STREET & INCIDENTAL STORM WATER SEWER IMPROVEMENTS

to serve

Auburn Hills 10th Addition

LIMUEL CIR: From the N.L. of the Plat, South to & Including the Cul-de-Sac

CITY OF WICHITA, KANSAS

Michael E. Lindebak, P.E. City Engineer

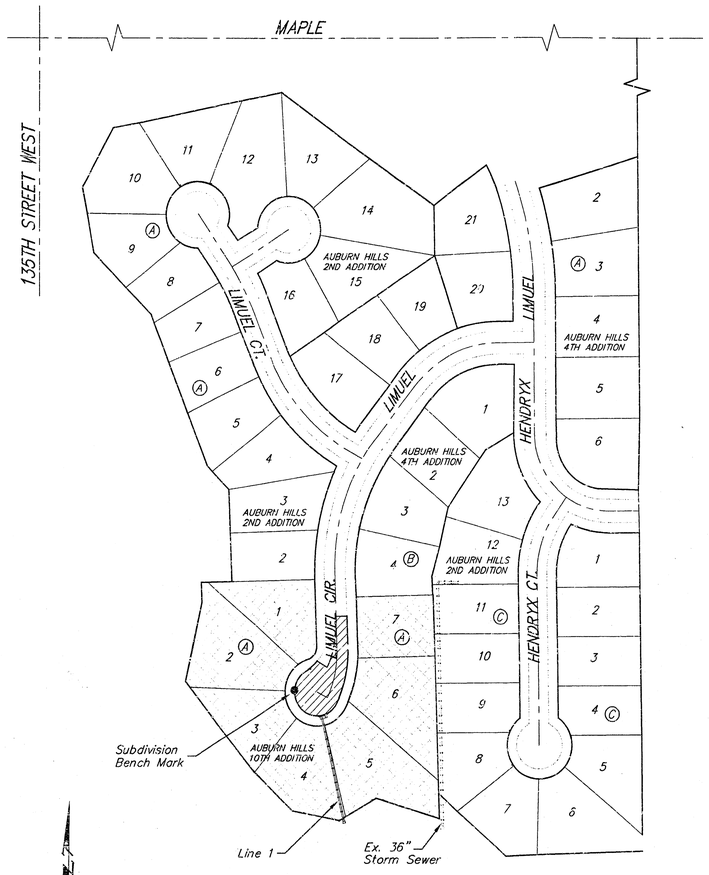
Project Number

472-83242

O.C.A. Number

785688

BOOKED 11100 MCL D-485



Scale: 1" = 100'

Benefit District

Proposed Pavement

Project Earthwork Totals
Excavation = 112 C.Y.
Loose Fill = 65 C.Y.
Compacted Fill = 26 C.Y.
Borrow = 7 C.Y.
(Contractor Furnished)

Total Project Length
122.2 L.F. = 0.023 Miles

Esm't. Grading Earthwork Totals
Excavation = 20 C.Y.
Fill = 40 C.Y.

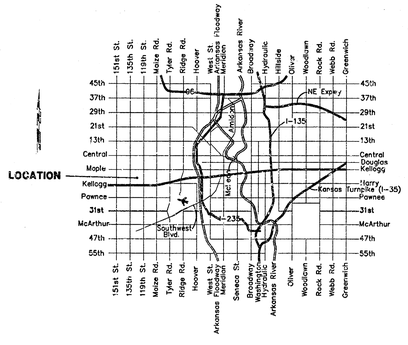
Sheet Index

Title Sheet	1
35' Pavement Detail	2
Sign Detail	3
Limuel Cir.	4
Line 1	5
Easement Grading Plan	6
Double Type 1-A Inlet Detail	7
Earthwork Cross Sections	8-9
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Benchmark

"□" On Top of Curb Located on the South Side of Hendryx 15' West of East Lot Line of Lot 1, Block C, Auburn Hills Addition
Elev. = 134.32 (City Datum)

City Disc - 34.3' E. & 3.3' N. of S.W. Corner of N.W. 1/4, Sec 25, T-27-S, R-2-W.
Elev. = 156.63 (City Datum)



Vicinity Map

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:

Cox Communications	*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	*1-800-344-7233*
City of Wichita Water Dept.	*268-4908*
City of Wichita Traffic Engineering	*269-4446*

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. 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.*

9. *A saw cut of at least one-half the depth of existing surface courses of one-fourth the depth of the existing total pavement thickness shall be provided at locations where proposed construction abuts as existing surface course or pavement for which partial removal of that surface or pavement is required. Sawed joint to facilitate removal within three (3) feet of existing joints will not be permitted and for such instances the limits of removal shall extend to the existing joint. Such saw cuts will not be paid for directly and this cost shall be considered as subsidiary to the removal of the surface or pavement.*

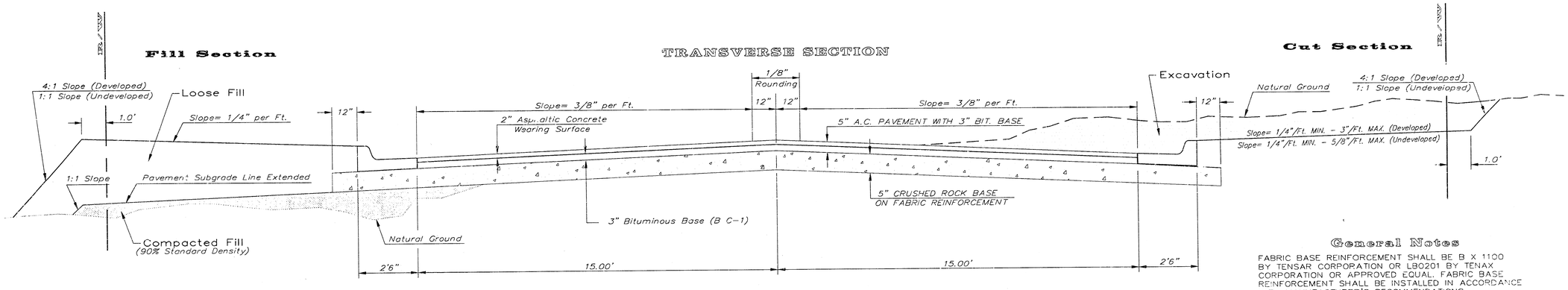
10. *The Contractor shall give all property owners and/or tenants of developed property abutting the construction of this project a minimum of ten (10) days advance notice prior to start of construction.*

11. *Contractor shall grade the storm sewer alignment to the profile and elevations shown on the easement grading plans. All costs for grading shall be paid as lump sum for easement grading.*



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

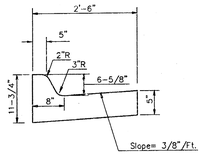
TYPICAL 35' B-B PAVEMENT DETAILS



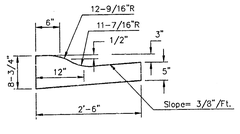
CRUSHED ROCK GRADATION REQUIREMENTS
PERCENT OF AGGREGATE RETAINED

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

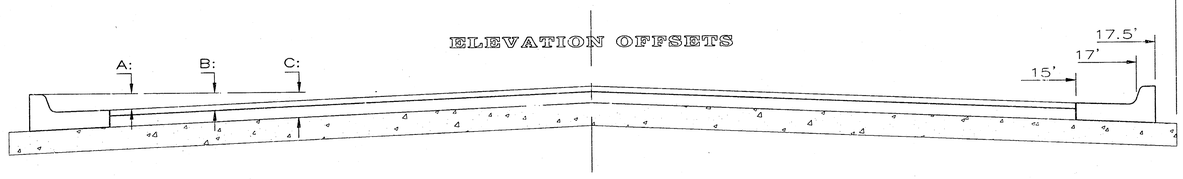
ROCK QUALITY SHALL CONFORM TO THE REQUIREMENTS SPECIFIED BE THE KDOT 1990 EDITION STANDARD SPECIFICATION SUBSECTION 1102 FOR DURABILITY CLASS I.



COMBINED CURB & GUTTER

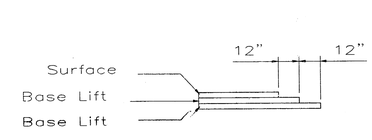


COMBINED ROLL TYPE CURB & GUTTER



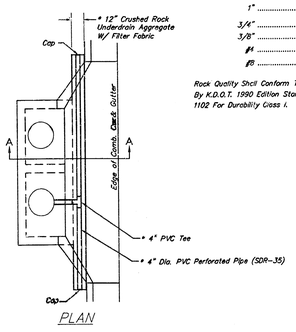
DISTANCE FROM CENTERLINE (LT. & RT.)

	0'	2'	4'	6'	8.5'	10'	12'	14'	15'	17'	17.5'	18.5'
A: Top of Curbs to Top of Surface Lift	0.04	0.08	0.14	0.21	0.29	0.33	0.39	0.46	0.49	–	–	–
B: Top of Curbs to Top of Upper Base Lift	0.21	0.25	0.31	0.37	0.45	0.50	0.56	0.62	0.65	–	–	–
C: Top of Curbs to Top of C. R. Subgrade	0.46	0.50	0.56	0.63	0.71	0.75	0.81	0.88	0.91	0.97	0.98	1.01



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

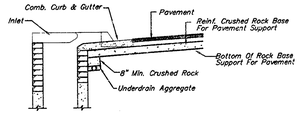
1"	0
3/4"	0 to 10
3/8"	45 to 80
#4	90 to 100
#8	95 to 100

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

General Notes

FABRIC BASE REINFORCEMENT SHALL BE B X 1100 BY TENSAR CORPORATION OR LB0201 BY TENAX CORPORATION OR APPROVED EQUAL. FABRIC BASE REINFORCEMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

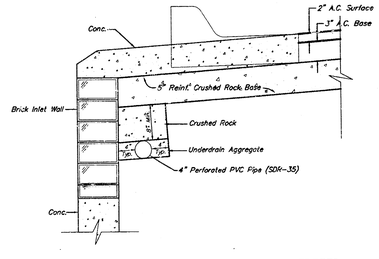
ROCK BASE IS TO BE COMPACTED AND SMOOTHED WITH A STEEL FACED ROLLER PRIOR TO PLACEMENT OF ASPHALT. TACK COAT WILL NOT BE APPLIED TO ROCK BASE.

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.)



TRENCH DRAIN DETAIL FOR RES. STREETS
NOT TO SCALE

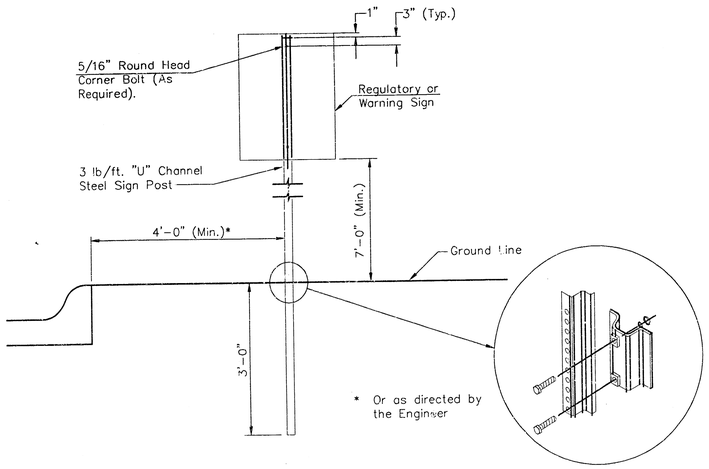
5 INCH Residential Asphaltic Concrete Pavement w/Crushed Rock Base on Fabric Reinforcement
City of Wichita, Kansas

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

PROJECT NUMBER	SHEET
472-83242	2 OF 10

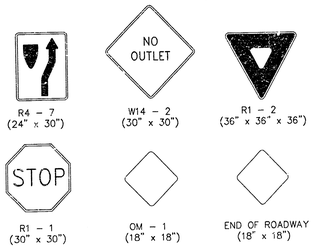
DESIGN	DRAWN	APPROVED	DATE	SCALE
C.O.W.	Staff		6/00	NONE

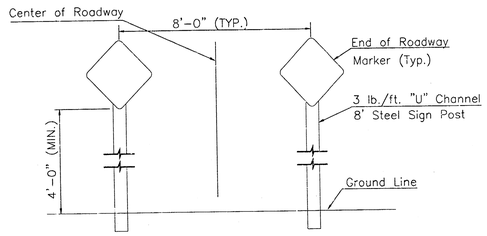
Details 1Sheet 00-05-E108



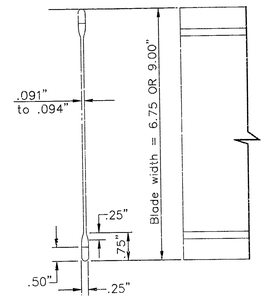
TYPICAL TRAFFIC CONTROL SIGN MOUNTING INSTALLATION

CURB AND GUTTER SECTION





TYPICAL END OF ROADWAY SIGN MOUNTING INSTALLATION



STREET NAME SIGN

BLADE DETAILS

SIGN ASSEMBLY TABLE

STATION	OFFSET	SIGN	QUANTITY*
SW Corner of Limuel & Limuel Ct.	23.32' Lt.	D3 (SNS)	1
TOTAL			

* FOR INFORMATION ONLY

STREET NAME	NO. BLADES REQ'D	
	6 3/4" STD.	9" METRO
Limuel Cir 601-618		1
Limuel Ct. 523-551		1

NOTE: REFERENCES BELOW TO "STANDARD SPECIFICATIONS" DENOTE "STANDARD SPECIFICATION FOR STATE ROAD AND BRIDGE CONSTRUCTION EDITION 1990" BY THE KANSAS DEPARTMENT OF TRANSPORTATION.

1. POST ANCHORS: POSTS SHALL BE ANCHORED WITH A YIELDING BASE POST SUPPORT AS DETAILED.
2. POSTS FOR TRAFFIC CONTROL SIGNS: POSTS SHALL CONFORM TO THE REQUIREMENTS OF SUBSECTION 1620 OF THE STANDARD SPECIFICATIONS EXCEPT THAT ALL POSTS SHALL WEIGH 3 LBS./FOOT MINIMUM.

POSTS FOR STREET NAME SIGNS (SNS): POSTS SHALL BE 9 FEET LONG, CONSTRUCTED FROM 2 3/8" O.D. GALVANIZED STEEL PIPE WEIGHING A MINIMUM OF 3 LBS./FOOT. POSTS SHALL BE POSITIONED SO THAT THE BOTTOM BLADE IS 7 FEET ABOVE GRADE.

4. POSTS FOR END OF ROADWAY SIGN TO BE 8' LONG AND INSTALLED A MINIMUM OF 4' FROM ROADWAY TO BOTTOM OF SIGN.
5. SIGN BLANKS FOR TRAFFIC CONTROL SIGNS: SIGN BLANKS SHALL BE FABRICATED FROM 0.080" ALUMINUM ALLOY 6063-T6 CONFORMING TO THE REQUIREMENTS OF SUBSECTION 1626 OF THE STANDARD SPECIFICATIONS.
6. SIGN BLADES FOR STREET NAME SIGNS: EXTRUDED ALUMINUM BLADES SHALL BE ALUMINUM ALLOY CONFORMING TO 6063-T6 OR 5052-H38 (ASTM SPECIFICATION B221, LATEST ISSUE). BLADES SHALL HAVE AN ALODINE OR PHOSPHATE ETCHED FINISH. BLADES SHALL HAVE SQUARE CORNERS AND NO HOLES.

MINIMUM BLADE LENGTH SHALL BE 24". MAXIMUM BLADE LENGTH SHALL BE 48". LENGTH VARIES BY INCREMENTS OF 6".

BLADES BEARING THE STREET NAMES SHALL BE FIRMLY ATTACHED TO THE MOUNTING BRACKETS USING ALLEN-TYPE SET SCREWS. THE BLADES SHALL BE ORIENTED PARALLEL TO THE STREET.

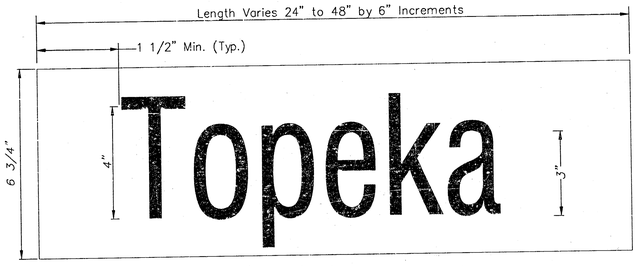
7. MOUNTING BRACKETS FOR SIGNS: DIE-CAST ALUMINUM BRACKETS SHALL BE ALUMINUM ALLOY 360 HAVING A TENSILE STRENGTH OF 44,000 PSI. THE BRACKETS SHALL BE SMOOTHLY FINISHED FREE OF PITS, BURRS, AND FLAWS. EACH BRACKET SHALL BE TAPPED AND DRILLED FOR 5/16" ZINC-PLATED ALLEN-TYPE SET SCREWS HAVING SELF-LOCKING SAW-TOOTH ENDS.
8. FASTENERS: ALL STEEL FASTENERS FOR TRAFFIC CONTROL SIGNS SHALL BE GALVANIZED AND SHALL CONFORM TO THE REQUIREMENTS OF SUBSECTION 1614 OF THE STANDARD SPECIFICATIONS.
9. REFLECTIVE SHEETING: REFLECTIVE SHEETING SHALL BE TYPE II – HIGH PERFORMANCE CLASS HA IN ACCORDANCE WITH SUBSECTION 2201 OF THE STANDARD SPECIFICATIONS.
10. PROCESS INK: ALL PROCESS INK SHALL CONFORM TO THE REQUIREMENTS OF SUBSECTION 2202 OF THE STANDARD SPECIFICATIONS.
11. DETAILS: REGULATORY AND WARNING SIGNS SHALL CONFORM TO THE DETAILS IN "STANDARD HIGHWAY SIGNS", FHWA, 1979.
12. DETAILS – SNS: THE REFLECTIVE SHEETING FOR THE 6 3/4" STANDARD SIZE SNS IS TO BE THE HIGHWAY GREEN BACKGROUND WITH SILVER-WHITE #2 COPY WITH 4" UPPER CASE AND LOWER CASE PRIMARY COPY AND SUFFIX COPY. BOTH SERIES "C". FACES TO TRIM TO A 6 1/4". (SEE DETAIL A.)

THE REFLECTIVE SHEETING FOR THE 9" METRO SIZE SNS IS TO BE THE HIGHWAY GREEN BACKGROUND WITH SILVERWHITE #2 COPY WITH 5" UPPER CASE AND LOWER CASE PRIMARY COPY AND SUFFIX COPY, BOTH SERIES "C". THE CARDINAL DIRECTION CENTERED DIRECTLY BELOW THE BLOCK NUMBER SHALL BE AN UPPER CASE, 3" SERIES "C" LETTER. FACES TO TRIM TO A 8 1/2" WIDTH. (SEE DETAIL B.)

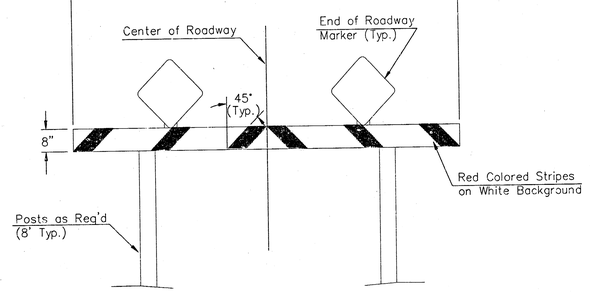
FOR CUL-DE-SAC STREETS, A 9" METRO SIZE BLADE SHALL BE USED WITH THE HOUSE NUMBERS DISPLAYED BENEATH THE STREET NAME. LETTERING TO BE THE SAME AS FOR THE 6 3/4" SIZE BLADE, EXCEPT THAT THE HOUSE NUMBER INFORMATION SHALL BE 4" SERIES "C".

SHOP DRAWINGS OF LAYOUT FOR SNS SHALL BE SUBMITTED TO THE TRAFFIC ENGINEERING DIVISION OF THE CITY OF WICHITA FOR APPROVAL PRIOR TO FABRICATION. THE FINISHED SIGNS AS SUPPLIED SHALL BE OF GOOD APPEARANCE, FREE FROM RAGGED EDGES, CRACKS SCALES OR BLISTERS AND SHALL BE CLEAN-CUT. SIGNS SHALL BE PACKED IN SUCH MANNER AS TO PREVENT DAMAGE OR DEFACEMENT DURING SHIPMENT OR STORAGE.

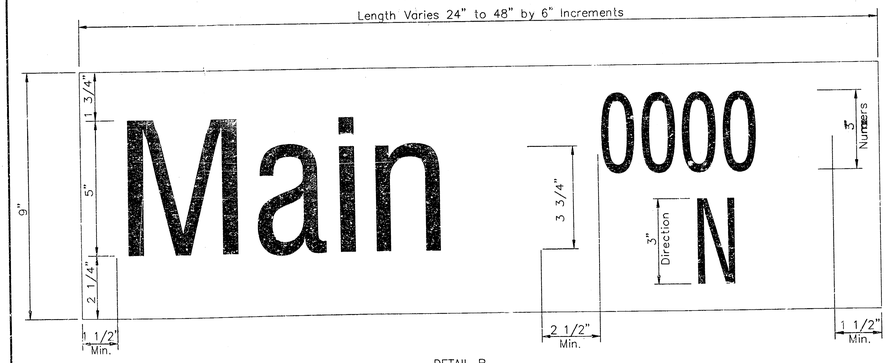
11. PERMANENT TRAFFIC CONTROL AND SNS: INSTALLING TRAFFIC CONTROL AND SNS SHALL BE MEASURED AND PAID FOR AT THE LUMP SUM PRICE FOR SIGNING. THE PAYMENT AS SET FORTH ABOVE SHALL BE CONSIDERED FULL COMPENSATION FOR ALL EXCAVATION, BACKFILLING, POSTS, ANCHORS, FASTENERS, MATERIALS, LABOR, TOOLS AND INCIDENTALS NECESSARY TO COMPLETE THIS WORK.



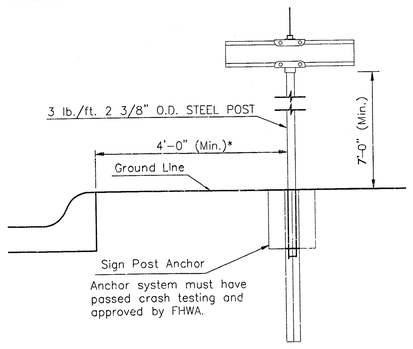
DETAIL A
6 3/4" STANDARD



TYPE I BARRICADE DETAIL W/ E.O.R. MARKER



DETAIL B
9" METRO



TYPICAL STREET NAME SIGN MOUNTING INSTALLATION

CURB AND GUTTER SECTION

AUBURN HILLS 10TH ADDITION

SIGNING DETAIL

WICHITA, KS

BAUGHMAN COMPANY P.A.

ENGINEERING, SURVEYING, & PLANNING

316-262-7227 • 315 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER 472-83242

SHEET 3 OF 10

DESIGN	DRAWN	APPROVED	DATE	SCALE
STAFF	STAFF		6/00	NOTED

F:\AUBHILS\SNSDET 00-403-E703

BENCHMARKS:

"□" On Top of Curb Located on the South Side of Hendryx 15' West of East Lot Line of Lot 1, Block C, Auburn Hills Addition
Elev. = 134.32 (City Datum)

City Disc – 34.3' E. & 3.3' N. of S.W. Corner of N.W. 1/4, Sec 25, T-27-S, R-2-W.
Elev. = 156.63 (City Datum)

Install Street Sign at SW Corner of Intersection of Limuel & Limuel Ct. as per City Specs "Limuel Ct 523-551" & "Limuel Cir 601-618"

Scale:
1" = 20' Horizontal
1" = 5' Vertical
• = Iron

AUBURN HILLS 2ND ADDITION

AUBURN HILLS 4TH ADDITION

SWB Ped

CATV

GM

64' R/W

34' Fc-Fc

LIMUEL CIR.

Existing Gas Line

Remove 23.7 L.F. Sidewalk from Sta. 0+29.03 to Sta. 0+54.97 and Construct 4' Wide (4" Thick) Concrete Sidewalk With 5' inner Radius as Shown. Cost to be Incidental to "Site Clearing & Restoration."

CAUTION! CATV Pedestal Present. Contractor to Contact Don Shue at Cox Communications (262-4270) One Week Prior to Construction to Coordinate Cable TV Pedestal and Line Relocation as Necessary.

CAUTION! KGE Electric Box and Line Present. Contractor to Contact Russ Chitwood (261-6251) or Reed Halbrook (261-6360) at KGE One Week Prior to Construction to Coordinate KGE Electric Box and Line Relocation as Necessary.

Sta. 0+00

Sta. 1+22.19
End Construction

Sta. 1+22.19

Remove Existing Pavement

Iron @ B.L. Sta. 0+74.47

Iron @ B.L. Sta. 0+52.93

Saw Joint

Iron @ B.L. Sta. 0+74.47

CAUTION! Kansas Gas Service Line Crossing. Line Relocation Previously Coordinated. Contractor to Contact Charlene Lawless (Kansas Gas Service) 832-3121 to Coordinate & Verify Line Relocation Before Construction.

R=187.84'

R=172.84'

R=157.84'

Warped Crown Grade Line

Exist. Cable TV Ped.

Exist. Elec. Box

Sta. 0+44.45
13.73' Lt.

Construct Std. Wheelchair Ramp See Detail Sheet __.

Remove Existing End-of-Road Markers for Salvage by City. Cost of Removal to be Included in "Site Clearing & Restoration."

Sta. 0-13.33, 32.2' Lt. Install Subdivision Bench Mark (Flat Survey Marker No. 8134-08 3" Top Diameter) in Top of Curb. Cost shall be Incidental to L.F. Full-Height Curb.

Valve Box Elev. = 139.20

Valve Box Elev. = 139.00

Curve #1

Construct 5" A.C. Pavement w/5" Rsinf. Rock Base

Construct Roll-Type Curb & Gutter (3-5/8") (Both Sides)

Const. Sediment Barrier (See Detail, This Sheet)

Const. Std. Type 1A Inlet Hook-Up

-0.524%

+0.645%

+0.616%

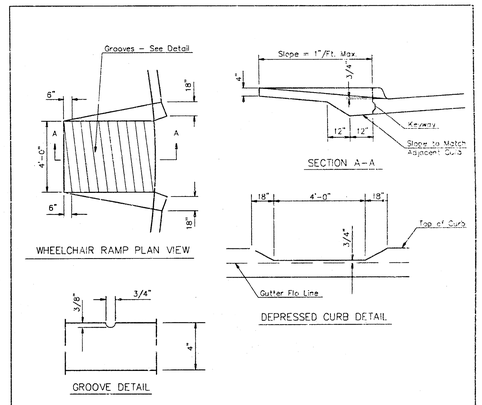
Sta. 0+00

Base Line = ℄ Limuel Circle

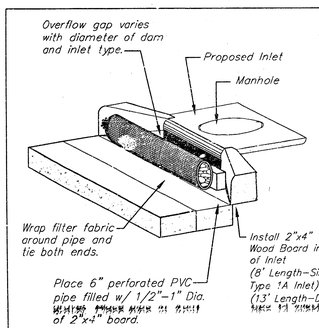
P.V.I.
Elev. = 1338.75
30' V.C.

Roll Type Curb & Gutter to be Constucted on the Pavement Shown on this Sheet. Top of Curb Elevations are Given for Full Height Curb.

Remove Trees Only as Necessary For Construction. Cost to be included in Bid Item "Site Clearing & Restoration."



Wheelchair Ramp Detail



INLET PROTECTION

Perforated Pipe w/ Gravel

Curve #1
Curve Data Based on Centerline
Rad. = 155.84' Delta = 27° 22' 47" Tangent = 37.96'
Arc = 74.47' L.C. = 73.76' Def/Ft. =11.02983 Min.

Station	Arc	CHORD LENGTHS 8 Ft.	Defl.	T. Defl.
0+00.00	–	–	0°00'00"	0°00'00"
0+25.00	25.00'	20.97'	4°35'45"	4°35'45"
0+44.45	19.45'	16.32'	3°34'32"	8°10'17"
0+50.00	5.55'	4.66'	1°01'12"	9°11'29"
0+74.47	24.47'	20.52'	4°29'55"	13°21'44"

AUBURN HILLS 10TH ADDITION

Subdivision Bench Marks

Street & Station	Location Description	Elevation
Limuel Cir. 0-13.33, 32.2' Lt.	At E. End of N. Lot Line of Lot 3, Block A in Cul-de-Sac of Limuel Cir., Auburn Hills Addition Adjacent to Fire Hydrant	

AUBURN HILLS 10TH ADDITION
LIMUEL CIR.
LOTS 1-7, BLOCK A

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

PROJECT NUMBER 472-83242

SHEET 4 OF 10

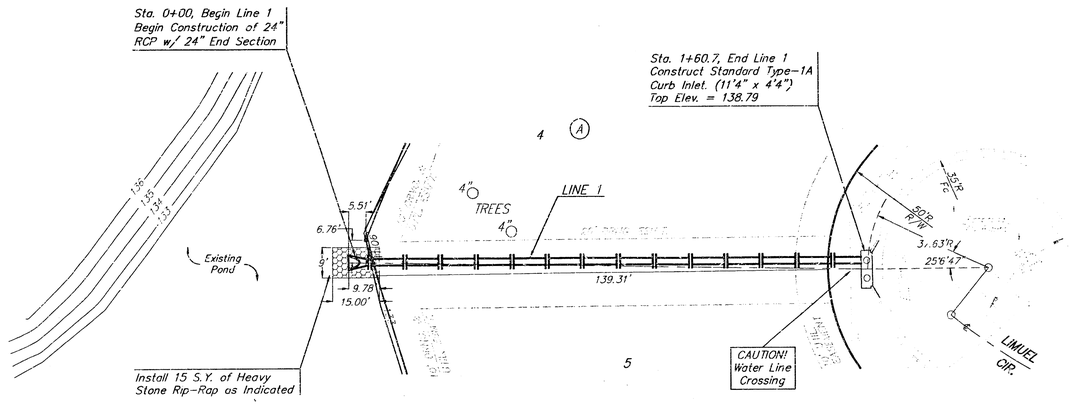
DESIGN	DRAWN	APPROVED	DATE	SCALE
BMP/AEG	AEG		6/00	NOTED

F:\ENG\AUDITS\TRT 00-05-E6.8

BENCHMARKS:

"□" On Top of Curb Located on the South Side of Hendryx 15' West of East Lot Line of Lot 1, Block C, Auburn Hills Addition
Elev. = 134.32 (City Datum)

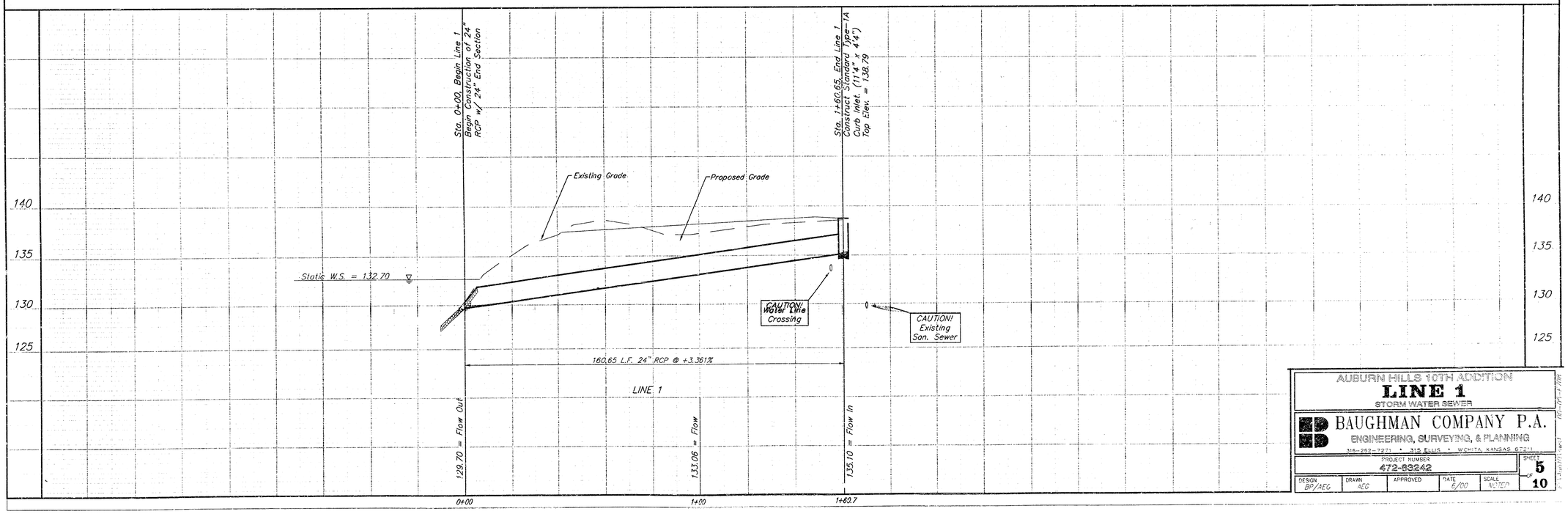
City Disc – 34.3' E. & 3.3' N. of S.W. Corner of N.W. 1/4, Sec 25, T-27-S, R-2-W.
Elev. = 156.63 (City Datum)



Scale:
1" = 20' Horizontal
1" = 5' Vertical
• = Iron

Remove Trees Only as Necessary For Construction.
Cost to be included in Bid Item "Site Clearing & Restoration"

AUBURN HILLS 10TH ADDITION

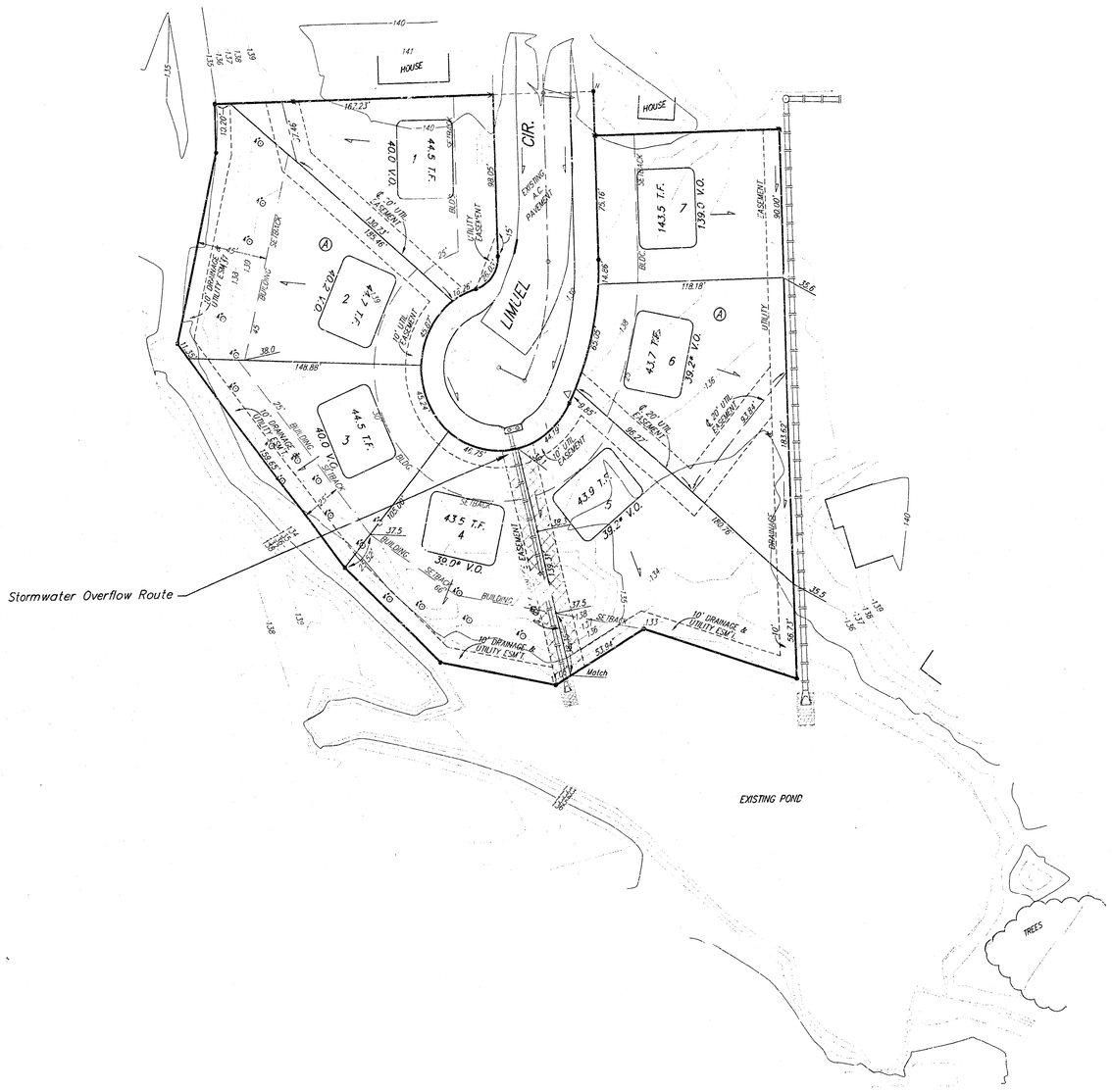


AUBURN HILLS 10TH ADDITION
LINE 1
STORM WATER SEWER

BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7221 • 315 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER 472-83242
SHEET 5 OF 10

DESIGN	DRAWN	APPROVED	DATE	SCALE
BP/AEG	AEG		6/00	NOTED



Scale: 1" = 40'
• = Iron

<u>BENCHMARKS:</u>

"□" On Top of Curb Located on the South Side of Hendryx 15' West of East Lot Line of Lot 1, Block C, Auburn Hills Addition
Elev. = 1.34.32 (City Datum)

City Disc – 34.3' E. & 3.3' N. of S.W. Corner of N.W. 1/4, Sec 25, T–27–S, R–2–W.
Elev. = 1.56.63 (City Datum)

<u>NOTE:</u>

Proposed top of foundation and garage floor elevations are shown on plans. Contractor to set finish floor elevation.

All street elevations shown on plans are for top of curb (full height).

View–out elevations are denoted as XX.X V.O.
Walk–out elevations are denoted as XX.X W.O.

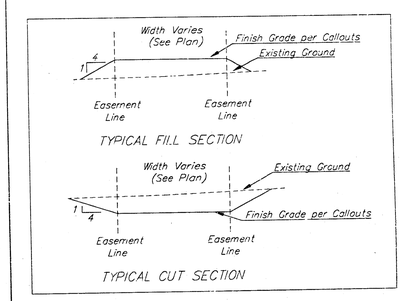
* Extra deep foundation may be required

= Easements To Be Graded

Approximate Easement Grading Quantities:
(For Information Only)
Excavation: 20 C.Y.
Fill: 40 C.Y.

The contractor shall grade the easements as shown to the elevations given on the easement grading plan. All costs for grading shall be incidental to the Easement Grading Bid Item.

The contractor shall 'straight' grade the easements between the elevations given. Where a callout designates 'Match', the contractor will grade to the existing ground elevation.



MINIMUM BUILDING PAD ELEVATION FOR LOWEST OPENING TO THE STRUCTURES			
LOT	BLOCK	ELEVATION	
		CITY DATUM	NGVD
1,2,3	A	140.0	1327.4
4,5	A	139.0	1326.4

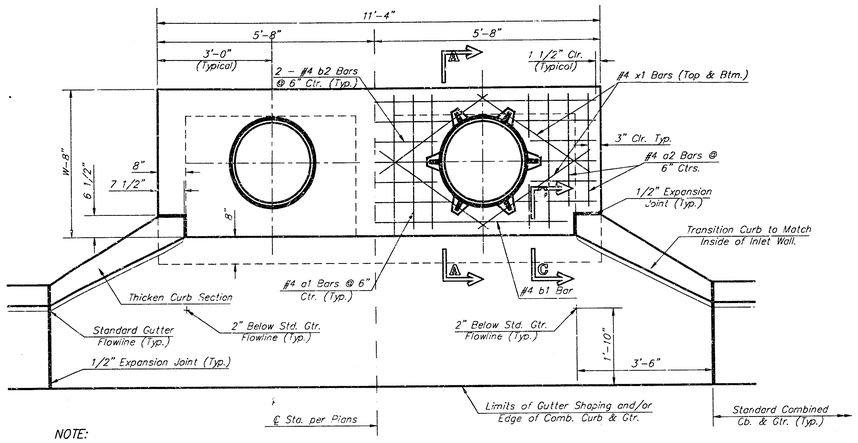
AUBURN HILLS 10TH ADDITION
EASEMENT GRADING PLAN
WICHITA, KS

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

PROJECT NUMBER 472-88242
SHEET 6 OF 10

DESIGN	DRAWN	APPROVED	DATE	SCALE
BP/AEG	AEG		5/00	NOTED

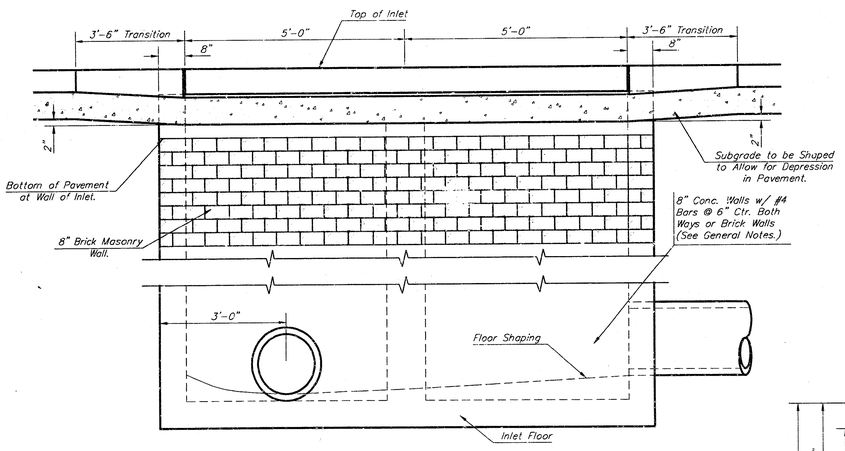
F:\AUBTO\GRADE 05-123-2703



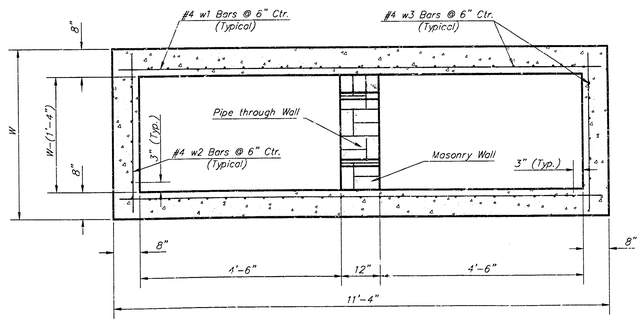
NOTE:
Expansion Joint Only in Curb Area with Concrete Pavement.

PLAN

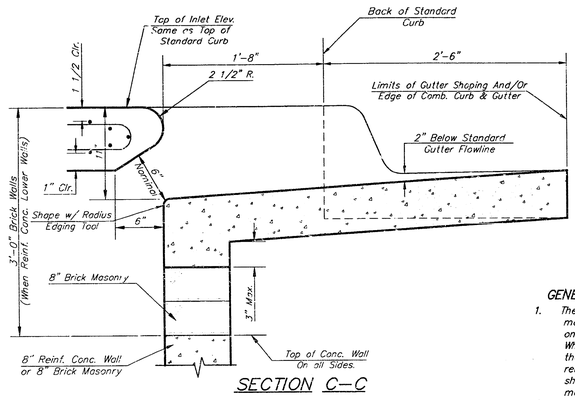
*Left Side Shown Without Slab Reinforcing, Right Side Shown With Slab Reinforcing



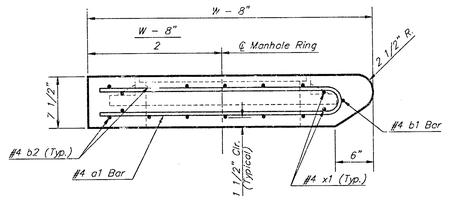
ELEVATION



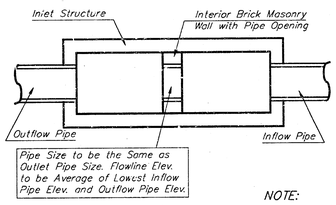
SECTION B–B



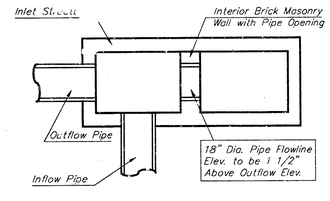
SECTION C–C



SECTION A–A

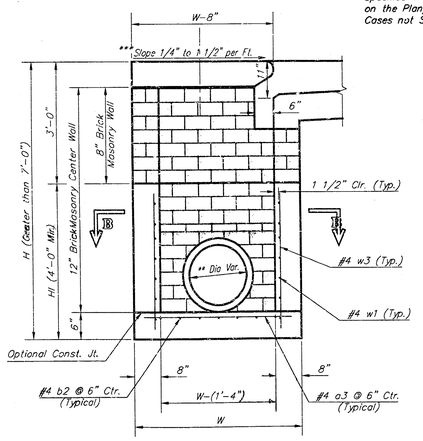


CASE I



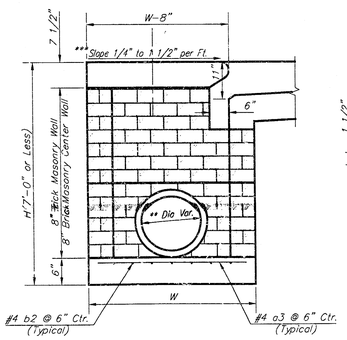
CASE II

NOTE:
Center Wall Pipe Size shall be as Specified in Inlet Construction Notes on the Plan/Profile Sheets for those Cases not Shown Here.



TYPICAL INLET SECTION AT CENTER WALL

(Reinforced Concrete Walls)



TYPICAL INLET SECTION AT CENTER WALL

(Masonry Walls)

NOTES:
** A center wall opening shall be provided by means of a section of reinforced concrete pipe. See Case I and Case II above.
*** Slope of inlet tops to match sidewalk of parking slopes within limits indicated

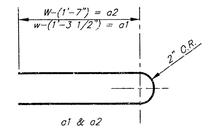
PRECAST SLAB AND FLOOR REINFORCING											
		W = 4'-4"		W = 5'-4"		W = 6'-4"		W = 7'-4"		W = 8'-4"	
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
* a1	#4	13	6'-7"	13	8'-7"	13	10'-7"	13	12'-7"	13	14'-7"
a2	#4	4	6'-0"	4	8'-0"	4	10'-0"	4	12'-0"	4	14'-0"
a3	#4	23	4'-1"	23	5'-1"	23	6'-1"	23	7'-1	23	8'-1"
b1	#4	1	9'-9"	1	9'-9"	1	9'-9"	1	9'-9"	1	9'-9"
* b2	#4	23	11'-1"	29	11'-1"	35	11'-1"	41	11'-1"	47	11'-1"
x1	#4	16	3'-10"	16	4'-2"	16	4'-6"	16	4'-10"	16	5'-2"

WALL REINFORCING											
		W = 4'-4"		W = 5'-4"		W = 6'-4"		W = 7'-4"		W = 8'-4"	
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
w1	#4	①	11'-1"	①	11'-1"	①	11'-1"	①	11'-1"	①	11'-1"
w2	#4	①	4'-1"	①	5'-1"	①	6'-1"	①	7'-1"	①	8'-1"
w3	#4	52	②	56	②	60	②	64	②	68	②

* Field Bend or Cut Reinforcing as Required for Clearance.
① 4 (Hl - 12") (Hl - 21") Rounded down to nearest 0.5'
② Hl - 3"

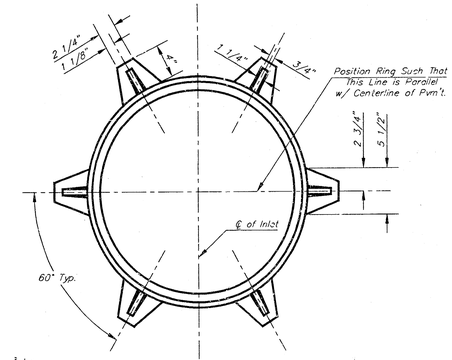
GENERAL NOTES:

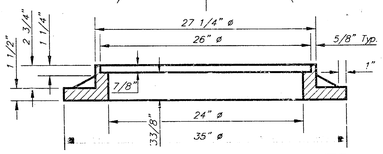
1. The contractor shall be required to construct 8" brick masonry walls between the concrete inlet base and top on this inlet when W=6'-4" or less and H=7'-0" or less. When W is greater than 6'-4" and H is less than 7'-0" the outside inlet walls below the brick stack shall be reinforced concrete construction and the center wall shall be of masonry construction as shown for the masonry wall option.
2. 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.
3. 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.
4. Inlet top reinforcing shall be spaced on 6" max. centers. Inlet lids shall be notched out as indicated to facilitate construction of curb. Bars in inlet top to be field bent or cut to clear manhole ring.
5. The ends of all pipes installed in inlets shall be cut off flush with the inside face of the inlet wall.



BENDING DIAGRAM

STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4'-4"	3'-8" 11'-4" 7 1/2"	21" & SMALLER	0.83±
5'-4"	4'-8" 11'-4" 7 1/2"	24" & 30"	1.09±
6'-4"	5'-8" 11'-4" 7 1/2"	36" & 42"	1.35±
7'-4"	6'-8" 11'-4" 7 1/2"	48" & 54"	1.61±
8'-4"	7'-8" 11'-4" 7 1/2"	60" & 66"	1.87±





MANHOLE RING AND COVER

Weight = 180 lbs.

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

Revised - Feb. 16, 1989

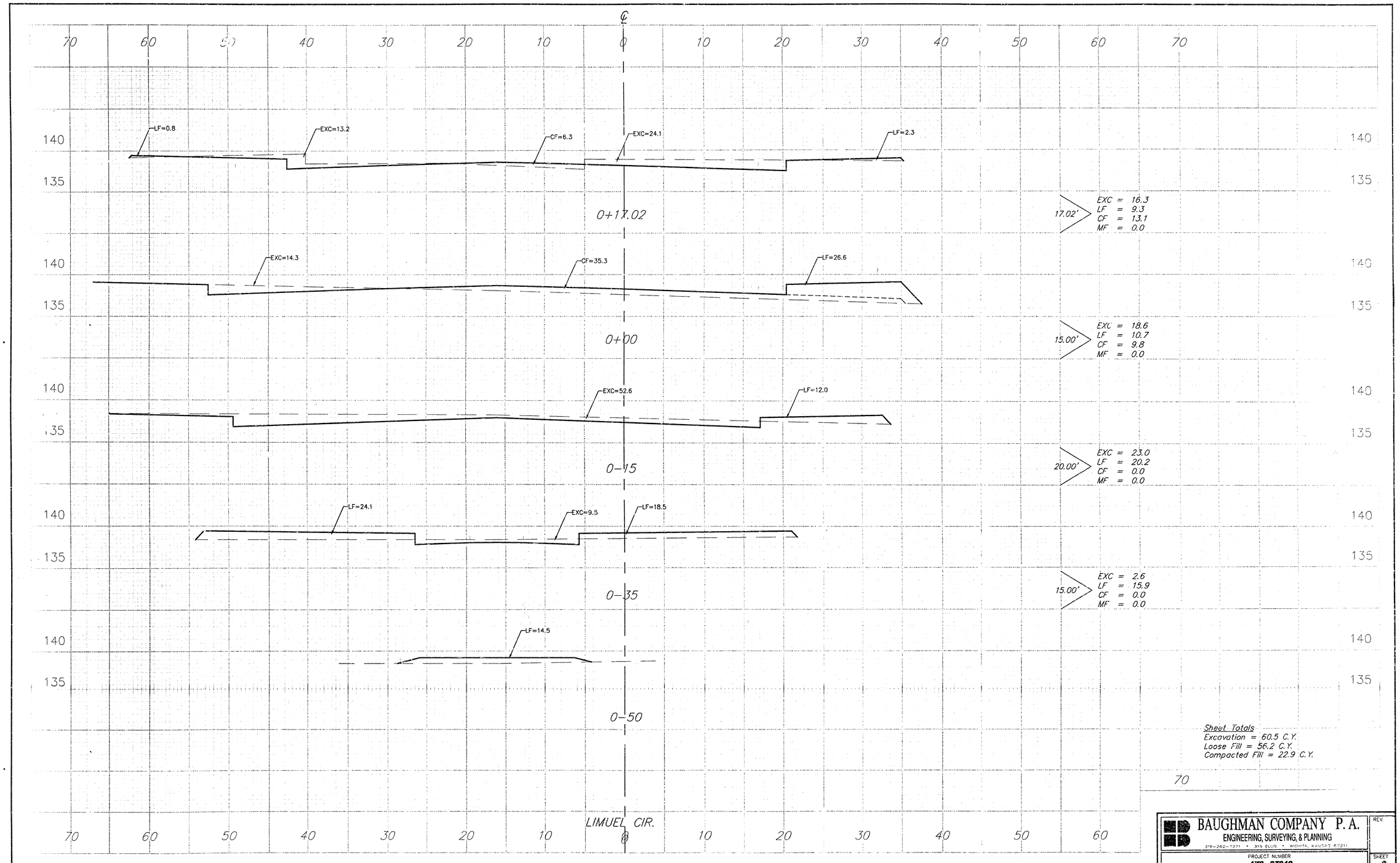
CITY OF WICHITA STANDARD TYPE 1A
Curb Inlet Details
INLET OPENING = 6' X 10'-0"

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

PROJECT NUMBER	SHEET	OF
472-63242	7	10

DESIGN	DRAWN	APPROVED	DATE	SCALE
C.O.W.	Staff		6/00	NONE

00-05-E108
TYP1A-0

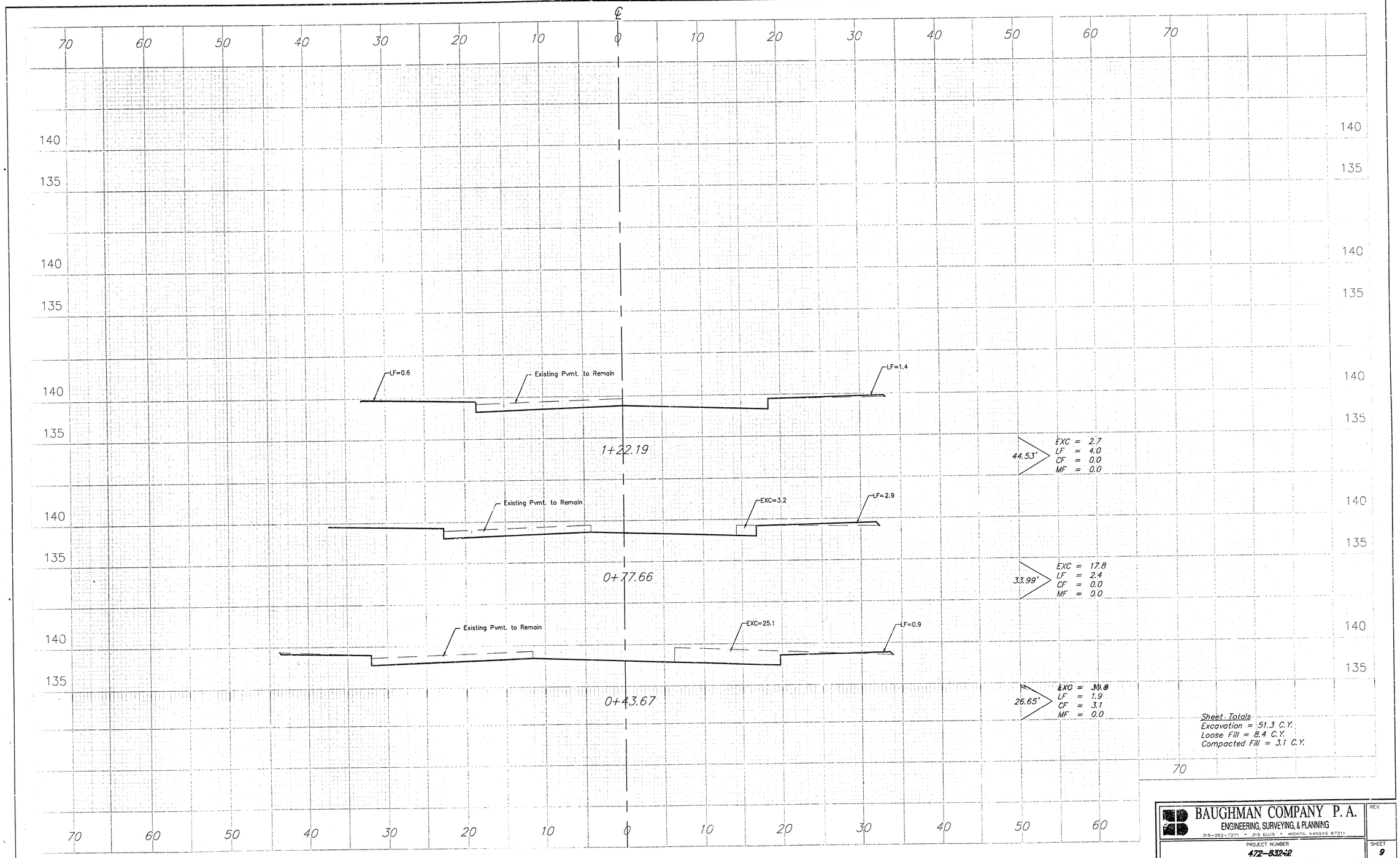


BAUGHMAN COMPANY P. A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

REV.

PROJECT NUMBER
472-83242

SHEET
8



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

REV.

PROJECT NUMBER
472-83242

SHEET
9

AUBURN HILLS 10TH ADDITION
WICHITA, SEDGWICK COUNTY, KANSAS

MINIMUM BUILDING PAD ELEVATION FOR LOWEST OPENING TO THE STRUCTURES			
LOT	BLOCK	MINIMUM ELEVATION	
		CITY DATUM	NGVD
1,2,3	A	140.0	1,327.4
4,5	A	139.0	1,326.4

BENCH MARKS: CITY DISC – 34.3' E. & 3.3' N. OF S.W. CORNER OF N.W. 1/4, SEC. 25, T-27-S, R-2-W.
ELEV. = 156.63 CITY DATUM
1,344.03 M.S.L.

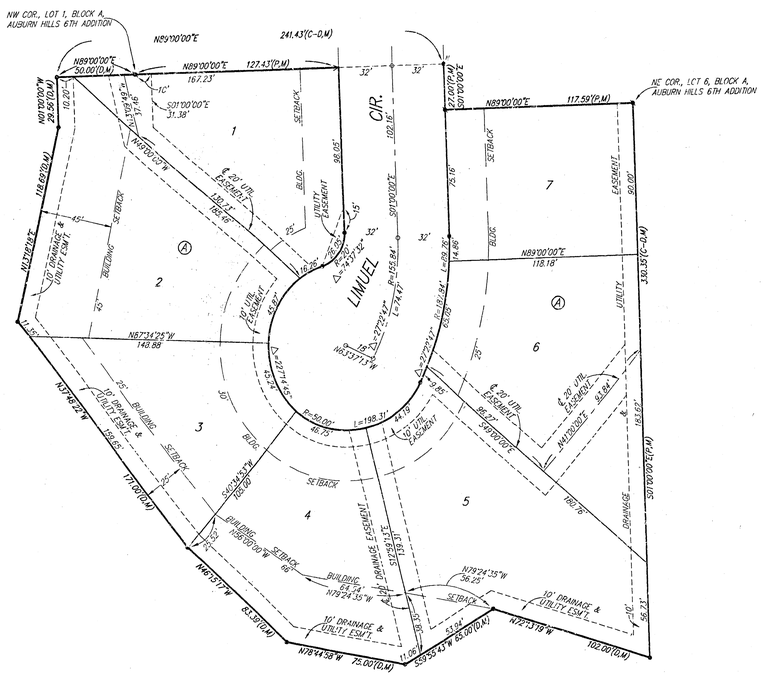
CITY DISC – 13STH ST. W. & MAPLE, 30' N. & 15' E. @ BOTH.
ELEV. = 150.20 CITY DATUM
1,337.60 M.S.L.

NOTE:
A MASTER GRADING PLAN FOR DRAINAGE HAS BEEN DEVELOPED FOR THIS SUBDIVISION AND IS ON FILE WITH THE CITY OF WICHITA, KANSAS. ALL DRAINAGE EASEMENTS, RIGHTS-OF-WAY, OR RESERVES SHALL REMAIN AT ESTABLISHED GRADES OR AS MODIFIED WITH THE APPROVAL OF THE CITY ENGINEER OF THE CITY OF WICHITA, KANSAS. NO OBSTRUCTIONS WHICH IMPEDE THE FLOW OF THIS DRAINAGE SYSTEM SHALL BE ALLOWED.



● = ¼ REBAR W/ "BAUGHMAN" CAP (SET)
■ = ¼ REBAR W/ "BAUGHMAN" CAP (FOUND)
> = "X" NOTCH (FOUND)
●N = "P-K" NAIL (SET)

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



State of Kansas) SS
Sedgwick County)

We, Baughman Company, P.A. Surveyors in aforesaid County and State do hereby certify that we have surveyed and platted "AUBURN HILLS 10TH ADDITION", Wichita, Sedgwick County, Kansas and that the accompanying plat is a true and correct exhibit of the property surveyed, described as and being a replat of all of Lots 1, 2, 3, 4, 5, and 6, Block A, Auburn Hills 6th Addition, Wichita, Sedgwick County, Kansas, TOGETHER with that part of Limuel Cir. as dedicated in said Auburn Hills 6th Addition, and TOGETHER with that part of Reserved "D", Auburn Hills 8th Addition, Wichita, Sedgwick County, Kansas, described as follows: Beginning at the NW corner of said Lot 1; thence S01°00'00"E along the rear line of said Lot 1, 35.84 feet to a deflection corner in the rear line of said Lot 1; thence S13°18'38"W along the rear line of said Lots 1 and 2, 135.52 feet to a deflection corner in the rear line of said Lot 2; thence S49°00'00"E along the rear line of said Lots 2 and 3, 174.52 feet to the rear corner common to said Lots 3 and 4; thence N86°00'00"E along the rear line of said Lot 4, 119.98 feet to a deflection corner in the rear line of said Lot 4; thence N41°00'00"E along the rear line of said Lots 4 and 5, 139.00 feet to a deflection corner in the rear line of said Lot 5, said deflection corner also being on the rear line of Lot 9, Block C, Auburn Hills 2nd Addition, Wichita, Sedgwick County, Kansas; thence S01°00'00"E along the rear line of said Lot 9 and Lot 8 in said Block C, and as extended south, 183.00 feet; thence N72°13'19"W, 102.00 feet; thence S59°55'43"W, 65.00 feet; thence N78°44'58"W, 75.00 feet; thence N46°15'17"W, 83.39 feet; thence N37°48'22"W, 171.00 feet; thence N13°18'18"E, 118.69 feet; thence N01°00'00"W, 29.56 feet to the intersection with the north line of Lot 1, Block A, in said Auburn Hills 6th Addition, as extended west; thence N89°00'00"E along said extended north line, 50.00 feet to the point of beginning.

All being situated in the NW1/4 of Sec. 25, Twp. 27-S, R-2-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 Company, P.A.

_____, 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, a Block, and a Street to be known as "AUBURN HILLS 10TH ADDITION", Wichita, Sedgwick County, Kansas. The utility easements are hereby granted as indicated for the construction and maintenance of all public utilities. The drainage and utility easements are hereby granted as indicated for drainage purposes and for the construction and maintenance of all public utilities. The street is 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.

Auburn Hills, Inc.

_____, President
Jay W. Russell

State of Kansas) SS
Sedgwick County)

The foregoing instrument acknowledged before me, this_____day of_____, 2000, by Jay W. Russell, President of Auburn Hills, Inc., on behalf of the corporation.

_____, Notary Public
My App't. Exp._____

We the undersigned, holders of a mortgage on the above described property, do hereby consent to this plat of "AUBURN HILLS 10TH ADDITION", Wichita, Sedgwick County, Kansas.

State Bank of Colwich

_____,
(Title)

State of Kansas) SS
Sedgwick County)

The foregoing instrument acknowledged before me, this_____day of_____, 2000, by_____, _____of State Bank of Colwich, on behalf of the bank.
(Title)

_____, Notary Public

This plat of "AUBURN HILLS 10TH ADDITION", Wichita, Sedgwick County, Kansas, has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.

Dated this_____day of_____, _____.
Wichita-Sedgwick County Metropolitan Area Planning Commission.

_____, Chairman
Francis S. Garofalo

_____, Secretary
Marvin S. Krout

This plat approved and all dedicatinns shown hereon accepted by the City Council of the City of Wichita, Kansas, this_____day of_____, 2000.

_____, Mayor
Bob Knight

_____, City Clerk
Pat Burnett

Reviewed in accordance with K.S.A. 58-2005 n this_____day of_____, 2000.

_____
Tricia L. Robello, LS #1246
Deputy County Surveyor
Sedgwick County, Kansas

Entered on transfer record this_____day of_____, 2000.

_____, County Clerk
James Alford

State of Kansas) SS
Sedgwick County)

This is to certify that this plat has been filed for record in the office of the Register of Deeds, this_____day of_____, 2000, at_____o'clock__M; and is duly recorded.

_____, Register of Deeds
Bill Meek

_____, Deputy
Linda Kizzire

10/10
01-03-12