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

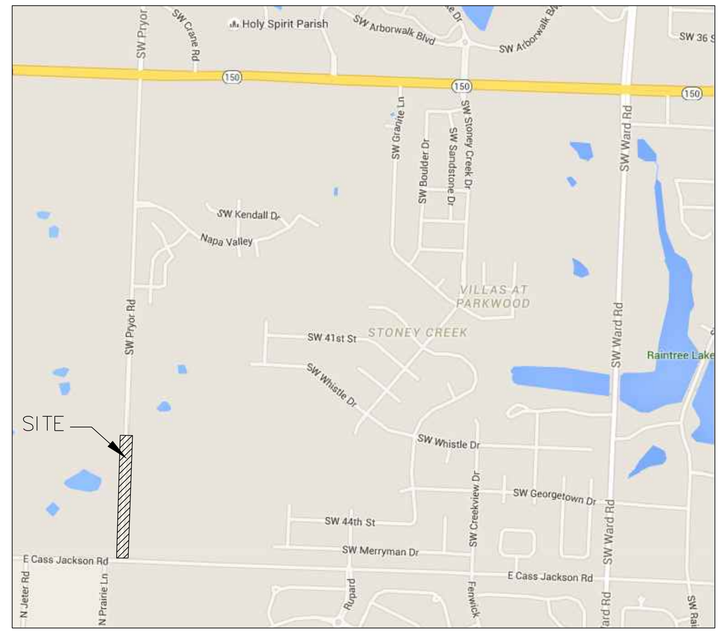
LEGEND:

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

N W E S

UPDATED QUANTITIES.

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:

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

Sue Pyles I have reviewed this document 2022.10.11 09:43:05-05'00'

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.

Accepted
Record Drawings

These plans have been reviewed for accuracy and are accepted for basic conformance to the approved construction drawings.

CITY OF LEE'S SUMMIT, MISSOURI

APPROVED: DATE: _____

BY: _____
CITY ENGINEER

RECORD DRAWING
The information provided on this drawing conforms to construction records; it is not intended for construction, implementation or recording purposes; and it is solely based on information obtained by my firm.

"~~100.00~~ 100.10", "~~1.00%~~ 1.15% slope", or "8-inch ~~HDPE~~ PVC pipe" are all typical examples of revisions that indicate that design data has been replaced with "as-built" information. All other data is as designed and has not been field verified.

Date: 2/4/2022
Certified by: Matthew J. Schlicht
Title: Engineer
Firm: Engineering Solutions

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 2005032186-D
Surveying 2005008319-D
Kansas
Engineering E-1695
Surveying LS-218
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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

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

STATE OF MISSOURI
MATTHEW J. SCHLICHT
NUMBER
PE2006019708
PROFESSIONAL ENGINEER

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

REVISIONS

2/4/2022 As-Built

C.250

North

0 30' 60' 120'

PRE CLEARING PLAN

SCALE: 1" = 60'

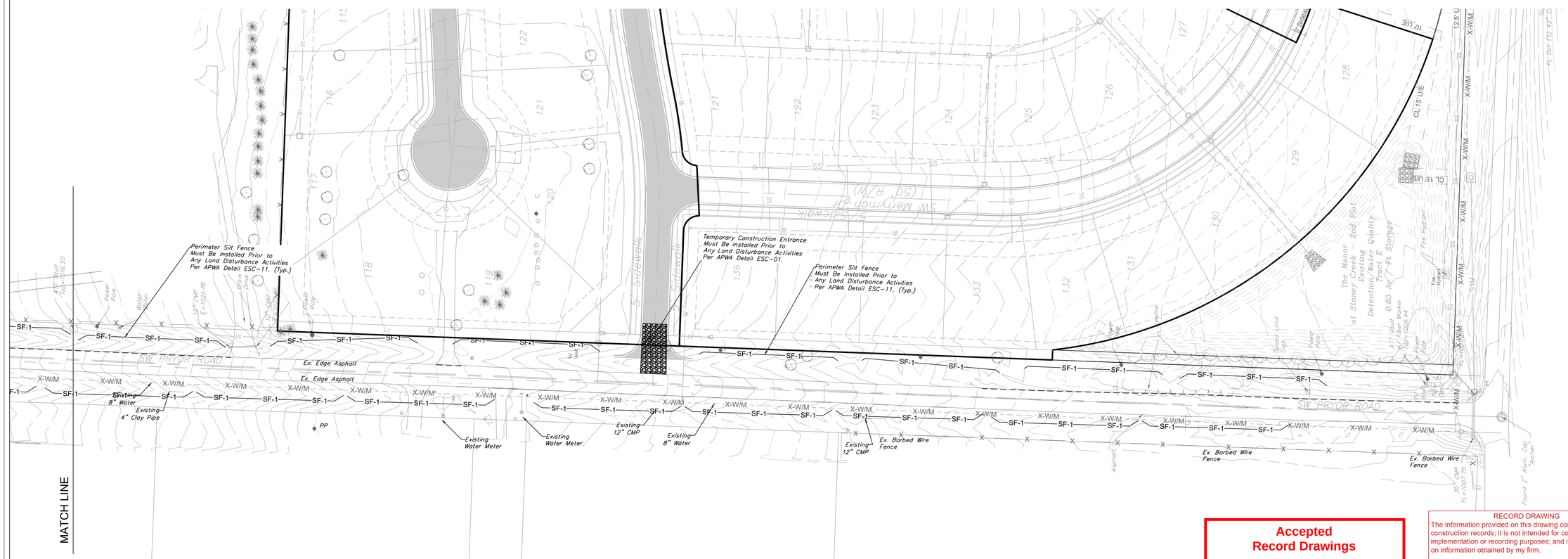
NOTES: The Land Disturbance Plans indicates the Final placement of erosion control devices. The contractor(s) may proceed with construction prior to the final placement of these devices by providing additional devices to control erosion on their items of work. These devices shall be maintained until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

SF-1 — 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.



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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
Issue Date: October 2, 2018

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

STATE OF MISSOURI
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2/4/2022 As-Built

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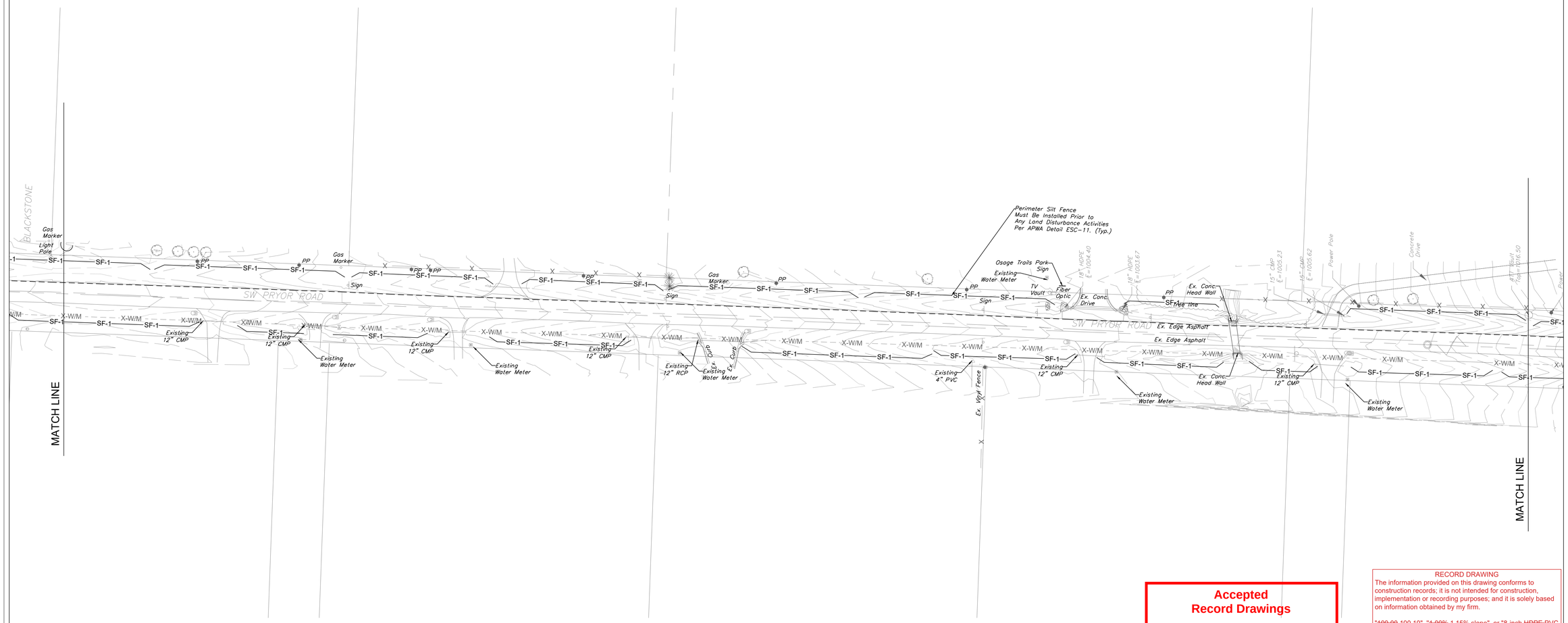

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The Reserve at Stoney Creek - 4th Plat
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Project: THE RESERVE AT STONEY CREEK 4TH PLAT
Issue Date: October , 2018

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

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REVISIONS

2/4/2022 As-Built

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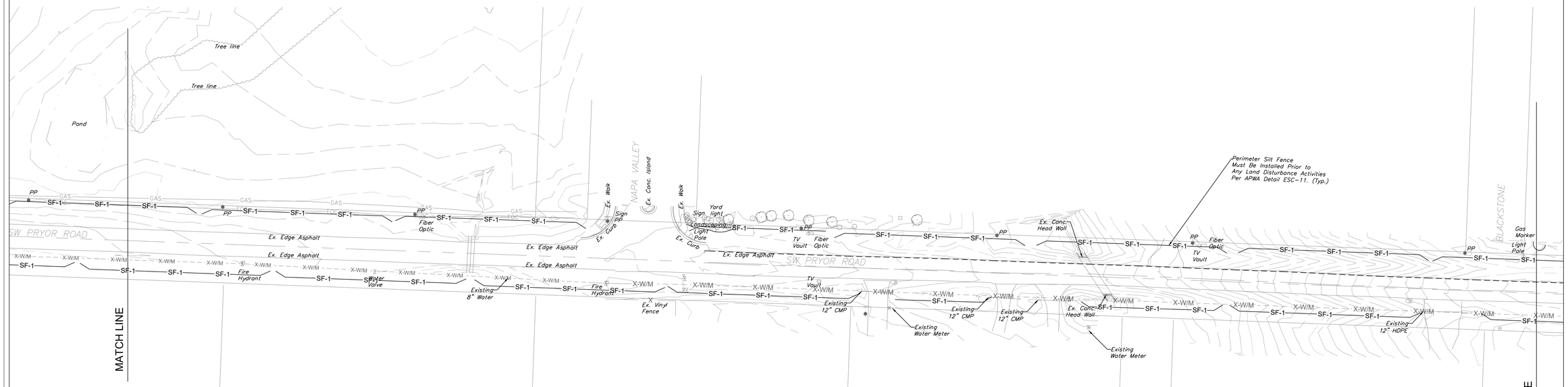

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REVISIONS

2/4/2022 As-Built

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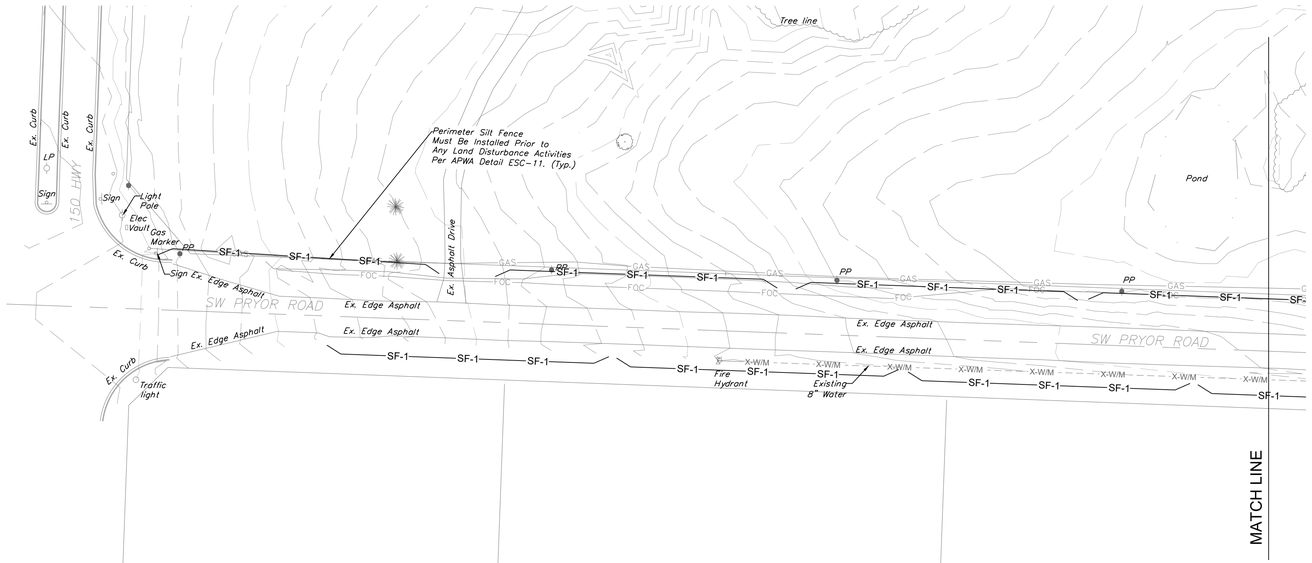

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Lee's Summit, Jackson County, Missouri

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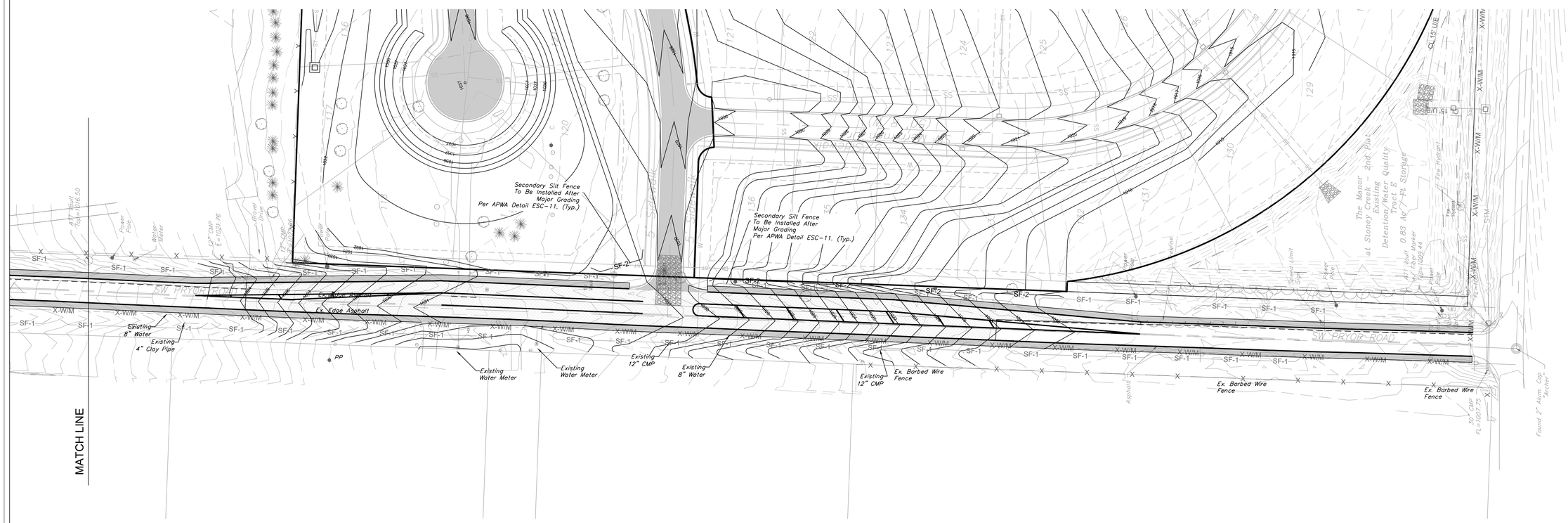

EROSION CONTROL DESCRIPTION:

1.) SILT FENCE SHALL BE PLACE 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.

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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
Issue Date: October , 2018

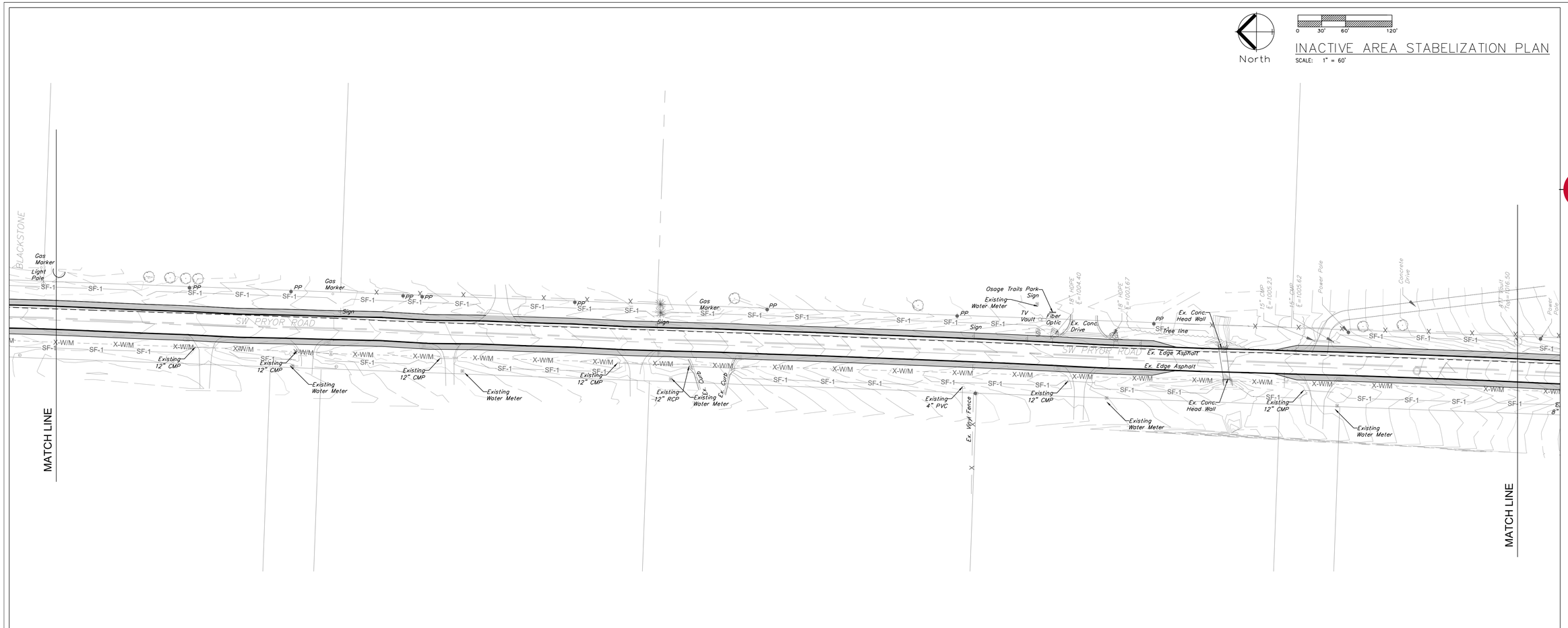
ESC PHASE 2 - Inactive Area Stabilization Plan
Construction Plans for:
The Reserve at Stoney Creek - 4th Plat
Lee's Summit, Jackson County, Missouri

STATE OF MISSOURI
MATTHEW J. SCHLICHT
NUMBER
E-2006019708
PROFESSIONAL ENGINEER

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

REVISIONS
2/4/2022 As-Built

C.051A



EROSION CONTROL DESCRIPTION:

1.) SILT FENCE SHALL BE PLACE 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

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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.

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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:

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- 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.

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C.) INSPECTION AND MAINTENANCE

1.) INSPECT STONE PAD AND SEDIMENT DISPOSAL AREA WEEKLY AND AFTER ANY RAIN EVENT

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PHASE 1 SILT FENCE	SF-1 SF-1
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Kansas
Engineering E-1695
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

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

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Issue Date:
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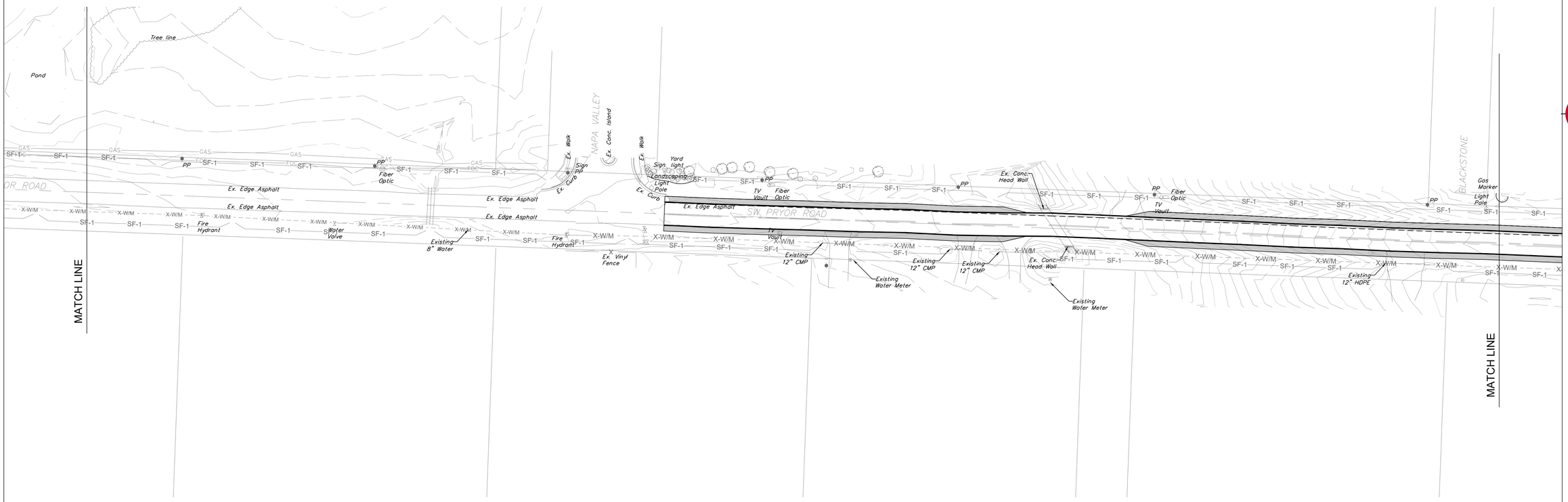

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Oklahoma
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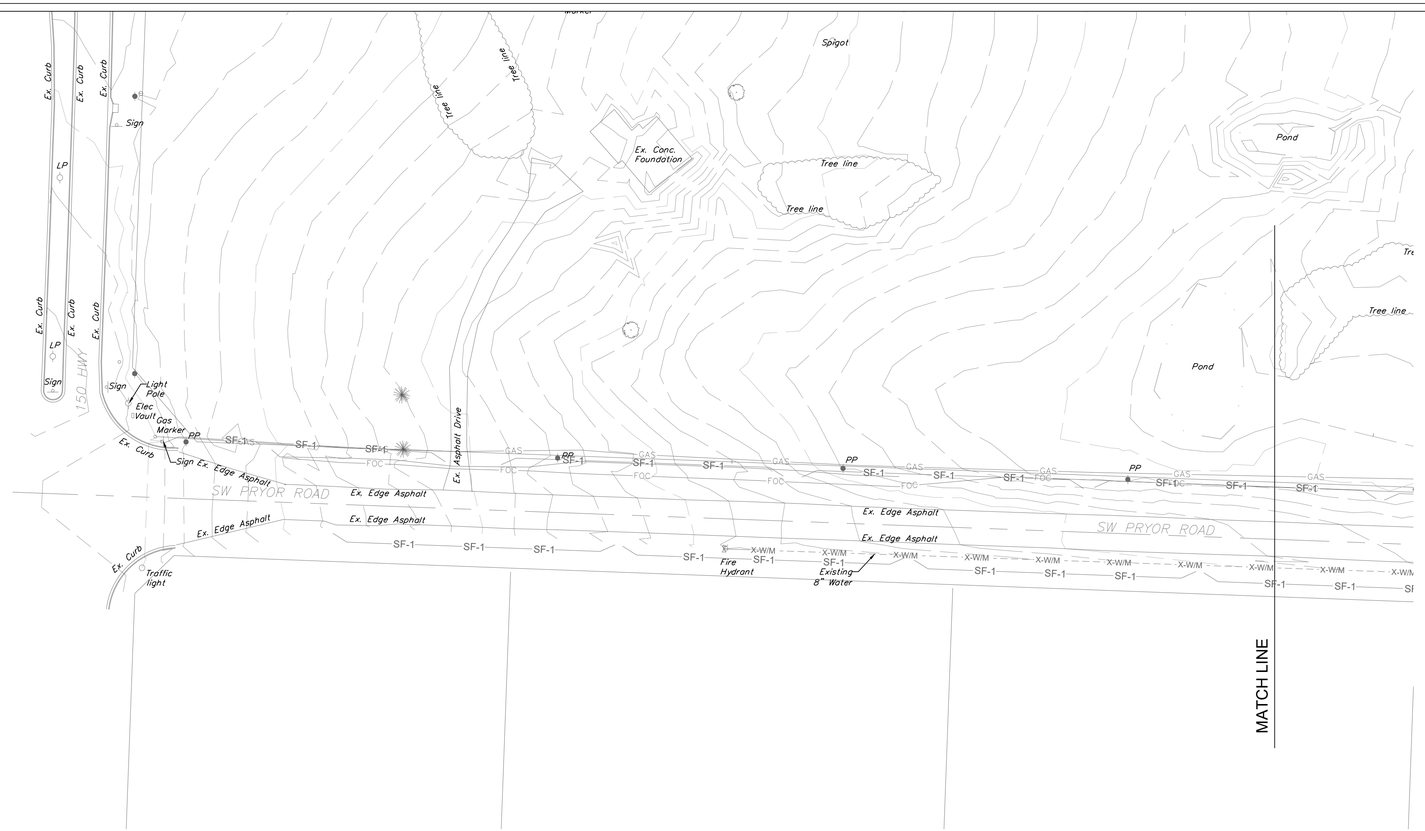

North

0 30' 60' 120'

INACTIVE AREA STABELIZATION PLAN

SCALE: 1" = 60'

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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 5111.3 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.

SF-1 — 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	

Accepted
Record Drawings

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Date: 2/4/2022
Certified by: Matthew J. Schlicht
Title: Engineer
Firm: Engineering Solutions

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Surveying LS-218
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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

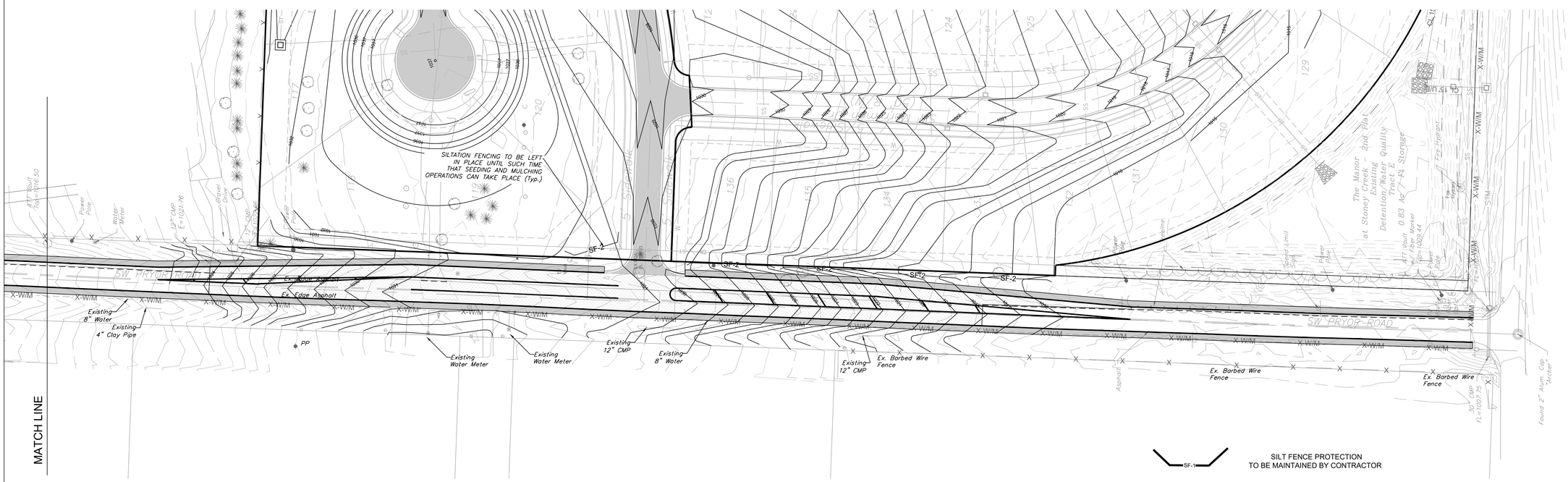
STATE OF MISSOURI
MATTHEW J. SCHLICHT
NUMBER
E-2006019708
PROFESSIONAL ENGINEER

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

REVISIONS

2/4/2022 As-Built

C.051D



SF-1 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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SEED AND MULCH NOTES:

All areas disturbed by construction activities shall be seeded and mulched. Seeding shall be done before the proposed seedbed 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 I - Rye Grass / Blue Grass --------- 100 lbs. per Acre
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Lime ----------2000 lbs per Acre (50 lbs. per 1000 sq. ft.)
Fertilizer ----------800 to 1200 lbs per Acre (25 lbs per 1000 sq. ft.)

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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 DEVICES SHALL BE REMOVED AND ANY DISTURBED AREAS SHALL BE RESTORED

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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
Issue Date: October , 2018

ESC PHASE 3 - Final Restoration Plan
Construction Plans for:
The Reserve at Stoney Creek - 4th Plat
Lee's Summit, Jackson County, Missouri

STATE OF MISSOURI
MATTHEW J. SCHLICHT
NUMBER
PE-2006019708
PROFESSIONAL ENGINEER

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

REVISIONS
2/4/2022 As-Built

C.052A

LEGEND

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

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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
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ESC PHASE 3 - Final Restoration Plan
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The Reserve at Stoney Creek - 4th Plat
Lee's Summit, Jackson County, Missouri

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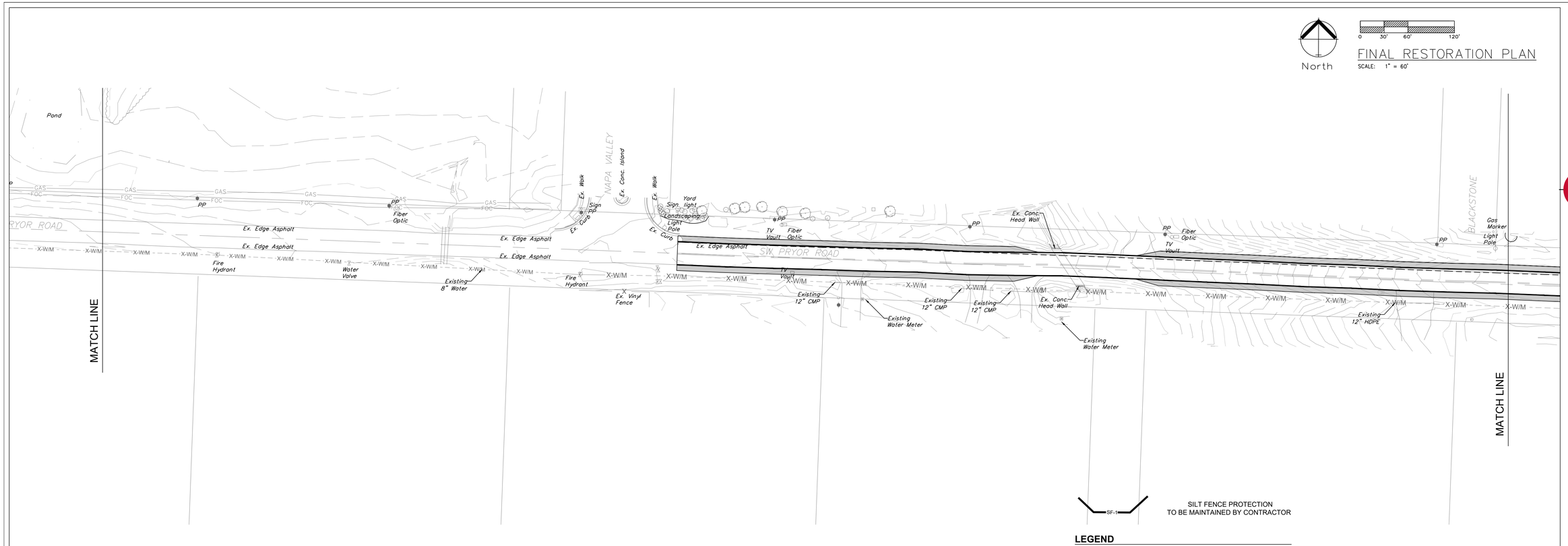
REVISIONS
2/4/2022 As-Built

C.052B



LEGEND

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

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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
Issue Date: October , 2018

ESC PHASE 3 - Final Restoration Plan
Construction Plans for:
The Reserve at Stoney Creek - 4th Plat
Lee's Summit, Jackson County, Missouri

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MO PE 2006019708
KS PE 19071
OK PE 25226

REVISIONS
2/4/2022 As-Built

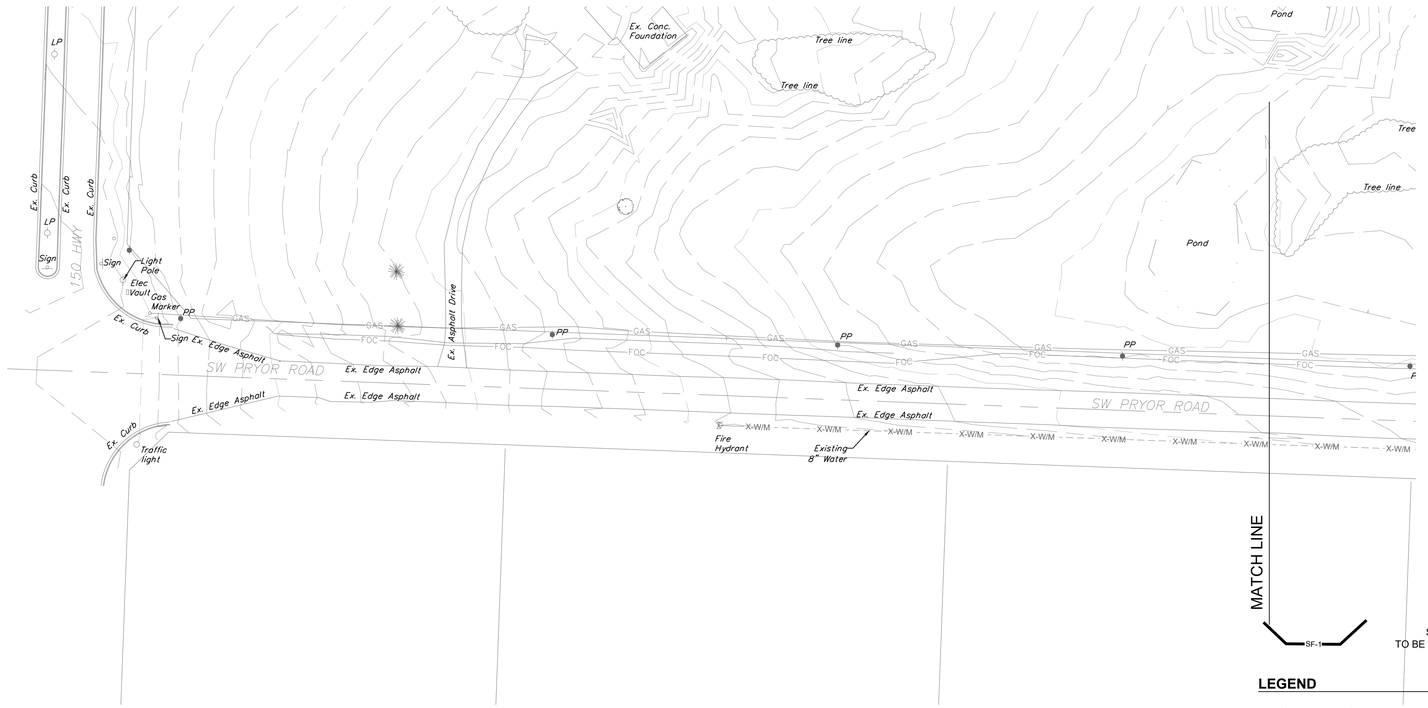
C.052C

North

0 30' 60' 120'

FINAL RESTORATION PLAN

SCALE: 1" = 60'



MATCH LINE

SF-1

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

Project: THE RESERVE AT STONEY CREEK 4TH PLAT
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ESC PHASE 3 - Final Restoration Plan
Construction Plans for:
The Reserve at Stoney Creek - 4th Plat
Lee's Summit, Jackson County, Missouri

STATE OF MISSOURI
MATTHEW J. SCHLICHT
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REVISIONS

2/4/2022 As-Built

C.052D

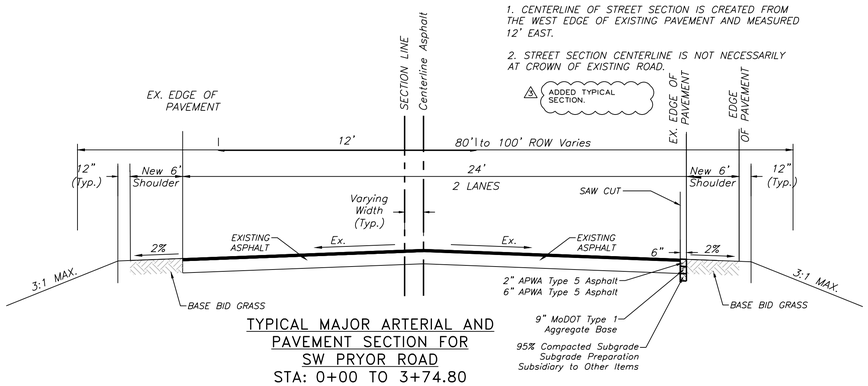
GENERAL NOTES:

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.

NOTE:

1. CENTERLINE OF STREET SECTION IS CREATED FROM THE WEST EDGE OF EXISTING PAVEMENT AND MEASURED 12' EAST.

2. STREET SECTION CENTERLINE IS NOT NECESSARILY AT CROWN OF EXISTING ROAD.



TYPICAL MAJOR ARTERIAL AND PAVEMENT SECTION FOR SW PRYOR ROAD
STA: 0+00 TO 3+74.80
N.T.S.

NOTE:

SEE SHEET C.262 FOR COORDINATE TABLE.

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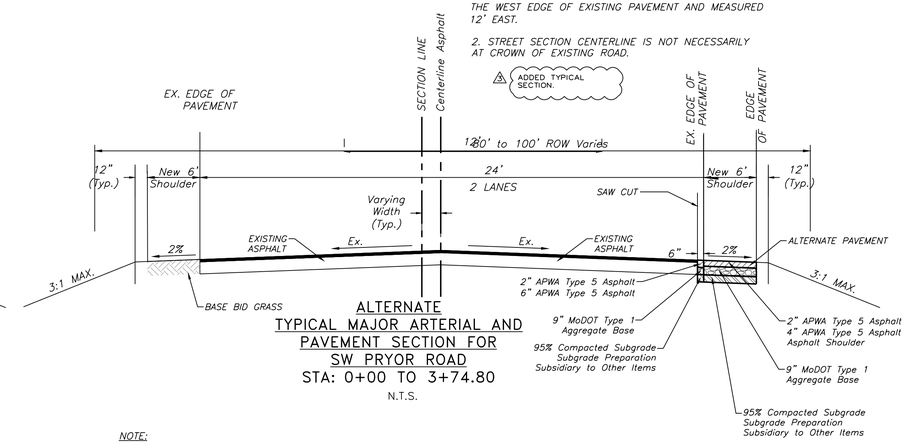

ALTERNATE
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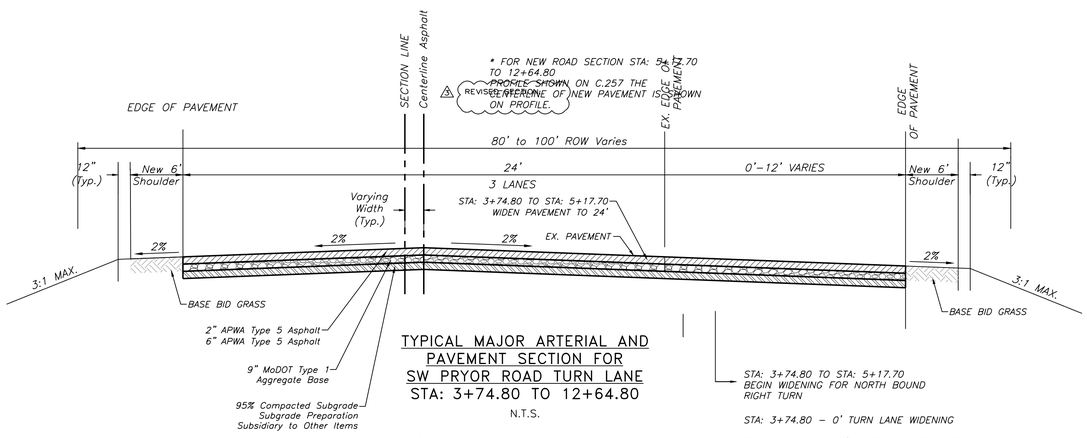
STA: 0+00 TO 3+74.80
N.T.S.



TYPICAL MAJOR ARTERIAL AND PAVEMENT SECTION FOR SW PRYOR ROAD TURN LANE
STA: 3+74.80 TO 12+64.80
N.T.S.

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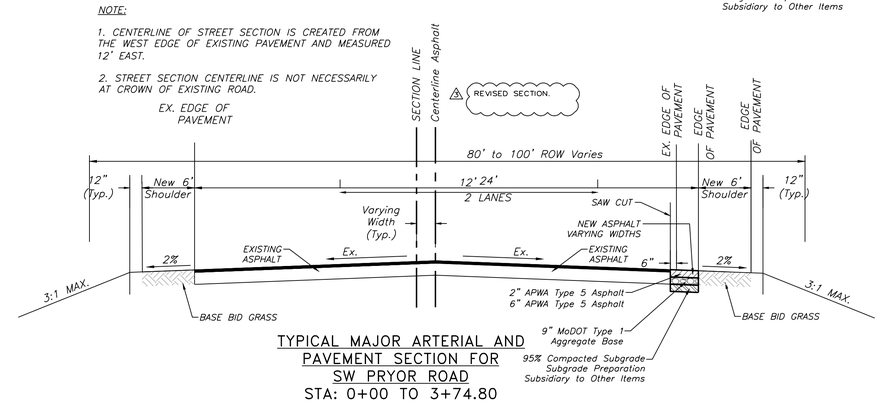
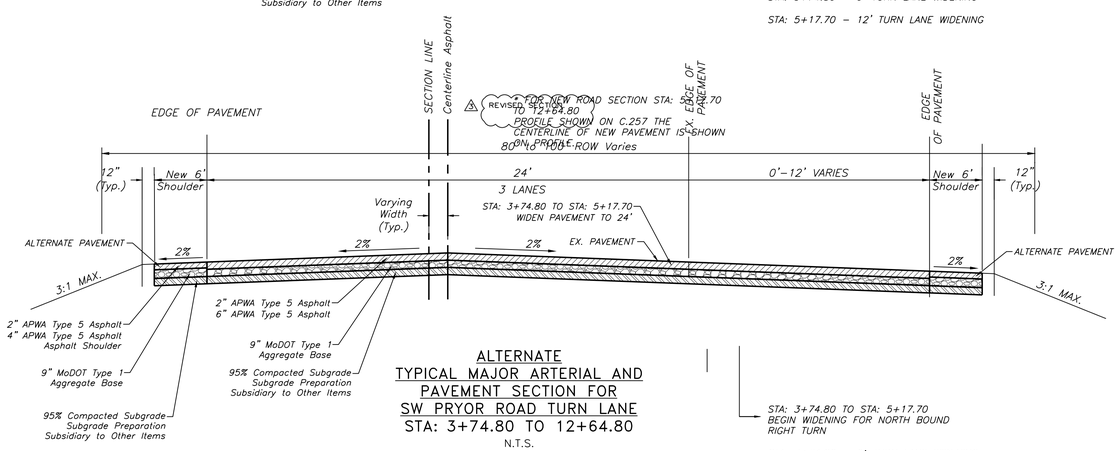


TYPICAL MAJOR ARTERIAL AND PAVEMENT SECTION FOR SW PRYOR ROAD
STA: 0+00 TO 3+74.80
STA: 12+64.80 TO 38+00
N.T.S.



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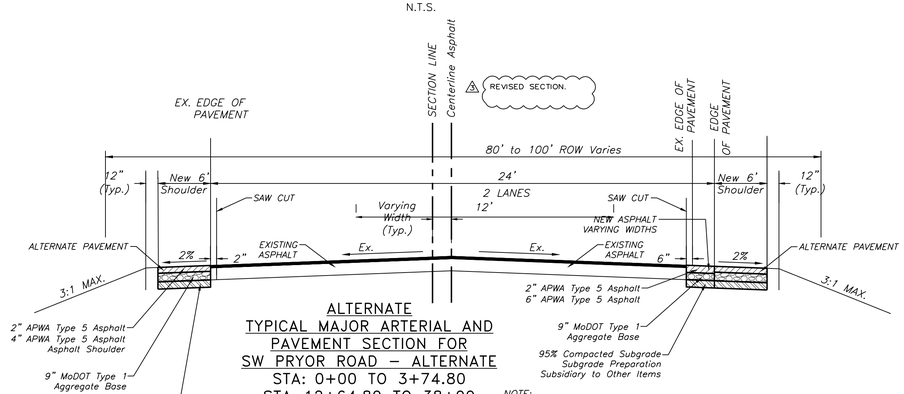
STA: 3+74.80 TO 12+64.80
N.T.S.



ALTERNATE
TYPICAL MAJOR ARTERIAL AND PAVEMENT SECTION FOR SW PRYOR ROAD – ALTERNATE
STA: 0+00 TO 3+74.80
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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

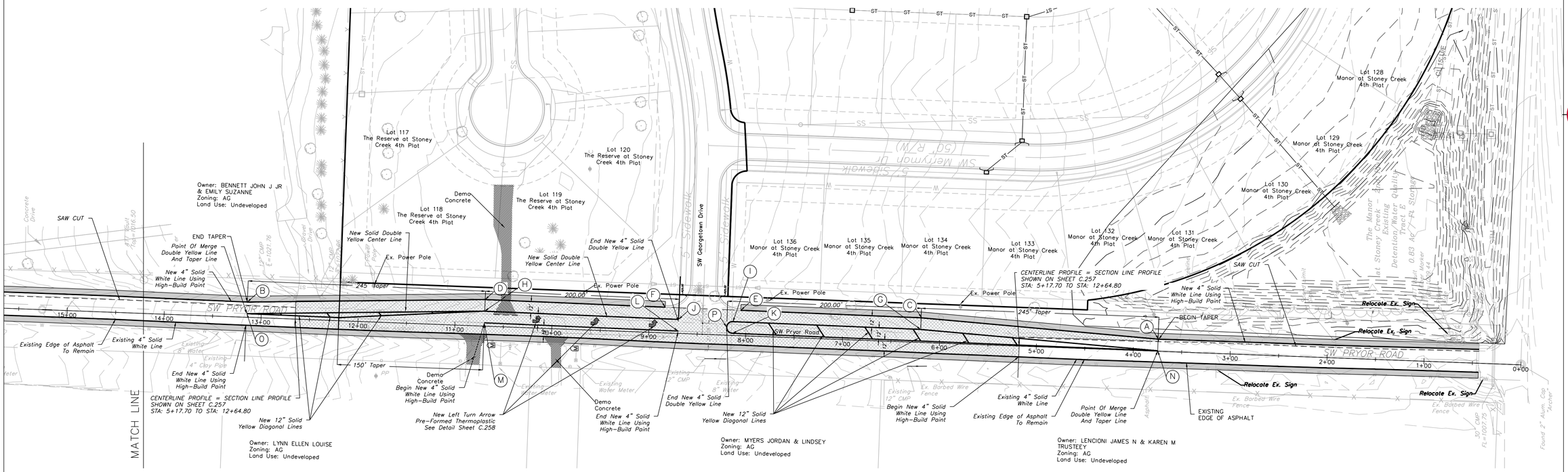
SW Pryor Road
Construction Notes and Cross Section
Construction Plans for:
The Reserve at Stoney Creek - 4th Plat
Lee's Summit, Jackson County, Missouri

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

REVISIONS
2/4/2022 As-Built

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 Preformed Thermoplastic.

2. New Point Stripes Shall Be High Build Paint In Accordance With City Standards and Specifications.

LEGEND:

SHOULDER

LANE WIDENING

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

Accepted Record Drawings

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RECORD DRAWING

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Date: 2/4/2022
Certified by: Matthew J. Schlicht
Title: Engineer
Firm: Engineering Solutions

ENGINEERING SOLUTIONS
ENGINEERING & SURVEYING
50 SE 30TH STREET
LEE'S SUMMIT, MO 64082
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Professional Registration
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Engineering 2005002186-D
Surveying 2005008319-D
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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
Issue Date: October , 2018

Street Widening Plan and Pavement Marking Plan
Construction Plans for:
The Reserve at Stoney Creek - 4th Plat
Lee's Summit, Jackson County, Missouri

STATE OF MISSOURI
MATTHEW J. SCHLICHT
NUMBER
PE-2006019708
PROFESSIONAL ENGINEER

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

REVISIONS

2/4/2022 As-Built

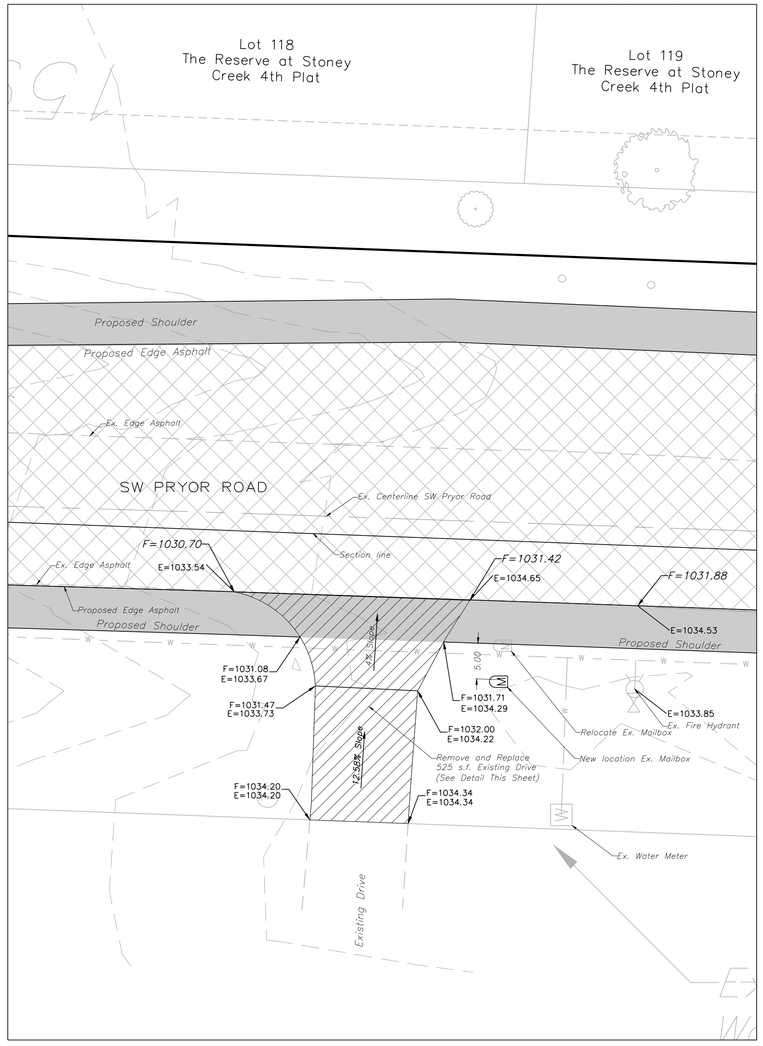
C.252

SPOT ELEVATIONS

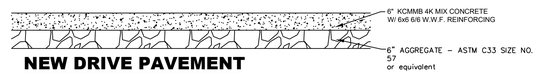
North

0 10' 20' 40'

SCALE: 1" = 20'



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



NEW DRIVE PAVEMENT

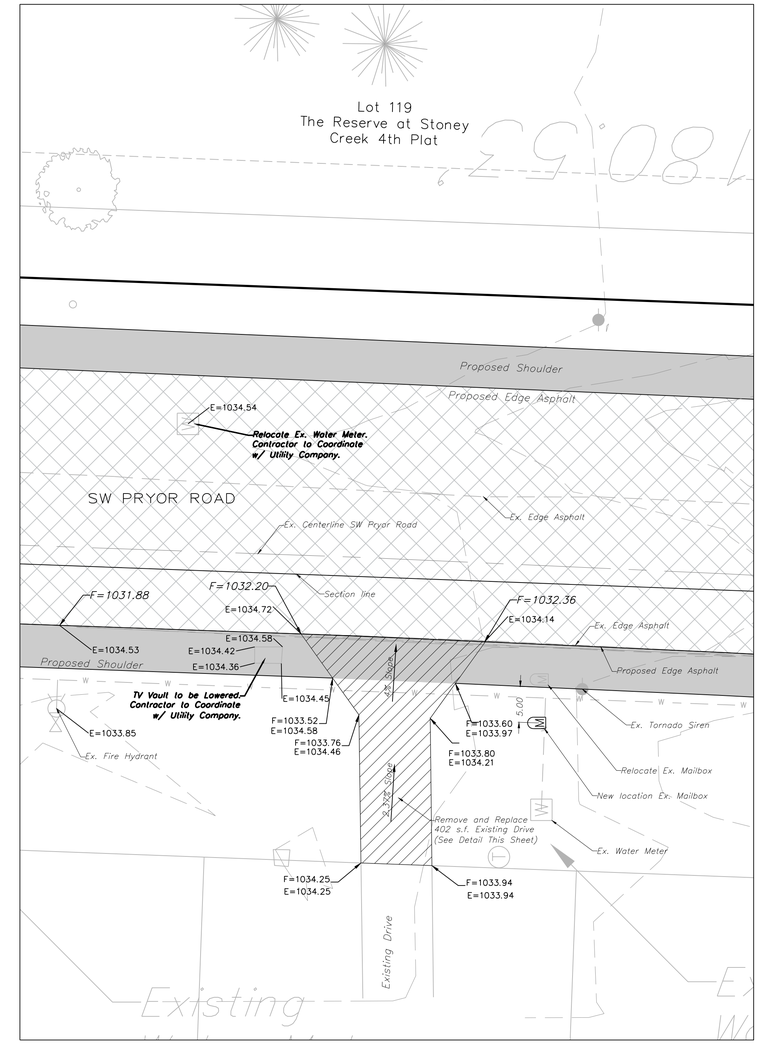
NOT TO SCALE

SPOT ELEVATIONS

North

0 10' 20' 40'

SCALE: 1" = 20'



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

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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
Issue Date: October 2018

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

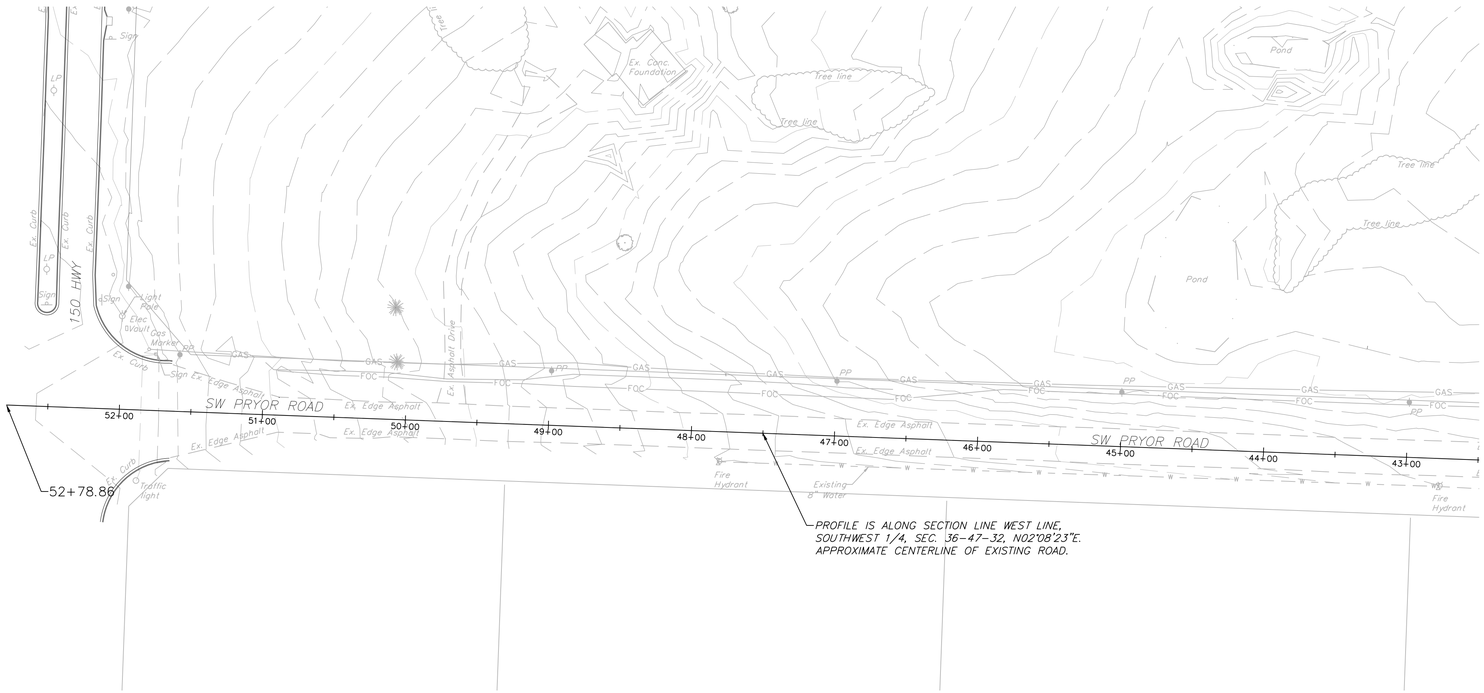
STATE OF MISSOURI
MATTHEW J. SCHLICHT
NUMBER
PE-2006019708
PROFESSIONAL ENGINEER

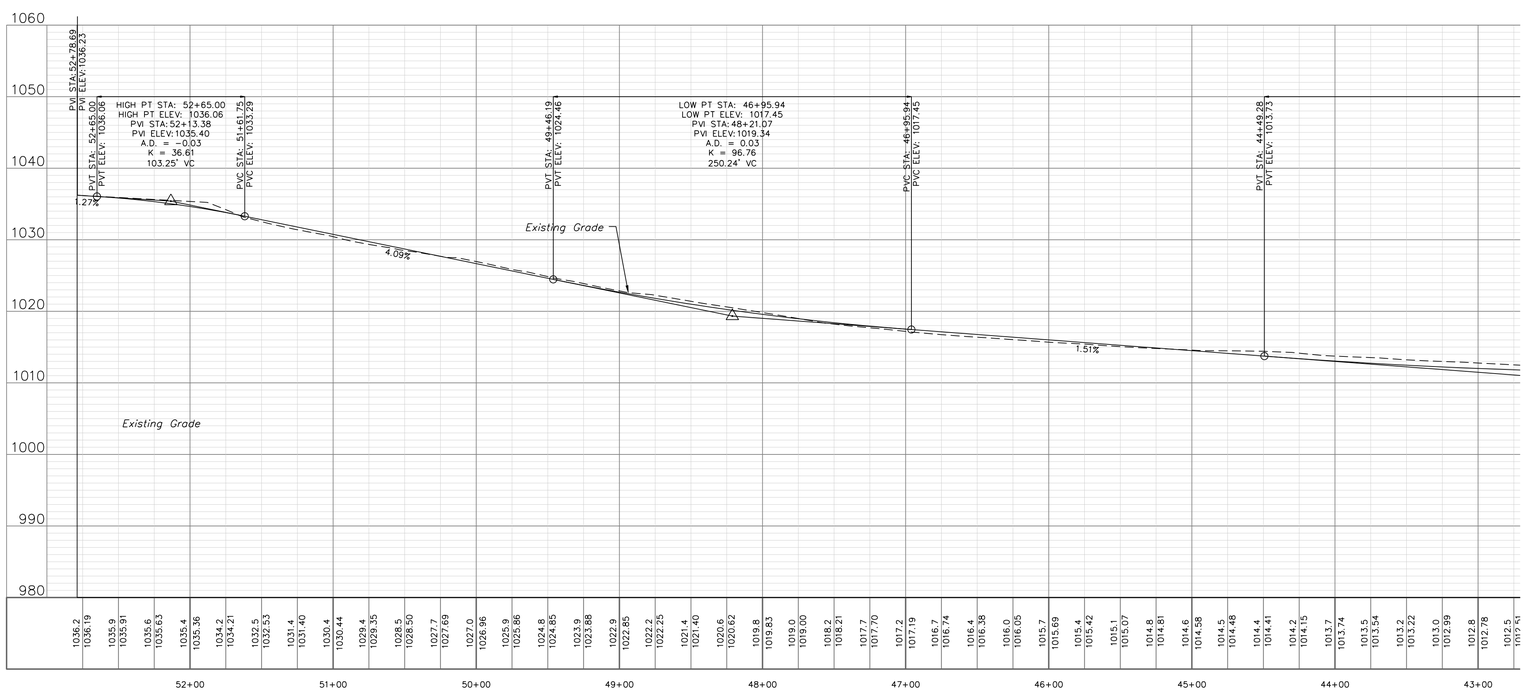
Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 25226

REVISIONS

2/4/2022 As-Built

C.253





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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

Issue Date:
October , 2018

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

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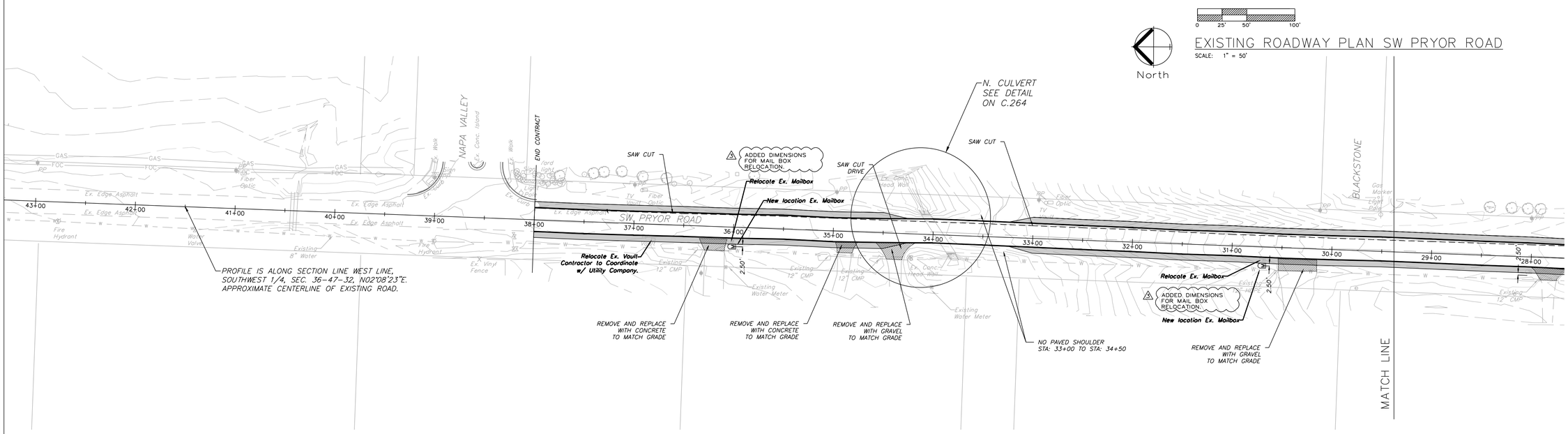
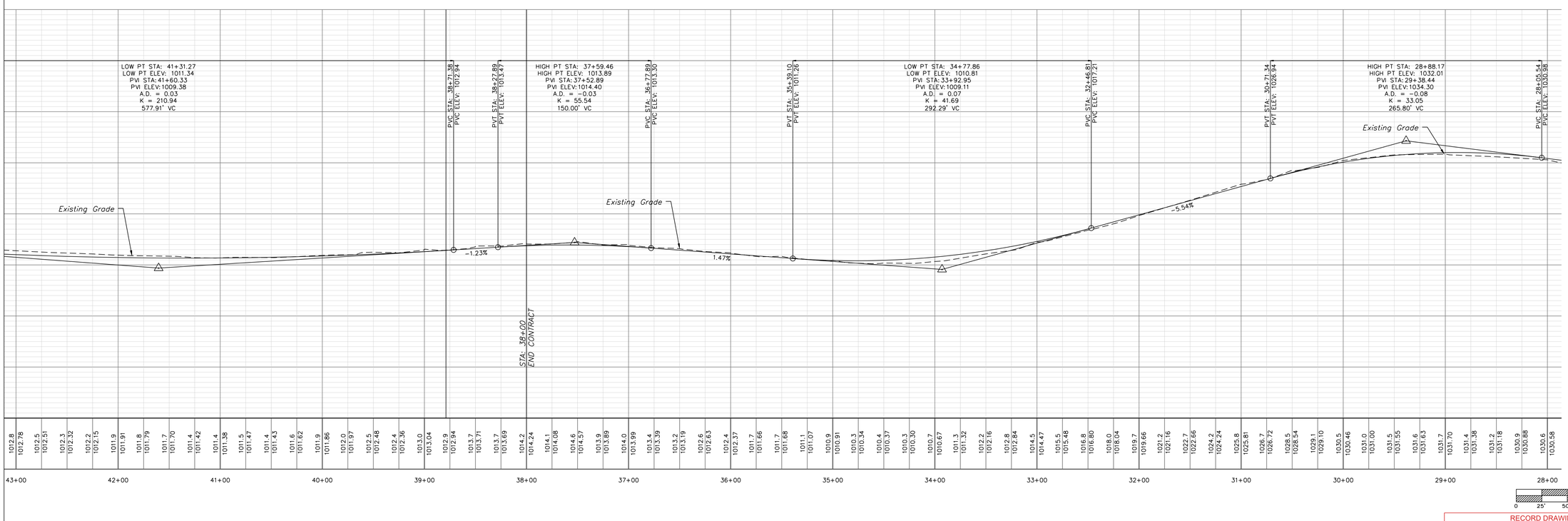
REVISIONS

2/4/2022 As-Built





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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
Issue Date: October, 2018

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

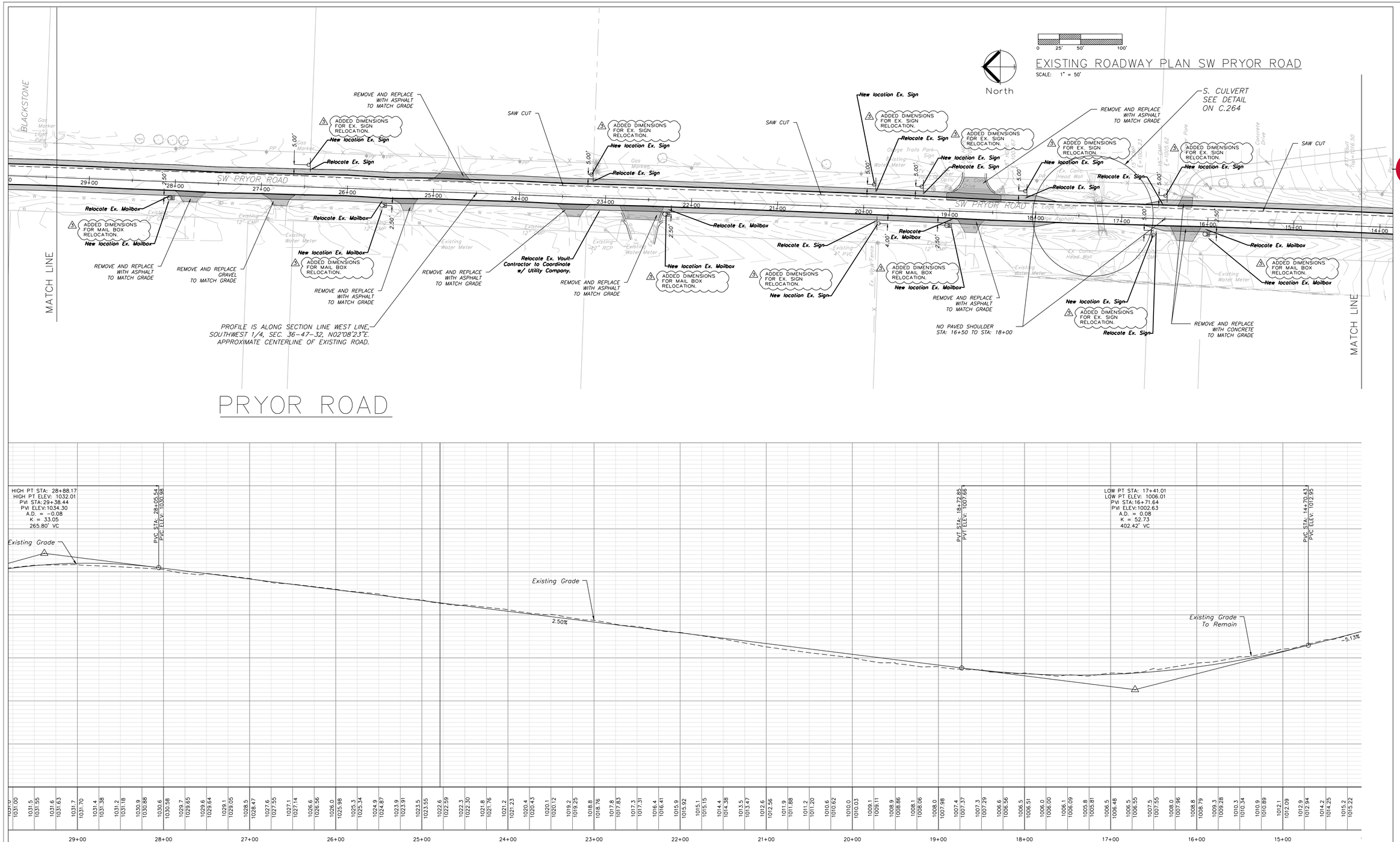
STATE OF MISSOURI
MATTHEW J. SCHLICHT
NUMBER
PE-2006019708
PROFESSIONAL ENGINEER

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

REVISIONS

2/4/2022 As-Built

C.255



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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
Issue Date: October, 2018

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

STATE OF MISSOURI
MATTHEW J. SCHLICHT
NUMBER
PE2006019708
NOT VALID WITHOUT ORIGINAL SEAL & SIGNATURE

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

REVISIONS

2/4/2022 As-Built

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Title: Engineer
Firm: Engineering Solutions

C.256

NOTE:

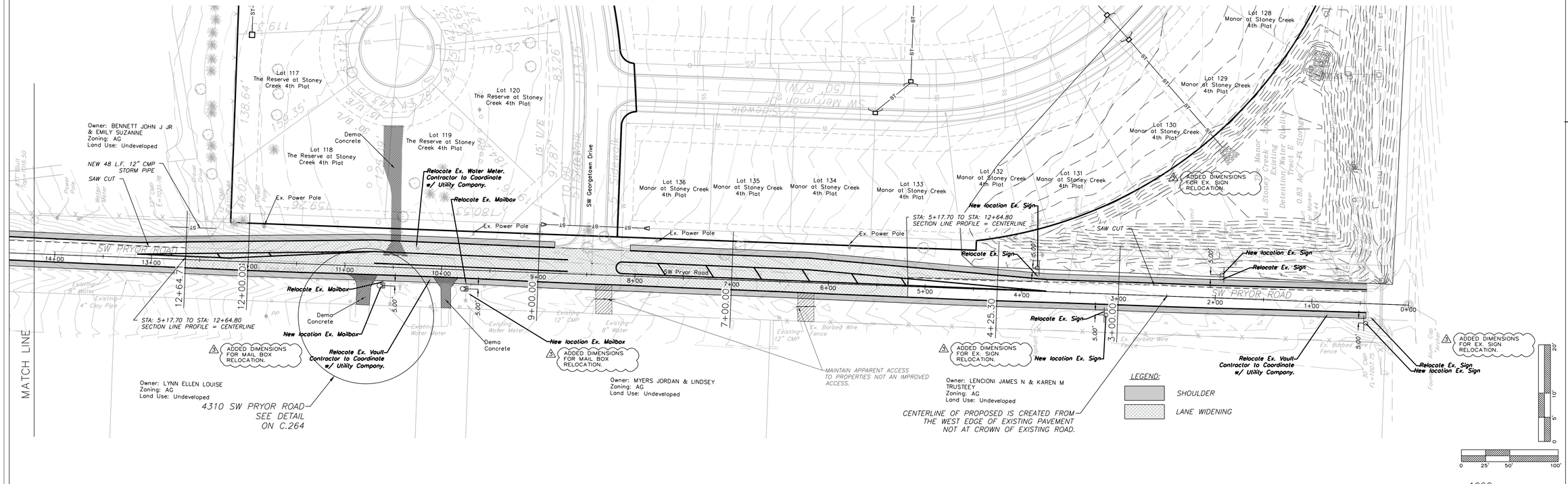
PROFILE IS ALONG SECTION LINE. APPROXIMATE CENTERLINE OF EXISTING ROAD.

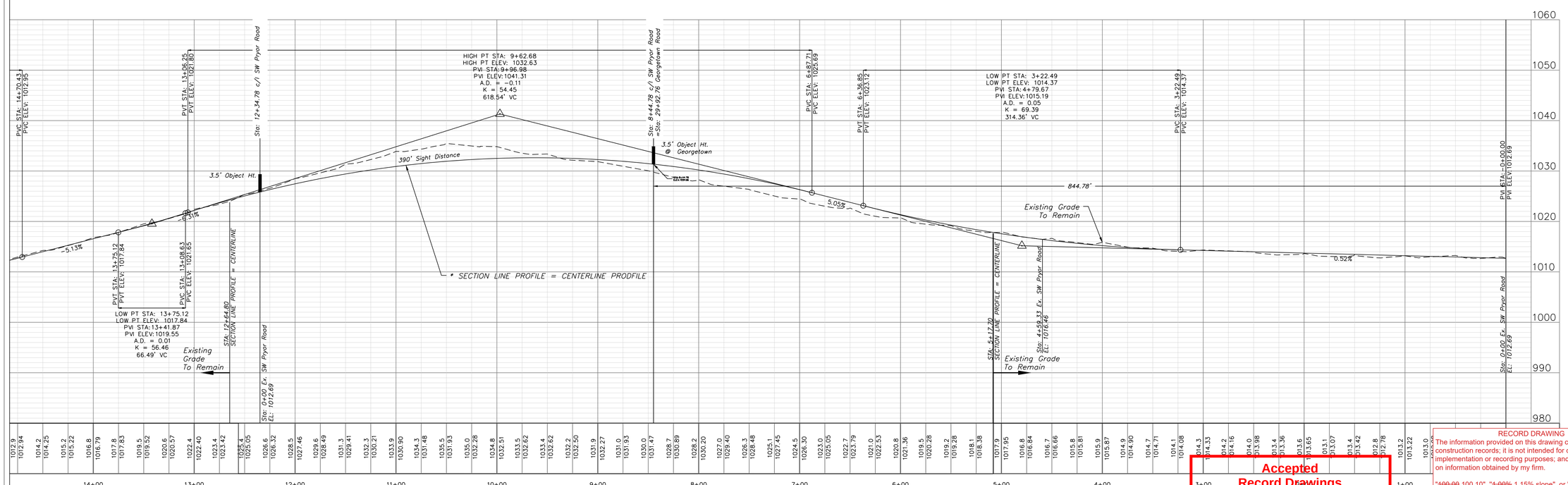
North

0 25' 50' 100'

EXISTING ROADWAY PLAN SW PRYOR ROAD

SCALE: 1" = 50'





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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

Issue Date: October , 2018

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

STATE OF MISSOURI
MATTHEW J. SCHLICHT
NUMBER
E-2006019708
PROFESSIONAL ENGINEER

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

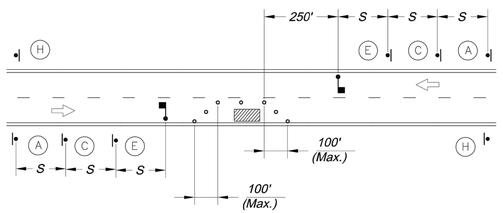
REVISIONS

2/4/2022 As-Built

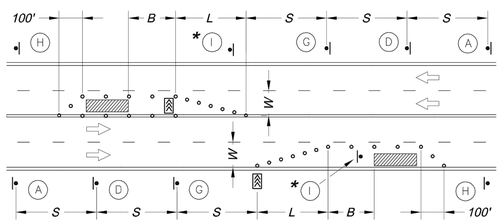
C.257

SYMBOL LEGEND

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

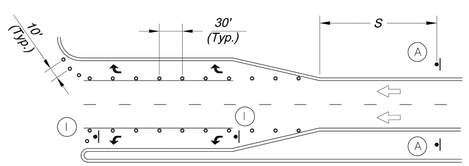


LANE CLOSURE - TWO LANE STREET



LANE CLOSURE - FOUR LANE STREET

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



TURN LANE CLOSURE

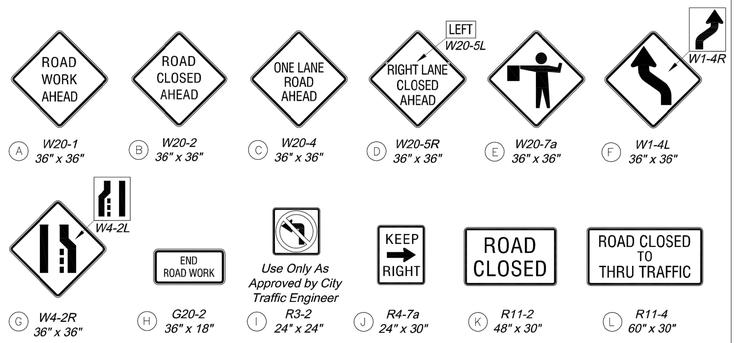
Sign Spacing "S"	
Speed Limit (mph)	Spacing (Feet)
25	100
30 - 35	250
≥ 40	350

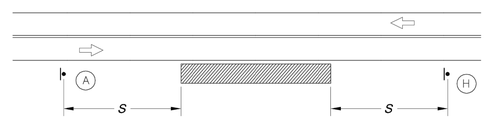
Taper Dimensions (Feet)				
Speed Limit (mph)	Minimum Taper Length "L", per Lane Width "W"			Minimum Number of Channelizers
	10	11	12	
25	105	115	125	6
30	150	165	180	7
35	205	225	245	8
40	270	295	320	9
45	450	495	540	13

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

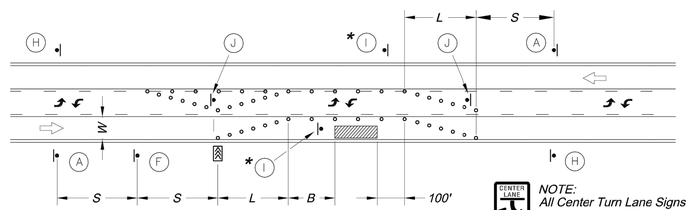
Maximum Channelizer Spacing		
Speed Limit (mph)	Within Taper (Feet)	Outside Taper (Feet)
25	25	50
30	30	60
35	35	70
40	40	80
45	45	90

SIGN LEGEND





TYPICAL SIGNING FOR WORK ADJACENT TO THE STREET

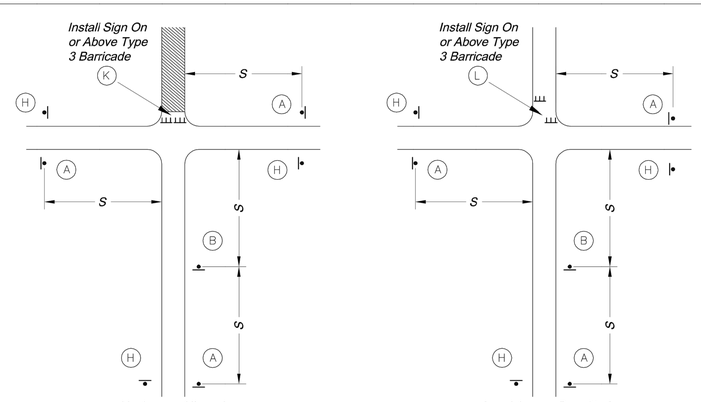


CENTER LANE ONLY
R3-9b

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

LANE CLOSURE - THREE LANE STREET

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



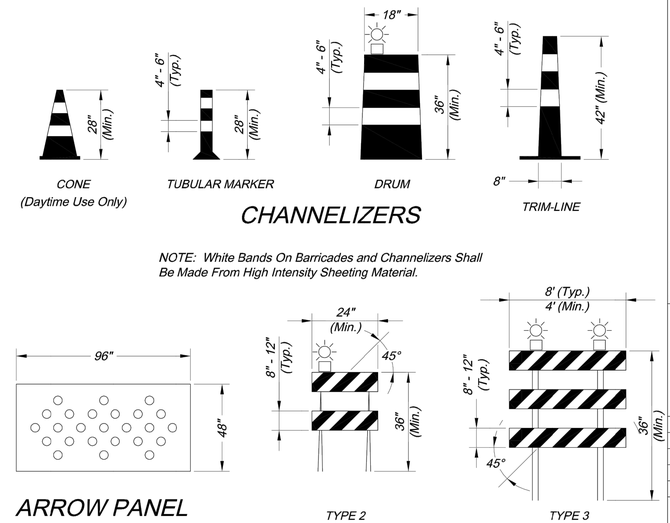
No Access Allowed

Local Access Permitted

TYPICAL STREET CLOSURE

GENERAL NOTES:

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.

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

Project:

TRAFFIC CONTROL DETAILS

Sheet Name: STANDARD DRAWING TC-1

Drawn By: JJW
Checked By: MP
Date: 12-10-2008
Project No.: X

x OF x

X

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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
Issue Date: October , 2018

TRAFFIC CONTROL DETAILS
Construction Plans for:
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Lee's Summit, Jackson County, Missouri

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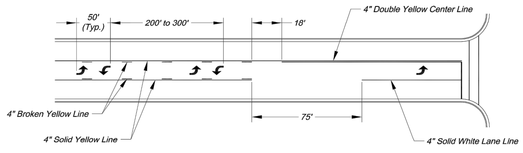
PE-2006019708
PROFESSIONAL ENGINEER

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

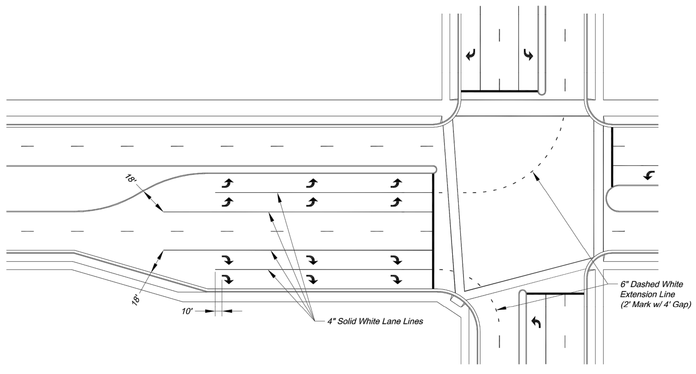
REVISIONS

2/4/2022 As-Built

C.258

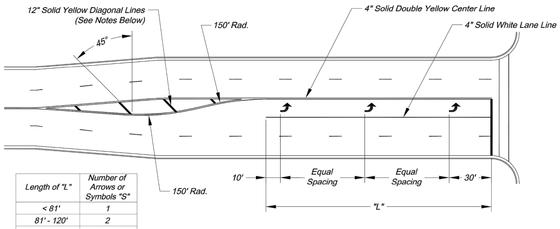


TYPICAL MARKINGS FOR TWO-WAY LEFT-TURN LANE



TYPICAL DUAL TURN LANE MARKINGS

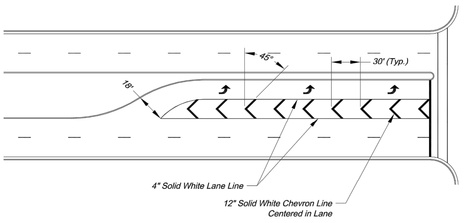
NOTE:
1. Dashed extension lines shall not extend through crosswalks.



Length of "L"	Number of Arrows or Symbols "S"
< 81'	1
81' - 120'	2
121' - 200'	3
201' - 280'	4
281' - 360'	5
361' - 440'	6

TYPICAL TURN LANE MARKINGS

NOTES:
1. Diagonal lines are required between centerlines if the width of the area between the center lines is greater than 12' and/or the length of the area between center lines is greater than 250'.
2. Diagonal lines should be spaced at 5' increments, equal to the posted speed limit.
3. Equal Spacing is calculated as (L - 40) / (S - 1).
4. 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 STRIPED OUT TURN LANE MARKINGS

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

Project:

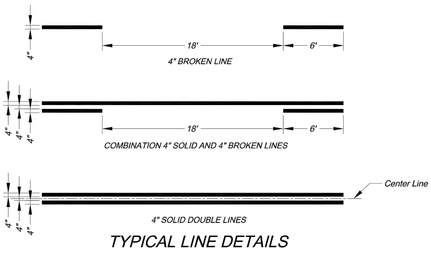
INTERSECTION MARKING DETAILS

Sheet Name: STANDARD DRAWING PM-2

Drawn By: AS
Checked By: JW
Date: 09/09/2009
Project#

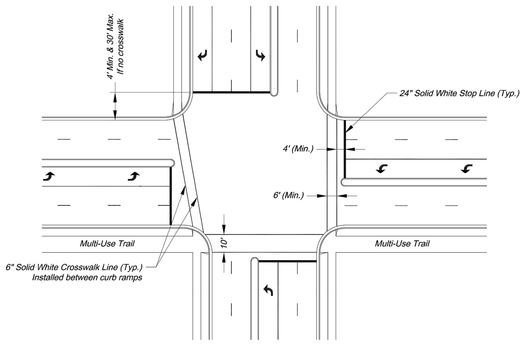
2 OF 2

2



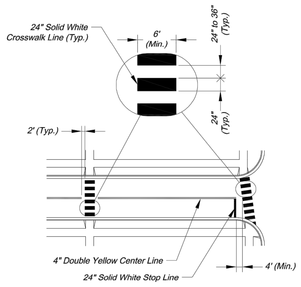
TYPICAL LINE DETAILS

NOTES:
1. All edge line, center line, and lane line pavement markings shall be 4" wide unless otherwise noted.
2. 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.

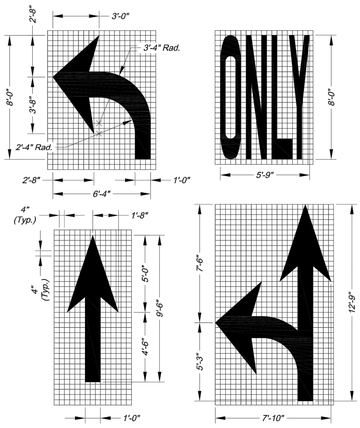


TYPICAL INTERSECTION MARKINGS

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

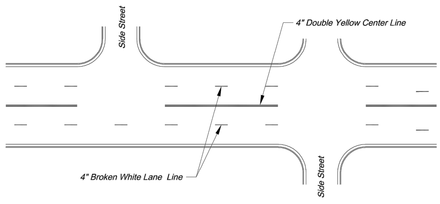


TYPICAL MIDBLOCK OR
SCHOOL CROSS WALK

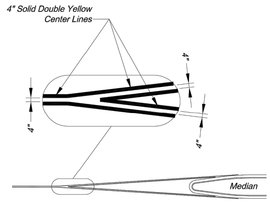


ARROW AND SYMBOL DETAILS

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



TYPICAL MARKINGS FOR FOUR-LANE
UNDIVIDED ROADWAY



TYPICAL MEDIAN NOSE
CENTER LINE DETAIL

PAVEMENT MARKING GENERAL NOTES:
1. All pavement markings shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD).
2. 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.
3. Pavement markings, either temporary or permanent are required at all times if the roadway is open to traffic.
4. All pavement markings that conflict with the desired markings shall be completely removed. Removals shall not leave the road surface scarred with an image that misleads traffic. Any excess damage or scarring of pavement shall be repaired at the Contractor's expense.
5. The proposed permanent markings shall be laid out by the Contractor in advance of the marking installation. Markings shall not be applied until the layout has been approved by the City Traffic Engineer.
6. 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.
7. Edge lines shall be marked on all non-curbed streets.

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

Project:

ROADWAY MARKING DETAILS

Sheet Name: STANDARD DRAWING PM-1

Drawn By: AS
Checked By: JW
Date: 09/09/2009
Project#

1 OF 2

1

RECORD DRAWING
The information provided on this drawing conforms to construction records; it is not intended for construction, implementation or recording purposes; and it is solely based on information obtained by my firm.
"100.00' 100.10'", "+66% 1.15% slope", or "8-inch HDPE/PVC pipe" are all typical examples of revisions that indicate that design data has been replaced with "as-built" information. All other data is as designed and has not been field verified.
Date: 2/4/2022
Certified by: Matthew J. Schlicht
Title: Engineer
Firm: Engineering Solutions

Accepted
Record Drawings
These plans have been reviewed for accuracy and are accepted for basic conformance to the approved construction drawings.

C.259

REVISIONS
2/4/2022 As-Built

Matthew J. Schlicht
MO PE 2005017108
KS PE 1300
OK PE 23226

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

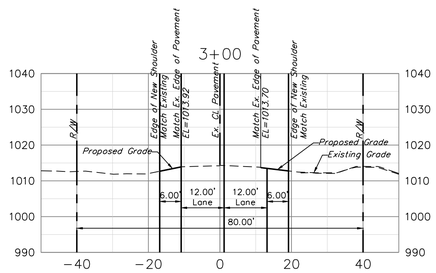
Project:
THE RESERVE
AT STONEY
CREEK 4TH PLAT

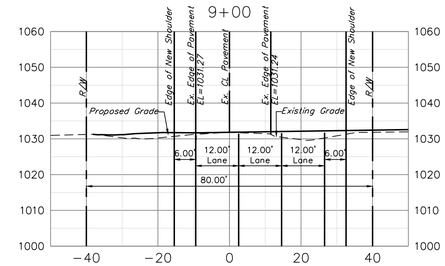
Issue Date:
October , 2018

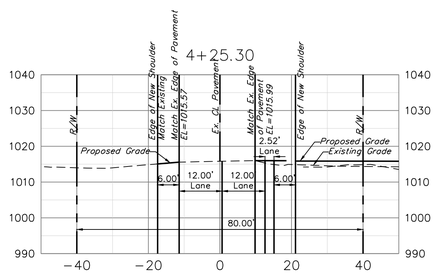
The Reserve at Stoney Creek - 4th Plat
Lee's Summit, Jackson County, Missouri

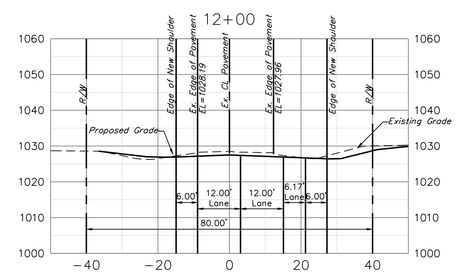
Professional Registration
Missouri
Engineering 2005017108-D
Surveying 2003027180-D
Kansas
Engineering E-1300
Surveying LS-218
Oklahoma
Engineering 23226
Nebraska
Engineering CA-0267

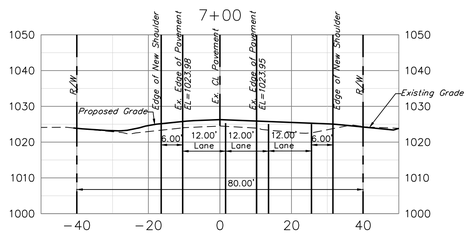
ENGINEERING SOLUTIONS
ENGINEERING & SURVEYING
50 SE 30TH STREET
LEE'S SUMMIT, MO 64082
P:(816) 623-9888 F:(816)623-9849

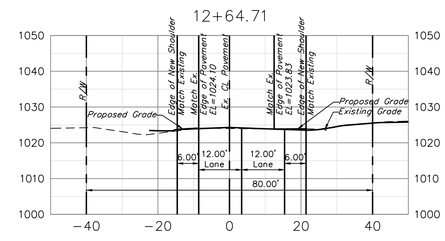


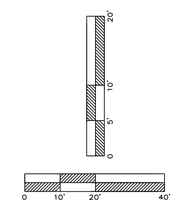












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Date: 2/4/2022
Certified by: Matthew J. Schlicht
Title: Engineer
Firm: Engineering Solutions

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

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

STATE OF MISSOURI
MATTHEW J. SCHLICHT
NUMBER
PE2006019708
PROFESSIONAL ENGINEER

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

REVISIONS

2/4/2022 As-Built

C.260

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.

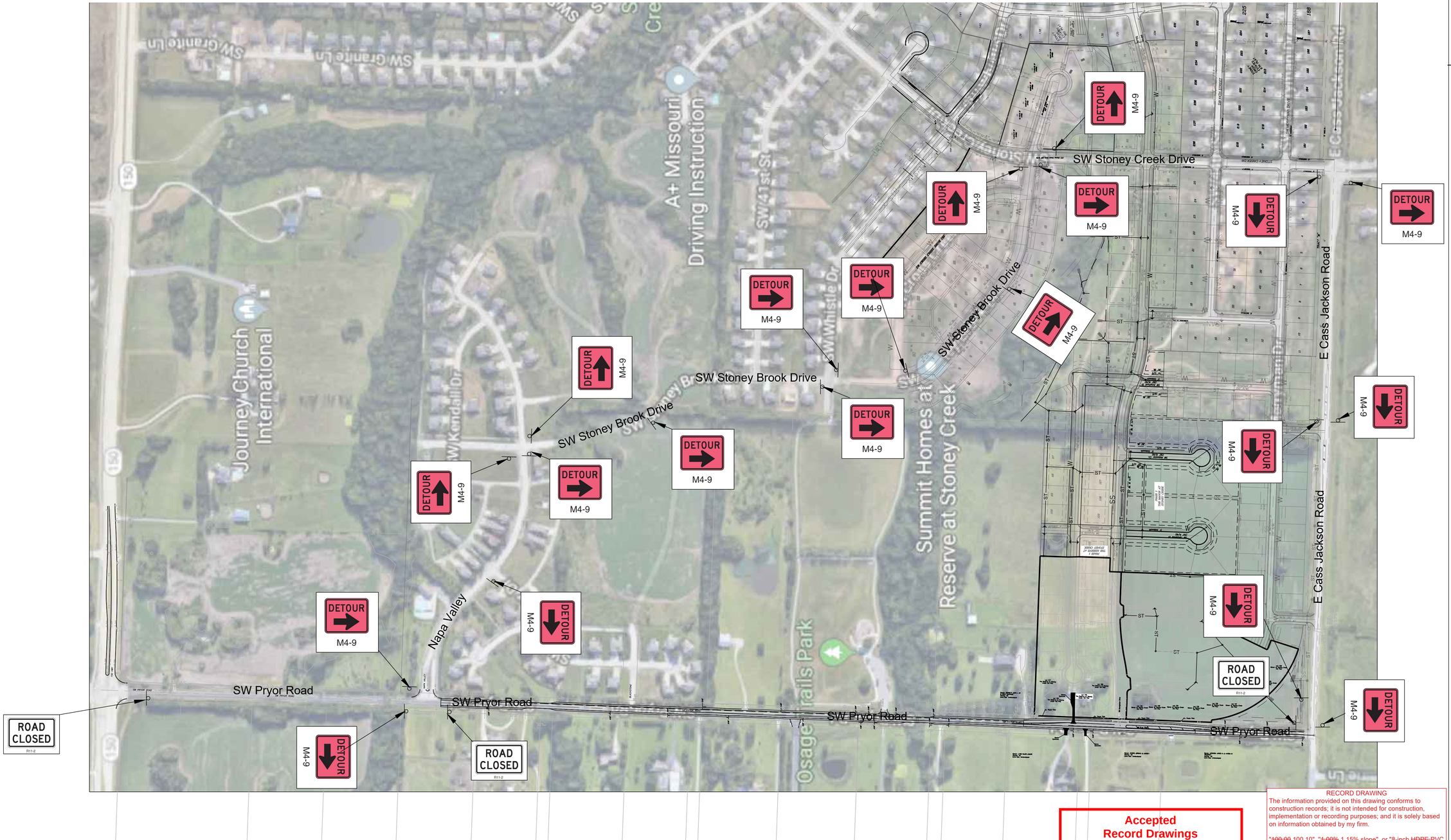
3. A PRE-CONSTRUCTION MEETING IS REQUIRED BETWEEN THE CONTRACTOR AND THE CITY'S FIELD ENGINEERING INSPECTOR PRIOR TO COMMENCEMENT OF ANY WORK.

North

0 100' 200' 400'

TRAFFIC CONTROL PLAN GENERAL LAYOUT

SCALE: 1" = 200'



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LEE'S SUMMIT, MO 64082
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Professional Registration
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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

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

STATE OF MISSOURI
MATTHEW J. SCHLICHT
NUMBER
PE-2006019708
PROFESSIONAL ENGINEER

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

REVISIONS

2/4/2022 As-Built

C.261

COORDINATE TABLE			
STATION	CENTERLINE COORDINATES	SECTION LINE COORDINATES	
0+00	N 973148.37, E 2812091.63	N 973148.37, E 2812091.63	CP#1 Found 2" Alum. Cap "Archer"
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#2 Found 2" Alum. Cap

NOTE:

1. CENTERLINE OF STREET SECTION IS CREATED FROM THE WEST EDGE OF EXISTING PAVEMENT AND MEASURED 12' EAST.

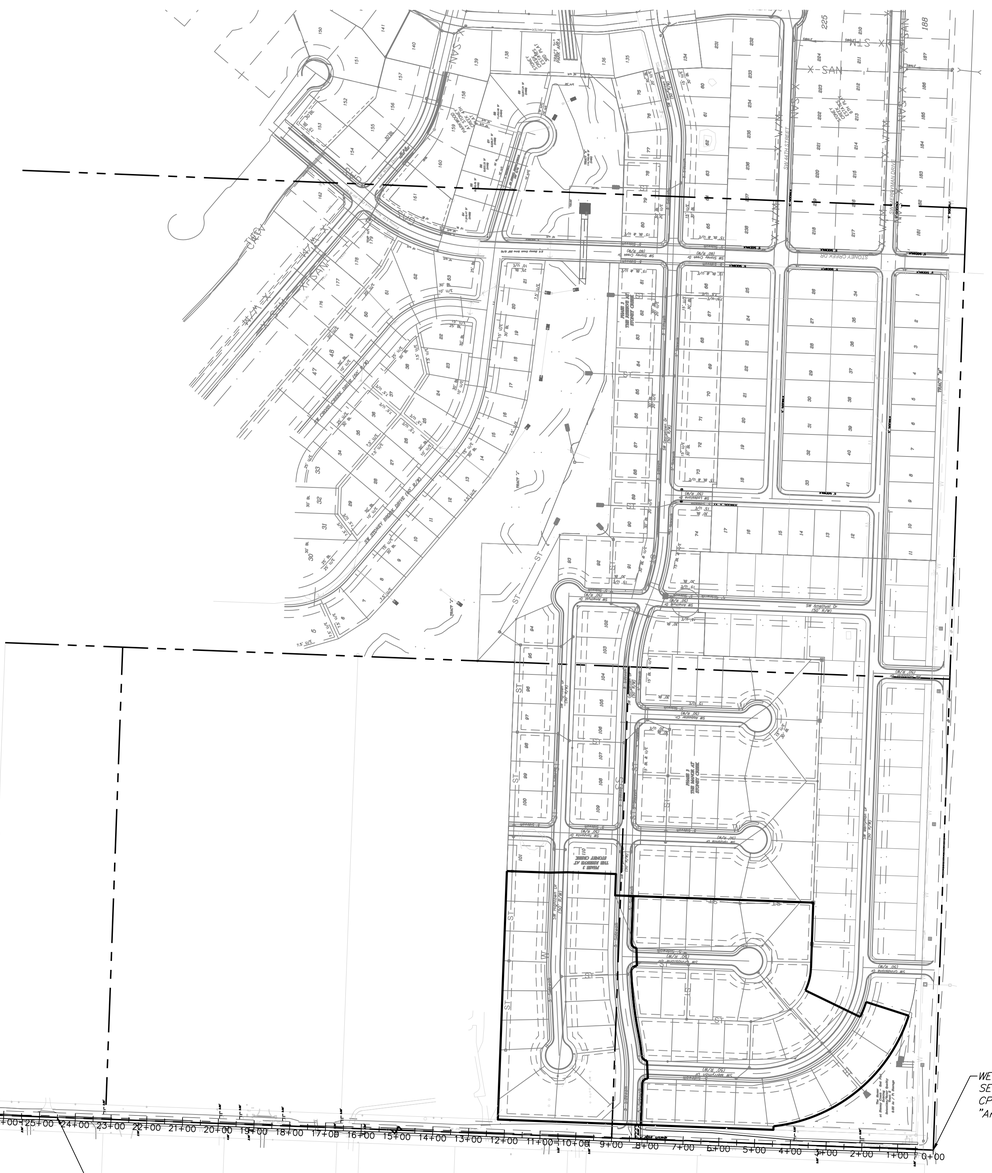
2. STREET SECTION CENTERLINE IS NOT NECESSARILY AT CROWN OF EXISTING ROAD.

North

0 100' 200' 400'

STREET ALIGNMENT SHEET

SCALE: 1" = 200'



Accepted
Record Drawings

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LEE'S SUMMIT, MO 64082
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Professional Registration
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Surveying 2005008319-D
Kansas
Engineering E-1695
Surveying LS-218
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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

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

STATE OF MISSOURI
MATTHEW J. SCHLICHT
NUMBER
PE-2006019708
PROFESSIONAL ENGINEER

Matthew J. Schlicht
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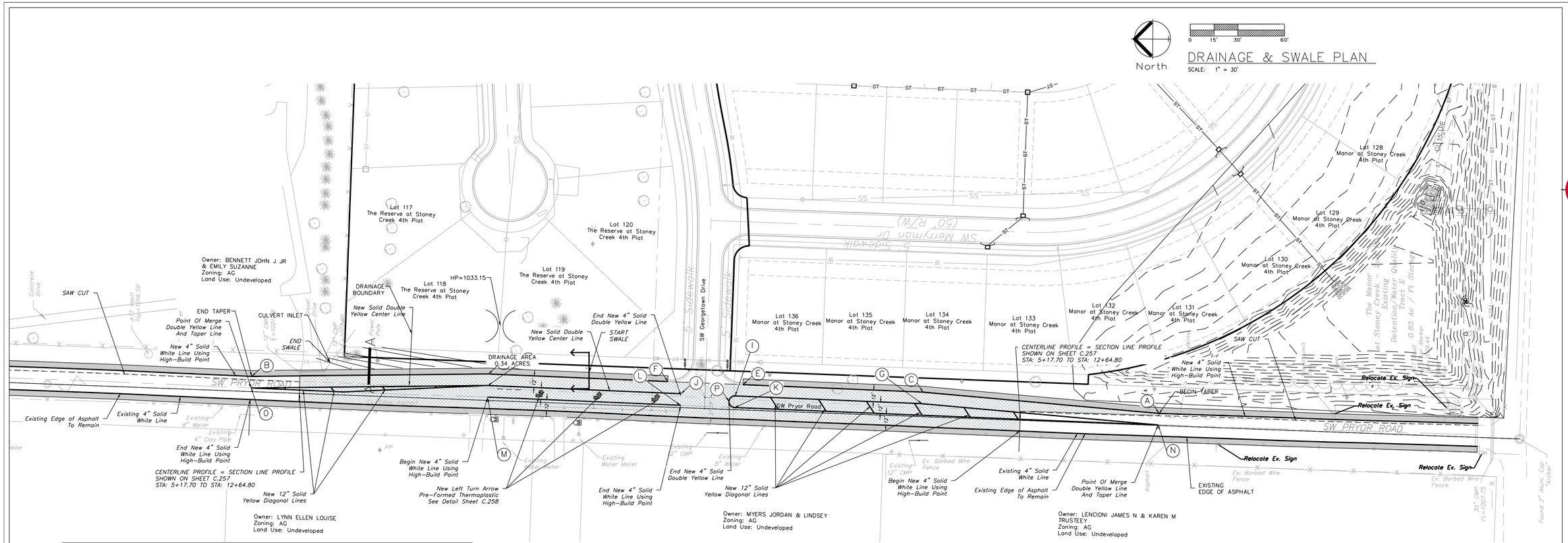
OK PE 25226

REVISIONS

2/4/2022 As-Built

C.262



Channel Report

Hydraflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc. Tuesday, Aug 31 2021

PRYOR ROAD NORTH DITCH AT LOT 118

Triangular

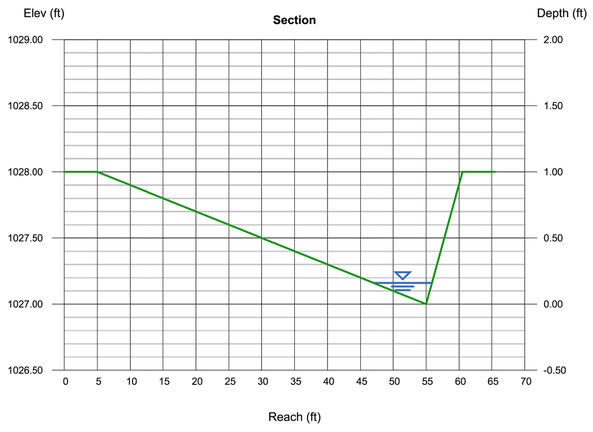
Side Slopes (z:1)	= 50.00, 5.50
Total Depth (ft)	= 1.00
Invert Elev (ft)	= 1027.00
Slope (%)	= 3.61
N-Value	= 0.030

Calculations

Compute by:	Known Q
Known Q (cfs)	= 1.12

Highlighted

Depth (ft)	= 0.16
Q (cfs)	= 1.120
Area (sqft)	= 0.71
Velocity (ft/s)	= 1.58
Wetted Perim (ft)	= 8.90
Crit Depth, Yc (ft)	= 0.16
Top Width (ft)	= 8.88
EGL (ft)	= 0.20



APWA STORM DRAINAGE "TC" COMPUTATIONS FOR : PRYOR ROAD IMPROVEMENTS LOT 118

yellow areas are self computing overwrite if necessary

TOTAL WATERSHED

Surface types: Asph/Conc Bus/Com Dirt Grass/Park Lake MultFam SnglFam Undev Other

SURFACE CODES A B D G L M S U Z

"C" Values 0.90 0.87 0.60 0.30 0.90 0.66 0.51 0.3

Overwrite Length - DnElev or Slope if necessary — OVERLAND FLOW - 100' MAX

SURFACE CODE P=Paved U=Unpaved — Overwrite Slope or Elevations if necessary — CHANNEL FLOW - FIRST REACH

TC COMPUTATION

AREA ID	TOTAL SQ.FT.	TOTAL ACRES	WTRSHD LENGTH	UP ELEV	DN ELEV	SURFACE CODE	"C" VALUE	OVRLND LENGTH	UP ELEV	DN ELEV	SLOPE %	P or U	CHANNEL LENGTH	UP ELEV	DN ELEV	SLOPE %	VELOCITY F/S	Cal Overland Flow T(i)	Used Min 5 Max 15 T(i)	Cal Channel One T(T)	Cal Channel Two T(T)	Total T© 10	Intensity 10 I	Intensity 100 I	CFS 10 Q	K 1.25 CFS 100 Q	AREA ID
1	14857	0.34	300.00	1034.00	1026.00	S	0.51	100.0	1034.0	1031.00	3.0	P	200.0	1031.0	1026.0	2.50	3.2	7.4	7.4	1.0	0.0	8.4	6.4	9.1	1.12	1.97	1

LEGEND:

SHOULDER

LANE WIDENING

Accepted Record Drawings

These plans have been reviewed for accuracy and are accepted for basic conformance to the approved construction drawings.

RECORD DRAWING

The information provided on this drawing conforms to construction records; it is not intended for construction, implementation or recording purposes; and it is solely based on information obtained by my firm.

"~~100.00~~ 100.10", "~~1.00%~~ 1.15% slope", or "8-inch ~~HDPE~~ PVC pipe" are all typical examples of revisions that indicate that design data has been replaced with "as-built" information. All other data is as designed and has not been field verified.

Date: 2/4/2022
Certified by: Matthew J. Schlicht
Title: Engineer
Firm: Engineering Solutions

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Surveying 2005008319-D
Kansas
Engineering E-1695
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

Drainage & Swale Plan at Lot 118
Construction Plans for:
The Reserve at Stoney Creek - 4th Plat
Lee's Summit, Jackson County, Missouri

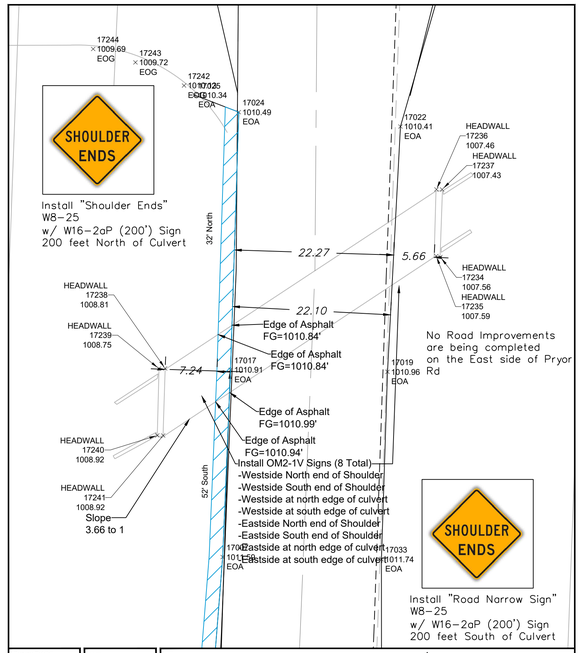
STATE OF MISSOURI
MATTHEW J. SCHLICHT
NUMBER
PE-2006019708
PROFESSIONAL ENGINEER

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

REVISIONS

2/4/2022 As-Built

C.263



Survey Exhibit
North Culvert
SHEET 1 OF 1

DATE: 8-6-2021
PROJECT NUMBER: Pryor Road
REV. TO DWG.: Pryor Road
SCALE: 1" = 10'

Survey Exhibit
North Culvert - Pryor Rd
Pryor Road
Lee's Summit, Jackson County, Missouri

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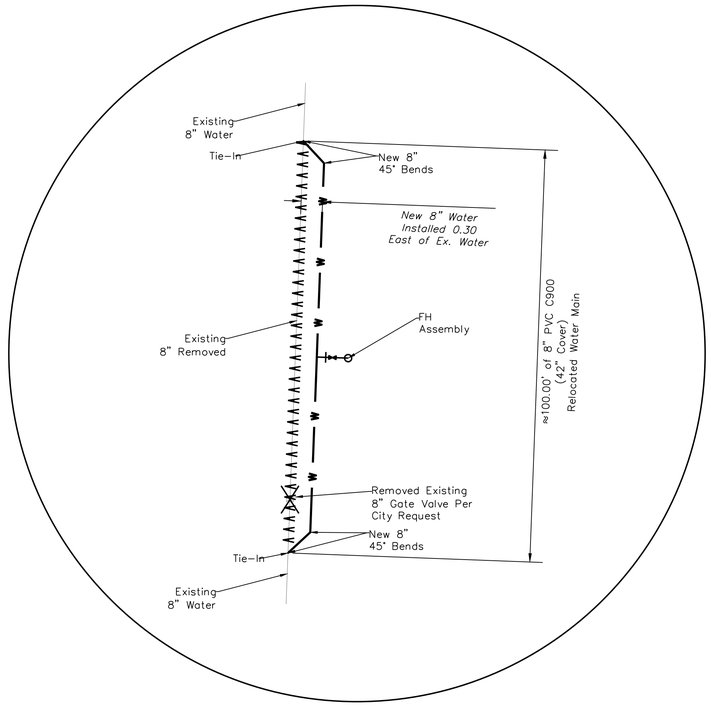
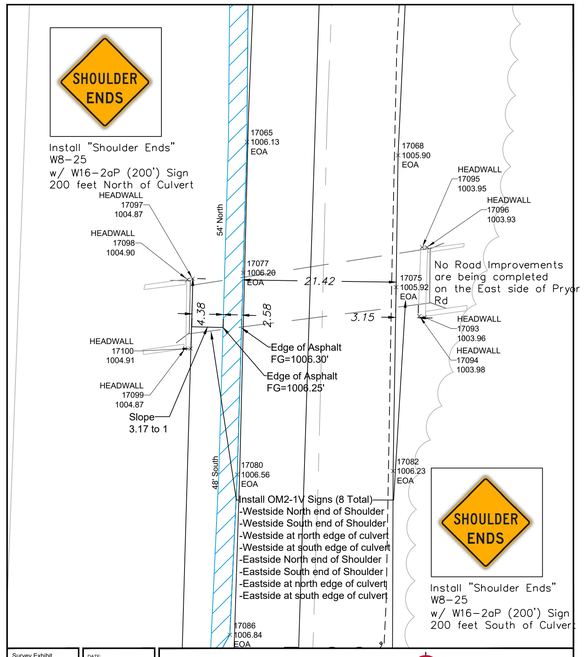


Water Connection Detail 1



Survey Exhibit
South Culvert
SHEET 1 OF 1

DATE: 8-6-2021
PROJECT NUMBER: Pryor Road
REV. TO DWG.: Pryor Road
SCALE: 1" = 10'

Survey Exhibit
South Culvert - Pryor Rd
Pryor Road
Lee's Summit, Jackson County, Missouri

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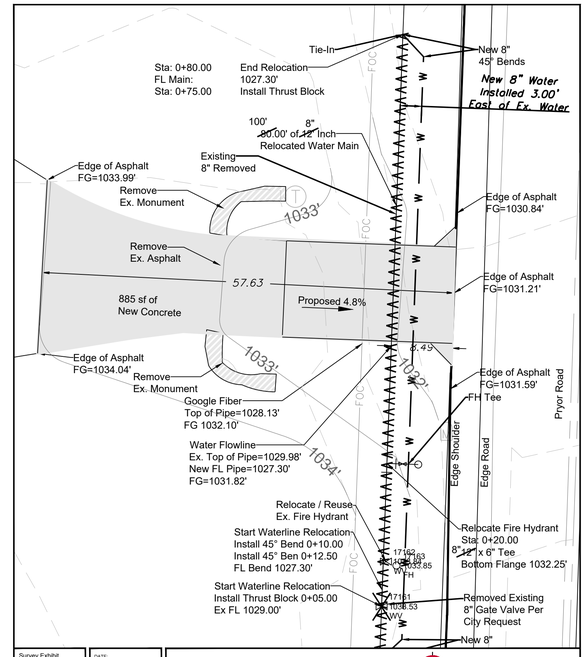

Survey Exhibit
Driveway
SHEET 1 OF 1

DATE: 10-7-2021
PROJECT NUMBER: Pryor Road
REV. TO DWG.: Pryor Road
SCALE: 1" = 10'

Survey Exhibit
4310 SW Pryor Road
Pryor Road
Lee's Summit, Jackson County, Missouri

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Accepted
Record Drawings

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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
Issue Date: October , 2018

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

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MATTHEW J. SCHLICHT
NUMBER
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REVISIONS
2/4/2022 As-Built

C.257