

STORM WATER DRAIN
TO SERVE
BUCKHEAD ADDITION

Private Project No.
678PPS (607861)

CITY OF WICHITA, KANSAS
Michael E. Lindebak City Engineer
AUGUST, 1995

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:

Cablevision 262-4270
or 263-2061
K.P.L. Gas Service Company 383-8650
Kansas Gas & Electric Company 383-8600
Arda 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
Central Kansas Railway 263-3113

2. 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.

3. 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.

4. 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.

5. The Contractor shall be responsible for preserving property irons. The Contractor will be required to re-establish any property irons which are damaged or destroyed by his construction operations. Such irons shall be re-established by a licensed land surveyor in accordance with state laws.

6. All disturbed areas are to be seeded, fertilized, and mulched as follows:

SEED--Kansas Premium Fescue Blend--6#/1000 Sq. Ft. (Equal parts of Olympic II, Bonanza, Apache, and Monarch Fescue varieties)
FERTILIZER--16-20-6 Ratio--4#/1000 Sq. Ft. or approved equals
MULCH--2 tons of Prairie Hay/Acre

7. Rubble from the removal of miscellaneous structures, including trees and shrubs which are 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 sights 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.

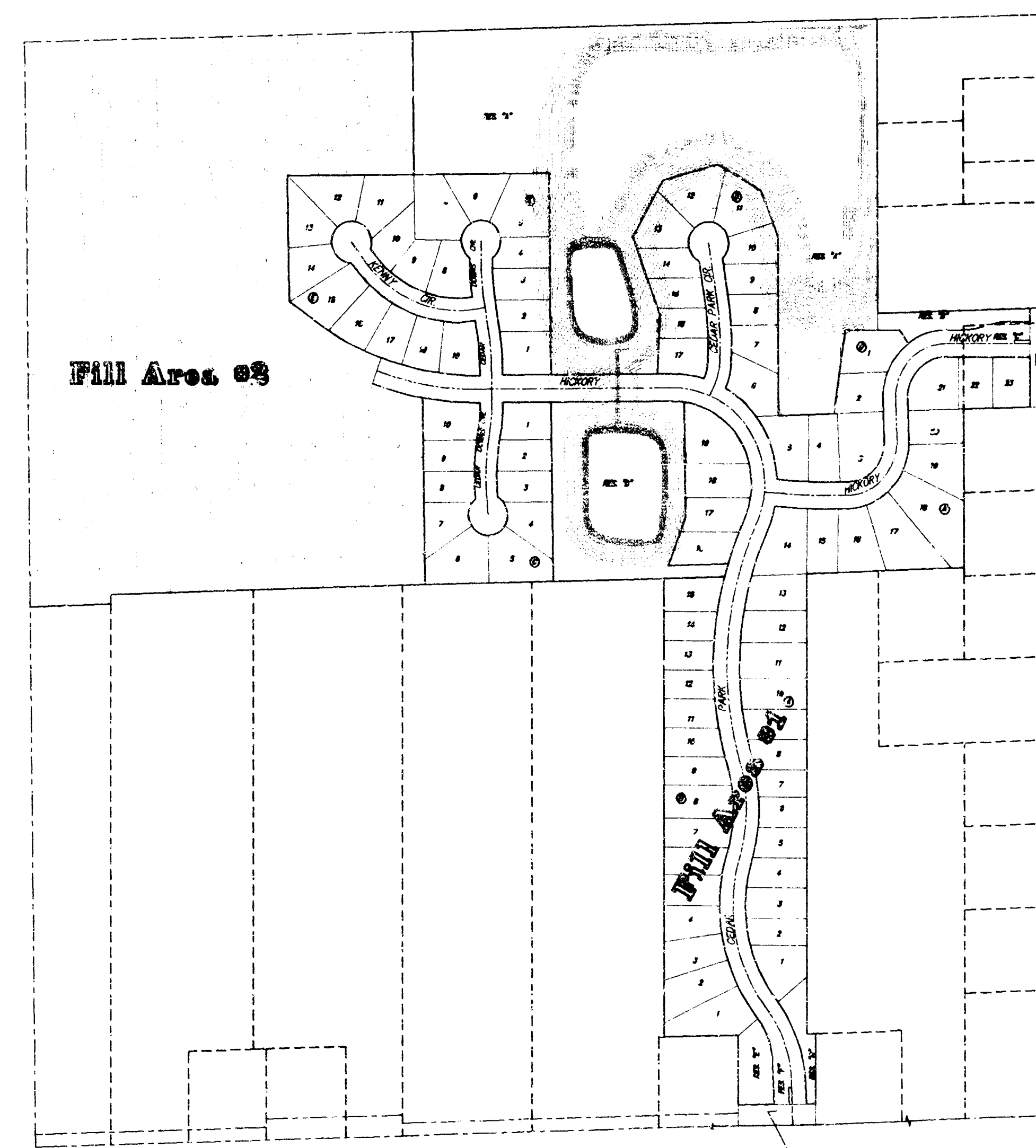
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Benchmarks:

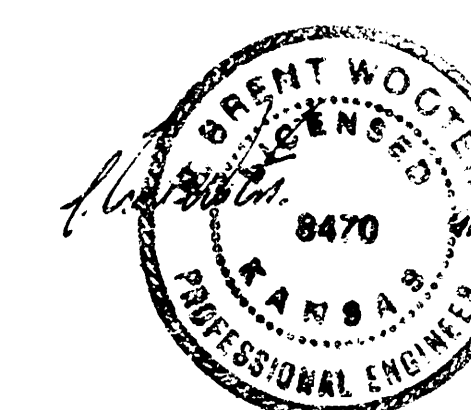
BM #1 City of Wichita Disc @ SE Corner of 119th & Central, 40' E & 46' S of C of Both. Elev. = 156.93 City Datum

BM #2 City of Wichita Disc @ 119th Street West & Cowskin Creek Bridge, Located on the SE Corner at Top of Hucguard. Elev. = 151.77 City Datum.



Project Area

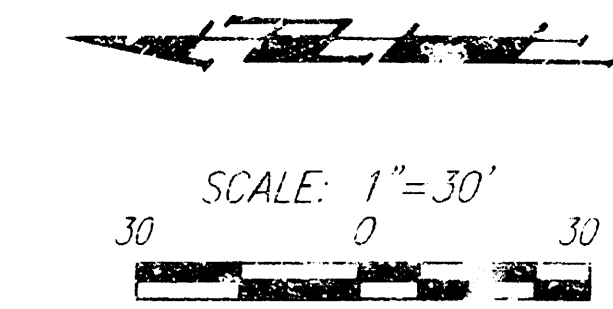
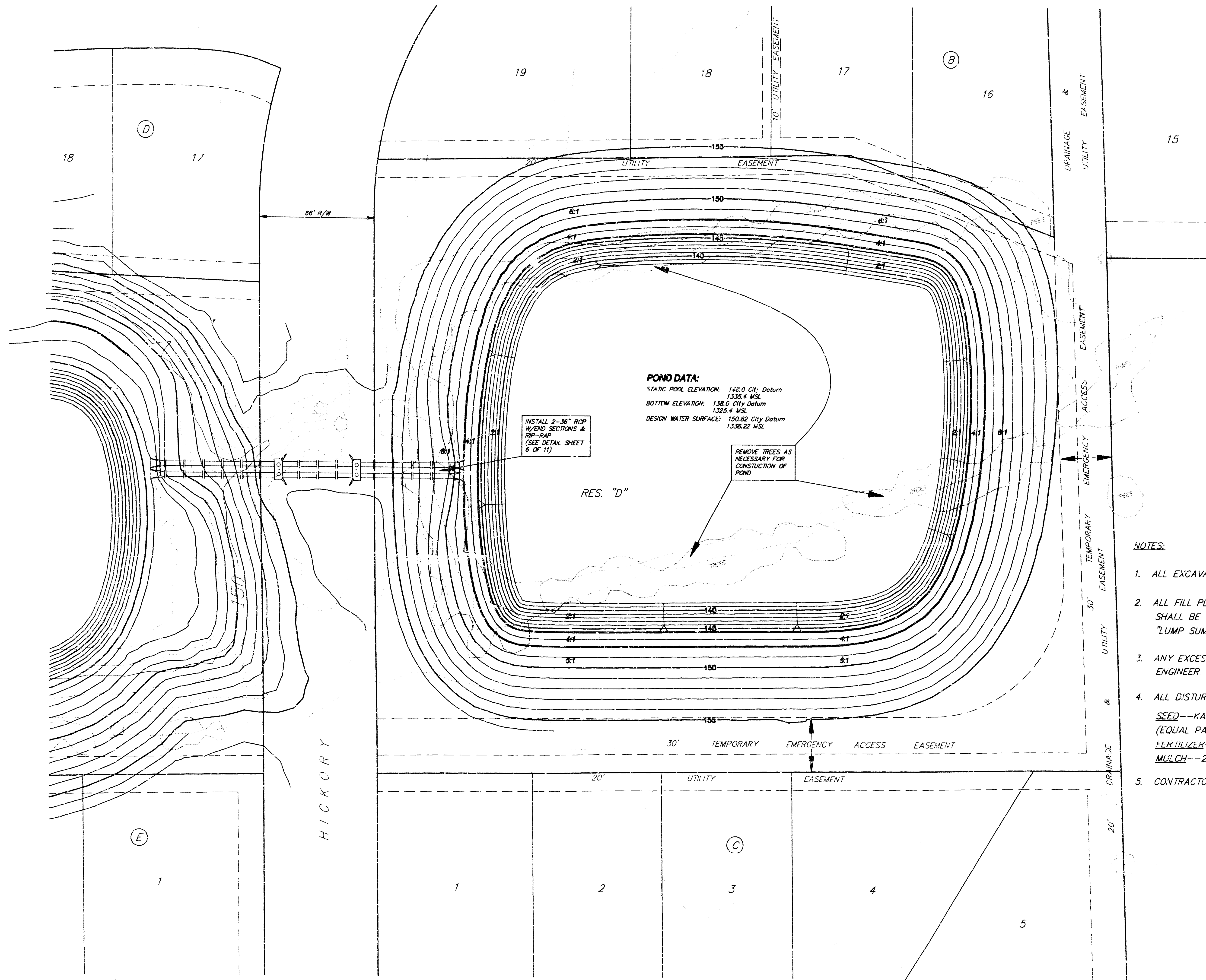
APPROVED AS NOTED BY CITY ENGINEER OF WICHITA	
Sanitary Sewers	
Storm Sewers	VRH 9/2/95
Driveway Approaches	
Water Mains	
Paving	
NOTE TO CONTRACTORS	
Inspection and testing for this project is to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Said inspection to be in accordance with the City of Wichita standard construction engineering practices and certified by a Licensed Professional Engineer. No work shall be performed in dedicated easements or public right-of-way by the Contractor without such inspection nor shall any work be commenced without written authorization by the City Engineer. All Construction and Materials shall comply with the City of Wichita Specifications and Standards (on file and available in the City Engineer's Office).	



BOOKED ASBUILT AS PER PLAN
D-287
MCG
2/1/96
F3

BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67201

1/12



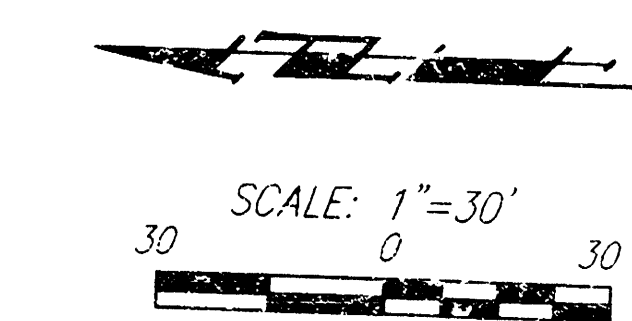
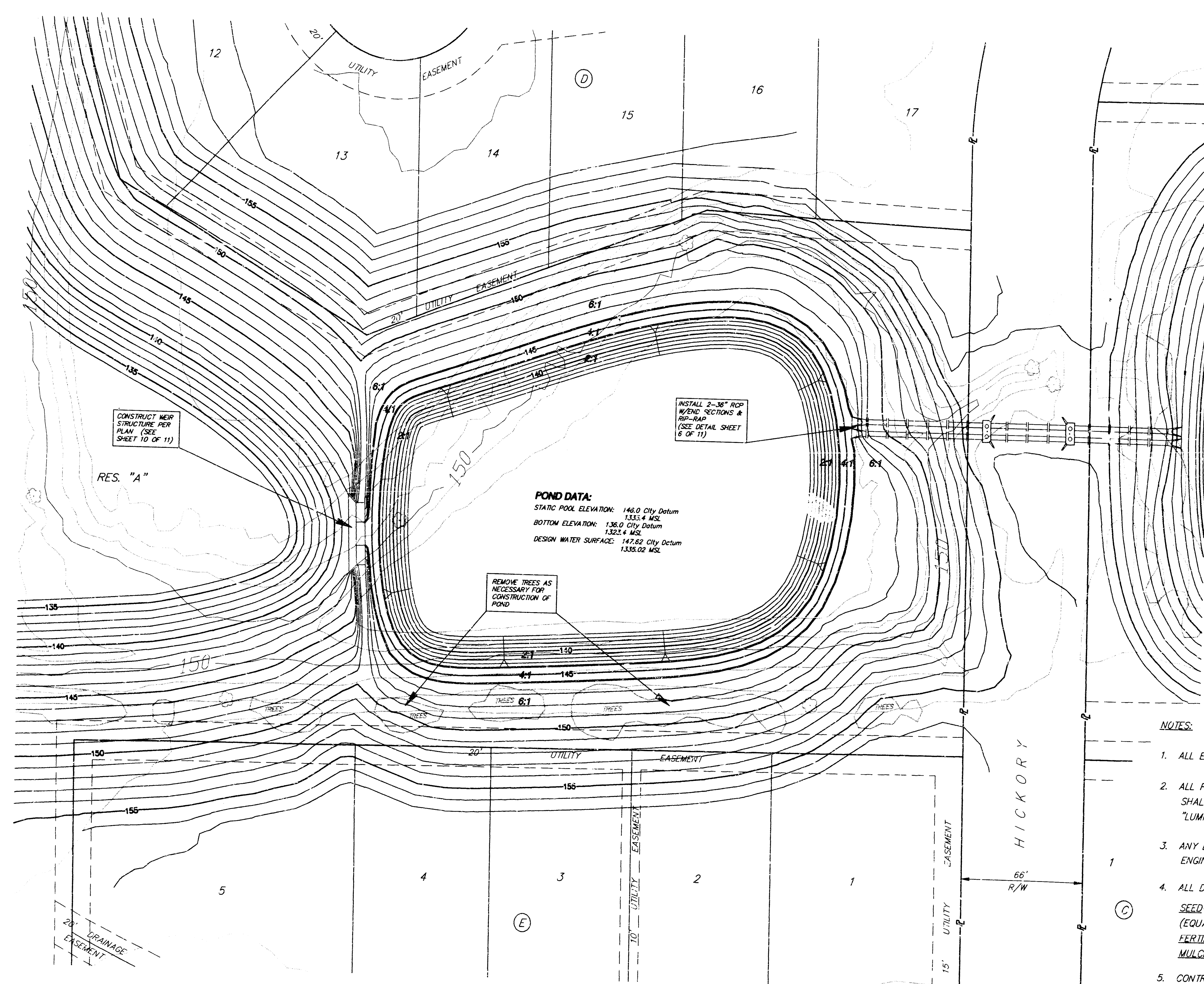
BENCHMARKS:

- BM #1 City of Wichita Disc @ SE Corner of 119th & Central, 46' E & 46' S of C of Both Elev. = 156.93 City Datum
- BM #2 City of Wichita Disc @ 119th Street West & Cowskin Creek Bridge, Located on the SE Corner at Top of Hubguard. Elev. = 151.77 City Datum.

NOTES:

1. ALL EXCAVATION OF ON-SITE MATERIAL TO BE PLACED PER "GRADING PLAN". (SEE SHEET 2 OF 11)
2. ALL FILL PLACED WITHIN STREET RIGHT-OF-WAYS SHALL BE COMPACTED TO 90% STD DENSITY AND SHALL BE VERIFIED BY A LICENSED SOILS ENGINEER DURING CONSTRUCTION. TESTING SHALL BE BID "LUMP SUM" AND IS TO BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. ANY EXCESS EXCAVATION SHALL BE STORED ON-SITE AT A LOCATION TO BE DETERMINED BY THE ENGINEER.
4. ALL DISTURBED AREAS ARE TO BE SEEDED, FERTILIZED, AND MULCHED AS FOLLOWS:
SEED--KANSAS PREMIUM FESCUE BLEND--8#/1000 SQ. FT.
(EQUAL PARTS OF OLYMPIC II, BONANZA, APACHE, AND MONARCH FESCUE VARIETIES)
FERTILIZER--16-20-6 RATIO--4#/1000 SQ.FT. OR APPROVED EQUALS
MULCH--2 TONS OF PRAIRIE HAY/ACRE
5. CONTRACTOR TO BE RESPONSIBLE FOR THE REMOVAL OF ALL ON-SITE DEBRIS.

BUCKHEAD STORM WATER DRAIN			
POND 1			
BAUGHMAN COMPANY P.A.			
ENGINEERING, SURVEYING, & PLANNING			
PROJECT NUMBER 57RPPS (607881)			
DESIGN 10/1/05	DRAWN JCS	APPROVED	DATE JULY 95
SCALE 1" = 30'		SHEET 2 OF 12	



BENCHMARKS:

- BM #1 City of Wichita Disc @ SE Corner of 119th & Central, 40' E & 46' S of C of Both. Elev. = 126.93 City Datum
- BM #2 City of Wichita Disc @ 119th Street West & Cowskin Creek Bridge, Located on the SE Corner at Top of Hubguard. Elev. = 151.77 City Datum.

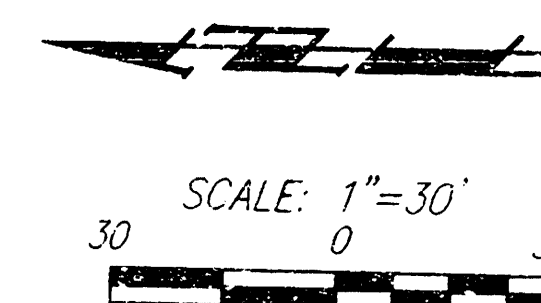
POND DATA:
STATIC POOL ELEVATION: 146.0 City Datum
133.5' MSL
BOTTOM ELEVATION: 136.0 City Datum
132.2' MSL
DESIGN WATER SURFACE: 147.62 City Datum
133.82 MSL

NOTES:

1. ALL EXCAVATION OF ON-SITE MATERIAL TO BE PLACED PER "GRADING PLAN". (SEE SHEET 8 OF 11)
2. ALL FILL PLACED WITHIN STREET RIGHT-OF-WAYS SHALL BE COMPACTED TO 90% STD. DENSITY AND SHALL BE VERIFIED BY A LICENSED SOILS ENGINEER DURING CONSTRUCTION. TESTING SHALL BE BID "LUMP SUM" AND IS TO BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. ANY EXCESS EXCAVATION SHALL BE STORED ON-SITE AT A LOCATION TO BE DETERMINED BY THE ENGINEER.
4. ALL DISTURBED AREAS ARE TO BE SEEDED, FERTILIZED, AND MULCHED AS FOLLOWS:
SEED--KANSAS PREMIUM FESCUE BLEND--8#/1000 SQ. FT.
(EQUAL PARTS OF OLYMPIC II, BONANZA, APACHE, AND MONARCH FESCUE VARIETIES)
FERTILIZER--15-20-6 RATIO--4#/1000 SQ.FT. OR APPROVED EQUALS
MULCH--2 TONS OF PRAIRIE HAY/ACRE
5. CONTRACTOR TO BE RESPONSIBLE FOR THE REMOVAL OF ALL ON-SITE DEBRIS.

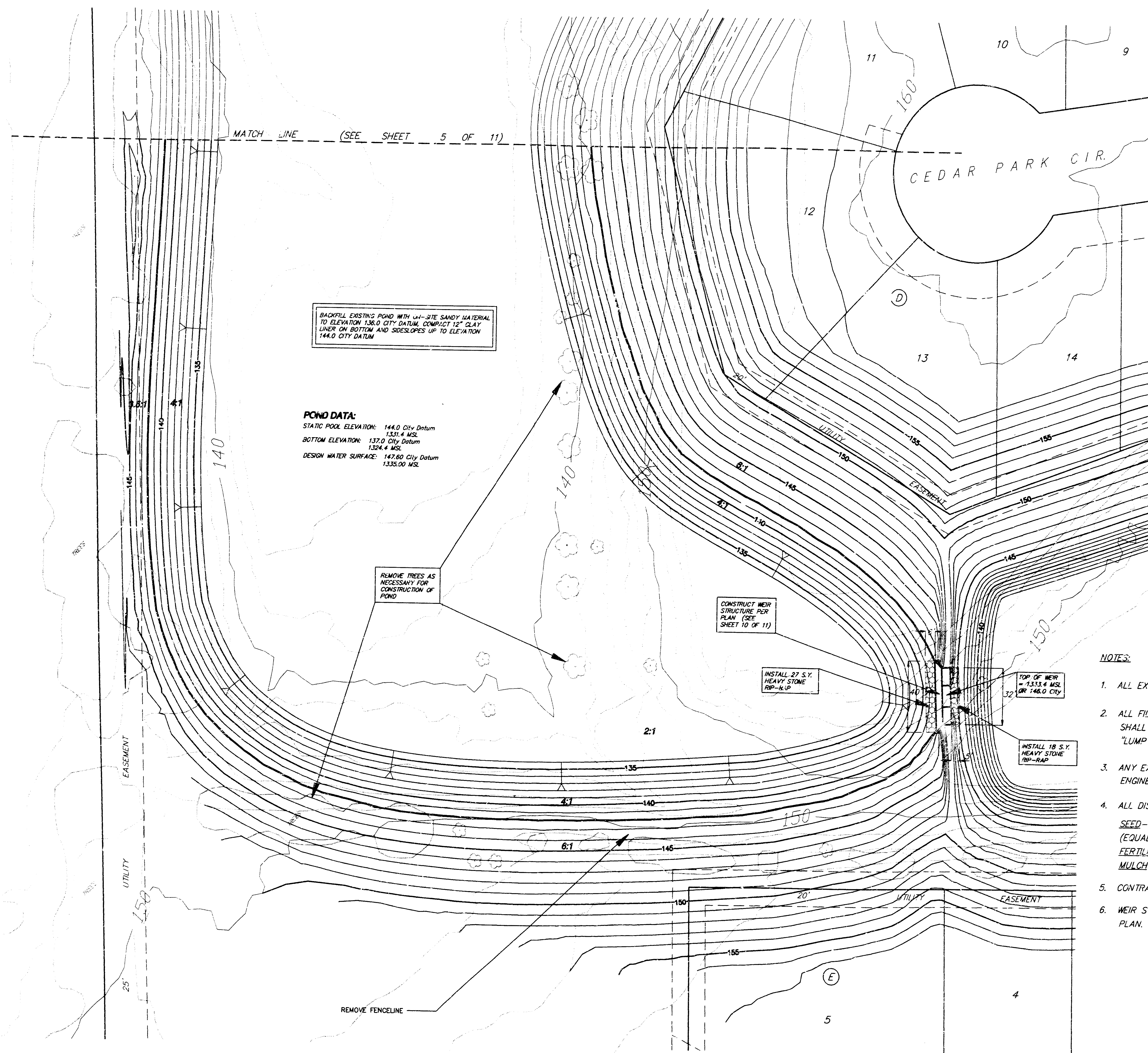
BUCKHEAD STORM WATER DRAIN			
POND 2			
BAUGHMAN COMPANY P.A.			
ENGINEERING, SURVEYING, & PLANNING			
318-262-7271 • 315 ELLIS • WICHITA, KANSAS 67201			
PROJECT NUMBER			
578PPS (607861)			
DESIGN	DRAWN	APPROVED	DATE
NBW/JDS	JDS		JULY 95
SCALE			1" = 30'
SHEET			8
OF			12

55-07-1993
smw/wood



BENCHMARKS:

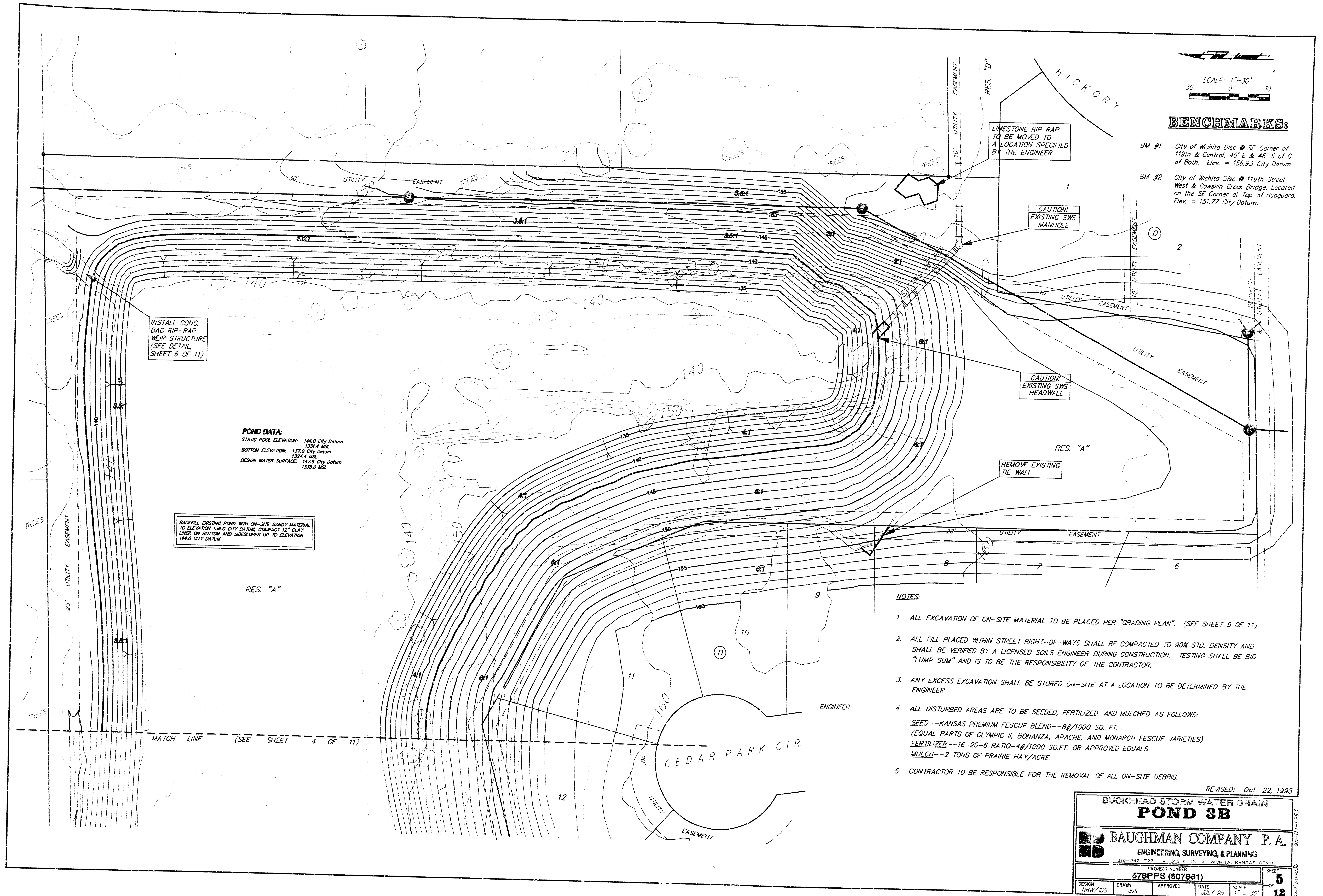
- BM #1 City of Wichita Disc @ SE Corner of 119th & Central, 40' E & 48' S of C of Both. Elev. = 156.93 City Datum
- BM #2 City of Wichita Disc @ 119th Street West & Cowskin Creek bridge. Located on the SE Corner at Top of Hubguara. Elev. = 151.77 City Datum.

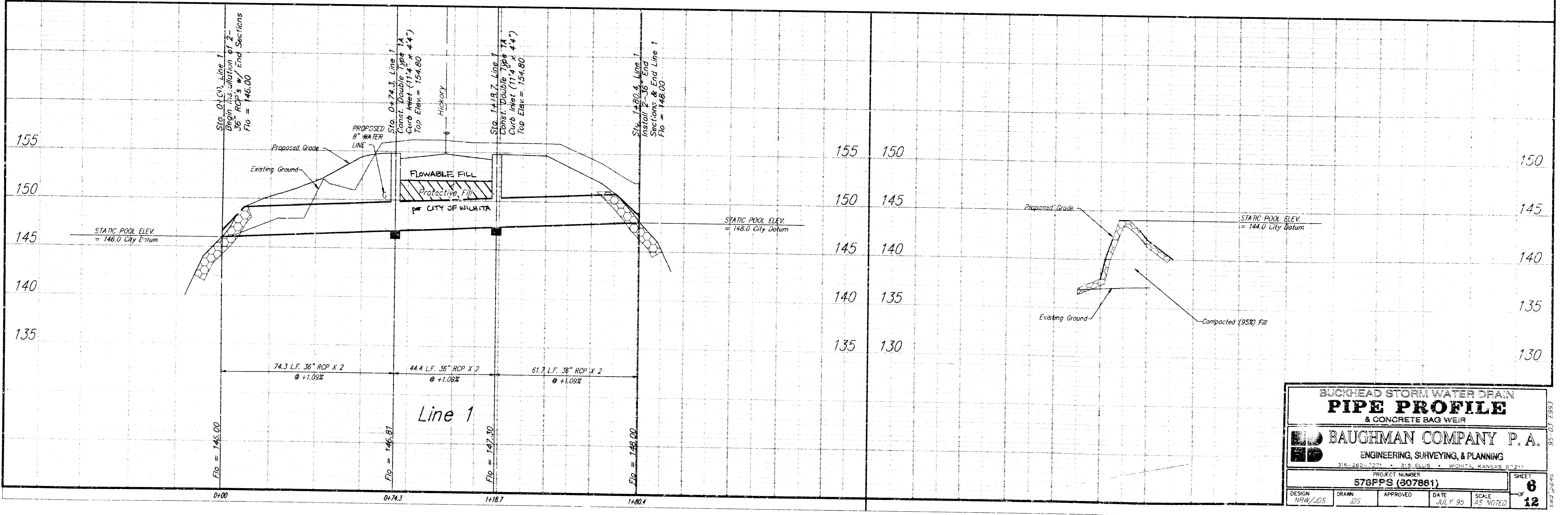
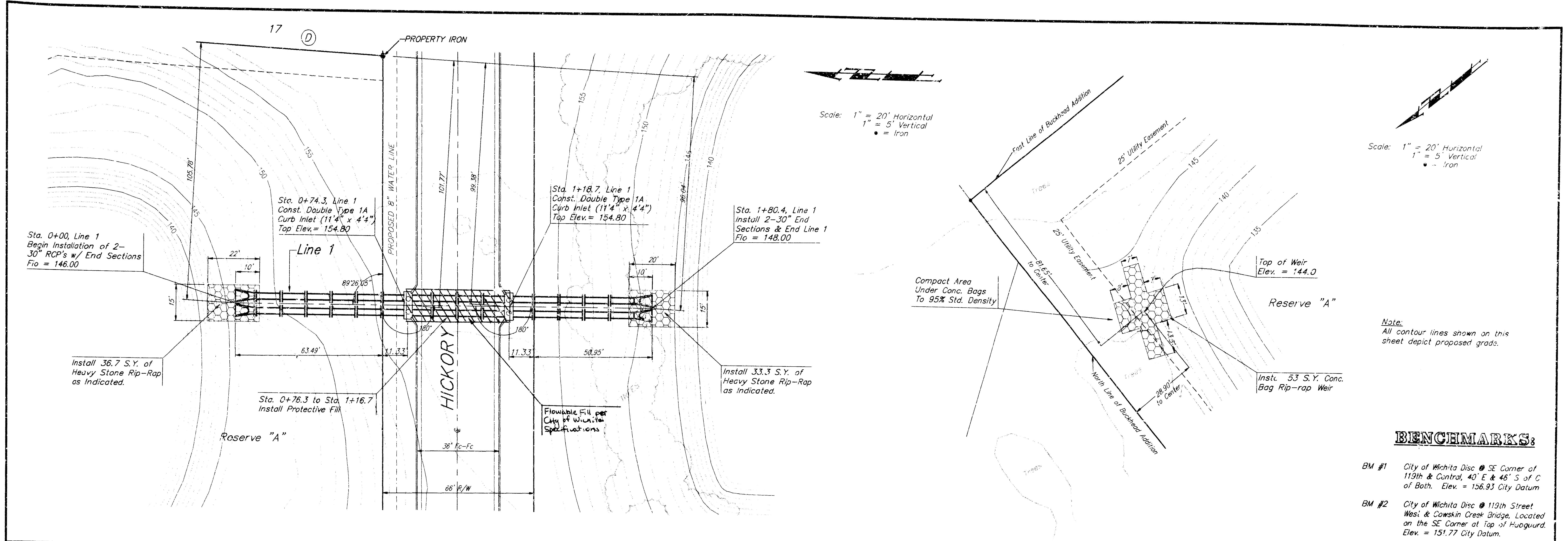


NOTES:

1. ALL EXCAVATION OF ON-SITE MATERIAL TO BE PLACED PER "GRADING PLAN". (SEE SHEET 8 OF 11)
2. ALL FILL PLACED WITHIN STREET RIGHT-OF-WAYS SHALL BE COMPACTED TO 90% STD. DENSITY AND SHALL BE VERIFIED BY A LICENSED SOILS ENGINEER DURING CONSTRUCTION. TESTING SHALL BE BID "LUMP SUM" AND IS TO BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. ANY EXCESS EXCAVATION SHALL BE STORED ON-SITE AT A LOCATION TO BE DETERMINED BY THE ENGINEER.
4. ALL DISTURBED AREAS ARE TO BE SEEDED, FERTILIZED, AND MULCHED AS FOLLOWS:
SEED--KANSAS PREMIUM FESCUE BLEND--8#/1000 SQ. FT.
(EQUAL PARTS OF OLYMPIC II, BONANZA, APACHE, AND MONARCH FESCUE VARIETIES)
FERTILIZER--16-20-6 RATIO-4#/1000 SQ.FT. OR APPROVED EQUALS
MULCH--2 TONS OF PRAIRIE HAY/ACRE
5. CONTRACTOR TO BE RESPONSIBLE FOR THE REMOVAL OF ALL ON-SITE DEBRIS.
6. WEIR STRUCTURE AT OUTFALL OF RETENTION POND TO BE BID "LUMP SUM" AND CONSTRUCTED PER PLAN. (SEE DETAIL SHEET 10 OF 11)

BUCKHEAD STORM WATER DRAIN			
POND 3A			
BAUGHMAN COMPANY P.A.			
ENGINEERING, SURVEYING, & PLANNING			
315-252-7272 315-252-7273 WICHITA, KANSAS 67201			
PROJECT NUMBER		SHEET	
578PPS (607861)		4	
DESIGN	DRAWN	APPROVED	DATE
1BW/JDS	JDS		JULY 95
SCALE		1"=30'	
		12	





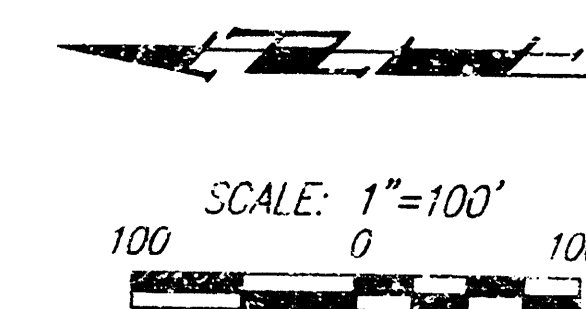
BUCKHEAD STORM WATER DRAIN
PIPE PROFILE
& CONCRETE BAG WEIR

BAUGHMAN COMPANY P. A.
ENGINEERING, SURVEYING, & PLANNING
315-282-7800 • 315-282-7801 • WICHITA, KANSAS 67211

PROJECT NUMBER: **578PFS (307861)**

DESIGN: **NRW/JDS** DRAWN: **JDS** APPROVED: **JDS** DATE: **JULY 96** SCALE: **AS NOTED**

SHEET: **8** OF **12**



BM #1 City of Wichita Disc @ SE Corner of
119th & Central, 40' E & 46' S of C
of Both. Elev. = 156.93 City Datum

BM #2 City of Wichita Disc @ 119th Street
West & Cowskin Creek Bridge, Located
on the SE Corner at Top of Hubguard.
Elev. = 151.77 City Datum.

- NOTES:
1. CONTOURS REPRESENT DEPTH OF FILL, NOT ELEVATION.
 2. ALL DISTURBED AREAS ARE TO BE SEEDED AND MULCHED AS FOLLOWS:
SEED--RYE GRASS (TEMPORARY SEED)--6#/1000 SQ. FT.
MULCH--2 TONS OF PRAIRIE HAY/ACRE
 3. CONTRACTOR TO BE RESPONSIBLE FOR THE REMOVAL OF ALL ON-SITE DEBRIS.

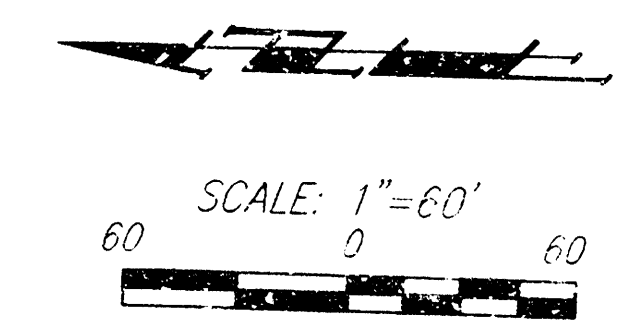
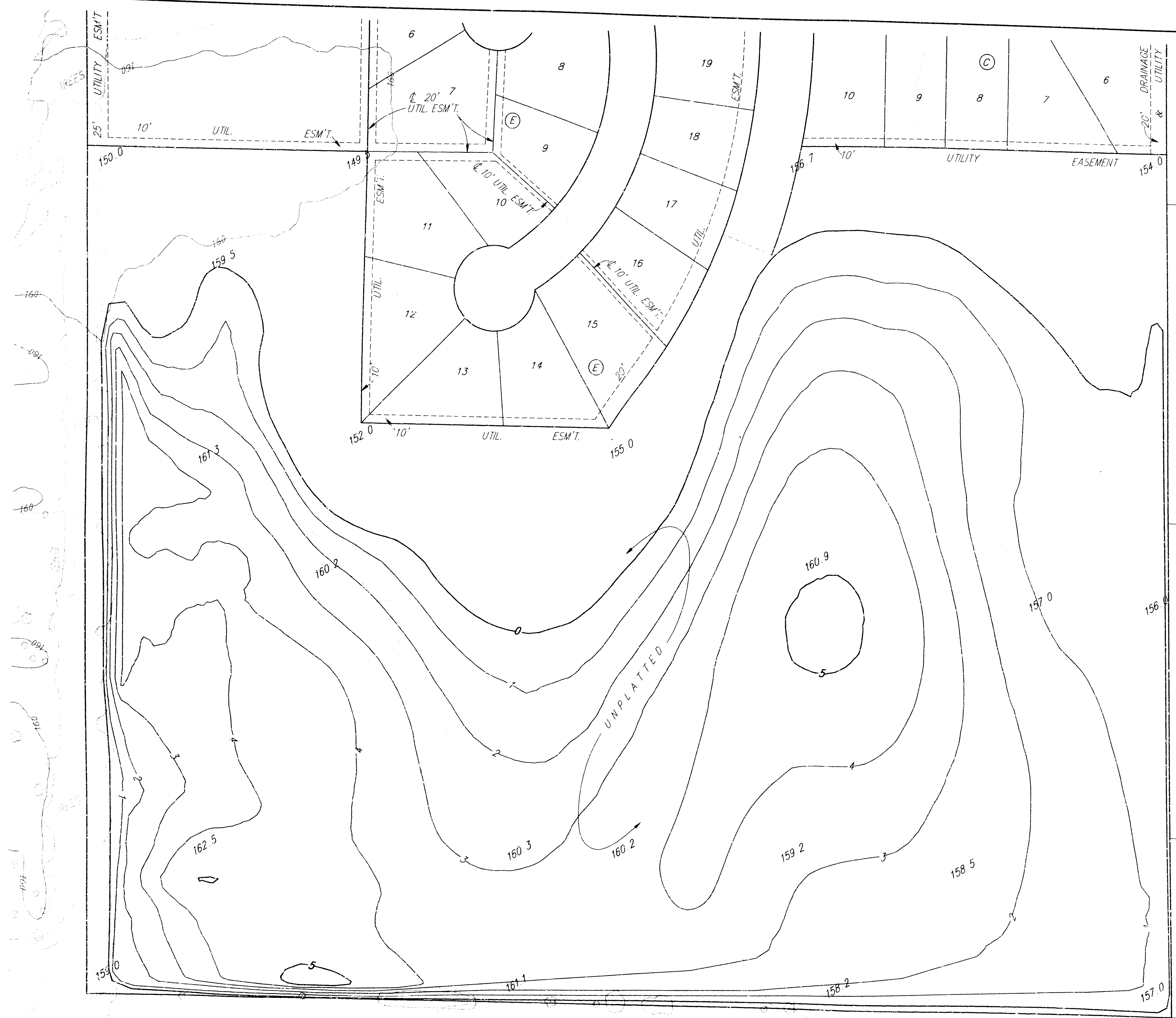
BUCKHEAD STORM WATER DRAIN
FILL AREA #1

BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
318-282-7274 • 1001 W. 17TH AVENUE • WICHITA, KANSAS 67203

578FPS (807861)

DESIGN	DRAWN	APPROVED	DATE	SCALE
10/24/05	JDS		JULY 05	1"=10'

SHEET **7** OF **12**



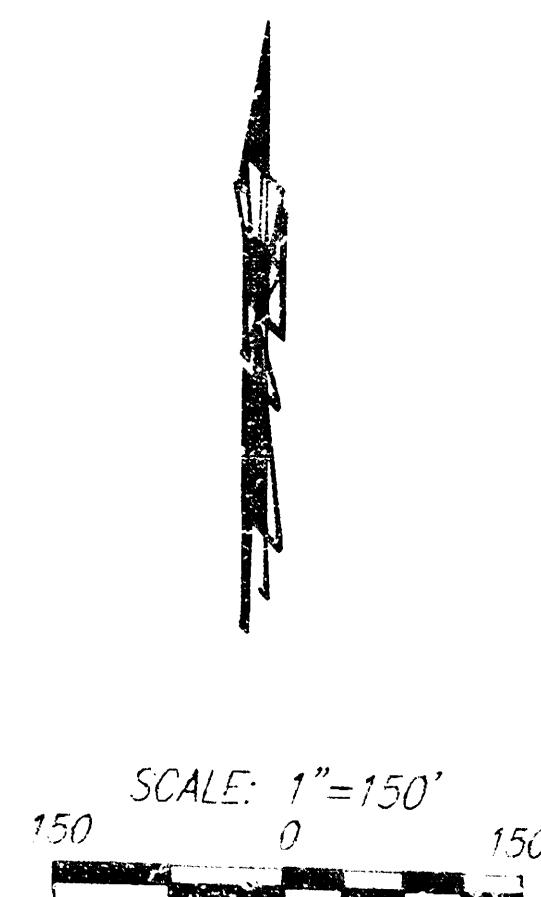
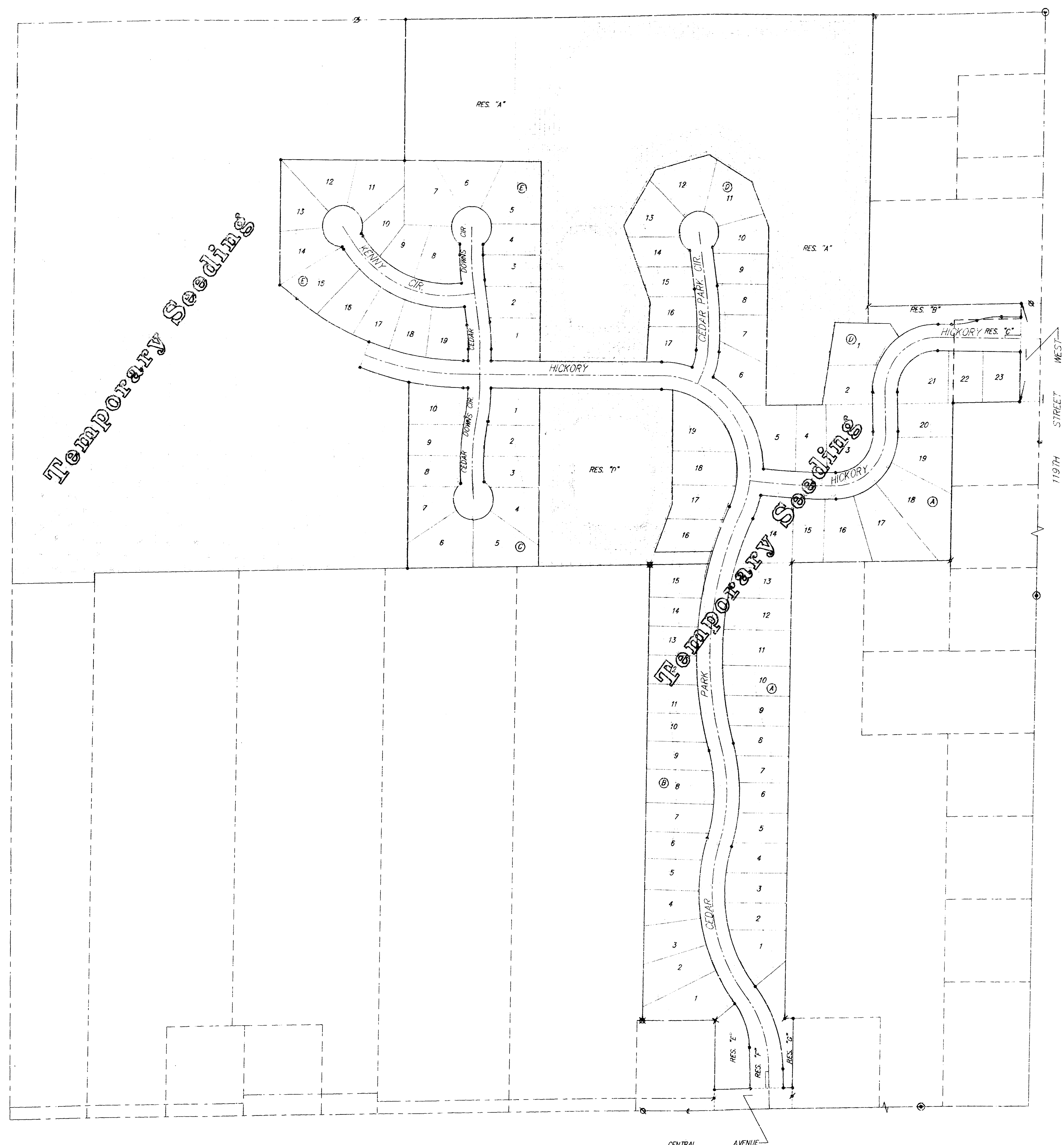
BENCHMARKS:

- BM #1 City of Wichita Disc @ SE Corner of 119th & Central, 40' E & 46' S of C of Bath. Elev. = 156.93 City Datum
- BM #2 City of Wichita Disc @ 119th Street West & Cowskin Creek Bridge, Located on the SE Corner at Top of Hubguard. Elev. = 151.77 City Datum.

NOTES:

1. CONTOURS REPRESENT DEPTH OF FILL, NOT ELEVATION. SPOT ELEVATIONS ARE ALSO SHOWN.
2. ALL DISTURBED AREAS ARE TO BE SEEDED AND MULCHED AS FOLLOWS:
SEED--RYE GRASS (TEMPORARY SEED)--5#/1000 SQ. FT.
MULCH--2 TONS OF PRAIRIE HAY/ACRE
3. CONTRACTOR TO BE RESPONSIBLE FOR THE REMOVAL OF ALL ON-SITE DEBRIS.

BUCKHEAD STORM WATER DRAIN			
FILL AREA #2			
BAUGHMAN COMPANY P. A.			
ENGINEERING, SURVEYING, & PLANNING			
316-282-7271 • 315 ELLIS • WICHITA, KANSAS 67211			
PROJECT NUMBER			
578PPS (607831)			
DESIGN	DRAWN	APPROVED	DATE
NGW/GDS	JDS		JULY 95
SCALE			1" = 60'
SHEET			8
OF			12



BENCHMARKS:

- BM #1 City of Wichita Disc @ SE Corner of 119th & Central, 40' E & 48' S of C of Bath. Elev. = 156.93 City Datum
- BM #2 City of Wichita Disc @ 119th Street West & Cowskin Creek Bridge. Located on the SE Corner at Top of Hubguard. Elev. = 151.77 City Datum.

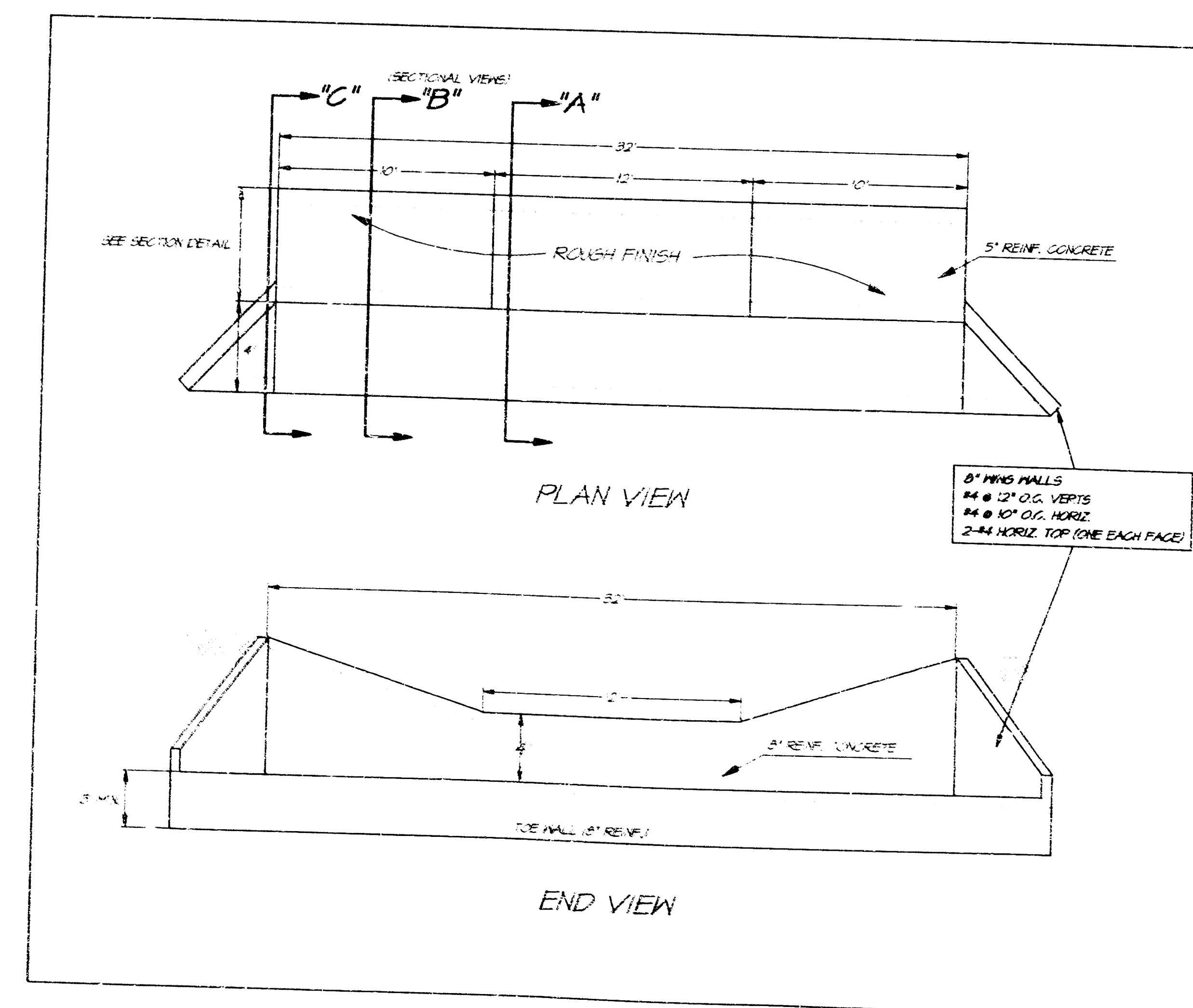
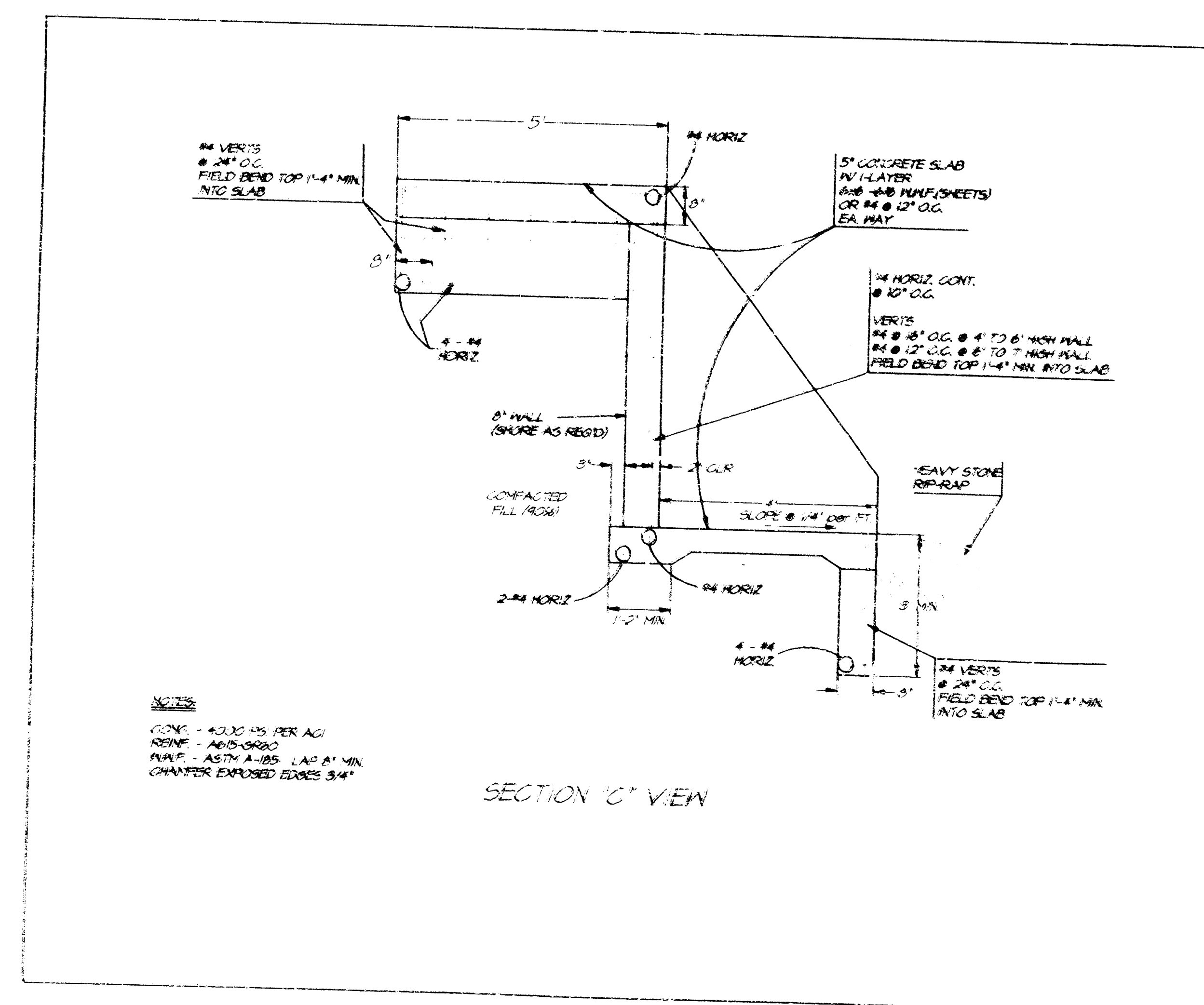
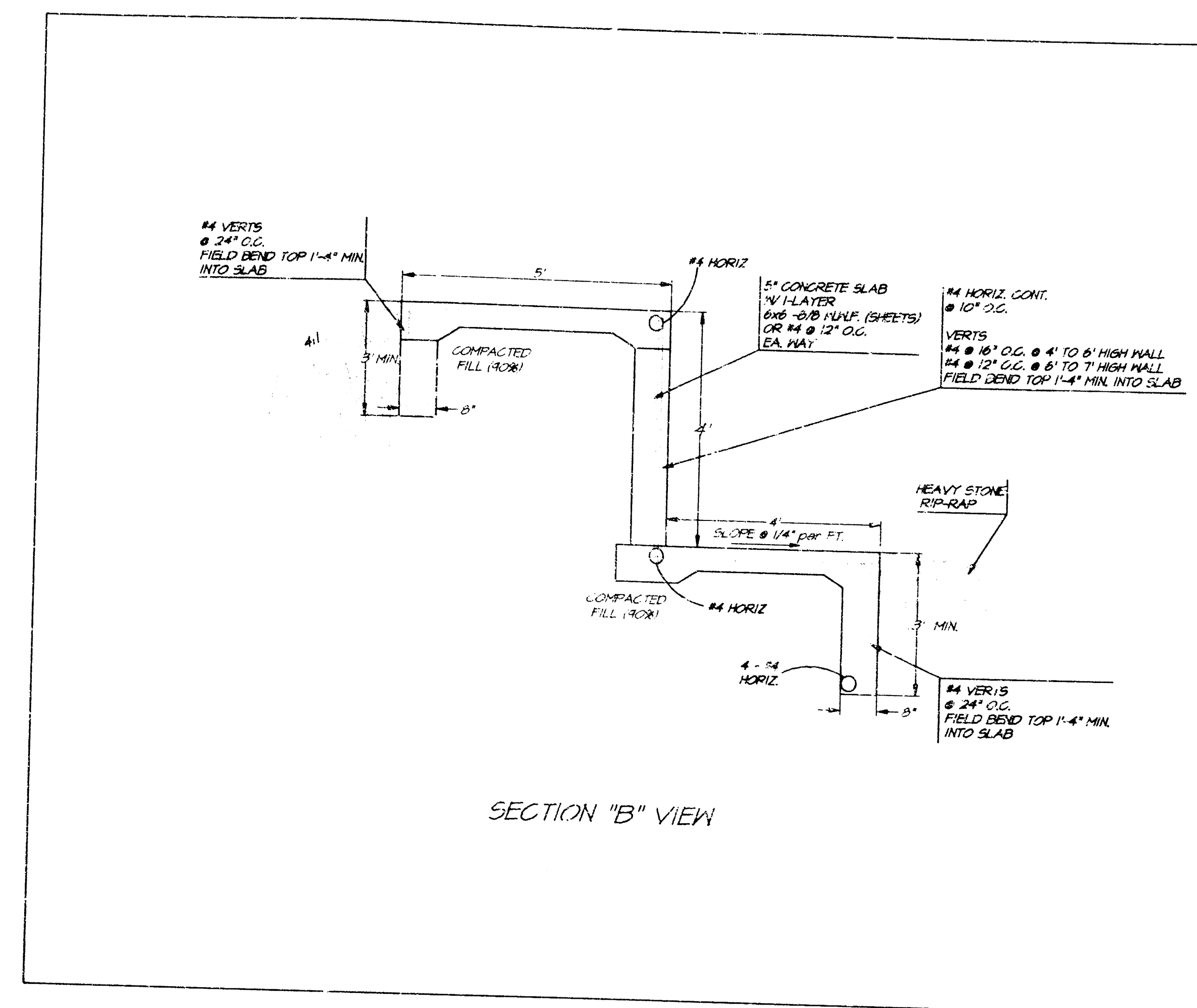
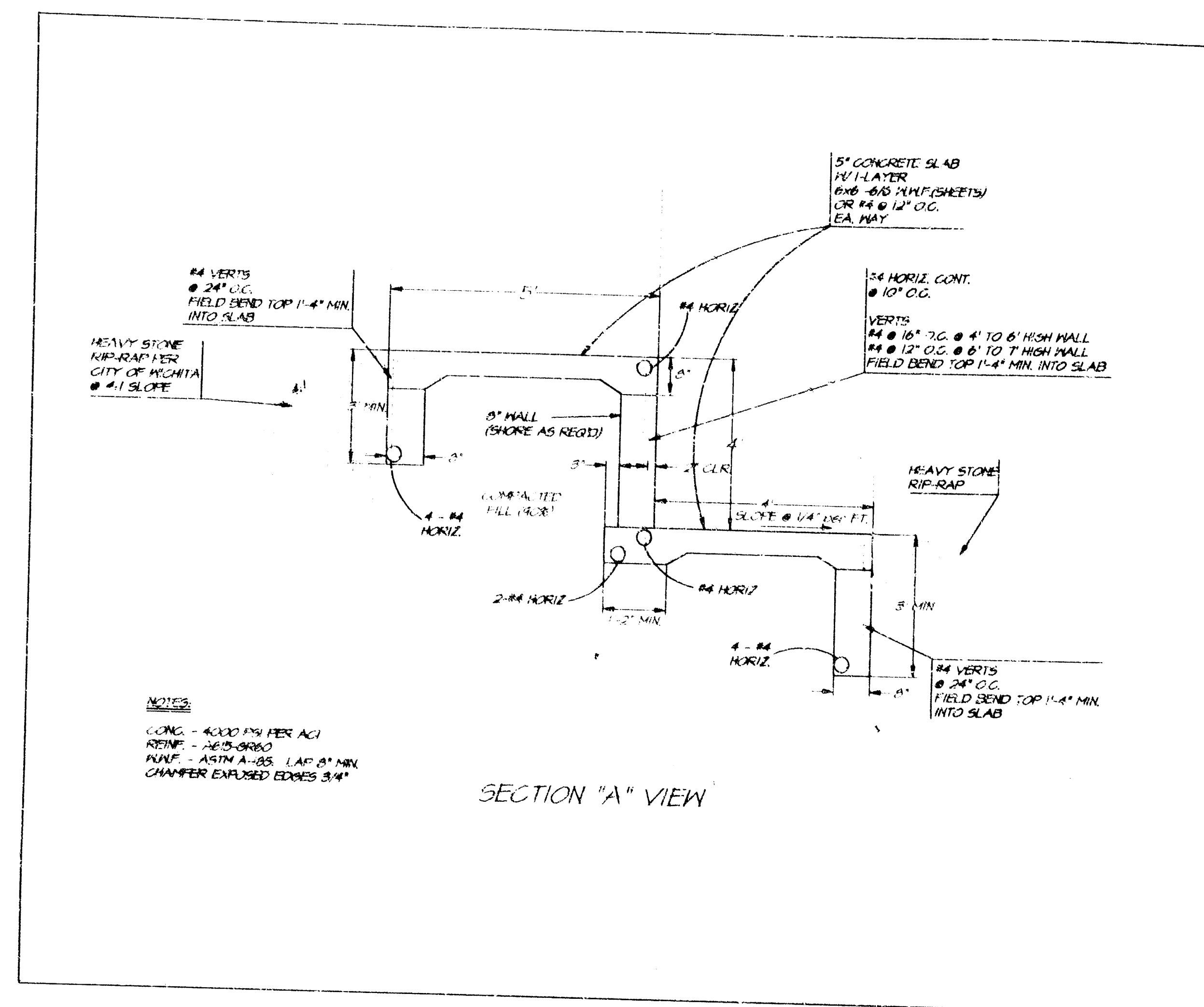
Temporary Seeding

TEMPORARY AREAS ARE TO BE SEEDD AND MULCHED AS FOLLOWS:
 SEED--RYE GRASS (TEMPORARY SEED)--8#/1000 SQ. FT.
 MULCH--2 TONS OF PRAIRIE HAY/ACRE
 TOTAL = 32.7 ACRES

Permanent Seeding

PERMANENT AREAS ARE TO BE SEEDD, FERTILIZED, AND MULCHED AS FOLLOWS:
 SEED--KANSAS PRAIRIE FESCUE BLEND--8#/1000 SQ. FT.
 (EQUAL PARTS OF CHAMP II, BOVANDA, SPADHE, AND MONARCH FESCUE VARIETIES)
 FERTILIZER--16-20-6 RATIO--4#/1000 SQ. FT. OR APPROVED EQUIVALENT
 MULCH--2 TONS OF PRAIRIE HAY/ACRE
 TOTAL = 8.2 ACRES

BUCKHEAD STORM WATER DRAIN			
SEEDING PLAN			
BAUGHMAN COMPANY P. A.			
ENGINEERING, SURVEYING, & PLANNING			
PROJECT NUMBER 578FPS (607861)			
DESIGN	DRAWN	APPROVED	DATE
7/27/05	CS		JULY 05
SCALE 1"=150'			SHEET 9 OF 12

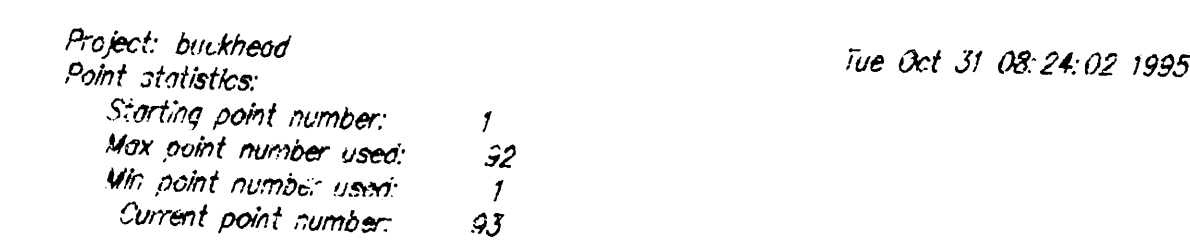


- BIDDING NOTES:**
1. STRUCTURE TO BE BID LUMP SUM.
 2. RIP-RAP TO BE BID AS SQ. YDS. FOR UPSTREAM AND DOWNSTREAM OF THE STRUCTURE.

BLOCKHEAD STORM WATER DRAIN					
WEIR DETAIL					
BAUGHMAN COMPANY P.A.					
ENGINEERING, SURVEYING, & PLANNING					
314-255-1271 • 315 E. 11th • WICHITA, KANSAS 67201					
PROJECT NUMBER					
578PPS (607861)					
DESIGN	DRAWN	APPROVED	DATE	SCALE	SHEET
WJS	WJS		JULY 95	1/16"	10
					12

BM #1 City of Wichita Disc @ SE Corner of
119th & Central, 40' E & 46' S of C
of Both Elev. = 156.93 City Datum

BM #2 City of Wichita Disc @ 119th Street
West & Cowskin Creek Bridge, Located
on the SE Corner at Top of Hubguard.
Elev. = 151.77 City Datum.



Point	Northing	Easting	Current Coordinate (x,y,z)	(X,Y)	Elevation	Description
1	27704.19		15538.69		157.0	
2	27846.35		15557.10		157.0	
3	27890.48		15571.60		157.0	
4	27937.57		15583.35		158.0	
5	27987.30		15591.78		158.0	
6	28035.80		15602.82		158.0	
7	28083.01		15616.72		160.0	
8	28138.68		15629.12		159.0	
9	28191.98		15639.79		160.0	
10	28244.12		15651.10		160.0	
11	28293.56		15653.78		158.0	
12	28348.69		15657.25		157.0	
13	28401.93		15663.12		158.0	
14	28459.05		15672.55		158.0	
15	28518.00		15684.38		157.0	
16	28577.02		15698.17		157.0	
17	28637.68		15714.38		157.0	
18	28698.68		15732.53		157.0	
19	28760.68		15752.35		157.0	
20	28823.32		15773.40		157.0	
21	28887.22		15796.17		157.0	
22	28952.12		15821.79		157.0	
23	29018.00		15849.18		158.0	
24	29084.34		15878.99		158.0	
25	29152.14		15910.91		158.0	
26	29221.30		15945.78		158.0	
27	29291.80		15983.29		158.0	
28	29363.57		16023.14		158.0	
29	29436.50		16065.00		158.0	
30	29510.68		16108.51		158.0	
31	29586.00		16153.41		158.0	
32	29662.44		16199.41		158.0	
33	29740.00		16246.41		158.0	
34	29818.68		16294.31		158.0	
35	29900.00		16343.31		158.0	
36	29982.68		16393.41		158.0	
37	30066.68		16444.61		158.0	
38	30151.93		16496.91		158.0	
39	30238.44		16550.31		158.0	
40	30326.10		16604.81		158.0	
41	30414.90		16660.41		158.0	
42	30504.84		16717.11		158.0	
43	30595.90		16774.91		158.0	
44	30688.08		16833.81		158.0	
45	30781.30		16893.81		158.0	
46	30875.64		16954.91		158.0	
47	30971.10		17017.11		158.0	
48	31067.68		17080.41		158.0	
49	31165.30		17144.81		158.0	
50	31264.00		17210.31		158.0	
51	31363.76		17276.91		158.0	
52	31464.56		17344.61		158.0	
53	31566.40		17413.41		158.0	
54	31669.28		17483.31		158.0	
55	31773.20		17554.31		158.0	
56	31878.16		17626.41		158.0	
57	31984.16		17699.61		158.0	
58	32091.20		17773.91		158.0	
59	32199.28		17849.31		158.0	
60	32308.40		17925.81		158.0	
61	32418.64		18003.41		158.0	
62	32529.92		18082.11		158.0	
63	32642.24		18161.91		158.0	
64	32755.60		18242.81		158.0	
65	32870.00		18324.81		158.0	
66	32985.44		18407.91		158.0	
67	33101.92		18492.11		158.0	
68	33218.40		18577.31		158.0	
69	33335.88		18663.51		158.0	
70	33454.36		18750.71		158.0	
71	33573.84		18838.91		158.0	
72	33694.32		18928.11		158.0	
73	33815.80		19018.31		158.0	
74	33938.28		19109.51		158.0	
75	34061.76		19201.71		158.0	
76	34186.24		19294.91		158.0	
77	34311.72		19389.11		158.0	
78	34438.20		19484.31		158.0	
79	34565.68		19580.51		158.0	
80	34694.16		19677.71		158.0	
81	34823.64		19775.91		158.0	
82	34954.12		19875.11		158.0	
83	35085.60		19975.31		158.0	
84	35218.08		20076.51		158.0	
85	35351.56		20178.71		158.0	
86	35486.04		20281.91		158.0	
87	35621.52		20386.11		158.0	
88	35758.00		20491.31		158.0	
89	35895.48		20597.51		158.0	
90	36033.96		20704.71		158.0	
91	36173.44		20812.91		158.0	
92	36313.92		20922.11		158.0	

BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING

PROJECT NUMBER					SHEET 12
578PPS (607A61)					
DESIGN NHW/JGS	DRAWN JGS	APPROVED	DATE SEPT. 95	SCALE 1" = 100'	12

