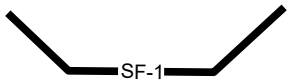


PRE CLEARING PLAN  
SCALE: 1" = 60'

NOTES: The Land Disturbance Plans indicates the Final placement of erosion control devices. The contractor(s) may proceed with construction prior to the final placement of these devices by providing additional devices to control erosion on their items of work. These devices shall be maintained until the final devices are in place.

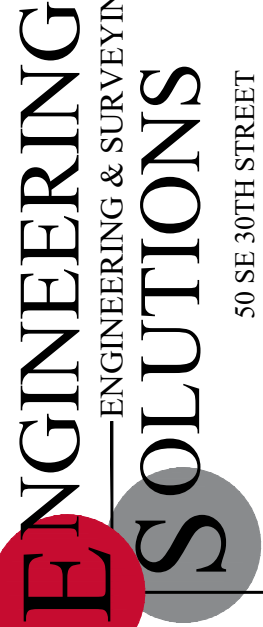


SILT FENCE PROTECTION  
TO BE MAINTAINED BY CONTRACTOR

LEGEND

|                    |          |          |
|--------------------|----------|----------|
| PHASE 1 SILT FENCE | — SF-1 — | — SF-1 — |
| PHASE 2 SILT FENCE | — SF-2 — | — SF-2 — |
| INLET PROTECTION   | —        |          |

DURING ALL PHASES OF CONSTRUCTION, INACTIVE AREA STABILIZATION METHODS AS DESCRIBED IN APWA SECTION 5111.3 SHALL BE USED TO CONTROL EROSION AND SILTATION.



Professional Registration  
Missouri  
Engineering 2005002188-D  
Surveying 200500019-D  
Kansas  
Engineering E-1895  
Surveying LS-219  
Oklahoma  
Engineering 6254  
Nebraska  
Engineering CA2821

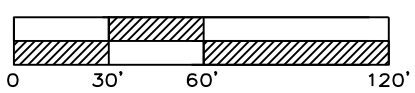
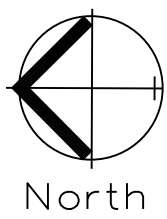
The Reserve at Stoney Creek - 4th Plat  
Lee's Summit, Jackson County, Missouri

Project: RESERVE  
AT STONEY  
CREEK 4TH PLAT  
Issued:  
October, 2018

ESC PHASE 1 - Pre Clearing Plan  
Construction Plans for:  
The Reserve at Stoney Creek - 4th Plat  
Lee's Summit, Jackson County, Missouri

Matthew J. Schlicht  
MO PE 2006019708  
KS PE 19071  
OK PE 25526

| REVISIONS    |
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| REV. 6/26/19 |
| REV. 7/11/19 |
| REV. 7/31/19 |



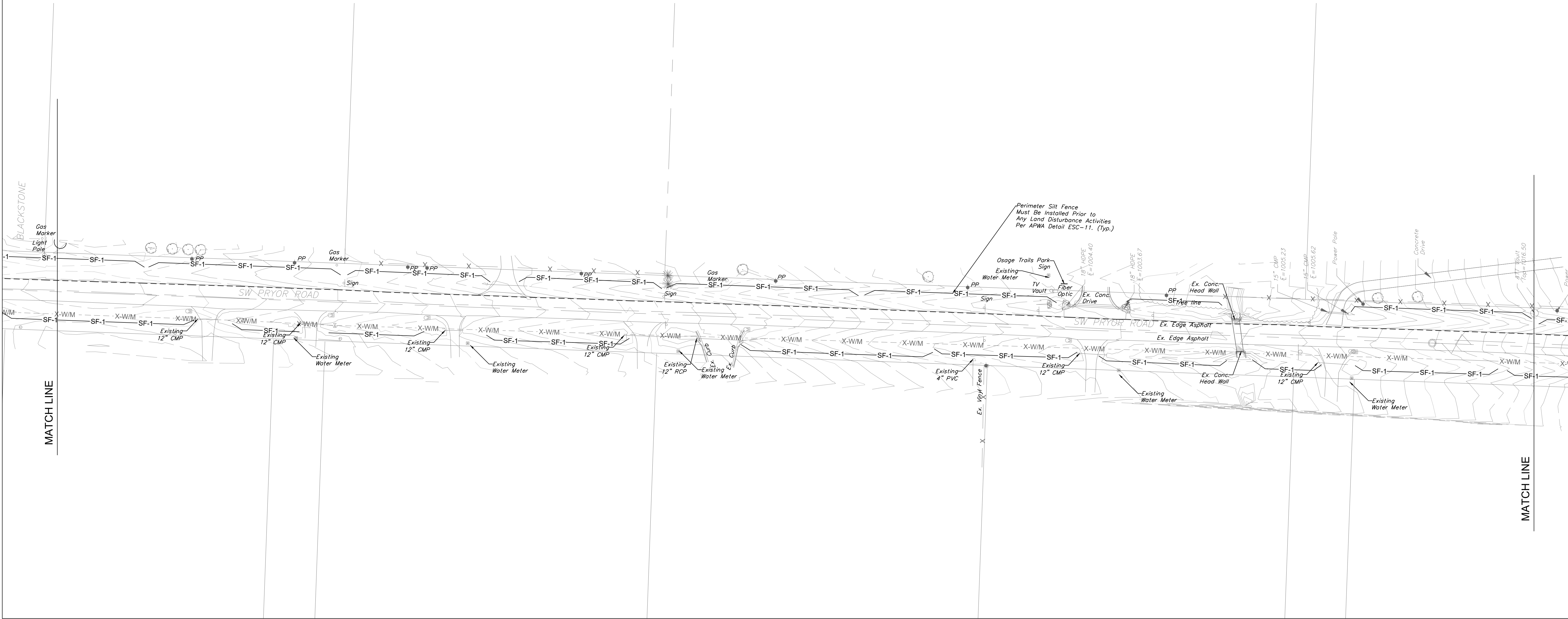
PRE CLEARING PLAN  
SCALE: 1" = 60'

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SILT FENCE PROTECTION  
TO BE MAINTAINED BY CONTRACTOR

| LEGEND             |                 |
|--------------------|-----------------|
| PHASE 1 SILT FENCE | — SF-1 — SF-1 — |
| PHASE 2 SILT FENCE | — SF-2 — SF-2 — |
| INLET PROTECTION   | —               |

DURING ALL PHASES OF CONSTRUCTION, INACTIVE AREA STABILIZATION METHODS AS DESCRIBED IN APWA SECTION 5111.3 SHALL BE USED TO CONTROL EROSION AND SILTATION.



The Reserve at Stoney Creek - 4th Plat  
Lee's Summit, Jackson County, Missouri

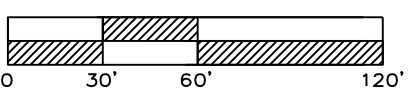
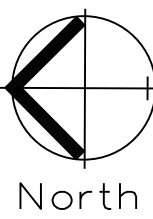
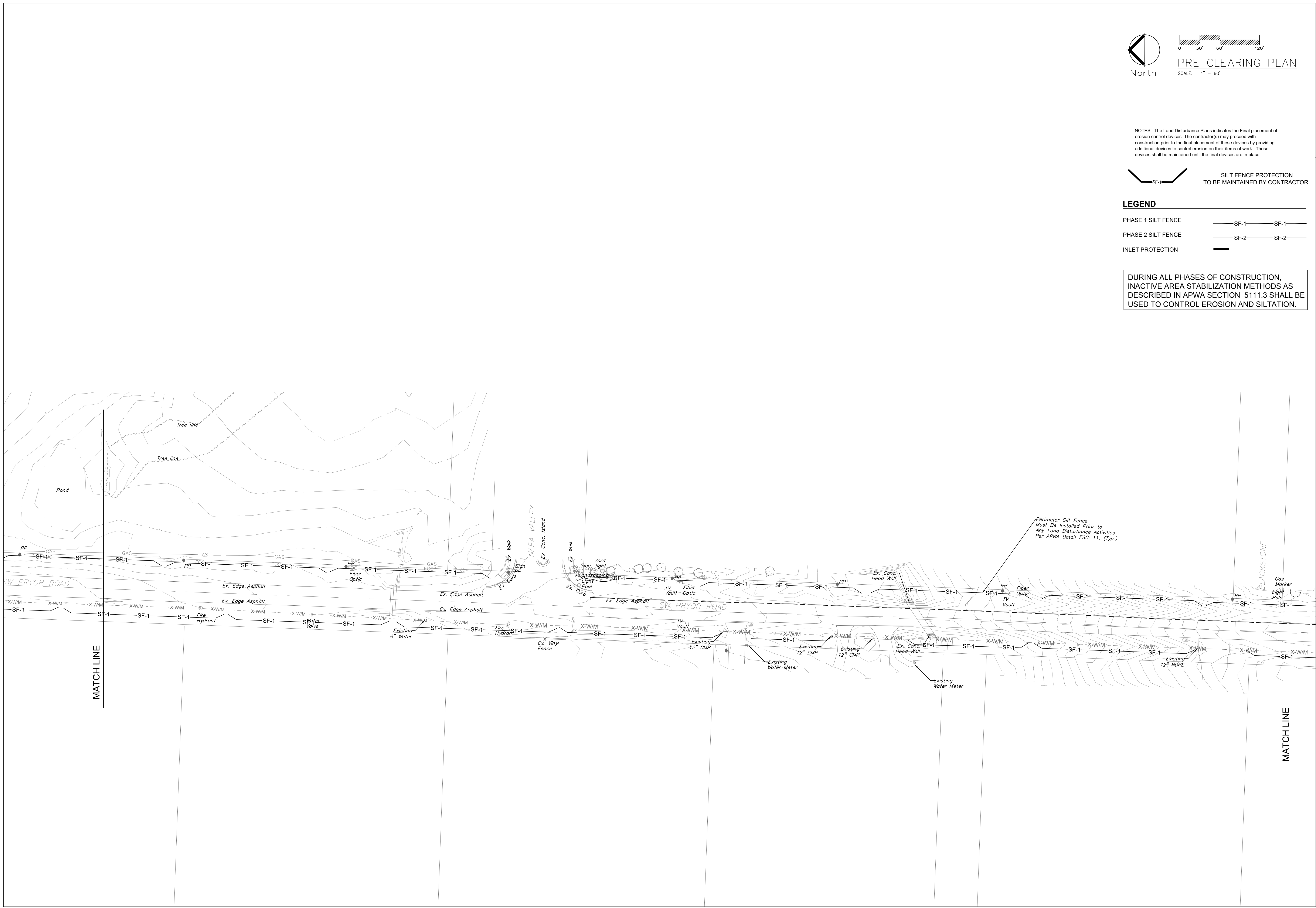
Project: RESERVE AT STONEY CREEK 4TH PLAT  
Issue: 1  
Date: October 2018

ESC PHASE 1 - Pre Clearing Plan  
Construction Plans for:  
The Reserve at Stoney Creek - 4th Plat  
Lee's Summit, Jackson County, Missouri

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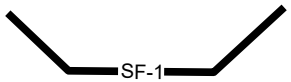
| REVISIONS |              |
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| △         | REV. 6/26/19 |
| △         | REV. 7/11/19 |
| △         | REV. 7/31/19 |

C.050B



PRE-CLEARING PLAN  
SCALE: 1" = 60'

NOTES: The Land Disturbance Plans indicates the Final placement of erosion control devices. The contractor(s) may proceed with construction prior to the final placement of these devices by providing additional devices to control erosion on their items of work. These devices shall be maintained until the final devices are in place.

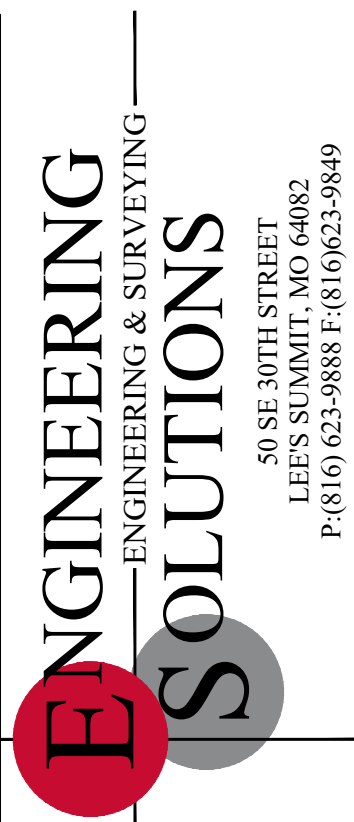


SILT FENCE PROTECTION  
TO BE MAINTAINED BY CONTRACTOR

LEGEND

|                    |                    |
|--------------------|--------------------|
| PHASE 1 SILT FENCE | —— SF-1 —— SF-1 —— |
| PHASE 2 SILT FENCE | —— SF-2 —— SF-2 —— |
| INLET PROTECTION   | ——                 |

DURING ALL PHASES OF CONSTRUCTION, INACTIVE AREA STABILIZATION METHODS AS DESCRIBED IN APWA SECTION 5111.3 SHALL BE USED TO CONTROL EROSION AND SILTATION.



Professional Registration  
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Kansas  
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Nebraska  
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The Reserve at Stoney Creek - 4th Plat  
Lee's Summit, Jackson County, Missouri

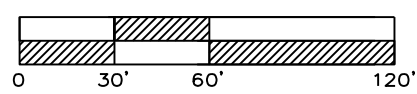
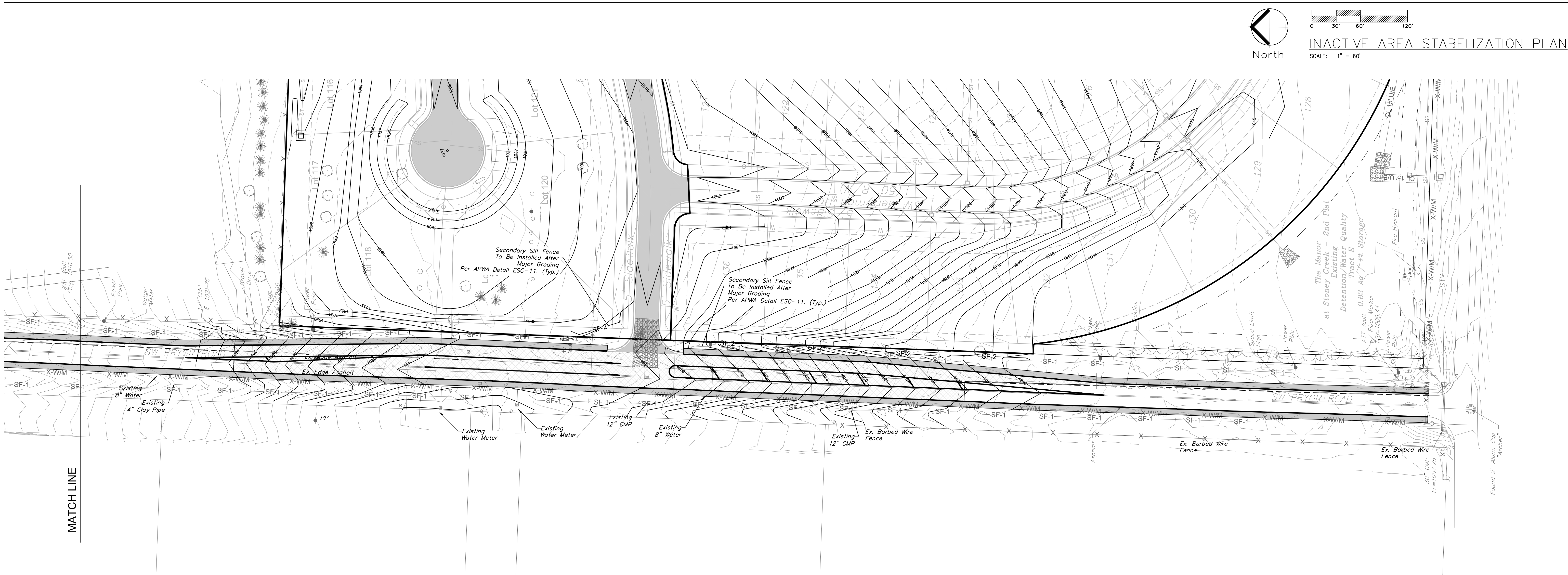
Project: RESERVE  
AT STONEY  
CREEK, 4TH PLAT  
Issued For:  
October, 2018

ESC PHASE 1 - Pre Clearing Plan  
Construction Plans for:  
The Reserve at Stoney Creek - 4th Plat  
Lee's Summit, Jackson County, Missouri

Matthew J. Schlicht  
MO PE 2006019708  
KS PE 19071  
OK PE 25526

| REVISIONS      |
|----------------|
| △ REV. 6/26/19 |
| △ REV. 7/11/19 |
| △ REV. 7/31/19 |

C.050C



INACTIVE AREA STABELIZATION PLAN  
SCALE: 1" = 60'

#### EROSION CONTROL DESCRIPTION:

- 1.) SILT FENCE SHALL BE PLACED AT THE PERIMETER OF THE GRADING AND AT INTERMEDIATE AREAS THROUGHOUT THE SITE AS SHOWN ON THE PLAN. INLET SEDIMENT TRAPS SHALL BE PLACED SURROUNDING ALL STORM INLETS
- 2.) INSTALL TEMPORARY CONSTRUCTION ENTRANCE AS SHOWN ON PLAN

#### EROSION CONTROL PROCEDURE:

- 1.) SILT FENCE AND TEMPORARY CONSTRUCTION ENTRANCE SHALL BE INSTALLED AT THE PERIMETER OF THE GRADED AREAS PRIOR TO BEGINNING OF CLEARING OR DEMOLITION OPERATIONS. THE CONTRACTOR SHALL INSTALL SILT FENCE AS SHOWN ON PLANS AS GRADING PROGRESSES.

#### TEMPORARY CONSTRUCTION ENTRANCE NOTES:

- A.) INSTALLATION
  - 1.) AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC STREETS. IF POSSIBLE, LOCATE WHERE PERMANENT ROADS WILL EVENTUALLY BE CONSTRUCTED
  - 2.) REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE AND CROWN FOR POSITIVE DRAINAGE
  - 3.) IF SLOPE TOWARDS THE PUBIC ROAD EXCEED 2% CONSTRUCT A 6 TO 8 INCH HIGH RIDGE WITH 3H : 1V SIDE SLOPES ACROSS THE FOUNDATION APPROXIMATELY 15 FEET FROM THE EDGE OF THE PUBLIC ROAD TO DIVERT RUNOFF AWAY FROM IT.
  - 4.) INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES ALONG PUBLIC ROADS
  - 5.) PLACE STONE TO DIMENSIONS AND GRADES AS SHOWN ON PLANS. LEAVE SURFACE SMOOTH AND SLOPED FOR DRAINAGE
  - 6.) DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE
  - 7.) IF WET CONDITIONS ARE ANTICIPATED PLACE GEOTEXTILE FABRIC ON THE GRADED FOUNDATION TO IMPROVE STABILITY
- B.) TROUBLESHOOTING
  - 1.) CONSULT WITH A QUALIFIED DESIGN PROFESSIONAL IF ANY OF THE FOLLOWING OCCUR:
    - INADEQUATE RUNOFF CONTROLS TO THE EXTENT THAT SEDIMENT WASHES ONTO PUBLIC ROADS
    - INSTALL DIVERSIONS OR OTHER RUNOFF CONTROL MEASURES
    - SMALL STONE, THIN PAD, OR ABSENCE OF GEOTEXTILE FABRIC RESULTS IN RUTS AND MUDDY CONDITIONS AS STONE IS PRESSED INTO SOIL - INCREASE STONE SIZE OR PAD THICKNESS OR ADD GEOTEXTILE FABRIC
    - PAD TOO SHORT FOR HEAVY CONSTRUCTION TRAFFIC - EXTEND PAD BEYOND THE MINIMUM 50 FOOT LENGTH AS NECESSARY
- C.) INSPECTION AND MAINTENANCE
  - 1.) INSPECT STONE PAD AND SEDIMENT DISPOSAL AREA WEEKLY AND AFTER ANY RAIN EVENT
  - 2.) RESHAPE PAD AS NEEDED FOR PROPER DRAINAGE AND RUNOFF CONTROL
  - 3.) TOP DRESS WITH CLEAN 2 AND 3 INCH STONE AS NEEDED
  - 4.) IMMEDIATELY REMOVE MUD OR SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADWAY. REPAIR ANY BROKEN ROAD PAVEMENT IMMEDIATELY
  - 5.) REMOVE ALL TEMPORARY ROAD MATERIALS FROM AREAS WHERE PERMANENT VEGETATION WILL BE ESTABLISHED

#### MAINTENANCE:

TO MAINTAIN THE EROSION AND SEDIMENT CONTROLS, THE FOLLOWING PROCEDURES WILL BE PERFORMED:  
**SEDIMENT CAPTURE DEVICES:** SEDIMENT WILL BE REMOVED FROM THE UPSTREAM OR UPSLOPE SIDE OF THE FILTER FABRIC FENCES, WHEN THE DEPTH OF ACCUMULATED SEDIMENT REACHES ABOUT ONE-THIRD THE HEIGHT OF THE STRUCTURE.  
**STORM SEWER INLETS:** ANY SEDIMENT IN THE STORM SEWER INLETS WILL BE REMOVED AND DISPOSED OF PROPERLY.  
**TEMPORARY CONTROLS:** ALL TEMPORARY CONTROLS WILL BE REMOVED AFTER THE DISTURBED AREAS HAVE BEEN STABILIZED.

#### INSPECTION PROCEDURES:

INSPECTIONS WILL BE DONE BY THE RESPONSIBLE PERSON(S) AT LEAST ONCE EVERY WEEK AND WITHIN 24 HOURS EACH STORM EVENT PRODUCING ANY AMOUNT OF RAINFALL. AREAS THAT HAVE BEEN RESEEDED WILL BE INSPECTED REGULARLY AFTER SEED GERMINATION TO ENSURE COMPLETE COVERAGE OF EXPOSED AREAS. DISTURBED AREAS THAT HAVE NOT BEEN FINALLY STABILIZED SHALL HAVE ALL POLLUTION CONTROL MEASURES INSPECTED FOR PROPER INSTALLATION, OPERATION AND MAINTENANCE. LOCATIONS WHERE STORM WATER LEAVES THE SITE SHALL BE INSPECTED FOR EVIDENCE OF EROSION OR SEDIMENT DEPOSITION. ANY DEFICIENCIES SHALL BE NOTED IN A REPORT OF THE INSPECTION AND CORRECTED WITHIN SEVEN CALENDAR DAYS OF THE INSPECTION. THE PERMITTEE SHALL PROMPTLY NOTIFY THE SITE CONTRACTORS RESPONSIBLE FOR OPERATION AND MAINTENANCE OF POLLUTION CONTROL DEVICES OF DEFICIENCIES.

IF THE EXISTING GROUND COVER IS NATURAL GRASS, DISTURBED AREAS SHALL BE TEMPORARILY SEEDED WITH WHEAT/RYE AT A RATE OF 1.5 POUNDS PER 1000 SQUARE FEET. PERMANENT SEEDING SHALL CONSIST OF 90% IN THREE EQUAL PARTS OF THIN BLADE, TURF-TYPE, TALL FESCUE AND 10% BLUEGRASS SEED AT A RATE OF 10 POUNDS PER 1000 SQUARE FEET. BOTH TEMPORARY AND PERMANENT SEEDED AREAS SHALL BE MULCHED AND WATERED TO MAINTAIN THE PROPER MOISTURE LEVEL OF THE SOIL, TO ESTABLISH GRASS. NEW GRASS SHALL BE WATERED AND MAINTAINED UNTIL IT REACHES A HEIGHT OF 3 INCHES. ANY BARE AREAS SHALL BE RESEEDED.

ALL EROSION CONTROL DEVICES SHALL BE REMOVED BY GENERAL CONTRACTOR AFTER SITE STABILIZATION IS COMPLETE AND APPROVED BY ENGINEER.

THE DEVELOPER WILL DESIGNATE A QUALIFIED PERSON OR PERSONS TO PERFORM THE FOLLOWING INSPECTIONS:

**STABILIZATION MEASURES:** DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION WILL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. AFTER A PORTION OF THE SITE IS FINALLY STABILIZED, INSPECTIONS WILL BE CONDUCTED AT LEAST ONCE EVERY MONTH THROUGHOUT THE LIFE OF THE PROJECT. CONTRACTOR CAN CONTACT ENGINEERING SOLUTIONS FOR COPIES OF THE INSPECTION FORM TO BE USED FOR STABILIZATION MEASURES.  
**STRUCTURAL CONTROLS:** FILTER FABRIC FENCES AND ALL OTHER EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN WILL BE INSPECTED REGULARLY FOR PROPER POSITIONING, ANCHORING, AND EFFECTIVENESS IN TRAPPING SEDIMENTS. SEDIMENT WILL BE REMOVED FROM THE UPSTREAM OR UPSLOPE SIDE OF THE FILTER FABRIC. CONTRACTOR CAN CONTACT ENGINEERING SOLUTIONS FOR COPIES OF THE INSPECTION FORM TO BE USED FOR STABILIZATION MEASURES.  
**DISCHARGE POINTS:** DISCHARGE POINTS OR LOCATIONS WILL BE INSPECTED TO DETERMINE WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT AMOUNTS OF POLLUTANTS FROM ENTERING RECEIVING WATERS.  
**CONSTRUCTION ENTRANCE:** LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE WILL BE INSPECTED FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING.

A LOG OF EACH INSPECTION SHALL BE KEPT. THE INSPECTION REPORT IS TO INCLUDE THE FOLLOWING MINIMUM INFORMATION: INSPECTOR'S NAME, DATE OF INSPECTION, OBSERVATIONS RELATIVE TO THE EFFECTIVENESS OF THE POLLUTION CONTROL DEVICES, ACTIONS TAKEN OR NECESSARY TO CORRECT DEFICIENCIES, AND LISTING OF AREAS WHERE LAND DISTURBANCE OPERATIONS HAVE PERMANENTLY OR TEMPORARILY STOPPED. THE INSPECTION REPORT SHALL BE SIGNED BY THE PERMITTEE OR BY THE PERSON PERFORMING THE INSPECTION IF DULY AUTHORIZED TO DO SO.

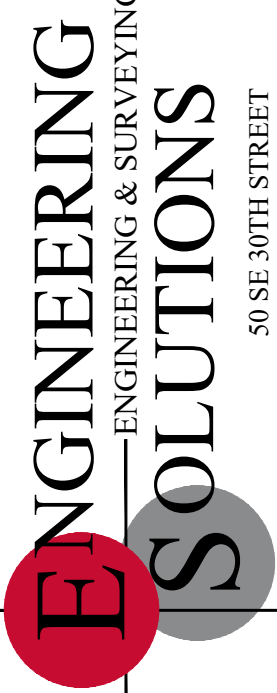
DURING ALL PHASES OF CONSTRUCTION, INACTIVE AREA STABILIZATION METHODS AS DESCRIBED IN APWA SECTION 511.3 SHALL BE USED TO CONTROL EROSION AND SILTATION.

NOTES: The Land Disturbance Plans indicates the Final placement of erosion control devices. The contractor(s) may proceed with construction prior to the final placement of these devices by providing additional devices to control erosion on their items of work. These devices shall be maintained until the final devices are in place.

SILT FENCE PROTECTION TO BE MAINTAINED BY CONTRACTOR

#### LEGEND

PHASE 1 SILT FENCE ——— SF-1 ——— SF-1 ———  
PHASE 2 SILT FENCE ——— SF-2 ——— SF-2 ———  
INLET PROTECTION ———



Professional Registration  
Missouri  
Engineering 2005002188-D  
Surveying 200500019-D  
Kansas  
Engineering E-1895  
Surveying LS-218  
Oklahoma  
Engineering 6254  
Nebraska  
Engineering CA2821

The Reserve at Stoney Creek - 4th Plat  
Lee's Summit, Jackson County, Missouri

Project: THE RESERVE  
AT STONEY  
CREEK, 4TH PLAT  
Issue Date:  
October, 2018

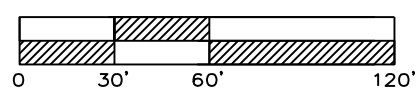
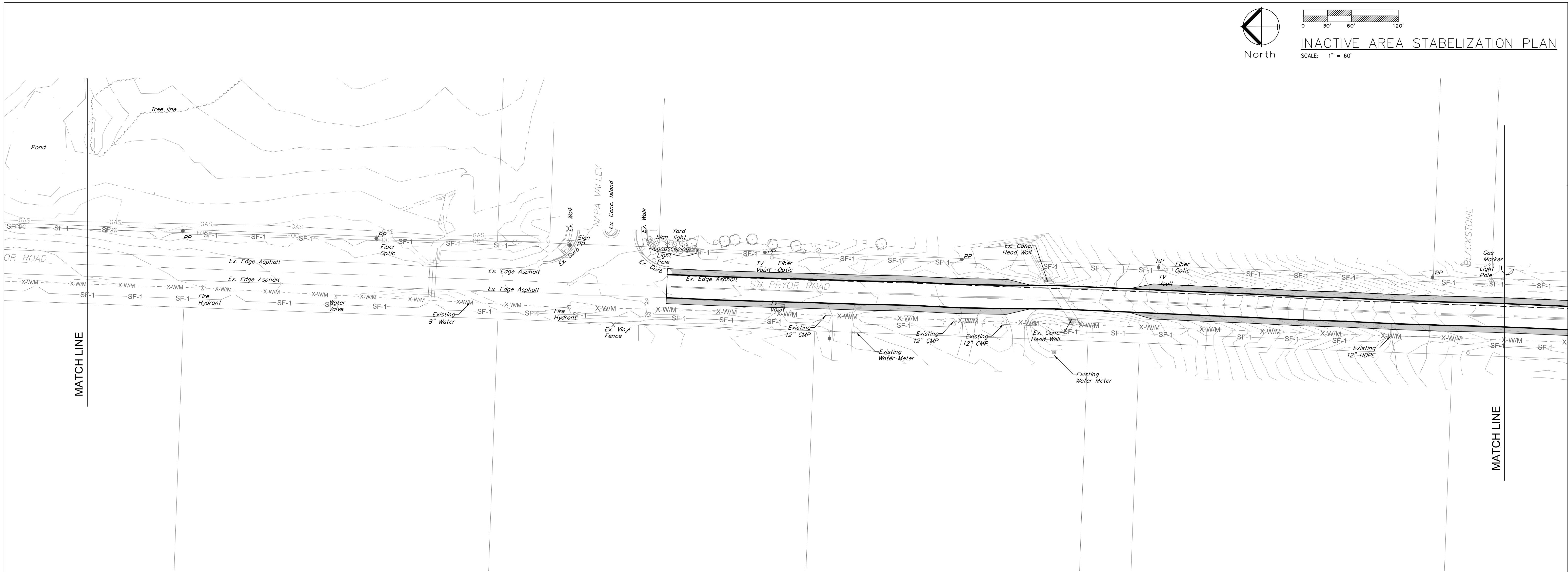
ESC PHASE 2 - Inactive Area Stabilization Plan  
Construction Plans for:  
The Reserve at Stoney Creek - 4th Plat  
Lee's Summit, Jackson County, Missouri

Matthew J. Schlicht  
MO PE 2006019708  
KS PE 190071  
OK PE 25526

| REVISIONS |              |
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C.051A





INACTIVE AREA STABELIZATION PLAN  
SCALE: 1" = 60'

#### EROSION CONTROL DESCRIPTION:

- 1.) SILT FENCE SHALL BE PLACED AT THE PERIMETER OF THE GRADING AND AT INTERMEDIATE AREAS THROUGHOUT THE SITE AS SHOWN ON THE PLAN. INLET SEDIMENT TRAPS SHALL BE PLACED SURROUNDING ALL STORM INLETS
- 2.) INSTALL TEMPORARY CONSTRUCTION ENTRANCE AS SHOWN ON PLAN

#### EROSION CONTROL PROCEDURE:

- 1.) SILT FENCE AND TEMPORARY CONSTRUCTION ENTRANCE SHALL BE INSTALLED AT THE PERIMETER OF THE GRADED AREAS PRIOR TO BEGINNING OF CLEARING OR DEMOLITION OPERATIONS. THE CONTRACTOR SHALL INSTALL SILT FENCE AS SHOWN ON PLANS AS GRADING PROGRESSES.

#### TEMPORARY CONSTRUCTION ENTRANCE NOTES:

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  - 2.) REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE AND CROWN FOR POSITIVE DRAINAGE.
  - 3.) IF SLOPE TOWARDS THE PUBIC ROAD EXCEED 2% CONSTRUCT A 6 TO 8 INCH HIGH RIDGE WITH 3H : 1V SIDE SLOPES ACROSS THE FOUNDATION APPROXIMATELY 15 FEET FROM THE EDGE OF THE PUBLIC ROAD TO DIVERT RUNOFF AWAY FROM IT.
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DURING ALL PHASES OF CONSTRUCTION, INACTIVE AREA STABILIZATION METHODS AS DESCRIBED IN APWA SECTION 511.3 SHALL BE USED TO CONTROL EROSION AND SILTATION.

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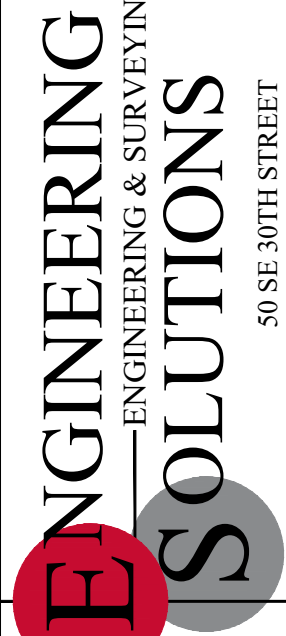
SILT FENCE PROTECTION  
TO BE MAINTAINED BY CONTRACTOR

#### LEGEND

PHASE 1 SILT FENCE      ——— SF-1 ——— SF-1 ———

PHASE 2 SILT FENCE      ——— SF-2 ——— SF-2 ———

INLET PROTECTION      ———



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Engineering CA2821

The Reserve at Stoney Creek - 4th Plat  
Lee's Summit, Jackson County, Missouri

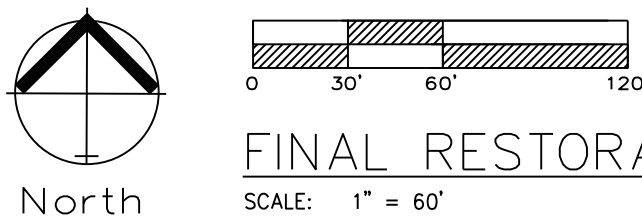
Project: THE RESERVE  
AT STONEY  
CREEK, 4TH PLAT  
Issue Date:  
October, 2018

ESC PHASE 2 - Inactive Area Stabilization Plan  
Construction Plans for:  
The Reserve at Stoney Creek - 4th Plat  
Lee's Summit, Jackson County, Missouri

Matthew J. Schlicht  
MO PE 2006019708  
KS PE 19071  
OK PE 25526

| REVISIONS |              |
|-----------|--------------|
| △         | REV. 6/26/19 |
| △         | REV. 7/11/19 |
| △         | REV. 7/31/19 |
|           |              |
|           |              |
|           |              |
|           |              |

C.051C



**LEGEND**

PHASE 1 SILT FENCE ———— SF-1 ———— SF-1 ————

PHASE 2 SILT FENCE ———— SF-2 ———— SF-2 ————

INLET PROTECTION 

NOTES: The Land Disturbance Plans indicates the Final placement of erosion control devices. The contractor(s) may proceed with construction prior to the final placement of these devices by providing additional devices to control erosion on their items of work. These devices shall be maintained until the final devices are in place.

## SEED AND MULCH NOTES:

All areas disturbed by construction activities shall be seeded and mulched. Seeding shall be done before the proposed seeded becomes eroded, crusted over, or dried out and shall not be done when the ground is frozen, or covered with snow. The seed shall comply with the requirements of the Missouri Seed Law and the Federal Seed Act. Also, it shall contain no seed of any plant on the Federal Noxious Weed List. Other weed seeds shall not exceed one percent by weight of mix.

### Seed and Fertilizer Rate:

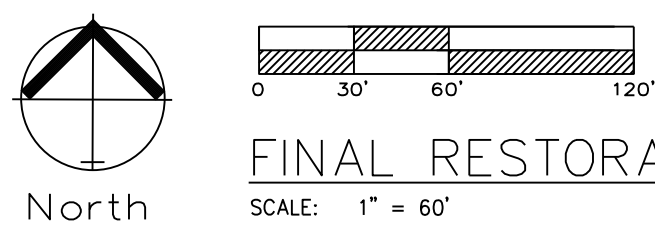
|                                        |                       |
|----------------------------------------|-----------------------|
| Mix 1 - Rye Grass / Blue Grass -----   | 100 lbs. per Acre     |
| Mix 1 - Tall Fescue / Blue Grass ----- | 195 lbs. per Acre     |
| Limeline -----                         | 2900 lbs per Acre (50 |
| lbs per 1000 sq ft.)                   |                       |
| Fertilizer -----                       | 800 to 1200 lbs per   |
| Acre (25 lbs per 1000 sq. ft.)         |                       |

During the dates December 15th through May 31 ALL lime fertilizer, seed and mulch shall be applied to finished slopes of disturbed areas. During the months of June, July, October and November 1st through December 15th, lime fertilizer, seed and mulch shall be applied at the following rates:

- Lime - 100% of specified quantity
- Fertilizer - 75% of the specified quantity
- Seed - 50% of the specified quantity
- Mulch - 100% of the specified quantity

Mulch shall be Vegetative type, cereal straw from stalks of oats, rye, or barley, or approved equal. The straw shall be free of prohibited weed seed and relatively free of all other noxious and undesirable seed. Mulch shall be applied at the rate of 2 tons per acre, (70 to 90 lbs per 1000 sq. ft.). Mulch shall be embedded by a mulch anchoring tool or disk type roller having flat serrated disks spaced not more than 10 inches apart and cleaning scrapers shall be provided

ONCE SITE IS 90% VEGETATED ALL ESC DEVI  
SHALL BE REMOVED AND ANY DISTURBED AR  
SHALL BE RESTORED



SCALE: 1" = 60'

**Professional Registration**  
Missouri  
*Engineering 2005002186-D*  
*Surveying 2005008319-D*  
Kansas  
*Engineering E-1695*  
*Surveying LS-218*  
Oklahoma  
*Engineering 6254*  
Nebraska  
*Engineering CA2821*

Project:  
THE RESERVE  
AT STONEY  
CREEK 4TH PLAT

---

Issue Date:  
October, 2018

Matthew J. Schlicht  
MO PE 2006019708  
KS PE 19071  
OK PE 25226  
REVISIONS

C.052B

DURING ALL PHASES OF CONSTRUCTION,  
INACTIVE AREA STABILIZATION METHODS AS  
DESCRIBED IN APWA SECTION 5111.3 SHALL BE  
USED TO CONTROL EROSION AND SILTATION.

## SEED AND MULCH NOTES:

All areas disturbed by construction activities shall be seeded and mulched. Seeding shall be done before the proposed seedbed becomes disturbed, crusted over, or dried out and shall not be done when the ground is frozen, or covered with snow. The seed shall comply with the requirements of the Missouri Seed Law and the Federal Seed Act. Also, it should contain no seed of any plant on the Federal Noxious Weed List. Other weed seeds shall not exceed one percent by weight of mix.

### Seed and Fertilizer Rate:

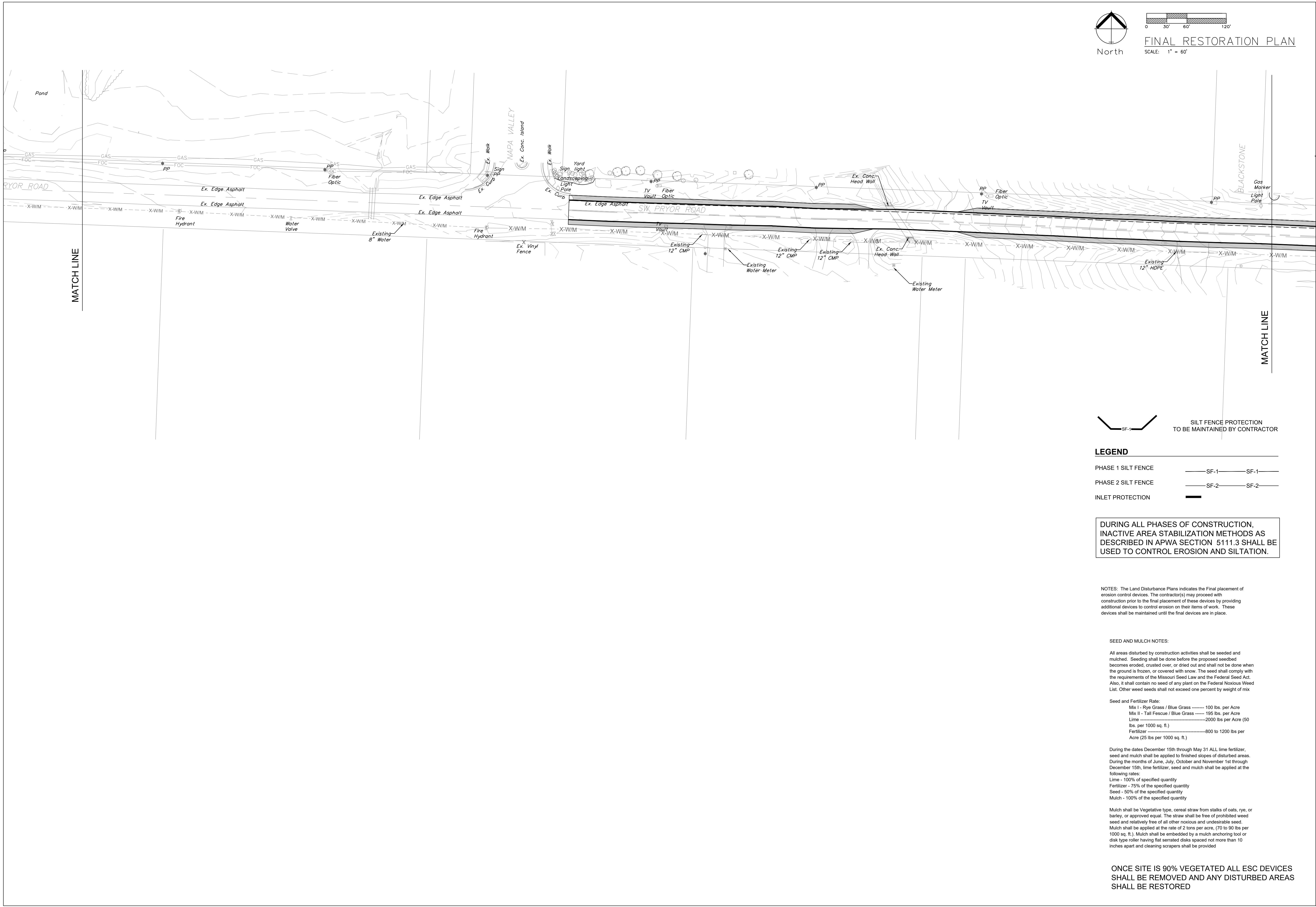
|                                  |       |                       |
|----------------------------------|-------|-----------------------|
| Mix 1- Rye Grass / Blue Grass    | ----- | 100 lbs. per Acre     |
| Mix 1 - Tall Fescue / Blue Grass | ----- | 150 lbs. per Acre     |
| Lime                             | ----- | 2000 lbs per Acre (50 |
| Fertilizer                       | ----- | 800 to 1200 lbs per   |
| Acre (25 lbs per 1000 sq. ft.)   |       |                       |

During the dates December 15th through May 31 ALL lime fertilizer, seed and mulch shall be applied to finished slopes of disturbed areas. During the months of June, July, October and November 1st through December 15th, lime fertilizer, seed and mulch shall be applied at the following rates:

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ONCE SITE IS 90% VEGETATED ALL ESC DEV  
SHALL BE REMOVED AND ANY DISTURBED A  
SHALL BE RESTORED



ENGINEERING  
ENGINEERING & SURVEYING  
SOLUTIONS

50 SE 30TH STREET  
LEE'S SUMMIT, MO 64082  
P: (816) 623-9888 F: (816) 623-9849

Professional Registration

Missouri  
Engineering 2005002188-D  
Surveying 200500319-D  
Kansas  
Engineering E-1895  
Surveying LS-218  
Oklahoma  
Engineering 6254  
Nebraska  
Engineering CA2821

The Reserve at Stoney Creek - 4th Plat  
Lee's Summit, Jackson County, Missouri

Project: ESC PHASE 3 - Final Restoration Plan  
AT: STONEY CREEK 4TH PLAT  
Issue: 1  
Date: October 2018

Matthew J. Schlicht  
MO PE 2006019708  
KS PE 19071  
OK PE 25526

REVISIONS

△

REV. 6/26/19

△

REV. 7/11/19

△

REV. 7/31/19

C.052C

# The Reserve at Stoney Creek - 4th Plat

## SW PRYOR ROAD IMPROVEMENT CONSTRUCTION PLANS

Part of the SW 1/4 Section 36, Township 47 N, Range 32 W  
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

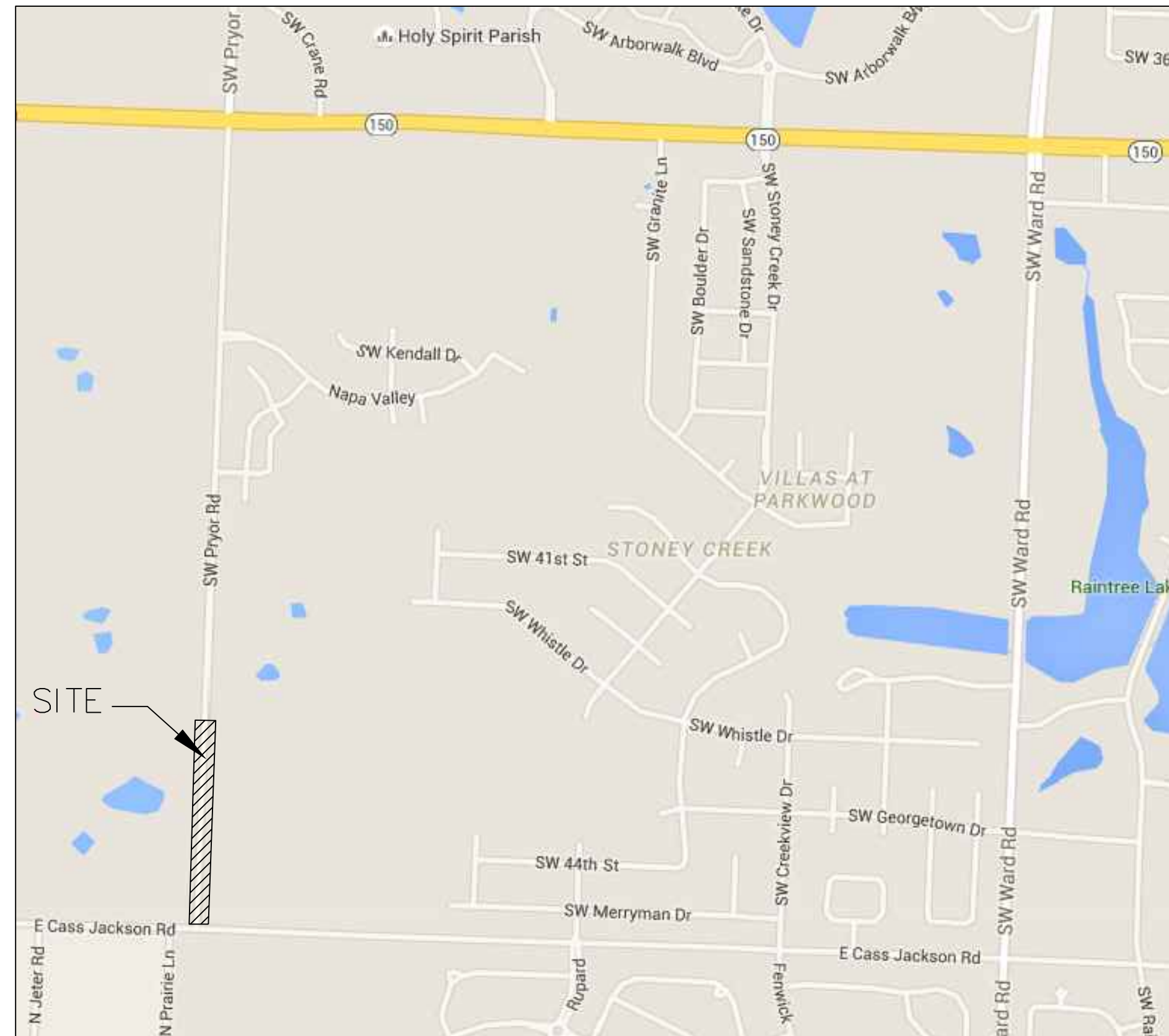
### LEGEND:

|                                |               |
|--------------------------------|---------------|
| Existing Underground Power     | —UGP—UGP—     |
| Existing Conc. Curb & Gutter   | =====         |
| Existing Fence                 | —X—X—X—       |
| Existing Gas Main              | —G—G—G—       |
| Existing Water Main            | —X-W/M—X-W/M— |
| Existing Storm Sewer           | —X-STM—X-STM— |
| Existing Sanitary Sewer        | —X-SAN—X-SAN— |
| Existing Underground Telephone | —UGT—UGT—     |
| Existing Overhead Power        | —OHE—         |
| Existing Fiber Optic Cable     | —FOC—         |
| Proposed Storm Sewer           | —ST—ST—ST—    |
| Proposed Sanitary Sewer        | —SS—SS—SS—    |
| Proposed Water                 | —W—W—W—       |

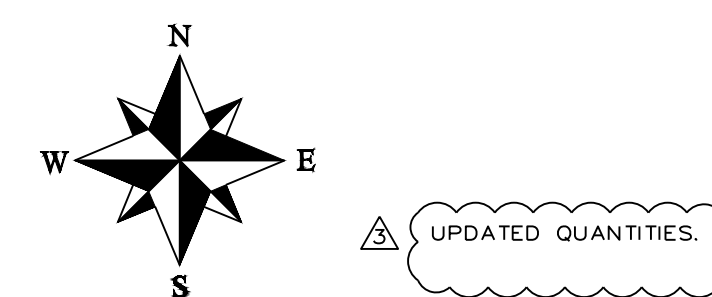
### UTILITY COMPANIES:

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  
MISSOURI GAS ENERGY ~ 756-5261  
SOUTHWESTERN BELL TELEPHONE ~ 761-5011  
COMCAST CABLE ~ 795-1100  
WILLIAMS PIPELINE ~ 422-6300  
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



### SITE LOCATION MAP



### SUMMARY OF QUANTITIES

| ITEM AND DESCRIPTION                  | UNIT | ESTIMATED QUANTITY |
|---------------------------------------|------|--------------------|
| ASPHALT PAVING                        | S.Y. | 2,886.00           |
| MoDOT Type 5 Base                     | S.Y. | 2,886.00           |
| SAW CUT                               | FT   | 3,756.00           |
| GEOGRID                               | S.Y. | 2,886.00           |
| CLEARING, GRADING & GRUBBING          | LS   | 1                  |
| CONCRETE DRIVEWAY REPLACEMENT         | SF   | 1,088              |
| ASPHALT DRIVEWAY REPLACEMENT          | SF   | 3,444              |
| GRAVEL DRIVEWAY REPLACEMENT           | SF   | 1,166              |
| SHOULDER CLEARING, GRADING & GRUBBING | LS   | 1                  |
| SILT FENCE                            | FT   | 7,500.00           |
| SEEDING / MULCHING/ FERTILIZING       | LS   | 1                  |
| SIGN RELOCATION                       | UNIT | 12                 |
| MAIL BOX RELOCATION                   | UNIT | 9                  |
| LOWER EX. ATT VAULT                   | UNIT | 1                  |
| Asphalt Alternate Pavement            | S.Y. | 4,957              |
| MoDOT Type 5 Base Alternate Pavement  | S.Y. | 4,957              |
| 12" CMP STORM PIPE                    | L.F. | 48                 |
| PAVEMENT STRIPING REMOVAL             | L.F. | 798                |
| LEFT TURN ARROW                       | UNIT | 3.00               |
| PAVEMENT STRIPING NEW                 | L.F. | 6,360              |
| TRAFFIC CONTROL                       | LS   | 1                  |

### INDEX OF SHEETS:

C.250 ~ COVER SHEET  
C.050 ~ ESC PHASE 1 PLAN  
C.051 ~ ESC PHASE 2 PLAN  
C.052 ~ FINAL RESTORATION PLAN  
C.251 ~ CONSTRUCTION NOTES AND CROSS SECTION  
C.252 ~ STREET WIDENING AND PAVEMENT MARKING PLAN  
C.253 ~ SPOT ELEVATIONS  
C.254 ~ EXISTING SW PRYOR ROAD PLAN  
C.255 ~ EXISTING SW PRYOR ROAD PLAN  
C.256 ~ EXISTING SW PRYOR ROAD PLAN  
C.257 ~ EXISTING SW PRYOR ROAD PLAN  
C.258 ~ TRAFFIC CONTROL DETAILS  
C.259 ~ PAVEMENT MARKING DETAILS  
C.260 ~ STREET WIDENING SECTIONS  
C.261 ~ TRAFFIC CONTROL PLAN GENERAL LAYOUT

### LEGEND:

B/L ~ BUILDING SET-BACK  
C/A ~ COMMON AREA  
D/E ~ DRAINAGE EASEMENT  
FND. ~ FOUND  
L/E ~ LANDSCAPE EASEMENT  
L.N.A. ~ LIMITS OF NO ACCESS  
R/W ~ RIGHT OF WAY  
SAN ~ SANITARY SEWER LINE  
S/W ~ SIDEWALK  
U/E ~ UTILITY EASEMENT  
W ~ WATER LINE  
ST ~ STORM SEWER LINE

### BENCHMARK:

CENTER OF SANITARY SEWER  
MANHOLE LOCATED IN THE SE  
CORNER OF THE LOT 123, FOXWOOD  
EAST 5TH PLAT.

ELEVATION 945.69

### ENGINEER'S CERTIFICATION:

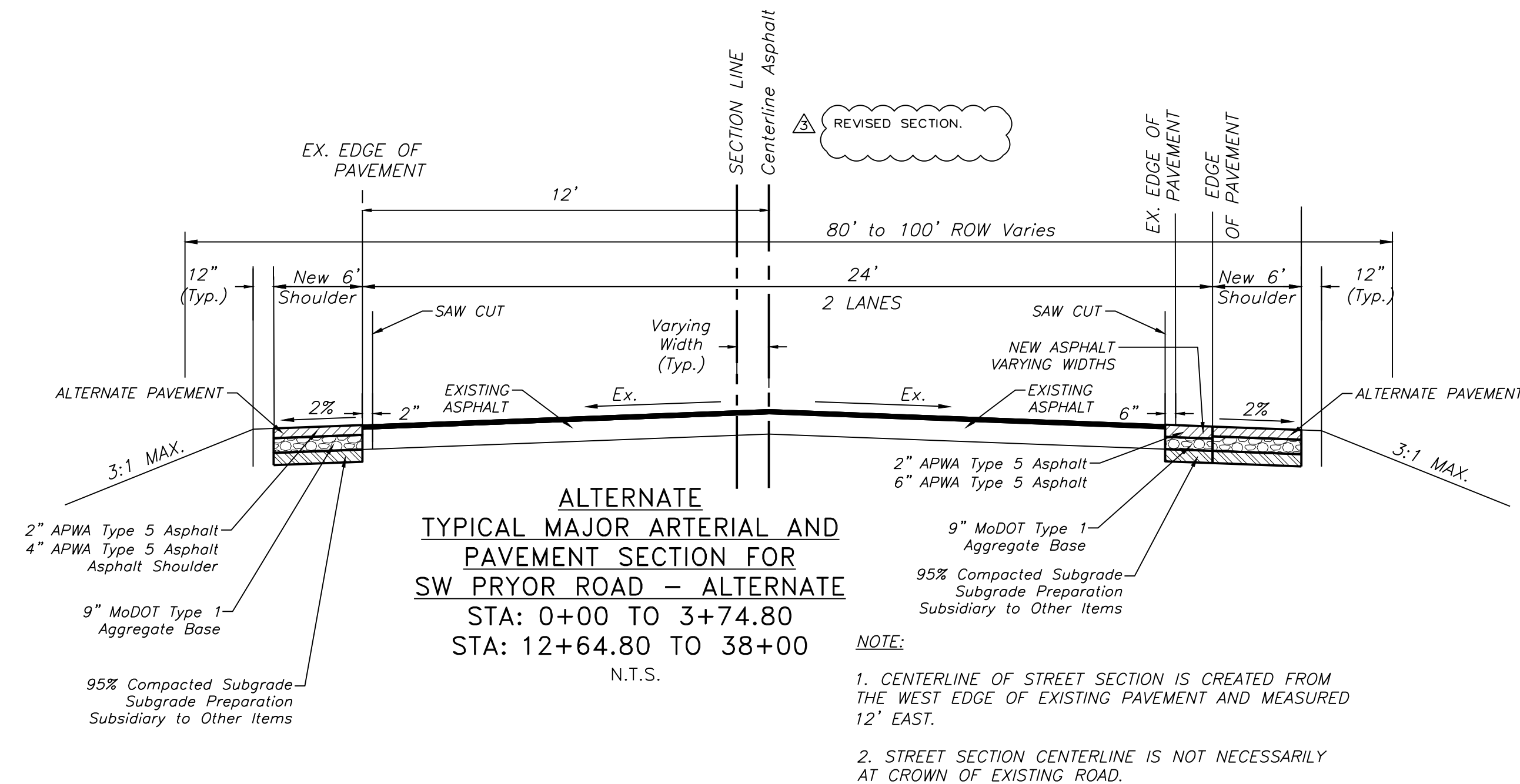
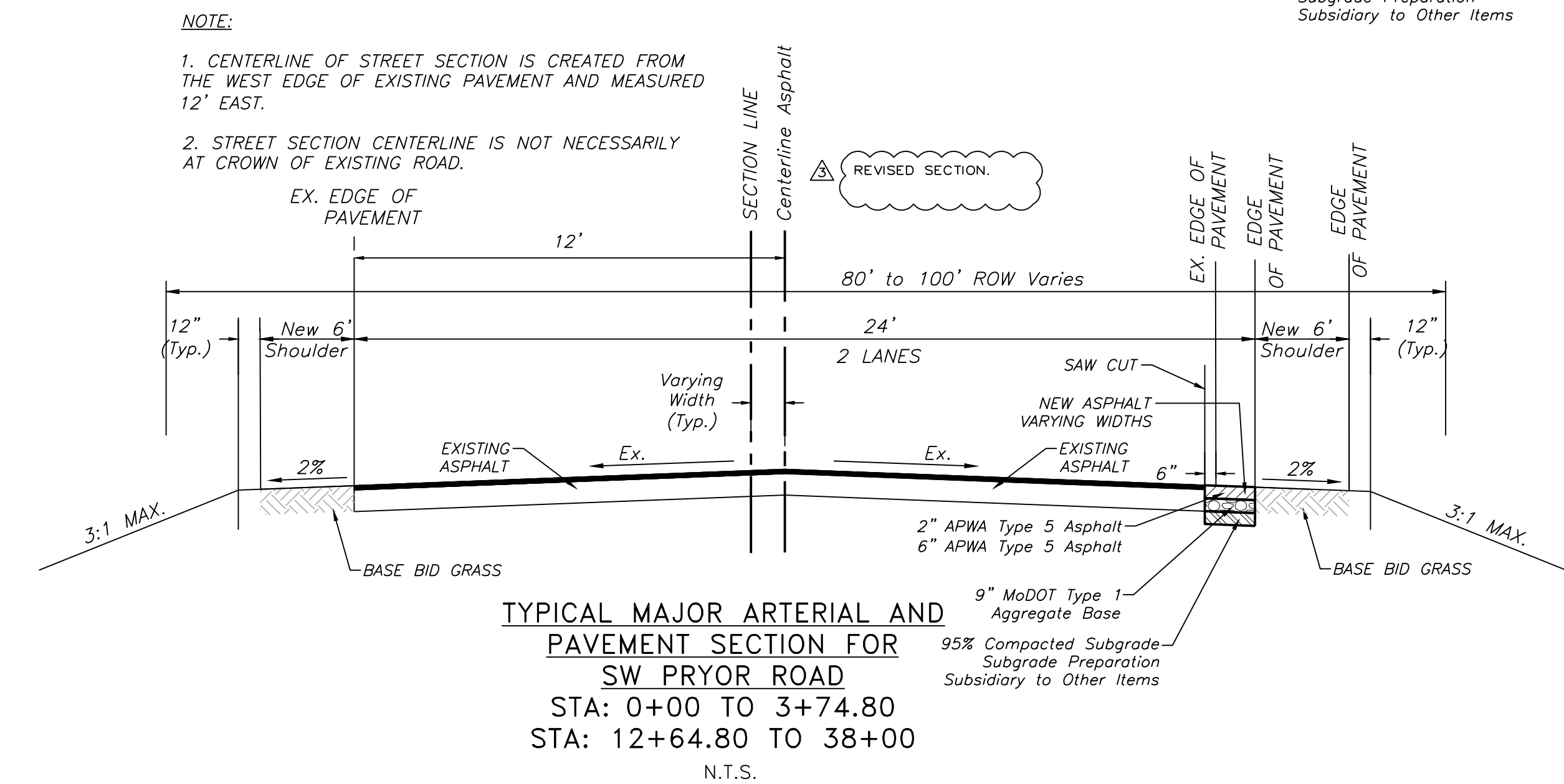
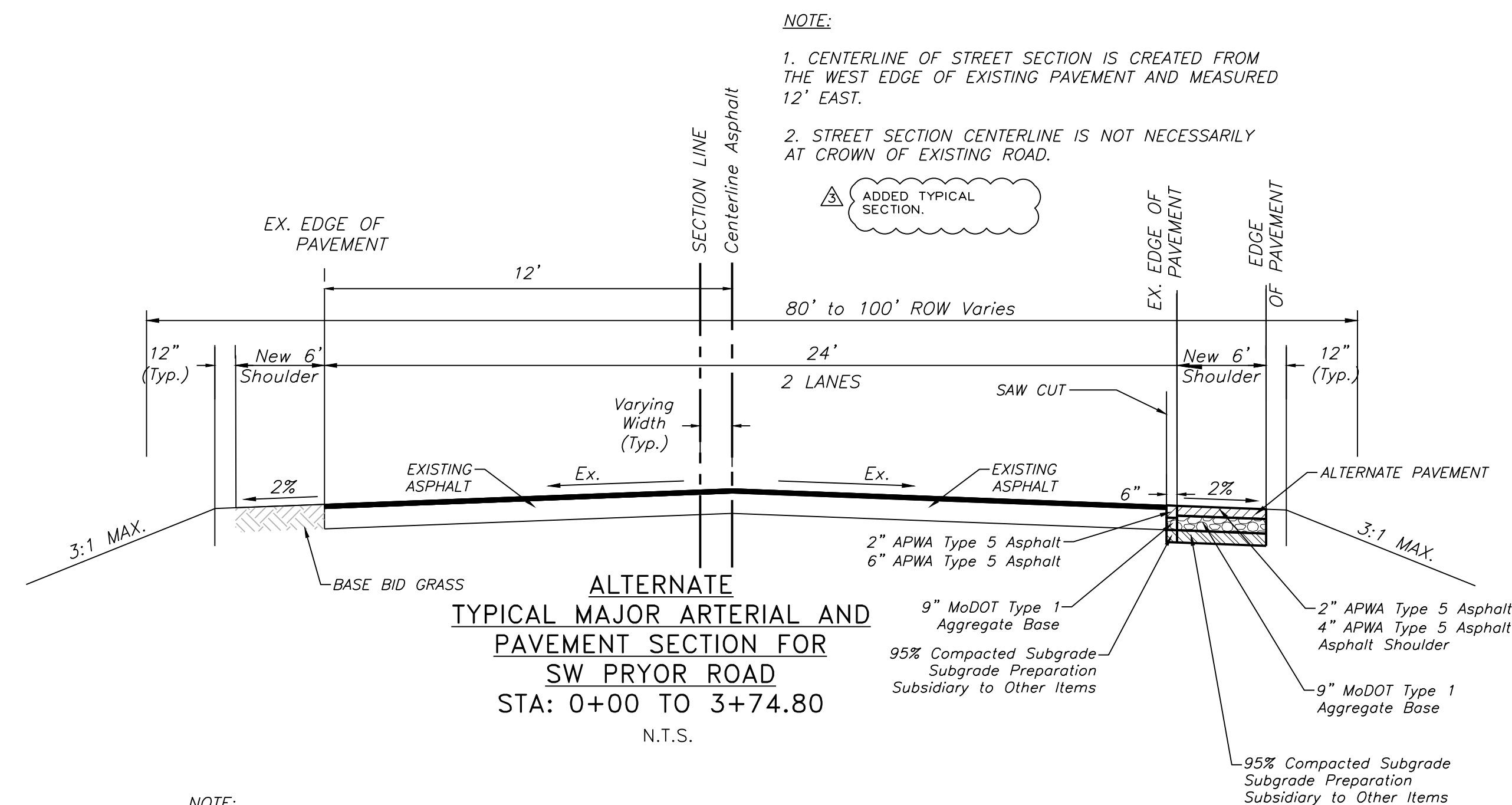
I HEREBY CERTIFY THAT THIS PROJECT HAS BEEN DESIGNED AND THESE PLANS PREPARED IN ACCORDANCE WITH THE CURRENT DESIGN CRITERIA OF THE CITY OF LEE'S SUMMIT, MISSOURI AND THE STATE OF MISSOURI. I FURTHER CERTIFY THAT THESE PLANS WERE DESIGNED IN ACCORDANCE TO AASHTO STANDARDS.

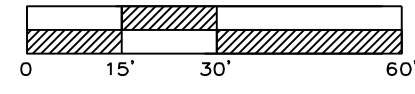
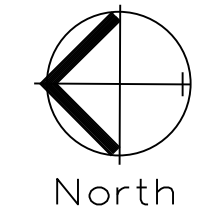
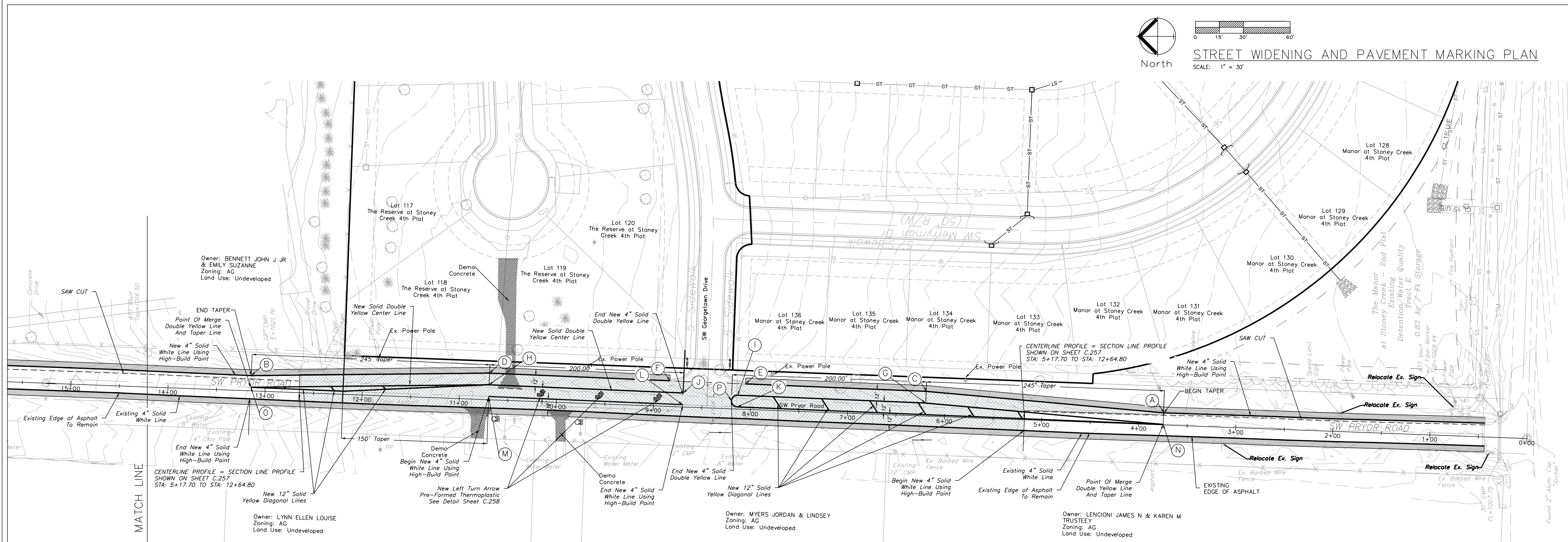
### CITY OF LEE'S SUMMIT, MISSOURI

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

BY: \_\_\_\_\_  
CITY ENGINEER

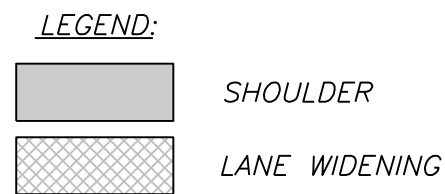
- 1 - ALL CONSTRUCTION SHALL CONFORM TO THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL AS ADOPTED BY ORDINANCE 5813.
- 2 - ALL REQUIRED EASEMENTS WITHIN THE BOUNDARY OF THIS PROJECT SHALL BE PROVIDED FOR ON THE FINAL PLAT.
- 3 - ANY REQUIRED EASEMENT LOCATED OUTSIDE OF THE BOUNDARY OF THIS PROJECT SHALL BE PROVIDED FOR BY SEPARATE INSTRUMENT PRIOR TO ISSUANCE OF CONSTRUCTION PERMITS.
- 4 - THE CONTRACTOR SHALL NOTIFY THE CITY OF LEE'S SUMMIT DEVELOPMENT ENGINEERING INSPECTION AT 816.969.1200 AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION.
- 5 - THE CONTRACTOR SHALL NOTIFY ENGINEERING SOLUTIONS AT 816.623.9888 OF ANY CONFLICT WITH THE IMPROVEMENTS PROPOSED BY THESE PLANS AND SITE CONDITIONS.
- 6 - THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER AND OBTAIN THE APPROPRIATE BLASTING PERMITS FOR A REQUIRED BLASTING, IF BLASTING IS ALLOWED.
- ALL BLASTING SHALL CONFORM TO STATE REGULATIONS AND LOCAL ORDINANCES.





STREET WIDENING AND PAVEMENT MARKING PLAN  
SCALE: 1" = 30'

NOTE:  
SEE TRAFFIC CONTROL DETAIL SHEET, C.258, C.259 FOR SIGNS, LANE CLOSURE, CHANNELIZERS AND OTHER TRAFFIC CONTROL DEVICES.



- Notes:
1. New Arrows Shall Be Performed Thermoplastic.
  2. New Paint Stripes Shall Be High Build Point In Accordance With City Standards and Specifications.

| STA. OFFSET TABLE |          |            |
|-------------------|----------|------------|
| LABEL             | STA:     | OFFSET FT. |
| A                 | 3+74.80  | 12.50 R    |
| B                 | 13+14.80 | 15.75 R    |
| C                 | 6+19.80  | 25.42 R    |
| D                 | 10+69.80 | 27.47 R    |
| E                 | 8+05.83  | 26.23 R    |
| F                 | 8+83.99  | 26.47 R    |
| G                 | 6+19.80  | 13.42 R    |
| H                 | 10+69.80 | 15.47 R    |
| I                 | 8+13.80  | 14.29 R    |
| J                 | 8+69.80  | 14.39 R    |
| K                 | 8+13.80  | 2.29 R     |
| L                 | 8+69.80  | 2.39 R     |
| M                 | 10+69.80 | 3.47 R     |
| N                 | 3+74.80  | 0.48 R     |
| O                 | 13+14.80 | 3.75 R     |
| P                 | 8+19.80  | 8.26 R     |

ENGINEERING SOLUTIONS

ENGINEERING & SURVEYING

50 SE 30TH STREET  
LEE'S SUMMIT, MO 64082  
P: (816) 623-9888 F: (816) 623-9849

Professional Registration

Missouri  
Engineering 2005002188-D  
Surveying 2005003019-D

Kansas  
Engineering E-1895  
Surveying LS-218

Oklahoma  
Engineering 6254

Nebraska  
Engineering CA2821

Street Widening Plan and Pavement Marking Plan

Construction Plans for:  
The Reserve at Stoney Creek - 4th Plat  
Lee's Summit, Jackson County, Missouri

Project Engineer  
AT STONEY CREEK 4TH PLAT

Matthew J. Schlicht  
MO PE 2006019708  
KS PE 19071  
OK PE 25526

Revised  
October 7, 2018

Matthew J. Schlicht  
MO PE 2006019708  
KS PE 19071  
OK PE 25526

REVISIONS

REV. 6/26/19

REV. 7/11/19

REV. 7/31/19

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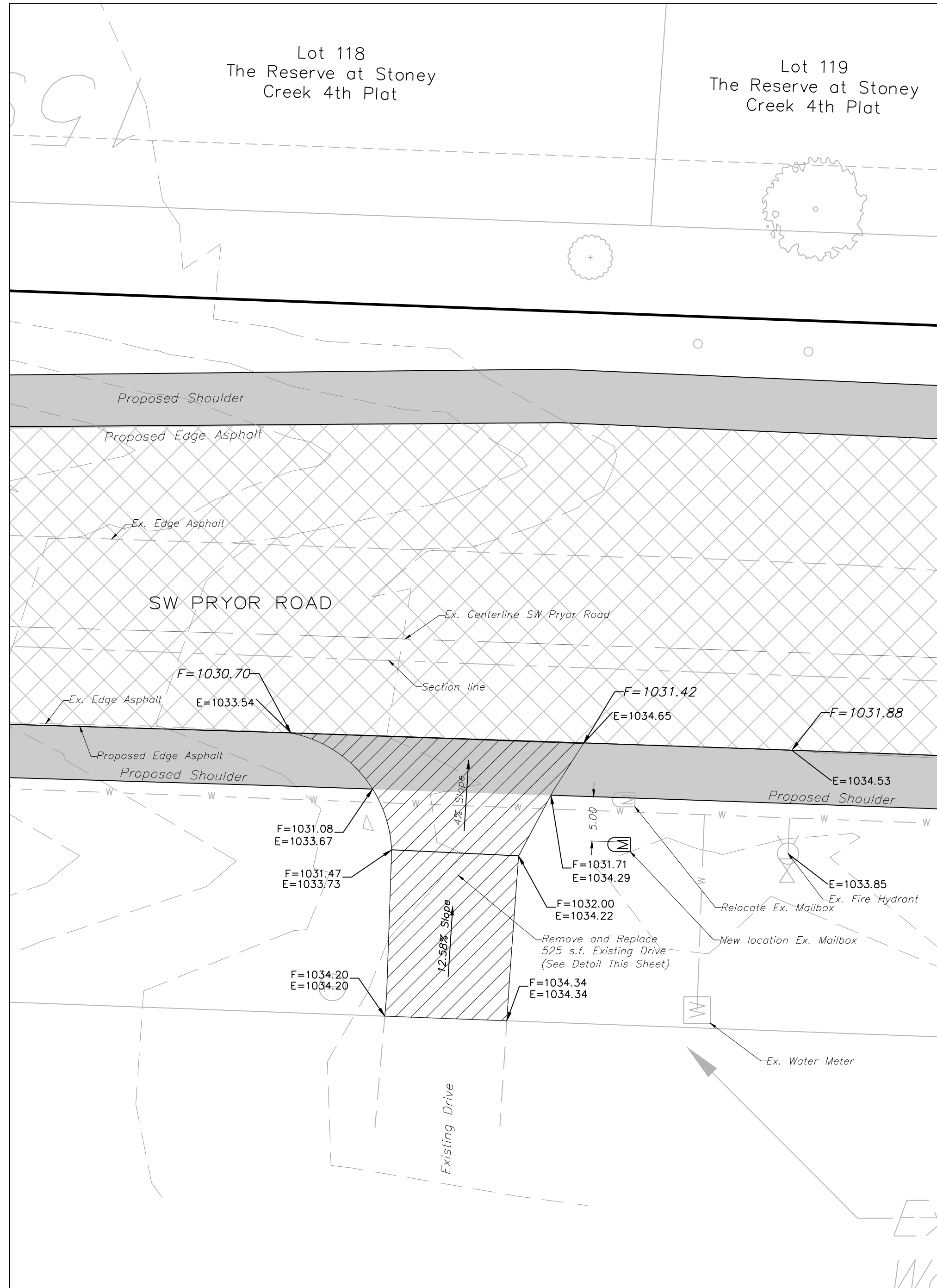
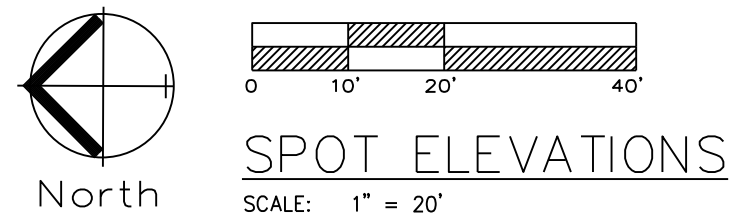
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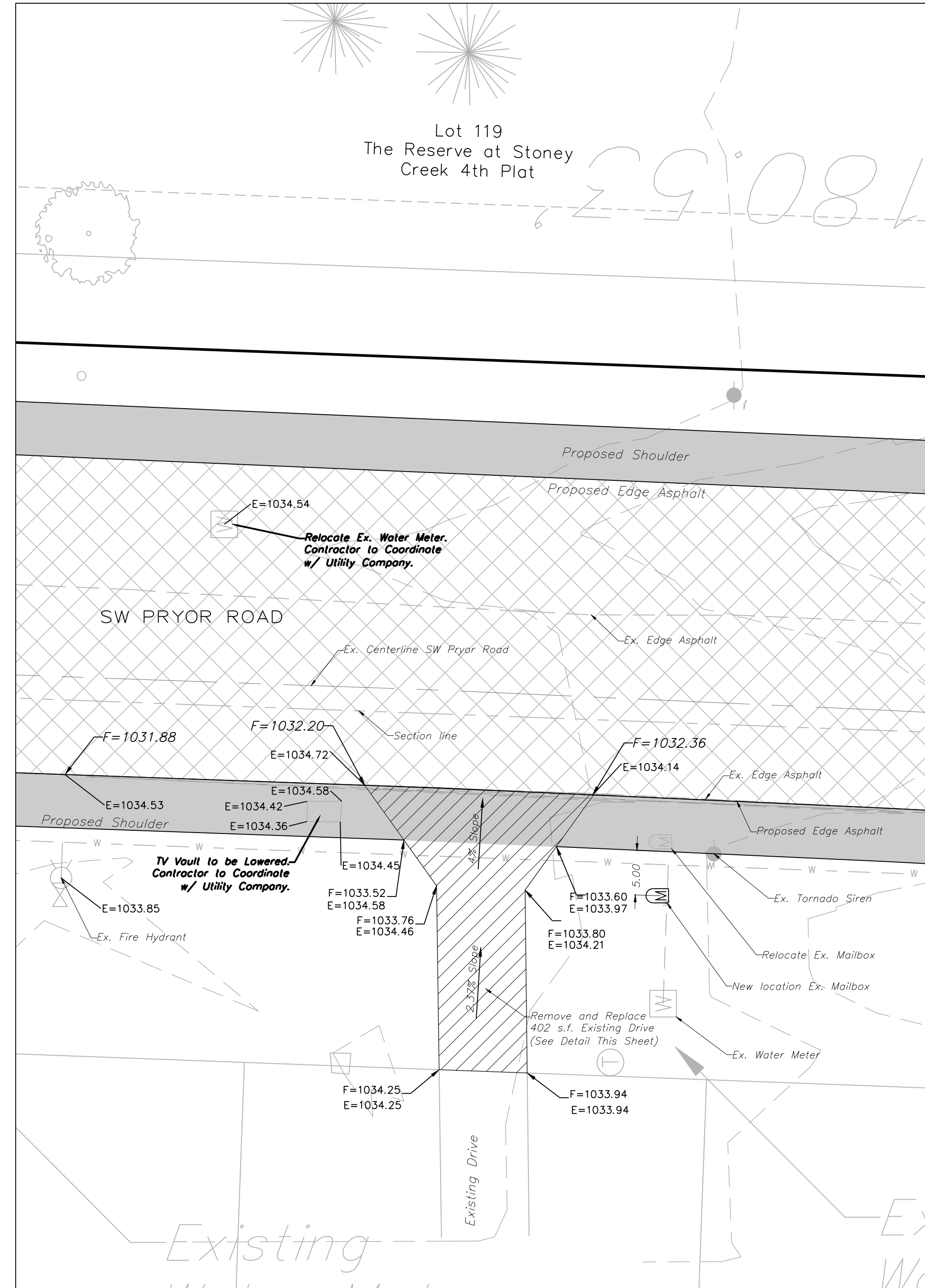
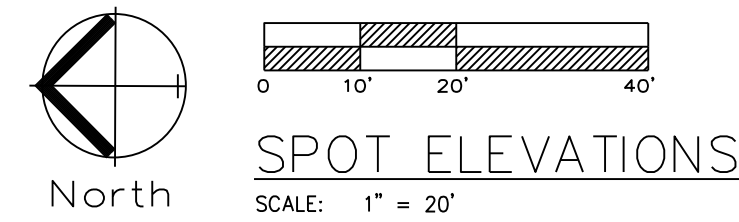
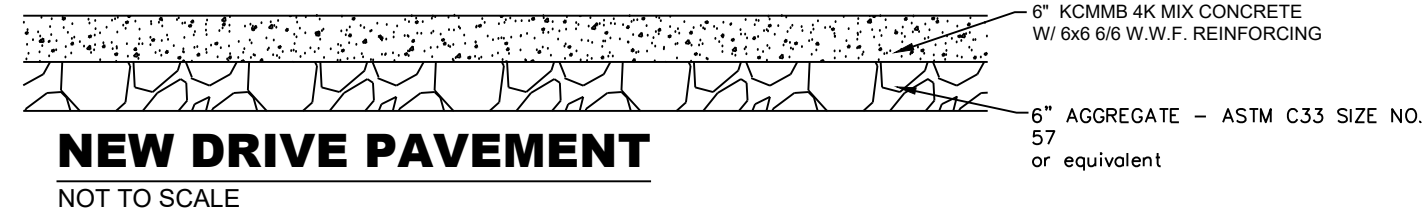
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C. 252



Owner: LYNN ELLEN LOUISE  
Zoning: AG  
Land Use: Undeveloped



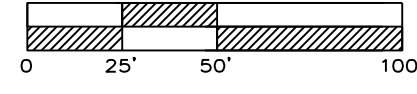
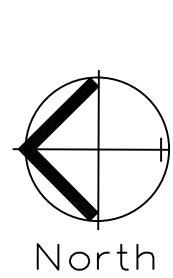
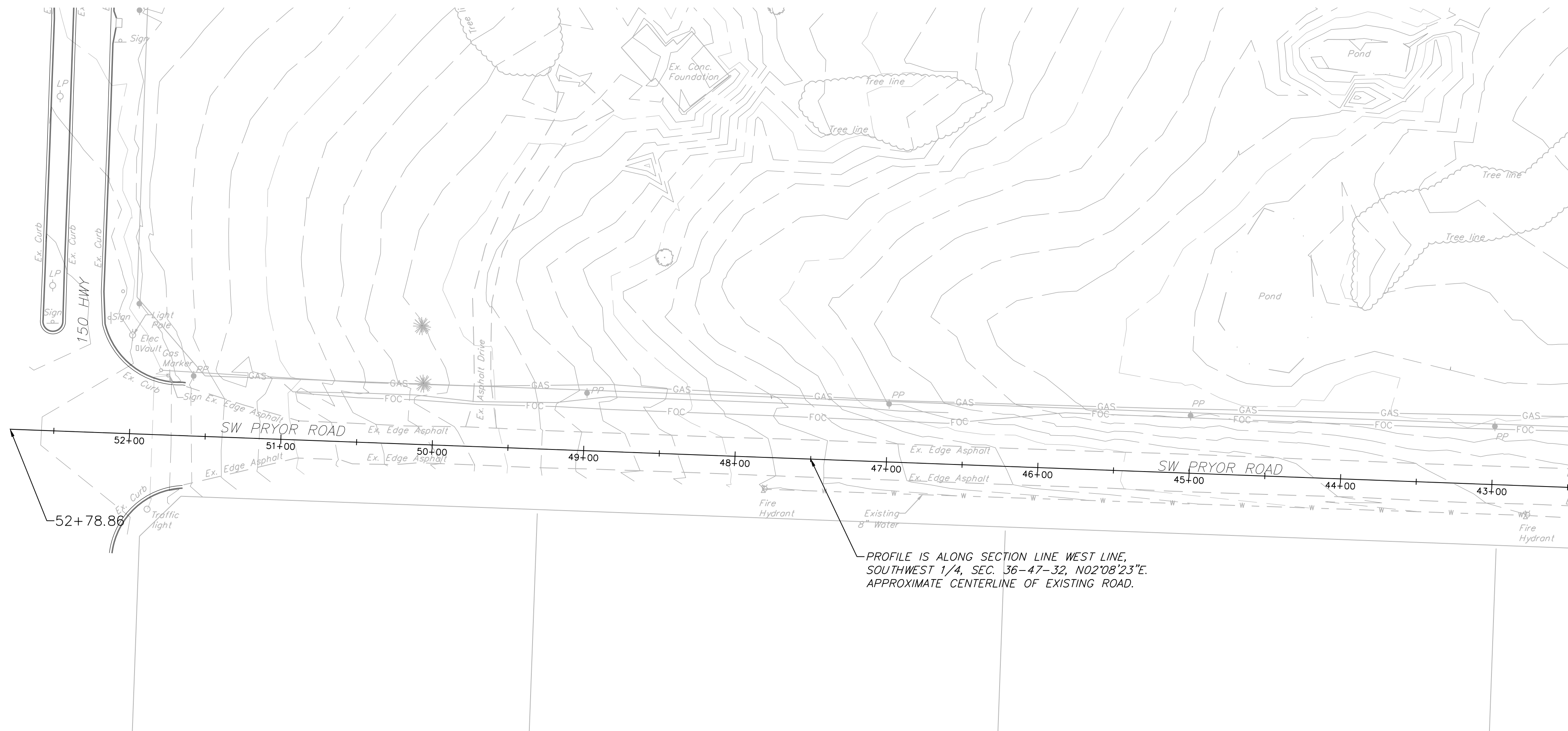
Owner: MYERS JORDAN & LINDSEY  
Zoning: AG  
Land Use: Undeveloped

The Reserve at Stoney Creek - 4th Plat  
Lee's Summit, Jackson County, Missouri

Spot Elevations  
Construction Plans for:  
The Reserve at Stoney Creek - 4th Plat  
Lee's Summit, Jackson County, Missouri

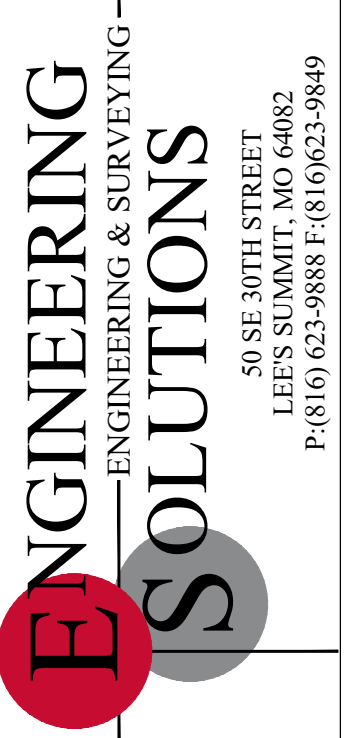
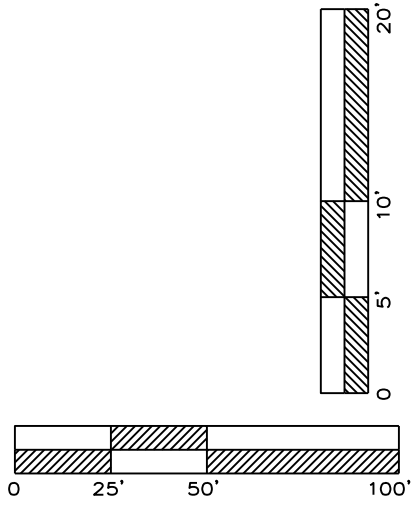
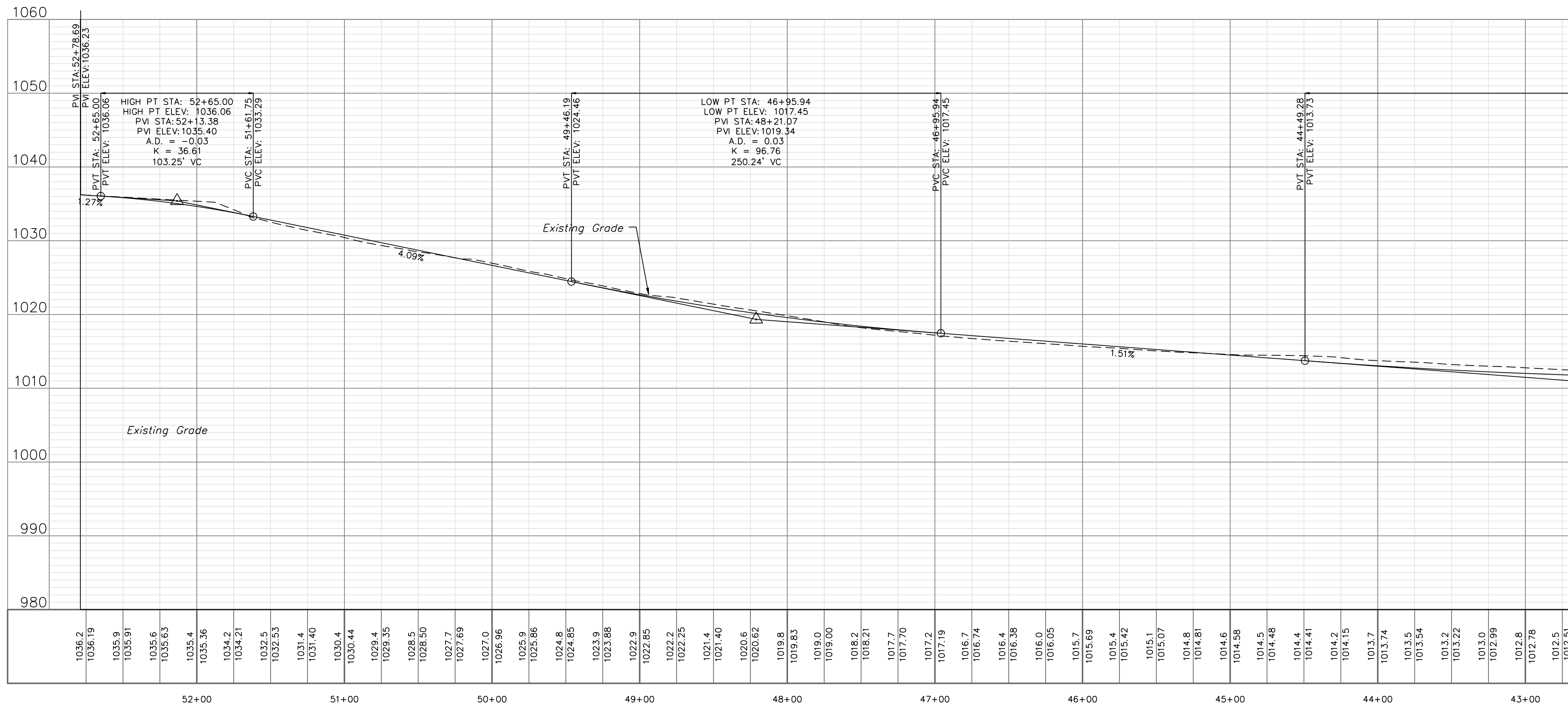
Matthew J. Schlicht  
MO PE 2006019708  
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| REVISIONS    |  |
|--------------|--|
| REV. 6/26/19 |  |
| REV. 7/11/19 |  |
| REV. 7/31/19 |  |



EXISTING ROADWAY PLAN SW PRYOR ROAD  
SCALE: 1" = 50'

PROFILE IS ALONG SECTION LINE WEST LINE,  
SOUTHWEST 1/4, SEC. 36-47-32, N02°08'23"E.  
APPROXIMATE CENTERLINE OF EXISTING ROAD.



Professional Registration  
Missouri  
Engineering 2005002188-D  
Surveying 200500319-D  
Kansas  
Engineering E-1895  
Surveying LS-218  
Oklahoma  
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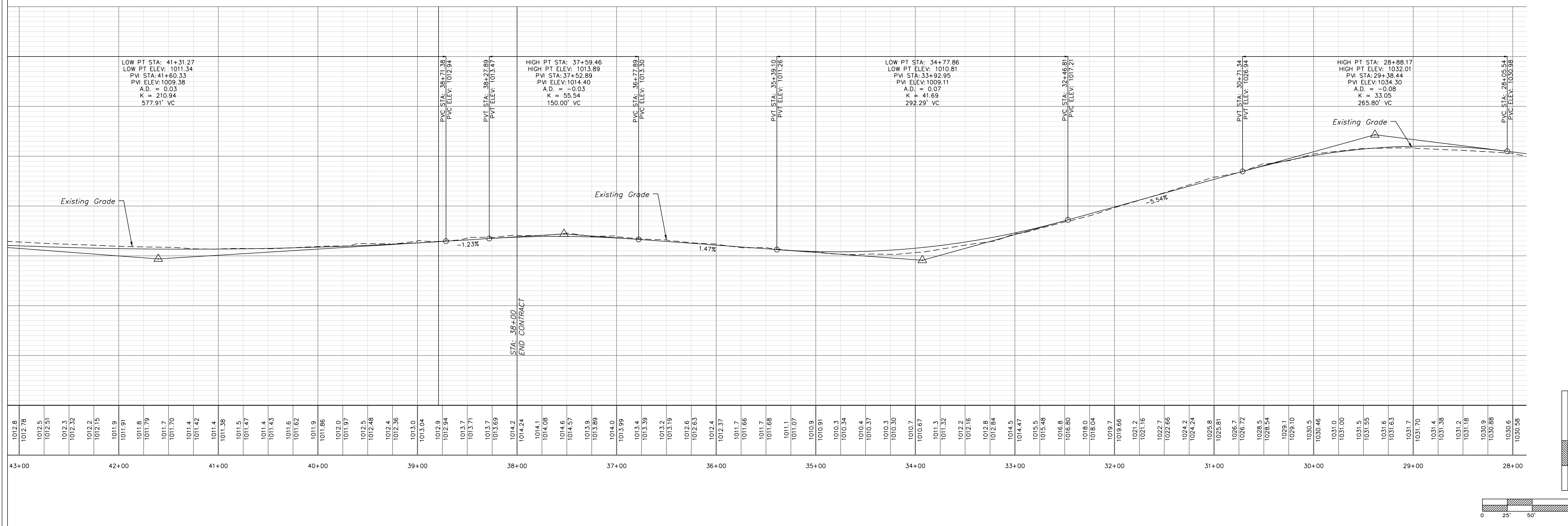
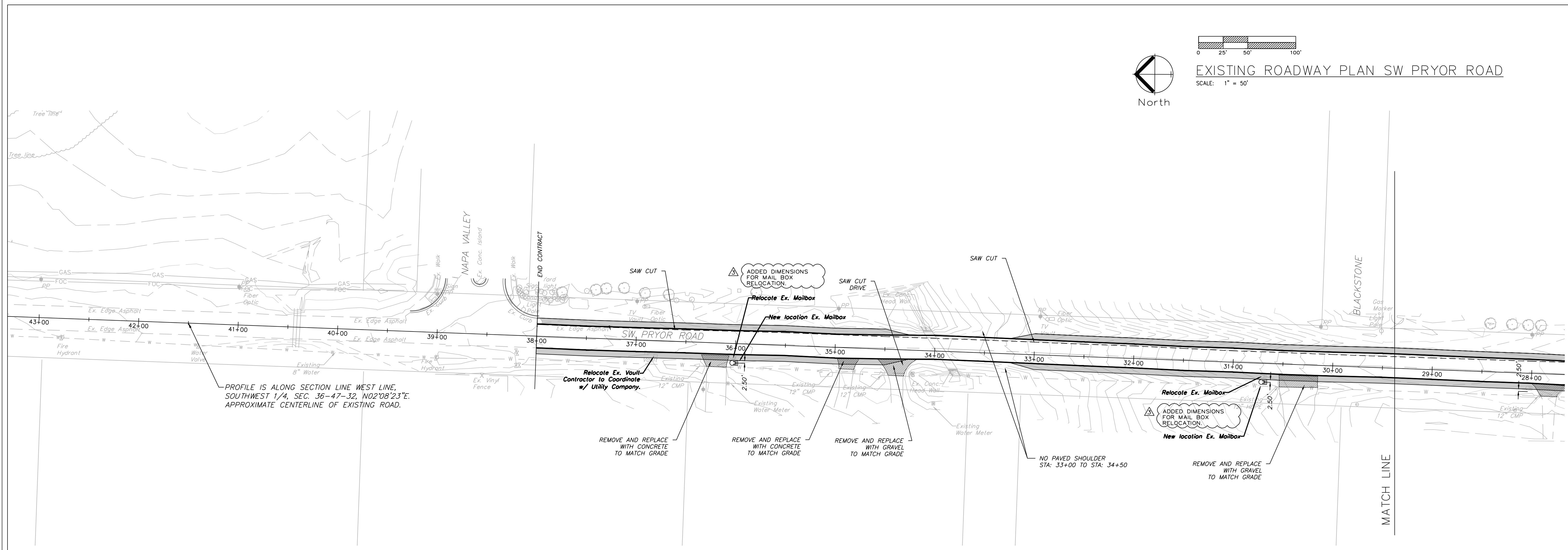
The Reserve at Stoney Creek - 4th Plat  
Lee's Summit, Jackson County, Missouri

Project:  
The Reserve at Stoney Creek - 4th Plat  
Surveyed:  
October, 2018

Existing Roadway Plan  
Construction Plans for:  
The Reserve at Stoney Creek - 4th Plat  
Lee's Summit, Jackson County, Missouri

Matthew J. Schlicht  
MO PE 2006019708  
KS PE 19071  
OK PE 25526

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ENGINEERING SOLUTIONS

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Nebraska  
Engineering CA2821

Existing Roadway Plan

Construction Plans for:

The Reserve at Stoney Creek - 4th Plat

Lee's Summit, Jackson County, Missouri

Matthew J. Schlicht

MO PE 2006019708

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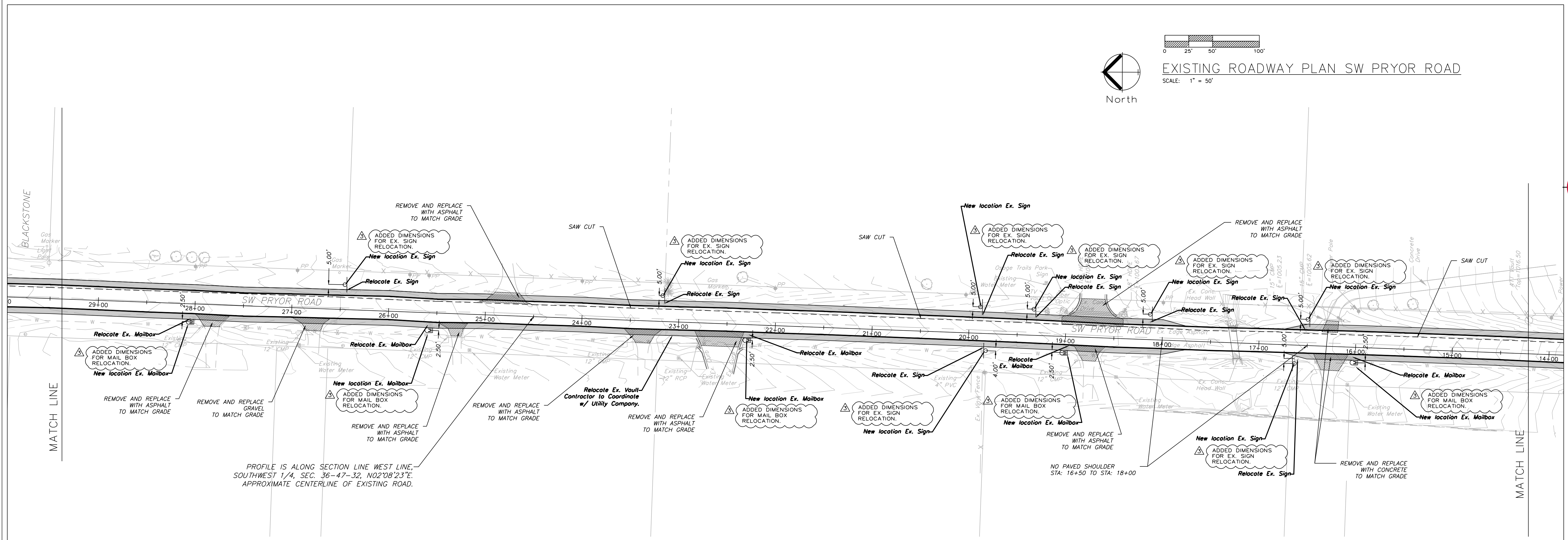
REVISIONS

REV. 6/26/19

REV. 7/11/19

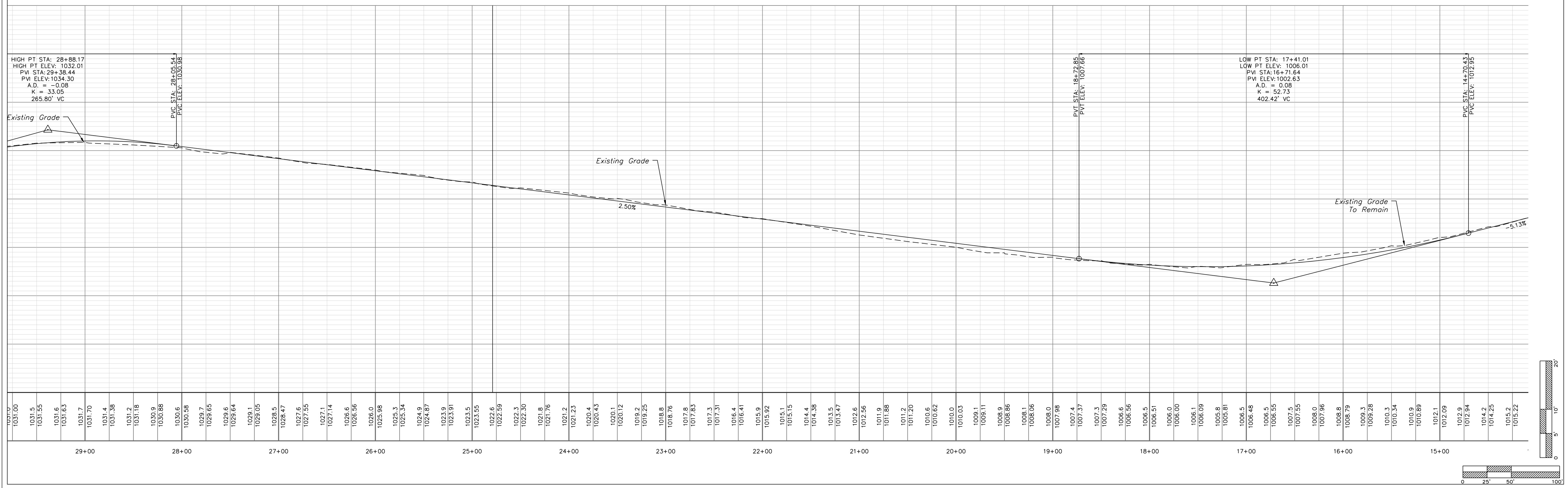
REV. 7/31/19

C.255



PROFILE IS ALONG SECTION LINE WEST LINE,  
SOUTHWEST 1/4, SEC. 36-47-32, N02°08'23"E  
APPROXIMATE CENTERLINE OF EXISTING ROAD.

# PRYOR ROAD



**ENGINEERING SOLUTIONS**  
ENGINEERING & SURVEYING  
50 SE 30TH STREET  
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Surveying 200500319-D  
Kansas  
Engineering E-1895  
Surveying LS-219  
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Engineering CA2821

Existing Roadway Plan  
Construction Plans for:  
The Reserve at Stoney Creek - 4th Plat  
Lee's Summit, Jackson County, Missouri

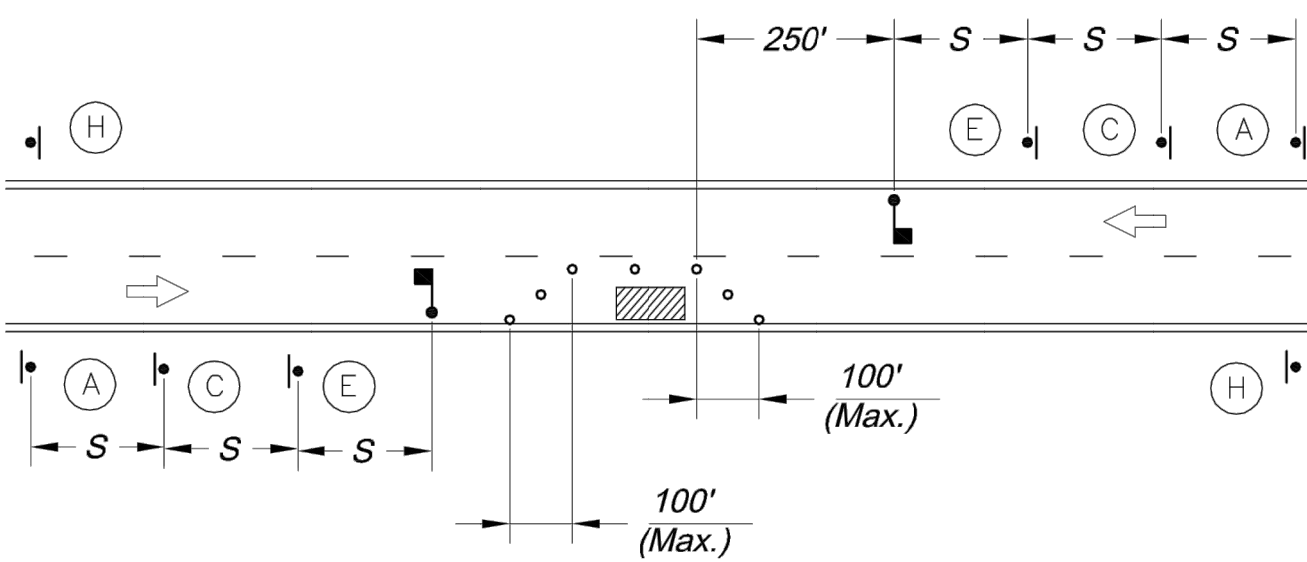
Matthew J. Schlicht  
MO PE 2006019708  
KS PE 19071  
OK PE 25528

REVISIONS  
REV. 6/26/19  
REV. 7/11/19  
REV. 7/31/19

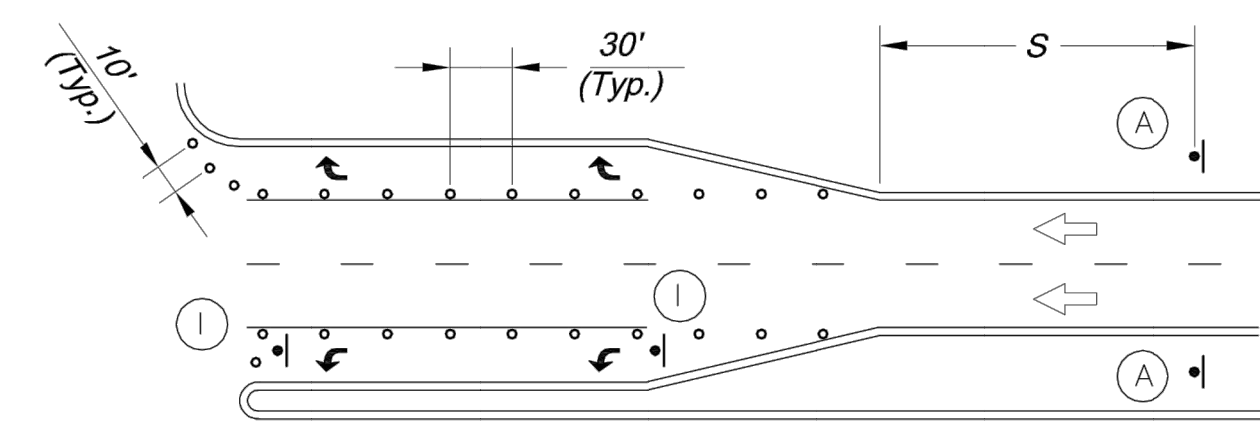
C. 256



|                                                                                   |                       |                                                                                   |               |
|-----------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------|---------------|
|  | - Work Area           |  | - Channelizer |
|  | - Sign                |  | - Arrow Panel |
|  | - Barricade           |  | - Flagger     |
|  | - Direction of Travel |                                                                                   |               |



*\* Install Signs Every 200 Feet Throughout the Closed Lane or As Needed*



| Sign Spacing "S"  |                |
|-------------------|----------------|
| Speed Limit (mph) | Spacing (Feet) |
| 25                | 100            |
| 30 - 35           | 250            |
| ≥ 40              | 350            |

| Taper Dimensions (Feet) |                                                 |     |     |                                      |
|-------------------------|-------------------------------------------------|-----|-----|--------------------------------------|
| Speed Limit<br>(mph)    | Minimum Taper Length "L",<br>per Lane Width "W" |     |     | Minimum<br>Number of<br>Channelizers |
|                         | 10                                              | 11  | 12  |                                      |
| 25                      | 105                                             | 115 | 125 | 6                                    |
| 30                      | 150                                             | 165 | 180 | 7                                    |
| 35                      | 205                                             | 225 | 245 | 8                                    |
| 40                      | 270                                             | 295 | 320 | 9                                    |
| 45                      | 450                                             | 495 | 540 | 13                                   |

| Guidelines for Length of Longitudinal Buffer Space "B" |               |
|--------------------------------------------------------|---------------|
| Speed Limit (mph)                                      | Length (Feet) |
| 25                                                     | 35            |
| 30                                                     | 55            |
| 35                                                     | 85            |
| 40                                                     | 120           |
| 45                                                     | 170           |

| Maximum Channelizer Spacing |                     |                      |
|-----------------------------|---------------------|----------------------|
| Speed Limit (mph)           | Within Taper (Feet) | Outside Taper (Feet) |
| 25                          | 25                  | 50                   |
| 30                          | 30                  | 60                   |
| 35                          | 35                  | 70                   |
| 40                          | 40                  | 80                   |
| 45                          | 45                  | 90                   |

|                        |                        |                        |                         |                         |                        |
|------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|
|                        |                        |                        |                         |                         |                        |
| (A) W20-1<br>36" x 36" | (B) W20-2<br>36" x 36" | (C) W20-4<br>36" x 36" | (D) W20-5R<br>36" x 36" | (E) W20-7a<br>36" x 36" | (F) W1-4L<br>36" x 36" |
|                        |                        |                        |                         |                         |                        |
| (G) W4-2R<br>36" x 36" | (H) G20-2<br>36" x 18" | (I) R3-2<br>24" x 24"  | (J) R4-7a<br>24" x 30"  | (K) R11-2<br>48" x 30"  | (L) R11-4<br>60" x 30" |

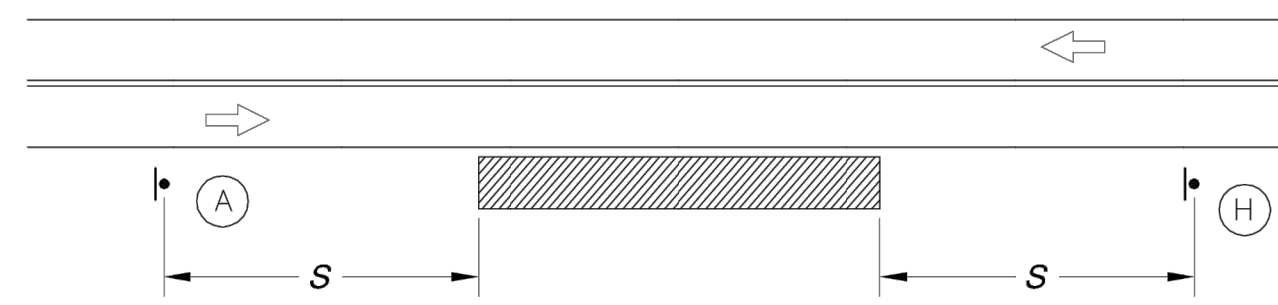
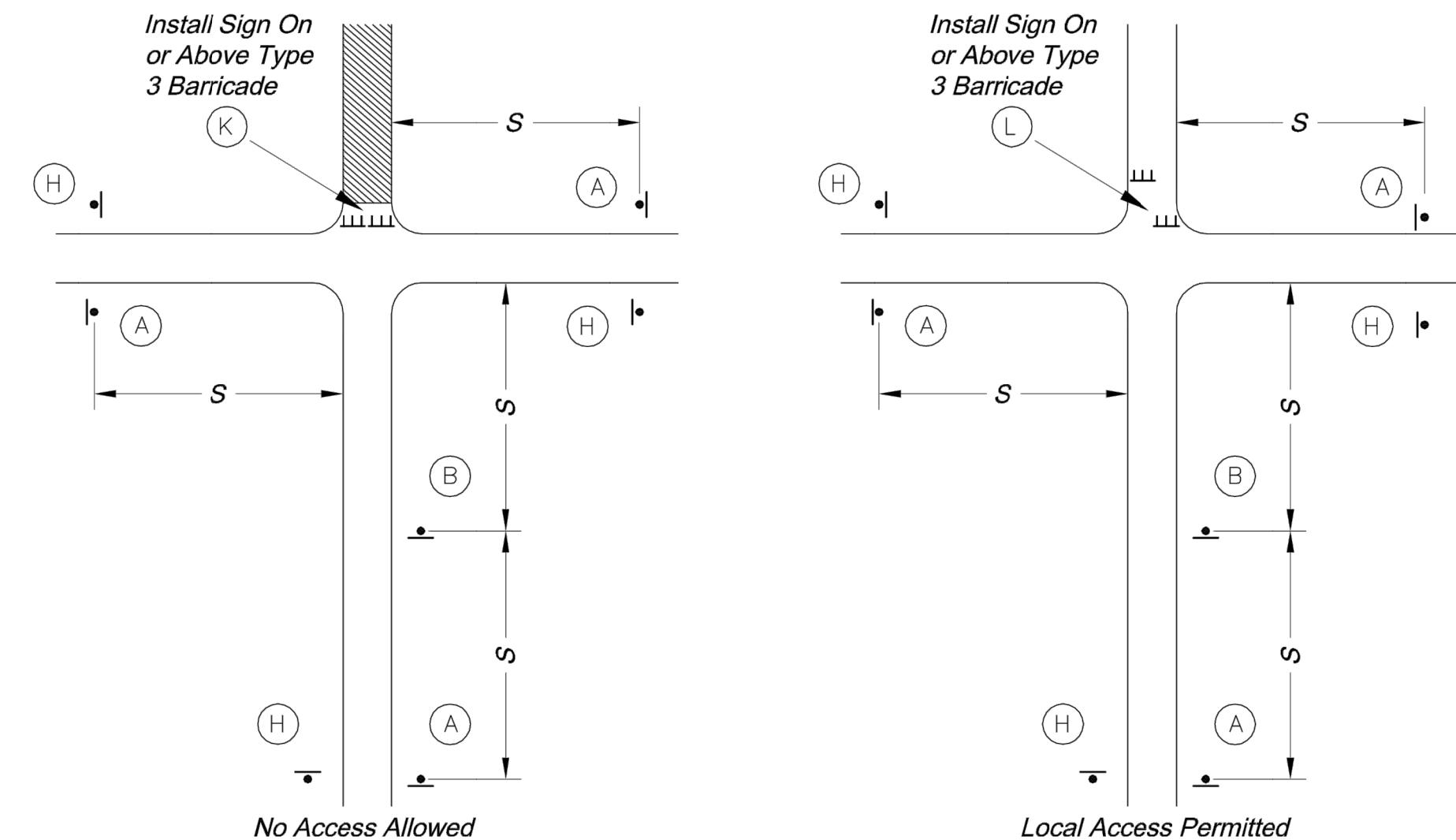


Diagram illustrating a center turn lane configuration with a 100' section. The diagram shows a three-lane road with a center turn lane. A 100-foot section is highlighted with a hatched pattern. Within this section, there is a "CENTER LANE ONLY" sign (R3-9b) and a "CENTER TURN LANE" sign (R3-9b). The diagram also shows various lane markings, including dashed lines and arrows, and labels for different sections: S, L, B, and 100'. Other labels include H, J, I, A, F, and N.

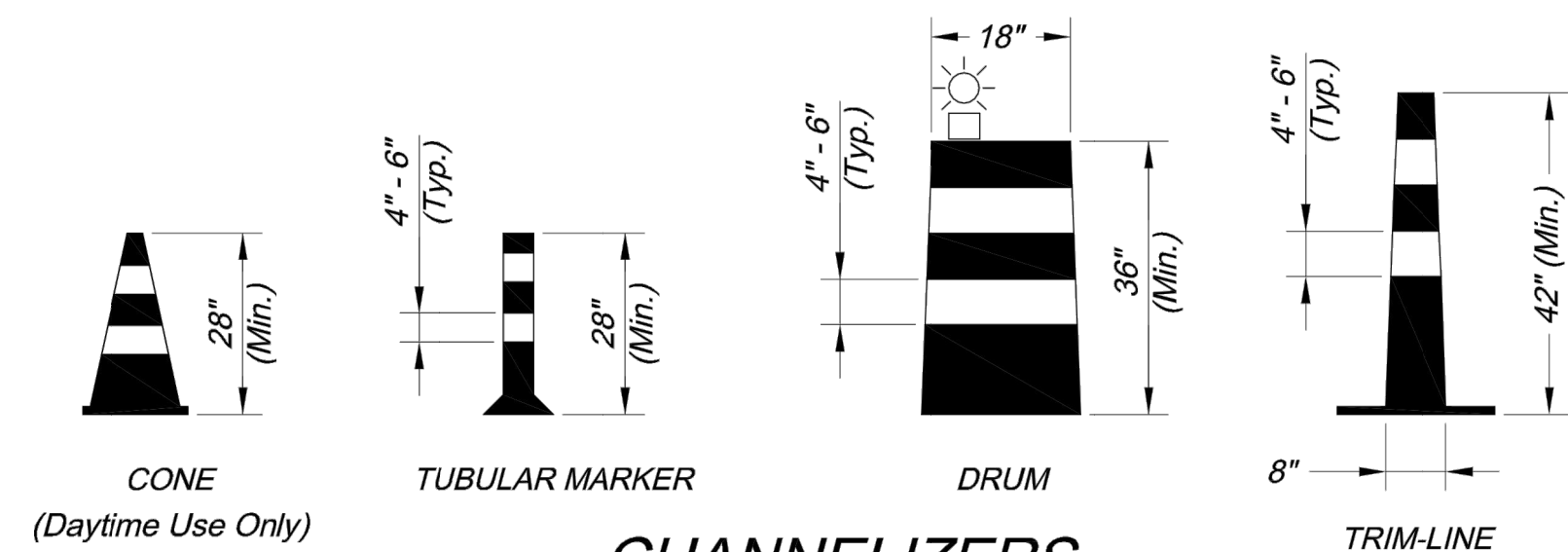
**NOTE:**  
 All Center Turn Lane Signs  
 (MUTCD No. R3-9B) Shall  
 Be Covered During Lane Closure

\* Install Signs Every 200 Feet Throughout the Closed Lane or As Needed

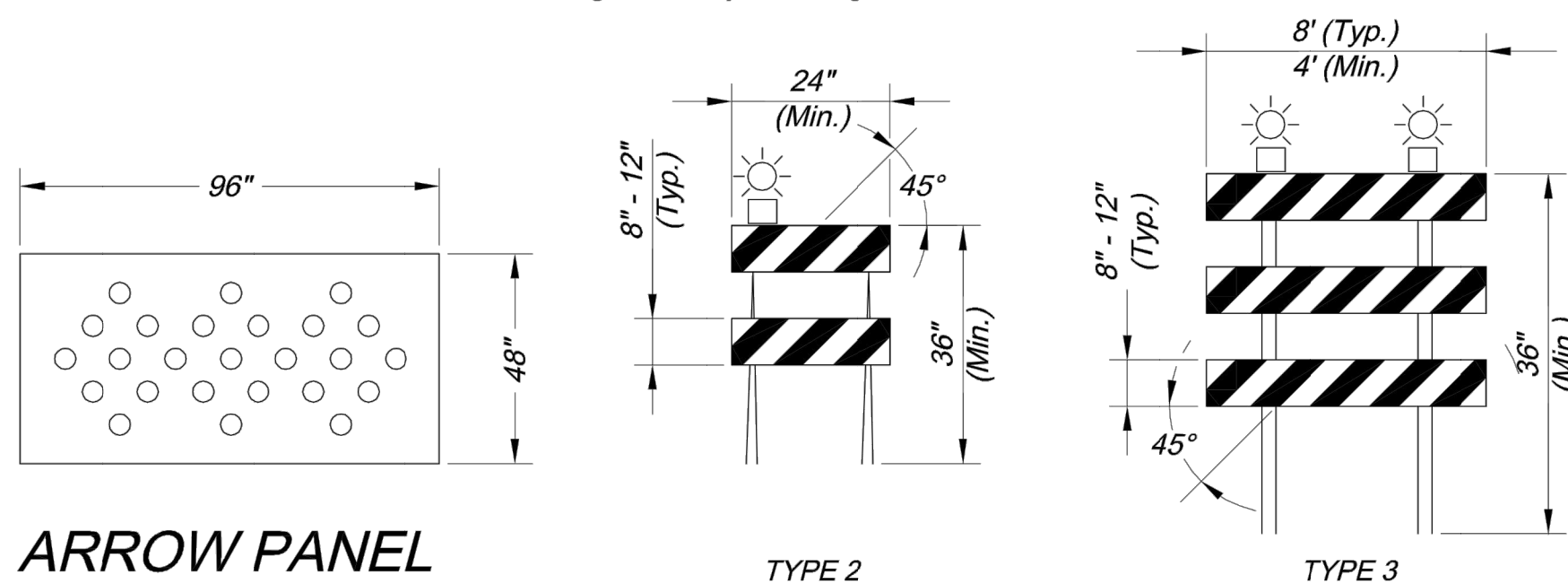


\_\_\_\_\_

1. All signs, barricades, channelizers, markings and other traffic control devices shall conform to the latest edition of the *Manual on Uniform Traffic Control Devices (MUTCD)*.
2. All traffic control devices shall be standard in size, shape, color, and message, in good condition, and retro-reflectORIZED. All signs shall be securely mounted with height and lateral location as described in the MUTCD.
3. Warning lights shall be used on barricades in place at night and on warning signs which alert drivers about a change in alignment, traffic control, lane closure, or road closure.
4. Flaggers shall be used where indicated on the plans, where construction vehicles interact with normal traffic, or where construction activities impose a restriction on traffic, as directed by the City Traffic Engineer. Where flaggers are used, advance signing shall be erected as shown in the details or as specified in the MUTCD. Flaggers shall meet the requirements in the MUTCD in regard to character, training, attire, and behavior.
5. Trim-lines are the City's preferred channelizing device. Cones may not be used at nighttime.
6. Traffic control devices not in use or not applicable shall be either covered or removed from the work area.
7. The Contractor shall use barricades, street plates, or fencing as needed to effectively shield pedestrian and vehicular traffic from exposed objects, excavations, and construction activities.
8. Access shall be maintained to all driveways and side streets unless noted otherwise on the plans.
9. No street shall be closed without the approval of the City Traffic Engineer. The Contractor shall notify the City Traffic Engineer at least 7 days in advance of any street closure. If a detour route around the closure is to be provided, all detour signing shall be as shown on a plan approved by the City Traffic Engineer.
10. Construction vehicles parked along streets shall be located within the work area (traffic control) or where otherwise normally permitted. Construction materials, including traffic control and vehicles shall not restrict sight distance for vehicles exiting at streets or drives.
11. Construction materials shall be kept off of sidewalks, consolidated in one location within City right-of-way, and removed daily unless otherwise approved by the Inspector. Dirt, mud, and other construction debris on streets and sidewalks shall be removed immediately.
12. The Contractor shall not perform any work that will restrict vehicular traffic in any way between the hours of 7:00 a.m. and 9:00 a.m. or 4:00 p.m. and 6:00 p.m. Monday through Friday unless otherwise indicated in the specifications.
13. All travel lanes should be at least 11 feet wide unless otherwise authorized by the City Traffic Engineer. A "Narrow Lanes" sign shall be installed in advance of a lane width reduction to less than 11 feet.
14. All edge drop-offs of more than 2 inches and less than 4 inches should be protected by a wedge or barrier and all edge drop-offs greater than 4 inches shall have edge protection (see Traffic Control Specifications for edge treatment requirements).
15. The "Workers" symbolic sign (MUTCD No. W21-1a) may be used instead of the "Road Work Ahead" sign for work with a duration of 12 hours or less. The "End Road Work" sign is not required to be installed after the "Workers" sign.
16. No traffic signal shall be altered or modified in any way without a plan approved by the City Traffic Engineer.
17. The Contractor shall be responsible for maintaining all traffic control devices on an around-the-clock basis, whether or not work is actively being pursued and any deficiencies noted shall be corrected immediately.
18. The traffic control requirements shown on these plans are minimum requirements only and do not attempt to address in depth the variety of situations that may occur once construction has started. In no way do the requirements shown on these plans relieve the Contractor of his responsibility for selecting the proper traffic control devices and implementation procedures that will assure the safety of drivers, pedestrians, and workers at all times.
19. Should the contractor fail to enforce the traffic control plan or fail to clean, replace or otherwise maintain the traffic control devices when directed to do so by the City Traffic Engineer or representative, the City may take one or more of the following actions:
  - A) Employ another agency to correct deficiencies in traffic control devices and deduct the cost from the Contractor's pay estimate,
  - B) Stop the work until deficiencies are corrected,
  - C) Suspend all pay estimates until deficiencies are corrected, or
  - D) Place the Contractor in default.



*NOTE: White Bands On Barricades and Channelizers Shall Be Made From High Intensity Sheeting Material.*



## TYPE 2

*TYPE 3*

Project:

## TRAFFIC CONTROL DETAILS

STANDARD DRAWING TC-1



CITY OF LEE'S SUMMIT  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DIVISION  
220 SE GREEN STREET  
LEE'S SUMMIT, MISSOURI 64063  
PHONE: (816) 969-1800 FAX: (816) 969-1809

x OF x



## TRAFFIC CONTROL DETAILS

Construction Plans for:  
The Reserve at Stoney Creek - 4th Plat  
Lee's Summit, Jackson County, Missouri

Project:  
THE RESERVE  
AT STONEY  
CREEK 4TH PLAT

Issue Date:  
October , 2018

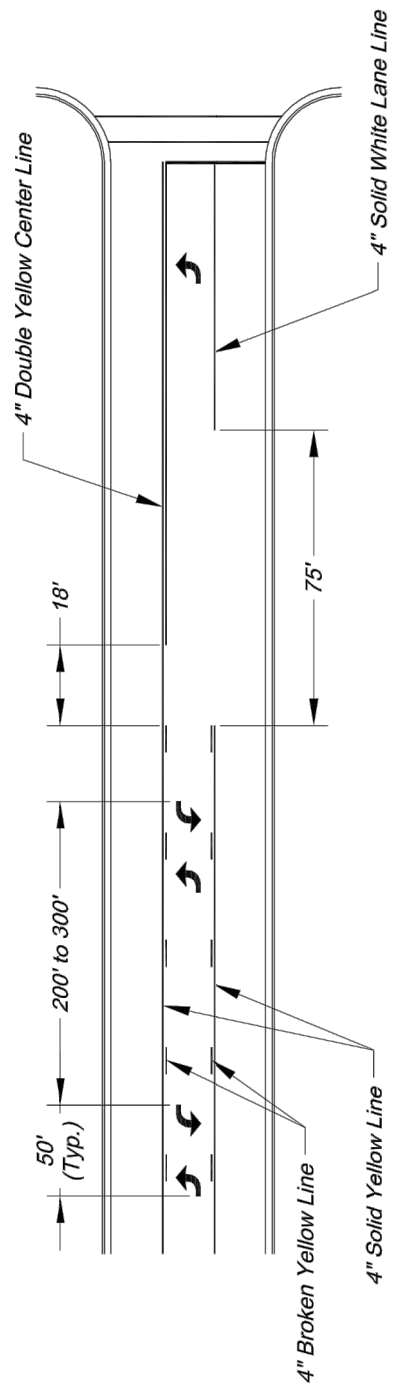
The Reserve at Stoney Creek - 4th Plat  
Lee's Summit, Jackson County, Missouri

**Professional Registration**  
Missouri  
*Engineering 2005002186-D*  
*Surveying 2005008319-D*  
Kansas  
*Engineering E-1695*  
*Surveying LS-218*  
Oklahoma  
*Engineering 6254*  
Nebraska  
*Engineering CA2821*

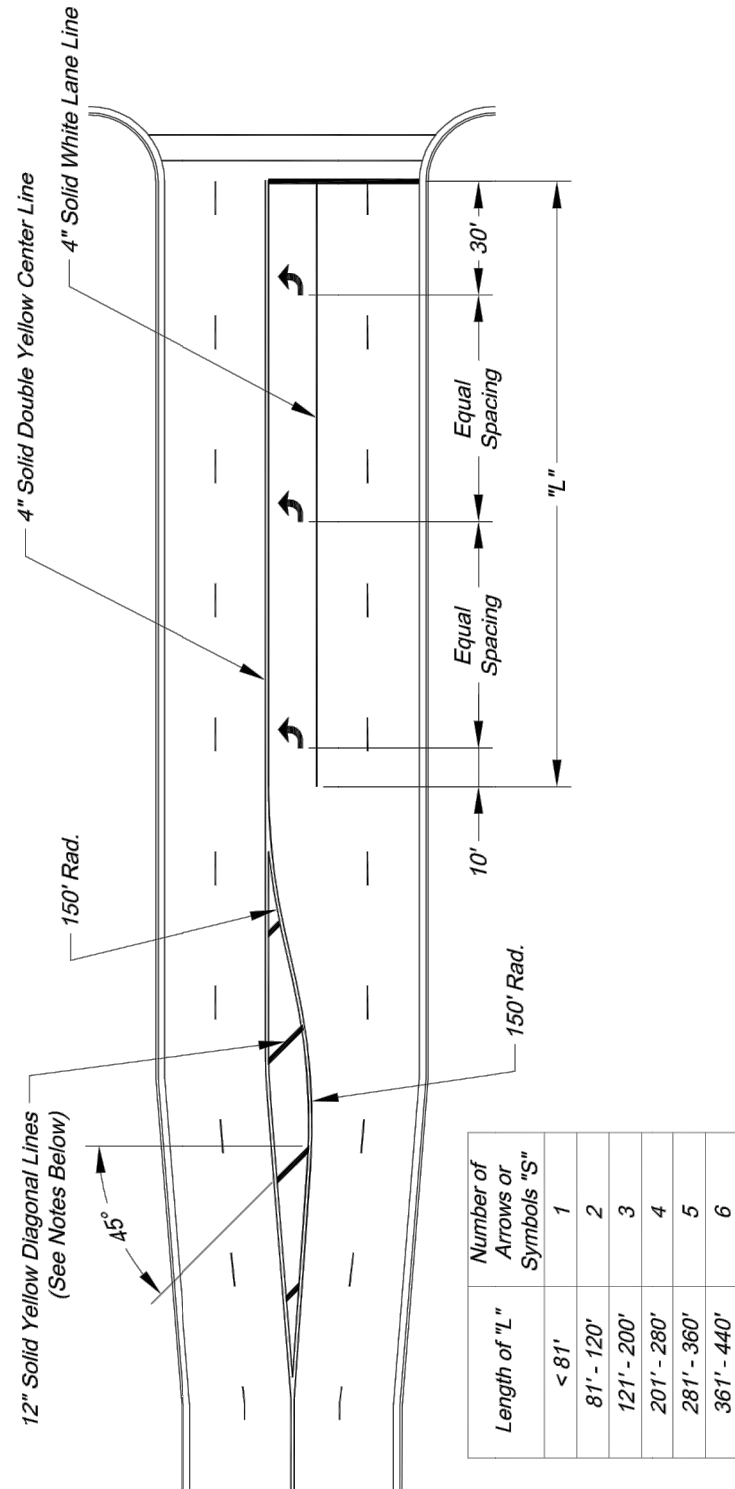


**ENGINEERING**  
—ENGINEERING & SURVEYING—  
**SOLUTIONS**

50 SE 30TH STREET  
LEE'S SUMMIT, MO 64082  
P: (816) 623-9888 F: (816) 623-9849

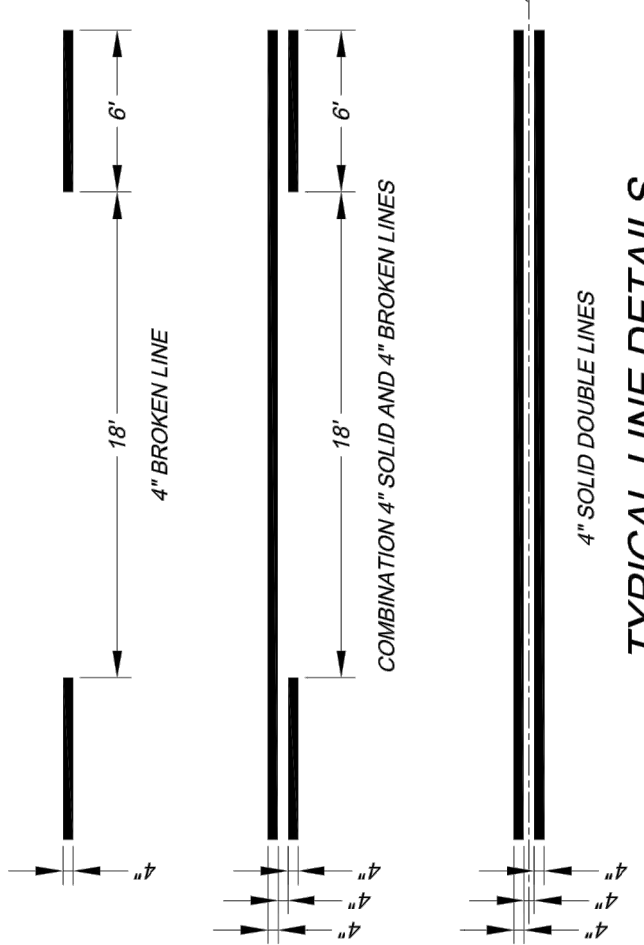


TYPICAL MARKINGS FOR TWO-WAY LEFT-TURN LANE



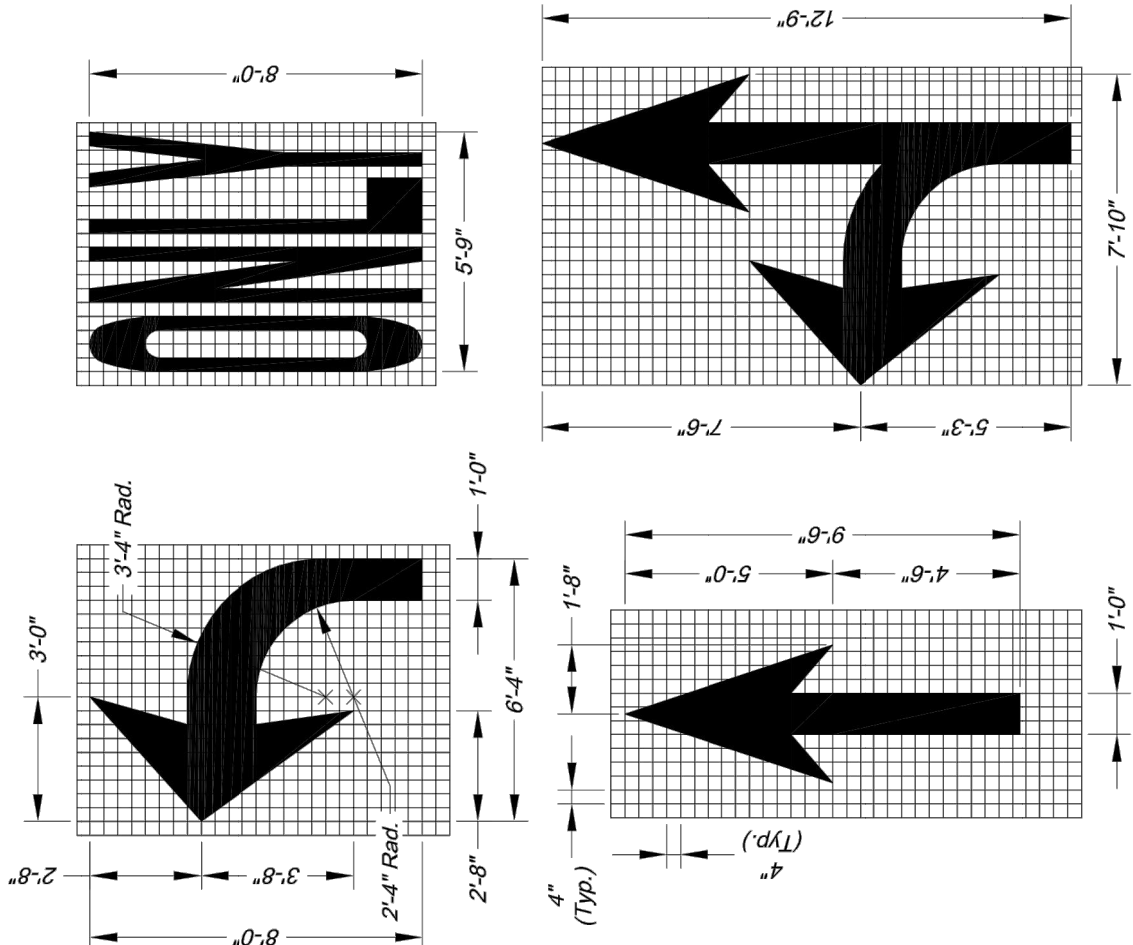
TYPICAL TURN LANE MARKINGS

- NOTES:
- Diagonal lines are required between centerlines if the width of the area between the center lines is greater than 12 feet. The length of the area between centerlines is greater than 12 feet.
  - Diagonal lines should be used if the width of the area between centerlines is greater than 12 feet.
  - Equal Spacing is calculated as  $(L - 40) / (S - 1)$ .
  - When a through lane of traffic terminates as a mandatory turn lane, Arrow and "ONLY" symbols should be marked in the turn lane, in alternating order. The first and last symbols should be Arrows.



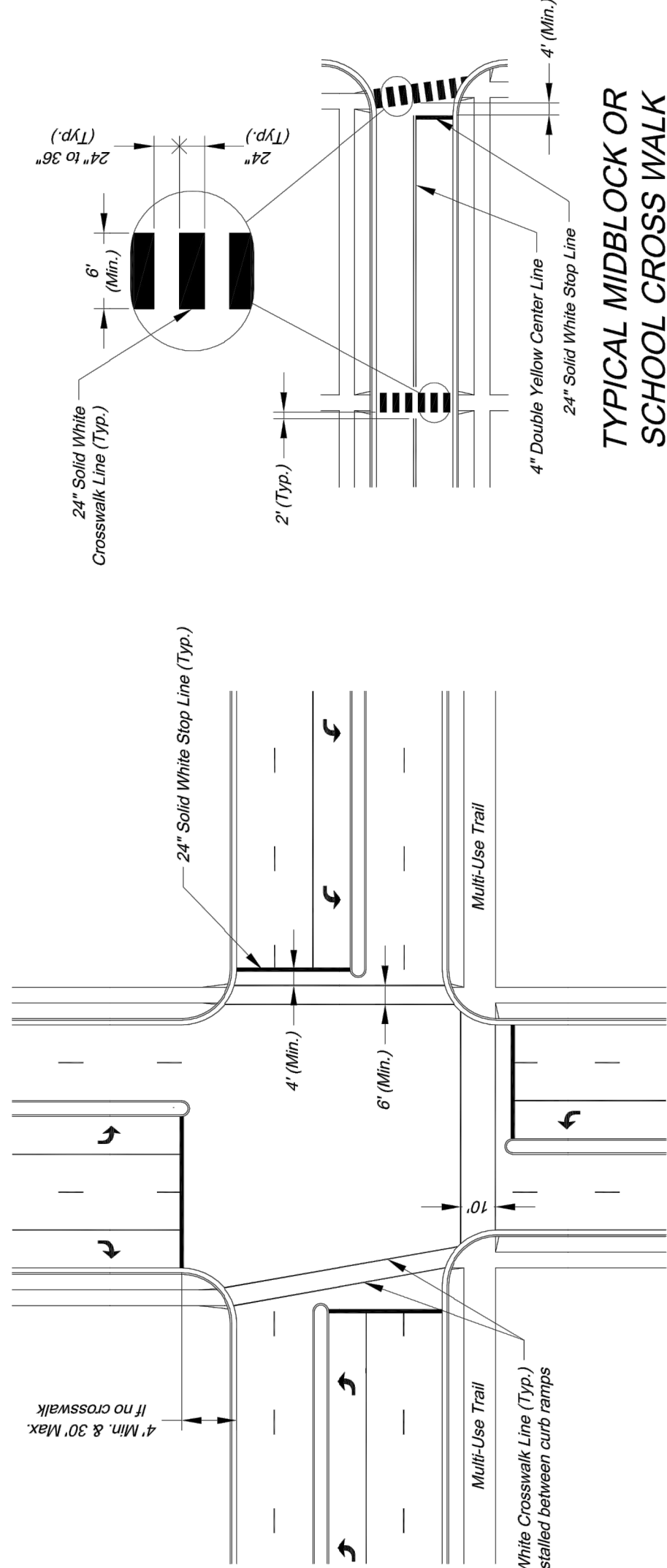
TYPICAL LINE DETAILS

- NOTES:
- All arrow and symbol markings shall be white, and shall be centered in their respective traffic lanes.
  - Edge lines shall be continuous solid white or yellow lines. Right side edge lines shall be solid white. Median or left side edge lines on divided roadways are to be solid yellow. Edge lines and center lines shall be continuous across driveways.



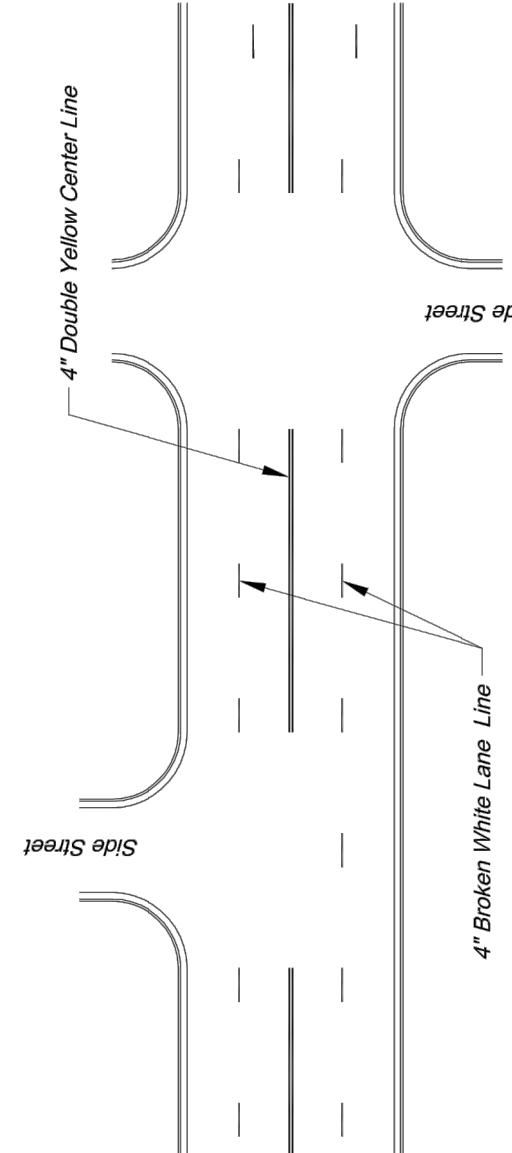
ARROW AND SYMBOL DETAILS

- NOTES:
- All arrow and symbol markings shall be white, and shall be centered in their respective traffic lanes.
  - Right-turn and combination right-turn/straight arrows are reverse of arrows shown.

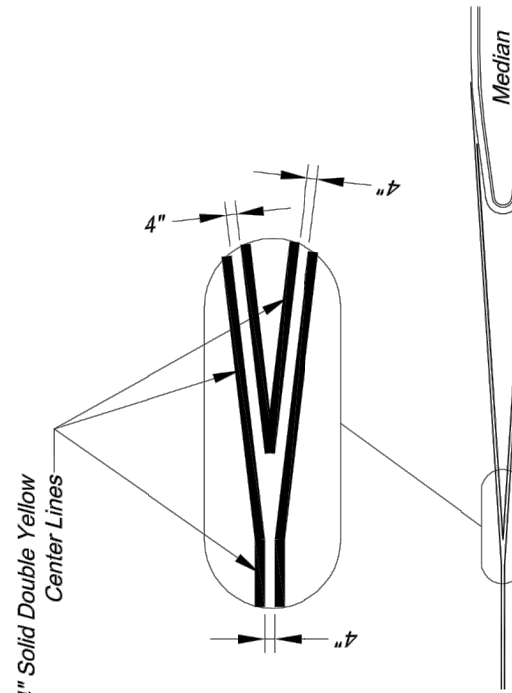


TYPICAL INTERSECTION MARKINGS

- NOTES:
- Transverse crosswalk lines shall be installed such that the distance between lines is at least 6 or 10 feet.
  - Stop lines are required at signalized intersections, on multi-lane stop controlled approaches, or in front of crosswalks at corner intersections.

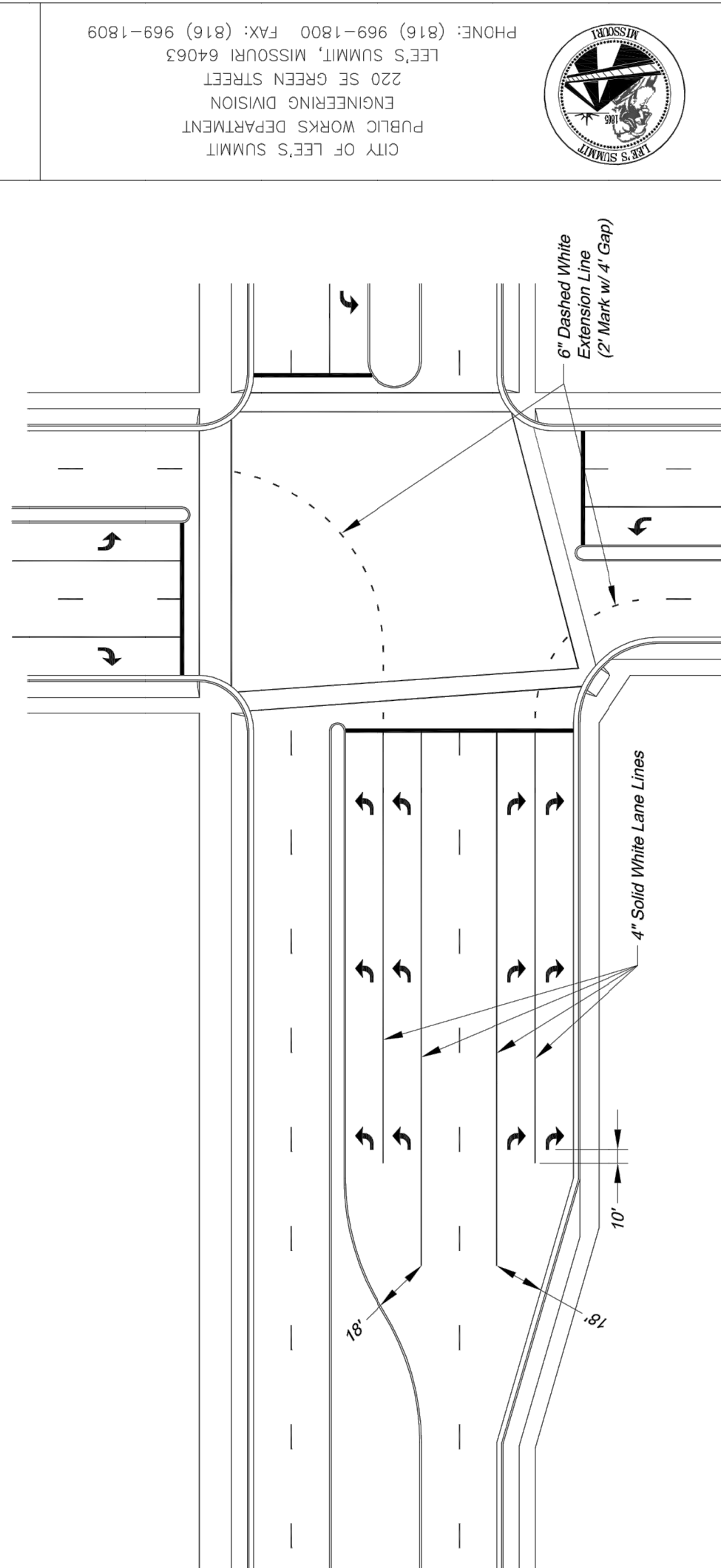


TYPICAL MARKINGS FOR FOUR-LANE UNDIVIDED ROADWAY



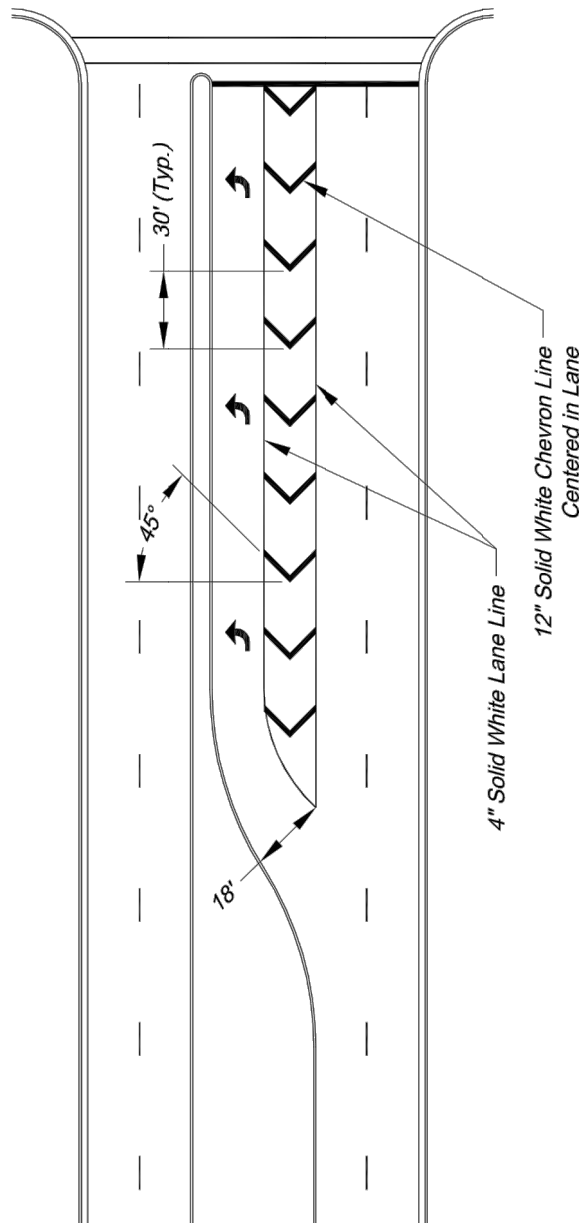
TYPICAL MEDIAN NOSE CENTER LINE DETAIL

- PAVEMENT MARKING GENERAL NOTES:
- All markings shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD).
  - All words and symbols shall conform to the latest edition of Standard Alphabets for Highway Signs and Pavement Markings printed by the U.S. Department of Transportation, Federal Highway Administration.
  - Pavement markings, other temporary or permanent are required at all times if the roadway is open to traffic.
  - When a through lane of traffic terminates as a mandatory turn lane, Arrow and "ONLY" symbols should be marked in the turn lane, in alternating order. The first and last symbols should be Arrows.
  - Contractor's expense.
  - the proposed permanent markings shall be laid out by the Contractor in advance of the marking installation. Markings shall not be installed until the Contractor has been notified by the Engineer that the markings are to be installed.
  - Center lines shall be marked on all undivided arterial streets, and any other undivided street with more than two lanes and/or a speed limit of 30 mph or more.
  - Edge lines shall be marked on all non-curbed streets.



TYPICAL DUAL TURN LANE MARKINGS

- NOTE:
- Dashed extension lines shall not extend through crosswalks.



TYPICAL STRIPED OUT TURN LANE MARKINGS

Drawn By: AS  
Checked By: JM  
Date: 09/09/2009  
Project: 2 OF 2

Project: INTERSECTION MARKING DETAILS  
Sheet Name: STANDARD DRAWING PM-2



CITY OF LEE'S SUMMIT  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DIVISION  
220 SE GREEN STREET  
LEE'S SUMMIT, MISSOURI 64063  
PHONE: (816) 969-1800 FAX: (816) 969-1809

Drawn By: AS  
Checked By: JM  
Date: 09/09/2009  
Project: 1 OF 2

Project: ROADWAY MARKING DETAILS  
Sheet Name: STANDARD DRAWING PM-1

CITY OF LEE'S SUMMIT  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DIVISION  
220 SE GREEN STREET  
LEE'S SUMMIT, MISSOURI 64063  
PHONE: (816) 969-1800 FAX: (816) 969-1809

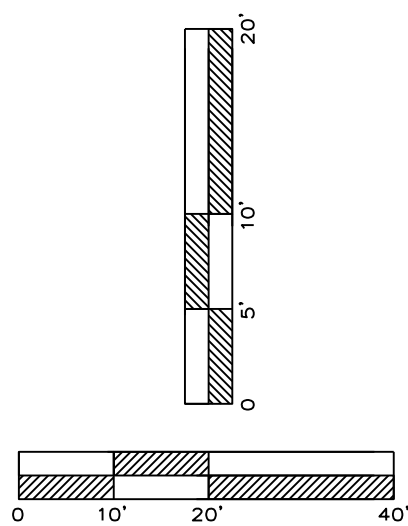
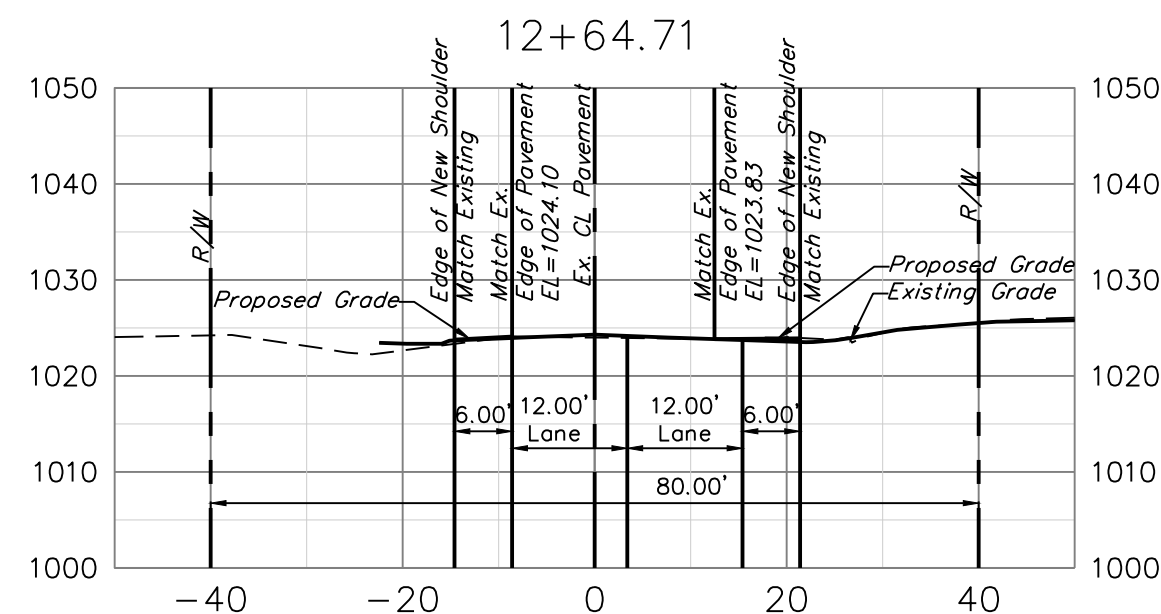
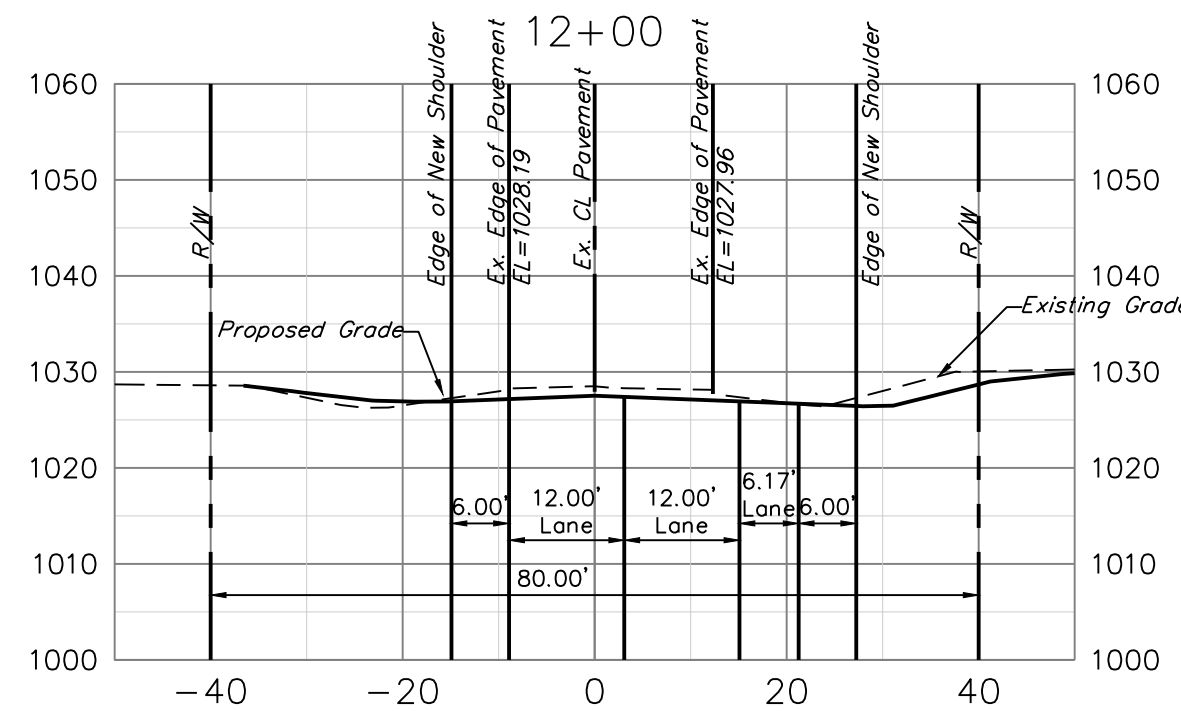
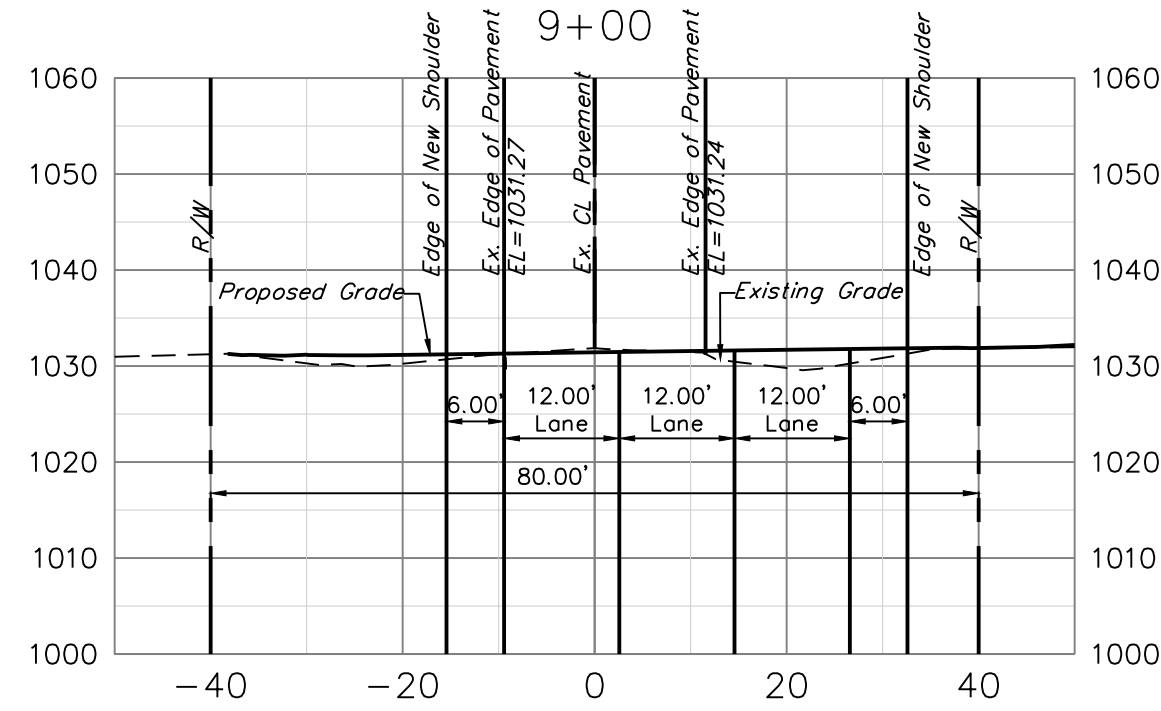
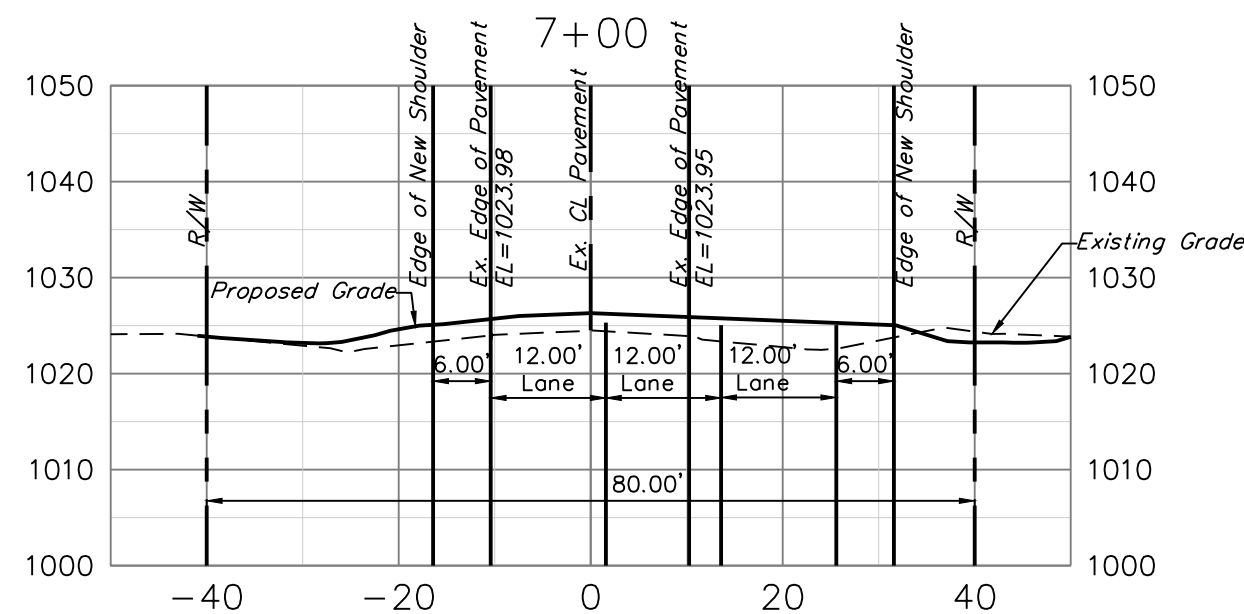
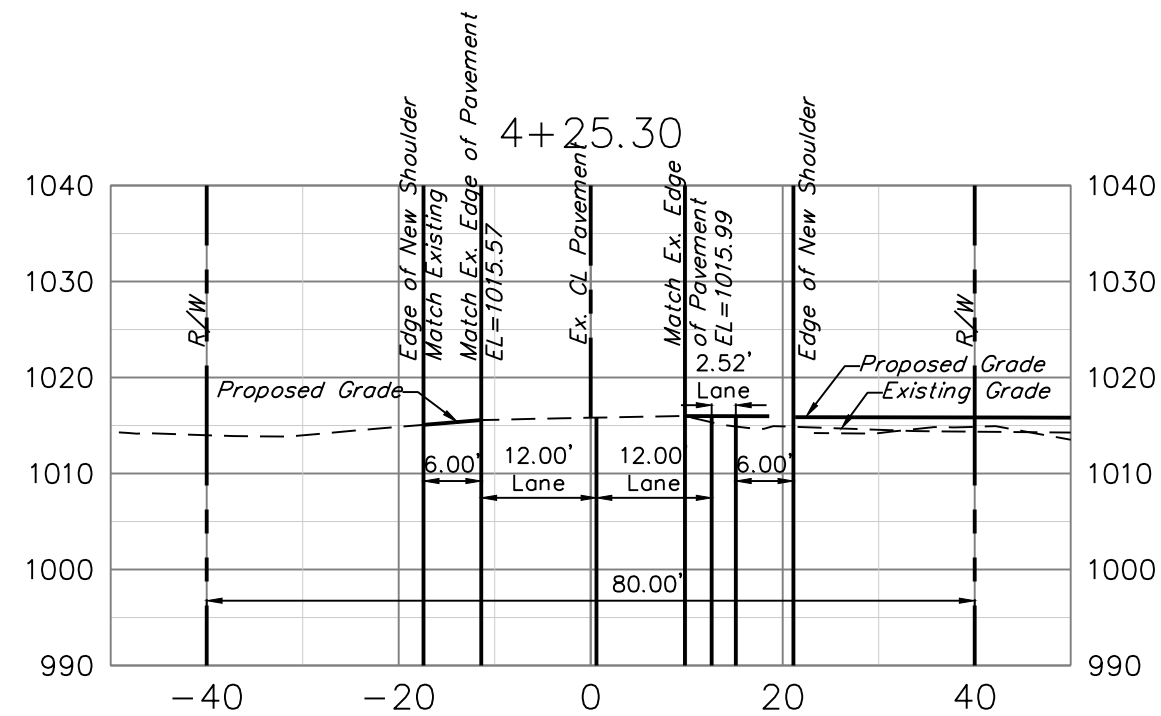
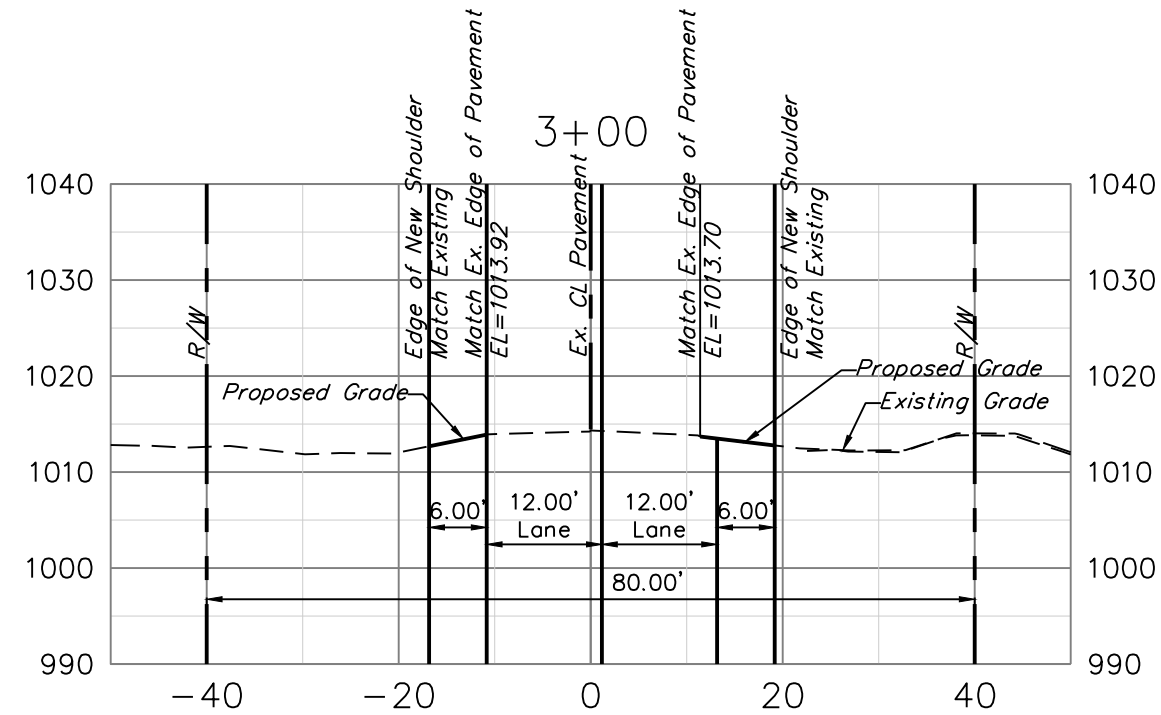
PAVEMENT MARKING DETAILS  
Construction Plans for:  
The Reserve at Stoney Creek - 4th Plat  
Lee's Summit, Jackson County, Missouri

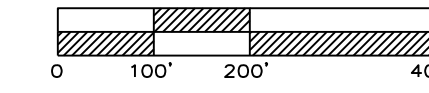
The Reserve at Stoney Creek - 4th Plat  
Lee's Summit, Jackson County, Missouri

Project: THE RESERVE AT STONEY CREEK 4TH PLAT  
Sheet: 2 OF 2  
Date: October, 2018

Matthew J. Schlicht  
MO PE 2006019708  
KS PE 19071  
DE PE 25526  
REVISIONS  
REV. 6/26/19  
REV. 7/11/19  
REV. 7/31/19

ENGINEERING SOLUTIONS  
ENGINEERING & SURVEYING  
50 SE 30TH STREET  
LEE'S SUMMIT, MO 64082  
P: (816) 623-9888 F: (816) 623-9849





TRAFFIC CONTROL PLAN GENERAL LAYOUT

SCALE: 1" = 200'

NOTES:

1. ALL SIGNS TO BE PLACED PER MUTCD MANUAL.
2. A RIGHT-OF-WAY AND TRAFFIC CONTROL PERMIT APPLICATION WILL NEED TO BE COMPLETED PRIOR TO COMMENCEMENT OF THE WORK.
3. A PRE-CONSTRUCTION MEETING IS REQUIRED BETWEEN THE CONTRACTOR AND THE CITY'S FIELD ENGINEERING INSPECTOR PRIOR TO COMMENCEMENT OF ANY WORK.

Professional Registration  
Missouri  
Engineering 2005002188-D  
Surveying 200500319-D  
Kansas  
Engineering E-1696  
Surveying LS-219  
Oklahoma  
Engineering 6254  
Nebraska  
Engineering CA2821

The Reserve at Stoney Creek - 4th Plat  
Lee's Summit, Jackson County, Missouri

Project: RESERVE  
AT STONEY  
CREEK 4TH PLAT  
Issue Date:  
October, 2018

TRAFFIC CONTROL PLAN GENERAL LAYOUT  
Construction Plans for:  
The Reserve at Stoney Creek - 4th Plat  
Lee's Summit, Jackson County, Missouri

Matthew J. Schlicht  
MO PE 2006019708  
KS PE 19071  
OK PE 25526

REVISIONS

- |      |         |
|------|---------|
| REV. | 6/26/19 |
| REV. | 7/11/19 |
| REV. | 7/31/19 |



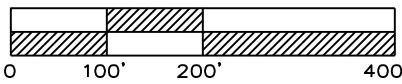
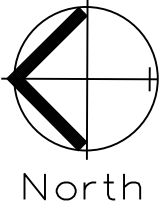
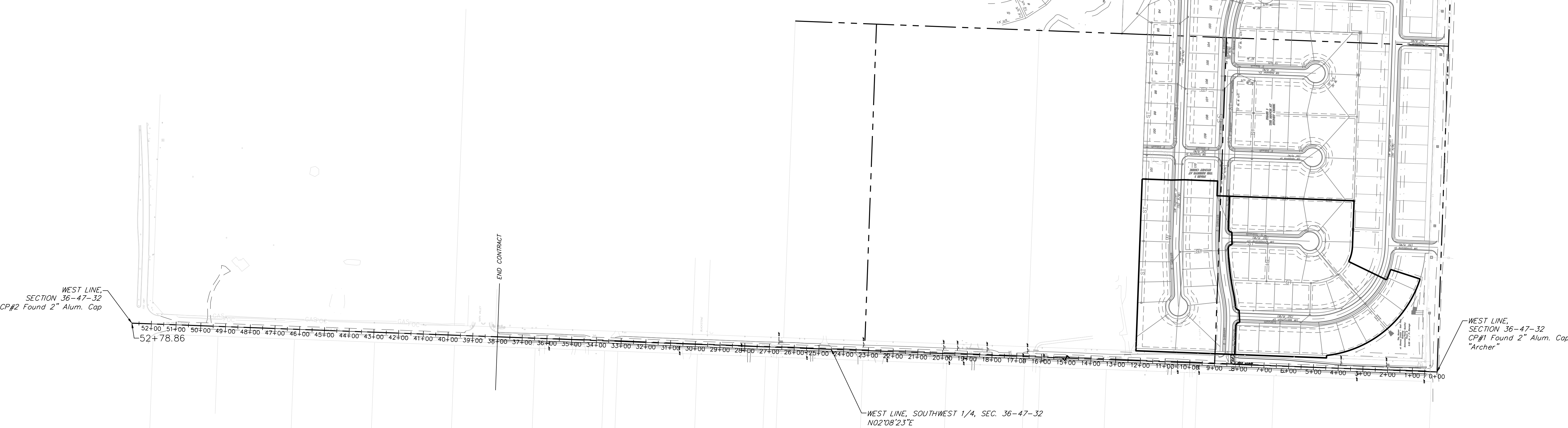
| COORDINATE TABLE |                           |                           |
|------------------|---------------------------|---------------------------|
| STATION          | CENTERLINE COORDINATES    | SECTION LINE COORDINATES  |
| 0+00             | N 973148.37, E 2812091.63 | N 973148.37, E 2812091.63 |
| 1+00             | N 973248.21, E 2812097.75 | N 973248.30, E 2812095.37 |
| 2+00             | N 973348.17, E 2812100.52 | N 973348.23, E 2812099.10 |
| 3+00             | N 973448.11, E 2812103.99 | N 973448.16, E 2812102.84 |
| 4+00             | N 973548.06, E 2812107.33 | N 973548.09, E 2812106.57 |
| 5+00             | N 973647.91, E 2812111.10 | N 973648.02, E 2812110.31 |
| 6+00             | N 973747.90, E 2812115.28 | N 973747.95, E 2812114.04 |
| 7+00             | N 973847.80, E 2812119.62 | N 973847.88, E 2812117.78 |
| 8+00             | N 973947.63, E 2812123.82 | N 973947.81, E 2812121.50 |
| 9+00             | N 974047.64, E 2812127.83 | N 974047.74, E 2812125.24 |
| 10+00            | N 974147.53, E 2812132.65 | N 974147.67, E 2812128.97 |
| 11+00            | N 974247.47, E 2812136.16 | N 974247.60, E 2812132.70 |
| 12+00            | N 974347.37, E 2812139.53 | N 974347.53, E 2812136.44 |
| 13+00            | N 974447.32, E 2812143.85 | N 974447.46, E 2812140.17 |
| 14+00            | N 974547.09, E 2812148.21 | N 974547.39, E 2812143.91 |
| 15+00            | N 974647.15, E 2812152.47 | N 974647.32, E 2812147.64 |
| 16+00            | N 974747.20, E 2812156.06 | N 974747.25, E 2812151.37 |
| 17+00            | N 974847.04, E 2812158.90 | N 974847.18, E 2812155.11 |
| 18+00            | N 974946.99, E 2812162.13 | N 974947.11, E 2812158.84 |
| 19+00            | N 975046.67, E 2812166.20 | N 975047.04, E 2812162.57 |
| 20+00            | N 975146.75, E 2812170.69 | N 975146.97, E 2812166.31 |
| 21+00            | N 975246.68, E 2812174.63 | N 975246.90, E 2812170.04 |
| 22+00            | N 975346.67, E 2812178.18 | N 975346.83, E 2812173.80 |
| 23+00            | N 975446.62, E 2812181.32 | N 975446.76, E 2812177.51 |
| 24+00            | N 975546.49, E 2812185.26 | N 975546.69, E 2812181.24 |
| 25+00            | N 975646.49, E 2812188.66 | N 975646.62, E 2812184.98 |
| 26+00            | N 975746.43, E 2812192.11 | N 975746.55, E 2812188.71 |
| 27+00            | N 975846.40, E 2812194.65 | N 975846.48, E 2812192.44 |
| 28+00            | N 975946.24, E 2812198.20 | N 975946.41, E 2812196.18 |
| 29+00            | N 976046.26, E 2812202.17 | N 976046.34, E 2812199.91 |
| 30+00            | N 976146.21, E 2812205.48 | N 976146.27, E 2812203.64 |
| 31+00            | N 976246.12, E 2812209.53 | N 976246.21, E 2812207.38 |
| 32+00            | N 976345.86, E 2812213.65 | N 976346.14, E 2812211.11 |
| 33+00            | N 976445.77, E 2812217.98 | N 976446.07, E 2812214.84 |
| 34+00            | N 976545.86, E 2812222.29 | N 976546.00, E 2812218.58 |
| 35+00            | N 976645.88, E 2812223.56 | N 976645.93, E 2812222.31 |
| 36+00            | N 976745.82, E 2812227.10 | N 976745.86, E 2812226.05 |
| 37+00            | N 976845.77, E 2812230.10 | N 976845.79, E 2812229.78 |
| 38+00            | N 976945.71, E 2812233.80 | N 976945.72, E 2812233.51 |
| 52+78.86         | N 978423.55, E 2812288.73 | N 978423.55, E 2812288.73 |

←CP#1 Found 2" Alum. Cap "Archer"

←CP#2 Found 2" Alum. Cap

NOTE:

- CENTERLINE OF STREET SECTION IS CREATED FROM THE WEST EDGE OF EXISTING PAVEMENT AND MEASURED 12' EAST.
- STREET SECTION CENTERLINE IS NOT NECESSARILY AT CROWN OF EXISTING ROAD.



STREET ALIGNMENT SHEET

SCALE: 1" = 200'



Professional Registration  
Missouri  
Engineering 2005002185-D  
Surveying 200500019-D  
Kansas  
Engineering E-1895  
Surveying LS-219  
Oklahoma  
Engineering 6254  
Nebraska  
Engineering CA2821

The Reserve at Stoney Creek - 4th Plat  
Lee's Summit, Jackson County, Missouri

Project  
RESERVE  
AT STONEY  
CREEK 4TH PLAT  
Issued  
October, 2018

STREET ALIGNMENT SHEET  
Construction Plans for:  
The Reserve at Stoney Creek - 4th Plat  
Lee's Summit, Jackson County, Missouri

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| REVISIONS |              |
|-----------|--------------|
| △         | REV. 6/26/19 |
| △         | REV. 7/11/19 |
| △         | REV. 7/31/19 |