# MAIN ORCHARD

## Lots 1 Thru 6 MASTER DRAINAGE PLAN

Part of the NE 1/4 Section 6, Township 47 North, Range 31 West LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

#### **CONSTRUCTION AND DESIGN NOTES:**

1. SANITARY SEWER PIPE SHALL BE POLY VINYL CHLORIDE (PVC), SDR-26, UNLESS NOTED OTHERWISE IN THESE

2. HOUSE SEWER LATERALS SHALL BE 4 INCH PVC, SDR-26. LATERALS SHALL BE CONSTRUCTED USING A TOP ORIENTED "WYE" AT THE SEWER STATION SHOWN IN THESE PLANS. LATERALS SHALL BE LAID AT A GRADE OF 2.0% FROM THE SEWER MAIN TO THE STREET RIGHT-OF-WAY LINE OR EASEMENT LINE AS REPRESENTED BY THE PLANS IS APPROXIMATE. THE ACTUAL ELEVATION SHALL BE DETERMINED BY THE FLOW LINE ELEVATION OF THE SEWER MAIN, THE FITTINGS AND GRADE OF THE SEWER LATERAL

3. THE CONTRACTOR SHALL MAINTAIN A LOG OF THE "AS BUILT" STATION AND LENGTH OF EACH HOUSE LATERAL AND SHALL PROVIDE ENGINEERING SOLUTIONS, L.L.C. WITH A COPY OF SAID LOG UPON COMPLETION OF SEWER

4. ALL MANHOLES INSTALLED IN THE STREET RIGHT-OF-WAY SHALL BE FINISHED 1/2" PER FOOT ABOVE THE NEAREST ADJACENT BACK OF CURB

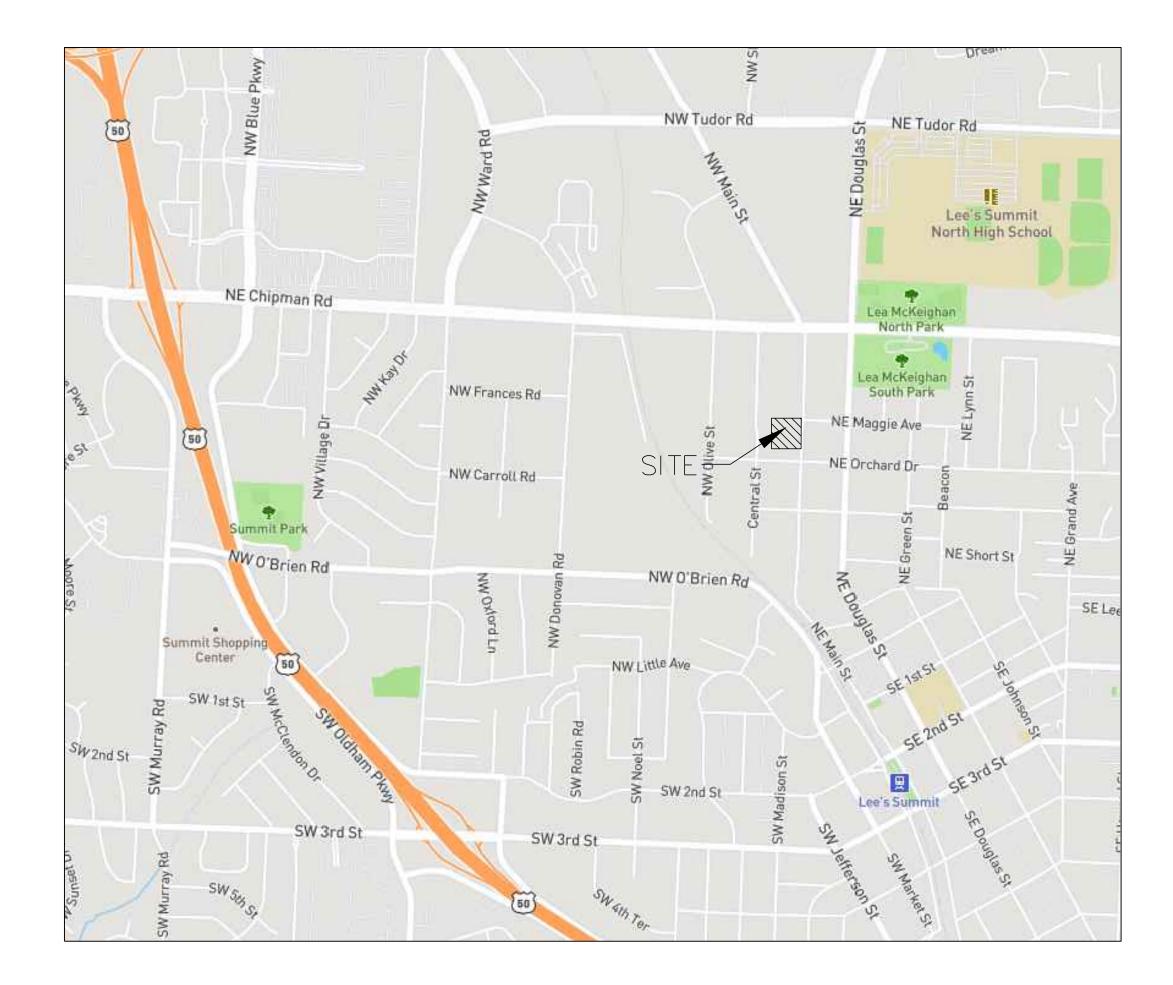
5. A STAKE SHALL BE PLACED AT THE END OF EACH WYE CONNECTION WITH THE END ELEVATION WRITTEN ON THE

6. FILL AREAS SHALL HAVE 3 FEET OF COMPACTED FILL IN PLACE PRIOR TO TRENCHING

7. A TRENCH CHECK CONSISTING OF FLOWABLE FILL MUST BE INSTALLED ON EVERY PRIVATE LATERAL

#### **GENERAL NOTE:**

1 ~ ALL CONSTRUCTION SHALL CONFORM TO THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL AS ADOPTED BY ORDINANCE 5813. 2 ~ TRENCH CHECKS SHALL BE INSTALL AT ALL SANITARY WYES LOCATION.



#### INDEX OF SHEETS:

C.001 ~ COVER SHEET

C.050 ~ ESC PHASE 1 - Pre Clearing Plan

C.051 ~ ESC PHASE 2 - Inactive Area Stabilization Plan

C.052 ~ ESC PHASE 3 - Final Restoration Plan

C.053 ~ ESC - Standard Details

C.100 ~ SITE PLAN

C.200 ~ MASTER DRAINAGE PLAN SHEET 1 OF 3 GRADING PLAN

C.201 ~ MASTER DRAINAGE PLAN SHEET 2 OF 3 SPOT ELEVATIONS

C.202 ~ MASTER DRAINAGE PLAN SHEET 3 OF 3 DRAINAGE AREA MAP

#### **UTILITY COMPANIES:**

THE FOLLOWING LIST OF UTILITY COMPANIES IS PROVIDED FOR INFORMATION ONLY. WE DO NOT OFFER ANY GUARANTEE OR WARRANTY THAT THIS LIST IS COMPLETE OR ACCURATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES THAT MAY BE AFFECTED BY THE PROPOSED CONSTRUCTION AND VERIFYING THE ACTUAL LOCATION OF EACH UTILITY LINE. THE CONTRACTOR SHALL NOTIFY ENGINEERING SOLUTIONS AT 816.623.9888 OF ANY CONFLICT WITH PROPOSED IMPROVEMENTS. KCP&L ~ 298-1196

SPIRE ~ 969-2200

SOUTHWESTERN BELL TELEPHONE ~ 761-5011

COMCAST CABLE ~ 795-1100 CITY OF LEE'S SUMMIT PUBLIC WORKS ~ 969-1800

CITY OF LEE'S SUMMIT DEVELOPMENT ENGINEERING INSPECTION AT 816,969,1200

CITY OF LEE'S SUMMIT WATER UTILITIES ~ 969-1900

MISSOURI ONE CALL (DIG RITE) ~ 1-800-344-7483

- BUILDING SET-BACK

LANDSCAPE EASEMENT

- RIGHT OF WAY

- SANITARY SEWER LINE

STORM SEWER LINE

### **ENGINEER'S CERTIFICATION:**

I HEREBY CERTIFY THAT THIS PROJECT HAS BEEN DESIGNED AND THESE PLANS PREPARED IN ACCORDANCE WITH THE CURRENT DESIGN CRITERIA OF THE CITY OF LEE'S SUMMIT, MISSOURI AND THE STATE OF MISSOURI. I FURTHER CERTIFY THAT THESE PLANS WERE DESIGNED IN ACCORDANCE TO AASHTO STANDARDS.

#### CITY OF LEE'S SUMMIT, MISSOURI

APPROVED:

CITY ENGINEER

Engineering 2005002186-D Surveying 2005008319-D Engineering E-1695

Surveying LS-218 Oklahoma Engineering 6254 Nebraska

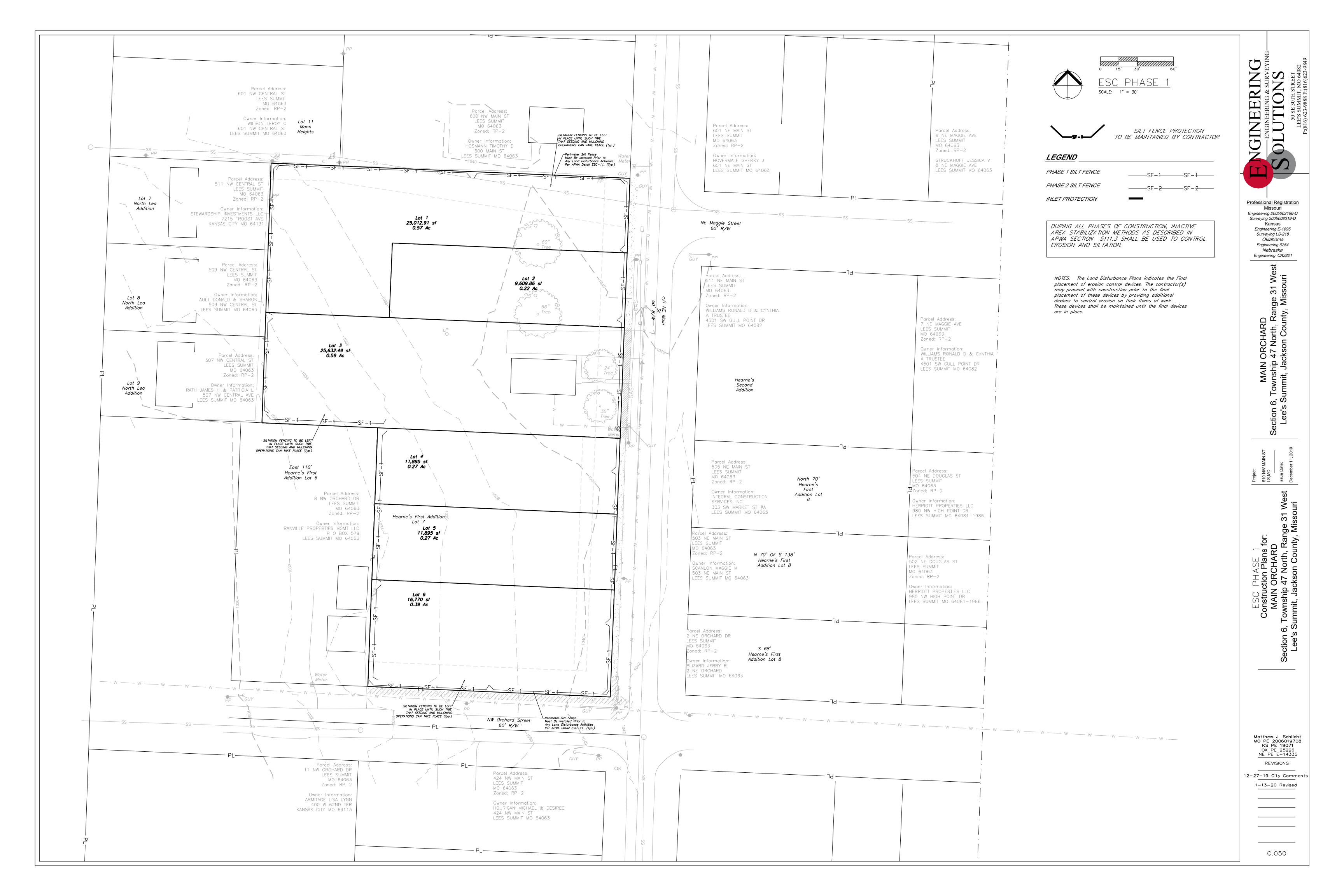
Engineering CA2821

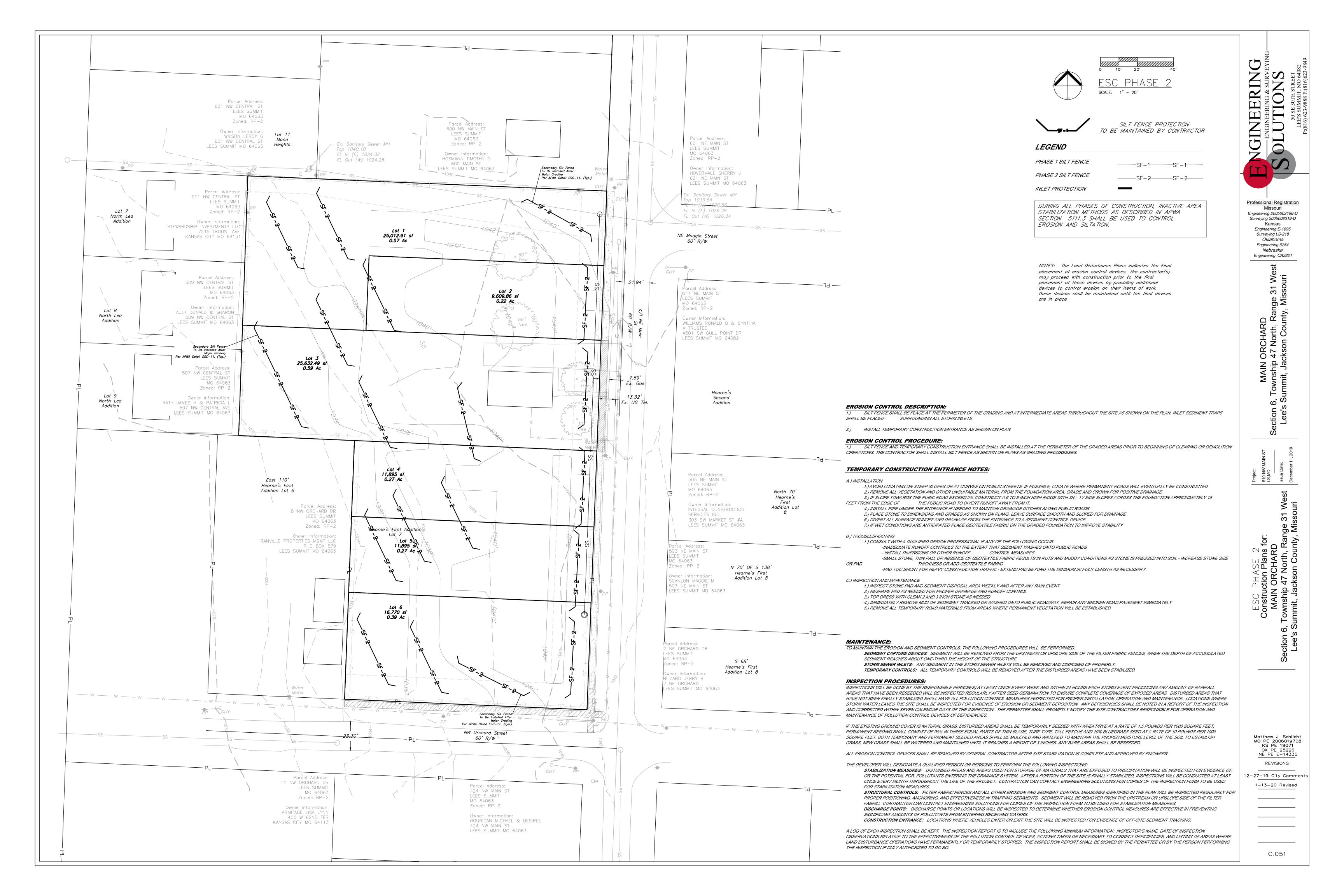
Matthew J. Schlicht MO PE 2006019708 KS PE 19071

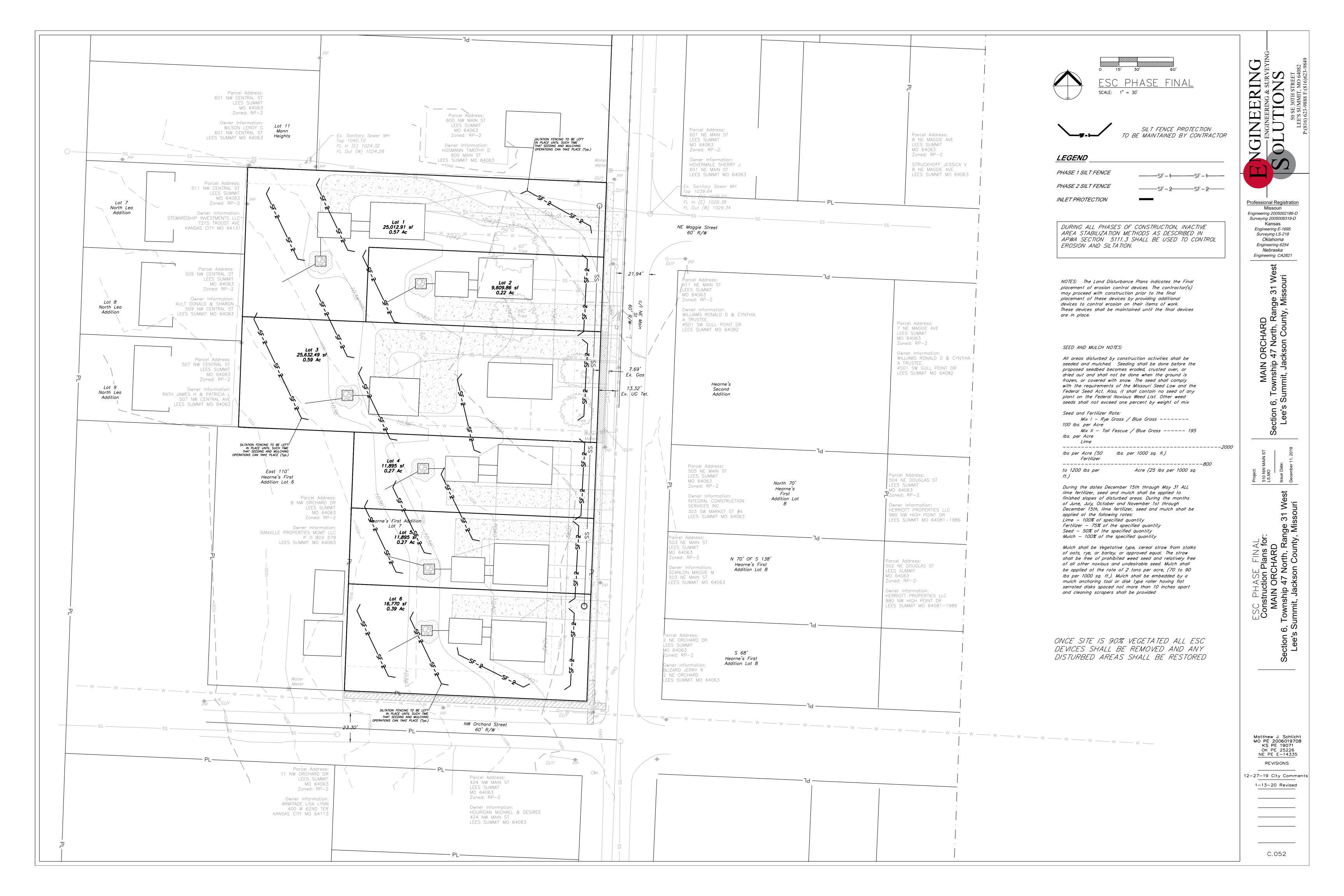
REVISIONS

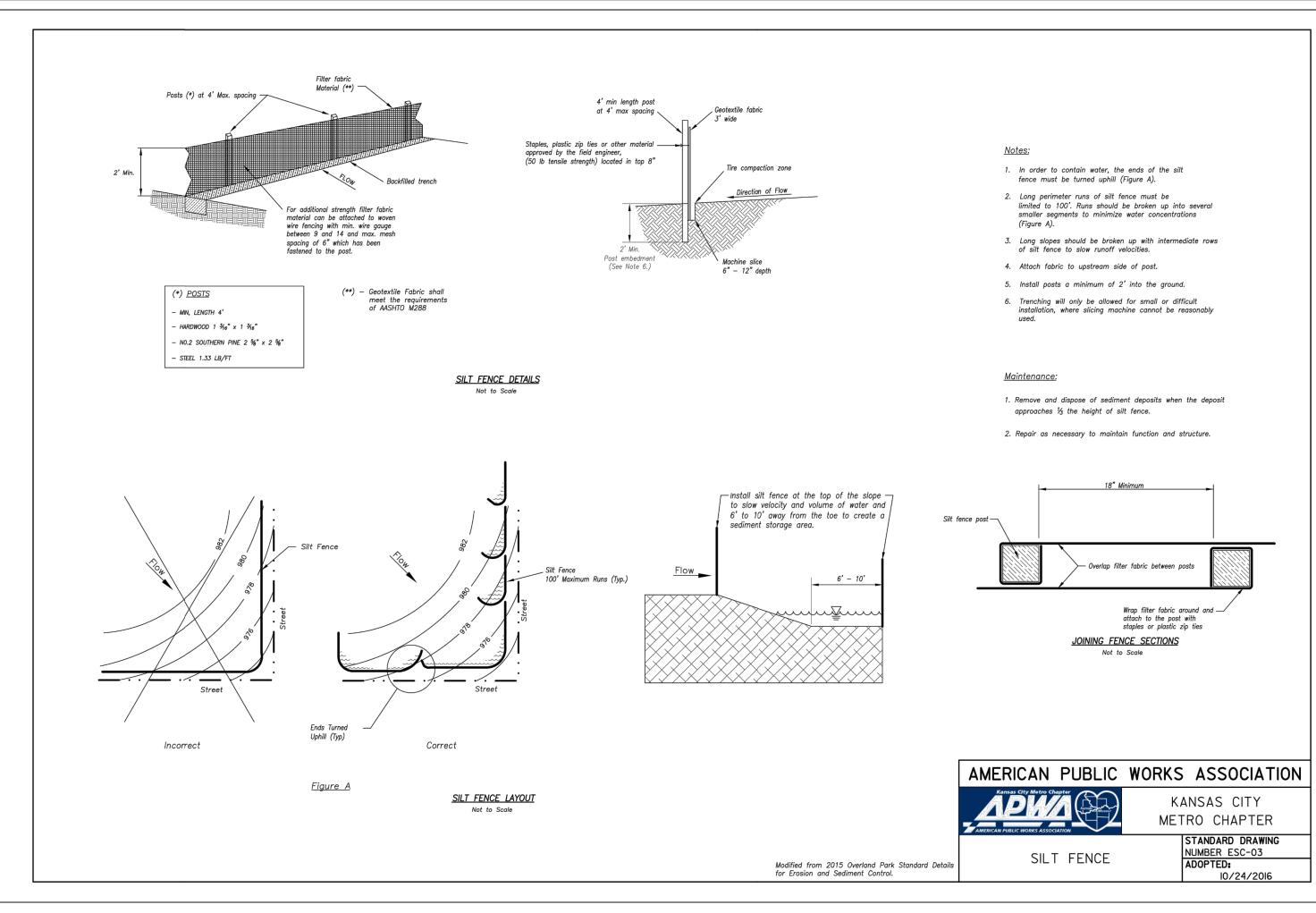
12-27-19 City Comments 1-13-20 Revised

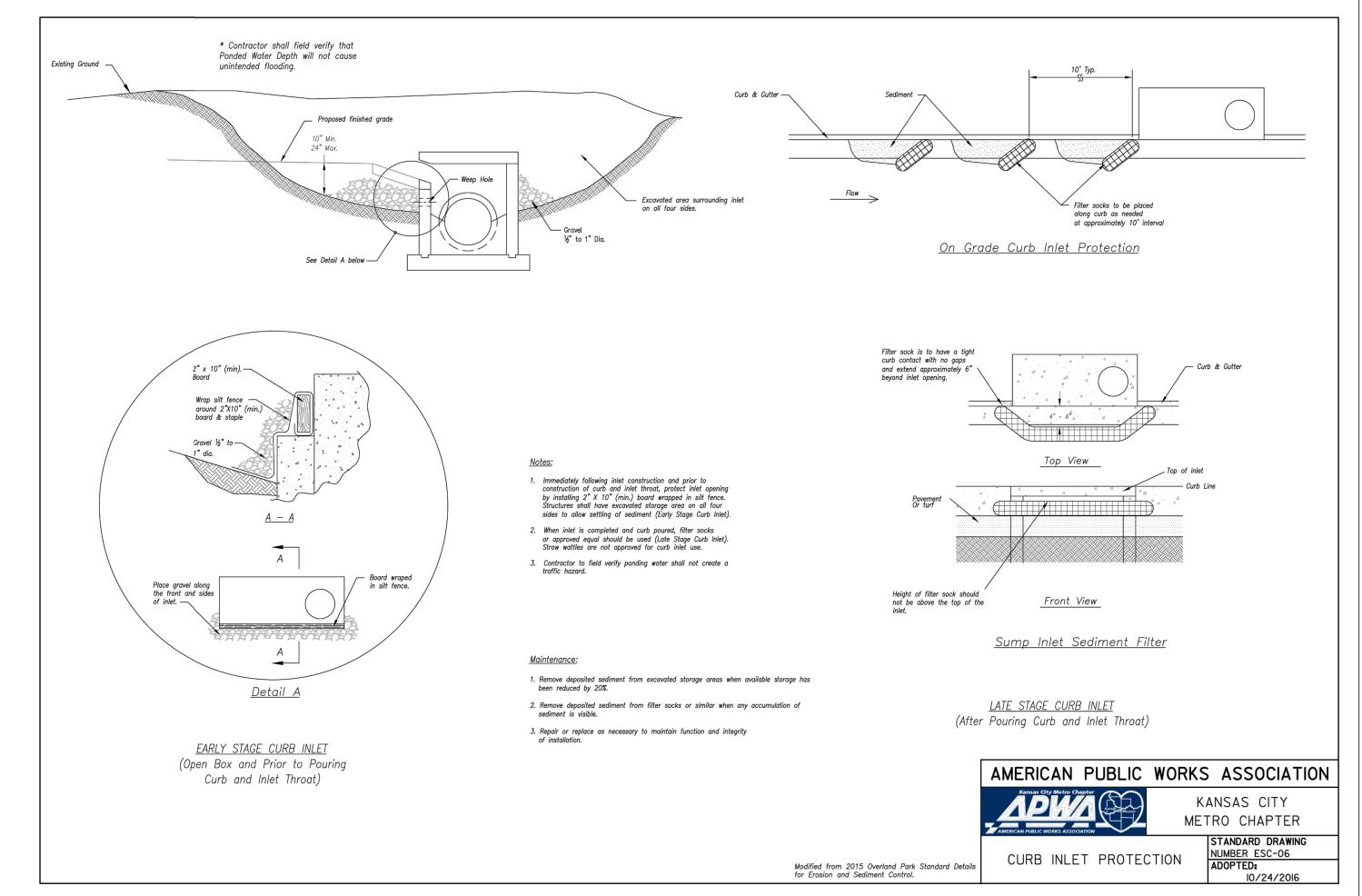
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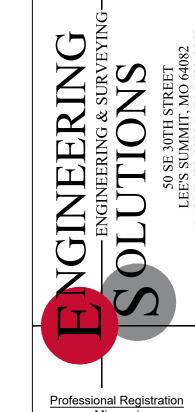












Professional Registration
Missouri
Engineering 2005002186-D

Surveying 2005002186-D
Surveying 2005008319-D
Kansas
Engineering E-1695
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

tion 6, Township 47 North, Range 31 West ee's Summit, Jackson County, Missouri

Project: 510 NW MAIN ST LS,MO

Construction Plans for:

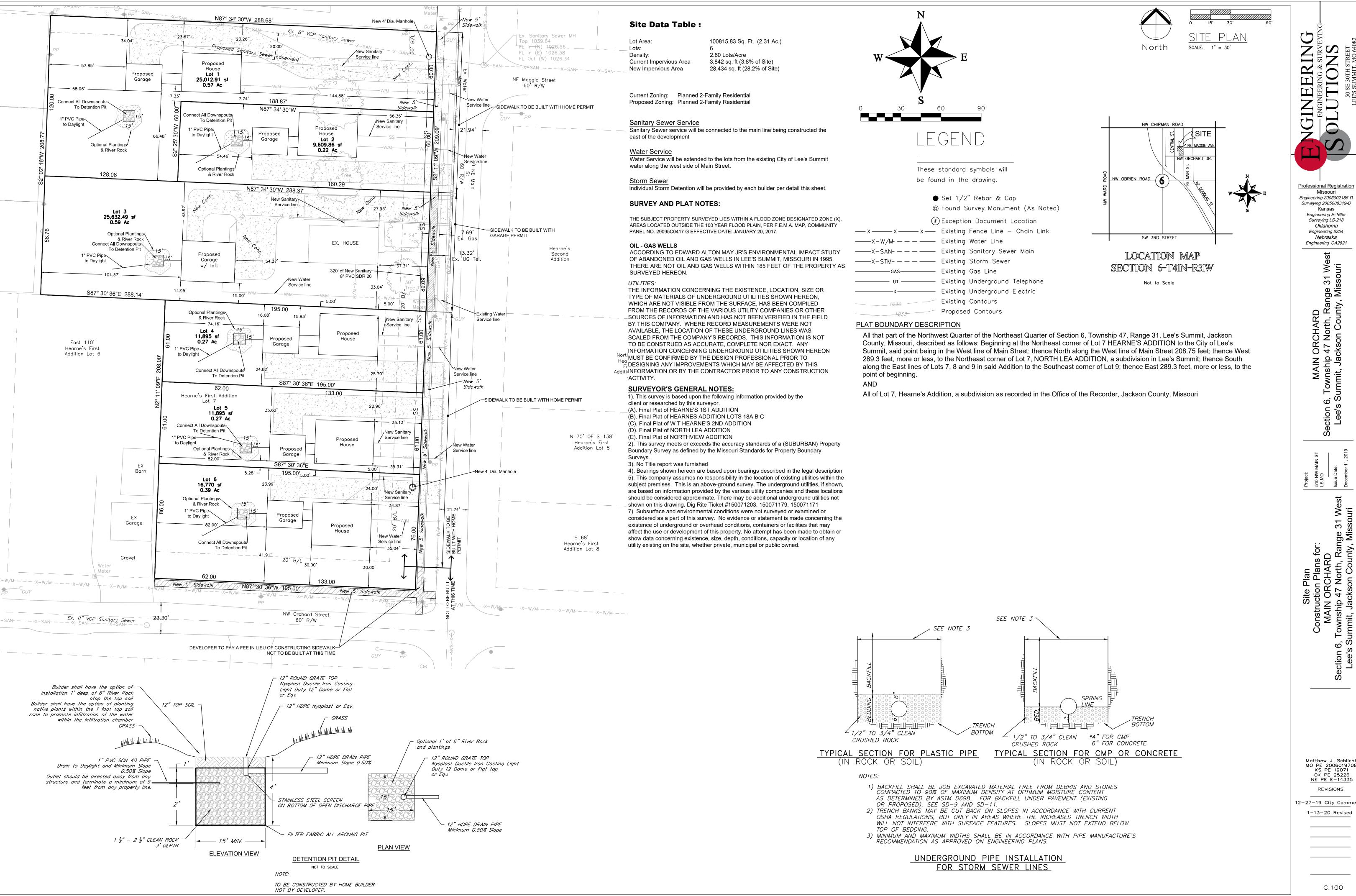
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Matthew J. Schlicht MO PE 2006019708 KS PE 19071 OK PE 25226 NE PE E-14335

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12-27-19 City Comments

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Surveying 2005008319-D Kansas Engineering E-1695 Surveying LS-218 Oklahoma Engineering 6254 Nebraska Engineering CA2821 ORCHARE 47 North, I ckson Cour

Motthew J. Schlicht MO PE 2006019708 KS PE 19071 OK PE 25226 NE PE E-14335

REVISIONS 12-27-19 City Comments

1-13-20 Revised

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