# 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 | 887-2470 |

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 locations, 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.

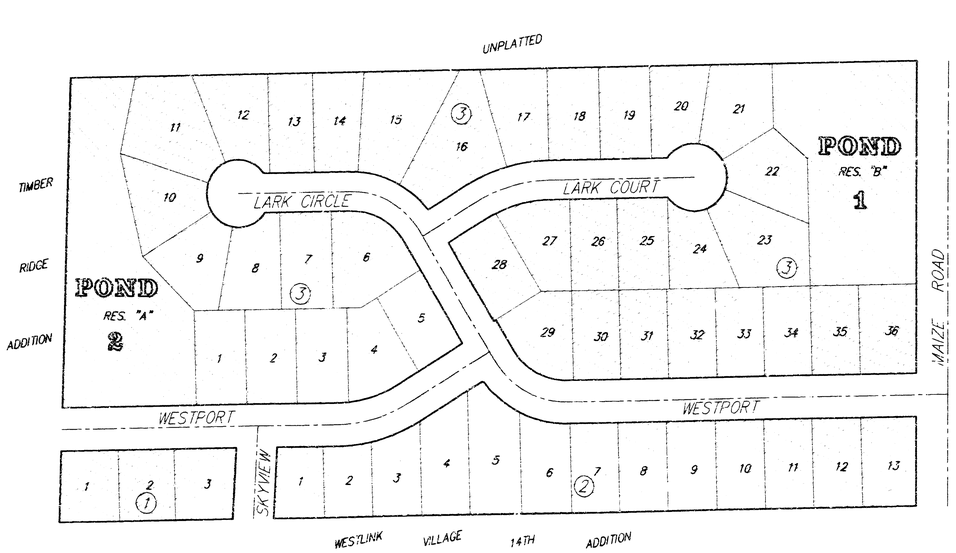
4. The Contractor shall give all property owners and/or tenants of developed property abutting the construction of this project a minimum of ten (10) days advance notice prior to start of construction.

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--88#/1000 Sq. Ft. (Equal parts of Olympic II, Bonanza, Apache, and Monarch 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 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.




SCALE: 1" = 100'

## Project Area

Earthwork Quantities:

Excavation: 25,730 Cu. Yds.

90% Compacted Liner: 2,130 Cu. Yds.

## Index of Sheets


| | |
|---|---|
| COVER | 1 |
| POND 1 | 2 |
| POND 2 | 3 |
| POND 1 STAKING PLAN | 4 |
| POND 2 STAKING PLAN | 5 |
| WINDWOOD ADDITION PLAT | 6 |


## 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. = 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.

BOOKED 7-17-97 MCG D-351

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

Sanitary Sewers _____

Storm Sewers VRH 1/22/96

Driveway Approaches _____

Water Mains _____

Paving _____

**NOTE TO CONTRACTORS**

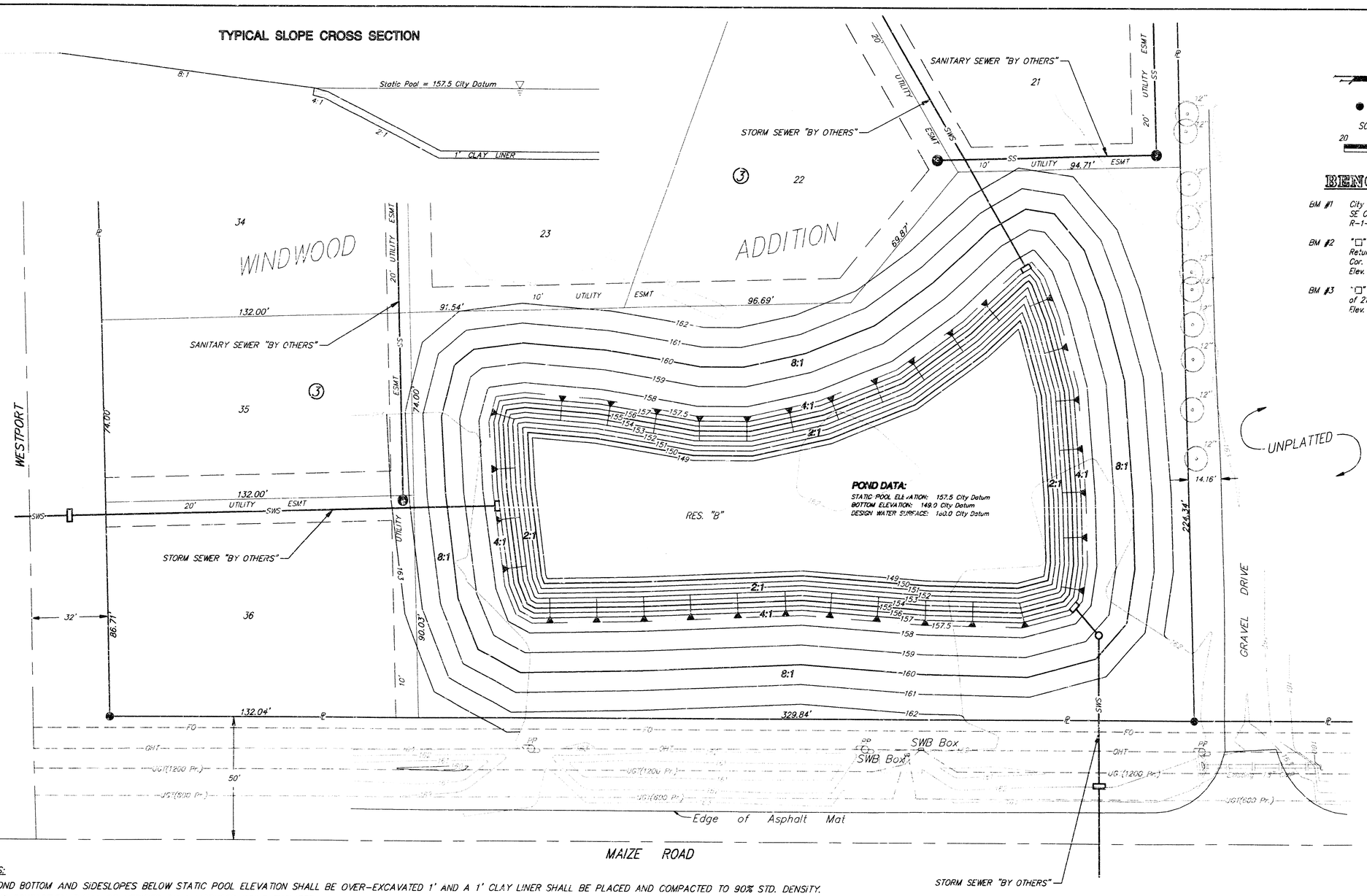
Inspection and testing for this project is to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Said inspection to be in accordance with the City of Wichita standard construction engineering practices and certified by a Licensed Professional Engineer. No work 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).

"AS-BUILT" PER PLAN 4/25/97 DLV- BAUGHMAN


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

## TYPICAL SLOPE CROSS SECTION




**POND DATA:**
STATIC POOL ELEVATION: 157.5 City Datum
BOTTOM ELEVATION: 149.0 City Datum
DESIGN WATER SURFACE: 160.0 City Datum

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.

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. THE COMPACTION SHALL BE VERIFIED BY A LICENSED SOILS ENGINEER DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SOILS TESTING WITHIN THE PONDS.
2. 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.
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 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

5. CONTRACTOR TO BE RESPONSIBLE FOR THE REMOVAL OF ALL ON-SITE DEBRIS.

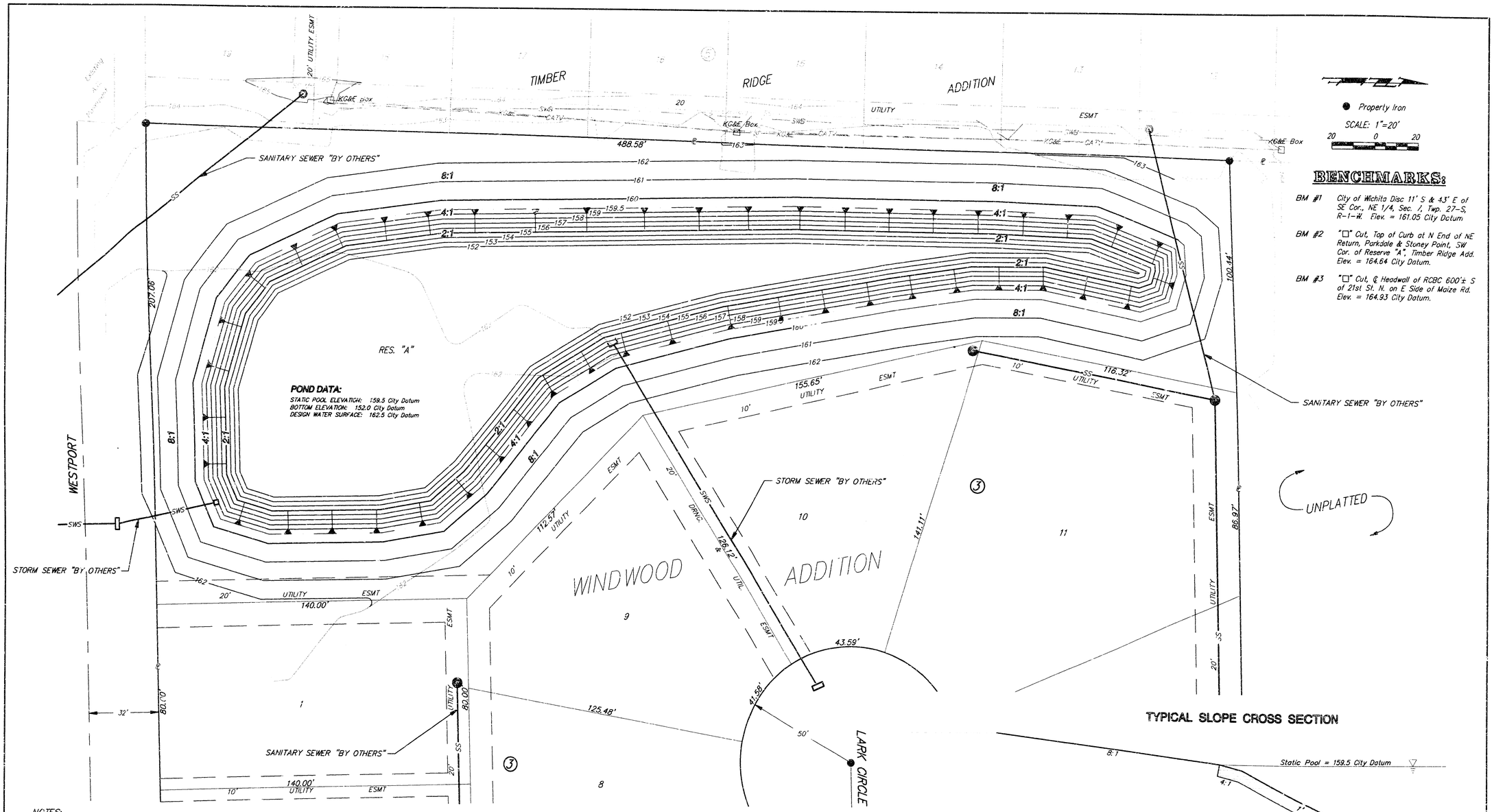
# POND 1
WINDWOOD ADDITION

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

| PROJECT NUMBER | SHEET |
|---|---|
| 607PPS (607861) | 2 of 6 |

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

windwood/pond1 95-72 E1196




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. THE COMPACTION SHALL BE VERIFIED BY A LICENSED SOILS ENGINEER DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SOILS TESTING WITHIN THE PONDS.~~ **DELETE**
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   MULCH---2 TONS OF PRAIRIE HAY/ACRE

5. CONTRACTOR TO BE RESPONSIBLE FOR THE REMOVAL OF ALL ON-SITE DEBRIS.

# POND 2
WINDWOOD ADDITION

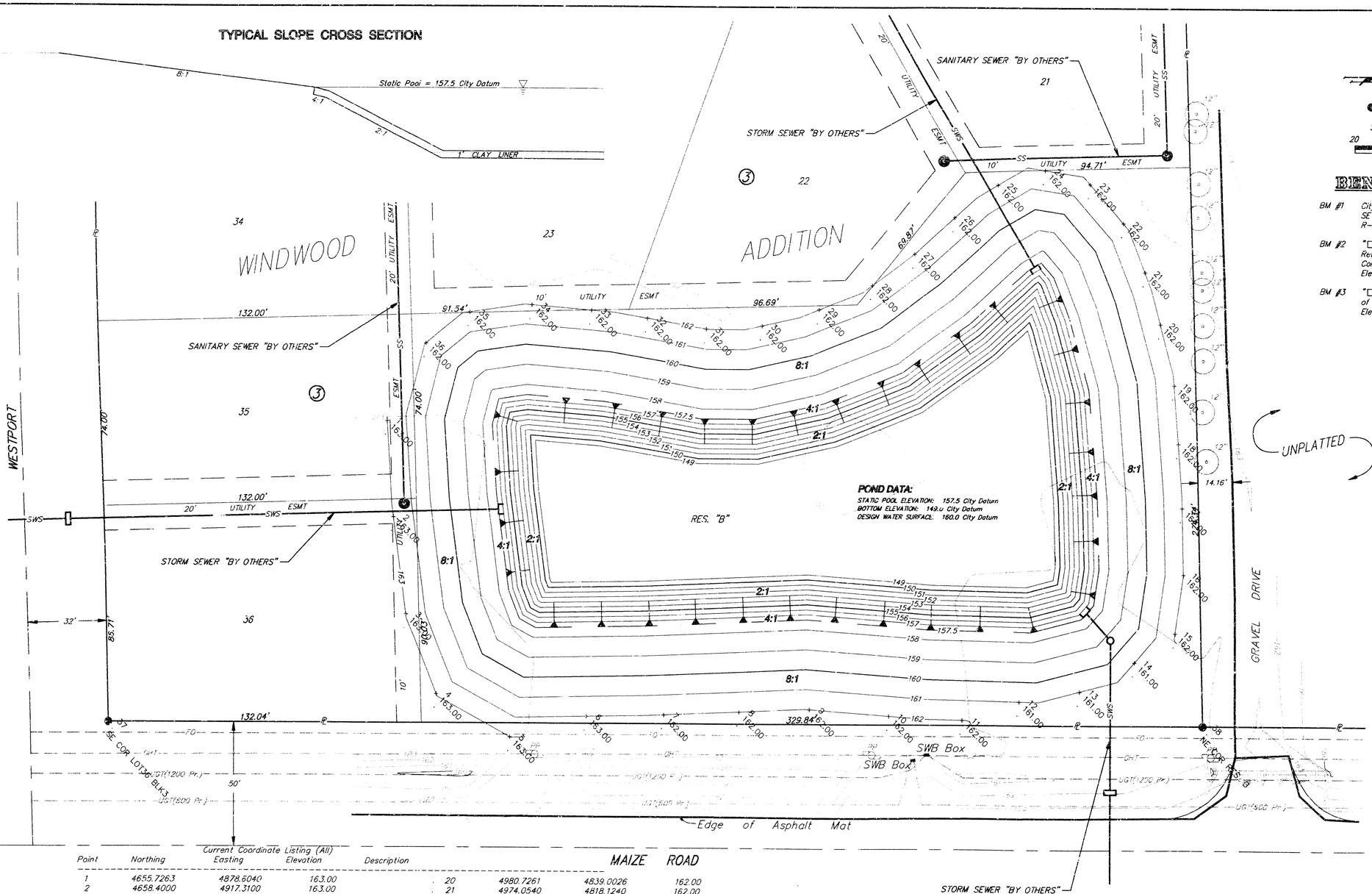
BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

| PROJECT NUMBER | | | | | SHEET |
|---|---|---|---|---|---|
| 807PPS (807861) | | | | | 3 OF 6 |
| DESIGN | DRAWN | APPROVED | DATE | SCALE | |
| NBW/JDS | JDS | NBW | 1-96 | 1"=20' | |

windwood pond2 95-12-L196

## TYPICAL SLOPE CROSS SECTION




**POND DATA:**
STATIC POOL ELEVATION: 157.5 City Datum
BOTTOM ELEVATION: 149.0 City Datum
DESIGN WATER SURFACE: 160.0 City Datum

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 Waize Rd. Elev. = 164.93 City Datum.

Current Coordinate Listing (All)

| Point | Northing | Easting | Elevation | Description |
|---|---|---|---|---|
| 1 | 4655.7263 | 4878.6040 | 163.00 | |
| 2 | 4658.4000 | 4917.3100 | 163.00 | |
| 3 | 4663.5990 | 4956.3229 | 163.00 | |
| 4 | 4676.2450 | 4988.3595 | 163.00 | |
| 5 | 4707.3154 | 5005.5937 | 163.00 | |
| 6 | 4739.7020 | 4997.1769 | 163.00 | |
| 7 | 4772.3077 | 4996.4214 | 162.00 | |
| 8 | 4804.3851 | 4995.1025 | 162.00 | |
| 9 | 4834.3187 | 4994.0557 | 162.00 | |
| 10 | 4857.4335 | 4990.4652 | 162.00 | |
| 11 | 4898.4236 | 4997.9504 | 162.00 | |
| 12 | 4921.9503 | 4990.4390 | 161.00 | |
| 13 | 4947.0678 | 4986.2843 | 161.00 | |
| 14 | 4969.9320 | 4974.4221 | 161.00 | |
| 15 | 4987.5004 | 4962.7466 | 162.00 | |
| 16 | 4991.0739 | 4939.2527 | 162.00 | |
| 17 | 4990.3657 | 4912.5636 | 162.00 | |
| 18 | 4988.5878 | 4886.9371 | 162.00 | |
| 19 | 4986.7417 | 4863.4532 | 162.00 | |
| 20 | 4980.7261 | 4839.0026 | 162.00 | |
| 21 | 4974.0540 | 4818.1240 | 162.00 | |
| 22 | 4964.9745 | 4798.4832 | 162.00 | |
| 23 | 4951.2764 | 4782.8203 | 162.00 | |
| 24 | 4932.5732 | 4777.2991 | 162.00 | |
| 25 | 4912.8408 | 4783.1398 | 162.00 | |
| 26 | 4895.0710 | 4796.0111 | 162.00 | |
| 27 | 4878.5163 | 4810.5614 | 162.00 | |
| 28 | 4860.4391 | 4823.2889 | 162.00 | |
| 29 | 4838.3361 | 4833.1978 | 162.00 | |
| 30 | 4813.9729 | 4839.8227 | 162.00 | |
| 31 | 4790.5301 | 4841.2039 | 162.00 | |
| 32 | 4765.2983 | 4837.0943 | 162.00 | |
| 33 | 4741.8408 | 4834.1025 | 162.00 | |
| 34 | 4716.7526 | 4832.1208 | 162.00 | |
| 35 | 4690.5348 | 4835.0702 | 162.00 | |
| 36 | 4671.9115 | 4847.4943 | 162.00 | |
| 37 | 4537.9331 | 4999.9492 | | SE COR LOT36 BLK3 |
| 38 | 4999.7683 | 4999.9492 | | NE COR RES. B |

MAIZE ROAD

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

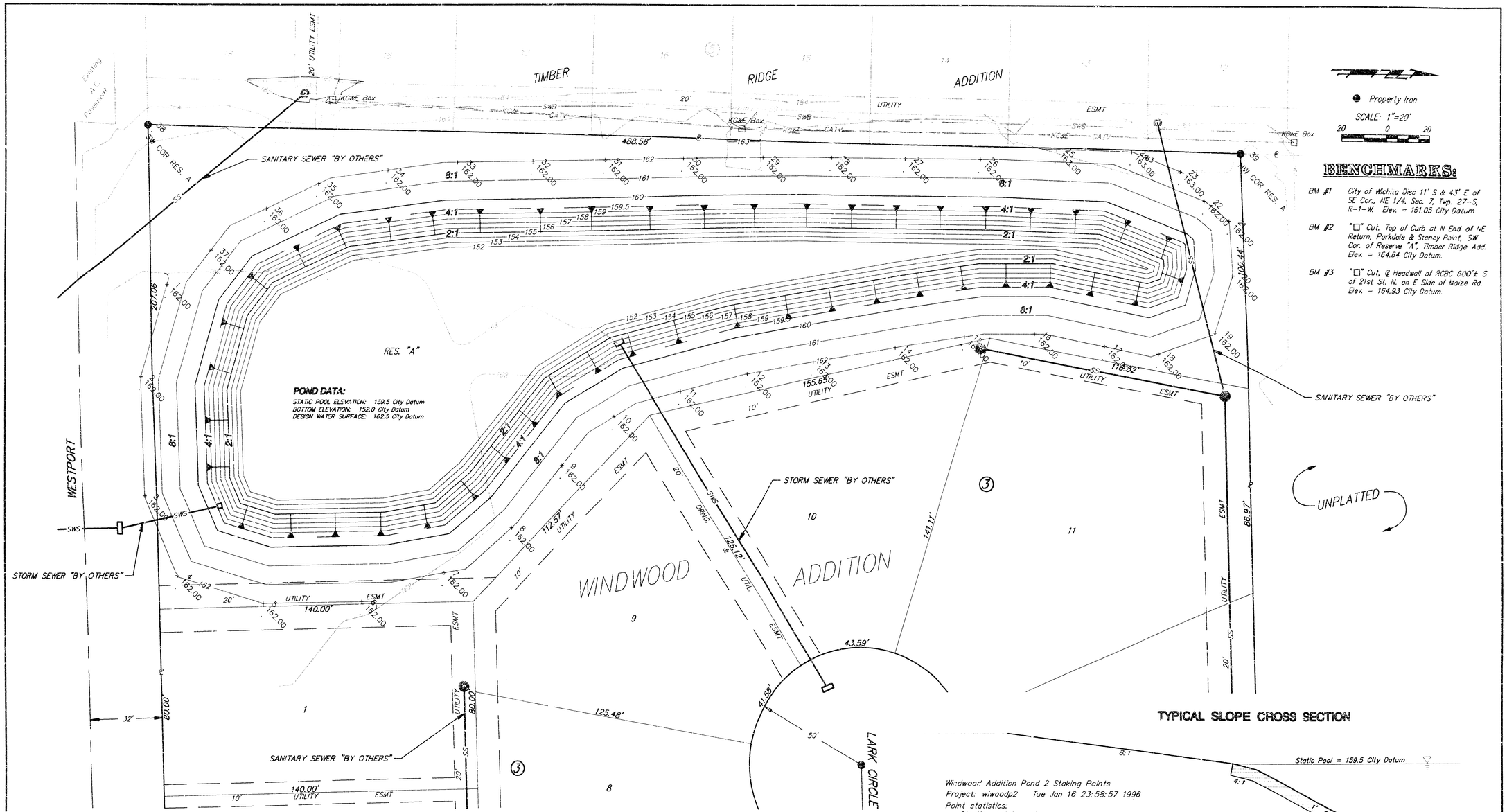
STAKING PLAN
**POND 1**
WINDWOOD ADDITION

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

| PROJECT NUMBER | SHEET |
|---|---|
| 607PPS (607681) | 4 of 8 |

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

wiwoodsd1.dwg 95-12-1196




## BENCHMARKS:

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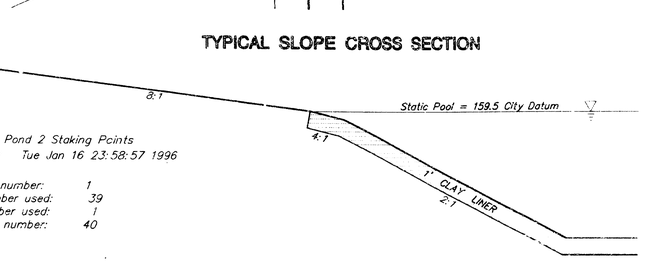
## TYPICAL SLOPE CROSS SECTION




Windwood Addition Pond 2 Staking Points
Project: wiwoodp2 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

Current Coordinate Listing (All)

| Point | Northing | 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 | 3819.1635 | 162.00 | |
| 10 | 4686.3350 | 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 | 4812.1127 | 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 | 4939.6393 | 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 | 4816.8758 | 3687.7466 | 162.00 | |
| 28 | 4784.0647 | 3687.3604 | 162.00 | |
| 29 | 4752.1821 | 3687.5736 | 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 | | SW COR RES. A |
| 39 | 4966.1300 | 3685.3915 | | NW COR RES. A |

STAKING PLAN
**POND 2**
WINDWOOD ADDITION

BAUGHMAN COMPANY P. A.
ENGINEERING, SURVEYING, & PLANNING
316-264-7271 • 315 ELLIS • WICHITA, KANSAS 67211

| PROJECT NUMBER | SHEET |
|---|---|
| 507PPS (507SG1) | 5 OF 6 |

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

95-12-1196
W:\WINDWOOD\STORM2