

STORM WATER DRAIN TO SERVE WINDWOOD ADDITION

Private Project No.
607PPS (607861)

CITY OF WICHITA, KANSAS
Michael E. Lindebak City Engineer
JANUARY, 1996

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
Arkla 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 adjoining 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--8#/1000 Sq. Ft. (Equal parts of Olympic II, Bonanza, Apache, and Munarch Fescue varieties)
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 road 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.

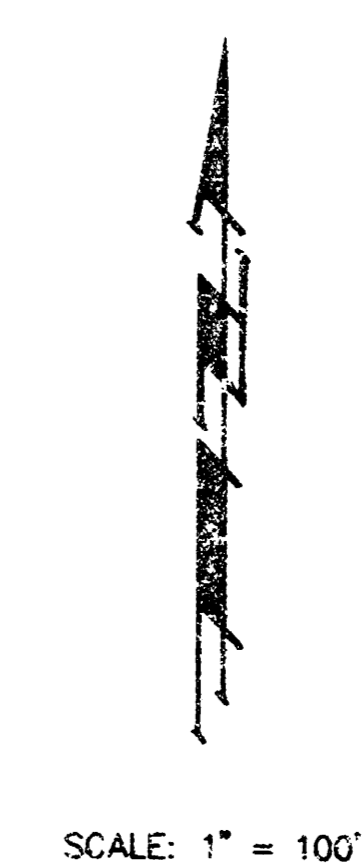
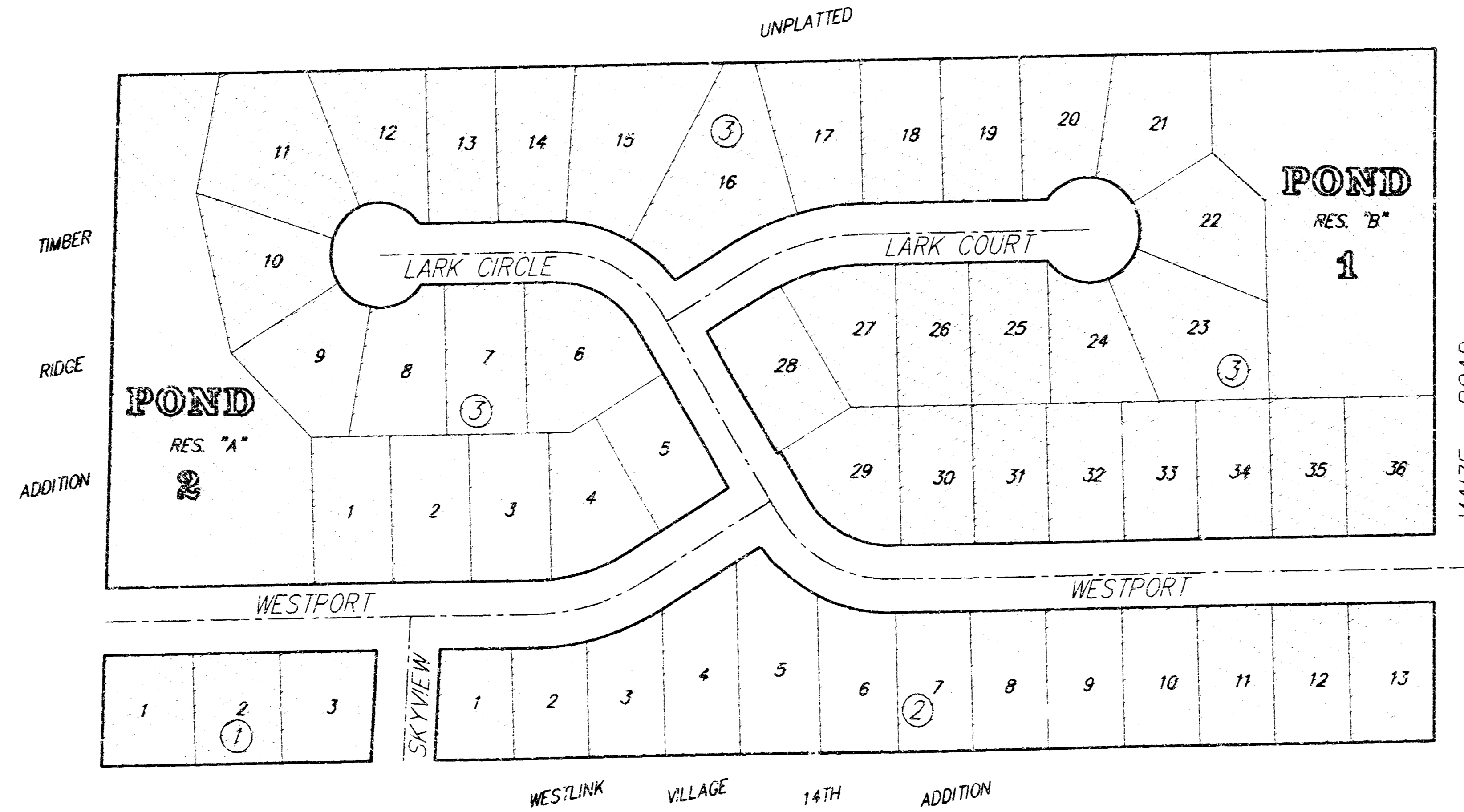
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Benchmarks:

- BM #1 City of Wichita Disc 11' S & 43' E of SE Cor., NE 1/4, Sec. 7, Twp. 27-S, R-1-W. Elev. = 161.05 City Datum
- BM #2 "□" Out. Top of Curb at N End of NE Return, Parkdale & Stoney Point, SW Cor. of Reserve "A", Timber Ridge Add. Elev. = 164.64 City Datum.
- BM #3 "□" Out. Q. Headwall of RCBC 600'± S of 21st St. N. on E Side of Maize Rd. Elev. = 164.93 City Datum.

BOOKED
7-17-97
NCS
D-551



Project Area

Earthwork Quantities:
Excavation: 25,730 Cu. Yds.
90% Compacted Liner: 2,130 Cu. Yds.

**APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA**

Sanitary Sewers _____
Storm Sewers VRH 1/22/96
Driveway Approaches _____
Water Mains _____
Paving _____

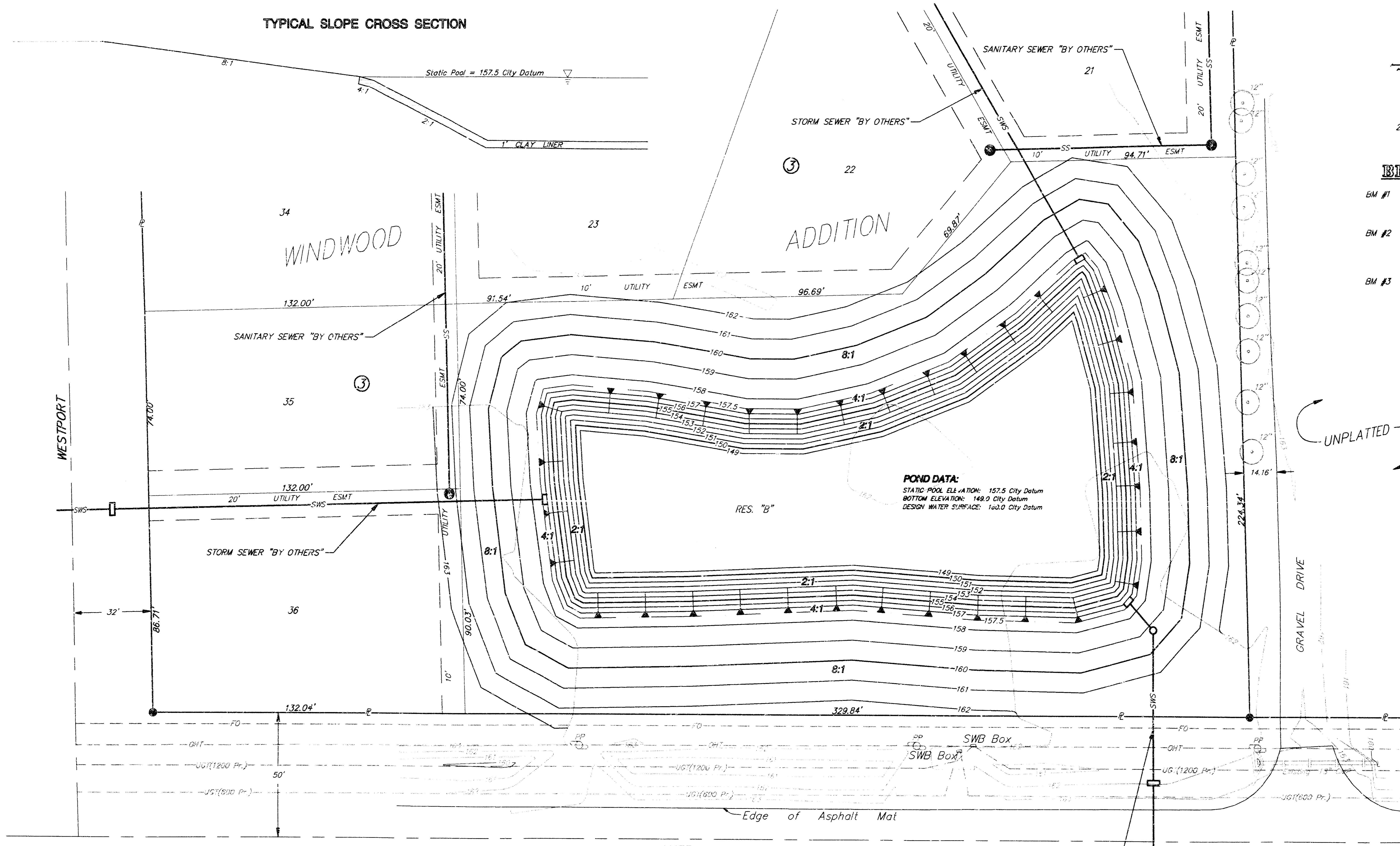
NOTE TO CONTRACTORS

Inspection and testing for this project is to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Said inspection is 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).



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

TYPICAL SLOPE CROSS SECTION

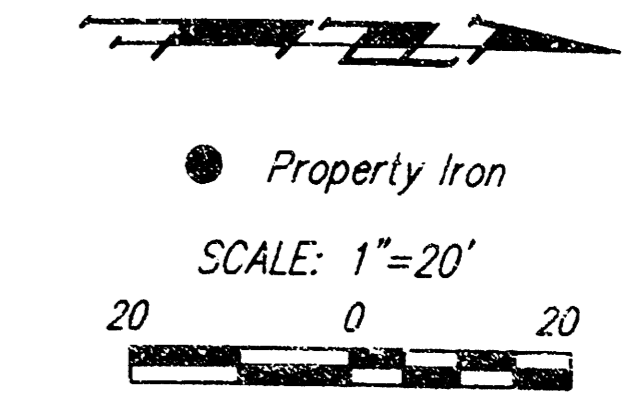
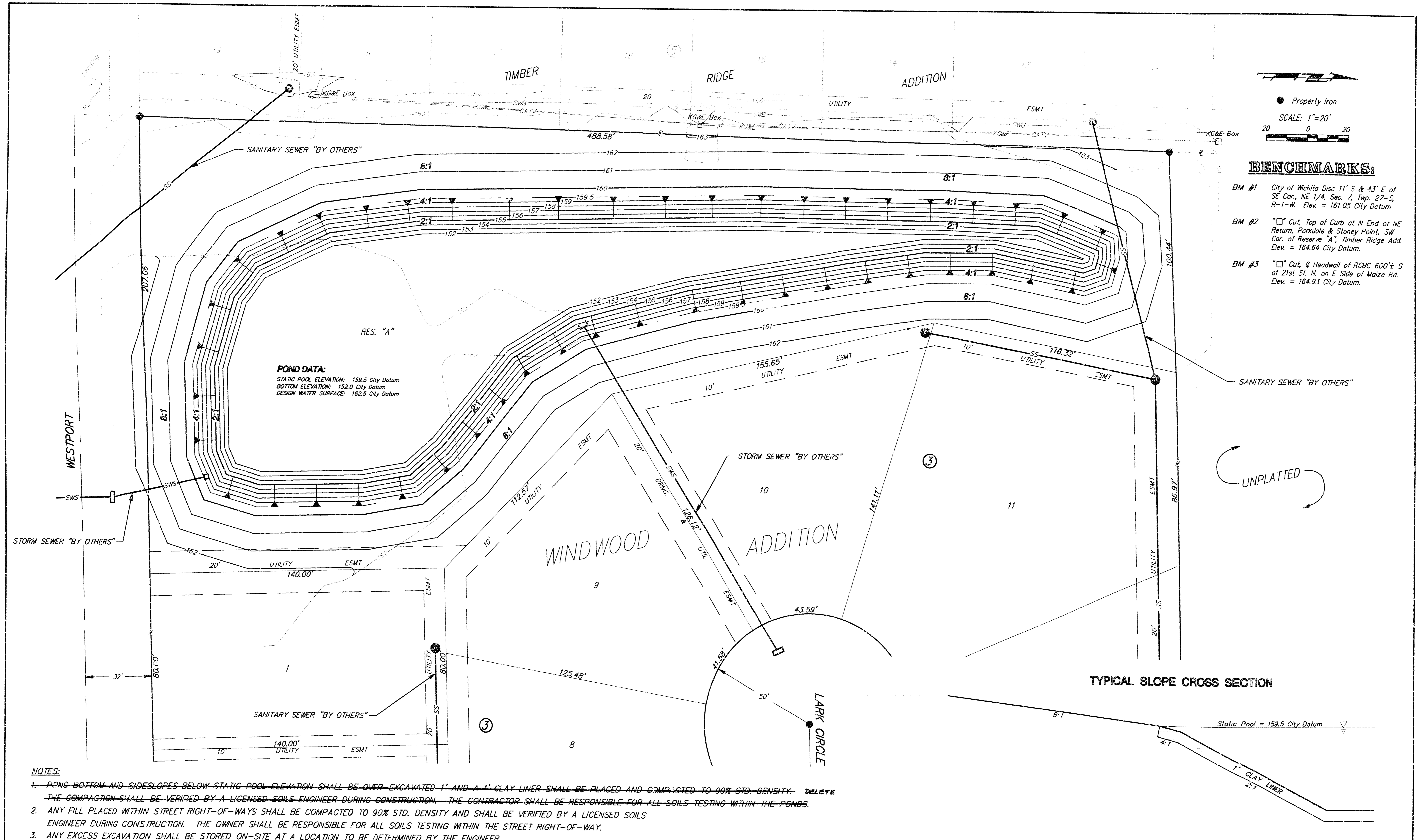


● Property Iron
 SCALE: 1"=20'
 20 0 20
BENCHMARKS:
 BM #1 City of Wichita Disc 11' S & 43' E of SE Cor., NE 1/4, Sec. 7, Twp. 27-S, R-1-W. Elev. = 161.05 City Datum
 BM #2 "□" Cut, Top of Curb at N End of NE Return, Parkdale & Stoney Point, SW Cor. of Reserve "A", Timber Ridge Add. Elev. = 164.64 City Datum.
 BM #3 "□" Cut, & Headwall of RCBC 600± S of 21st St. N. on E Side of Maize Rd. Elev. = 164.93 City Datum.

POND DATA:
 STATIC POOL ELEVATION: 157.5 City Datum
 BOTTOM ELEVATION: 149.0 City Datum
 DESIGN WATER SURFACE: 150.0 City Datum

- NOTES:**
- POND BOTTOM AND SIDESLOPES BELOW STATIC POOL ELEVATION SHALL BE OVER-EXCAVATED 1' AND A 1' CLAY LINER SHALL BE PLACED AND COMPACTED TO 90% STD. DENSITY. THE COMPACTON SHALL BE VERIFIED BY A LICENSED SOILS ENGINEER DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SOILS TESTING WITHIN THE PONDS.
 - ANY 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. THE OWNER SHALL BE RESPONSIBLE FOR ALL SOILS TESTING WITHIN THE STREET RIGHT-OF-WAY.
 - ANY EXCESS EXCAVATION SHALL BE STORED ON-SITE AT A LOCATION TO BE DETERMINED BY THE ENGINEER.
 - ALL DISTURBED AREAS ARE TO BE SEEDED AND MULCHED AS FOLLOWS:
 SEED--KANSAS PREMIUM FESCUE BLEND--8#/1000 SQ. FT.
 (EQUAL PARTS OF OLYMPIC II, BONANZA, APACHE, AND MONARCH FESCUE VARIETIES)
 MULCH--2 TONS OF PRAIRIE HAY/ACRE
 - CONTRACTOR TO BE RESPONSIBLE FOR THE REMOVAL OF ALL ON-SITE DEBRIS.

POND 1			
WINDWOOD ADDITION			
BAUGHMAN COMPANY P. A.			
ENGINEERING, SURVEYING, & PLANNING			
316-262-7271 • 315 E. LUIS • WICHITA, KANSAS 67211			
PROJECT NUMBER		SHEET	
607PPS (607861)		2	
DESIGN	DRAWN	APPROVED	DATE
NGW/JDS	JDS	NGW	1-96
		SCALE	
		1"=20'	



BENCHMARKS:

BM #1 City of Wichita Disc 11' S & 43' E of SE Cor., NE 1/4, Sec. 1, Twp. 27-S, R-1-W. Elev. = 161.05 City Datum

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BM #3 "C" Cut, @ Headwall of RCBC 600± S of 21st St. N. on E Side of Maize Rd. Elev. = 164.93 City Datum.

POND DATA:
 STATIC POOL ELEVATION: 159.5 City Datum
 BOTTOM ELEVATION: 152.0 City Datum
 DESIGN WATER SURFACE: 162.5 City Datum

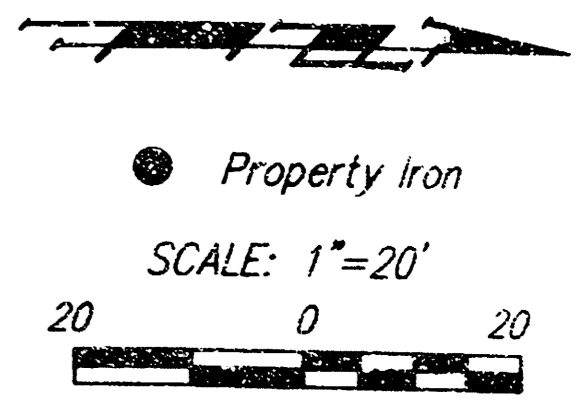
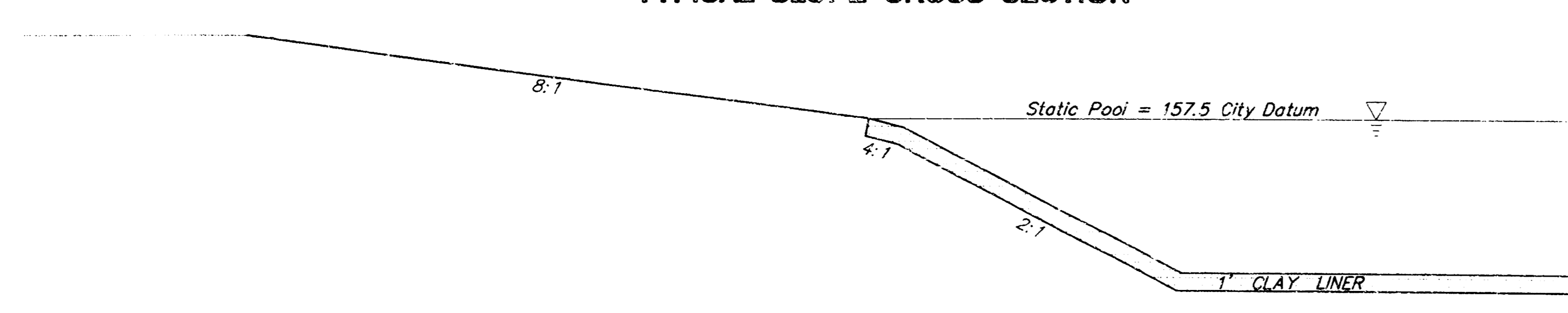
UNPLATTED

TYPICAL SLOPE CROSS SECTION

POND 2			
WINDWOOD ADDITION			
BAUGHMAN COMPANY P. A.			
ENGINEERING, SURVEYING, & PLANNING			
316-262-2271 • 316-262-2272 • WICHITA, KANSAS 67211			
PROJECT NUMBER			
807PPS (807861)			
DESIGN	DRAWN	APPROVED	DATE
NEW/IDS	IDS	NEW	1-96
SCALE			SHEET
1"=20'			3
			OF 8

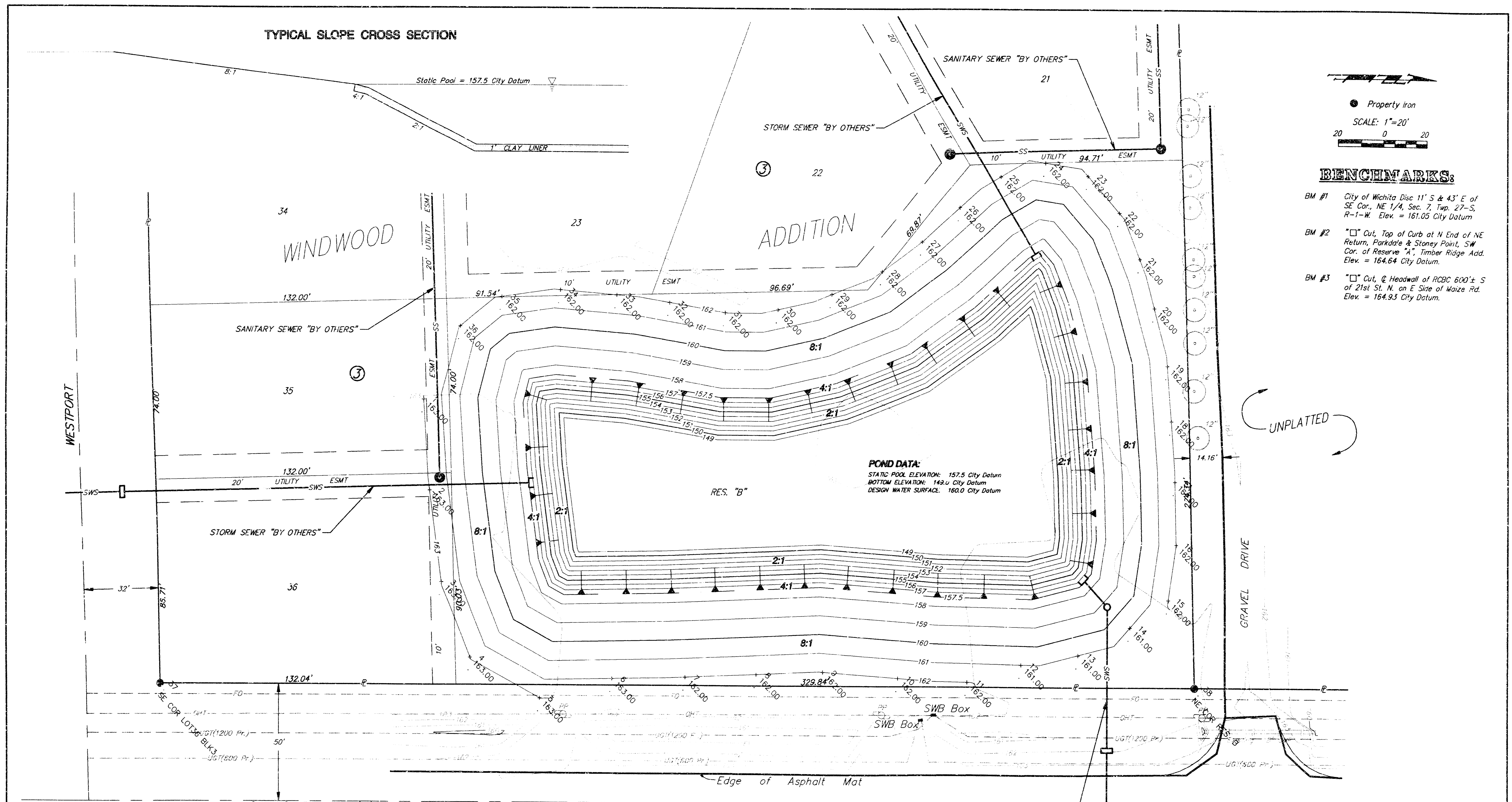
- NOTES:**
1. POND BOTTOM AND SIDESLOPES BELOW STATIC POOL ELEVATION SHALL BE OVER EXCAVATED 1' AND A 1' CLAY LINER SHALL BE PLACED AND COMPACTED TO 90% STD. DENSITY. ~~DELETE~~ THE COMPACTATION SHALL BE VERIFIED BY A LICENSED SOILS ENGINEER DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SOILS TESTING WITHIN THE PONDS.
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 5. CONTRACTOR TO BE RESPONSIBLE FOR THE REMOVAL OF ALL ON-SITE DEBRIS.

TYPICAL SLOPE CROSS SECTION



BENCHMARKS:

- BM #1 City of Wichita Disc 11' S & 43' E of SE Cor., NE 1/4, Sec. 7, Twp. 27-S, R-1-W. Elev. = 161.05 City Datum.
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- BM #3 "C" Cut, @ Headwall of RCBC 600± S of 21st St. N. on E Side of Maize Rd. Elev. = 164.93 City Datum.



POND DATA:
 STATIC POOL ELEVATION: 157.5 City Datum
 BOTTOM ELEVATION: 148.0 City Datum
 DESIGN WATER SURFACE: 160.0 City Datum

Point	Northing	Current Coordinate Easting	Listing (All) Elevation	Description
1	4655.7263	4878.6040	163.00	20
2	4658.4000	4917.3100	163.00	21
3	4663.5990	4956.3229	163.00	22
4	4676.2450	4988.3595	163.00	23
5	4707.3154	5005.5937	163.00	24
6	4739.7020	4997.1769	163.00	25
7	4772.3077	4996.4214	162.00	26
8	4804.3851	4995.1025	162.00	27
9	4834.3197	4994.0557	162.00	28
10	4867.4335	4996.4552	162.00	29
11	4898.4236	4997.9504	162.00	30
12	4921.9503	4990.4390	161.00	31
13	4947.0678	4986.2843	161.00	32
14	4969.9320	4974.4221	161.00	33
15	4987.5004	4962.7466	162.00	34
16	4991.0739	4939.2527	162.00	35
17	4990.3657	4912.5636	162.00	36
18	4988.5878	4886.9371	162.00	37
19	4986.7417	4863.4532	162.00	38
				20
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				22
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				36
				37
				38

WINDWOOD ADDITION POND 1 STAKING POINTS
 Project: wiwoodp1 Wed Jan 17 00:21:47 1996
 Point statistics:
 Starting point number: 1
 Max point number used: 38
 Min point number used: 1
 Current point number: 39

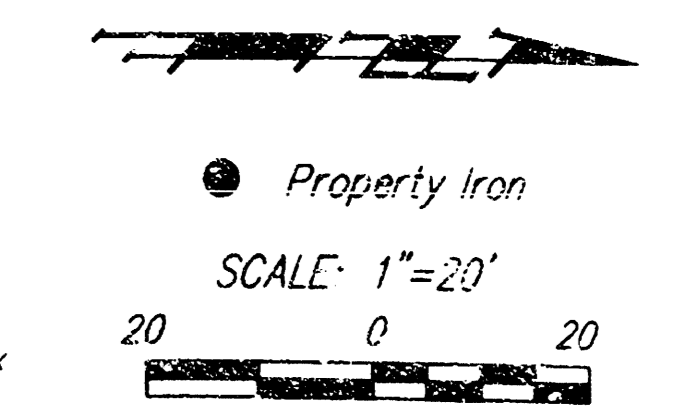
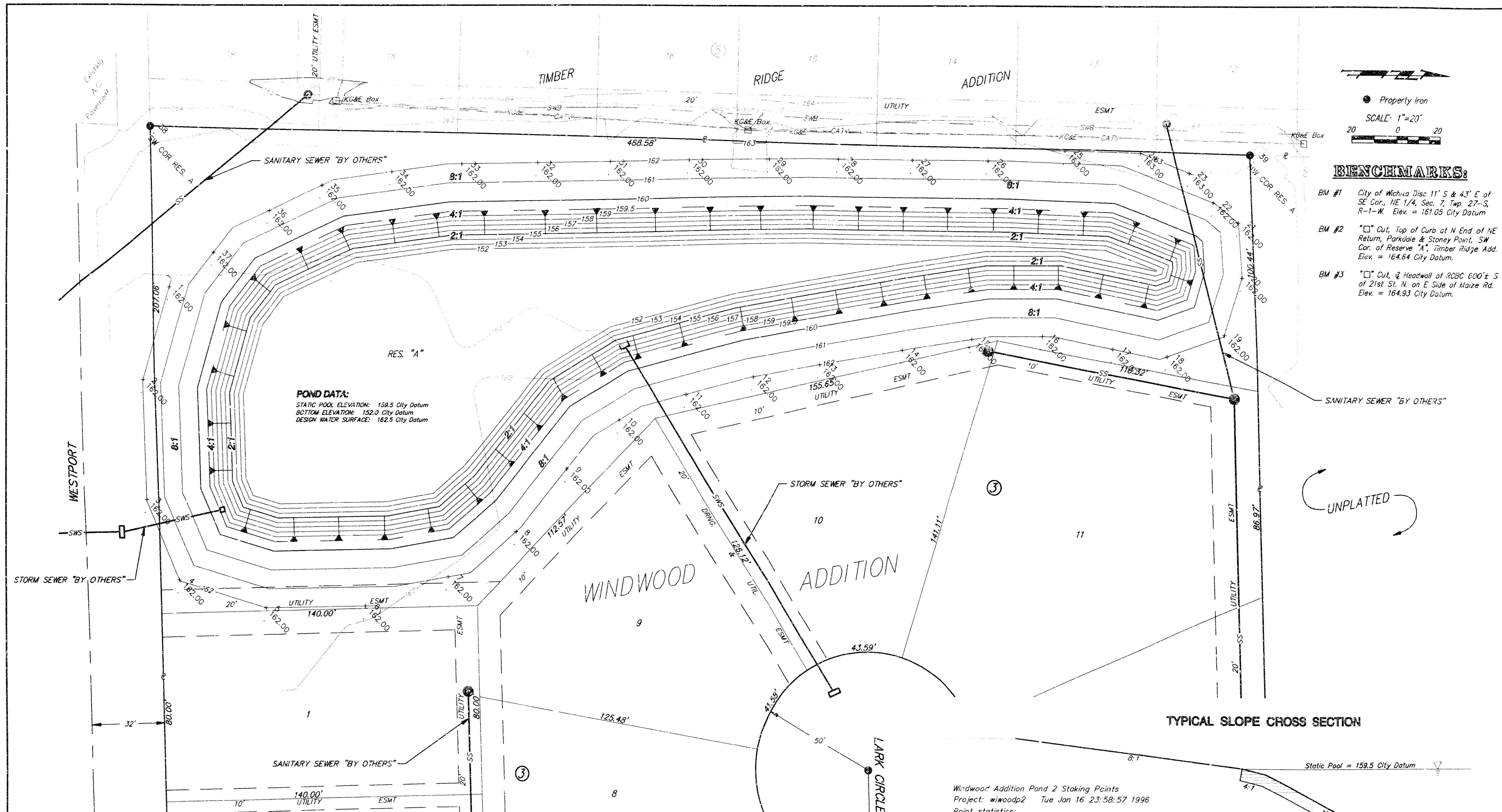
STAKING PLAN
POND 1
 WINDWOOD ADDITION

BAUGHMAN COMPANY P. A.
 ENGINEERING, SURVEYING, & PLANNING
 316-262-7271 • 212 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER: AN7PPS (AN7AA1) SHEET: 4 OF 6

DESIGN: NEW/JDS DRAWN: JDS APPROVED: NBW DATE: 1-96 SCALE: 1"=20'

SE COR LOT 36 BLK 3
 NE COR RES. B



BENCHMARKS:

BM #1 City of Wichita Disc 11' S & 4.3' E of SE Cor., NE 1/4, Sec. 7, Twp. 27-S, R-1-W. Elev. = 151.05 City Datum

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POND DATA:
 STATIC POOL ELEVATION: 159.5 City Datum
 BOTTOM ELEVATION: 152.0 City Datum
 DESIGN WATER SURFACE: 162.5 City Datum

TYPICAL SLOPE CROSS SECTION

Windwood Addition Pond 2 Staking Points
 Project: windood2 Tue Jan 16 23:58:57 1996

Point statistics:
 Starting point number: 1
 Max point number used: 39
 Min point number used: 1
 Current point number: 40

Point	Northing	Current Coordinate Listing (All) Easting	Elevation	Description
1	4486.9006	3742.3222	162.00	
2	4475.1910	3781.7288	162.00	
3	4476.3149	3832.4605	162.00	
4	4490.8828	3866.5237	162.00	
5	4529.0368	3878.3138	162.00	
6	4573.1660	3877.4993	162.00	
7	4610.0811	3855.0988	162.00	
8	4640.2546	3845.7940	162.00	
9	4663.2828	3919.1635	162.00	
10	4688.3350	3798.4048	162.00	
11	4716.3602	3787.4223	162.00	
12	4745.7996	3780.0096	162.00	
13	4775.4180	3774.8560	162.00	
14	4812.4127	3768.4711	162.00	
15	4843.4142	3763.7339	162.00	
16	4874.6529	3762.4303	162.00	
17	4905.4922	3767.8933	162.00	
18	4929.4304	3771.1357	162.00	
19	4954.4959	3762.2005	162.00	
20	4962.1941	3737.8105	162.00	
21	4960.8463	3714.4463	162.00	
22	4950.2037	3705.9012	162.00	
23	4939.5393	3693.3477	163.00	
24	4917.3609	3685.0148	163.00	
25	4884.6286	3684.1054	163.00	
26	4850.3834	3688.1410	162.00	
27	4818.8758	3687.7466	162.00	
28	4784.0647	3687.3604	162.00	
29	4752.1821	3687.0736	162.00	
30	4717.9262	3688.3235	162.00	
31	4682.6430	3689.0827	162.00	
32	4650.4722	3689.6838	162.00	
33	4616.5079	3690.2697	162.00	
34	4585.2286	3693.6221	162.00	
35	4554.5522	3699.3089	162.00	
36	4530.8492	3709.9806	162.00	
37	4506.3393	3727.7029	162.00	
38	4477.7247	3673.8399	162.00	
39	4966.1300	3685.3915	162.00	

STAKING PLAN
POND 2
 WINDWOOD ADDITION

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

PROJECT NUMBER: GUTPPS (007901)

DESIGN: NGW/JDS DRAWN: JDS APPROVED: NGW DATE: 1-96 SCALE: 1"=20'

SHEET 5 OF 6