# CHADSWORTH 2ND ADDITION

## WICHITA, SEDGWICK COUNTY, KANSAS

| Basin | Area (Ac.) | Type | Q2 cfs | Q5 cfs | Q100 cfs |
|---|---|---|---|---|---|
| A | 4.2 | Res. | 7.7 | 9.6 | 19.8 |
| B | 11.0 | Res. | 20.2 | 25.1 | 51.9 |
| C | 2.1 | B.L. | 1.3 | 1.7 | 5.7 |
| D | 2.75 | B.L. | 1.7 | 2.3 | 7.5 |
| E | 1.4 | Res. | 2.6 | 3.2 | 6.6 |
| F | 3.9 | Res. | 7.2 | 8.9 | 18.4 |
| G | 5.8 | Res. | 10.7 | 13.2 | 27.4 |
| H | 1.6 | B.L. | 1.0 | 1.3 | 4.4 |
| I | 2.0 | Res. | 3.7 | 4.6 | 9.4 |
| J | 1.7 | B.L. | 1.0 | N/A | 4.6 |
| K | 3.7 | Res. | 6.8 | N/A | 17.5 |
| L | 4.0 | Res. | 7.4 | 9.1 | 18.9 |
| M | 4.45 | Res. | 8.2 | 10.1 | 21.0 |
| N | 1.4 | B.L. | 0.9 | 1.2 | 3.8 |

All basins are hydrological soil type "B" with a time of concentration of 15 minutes. Runoff factors of 0.40, 0.50, and 0.64 are used for the 2yr., 5yr. and 100 year runoff respectively. Rainfall intensity factors of 3.83 in/hr., 4.5 in/hr. and 7.37 in/hr. are used for the 2yr., 5yr. and 100yr. storms respectively.

Allow 180 cfs Overspill 100yr. From Cadillac Lake

2-36" R.C.P.

1" = 100'
• = PIN

Detention Pond
Static Pool = 155.3
100yr. W.S. = 158.2

RESERVE "A"

(Full Depth) Wet Channel

Detention Pond
Static Pool = 155.30

RESERVE "A"

100 yr. W.S. = 158.2
MIN. 6' Weir (East)
= 73 c.f.s

Connect To Exist. Detention Pond

Outlet Weir
Q100 = 73 cfs
(New Flow)

DETAIL

DETAIL

DETAIL

DRAINAGE PLAN

11/12/91

SHEET 2 OF 2

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| BENCH MARKS: | |
|---|---|
| R.R. Spike in Power Pole (east side), 46' South & 1' West of S.W. Corner Lot 41, Blk 4 Chadsworth 2nd Add. Elev. = 165.17 City Datum | Square Cut Top of Curb, Adjacent to N.E. Corner Lot 22, Blk 1 Chadsworth Addition Elev. = 164.82 City Datum |
| R.R. Spike in Power Pole (east side), 140.5' South & 20' West of N.W. Corner Lot 1, Blk 4 Chadsworth 2nd Add. Elev. = 164.01 City Datum | Cross Cut in Top of Headwall at Center Line of Double 3'x5'w RCBC, 251' East & 48' South of S.W. Corner of Chadsworth Addition Elev. = 159.14 City Datum |

NOTE:

Minimum garage floor elevations are shown on the plans. Contractor to set finish floor elevation.

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

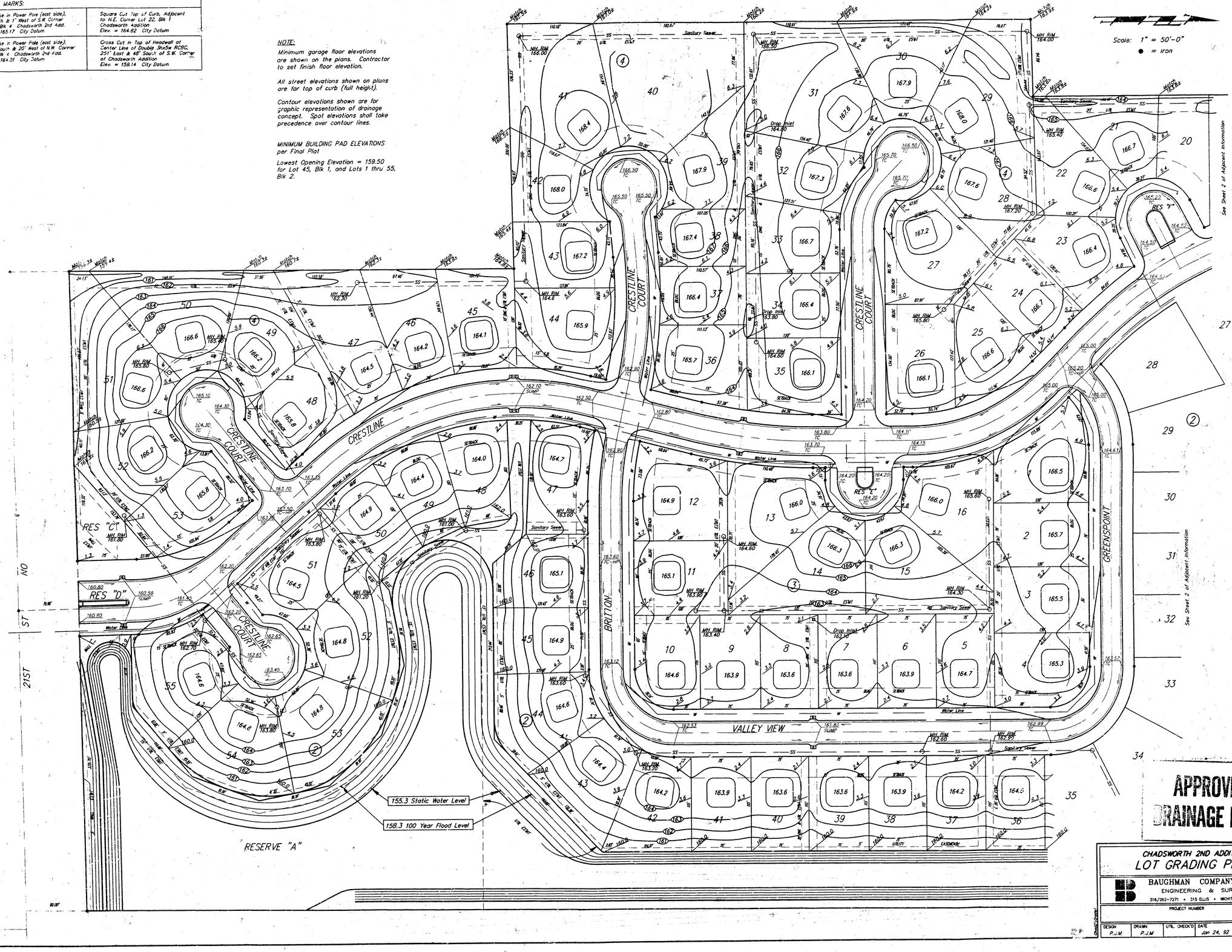
Contour elevations shown are for graphic representation of drainage concept. Spot elevations shall take precedence over contour lines.

MINIMUM BUILDING PAD ELEVATIONS per Final Plat

Lowest Opening Elevation = 159.50 for Lot 45, Blk 1, and Lots 1 thru 55, Blk 2.

Scale: 1" = 50'-0"

● = Iron




APPROVED
DRAINAGE PLAN

CHADSWORTH 2ND ADDITION
LOT GRADING PLAN

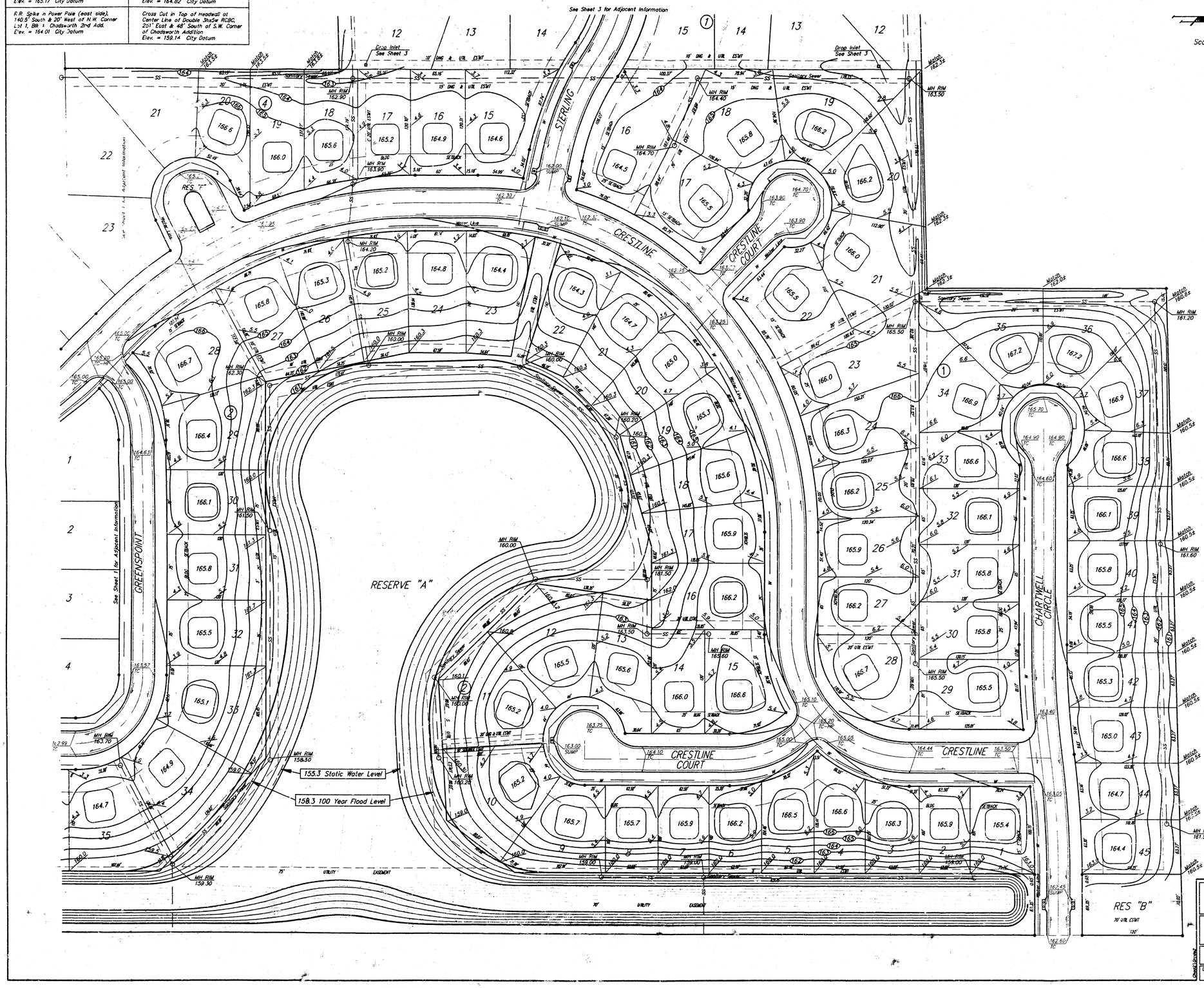
BAUGHMAN COMPANY P. A.
ENGINEERING & SURVEYING
316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

| PROJECT NUMBER | | | | SHEET 1 OF 3 |
|---|---|---|---|---|
| DESIGN P.J.M. | DRAWN P.J.M. | CHK'D | DATE Jan 24, 92 | SCALE 1"=50'-0" |

FILMED FROM THE BEST

**BENCH MARKS:**

| | |
|---|---|
| R.R. Spike in Power Pole (east side), 48' South & 1' West of S.W. Corner Lot 41, Blk 4 Chadsworth 2nd Add. Elev. = 165.17 City Datum | Square Cut Top of Curb, Adjacent to N.E. Corner Lot 23, Blk 1 Chadsworth Addition Elev. = 164.82 City Datum |
| R.R. Spike in Power Pole (east side), 140.5' South & 20' West of N.W. Corner Lot 1, Blk 1 Chadsworth 2nd Add. Elev. = 164.01 City Datum | Cross Cut in Top of Headwall at Center Line of Double 3'hx5'w RCBC, 201' East & 48' South of S.W. Corner of Chadsworth Addition Elev. = 159.14 City Datum |

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**CHADSWORTH 2ND ADDITION**

**LOT GRADING PLAN**

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

| PROJECT NUMBER | | | | SHEET 2 OF 3 |
|---|---|---|---|---|
| DESIGN P.J.M. | DRAWN P.J.M. | UTIL. CHECK'D | DATE | SCALE 1"=50'-0" |

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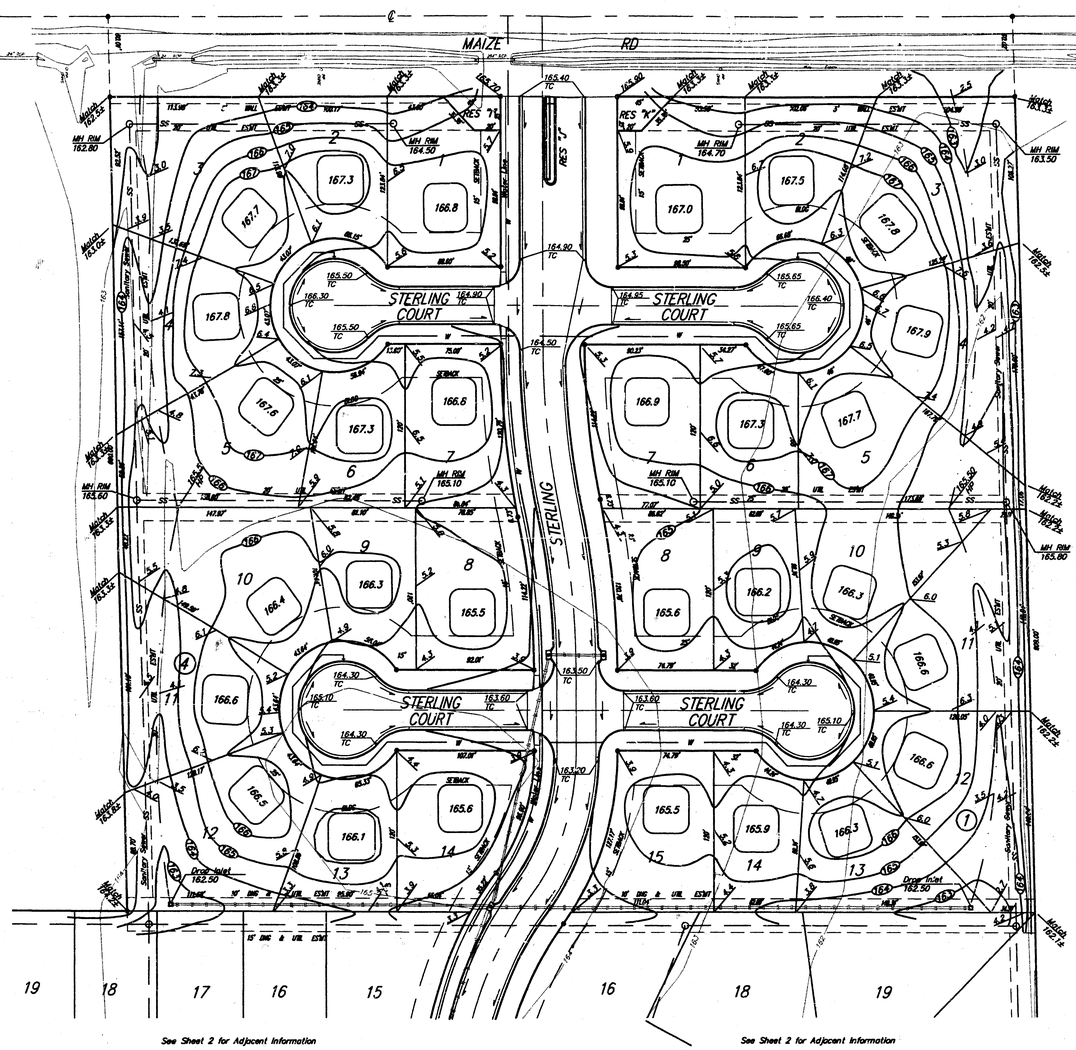
| BENCH MARKS: | |
|---|---|
| R.R. Spike in Power Pole (east side), 4" South & 1' West of S.W. Corner Lot 41, Blk. 4, Chadsworth 2nd Add. Elev. = 165.17 City Datum | Square Cut Tea of Curb, Adjacent to N.E. Corner Lot 22, Blk 1 Chadsworth Addition Elev. = 164.82 City Datum |
| R.R. Spike in Power Pole (east side), 140.5' South & 20' West of N.W. Corner Lot 1, Blk 4 Chadsworth 2nd Add. Elev. = 164.01 City Datum | Cross Cut in Top of Headwall at Center Line of Double 36x56 RCBC, 251' East & 48' South of S.W. Corner of Chadsworth Addition Elev. = 159.14 City Datum |

Scale: 1" = 50'-0"

● = Iron




*NOTE:*

*Minimum garage floor elevations are shown on the plans. Contractor to set finish floor elevation.*

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

*Contour elevations shown are for graphic representation of drainage concept. Spot elevations shall take precedence over contour lines.*

*MINIMUM BUILDING PAD ELEVATIONS per Final Plat*

*Lowest Opening Elevation = 159.50 for Lot 45, Blk 1, and Lots 1 thru 55, Blk 2.*

CHADSWORTH 2ND ADDITION

LOT GRADING PLAN

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| PROJECT NUMBER | | | | | SHEET 3 OF 3 |
|---|---|---|---|---|---|
| DESIGN P.J.M. | DRAWN P.J.M. | UTIL. CHECK'D | DATE Jan 24, 92 | SCALE 1"=50'-0" | |

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