

Spring Orchard As-Built

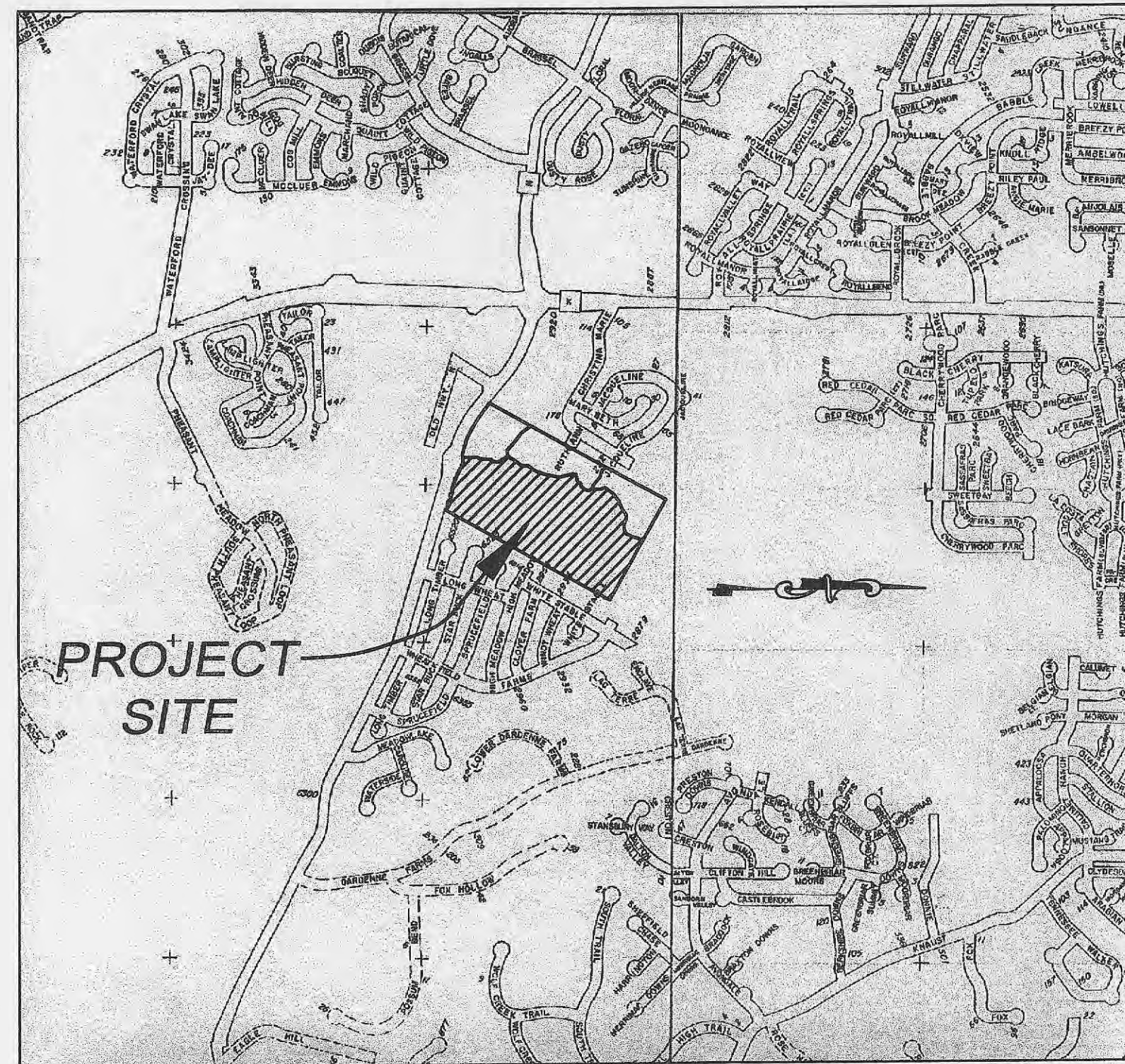
GRADING NOTES:

- 1. All construction methods, materials and practices shall conform to all current applicable specifications of the governing agencies.
2. Any destruction of existing improvements or features to remain shall be repaired or replaced in kind by the contractor and shall remain the contractor's responsibility.
3. Underground utilities have been plotted from available information and therefore their locations must be considered approximate only. The verification of the location of all underground utilities, either shown or not shown on these plans shall be the responsibility of the contractor, and shall be located prior to grading or construction of improvements.

A SET OF IMPROVEMENT PLANS FOR
SPRING ORCHARD
A TRACT OF LAND BEING PART OF U.S. SURVEY 67,
TOWNSHIP 46 NORTH, RANGE 3 EAST,
ST. CHARLES COUNTY, MISSOURI

GENERAL NOTES:

- 1. This site is in the following Districts: Duckett Creek Sewer District, City of O'Fallon Fire Protection District, Fort Zumwalt School District.
2. This site is in the following Utility Service Areas: Public Water District #2, AT&T Broadband, Ameren UE Company, St. Charles County Gas Company, Verizon GTE Telephone.
3. Sanitary sewer connections shall be as approved by the Duckett Creek Sewer District and the City of O'Fallon.



LOCATION MAP NOT TO SCALE

VILLAGES A & B PROJECT NOTES: R-1 PUD

- 1. Area of Site: 59.7 acres
2. Current Zoning: 'R-1 PUD'
3. Present Owner: Goldkap III, L.L.C.
4. Lot Data: A. Total Units: 187, B. Average Lot size Village A-3,157 sq. ft., C. Minimum Lot width at building line 70' Village B
5. Yard set backs: 1. Front - 20', 2. Side - 5', 3. Rear - 15'

DUCKETT CREEK SANITARY DISTRICT CONSTRUCTION NOTES

- 1. Underground utilities have been plotted from available information and therefore shall be considered approximate only. The verification of the location of all underground utilities, either shown or not shown on these plans, shall be the responsibility of the contractor and shall be located prior to any grading or construction of improvements.
2. Gas, water and other underground utilities shall not conflict with the depth or horizontal location of existing or proposed sanitary and storm sewers, including house laterals.

LEGEND table with columns for EXISTING, LEGEND, and PROPOSED. Includes symbols for contours, spot elevations, center lines, buildings, trees, fences, storm sewers, sanitary sewers, catch basins, area inlets, grates, storm manholes, sanitary manholes, flared end sections, cleanouts, lateral connections, utility or power poles, fire hydrants, test holes, pavement, gas main & size, water main & size, telephone, electric (U) underground, electric (O) overhead, flow lines, items to be removed, top of curb, swales, light standards, street signs, stop signs, parking stalls, and yard lights.

INDEX OF SHEETS

INDEX OF SHEETS table listing sheet numbers and titles: 1 COVER SHEET, 2-5 GRADING PLANS, 6-9 SITE PLANS, 10-13 STREET PROFILES & DETAILS, 14-17 SANITARY SEWER PROFILES, 18-20 STORM SEWER PROFILES, 21-24 DRAINAGE AREA MAPS, 25 DETENTION CALCULATIONS, 26-29 WATER PLANS, WD-1 WATER DETAILS, CD1 - CD4 CONSTRUCTION DETAILS, CD5 - CD7 D.C.S.D. DETAILS, CD8 - CD9 WARPING DETAILS, CD10 BOX CULVERT DETAILS

FLOOD NOTE:

ACCORDING TO THE FLOOD INSURANCE RATE MAP OF THE COUNTY OF ST. CHARLES, MISSOURI, UNINCORPORATED AREAS (COMMUNITY PANEL NUMBER 291830035 E DATED AUGUST 2, 1996), A PORTION OF THIS PROPERTY LIES WITHIN ZONE AE. ZONE AE IS DEFINED AS AN AREA OF 100 YEAR FLOOD HAZARD, IN WHICH BASE FLOOD ELEVATIONS HAVE BEEN DETERMINED.

ESTIMATED CONSTRUCTION SCHEDULE

- 1. Clearing and Grubbing: August 2001
2. Rough Grading: August 2001 - October 2001
3. Construction of sewers, utilities, and roads: October 2001 - December 2001
4. Final Grading: January 2002
5. Landscaping: April 2002

PROJECT B.M. (MoDOT #90)

"A" AT CENTER OF SOUTH HEADWALL; STA. 225+83, 13' RT. ON OLD HIGHWAY N. ELEV. 487.17 USGS DATUM

S.B.M. #1

OLD CROSS AT INTERSECTION OF HIGH MEADOWS DRIVE AND WHITE STABLE DRIVE. ELEV. 530.15 USGS DATUM

S.B.M. #2

OLD CROSS AT INTERSECTION OF RUTH ANN DRIVE AND CHRISTINA MARIE DRIVE. ELEV. 499.98 USGS DATUM

Final Measurement Plat

"As of 1/8/02, I certify that these 'As-Built' drawings indicate the actual locations, heights, sizes, types and class of pipe to be certified by pipe contractor, flowlines, depths, structure wye locations have been plotted from notes provided by sewer contractor, and that the public sewers have been constructed within existing easements as shown on this subdivision or easement plat with the exception of the following:

None/or



LANDSCAPE LEGEND

- EVERGREEN TREE(6' MIN. HT.) WHITE PINES/AUSTRIANS
DECIDUOUS TREE(2" MIN. CALIPER PIN OAKS, ASH, SWEET GUM)

TREE ORDINANCE

Existing trees = 6.6 acres
Trees removed = 1.9 acres
Trees required = 15 trees per acre
15 trees X 1.9 acres = 29 trees required
Trees proposed = 29 trees
29 trees proposed = 29 trees required
Complied with Ordinance

REVISIONS table with columns for ISSUE, REMARKS/DATE, and revision numbers 1 through 9.

PREPARED FOR: N & K HIGHWAYS, L.L.C. 5091 NEW BAUMGARTNER ST. LOUIS, MISSOURI 63129 (314) 487-6717



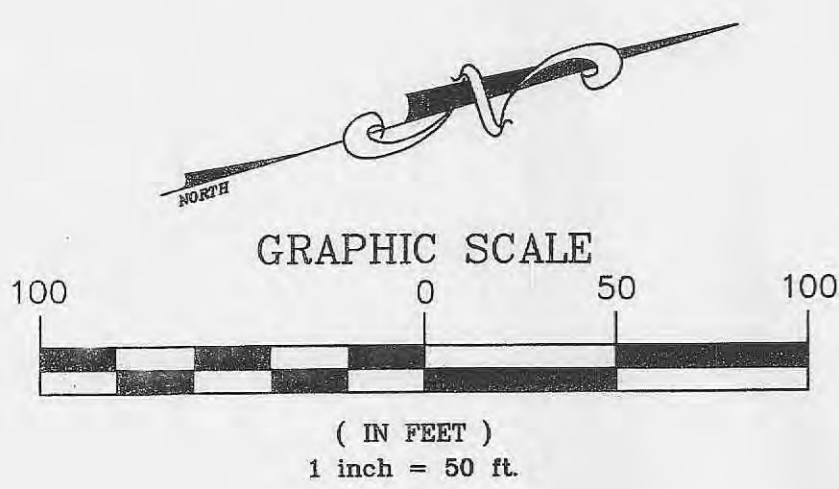
THE STERLING COMPANY ENGINEERS & SURVEYORS 5055 NEW BAUMGARTNER ROAD ST. LOUIS, MISSOURI 63129 (314) 487-0440 FAX 487-8844 E-Mail: Sterling@sterling-eng-sur.com

PROJECT INFORMATION table with fields for DRAWN, DESIGNED, CHECKED, PROJECT, SHEET TITLE, NO., SHEET, M.S.D., P#.

THE UNDERGROUND UTILITIES SHOWN HEREON WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SAID UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319, RSMo

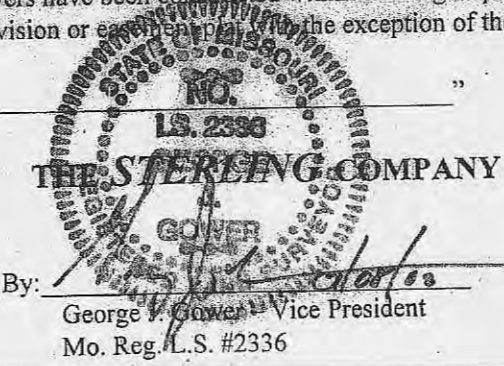


**TRACT 5  
PROPOSED C-2**



**Final Measurement Plat**

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None/or

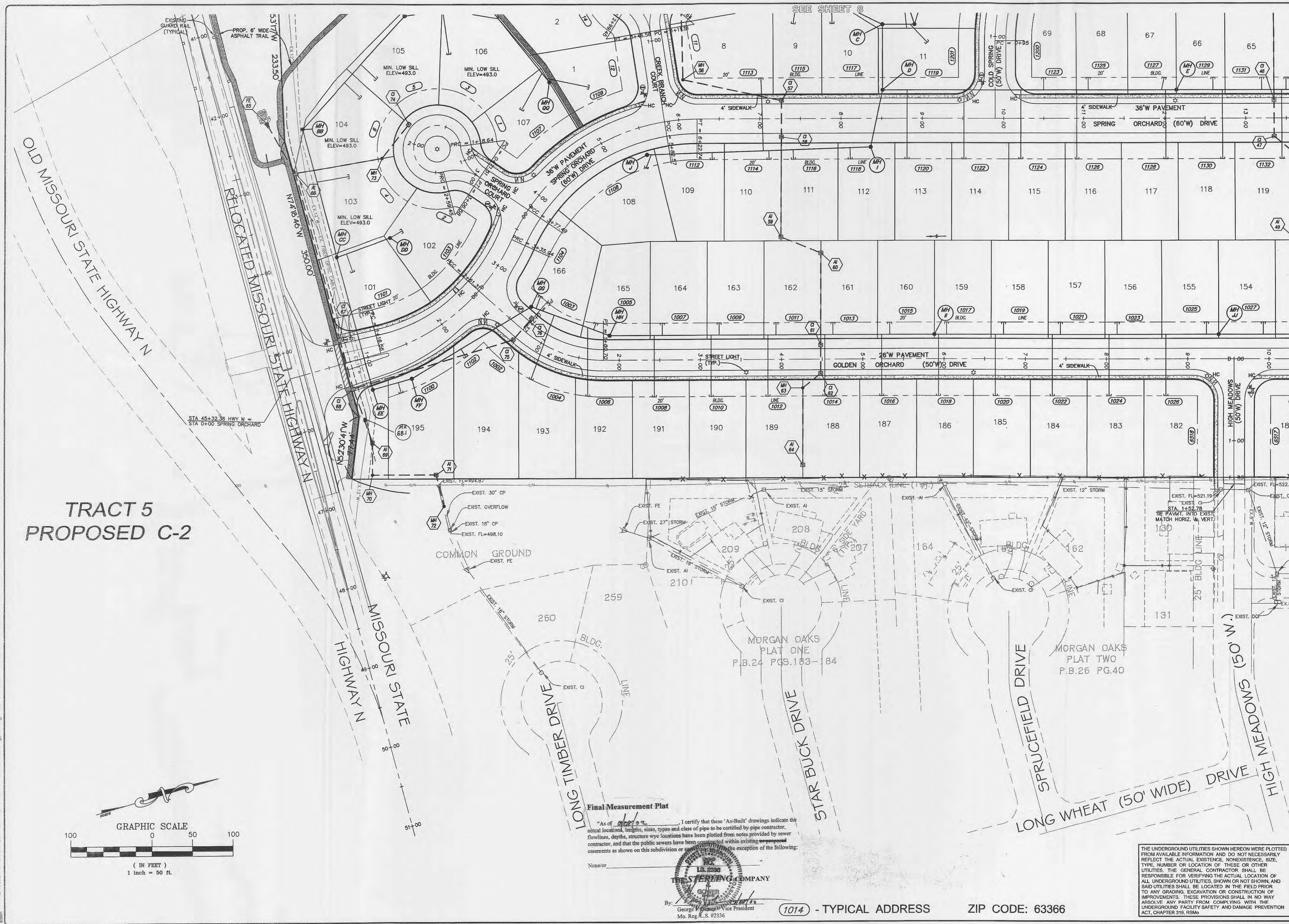


1014 - TYPICAL ADDRESS

ZIP CODE: 63366

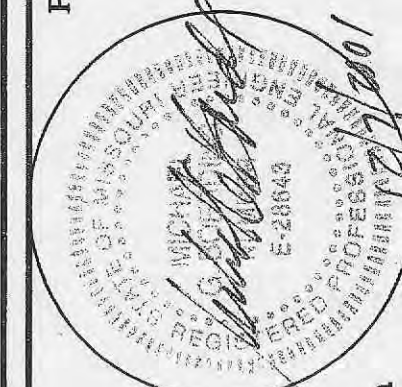
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BASE MAP



| ISSUE | REMARKS/DATE                       |
|-------|------------------------------------|
| 1     | 9-40-01 FIRST SUBMITTAL            |
| 2     | 9-25-01 REVISIONS PER D.C.S.D.     |
| 3     | 10-05-01 D.C.S.D. & CITY COMMENTS  |
| 4     | 10-14-01 STORM & SANITARY APPROVAL |
| 5     | 10-12-01 REVISE LATERALS PER CITY  |
| 6     | 10-28-01 CITY COMMENTS             |
| 7     | 11-28-01 CITY COMMENTS             |
| 8     | 12-07-01 ADDED TRAIL EXTENSION     |

PREPARED FOR:  
**N & K HIGHWAYS, L.L.C.**  
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ST. LOUIS, MISSOURI 63129  
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THE **STERLING** CO.  
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E-Mail: Sterling@sterling-eng-sur.com

|          |           |          |
|----------|-----------|----------|
| PROJECT: | DESIGNED: | CHECKED: |
| GS       | JCM       |          |

**SPRING ORCHARD**  
SHEET TITLE: SITE PLAN

|                       |       |    |     |
|-----------------------|-------|----|-----|
| NO.                   | 01    | 01 | 008 |
| M.S.D.                | SHEET |    |     |
| P#                    | 6     |    |     |
| DIGITAL FILE LOCATION | 29    |    |     |
| REVISED               | OF    |    |     |

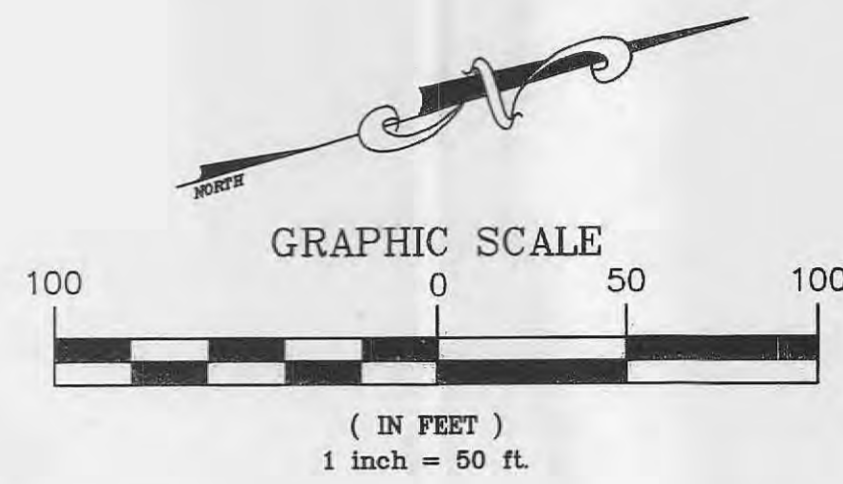






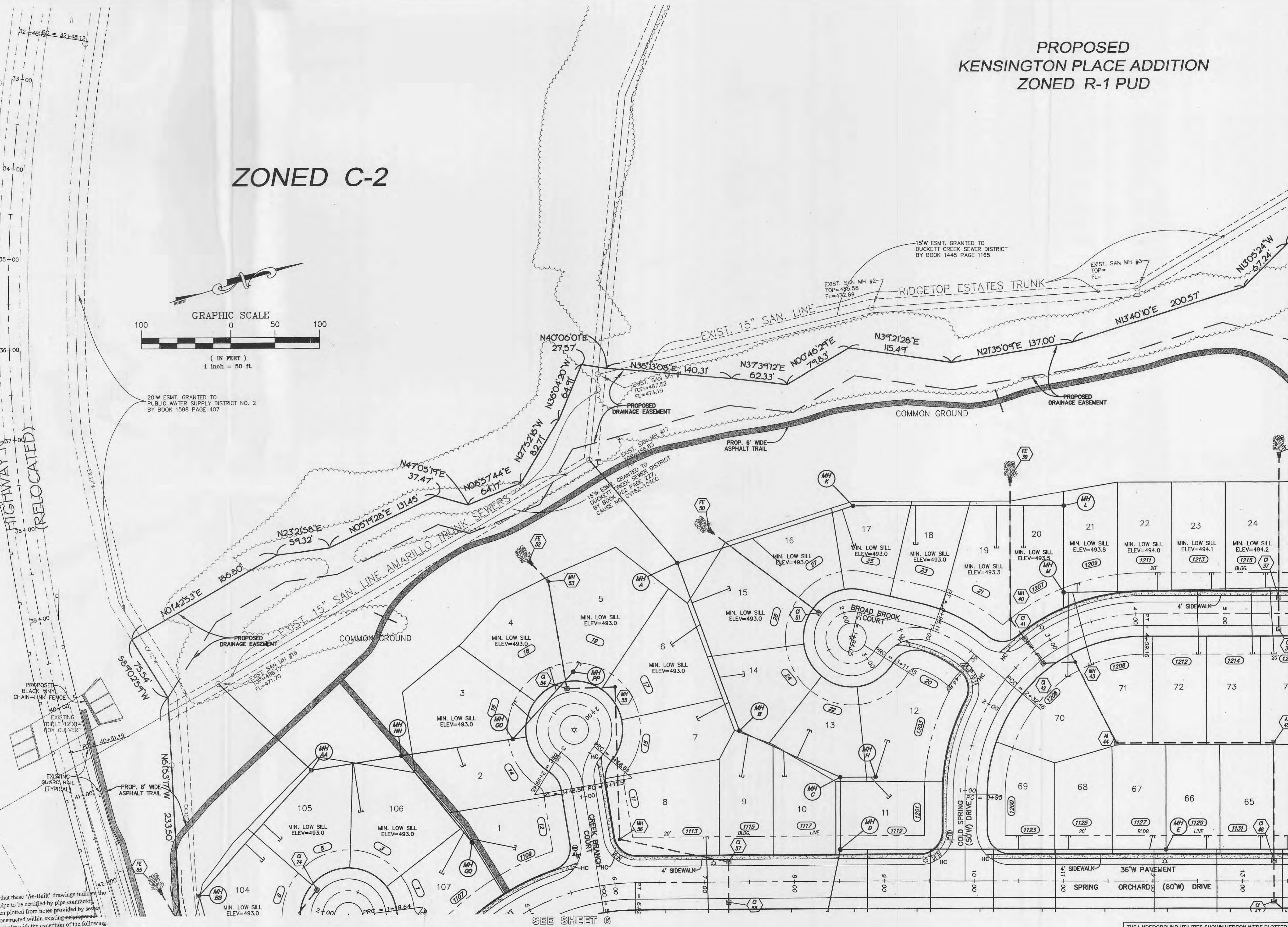
PROPOSED  
KENSINGTON PLACE ADDITION  
ZONED R-1 PUD

ZONED C-2



20'W ESMT. GRANTED TO  
PUBLIC WATER SUPPLY DISTRICT NO. 2  
BY BOOK 1598 PAGE 407

MISSOURI STATE  
HIGHWAY  
(RELOCATED)



Final Measurement Plat

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None/or

THE STERLING COMPANY

By: George J. ... Vice President

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(1014) - TYPICAL ADDRESS ZIP CODE: 63366

| ISSUE | REMARKS/DATE                       |
|-------|------------------------------------|
| 1     | 9-28-01 FIRST SUBMITTAL            |
| 2     | 9-28-01 REVISIONS PER D.C.S.D.     |
| 3     | 10-05-01 D.C.S.D. & CITY COMMENTS  |
| 4     | 10-11-01 STORM & SANITARY APPROVAL |
| 5     | 10-12-01 REVISE LATERALS PER CITY  |
| 6     | 10-28-01 CITY COMMENTS             |
| 7     | 11-28-01 CITY COMMENTS             |
| 8     | 12-07-01 ADDED TRAIL EXTENSION     |

PREPARED FOR:

**N & K HIGHWAYS, L.L.C.**  
5091 NEW BAUMGARTNER  
ST. LOUIS, MISSOURI 63129  
(314) 487-6717

PREPARED BY:

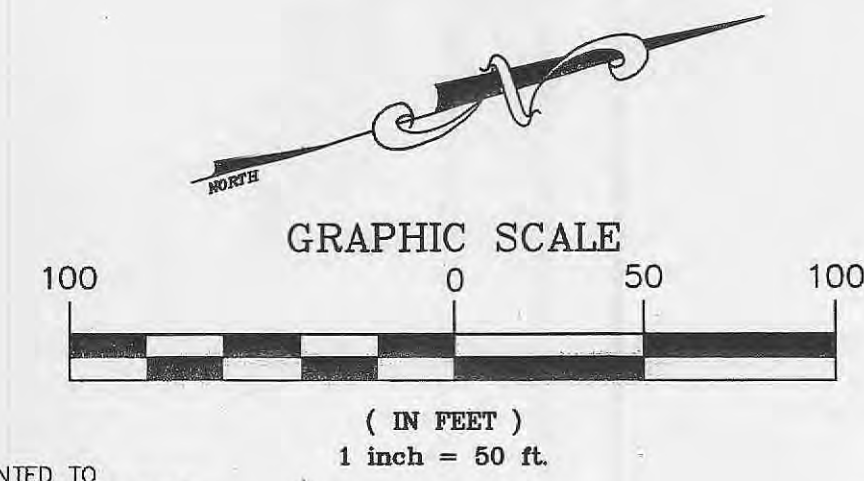
**THE STERLING CO.**  
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|           |           |
|-----------|-----------|
| PROJECT:  | CS        |
| DRAWN:    | JCM       |
| DESIGNED: | JCM       |
| CHECKED:  | JCM       |
| NO.       | 01 01 008 |
| M.S.D.    | 8 SHEET   |
| P#        | 8 OF 29   |

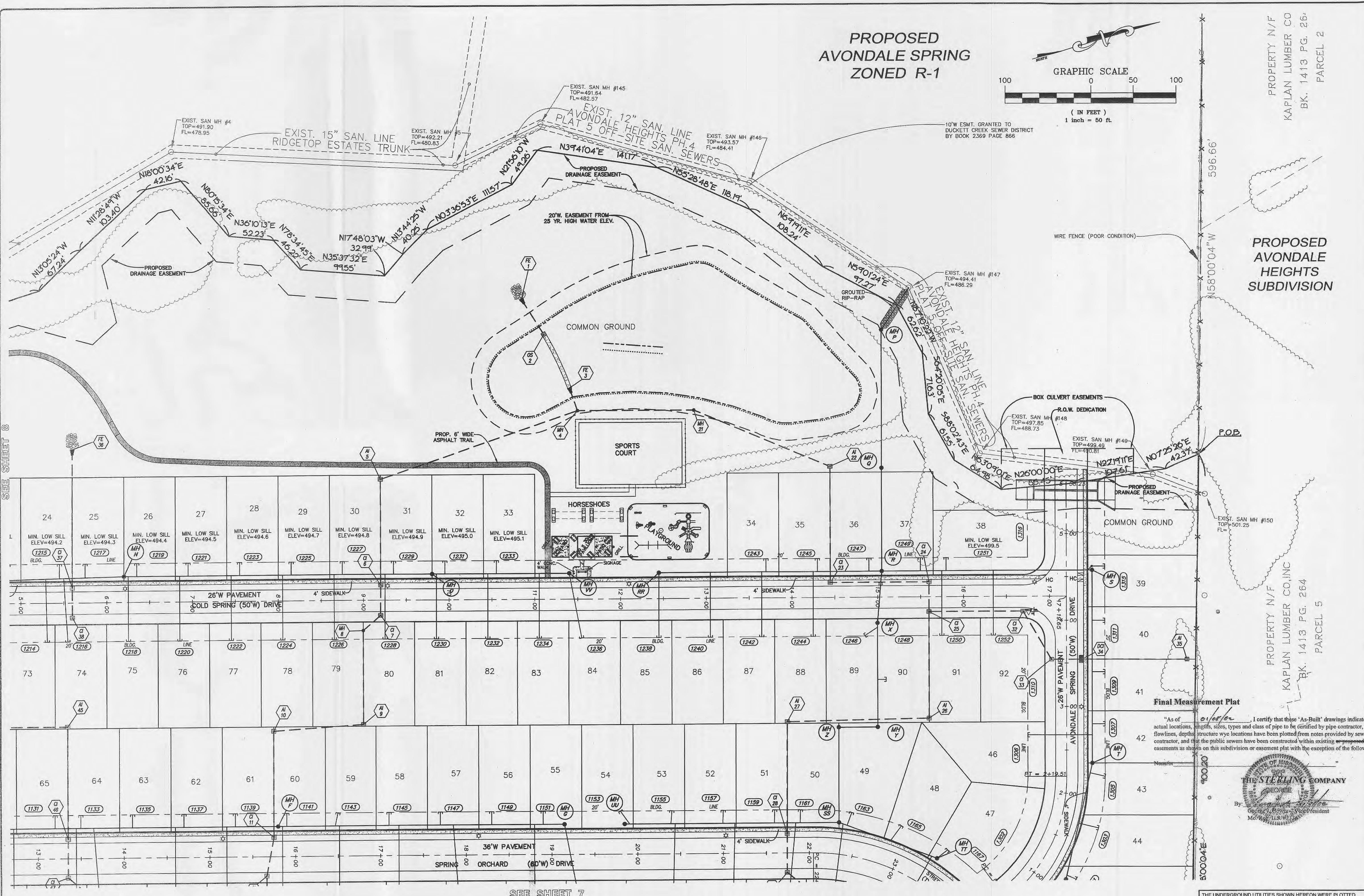
BASE MAP



PROPOSED  
AVONDALE SPRING  
ZONED R-1



PROPERTY N/F  
KAPLAN LUMBER CO  
BK. 1413 PG. 26  
PARCEL 2



PROPOSED  
AVONDALE  
HEIGHTS  
SUBDIVISION

PROPERTY N/F  
KAPLAN LUMBER CO, INC  
BK. 1413 PG. 264  
PARCEL 5

Final Measurement Plat

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SEE SHEET 8

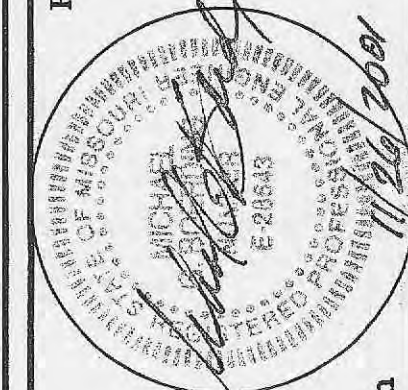
SEE SHEET 7

(1014) - TYPICAL ADDRESS ZIP CODE: 63366

BASE MAP

| ISSUE | REMARKS/DATE                       |
|-------|------------------------------------|
| 1     | 9-28-01 FIRST SUBMITTAL            |
| 2     | 9-28-01 REVISIONS PER D.C.S.D.     |
| 3     | 10-05-01 D.C.S.D. & CITY COMMENTS  |
| 4     | 10-11-01 STORM & SANITARY APPROVAL |
| 5     | 10-12-01 REVISE LATERALS PER CITY  |
| 6     | 10-28-01 CITY COMMENTS             |
| 6     | 11-28-01 CITY COMMENTS             |

PREPARED FOR:  
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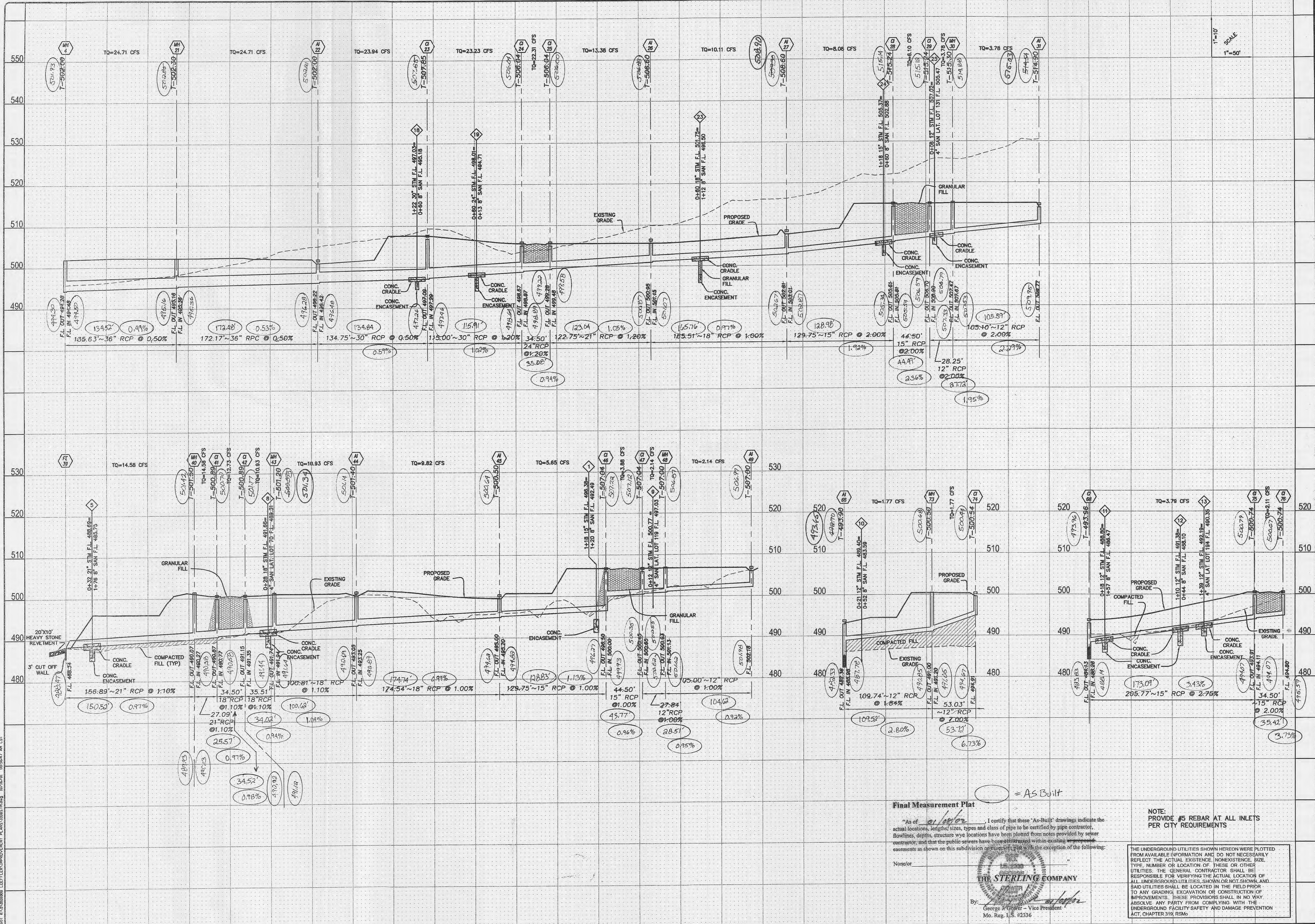


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|              |           |
|--------------|-----------|
| PROJECT:     | GS        |
| DESIGNED:    | JCM       |
| CHECKED:     |           |
| DRAWN:       | CS        |
| SHEET TITLE: | SITE PLAN |

|                       |                     |    |     |
|-----------------------|---------------------|----|-----|
| NO.                   | 01                  | 01 | 008 |
| M.S.D.                |                     |    |     |
| P#                    |                     |    | 9   |
| DIGITAL FILE LOCATION | STERLING-STERLING-2 |    |     |
| DATE                  | 10/08/06            |    |     |
| OF                    |                     |    | 29  |





| ISSUE | REMARKS/DATE                                       |
|-------|--|
| 1     | 9-06-01 FIRST SUBMITTAL                            |
| 2     | 9-26-01 REVISIONS PER D.C.S.D.                     |
| 3     | 10-05-01 D.C.S.D. & CITY COMMENTS                  |
| 4     | 10-11-01 FOR SANITARY & STORM SEWER APPROVAL       |
| 5     | 10-12-01 REVISE LATERALS PER CITY & INHOUSE REVIEW |
| 6     | 10-26-01 CITY COMMENTS                             |

PREPARED FOR:  
**N & K HIGHWAYS, L.L.C.**  
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PROJECT: **SPRING ORCHARD**  
 SHEET TITLE: **STORM SEWER PROFILES**

|                       |    |       |
|-----------------------|----|-------|
| NO.                   | 01 | 008   |
| M.S.D.                |    | SHEET |
| P# N/A                | 19 | OF    |
| DIGITAL FILE LOCATION |    | 29    |

**Final Measurement Plat**

"As of 10/26/02, I certify that these 'As-Built' drawings indicate the actual locations, lengths, sizes, types and class of pipe to be certified by pipe contractor. Flowlines, depths, structure and locations have been plotted from notes provided by sewer contractor; and that the public sewers have been identified within existing encasements as shown on this subdivision or ejection plat with the exception of the following:

None/0r

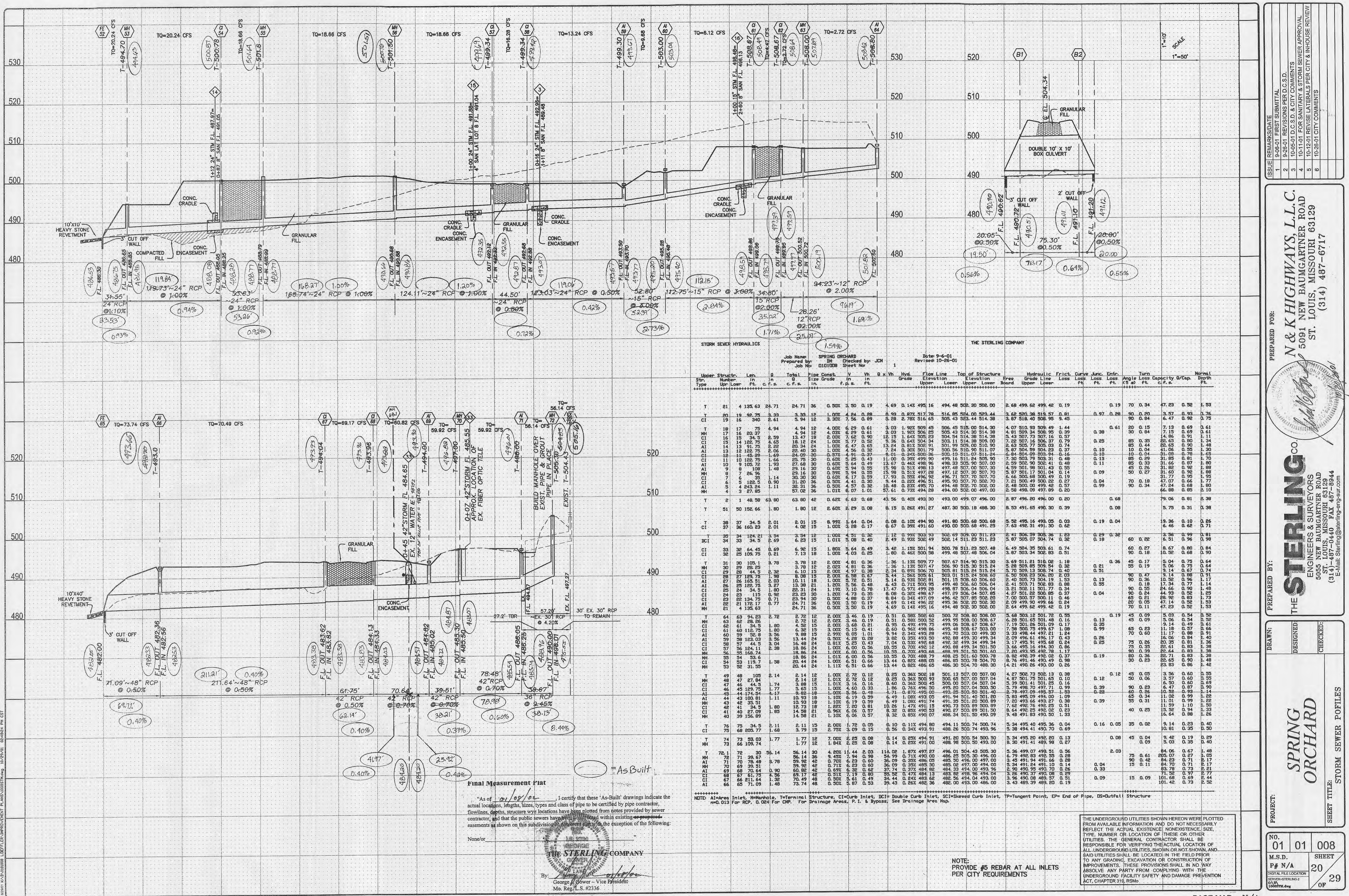


By: *George J. Gwiler*  
 George J. Gwiler - Vice President  
 Mo. Reg. 1.S. #2336

NOTE: PROVIDE #5 REBAR AT ALL INLETS PER CITY REQUIREMENTS

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STORM SEWER HYDRAULICS

Job Name: SPRING ORCHARD  
 Prepared by: JCH  
 Checked by: JCH  
 Date: 9-6-01  
 Revised: 10-26-01

| Upper Structure No. | Lower Structure No. | Length | Pipe Size | Material | Flow Line Grade | Top of Structure Elevation | Free Board | Hydraulic Friction Loss | Curve Loss | Entr. Loss | Turn Loss | Angle | Capacity | Normal Depth |
|---------------------|---------------------|--------|-----------|----------|-----------------|----------------------------|------------|-------------------------|------------|------------|-----------|-------|----------|--------------|
| 21                  | 24                  | 135.63 | 24"       | 36"      | 0.50%           | 494.48                     | 502.30     | 502.00                  | 2.68       | 499.62     | 499.42    | 0.19  | 70       | 0.34         |
| 20                  | 19                  | 92.75  | 36"       | 36"      | 1.00%           | 494.48                     | 502.30     | 502.44                  | 3.62       | 500.38     | 519.57    | 0.81  | 90       | 0.29         |
| 19                  | 18                  | 340    | 48"       | 48"      | 3.00%           | 494.48                     | 502.30     | 502.44                  | 3.62       | 500.38     | 519.57    | 0.81  | 90       | 0.29         |
| 18                  | 17                  | 16     | 36"       | 36"      | 4.00%           | 494.48                     | 502.30     | 502.44                  | 3.62       | 500.38     | 519.57    | 0.81  | 90       | 0.29         |
| 17                  | 16                  | 15     | 36"       | 36"      | 2.00%           | 494.48                     | 502.30     | 502.44                  | 3.62       | 500.38     | 519.57    | 0.81  | 90       | 0.29         |
| 16                  | 15                  | 14     | 36"       | 36"      | 1.00%           | 494.48                     | 502.30     | 502.44                  | 3.62       | 500.38     | 519.57    | 0.81  | 90       | 0.29         |
| 15                  | 14                  | 13     | 36"       | 36"      | 1.00%           | 494.48                     | 502.30     | 502.44                  | 3.62       | 500.38     | 519.57    | 0.81  | 90       | 0.29         |
| 14                  | 13                  | 12     | 36"       | 36"      | 1.00%           | 494.48                     | 502.30     | 502.44                  | 3.62       | 500.38     | 519.57    | 0.81  | 90       | 0.29         |
| 13                  | 12                  | 11     | 36"       | 36"      | 1.00%           | 494.48                     | 502.30     | 502.44                  | 3.62       | 500.38     | 519.57    | 0.81  | 90       | 0.29         |
| 12                  | 11                  | 10     | 36"       | 36"      | 1.00%           | 494.48                     | 502.30     | 502.44                  | 3.62       | 500.38     | 519.57    | 0.81  | 90       | 0.29         |
| 11                  | 10                  | 9      | 36"       | 36"      | 1.00%           | 494.48                     | 502.30     | 502.44                  | 3.62       | 500.38     | 519.57    | 0.81  | 90       | 0.29         |
| 10                  | 9                   | 8      | 36"       | 36"      | 1.00%           | 494.48                     | 502.30     | 502.44                  | 3.62       | 500.38     | 519.57    | 0.81  | 90       | 0.29         |
| 9                   | 8                   | 7      | 36"       | 36"      | 1.00%           | 494.48                     | 502.30     | 502.44                  | 3.62       | 500.38     | 519.57    | 0.81  | 90       | 0.29         |
| 8                   | 7                   | 6      | 36"       | 36"      | 1.00%           | 494.48                     | 502.30     | 502.44                  | 3.62       | 500.38     | 519.57    | 0.81  | 90       | 0.29         |
| 7                   | 6                   | 5      | 36"       | 36"      | 1.00%           | 494.48                     | 502.30     | 502.44                  | 3.62       | 500.38     | 519.57    | 0.81  | 90       | 0.29         |
| 6                   | 5                   | 4      | 36"       | 36"      | 1.00%           | 494.48                     | 502.30     | 502.44                  | 3.62       | 500.38     | 519.57    | 0.81  | 90       | 0.29         |
| 5                   | 4                   | 3      | 36"       | 36"      | 1.00%           | 494.48                     | 502.30     | 502.44                  | 3.62       | 500.38     | 519.57    | 0.81  | 90       | 0.29         |
| 4                   | 3                   | 2      | 36"       | 36"      | 1.00%           | 494.48                     | 502.30     | 502.44                  | 3.62       | 500.38     | 519.57    | 0.81  | 90       | 0.29         |
| 3                   | 2                   | 1      | 36"       | 36"      | 1.00%           | 494.48                     | 502.30     | 502.44                  | 3.62       | 500.38     | 519.57    | 0.81  | 90       | 0.29         |
| 2                   | 1                   | 0      | 36"       | 36"      | 1.00%           | 494.48                     | 502.30     | 502.44                  | 3.62       | 500.38     | 519.57    | 0.81  | 90       | 0.29         |

Final Measurement Plat

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None or

THE STERLING COMPANY  
 GEORGE J. GOWER - Vice President  
 Mo. Reg. L.S. #2336

REMARKS/DATE

|   |          |  |
|---|----------|--|
| 1 | 9-06-01  | REVISIONS PER D.C.S.D.                     |
| 2 | 9-26-01  | D.C.S.D. & CITY COMMENTS                   |
| 3 | 10-05-01 | D.C.S.D. & CITY COMMENTS                   |
| 4 | 10-11-01 | FOR SANITARY & STORM SEWER APPROVAL        |
| 5 | 10-12-01 | REVISE LATERALS PER CITY & IN-HOUSE REVIEW |
| 6 | 10-26-01 | CITY COMMENTS                              |

PREPARED FOR:

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 (314) 487-0440 FAX 487-8944  
 E-Mail: Sterling@sterling-eng-survey.com

PROJECT: SPRING ORCHARD

SHEET TITLE: STORM SEWER PROFILES

NO. 01 01 008

M.S.D. P# N/A

SHEET 20 OF 29

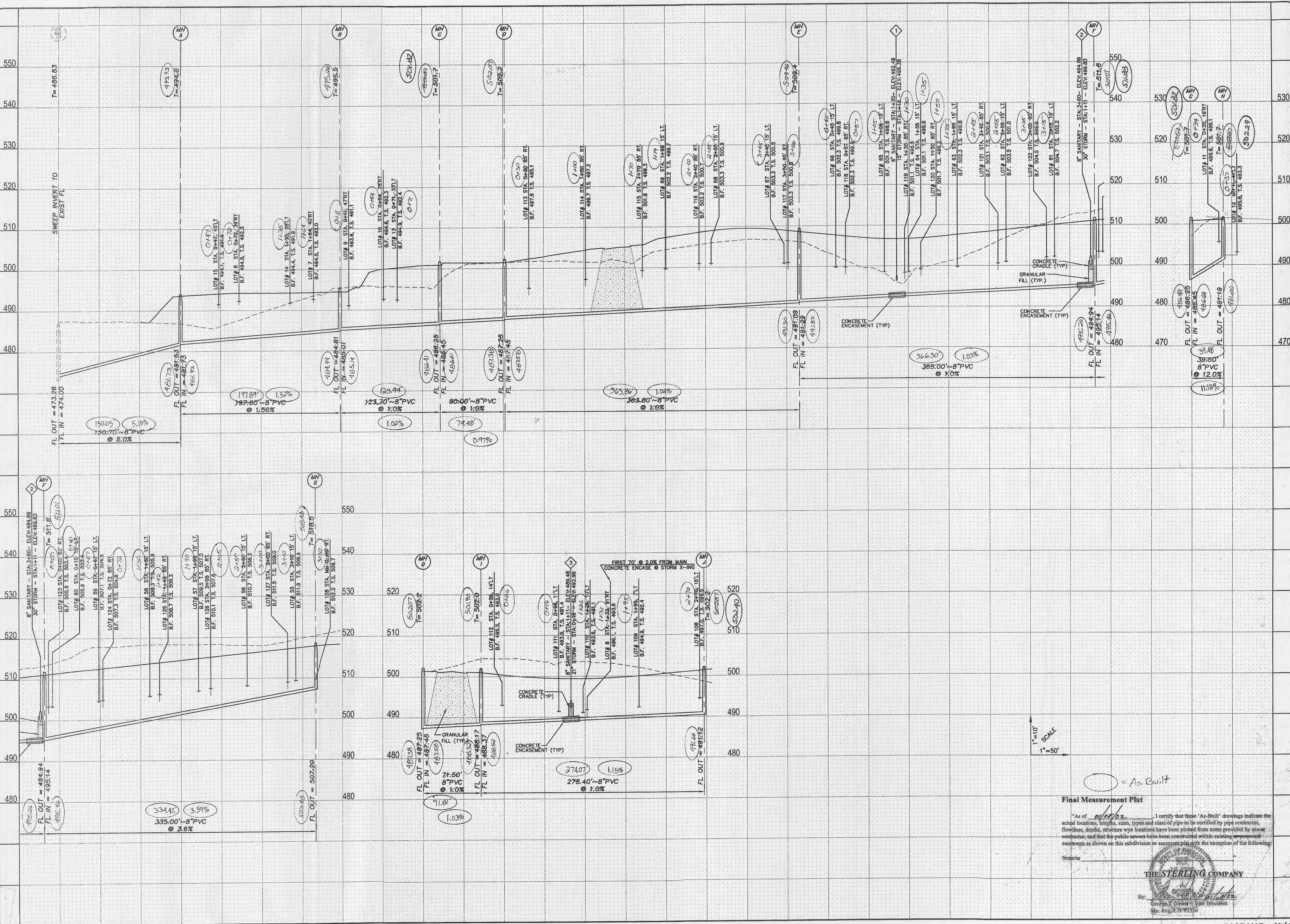
DATE: 10/26/01

SCALE: 1"=50'

THE UNDERGROUND UTILITIES SHOWN HEREON WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SAID UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 316, RSMo.

NOTE: PROVIDE #5 REBAR AT ALL INTERSECTIONS PER CITY REQUIREMENTS





Final Measurement Plat

"As of 10/24/2001 I certify that these 'As-Built' drawings indicate the actual locations, lengths, sizes, types and class of pipe to be certified by pipe contractor, flowlines, depths, structure wye locations have been plotted from notes provided by sewer contractor, and that the public sewers have been constructed within existing easement encasements as shown on this subdivision or easement plat with the exception of the following:

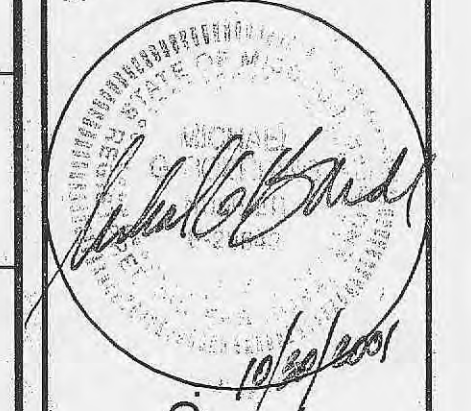
None/for

THE STERLING COMPANY

By: George J. Cowan Vice President  
Mo. Reg. 1-5193226

| ISSUE | REMARKS/DATE                            |
|-------|---|
| 1     | 9-06-01 FIRST SUBMITTAL                 |
| 2     | 9-26-01 REVISIONS PER D.C.S.D.          |
| 3     | 10-05-01 D.C.S.D. & CITY COMMENTS       |
| 4     | 10-10-01 REV/SAN LINE D.J. PER D.C.S.D. |
| 5     | 10-20-01 REV/SEWER LATERALS PER CITY    |
| 6     | 10-26-01 CITY COMMENTS                  |

PREPARED FOR:  
**N & K HIGHWAYS, L.L.C.**  
5091 NEW BAUMGARTNER ROAD  
ST. LOUIS, MISSOURI 63129  
(314) 487-6717



THE **STERLING** CO.  
ENGINEERS & SURVEYORS  
5055 NEW BAUMGARTNER ROAD  
ST. LOUIS, MISSOURI 63129  
(314)-487-0440 FAX 487-8844  
E-Mail: Sterling@sterling-eng-sur.com

DRAWN: \_\_\_\_\_  
DESIGNED: \_\_\_\_\_  
CHECKED: \_\_\_\_\_

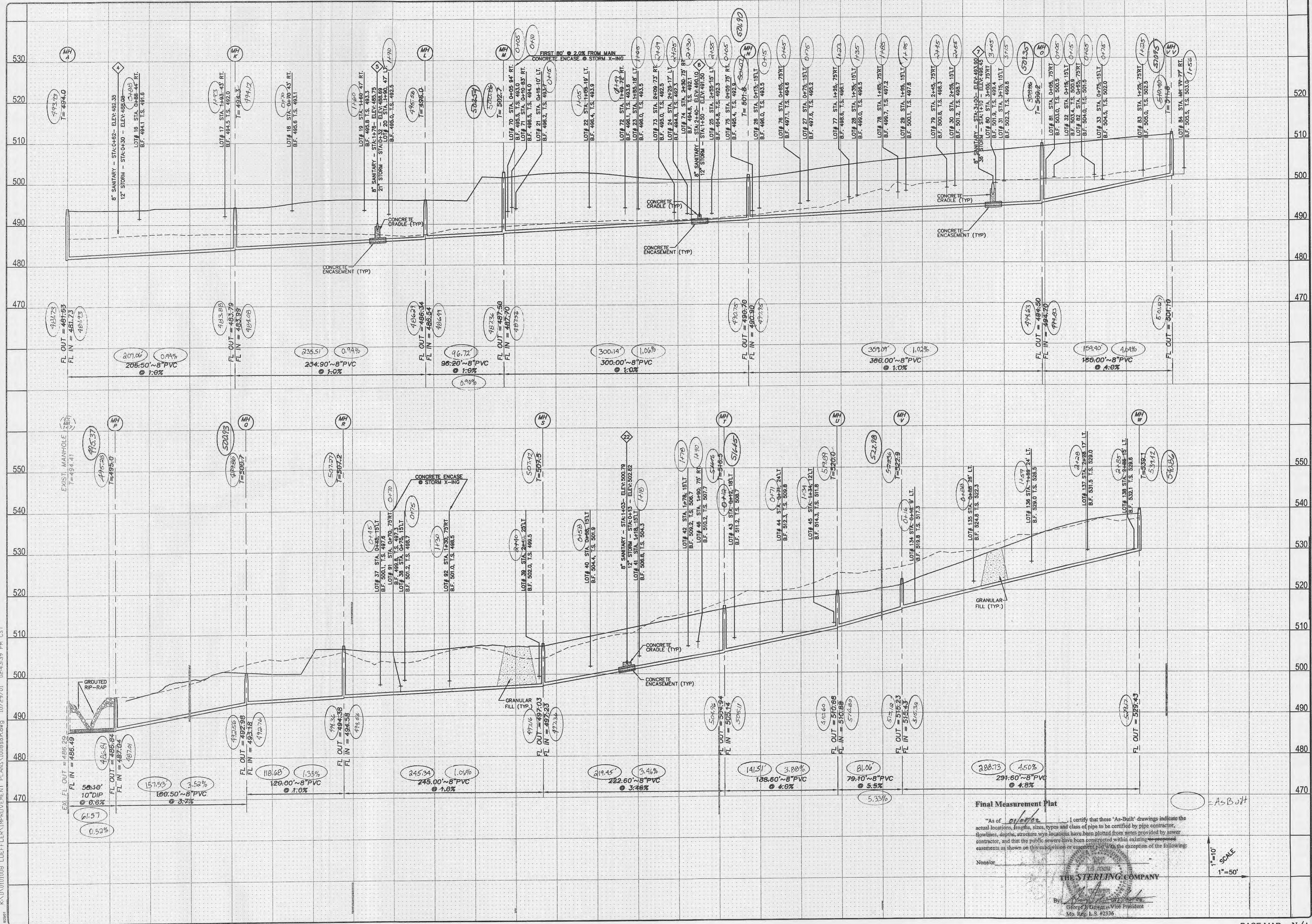
PROJECT: **SPRING ORCHARD**  
SHEET TITLE: **SANITARY SEWER PROFILES**

|               |  |
|---------------|--|
| NO. 01 01 008 | SHEET 14 OF 29                                   |
| M.S.D. P# N/A | DIGITAL FILE LOCATION: E:\PROJECTS\1008\1008.dwg |

BASE MAP N/A



K:\D\01008 LDEFFLX IMPROVEMENT PLANS\008snp.dwg 10/29/01 02:43:39 PM CST



**Final Measurement Plat**

"As of 01/08/02, I certify that these 'As-Built' drawings indicate the actual locations, lengths, sizes, types and class of pipe to be certified by pipe contractor, flowlines, depths, structure wye locations have been plotted from notes provided by sewer contractor, and that the public sewers have been constructed within existing easements as shown on this subdivision or easement plat with the exception of the following:

None/or

THE STERLING COMPANY  
 By: George W. Gowan Vice President  
 Mo. Reg. L.S. #2356

1"=10'  
 1"=50'  
 SCALE

A-B with

ISSUE REMARKS/DATE

|   |          |                                |
|---|----------|--------------------------------|
| 1 | 9-06-01  | FIRST SUBMITTAL                |
| 2 | 9-28-01  | REVISIONS PER D.C.S.D.         |
| 3 | 10-05-01 | D.C.S.D. & CITY COMMENTS       |
| 4 | 10-10-01 | REV SAN LINE D.J. PER D.C.S.D. |
| 5 | 10-12-01 | REVSE LATERALS PER CITY        |
| 6 | 10-28-01 | CITY COMMENTS                  |

PREPARED FOR:  
**N & K HIGHWAYS, L.L.C.**  
 5091 NEW BAUMGARTNER ROAD  
 ST. LOUIS, MISSOURI 63129  
 (314) 487-6717

PREPARED BY:  
**THE STERLING CO.**  
 ENGINEERS & SURVEYORS  
 5055 NEW BAUMGARTNER ROAD  
 ST. LOUIS, MISSOURI 63129  
 (314)-487-0440 FAX 487-6944  
 E-Mail: Sterling@sterling-eng-survey.com

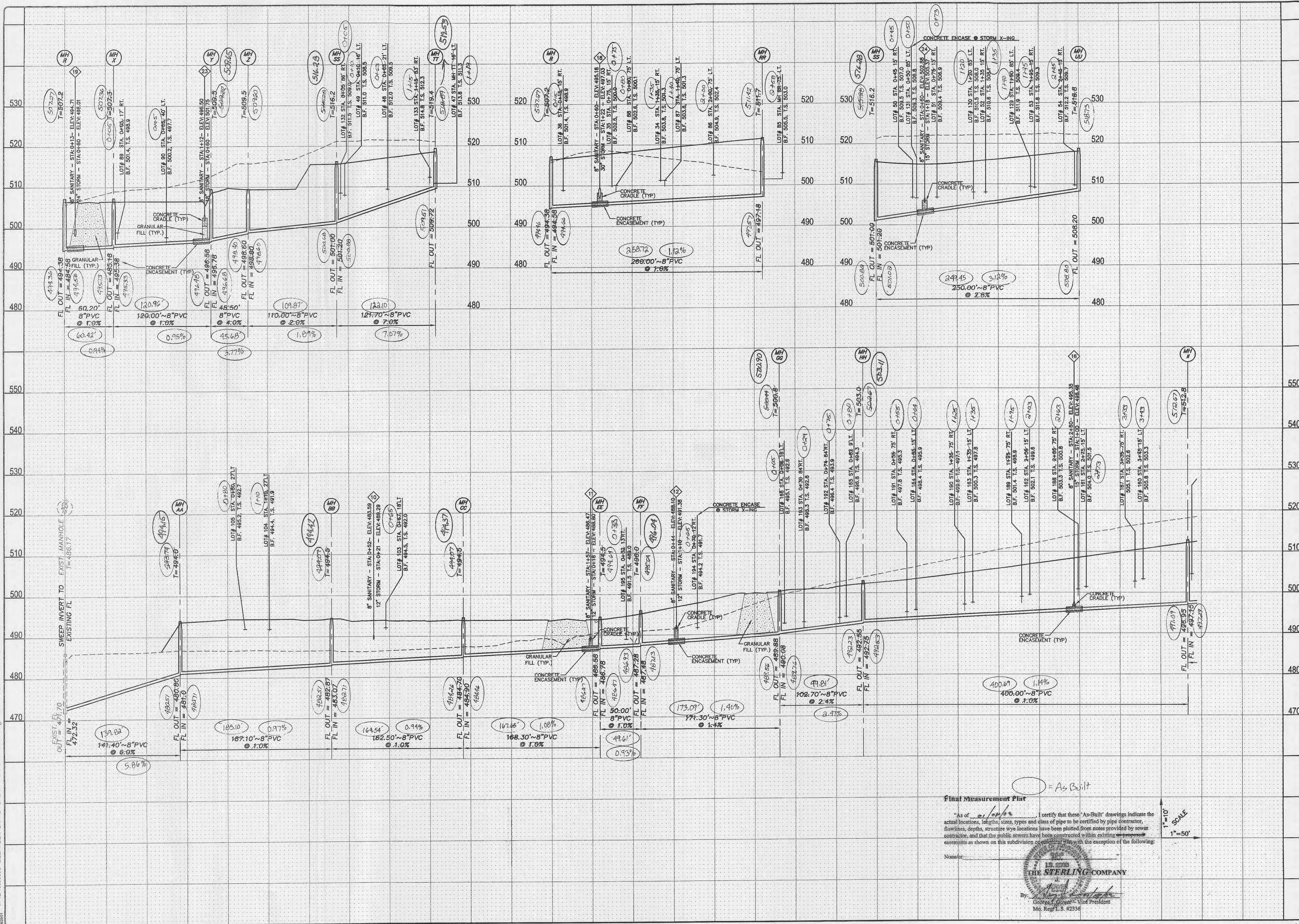
PROJECT: **SPRING ORCHARD**

SHEET TITLE: **SANITARY SEWER PROFILES**

|        |           |          |
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| DRAWN: | DESIGNED: | CHECKED: |
|        |           |          |

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| No.                   | 01 | 008   |
| M.S.D.                |    | SHEET |
| P# N/A                | 15 |       |
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| DATE: 10/29/01        |    |       |

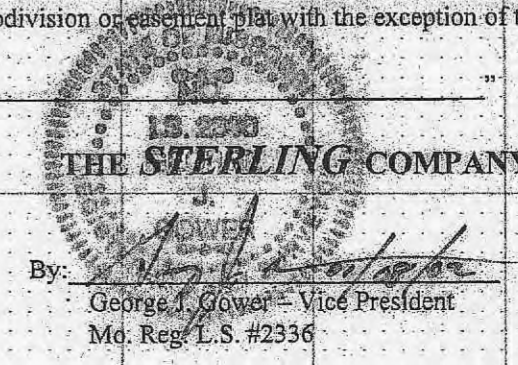




Final Measurement Plat

"As of 12/10/01" I certify that these "As-Built" drawings indicate the actual locations, lengths, sizes, types and class of pipe to be certified by pipe contractor. Flowlines, depths, structure wye locations have been plotted from notes provided by sewer contractor, and that the public sewers have been constructed within existing easements as shown on this subdivision of general plat with the exception of the following:

None for:



1" = 10'  
1" = 50'  
SCALE

ISSUE REMARKS/DATE

|   |          |                              |
|---|----------|------------------------------|
| 1 | 9-06-01  | FIRST SUBMITTAL              |
| 2 | 9-28-01  | REVISION PER D.C.S.D.        |
| 3 | 10-05-01 | D.C.S.D. & CITY COMMENTS     |
| 4 | 10-10-01 | REV SAN LINE DJ PER D.C.S.D. |
| 5 | 10-12-01 | REVISE LATERALS PER CITY     |
| 6 | 10-26-01 | CITY COMMENTS                |

PREPARED FOR:  
**N & K HIGHWAYS, L.L.C.**  
5091 NEW BAUMGARTNER ROAD  
ST. LOUIS, MISSOURI 63129  
(314) 487-6717

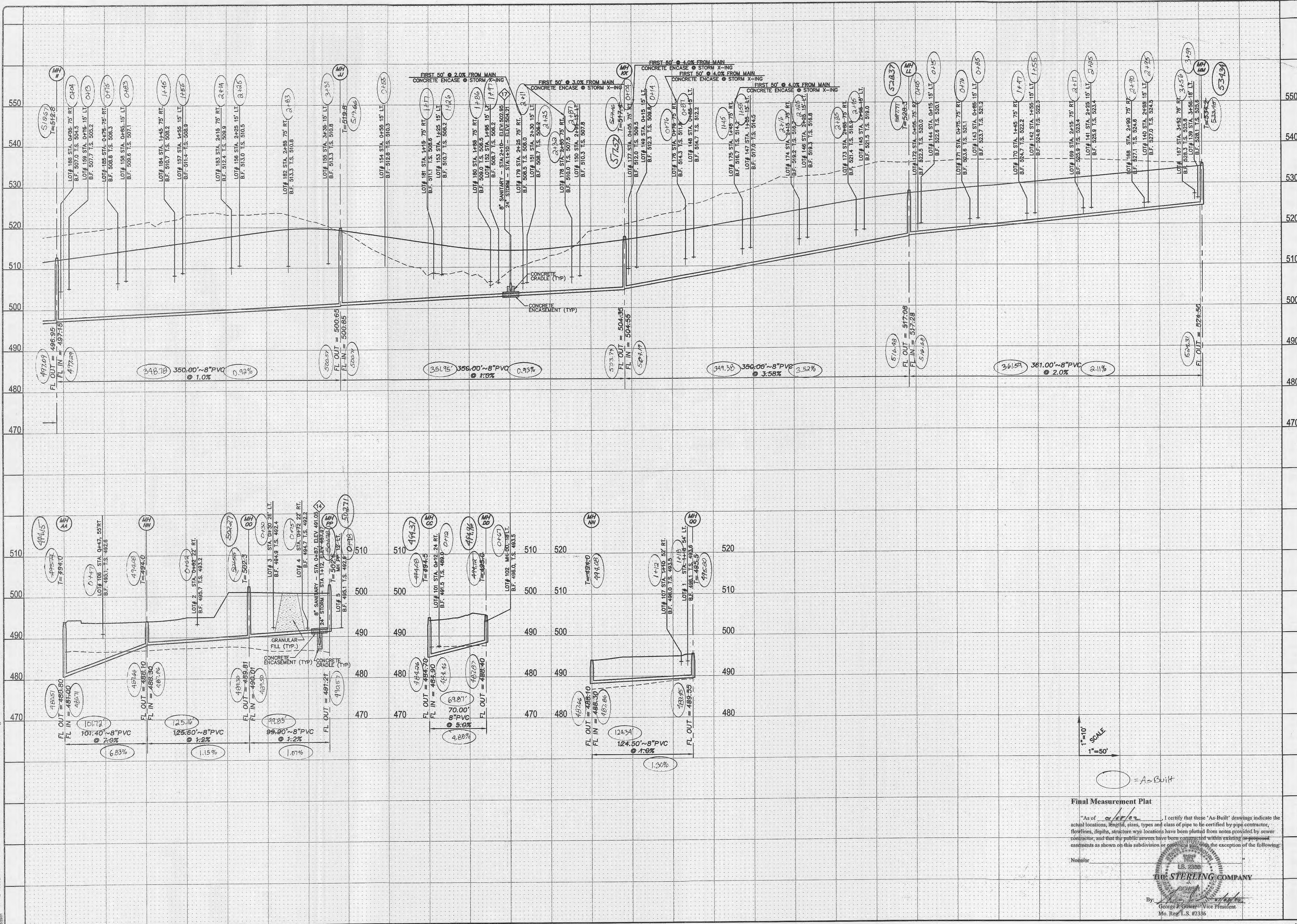
THE **STERLING** CO.  
ENGINEERS & SURVEYORS  
5055 NEW BAUMGARTNER ROAD  
ST. LOUIS, MISSOURI 63114  
E-Mail: Sterling@sterling-eng-sur.com

PROJECT: **SPRING ORCHARD**

SHEET TITLE: **SANITARY SEWER PROFILES**

|                       |                   |     |       |
|-----------------------|-------------------|-----|-------|
| NO.                   | 01                | 01  | 008   |
| M.S.D.                | P#                | N/A | SHEET |
|                       |                   |     | 16    |
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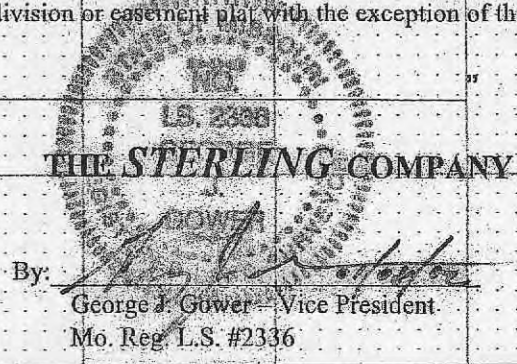




**Final Measurement Plat**

"As of 12/12/01, I certify that these "As-Built" drawings indicate the actual locations, lengths, sizes, types and class of pipe to be certified by pipe contractor, flowlines, depths, structure wye locations have been plotted from notes provided by sewer contractor, and that the public sewers have been constructed within existing easements as shown on this subdivision or easement plat, with the exception of the following:

None



By: George J. Gower Vice President  
 Mo. Reg. 1.S. #2336

| ISSUE | REVISIONS/DATE                                  |
|-------|---|
| 1     | 9-26-01 REVISIONS PER D.C.S.D.                  |
| 2     | 10-05-01 REVISED CITY COMMENTS                  |
| 3     | 10-10-01 REVISED SANITARY LINE D-I PER D.C.S.D. |
| 4     | 10-12-01 REVISE LATERALS PER CITY               |
| 5     | 10-26-01 CITY COMMENTS                          |
| 6     | 10-26-01 CITY COMMENTS                          |

PREPARED FOR:  
**THE STERLING CO.**  
 ENGINEERS & SURVEYORS  
 5055 NEW BAUMGARTNER ROAD  
 ST. LOUIS, MISSOURI 63129  
 (314)-487-0440 FAX 487-6844  
 E-Mail: Sterling@sterling-eng-survey.com

PROJECT:  
**SPRING ORCHARD**  
 SANITARY SEWER PROFILES

|        |           |          |
|--------|-----------|----------|
| DRAWN: | DESIGNED: | CHECKED: |
|        |           |          |

|                       |    |     |       |
|-----------------------|----|-----|-------|
| No.                   | 01 | 01  | 008   |
| M.S.D.                | P# | N/A | SHEET |
| DIGITAL FILE LOCATION |    |     | 17    |
| Mo. Reg. 1.S. #2336   |    |     | 29    |



