NOTE: ROLL TYPE CURB & GUTTER TO BE CONSTRUCTED ON THE PAVEMENT SHOWN ON THIS SHEET. TOP OF CURB ELEVATIONS ARE GIVEN FOR FULL HEIGHT CURB.

CUSTER ADDITION
CUSTER AVE.

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

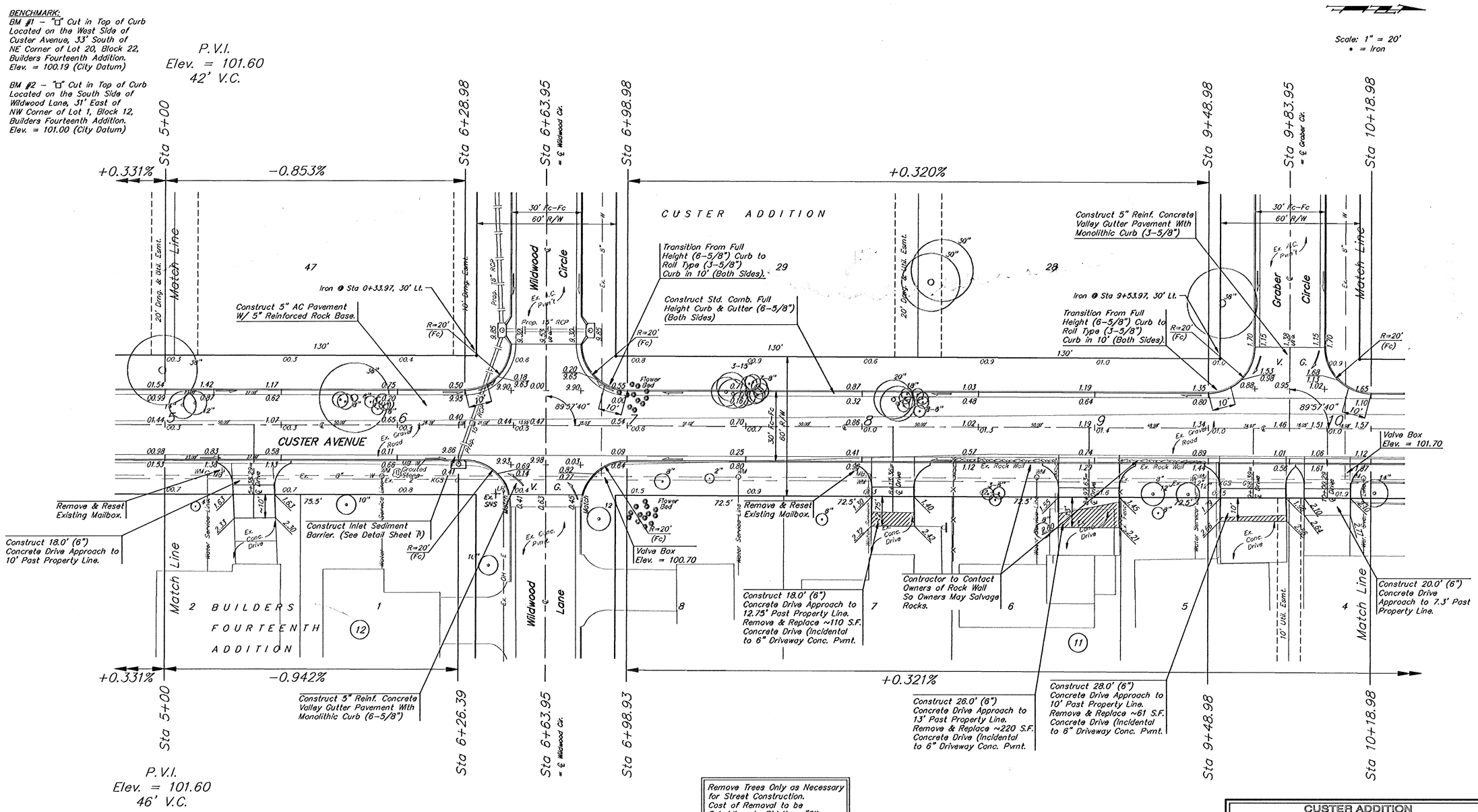
PROJECT NUMBER	SHEET
472-82981	5 OF 13

DESIGN	DRAWN	APPROVED	DATE	SCALE
NBW	YMG		10-98	NOTED

CUSTER21 ST#11 98-07-E129

BENCHMARK:
BM #1 – "□" Cut in Top of Curb Located on the West Side of Custer Avenue, 33' South of NE Corner of Lot 20, Block 22, Builders Fourteenth Addition. Elev. = 100.19 (City Datum)

BM #2 – "□" Cut in Top of Curb Located on the South Side of Wildwood Lane, 31' East of NW Corner of Lot 1, Block 12, Builders Fourteenth Addition. Elev. = 101.00 (City Datum)



Remove Trees Only as Necessary for Street Construction. Cost of Removal to be Subsidiary to Bid Item "Site Clearing and Restoration".

NOTE: ROLL TYPE CURB & GUTTER TO BE CONSTRUCTED ON THE PAVEMENT SHOWN ON THIS SHEET. TOP OF CURB ELEVATIONS ARE GIVEN FOR FULL HEIGHT CURB.

CUSTER ADDITION
CUSTER AVE.

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

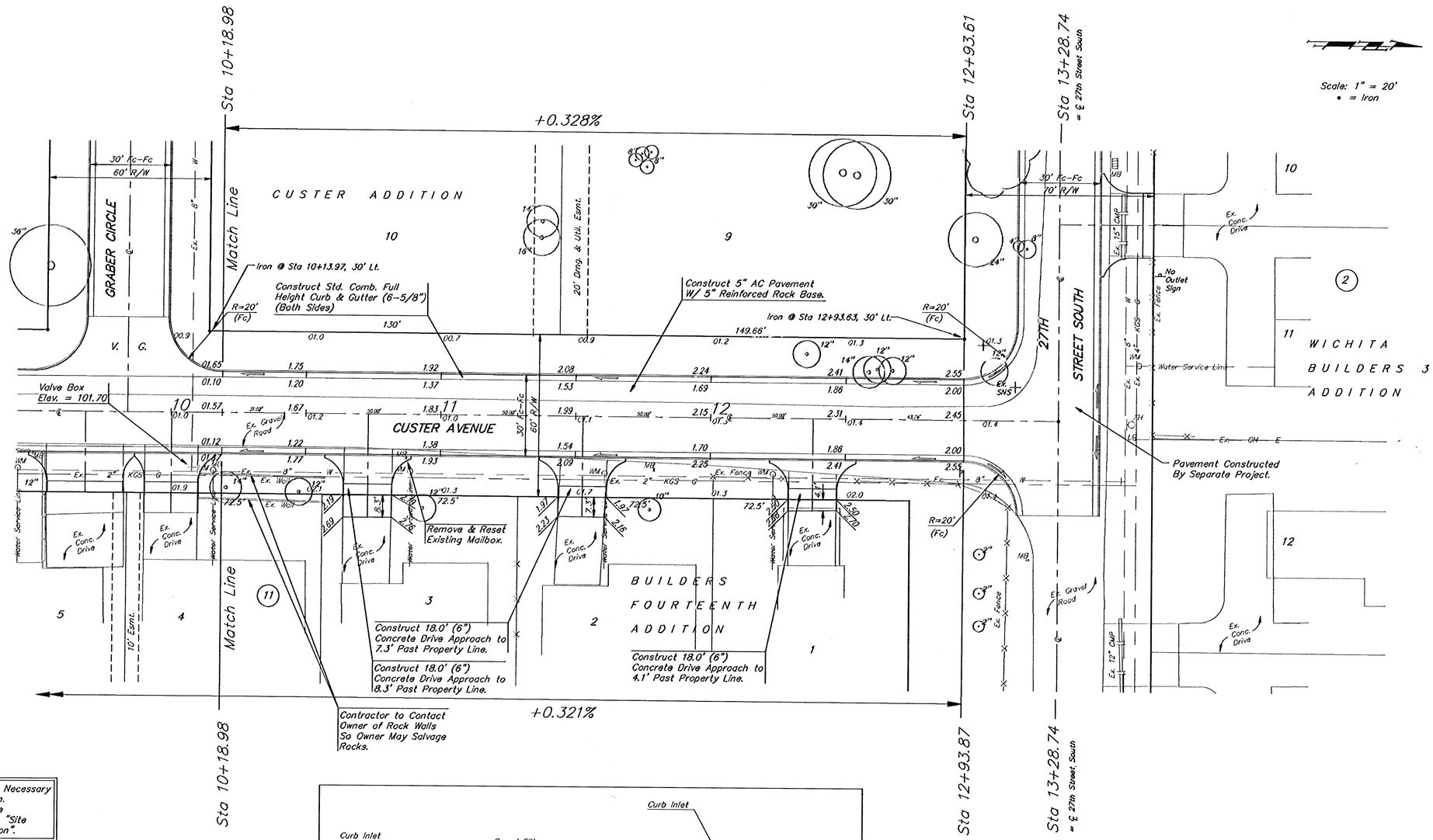
PROJECT NUMBER	SHEET
472-82981	6 OF 13

DESIGN	DRAWN	APPROVED	DATE	SCALE
NBW	TMG		10-98	NOTED

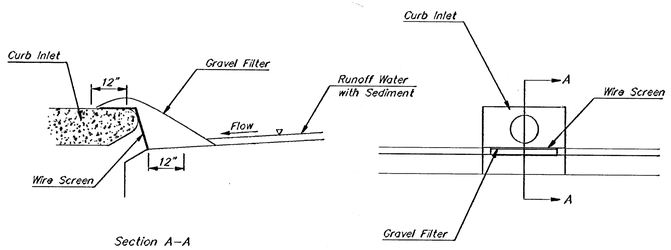
CUSTER27 STR12 98-07-E129

BENCHMARK:
BM #1 – "□" Cut in Top of Curb Located on the West Side of Custer Avenue, 33' South of NE Corner of Lot 20, Block 22, Builders Fourteenth Addition. Elev. = 100.19 (City Datum)

BM #2 – "□" Cut in Top of Curb Located on the South Side of Wildwood Lane, 31' East of NW Corner of Lot 1, Block 12, Builders Fourteenth Addition. Elev. = 101.00 (City Datum)



Remove Trees Only as Necessary for Street Construction. Cost of Removal to be Subsidiary to Bid Item "Site Clearing and Restoration".



CURB INLET PROTECTION
GRAVEL AND WIRE MESH FILTER
No Scale

NOTE: ROLL TYPE CURB & GUTTER TO BE CONSTRUCTED ON THE PAVEMENT SHOWN ON THIS SHEET. TOP OF CURB ELEVATIONS ARE GIVEN FOR FULL HEIGHT CURB.

CUSTER ADDITION
CUSTER AVE

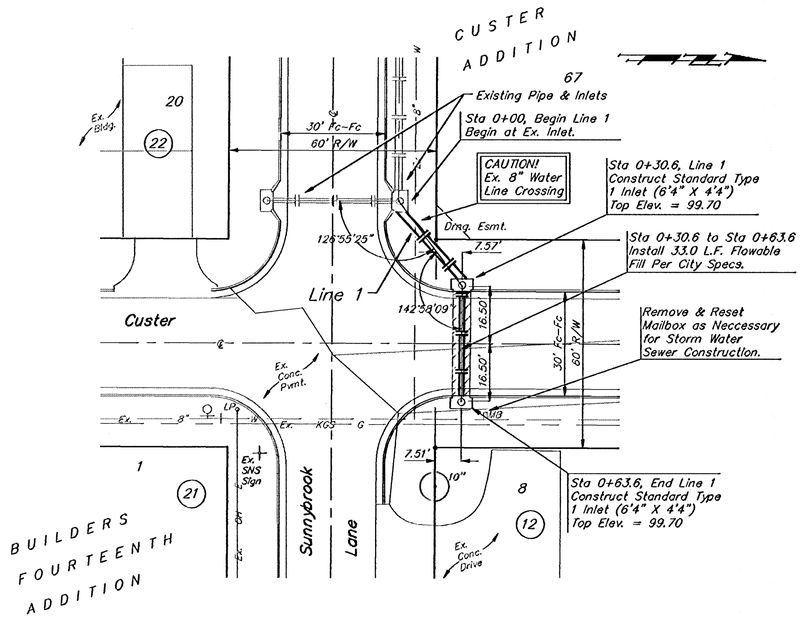
BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

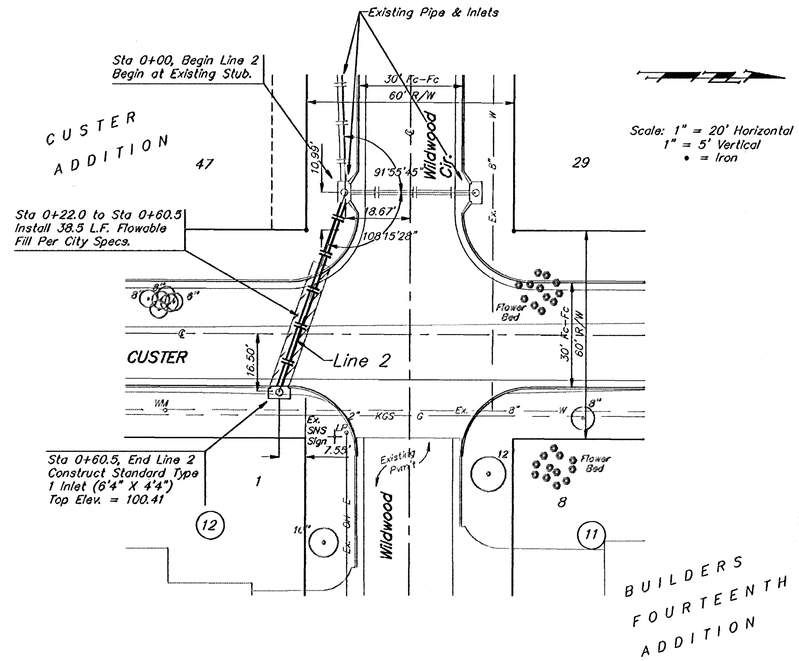
PROJECT NUMBER	SHEET
472-82981	7 OF 13

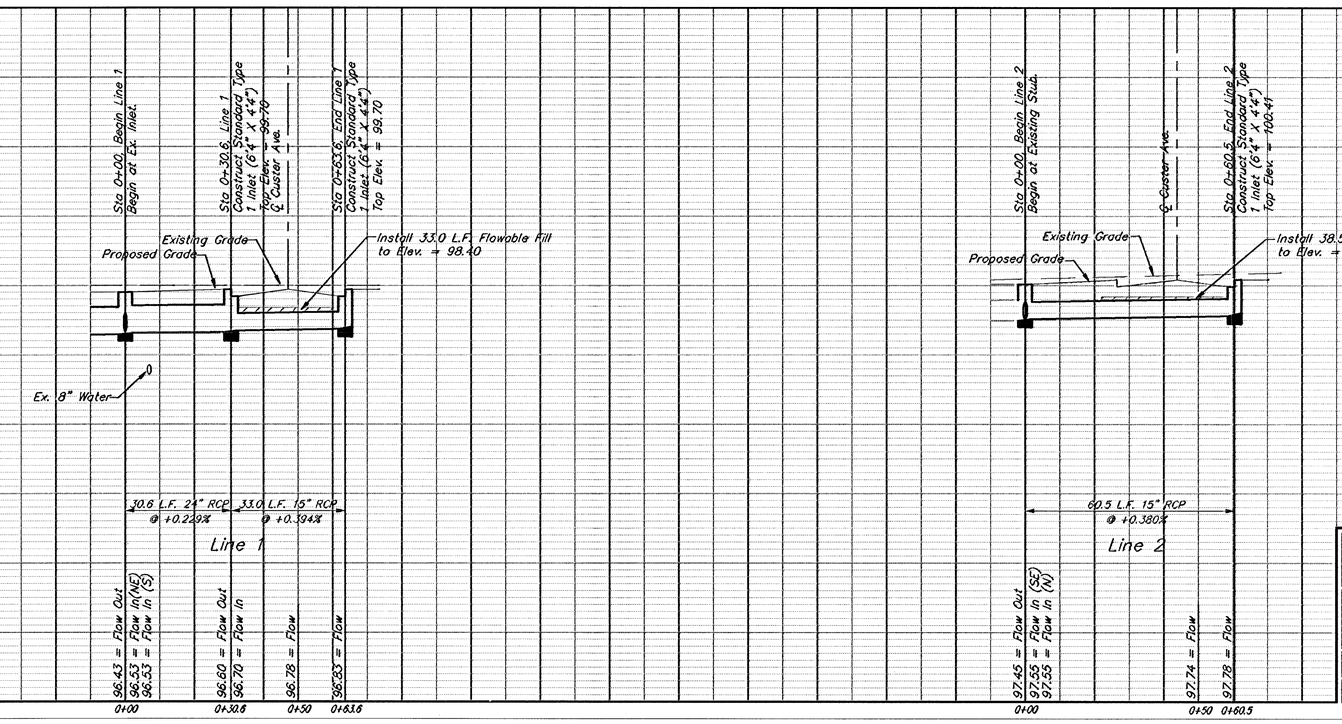
DESIGN	DRAWN	APPROVED	DATE	SCALE
NBW	TMG		10-98	NOTED

BENCHMARK:
BM #1 – "□" Cut in Top of Curb Located on the West Side of Custer Avenue, 33' South of NE Corner of Lot 20, Block 22, Builders Fourteenth Addition. Elev. = 100.19 (City Datum)

BM #2 – "□" Cut in Top of Curb Located on the South Side of Wildwood Lane, 31' East of NW Corner of Lot 1, Block 12, Builders Fourteenth Addition. Elev. = 101.00 (City Datum)







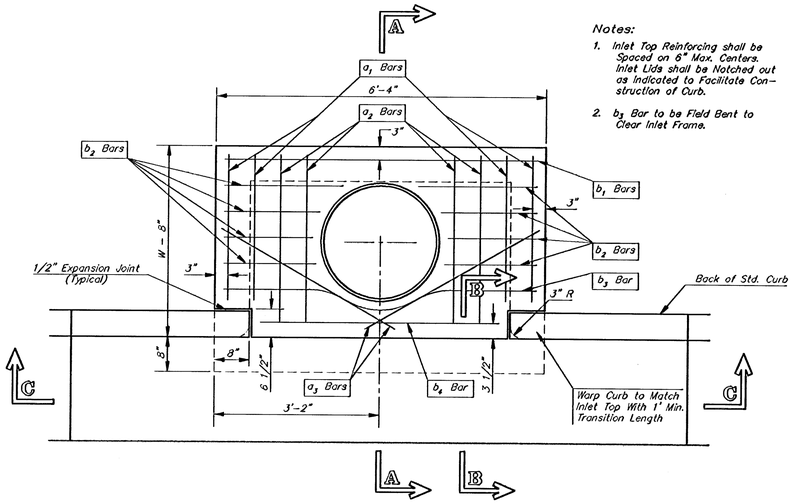
CUSTER ADDITION
LINES 1 & 2
STORM WATER SEWER

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

PROJECT NUMBER	SHEET
472-82981	8 OF 13

DESIGN	DRAWN	APPROVED	DATE	SCALE
NBW	TMG		10-98	NOTED

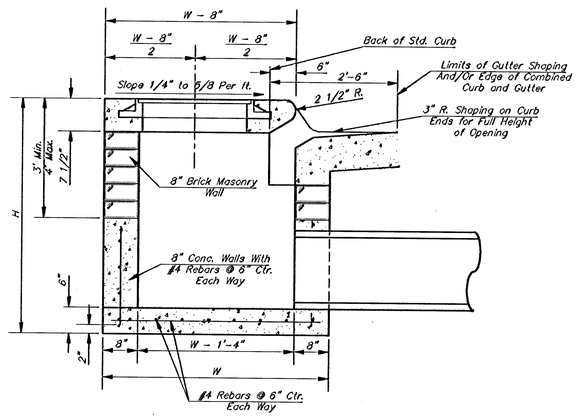
CUSTER27.SHT 98-07-E129



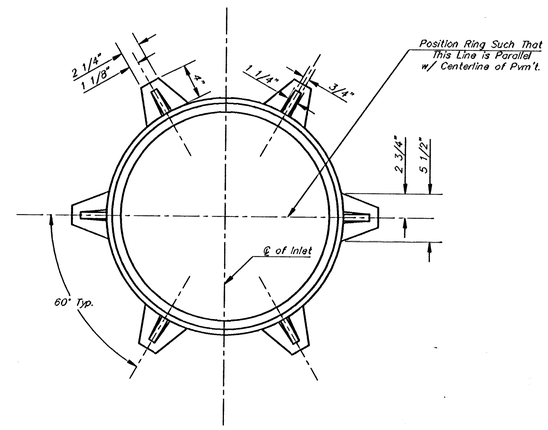
PLAN

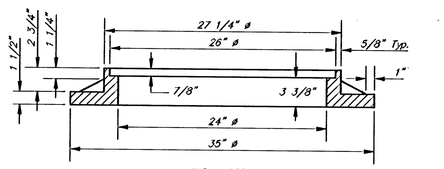
Notes:

1. Inlet Top Reinforcing shall be Spaced on 6" Max. Centers. Inlet Lids shall be Notched out as Indicated to Facilitate Construction of Curb.
2. b_3 Bar to be Field Bent to Clear Inlet Frame.



SECTION A–A

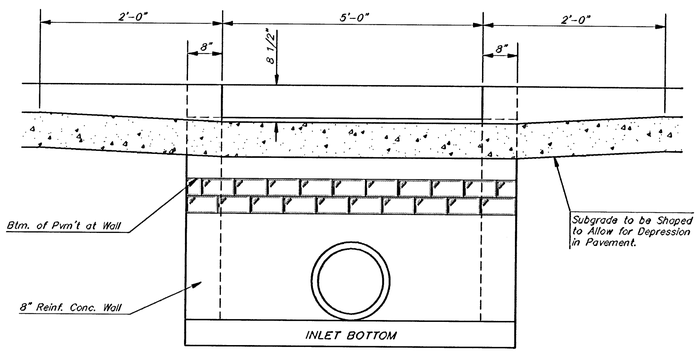




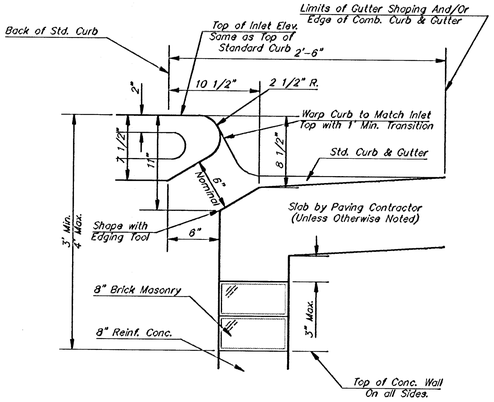
WT. = 180 lbs.

MANHOLE RING AND COVER

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



SECTION C–C



SECTION B–B

STEEL SCHEDULE

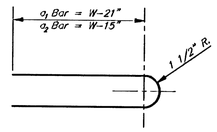
BAR		a_1	a_2	a_3	b_1 W=4'-4"	b_1 W=5'-4"	b_1 W=6'-4"	b_1 W=7'-4"	b_1 W=8'-4"	b_2	b_3	b_4	Wt. Lbs.
NUMBER		4	4	2	1	3	5	7	9	6	1	1	
SIZE		#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	#6	
LENGTH	W=4'-4"	5'-7"	6'-7"	4'-0"	6'-1"	–	–	–	–	1'-9"	6'-2"	4'-8"	60±
	W=5'-4"	7'-7"	8'-7"	5'-0"	–	6'-1"	–	–	–	1'-9"	6'-2"	4'-8"	81±
	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	CU. 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

1. 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.
2. 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.
3. Inlet invert shall be shaped with 8 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.
4. The ends of all pipes installed in inlets shall be cut off flush with the inside face of the inlet wall.



BENDING DIAGRAM

Revised – Dec. 21, 1984

CITY OF WICHITA, KANSAS

TYPE 1 CURB INLET

INLET OPENING = 6"X5'-0"

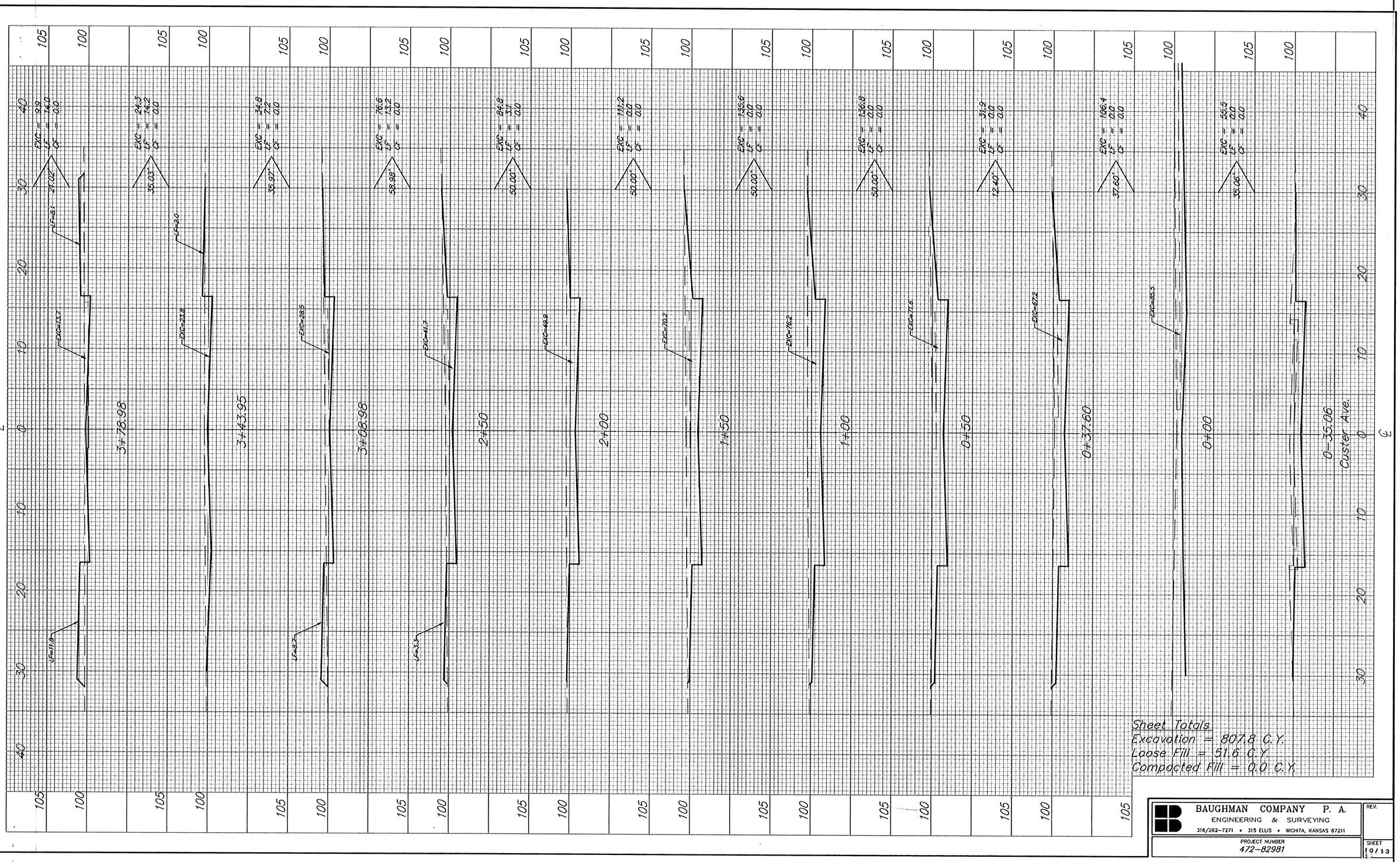
BAUGHMAN COMPANY P.A.

ENGINEERING, SURVEYING, & PLANNING

316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER					SHEET 9 OF 13
DESIGN C.O.W.	DRAWN STAFF	APPROVED	DATE 10-98	SCALE NONE	

0357E27.STP1-S



Sheet Totals
Excavation = 807.8 C.Y.
Loose Fill = 51.6 C.Y.
Compacted Fill = 0.0 C.Y.

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

REV.

PROJECT NUMBER
472-82981

SHEET
10/13