Street Improvements For

ASHLEY PARK II ADDITION

BROWN THRUSH CIRCLE: From Brown Thrush Ct. to and Including Cul-De-Sac.
DOUGLAS: Cul-De-Sac Along the East Line Ashley Park II Addition.

Project No.

472-76-245-82151-000-000-001

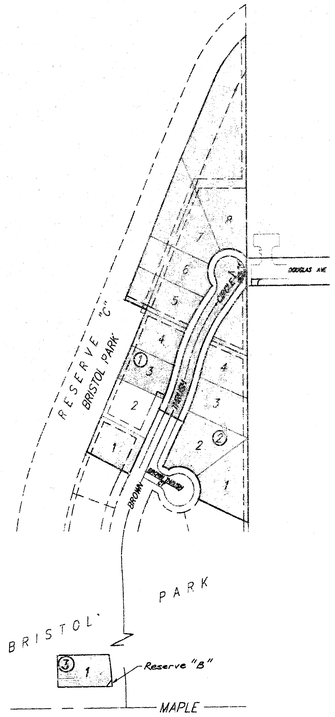
City of Wichita, Kansas - Michael E. Lindebak, City Engineer

INDEX CODE 761155

Index

1. TITLE SHEET
2. TYPICAL 35' PAVEMENT SECTION
3. BROWN THRUSH CIRCLE
4. DOUGLAS AVENUE TURNAROUND PLAN
5. INCIDENTAL DRAINAGE
6. TYPE 1A INLET DETAIL
7. EARTHWORK CROSS SECTIONS
8. PLAT OF ASHLEY PARK 2ND ADDITION

Scale: 1" = 150'



Benefit District

Booked 2-12-93
Per Plan, LKP
D-199

General Notes

1. Utility service lines, poles, valve boxes, meters, et cetera 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. 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 stockpiled or disposed of in a flood plain would require a Kansas State Board of Agriculture permit. Any material dumped in waters of the United States or wetlands is subject to U.S. Corps. 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.

3. This project includes a certain amount of roll type curb construction. Roll Curbs shall be depressed through all driveway openings when such drives are constructed as a part of the project.

4. No more than 3 drives 18 feet in width, or equivalent combinations thereof, are to constructed with this project.

5. 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.

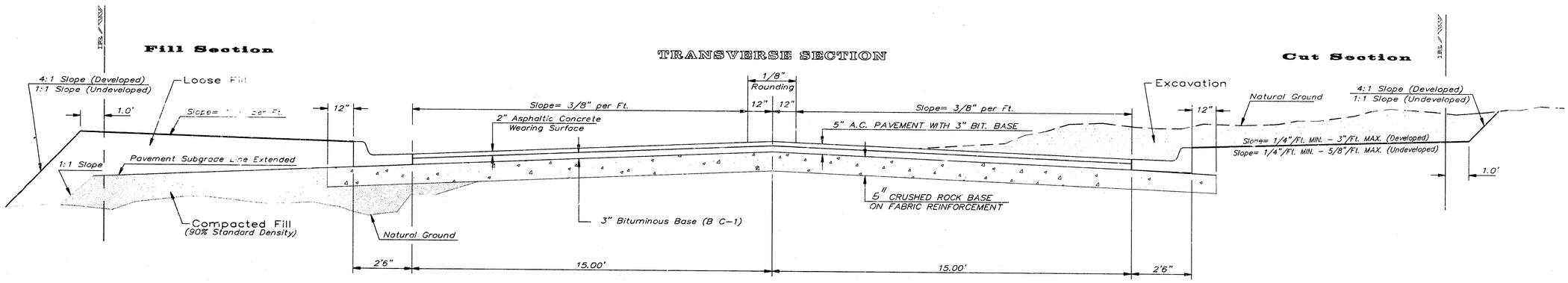
CHRISTOPHER MICHAEL BOHM
LICENSED
11631
KANSAS
PROFESSIONAL ENGINEER

12/26/91

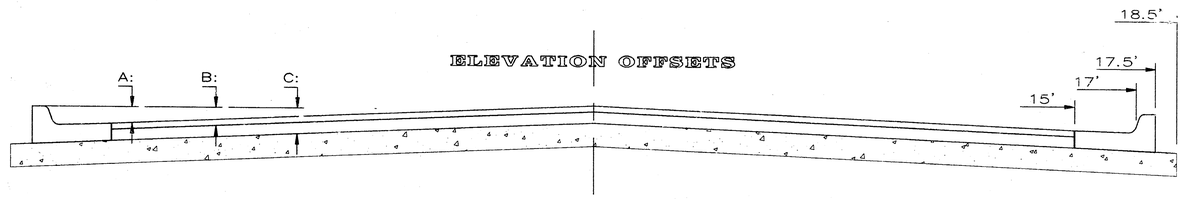
BAUGHMAN COMPANY P
ENGINEERING & SURVEYING
316/262-7271 • 315 ELLIS • WICHITA, KANSAS

TYPICAL 35' B-B PAVEMENT DETAILS

TRANSVERSE SECTION

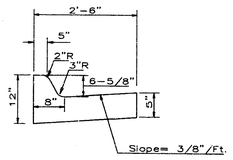


ELEVATION OFFSETS

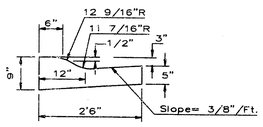


DISTANCE FROM CENTERLINE (LT. & RT.)

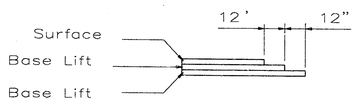
	0'	2'	4'	6'	8.5'	10'	12'	14'	15'	17'	17.5'	18.5'
A: Top of Curbs to Top of Surface Lift	0.04	0.08	0.14	0.21	0.29	0.33	0.39	0.46	0.49	–	–	–
B: Top of Curbs to Top of Upper Base Lift	0.21	0.25	0.31	0.37	0.45	0.50	0.56	0.62	0.65	–	–	–
C: Top of Curbs to Top of C. R. Subgrade	0.46	0.50	0.56	0.63	0.71	0.75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



COMBINED CURB & GUTTER

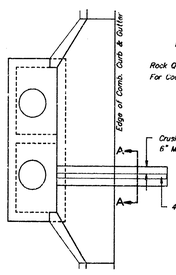


COMBINED ROLL TYPE CURB & GUTTER



TRANSVERSE CONSTRUCTION JOINTS

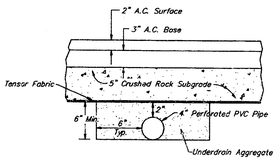
Transverse construction joints shall be constructed in flexible base pavements at locations where pavement joins existing flexible base pavement as shown by the detail. All costs associated with the construction of the transverse joint shall be included in the bid price for Square Yards 5" ASPHALTIC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



CRUSHED ROCK GRADATION REQUIREMENTS
Percent of Aggregate Retained

1 1/2"	0
3/4"	15-60
#4	40-80
#40	74-92
#200	4-12

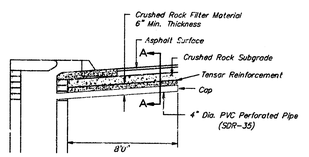
Rock Quality Shall Be The Same As Specified For Coarse Aggregate For Asphalt Concrete Mixes.



SECTION A--A

NOTE: Place 4" PVC Perforated Pipe at all drainage sump locations.

Cost of Underdrain System to be Incidental to the Reinforced Crushed Rock Subgrade.



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

PAVEMENT UNDERDRAIN DETAIL

General Notes

FABRIC BASE REINFORCEMENT SHALL BE B X 1100 GEOGRID AS MANUFACTURED BY TENSAR CORPORATION OR APPROVED EQUAL. FABRIC BASE REINFORCEMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. CRUSHED ROCK SHALL BE UNIFORMLY GRADED FROM 1-1/2" MAXIMUM SIZE TO NOT MORE THAN 10% PASSING A NO. 200 SIEVE. ROCK QUALITY SHALL BE THE SAME AS SPECIFIED FOR COARSE AGGREGATE FOR CONCRETE MIXES.

ROCK BASE IS TO BE COMPACTED AND SMOOTHED WITH A STEEL FACED ROLLER PROIR 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.)

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

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

REV.

PROJECT NUMBER
472 76 245 000 000 001

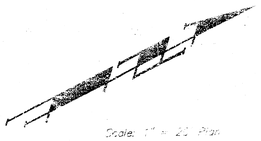
SHEET 2 OF 8

DESIGN	DRAWN	APPROVED	DATE	SCALE

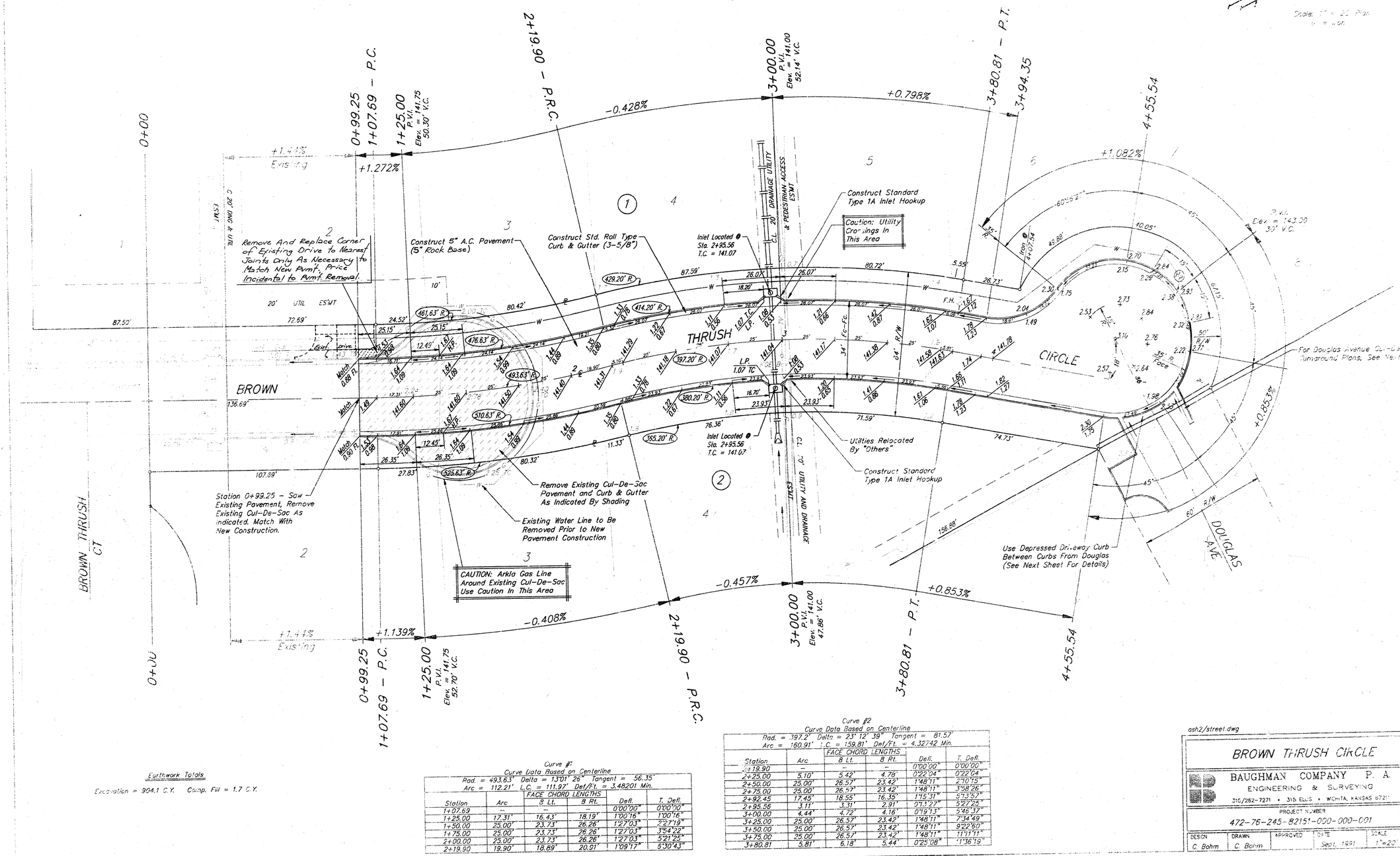
BENCH MARK:

SQUARE CUT, TOP OF SOUTH CURB OF DOUGLAS CIRCLE, 20' EAST OF EAST LINE OF ASHLEY PARK II
ELEVATION = 142.85 CITY DATUM
(1330.25 M.S.L.)

NOTE: ROLL TYPE CURB AND GUTTER TO BE CONSTRUCTED ON THIS PROJECT



Scale: 1" = 20' Plan
& Profile



Earthwork Totals

Excavation = 904.1 C.Y. Comp. Fill = 1.7 C.Y.

Curve #1
Curve Data Based on Centerline
Rad. = 493.63' Delta = 13°01'28" Tangent = 56.35'
Arc = 112.21' L.C. = 111.97' Def/Ft. = 3.48201 Min.

Station	Arc	FACE CHORD LENGTHS B Lt.	FACE CHORD LENGTHS B Rt.	Defl.	T. Defl.
1+07.69		–	–	0°00'00"	0°00'00"
1+25.00	17.31'	16.43'	18.19'	1°00'16"	1°00'16"
1+50.00	25.00'	23.73'	26.26'	1°27'03"	2°27'19"
1+75.00	25.00'	23.73'	26.26'	1°27'03"	3°54'22"
2+00.00	25.00'	23.73'	26.26'	1°27'03"	5°21'25"
2+19.90	19.90'	18.88'	20.91'	1°09'17"	6°30'43"

Curve #2
Curve Data Based on Centerline
Rad. = 397.2' Delta = 23°12'39" Tangent = 81.57'
Arc = 160.91' L.C. = 159.81' Def/Ft. = 4.32742 Min.

Station	Arc	FACE CHORD LENGTHS B Lt.	FACE CHORD LENGTHS B Rt.	Defl.	T. Defl.
2+19.90	–	–	–	0°00'00"	0°00'00"
2+25.00	5.10'	5.42'	4.78'	0°22'04"	0°22'04"
2+50.00	25.00'	26.57'	23.42'	1°48'11"	2°10'15"
2+75.00	25.00'	26.57'	23.42'	1°48'11"	3°58'26"
2+92.45	17.45'	18.55'	16.35'	1°15'31"	5°13'57"
2+95.56	3.11'	3.31'	2.91'	0°13'27"	5°27'25"
3+00.00	4.44'	4.72'	4.16'	0°19'13"	5°46'37"
3+25.00	25.00'	26.57'	23.42'	1°48'11"	7°34'49"
3+50.00	25.00'	26.57'	23.42'	1°48'11"	9°22'60"
3+75.00	25.00'	26.57'	23.42'	1°48'11"	11°11'11"
3+80.81	5.81'	6.18'	5.44'	0°25'08"	11°36'19"

ash2/street.dwg

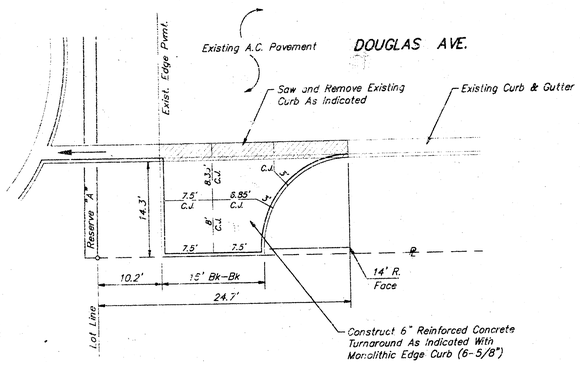
BROWN THRUSH CIRCLE

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

PROJECT NUMBER
472-76-245-82151-000-000-001

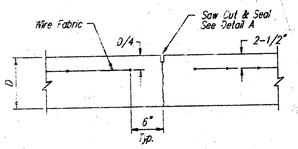
SHEET 5 OF 8

DESIGN	DRAWN	APPROVED	DATE	SCALE
C. Bohm	C. Bohm		Sept. 1991	1"=20'

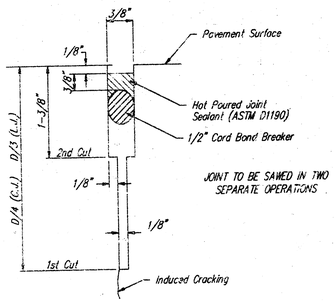


TURNAROUND JOINT DETAIL

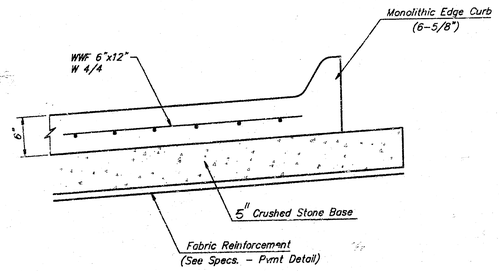
Scale: 1" = 10'



CONTRACTION JOINT DETAIL (C.J.)

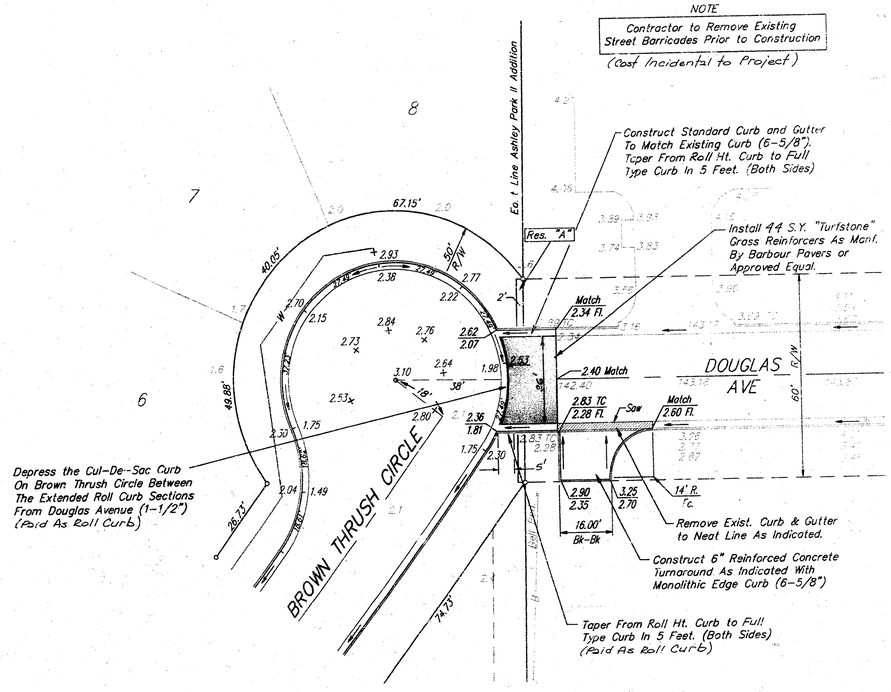


SAW JOINT DETAIL



BENCH MARK:

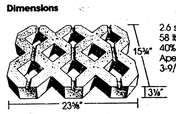
SQUARE CUT, TOP OF SOUTH CURB OF DOUGLAS CIRCLE, 20' EAST OF EAST LINE OF ASHLEY PARK II
ELEVATION = 142.85 CITY DATUM
(1330.25 M.S.L.)



Scale: 1" = 20'
o = Iron

GRASS REINFORCER DETAILS

Dimensions



Quantity needed per 10 sq. ft. approx. 4 units

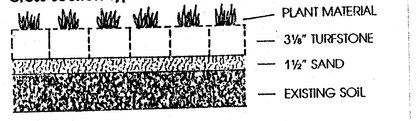
Installation for Erosion Control

Erosion control applications require the slope to be graded uniformly (ideally to a 2:1 or gentler slope) before bedding Turfstone in a thin layer of sand. To prevent migration of the fine granular material it may be necessary to place a man-made filter cloth on the graded slope before applying the sand. The filter fabric should permit revegetation. To support plant growth the openings must be filled within ½ in. (15mm) of the surface with suitable topsoil or mixture of soil and fertilizer and then seeded, sprigged or plugged.

Residential and Commercial Pavement Instalation

For residential applications remove soil to a depth of approx. 4½ in. (105mm). Wet and compact area with a tamper or vibrator. Spread clean sand to a depth of approx. 1½ in. (35mm) and screed level. Set Turfstone units and seat with tamper uniformly level. Follow Erosion control revegetation procedures.

Cross Section Typical Residential Installation



—Notes—

1. Seeding of the Grass Reinforcers Will Be Done By Others.
2. The Bid Item for "Turfstone" Grass Reinforcers shall include the 1-½" Sand Base and the 3-⅛" Turfstone Reinforcing Blocks.

DOUGLAS AVENUE TURNAROND

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

PROJECT NUMBER
472-76-245-82151-000-000-001

SHT. 4 OF 13

DESIGN	DRAWN	APPROVED	DATE	SCALE
C. Bohm	C. Bohm		Sept. 1991	1"=20'

BENCH MARK:
SQUARE CUT TOP OF SOUTH CURB
OF DOUGLAS CIRCLE, 20' EAST OF
EAST LINE OF ASHLEY PARK II
ELEVATION = 142.85 CITY DATUM
(1330.25 M.S.L.)

EXISTING 10" WATER MAIN

EXISTING 10" SANITARY SEWER MAIN

Scale: 1" = 20'
0 = Iron

Note: Distance of Ditch Regrading
Per Addition Grading Plan To
Be Done By "Others"

Station 2+00 – Construct
Standard Type 1A Inlet
(L = 6'-4" x W = 4'-4")
Top Elevation = 141.07

Caution: Underground
Utilities In This Area

Station 2+41.3 – Construct
Standard Type 1A Inlet
(L = 6'-4" x W = 4'-4")
Top Elevation = 141.07

Regrade 20 L.F. Ditch
To Match New Pipe

Station 2+66.3 – End 15" R.C.P.
W/ End Section

Station 0+35 – Begin Installation 21"
R.C.P. W/ End Section. Install 17 S.Y.
Light Stone Rip-Rap As Indicated

Remove And Replace
Conc. Walk As Necessary

CIRCLE

THURSH

BROWN

64' R/W

34' F-F

CL 20' UTILITY ESMT

CL 20' UTILITY

& PEDESTRIAN ACCESS

10' PEDESTRIAN ACCESS ESMT

Edge of Water

Existing Ground

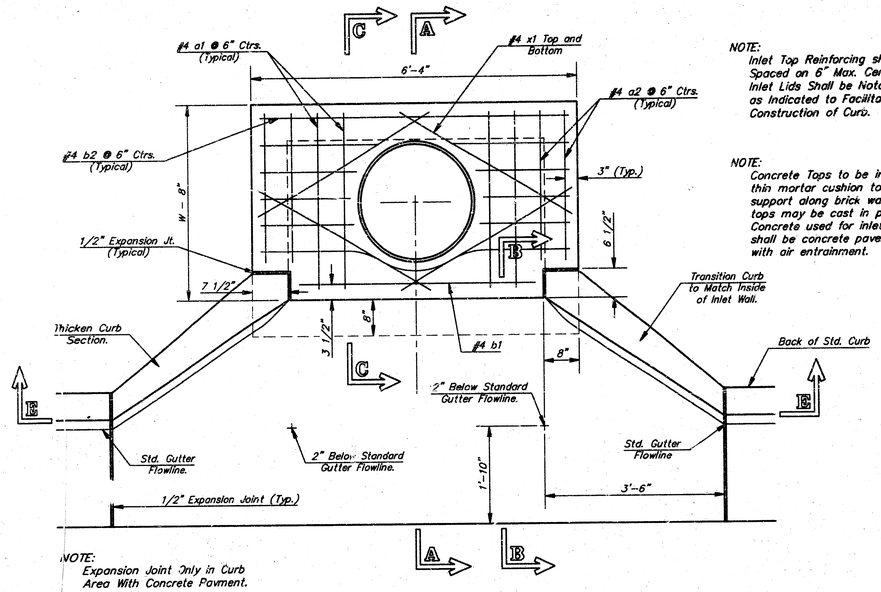
Flowable Fill

W.S. Elev. = 139.8

Existing Utility Crossing
Water Main Encased In
Concrete Encasement

Existing Utility Crossing
Water Main Encased In
Concrete Encasement

Existing Utility Crossing
Water Main Encased In
Concrete Encasement

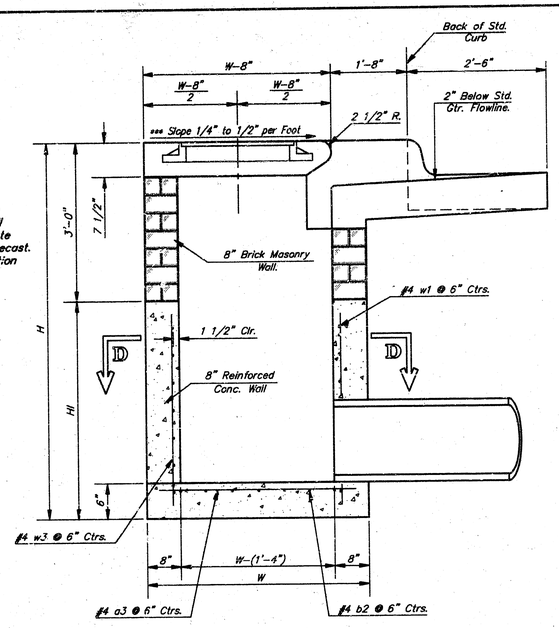


NOTE: Expansion Joint Only in Curb Area With Concrete Pavment.

NOTE: Inlet Top Reinforcing shall be Spaced on 6" Max. Centers. Inlet Lids Shall be Notched Out as Indicated to Facilitate Construction of Curb.

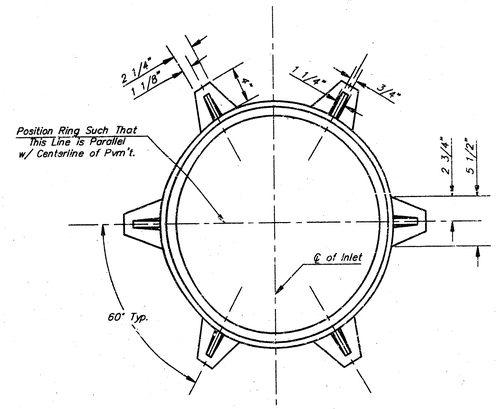
NOTE: Concrete Tops to be installed on thin mortar cushion to insure full support along brick walls. Concrete tops may be cast in place or precast. Concrete used for inlet construction shall be concrete pavement mix with air entrainment.

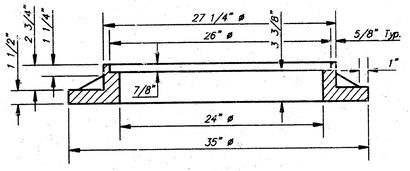
PLAN



SECTION A-A

***NOTE: Slope of inlet tops to Match Sidewalk or Parking Slopes within Limits Indicated.

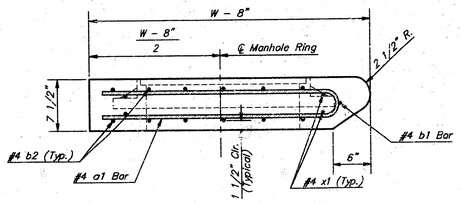




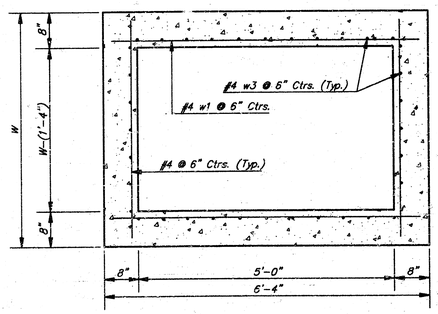
MANHOLE RING AND COVER

Weight = 180 Lbs.

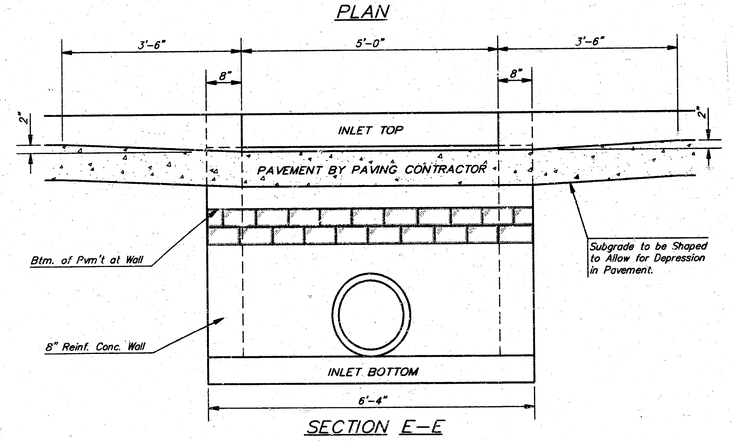
*See City of Wichita Standard Manhole Ring and Cover Detail Sheet for Cover Details to Be Used With Inlet Frame.



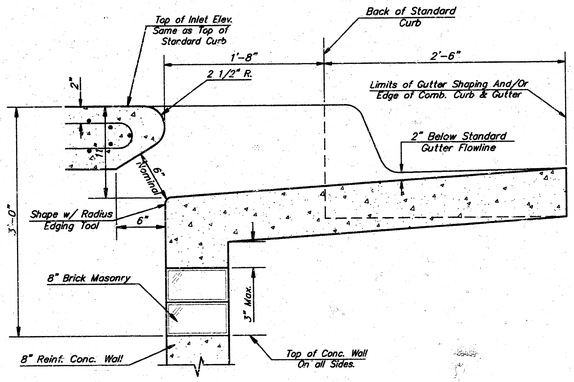
SECTION A-A



SECTION D-D



SECTION E-E



SECTION B-B

NOTE: 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.

Additional curb and gutter construction necessary to connect set-back inlet to pavement will be paid for at the unit price bid for each inlet hookup.

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.

The ends of all pipes installed in inlets shall be cut off flush with the inside face of the inlet wall

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	6	6'-7"	6	8'-7"	6	10'-7"	6	12'-7"	6	14'-7"
a2	#4	4	6'-0"	4	8'-0"	4	10'-0"	4	12'-0"	4	14'-0"
a3	#4	13	4'-1"	13	5'-1"	13	6'-1"	13	7'-1	13	8'-1"
b1	#4	1	4'-9"	1	4'-9"	1	4'-9"	1	4'-9"	1	4'-9"
* b2	#4	23	6'-1"	29	6'-1"	35	6'-1"	41	6'-1"	47	6'-1"
x1	#4	8	3'-10"	8	4'-2"	8	4'-6"	8	4'-10"	8	5'-2"

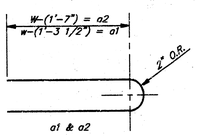
WALL REINFORCING

		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	6'-1"	①	6'-1"	①	6'-1"	①	6'-1"	①	6'-1"
w2	#4	①	4'-1"	①	5'-1"	①	6'-1"	①	7'-1"	①	8'-1"
w3	#4	32	②	36	②	40	②	44	②	48	②

* Field Bend or Cut Reinforcing as Required for Clearance.

① 4 (HI - 12") (HI - 21") Rounded down to nearest 0.5'

② HI - 3"



BENDING DIAGRAM

STANDARD CURB INLET PRECAST TOPS

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

Revised - Feb. 16, 1989

CITY OF WICHITA STANDARD TYPE 1A

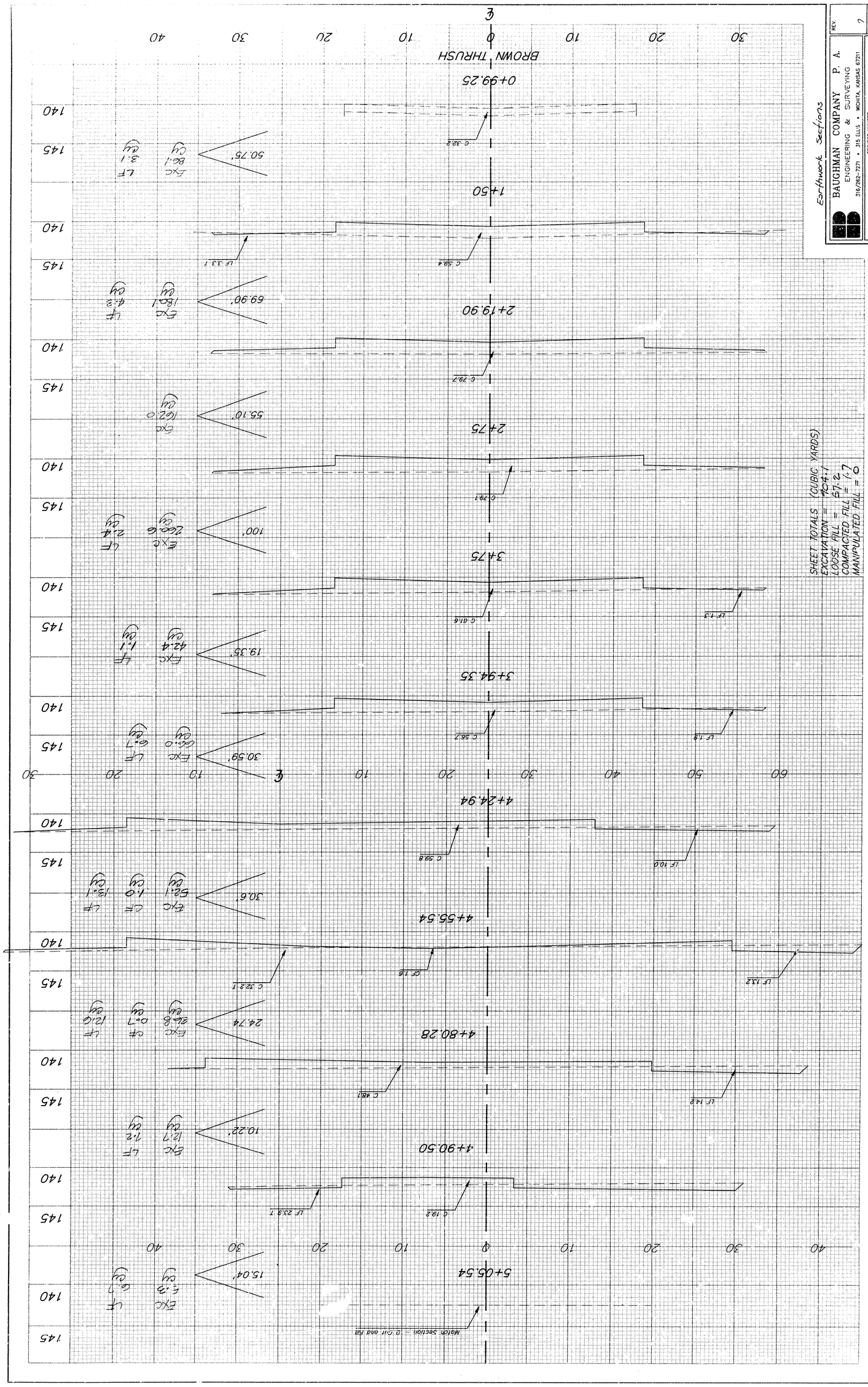
CURB INLET DETAILS

INLET OPENING = 6" x 5'-0"

PROJECT NUMBER

SHEET 6 OF 8

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



Earthwork Sections

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

PROJECT NUMBER
472-76-245-82151-000-000-001

REV. 7
SHEET 8

ASHLEY PARK II

AN ADDITION TO
WICHITA, SEDGWICK COUNTY, KANSAS

Know all men by these presents that we, the undersigned, have caused the land described in the surveyors certificate to be platted into Lots, Reserves, Blocks and Streets to be known as "ASHLEY PARK II", an Addition to Wichita, Sedgwick County, Kansas. Reserve "A" is hereby reserved for landscaping, emergency fire lane access and for drainage and utility easement purposes. Reserve "B" is hereby reserved for landscaping, entry features, signage, screening wall and for the construction and maintenance of all public utilities. Reserves "A" and "B" shall be owned and maintained by the home owners association for the addition. The screening wall easement is hereby granted for the construction and maintenance of a private screening wall and utility main lines and service lines are allowed to cross this easement. The floodway easement is hereby granted for drainage purposes and shall be the responsibility of the owners of Lots 5, 6, 7, and 8, Block 1, until such time as the governing body exercising jurisdiction elects to assume responsibility for the maintenance and improvements of the drainage, provided further that no building, fencing or similar drainage obstructions, shall be constructed on or within said floodway easement, nor shall any fill, change of grade, creation of channel or other work be carried on without the permission of the appropriate governing body. With such permission of said appropriate governing body additional improvements and/or activities, such as landscaping, walkways, lakes and other uses which are not in conflict with drainage, may be permitted within said floodway easement. The utility easements are hereby granted for the construction and maintenance of all public utilities. The drainage easements are hereby granted for drainage purposes. The pedestrian access easements are hereby granted as indicated for access to the previously platted reserve. The streets are hereby dedicated to and for the use of the public. All abutters rights of access to or from Maple St., over and across the south line of Lot 1, Block 3 and Reserve "B" and to or from Douglas Ave., over and across the east line of Reserve "A" are hereby granted to the City of Wichita, provided however that Reserve "1" shall have access to Douglas Ave. for emergency fire lane purposes as shall be determined by the City Engineer of the City of Wichita, Kansas. Minimum Building Pad Elevations for lowest openings to structures are as shown on the face of the plat.

Bristol Park, Inc.

J.W. Russell — President

Cheney Construction Co., Inc.

Randy Cheney — President

Ashley Park Homeowners' Association, Inc.

Curtis Dorn — President

State of Kansas) Sedgwick County) SS The foregoing instrument acknowledged before me, this ____ day of ____ 1991, by J.W. Russell, President of Bristol Park, Inc. and by Randy Cheney, President of Cheney Construction Co., Inc. and by Curtis Dorn President of Ashley Park Homeowners' Association, Inc., on behalf of their respective corporations.

My App't. Exp. ____ ____ Notary Public

We, the undersigned, holders of a mortgage on the above described property, do hereby consent to this plat of "ASHLEY PARK II", an Addition to Wichita, Sedgwick County, Kansas.

Fidelity Savings Association of Kansas

Toni R. Keenan — Asst. Vice-Pres.

Bank IV of Wichita, N.A.

Gary K. Brown — Vice Pres.

State of Kansas) Sedgwick County) SS The foregoing instrument acknowledged before me, this 30th day of September 1991, by Toni R. Keenan Asst V.P. of Fidelity Savings Association of Kansas, on behalf of the association.

My App't. Exp. 01-05-94 Tracy Herrell Notary Public

TRACY HERRELL NOTARY PUBLIC STATE OF KANSAS My Appt. 30-01-05-94

State of Kansas) Sedgwick County) SS The foregoing instrument acknowledged before me, this 30th day of September 1991, by Gary K. Brown of Bank IV of Wichita, N.A. on behalf of the corporation.

My App't. Exp. 1-3-95 Ann D. Ehrlich Notary Public

ANN D. EHRLICH NOTARY PUBLIC STATE OF KANSAS My Appt. Exp. 1-3-95

This plat of "ASHLEY PARK II", an Addition to 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 ____ 1991.

Wichita-Sedgwick County Metropolitan Area Planning Commission.

George D. Sherman — Chairman

Marvin S. Krout — Secretary

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 "ASHLEY PARK II", an Addition to 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 Lots 11, 12, 13, 14, 15, 16, 17, and 18, Block 1, and Lots 1, 2, 3, 4, and 5, Block 2, and all of Reserve "B", together with that part of Brown Thrush Circle, lying northeasterly of a line extending from the point of curvature of the Cul-De-Sac of said Brown Thrush Circle to the point of tangency of the Cul-De-Sac of said Brown Thrush Circle, and together with all of Douglas Circle, and together with that part of Reserve "C", lying east of the west line of Lot 1, Block 1, extended south to the north line of Maple St., and together with that part of Reserve "C", lying northerly of the southwesterly line of Lot 4, Block 2, extended northwesterly, except the westerly 55 feet of said Reserve "C", adjacent thereof, all as platted in Bristol Park an Addition to Wichita, Kansas.

All being situated in the SE1/4 of Sec. 21, Twp. 27-S, R-1-W of the 6th P.M., Sedgwick County, Kansas.

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

Date 12 SEP 91

Baughman Company, P.A.

Mark A. Savoy — Surveyor

Mark A. Savoy Registered LS-788 Kansas Land Surveyor

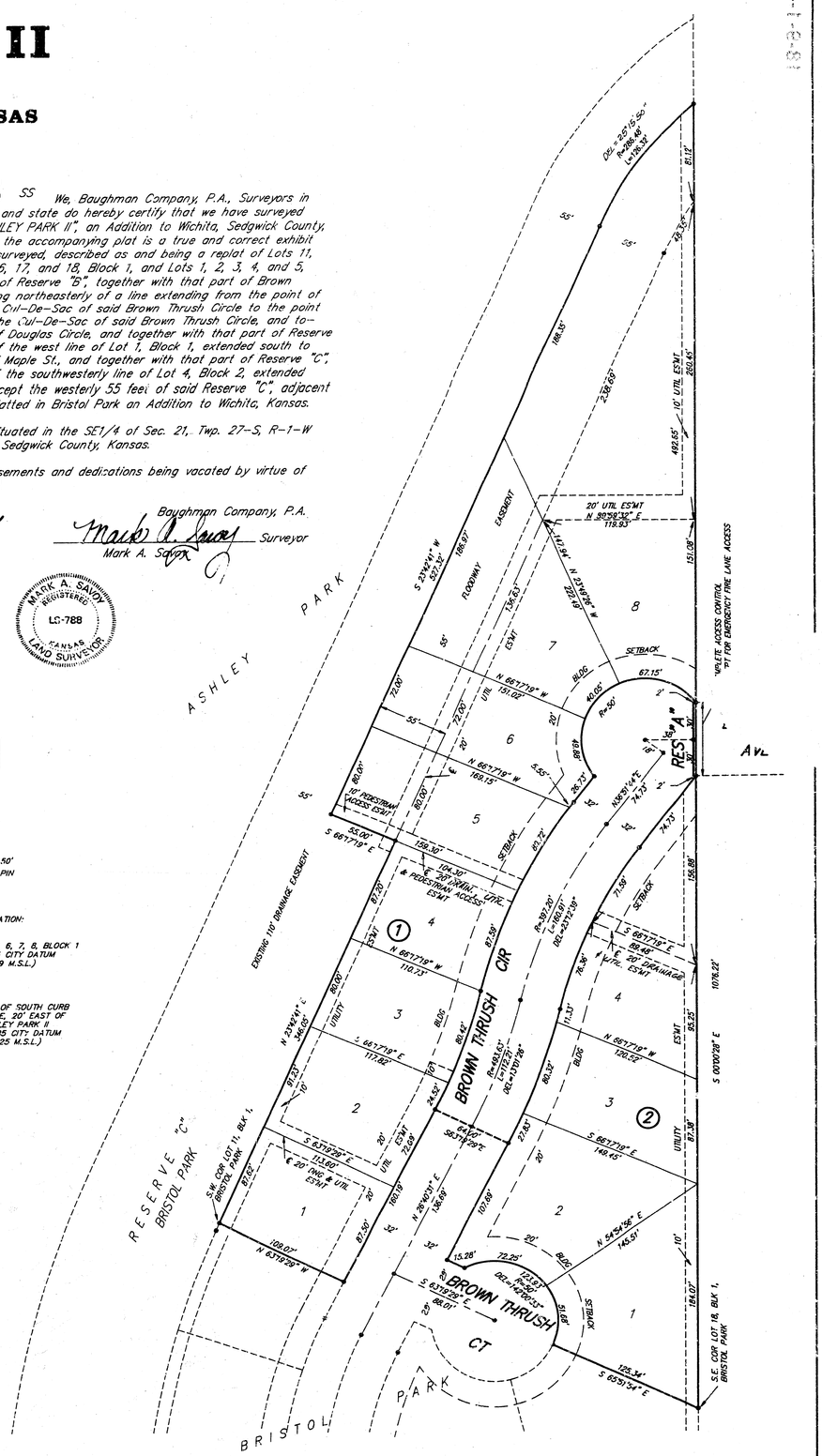
1" = 50'

• = PIN

MINIMUM PAD ELEVATION:

LOWEST OPENING
LOTS 1, 2, 3, 4, 5, 6, 7, 8, BLOCK 1
ELEVATION = 1405 CITY DATUM
(1327.9 M.S.L.)

BENCH MARK:
SQUARE CUT, TOP OF SOUTH CURB OF DOUGLAS CIRCLE, 20' EAST OF EAST LINE OF ASHLEY PARK II
ELEVATION = 1412.85 CITY DATUM
(1330.25 M.S.L.)



This plat approved and all dedications shown hereon accepted by the City Council of the City of Wichita, Kansas, this ____ day of ____ 1991.

Bob Knight — Mayor

Pat Burnett — Deputy City Clerk

Entered on transfer record this ____ day of ____ 1991.

Don Wright — County Clerk

State of Kansas) Sedgwick County) SS This is to certify that this instrument has been filed for record in the office of the Register of Deeds, this ____ day of ____ 1991, at ____ o'clock ____ M; and is duly recorded.

Pat Kettler — Register of Deeds

Ed Resa — Deputy

8/8