CONSTRUCTION PLANS FOR NW PRYOR ROAD SIGNAL IMPROVEMENTS & LANE WIDENING STREETS OF WEST PRYOR

Record Drawing

OCTOBER 2019

LEE'S SUMMIT, MISSOURI

RECORD DRAWINGS

ELECTRIC- SERVICE NATHAN MICHAEL

Katie.Darnell@spireenergy.com

WATER, SANITARY/STORM SEWER SERVICE CITY OF LEE'S SUMMIT KENT MONTER (816) 969-1900 Kent.Monter@cityofls.net

CALL BEFORE YOU DIG - DRILL - BLAST

1-800-344-7483 (TOLL FREE)

MISSOURI ONE CALL SYSTEM, INC.

UTILITY STATEMENT:

THE UNDERGROUND UTILITIES SHOWN HEREON ARE FROM FIELD SURVEY INFORMATION OF ONE-CALL LOCATED UTILITIES, FIELD SURVEY INFORMATION OF ABOVE GROUND OBSERVABLE EVIDENCE, AND/OR THE SCALING AND PLOTTING OF EXISTING UTILITY MAPS AND DRAWINGS AVAILABLE TO THE SURVEYOR AT THE TIME OF SURVEY. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. FURTHERMORE, THE SURVEYOR DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES BY EXCAVATION UNLESS OTHERWISE NOTED ON THIS SURVEY.

COMMUNICATION SERVICE

OMMUNICATION SERVICE

TIME WARNER CABLE

COMMUNICATION SERVICE

(816) 795-2218

COMMUNICATION SERVICE

COMCAST

RYAN ALKIRE

GOOGLE FIBER

BECKY DAVIS (913) 725-8745

Steve.Baxter@charter.com

Ryan.Alkire@cable.comcast.com

KC-Google-UC@google.com

rebeccadavis@google.com

CARRIE CILKE (816) 703-4386

CAUTION - NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES AT LOCATIONS OF POSSIBLE CONFLICTS PRIOR TO ANY CONSTRUCTION.

SAFETY NOTICE TO CONTRACTOR

IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

WARRANTY / DISCLAIMER

THE DESIGNS REPRESENTED IN THESE PLANS ARE IN ACCORDANCE WITH ESTABLISHED PRACTICES OF CIVIL ENGINEERING FOR THE DESIGN FUNCTIONS AND USES INTENDED BY THE OWNER AT THIS TIME. HOWEVER, NEITHER KAW VALLEY ENGINEERING, INC NOR ITS PERSONNEL CAN OR DO WARRANTY THESE DESIGNS OR PLANS AS CONSTRUCTED, EXCEPT IN THE SPECIFIC CASES WHERE KAW VALLEY ENGINEERING PERSONNEL INSPECT AND CONTROL THE PHYSICAL CONSTRUCTION ON A CONTEMPORARY BASIS AT THE SITE.

SUMMARY OF QUANTITIES									
Pavi	ng								
ltem									
No.	ltem	Estimated Quantity	Unit						
1	2' Curb & Gutter (CG-1)	1080	L.F.						
2	Asphaltic Cement Concrete Surface (2")	1240	S.Y.						
3	Asphaltic Cement Concrete Surface (7.5")	1240	S.Y.						
4	MoDOT Type 5 Base (Pavement)(12")	1570	S.Y.						
5	Terragrid SX2020	1570	S.Y.						
6	Concrete Entrance (Commercial)(8")	679	S.Y.						
7	Aggregate Base (Commercial)(Driveway)(4")	679	S.Y.						
8	Handicap Ramp	4	Ea.						
9	Modular Block Retaining Wall	34	L.F.						
10	Island Concrete (6")	54	S.F.						
11	Concrete Sidewalk (4" KCCMB 4K Concrete)	484	S.Y.						
12	Detectable Warning pad (pad only)	2'X3'	Size						

Eros	ion Control	
ltem		
No.	ltem	Estimated
1	Erosion Control Devices, Sedimentation Fence	114
2	Erosion Control Devices, Curb Inlet Protection	4

3 Erosion Control Devices, Area Inlet & Junction Box Protection

1 Traffic Signal System, NW Pryor & NW Summit Woods

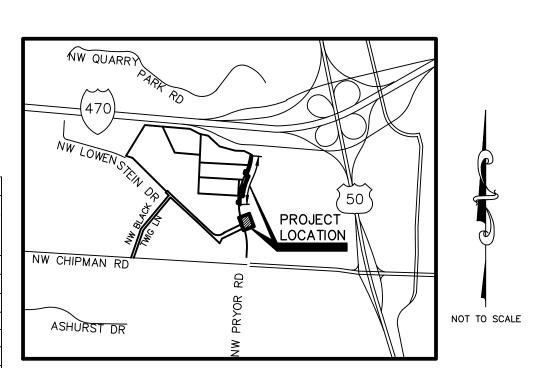
2 Traffic Signal System, NW Pryor & NW Lowenstein

3 Interconnect Cable

1 Light Pole Base

Item

<u>Pavr</u>	nent Marking & Signing		
ltem			
No.	ltem	Estimated Quantity	Unit
1	Pavement Marking, High-build Paint (Solid White)(4")	574) 5	L.F.
2	Pavement Marking, High-build Paint (Dashed White)(Extension)(6")	82	L.F.
3	Pavement Marking, High-build Paint (Solid White)(Cross-walk)(6")	220	L.F.
4	Pavement Marking, Thermoplastic (Solid White)(Stop Bar)(24")	62	L.F.
5	Pavement Marking, Thermoplastic (White)(Left/Right Arrow)	17	Ea.
6	Permanent Signs	32	S.F.
7	Sign Post (Square Steel Tube)	3	L.F.
Stor	m Sewer		
ltem			
No.	ltem	Estimated Quantity	Unit
1	Setback Curb Inlet (4'x3')	1	Ea.
2	RCP (24")(CLASS 3)	42	L.F.
	ïc Signal		
ltem			
No.	ltem	Estimated Quantity	Unit



LOCATION MAP CITY OF LEE'S SUMMIT, MISSOURI

I certify that I have reviewed the as built information provided on these record drawings and take no exception to the information provided by Emery Sapp and Sons, Inc.

Leon D. Osborn

September 2, 2020

Unit

L.F.

Ea.

Ea.

L.S.

L.F.

Ea.

2370

Estimated Quantity

Quantity

APPROVED THIS _____ _DAY OF_ OWNER: MATT PENNINGTON APPROVED THIS _ CITY APPROVAL

OWNER:STREETS OF WEST PRYOR, LLC 7200 WEST 132ND STREET OVERLAND PARK, KS 66213 CONTACT: MATT PENNINGTON email: matt@drakekc.com

PREPARED BY:
KAW VALLEY ENGINEERING, INC. 2319 N. JACKSON JUNCTION CITY, KS 66441 785-762-5040 CONTACT: LEON D OSBOURN EMAIL: Ido@kveng.com

7200 WEST 132ND STREET AGENT: DAVID N. OLSON

email: daveolson@monarchprojectllc.com

<u>DATUM BENCHMARK:</u>
VERTICAL DATUM IS NAVD 88 ESTABLISHED USING OPUS PROJECTS ON PROJECT CONTROL.

BM #1: CHISELED "SQUARE" ON TOP OF CURB POINT OF INTERSECTION OF WEST PARK PARKING LOT AT EAST DRIVE ENTRANCE. BM #2: CHISELED "SQUARE" ON NORTHWEST CORNER AREA INLET, 25'± EAST OF CURB LINE AND ON-LINE WITH SOUTH CURB OF LOWENSTEIN DRIVE AT 90° BEND IN ROAD.

ELEV=970.98

INDEX TO SHEETS

2 TYPICAL SECTIONS & GENERAL CONSTRUCTION NOTES GENERAL LAYOUT SHEET

DEMOLITION PLAN

TITLE SHEET

NW PRYOR DRIVE WIDENING - PLAN & PROFILE

11 GEOMETRIC LAYOUT - NW PRYOR ROAD AT PROPOSED PRIVATE ROAD - C

12 GRADING PLAN

13 EROSION CONTROL PLAN

14 NW PRYOR ROAD PAVEMENT MARKING PLAN

15 NW PRYOR ROAD PAVEMENT MARKING PLAN

16 TRAFFIC SIGNAL GENERAL NOTES, SIGNS & CONSTRUCTION SEQUENCING

17 SHEET NOT USED

18 TRAFFIC SIGNAL PLAN - NW PRYOR RD & NW LOWENSTEIN DR

19 TRAFFIC SIGNAL WIRE DIAGRAM - NW PRYOR RD & NW LOWENSTEIN DR

20 TRAFFIC SIGNAL QUANTITIES - NW PRYOR RD & NW LOWENSTEIN DR

21 TRAFFIC SIGNAL PLAN - NW PRYOR RD & NW SUMMIT WOODS

22 TRAFFIC SIGNAL WIRE DIAGRAM - NW PRYOR RD & NW SUMMIT WOODS

23 TRAFFIC SIGNAL QUANTITIES - NW PRYOR RD & NW SUMMIT WOODS

24 TRAFFIC INTERCONNECT PLAN, NOTES AND WIRING

25 STORM SEWER DETAIL SHEET

26 PAVEMENT MARKING DETAIL SHEET

27 SIGN AND TRAFFIC CONTROL DETAIL SHEET

28 STREET DETAIL SHEET

29 STREET DETAIL SHEET

30 TRAFFIC SIGNAL STANDARD CITY DETAILS

31 TRAFFIC SIGNAL STANDARD CITY DETAILS

32 TRAFFIC SIGNAL & STREET LIGHT STANDARD CITY DETAILS

33 STREET LIGHT STANDARD CITY DETAILS

34 EROSION CONTROL DETAIL SHEET

35 SHEET NOT USED

36 NW PRYOR ROAD - CROSS-SECTIONS

37 NW PRYOR ROAD - CROSS-SECTIONS

NW PRYOF SUMMIT, I

DR

TEIN

PRYOR / LOWENST

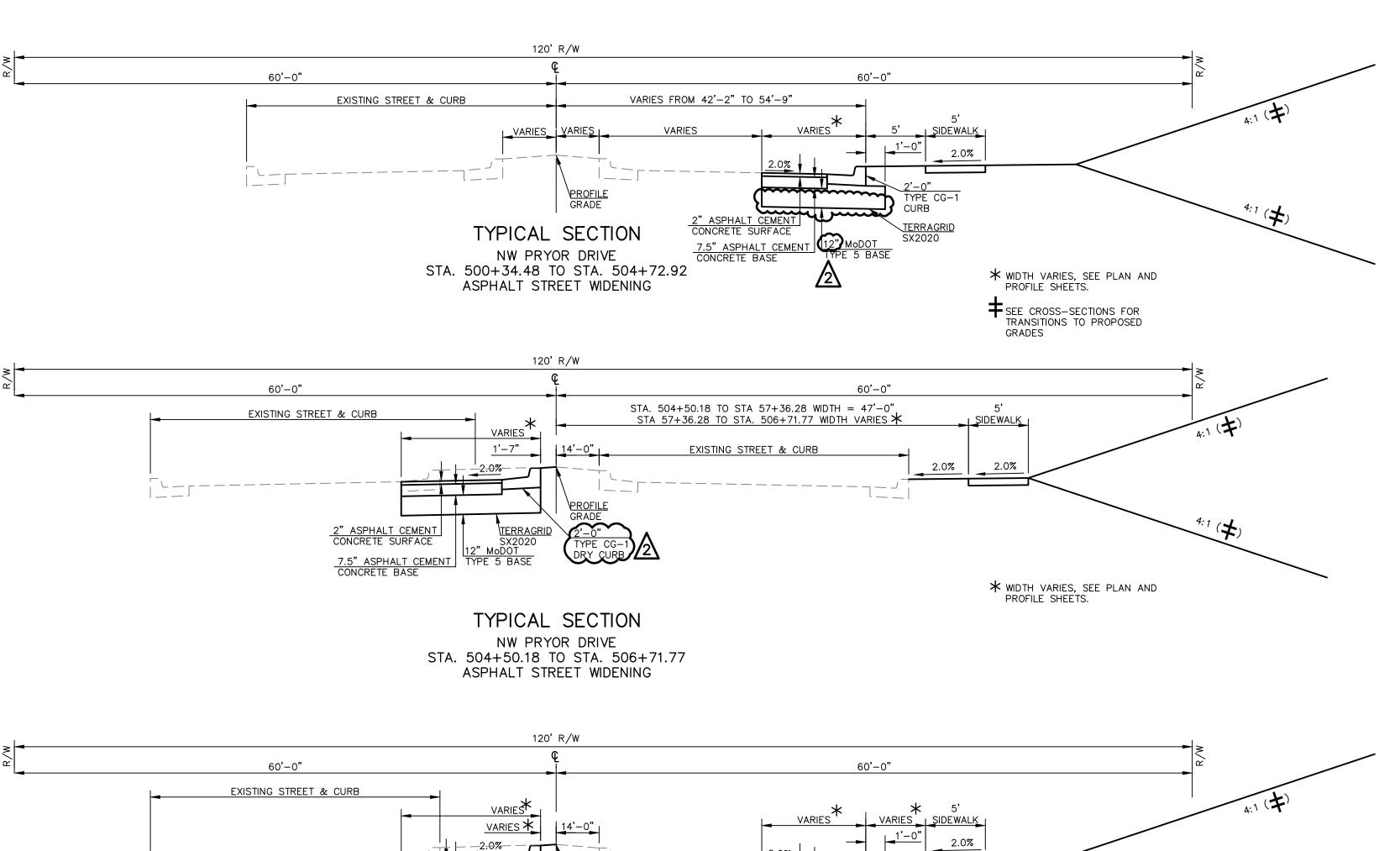
A14_7067-1 LDO JT/BKR

LEON D. OSBOURN ENGINEER

MO # 021726

ENG G

7067-1SIG_TS



TYPE CG-1 CURB OR ** TYPE CG-1 DRY CURB 2" ASPHALT CEMENT CONCRETE SURFACE 7.5" ASPHALT CEMENT TYPE 5 BASE 7.5" ASPHALT CEMENT CONCRETE BASE * WIDTH AND SLOPE VARIES. SEE PLAN AND PROFILE SHEETS, GEOMETRIC LAYOUT SHEET AND CROSS-SECTIONS. TYPICAL SECTION $f{st}$ $f{st}$ curb type varies. SEE GEOMETRIC LAYOUT SHEETS AND NW PRYOR DRIVE STA. 506+71.77 TO STA. 510+49.39 ASPHALT STREET WIDENING FSEE CROSS-SECTIONS FOR TRANSITIONS TO PROPOSED GRADES

CONSTRUCTION NOTES:

1. EXCESS EXCAVATION SHALL BE DEPOSITED IN AREAS AS DIRECTED BY THE OWNER.

2. THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE EXISTING SURFACING ON STREETS NEEDED TO BE TRAVELED UPON BY EQUIPMENT DURING CONSTRUCTION, AND IF DAMAGED, HE SHALL REPLACE THE SURFACING AND REPAIR THE STREET TO THE ORIGINAL CONDITION. NO TYPE OF EARTH MOVING EQUIPMENT WILL BE PERMITTED TO HAUL ON OR OVER ANY EXISTING

3. THE CONTRACTOR SHALL TAKE CARE IN PROTECTING EXISTING TREES AND SHRUBS OUTSIDE OF THE PROPOSED CONSTRUCTION. CARE SHALL BE TAKEN NOT TO DISTURB LAWNS OR EXISTING STRUCTURES OUTSIDE OF THE CONSTRUCTION LIMITS.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.

5. CONTRACTOR SHALL SEED ALL DISTURBED AREAS IN ACCORDANCE TO REQUIREMENTS OF TECHNICAL SPECIFICATIONS. BUILDING LOTS WILL NOT REQUIRE SEEDING BUT ALL SLOPES AND BACKFILL BEHIND CURBS SHALL BE SEEDED WITHIN RIGHT-OF-WAY LIMITS, AND ON SLOPES OF EMBANKMENTS. AREAS SHALL BE SEEDED WITHIN 28 DAYS OF FINISH GRADING OR AS DIRECTED

6. JOINT SPACING FOR CONCRETE PAVEMENT SHALL BE MODIFIED TO MEET THE CONTRACTOR'S CONSTRUCTION EQUIPMENT AND METHODS OF POURING. CONTRACTOR TO DRILL AND INSERT EPOXY-COATED DOWEL BARS INTO CONSTRUCTION JOINTS AND HEADERS. CONTRACTOR TO SAW-CUT CLEAN VERTICAL EDGE AT JOINT LOCATION. SAWED CONTRACTION JOINTS SHALL BE REQUIRED ON MAXIMUM 12'-0" CENTERS.

7. CONTRACTOR SHALL SUBMIT A JOINTING PLAN AND RECEIVE APPROVAL FROM THE ENGINEER AND CITY PRIOR TO CONCRETE PAVING OPERATIONS.

8. ALL SANITARY SEWER, WATER MAINS AND STORM SEWER UNDER PAVEMENTS SHALL BE BACKFILLED WITH MODOT TYPE 5 AGGREGATE IN TRENCHES GREATER THAN 24" AND FLOWABLE IN TRENCHES LESS THAN 24".

9. CONTRACTOR SHALL INSTALL SILT FENCE TO PREVENT SEDIMENT FROM LEAVING CONSTRUCTION LIMITS. SILT FENCE IS REQUIRED AT BOTTOM OF SLOPE ON ALL EMBANKMENTS AND AT DISCHARGE POINTS OF STREETS, STORM SEWER INLETS AND PIPE END SECTIONS.

10. PIPE LENGTHS ARE CENTER TO CENTER OF STRUCTURE OR TO END OF END SECTIONS.

11. THE CONSTRUCTION AREA SHALL BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL AND ORGANIC MATTER FROM ALL AREAS TO BE OCCUPIED BY PAVING. TOPSOIL FOR REPLACEMENT ON SLOPES MAY BE STOCKPILED ON-SITE. EXCESS TOPSOIL MAY BE WASTED IN FILL SLOPES PROVIDED THAT NO TOPSOIL WILL BE WASTED WITHIN 10 FEET OF THE EDGE OF THE BUILDING OR PARKING AREA. BURNING OF TIMBER WILL NOT BE PERMITTED UNLESS APPROVAL IS OBTAINED FROM GOVERNING OFFICIALS. STRIPPING EXISTING TOPSOIL AND ORGANIC MATTER SHALL BE TO A MINIMUM DEPTH OF 6 INCHES.

12. CONTRACTOR SHALL COMPLETE ROUGH SITE AND STREET GRADING PRIOR TO INSTALLATION OF UTILITIES.

13. EROSION CONTROL SEDIMENT FENCE SHALL BE INSTALLED 1'-0" BEHIND CURB & GUTTER UPON COMPLETION OF BACKFILL OF CURB IN ALL AREAS WHERE SLOPES FROM LOT DRAIN TOWARDS CURB. UPON COMPLETION OF FINAL GRADING THE TOES OF ALL EMBANKMENTS IN EXCESS OF TWO FEET IN HEIGHT SHALL HAVE EROSION CONTROL SEDIMENT FENCE INSTALLED.

14. CUT AND FILL SECTIONS ARE TYPICAL ONLY. NEITHER ALTERNATE PAVEMENT TYPE IS SPECIFIED FOR EXCLUSIVE USE WITH CUT OR FILL SECTIONS. REFER TO SPECIFICATIONS FOR INFORMATION ON FLY ASH TREATED SUBGRADE, CRUSHED AGGREGATE BASE COURSE, AND PAVEMENT UNDERDRAINS.

15. WHERE CURB AND GUTTER IS MONOLITHIC WITH THE STREET, THE CURVE SHALL BE POURED AT THE SAME DEPTH AS THE STREET.

16. UNLESS SPECIFIED OTHERWISE, KCMMB 4K IS REQUIRED FOR ALL CONCRETE.

20. THE STANDARD SPECIFICATIONS AND DESIGN CRITERIA OF THE CITY OF LEE'S SUMMIT SHALL GOVERN THE CONSTRUCTION OF ALL PUBLIC IMPROVEMENTS FOR THIS PROJECT.

LEGEND SECTION CORNER, ORIGIN UNKNOWN UNLESS STORM SEWER MANHOLE OTHERWISE NOTED TELEPHONE SIGN O MONUMENT FOUND, ORIGIN UNCERTAIN UNLESS OTHERWISE NOTED TELEPHONE MANHOLE (D) DESCRIBED TELEPHONE PEDESTAL (M) MEASURED UNDERGROUND TELEPHONE LINE (C) CALCULATED □ SPLICE BOX (P) PLATTED FIBER OPTIC CABLE SIGN STREET SIGN FOC ---- UNDERGROUND FIBER OPTIC CABLE □ UTILITY POLE TRAFFIC CONTROL POLE PULL BOX UTILITY POLE W/ LIGHT FLAG POLE ■ UTILITY POLE W/TRANSFORMER MAILBOX □ LIGHT POLE ADA HANDICAP SIGN ← DEADMAN ANCHOR OVERHEAD UTILITY - # LINES HANDICAP PAINTED SYMBOL ■ LEFT TURN ARROW AIR CONDITIONING UNIT → STRAIGHT ARROW E ELECTRIC PEDESTAL RIGHT TURN ARROW E ELECTRIC METER GPO GATE POST ----- E ----- UNDERGROUND ELECTRIC LINE FENCE POST UTILITY MANHOLE CTV CABLE TV SIGN WOOD FENCE CHAIN LINK FENCE CABLE TV PEDESTAL BARBED WIRE FENCE GAS SIGN DECIDUOUS TREE W/SIZE & DRIP LINE G GAS METER EVERGREEN TREE W/SIZE & DRIP LINE ---- G ----- UNDERGROUND GAS LINE GTS GAS CATHODIC PROTECTION STATION SAPPLING TREE ----- W ----- WATER LINE P STUMP ⊗ WATER LINE GATE VALVE WS WATER SPIGOT TREE LINE W WATER METER (10) PARKING STALL COUNT WELL ____ 970 ___ 1' CONTOUR INTERVAL ♥ FIRE HYDRANT S SANITARY SEWER MANHOLE RESTRICTED ACCESS B/B BACK OF CURB TO BACK OF CURB SANITARY SEWER LINE E/E EDGE TO EDGE

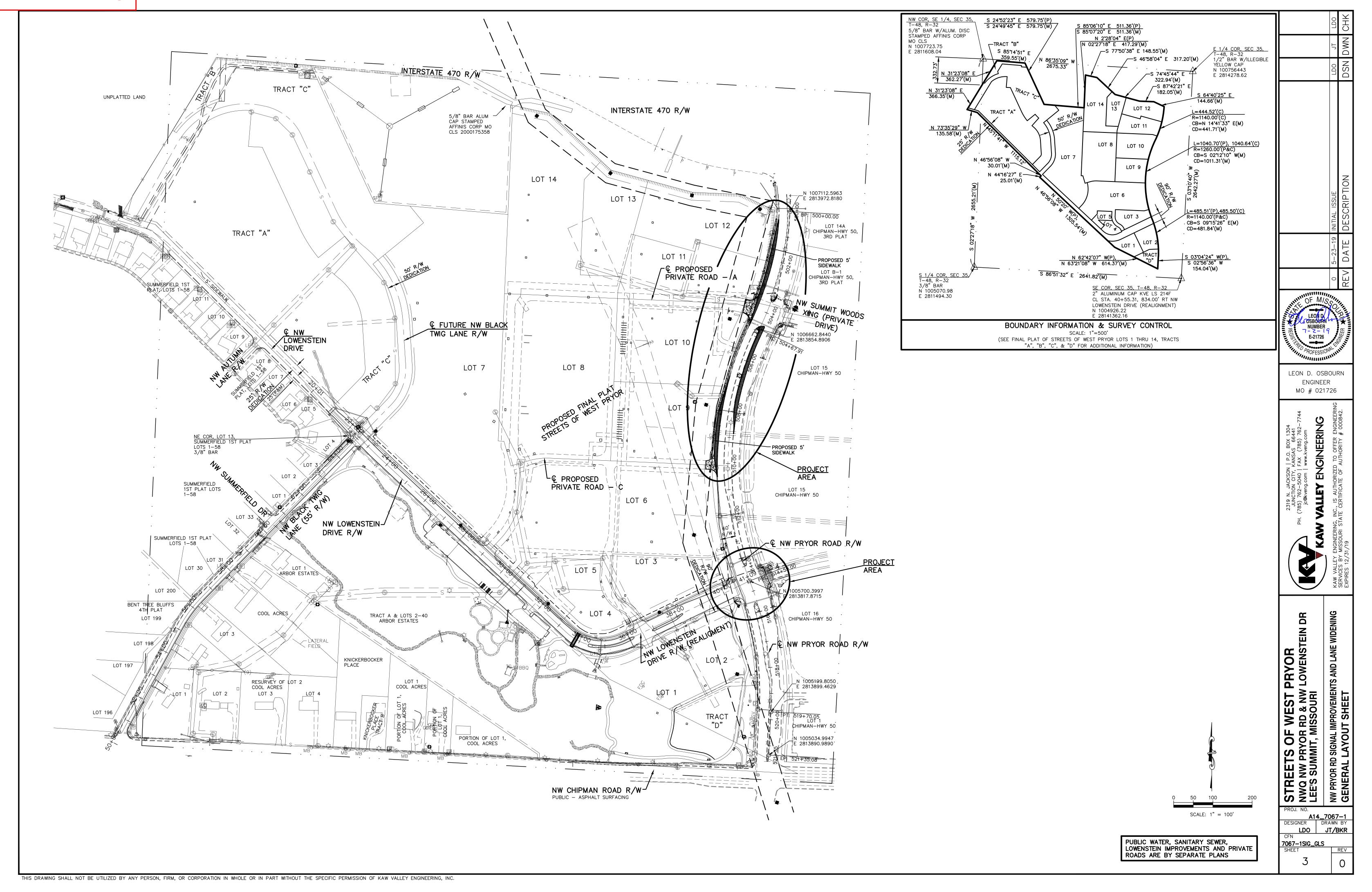
LEON D. OSBOURN ENGINEER MO # 021726

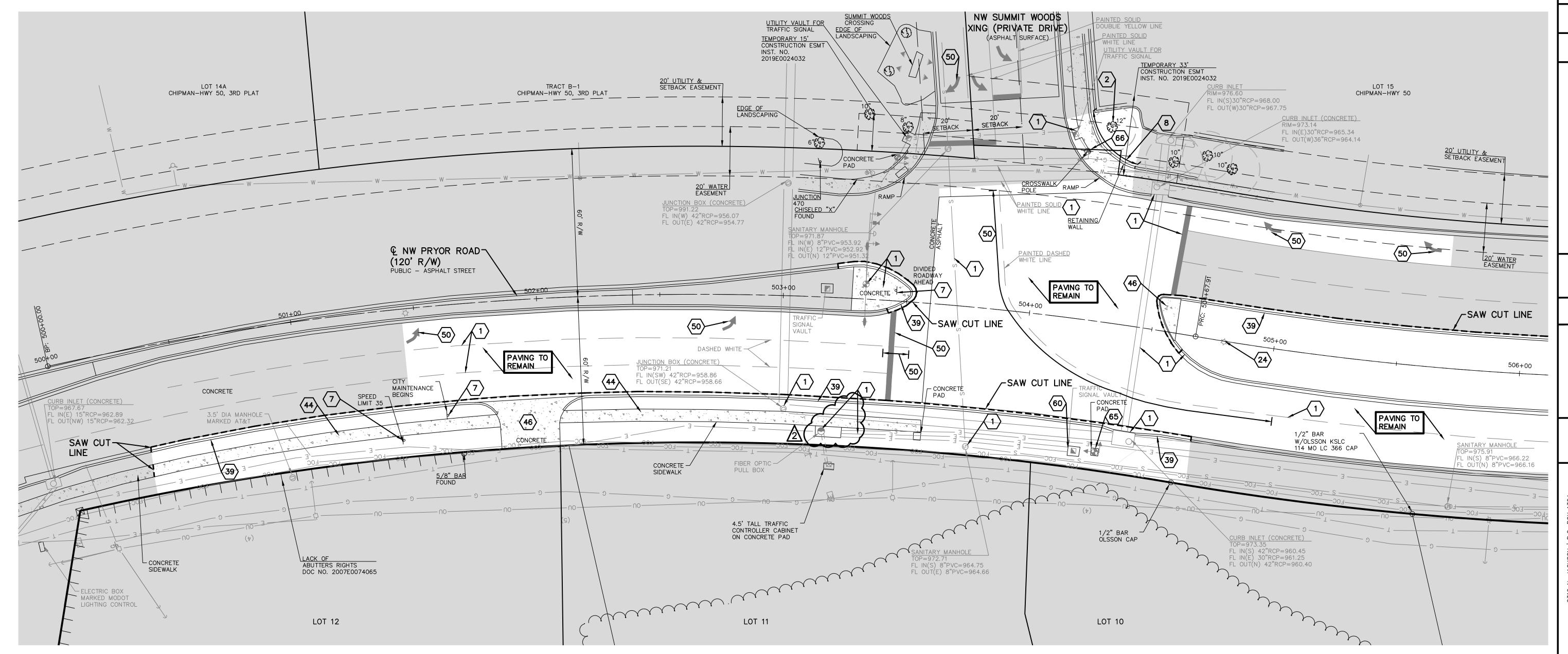
SINEERING P.O. BOX 1304 ANSAS 66441 AX (785) 762-Ž

EIN AND LANE RUCTION NO

PRY STF NWG LEE

<u>A14_7067-1</u> DESIGNER | DRAWN B LDO JT/BKR 7067-1SIG_TYP





CAUTION - NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES AT LOCATIONS OF POSSIBLE CONFLICTS PRIOR TO ANY

SAFETY NOTICE TO CONTRACTOR

CONSTRUCTION.

IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION
PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY
RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING
SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE
OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY

AND NOT BE LIMITED TO NORMAL WORKING HOURS.

GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY SITE CONDITIONS PRIOR TO BIDDING. CONTRACTOR SHALL REMOVE ALL BUILDINGS, UTILITIES, PAVEMENT, FOUNDATIONS, FENCES, CURBS AND ALL OTHER STRUCTURES FROM WITHIN PROPERTY LINES EXCEPT AS DESIGNATED "TO REMAIN" OR "TO BE REMOVED BY OTHERS", IN ACCORDANCE WITH THE SPECIFICATIONS AND THE CITY OF LEE'S SUMMIT AND STATE REGULATIONS. SITE CONDITIONS SHOWN WERE AS OF MARCH 30, 2018.

2. ALL UTILITY PIPE LINES TO BE ABANDONED SHALL BE PLUGGED PER CITY AND STATE REGULATIONS.

CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH
CONFLICT WITH PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES AT
LOCATIONS OF POSSIBLE CONFLICTS PRIOR TO ANY

3. DRIVES, PAVING AND OTHER STRUCTURES ON STREET OR HIGHWAY RIGHT—OF—WAY
SHALL BE REMOVED AS NECESSARY TO CONSTRUCT IMPROVEMENTS SHOWN ON THESE
PLANS. REMOVAL AND DISPOSAL SHALL BE IN CONFORMANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS.

4. ALL PAVING WITHIN PROPERTY TO BE REMOVED AND DISPOSED OF IN CONFORMANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

5. ALL HAZARDOUS ASBESTOS AND OTHER HAZARDOUS MATERIALS MUST BE IDENTIFIED AND REMOVED PRIOR TO ANY BUILDING DEMOLITION, IN STRICT CONFORMANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

6. CONTRACTOR SHALL VERIFY THAT ALL UTILITIES TO EXISTING STRUCTURES HAVE BEEN DISCONNECTED PRIOR TO COMMENCING DEMOLITION.

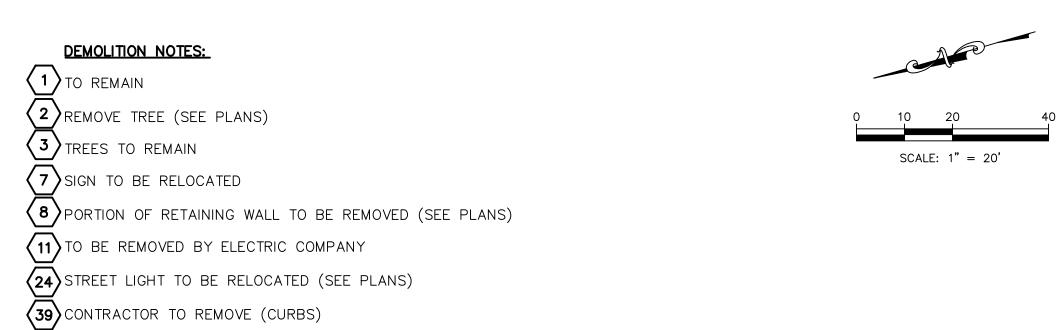
7. EXISTING POWER LINES AND APPURTENANCES TO BE RELOCATED BY KANSAS CITY POWER & LIGHT.

8. TREE LINES AND INDIVIDUAL TREES SHOWN ARE BASED ON ORIGINAL SURVEY. INITIAL CLEARING AND GRUBBING HAS BEEN COMPLETED. CONTRACTOR SHALL REMOVE ANY ADDITIONAL TREES AND SHRUB IN AREAS INDICATED FOR GRADING AND DEMOLITION.

9. COORDINATE WITH KAW VALLEY ENGINEERING PRIOR TO REMOVAL OF SECTION MONUMENTS AND PROPERTY PINS. KAW VALLEY ENGINEERING WILL RESET NECESSARY MONUMENTS WITHIN THE DISTURBED AREAS FOLLOWING DEMOLITION. CARE SHALL BE TAKEN TO PRESERVE PROPERTY PINS ALONG THE OUTSIDE PERIMETER OF THE SITE.

10. CONTRACTOR SHALL OBTAIN DEMOLITION PERMITS FOR EACH INDIVIDUAL HOUSE WITHIN THE AREA SHOWN. ALL SERVICE LINE SHUT-OFFS, WELL PLUGGING, SEPTIC TANK REMOVALS AND OTHER UTILITY REMOVALS SHALL BE HANDLED IN ACCORDANCE WITH STATE AND CITY CODES.

11. KCP&L TRANSMISSION MAIN SHALL REMAIN IN PLACE DURING DEMOLITION. FOLLOW ALL KCP&L REQUIREMENTS CONCERNING WORK IN THEIR EASEMENT AND IN PROXIMITY TO THEIR LINES, INCLUDING PROTECTION OF POLES AND SAFE WORKING DISTANCES FROM



(39) CONTRACTOR TO REMOVE (CURBS)

(44) CONTRACTOR TO REMOVE (SIDEWALK)

(46) CONTRACTOR TO REMOVE (PAVING)

CONTRACTOR TO SAND BLAST STRIPING (SEE PAVEMENT MARKING SHEETS)

TRAFFIC POLE TO BE RELOCATED. (SEE PLANS)

(66) TRAFFIC POLE TO BE REMOVED AND RETURNED TO THE CITY OF LEES SUMMIT

LEGEND

NOT A PART OF DEMOLITION ACTIVITIES

---- SAW CUT LIMITS

DATUM BENCHMARK:
VERTICAL DATUM IS NAVD 88 ESTABLISHED USING OPUS PROJECTS ON PROJECT CONTROL.

BENCHMARKS:

BENCHMARKS:

BM #1: CHISELED "SQUARE" ON TOP OF CURB POINT OF INTERSECTION OF WEST PARK PARKING LOT AT EAST DRIVE ENTRANCE. ELEV=984.97

BM #2: CHISELED "SQUARE" ON NORTHWEST CORNER

AREA INLET, 25'± EAST OF CURB LINE AND ON-LINE

ELEV=970.98

WITH SOUTH CURB OF LOWENSTEIN DRIVE AT 90°

BEND IN ROAD.

PROJ. NO.

A14_7067-1

DESIGNER DRAWN BY
LDO JT/BKR

CFN
7067-1SIG_DEMO

SHEET REV

LEON D. OSBOURN

ENGINEER

MO # 021726

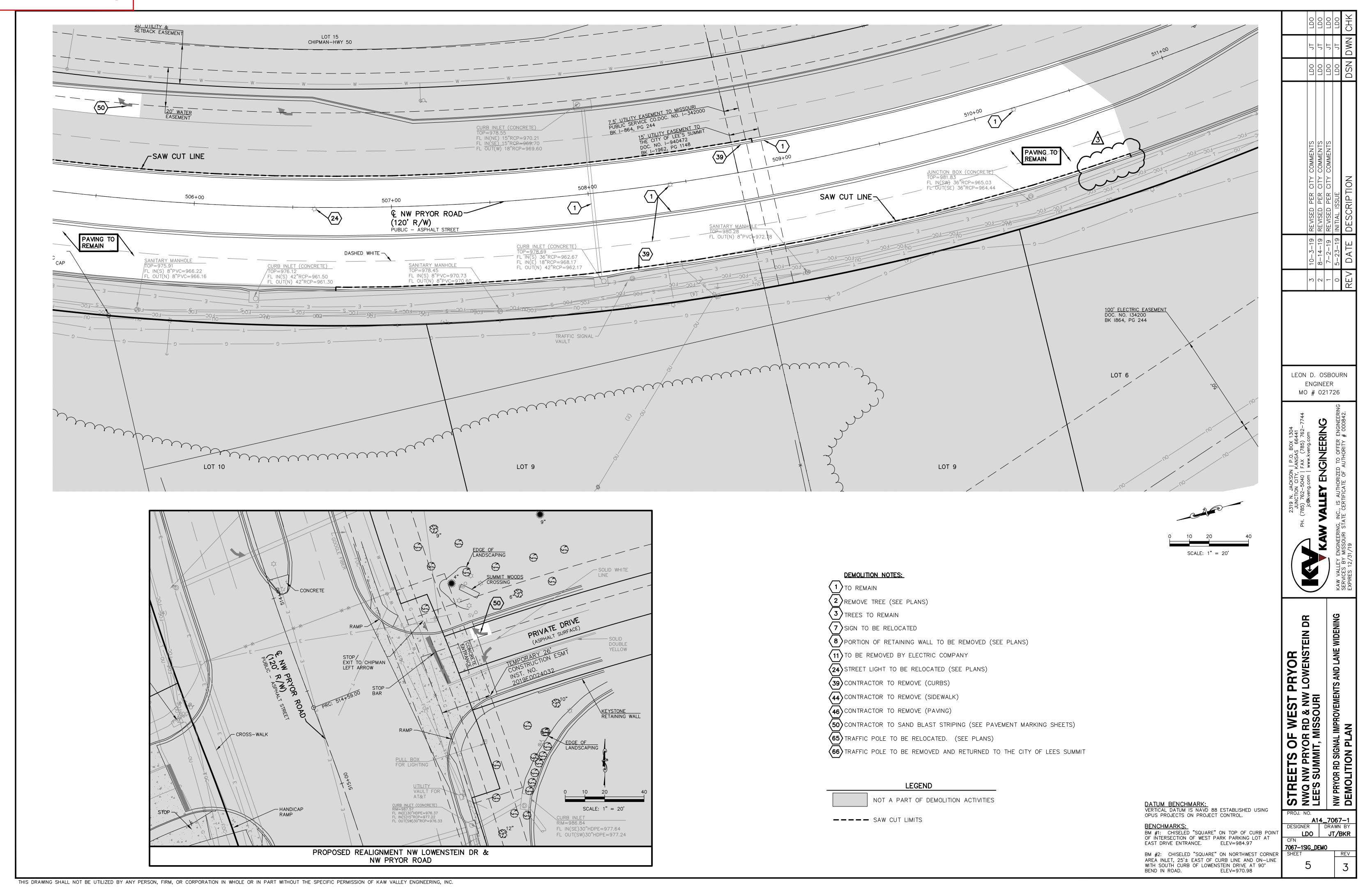
Ž

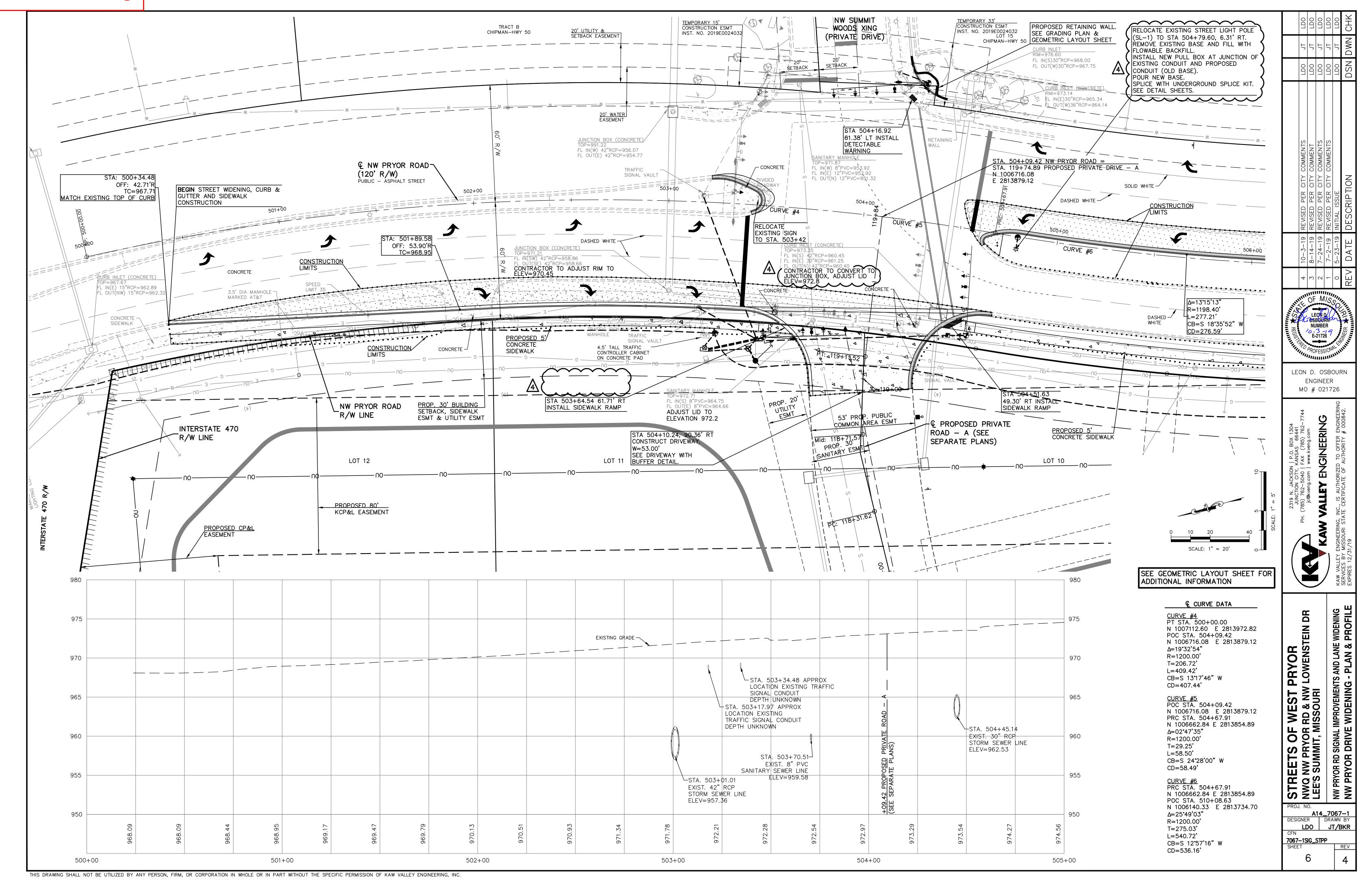
EIN

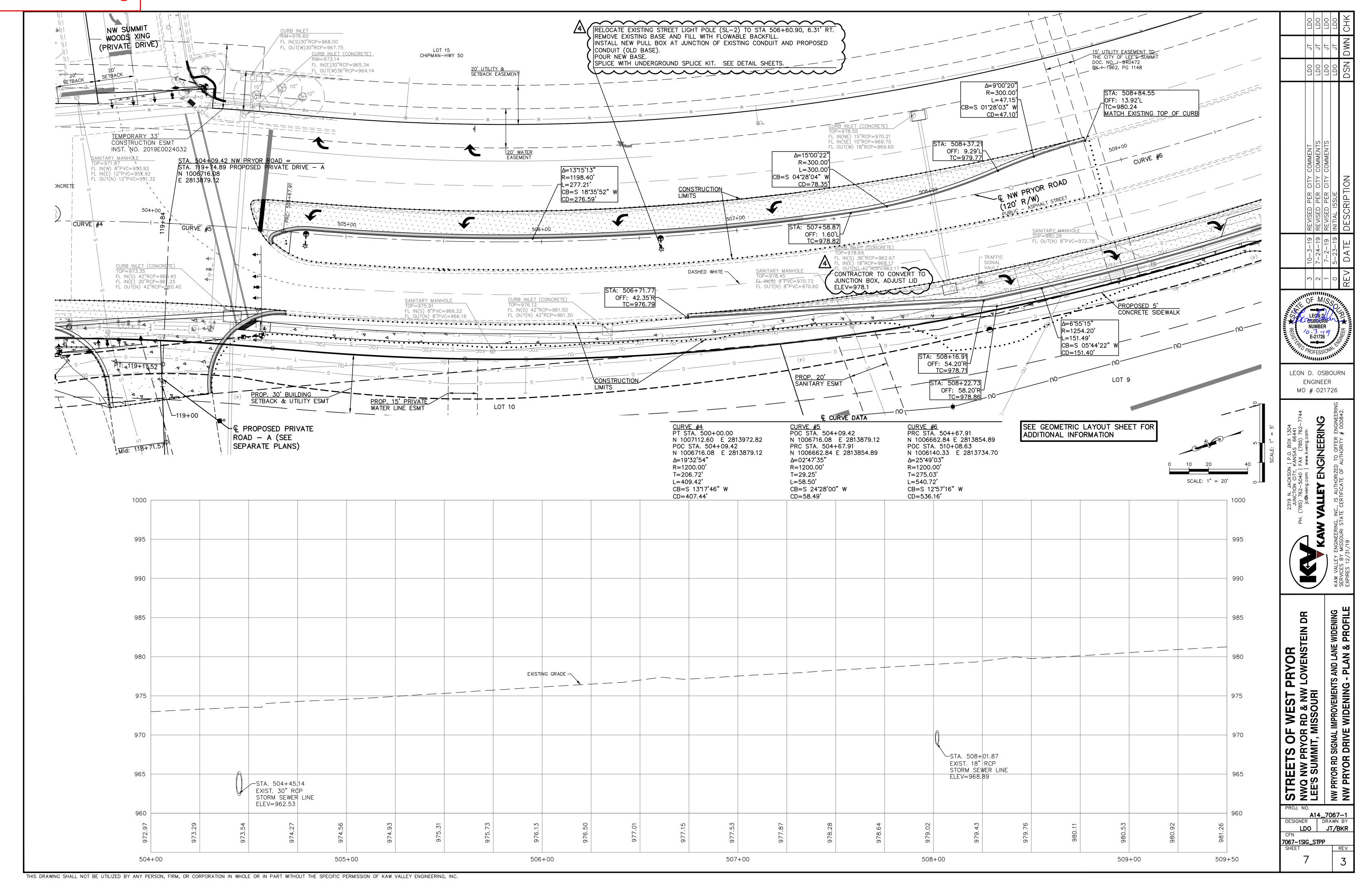
PRY LOWI

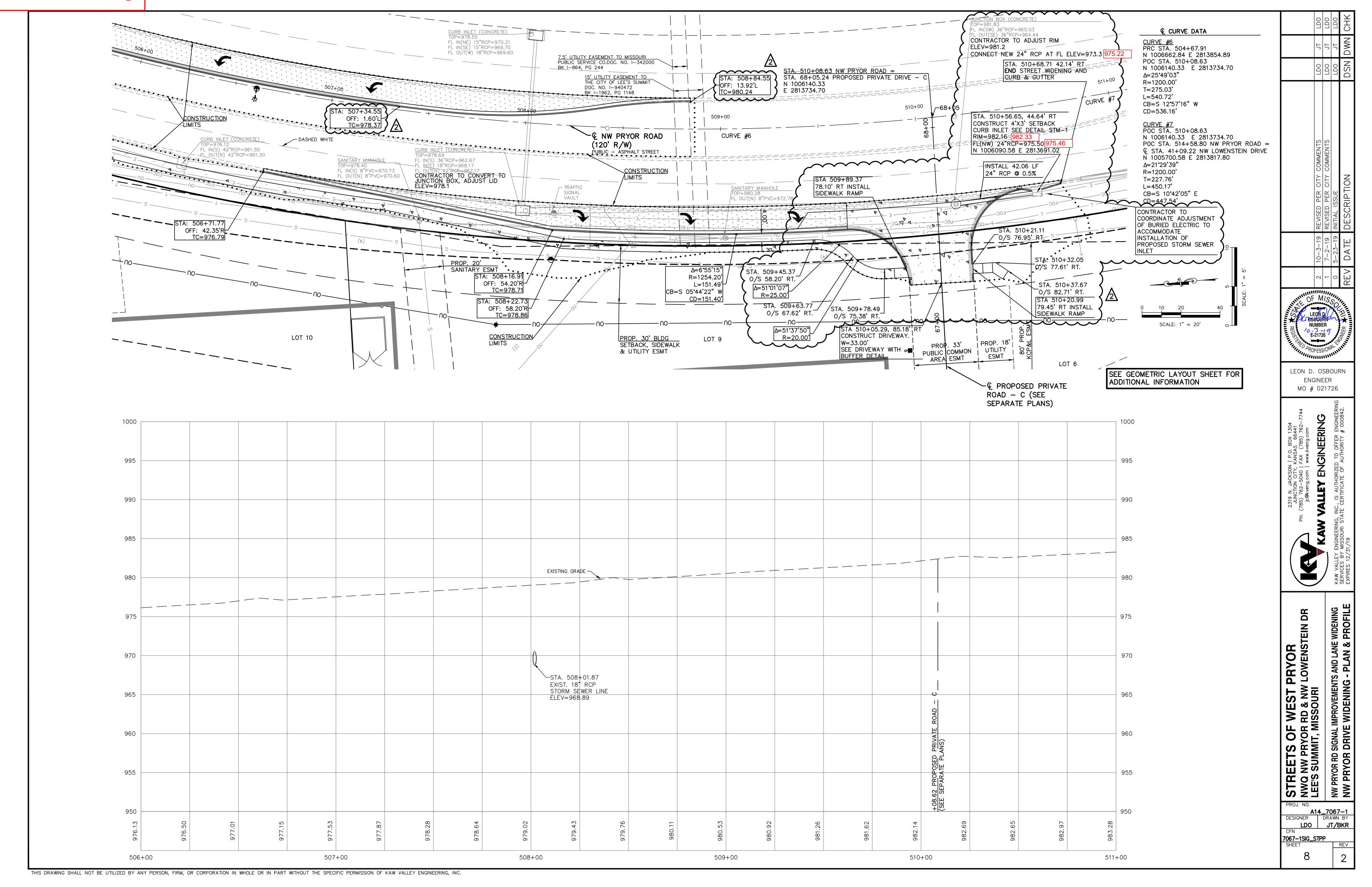
F WEST I

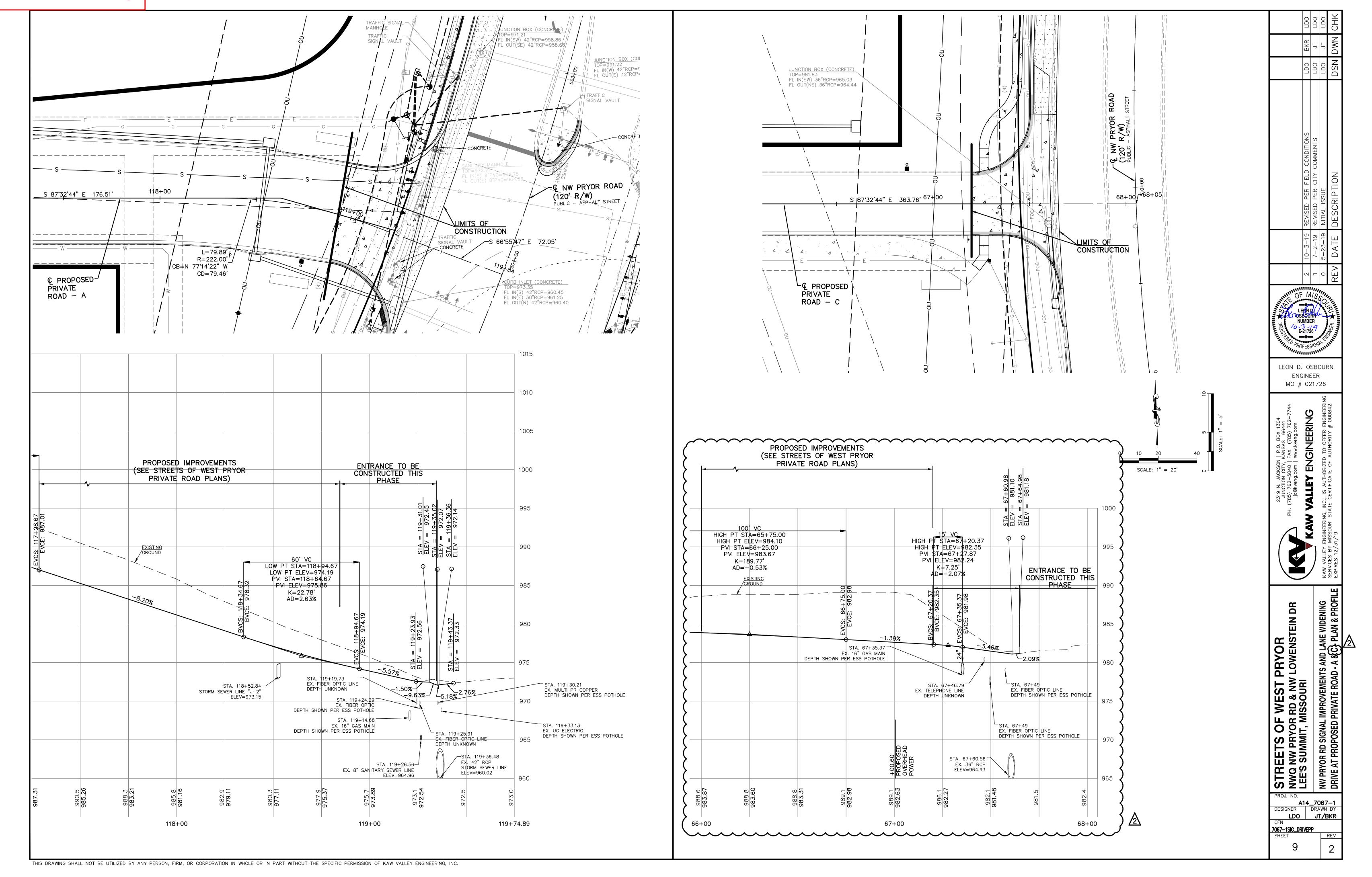
NW PRYOF SUMMIT, I

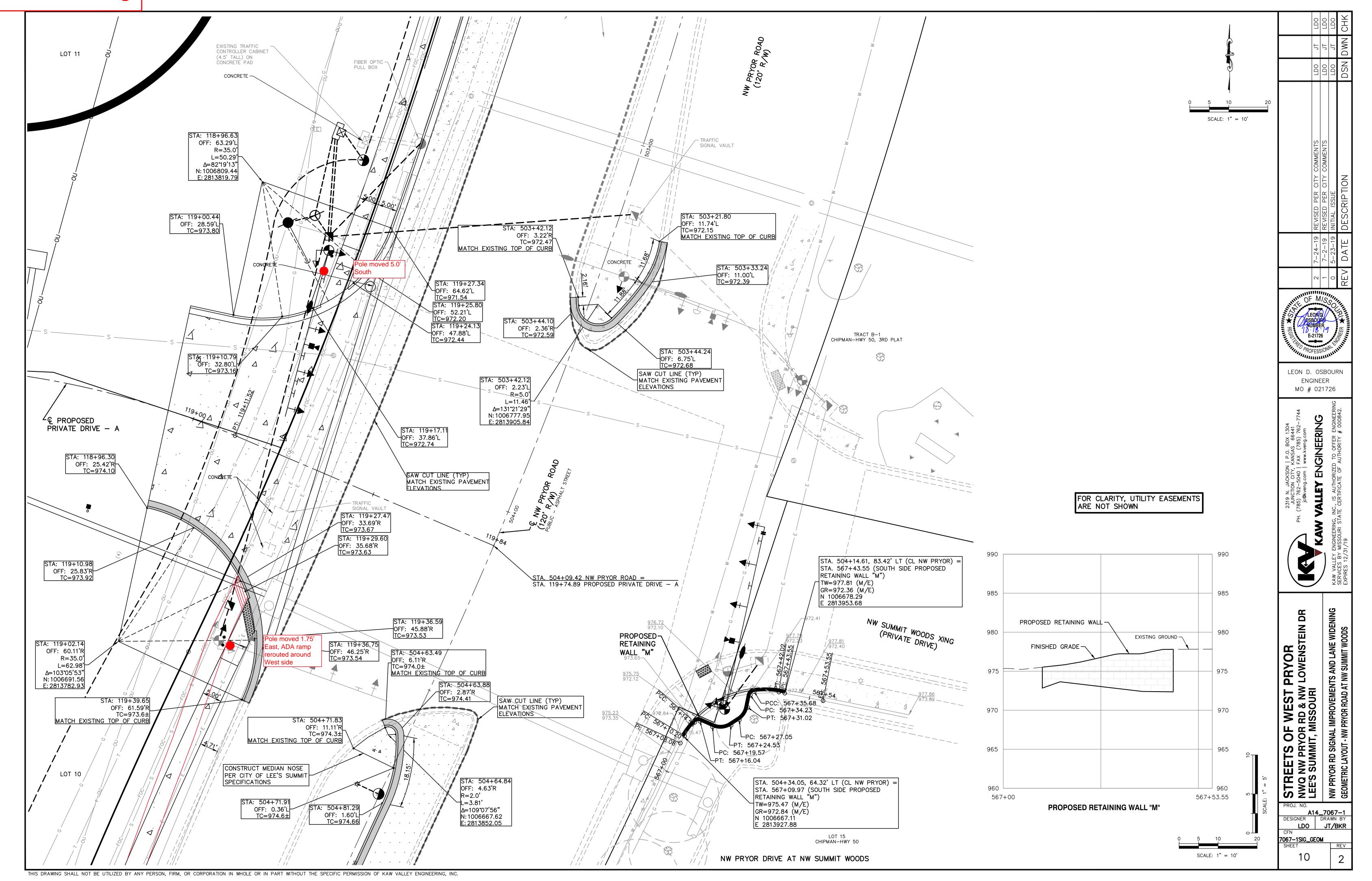


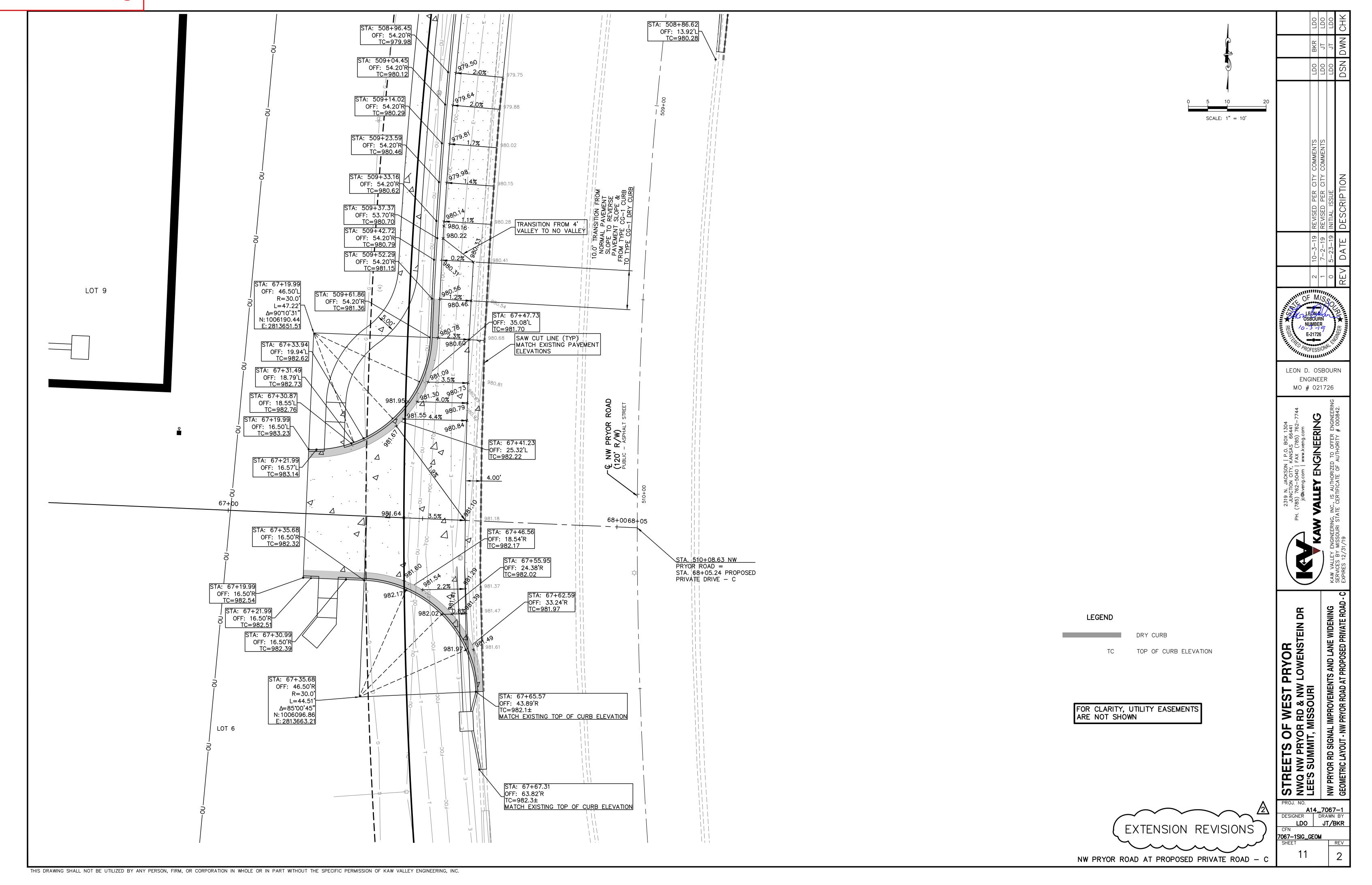


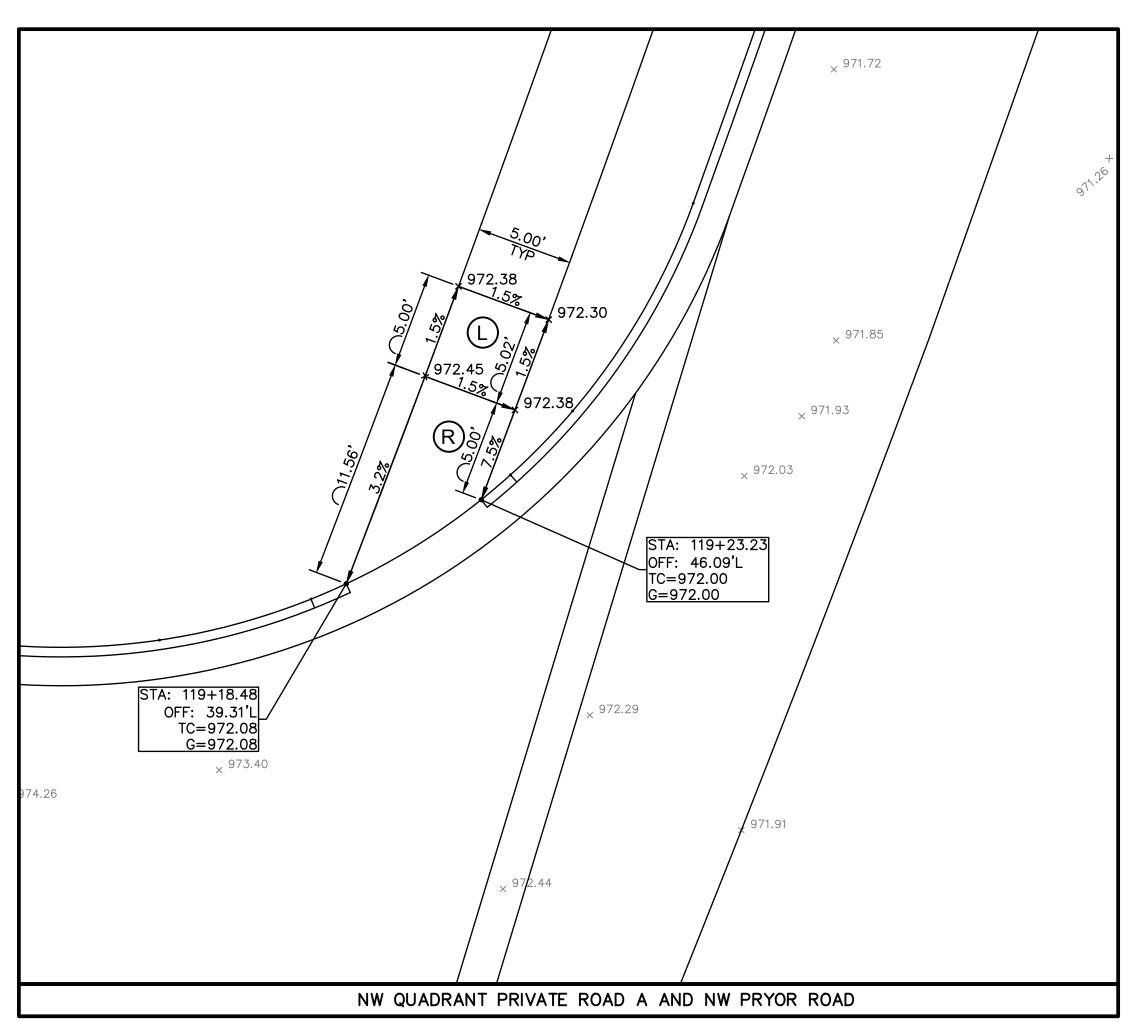


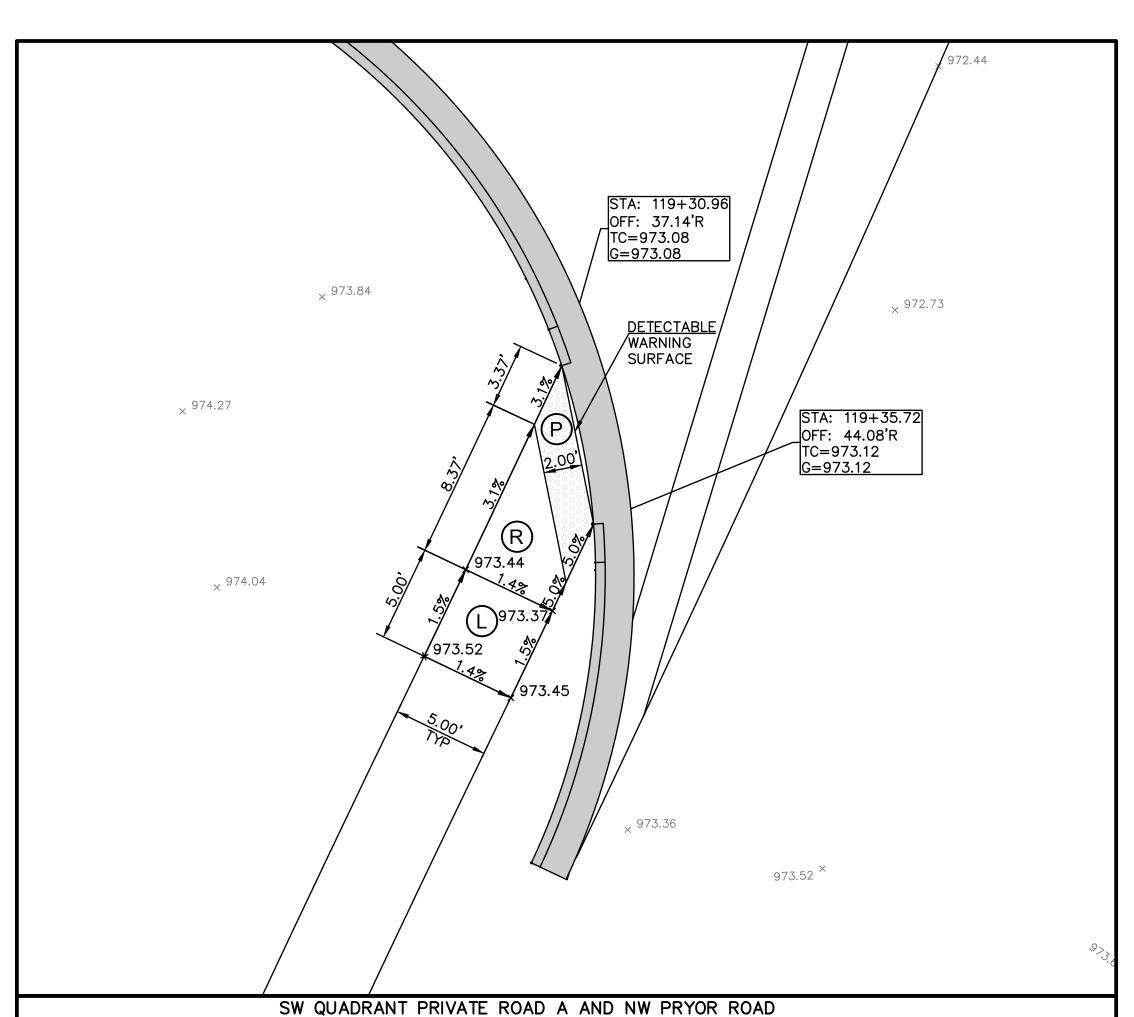


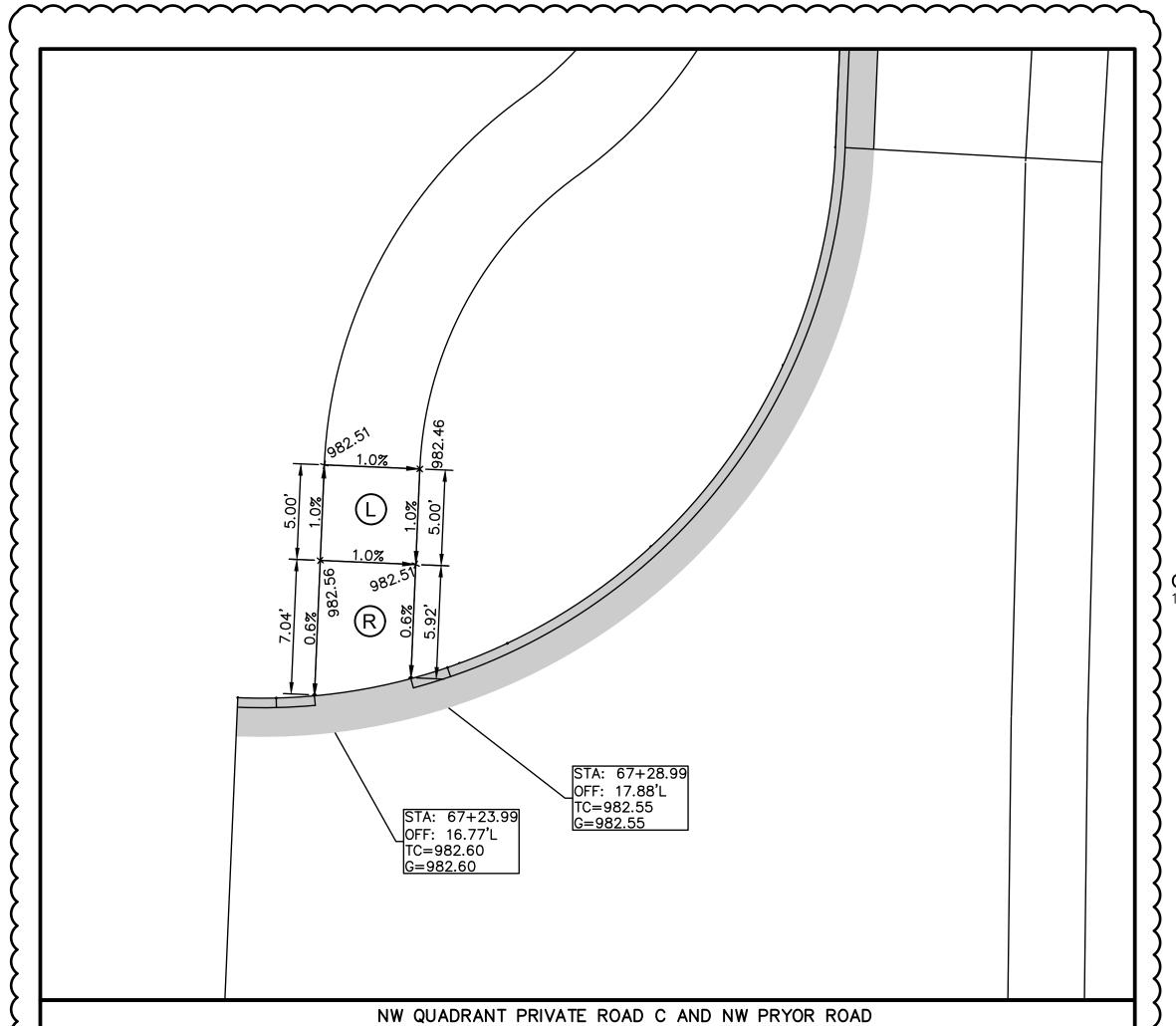


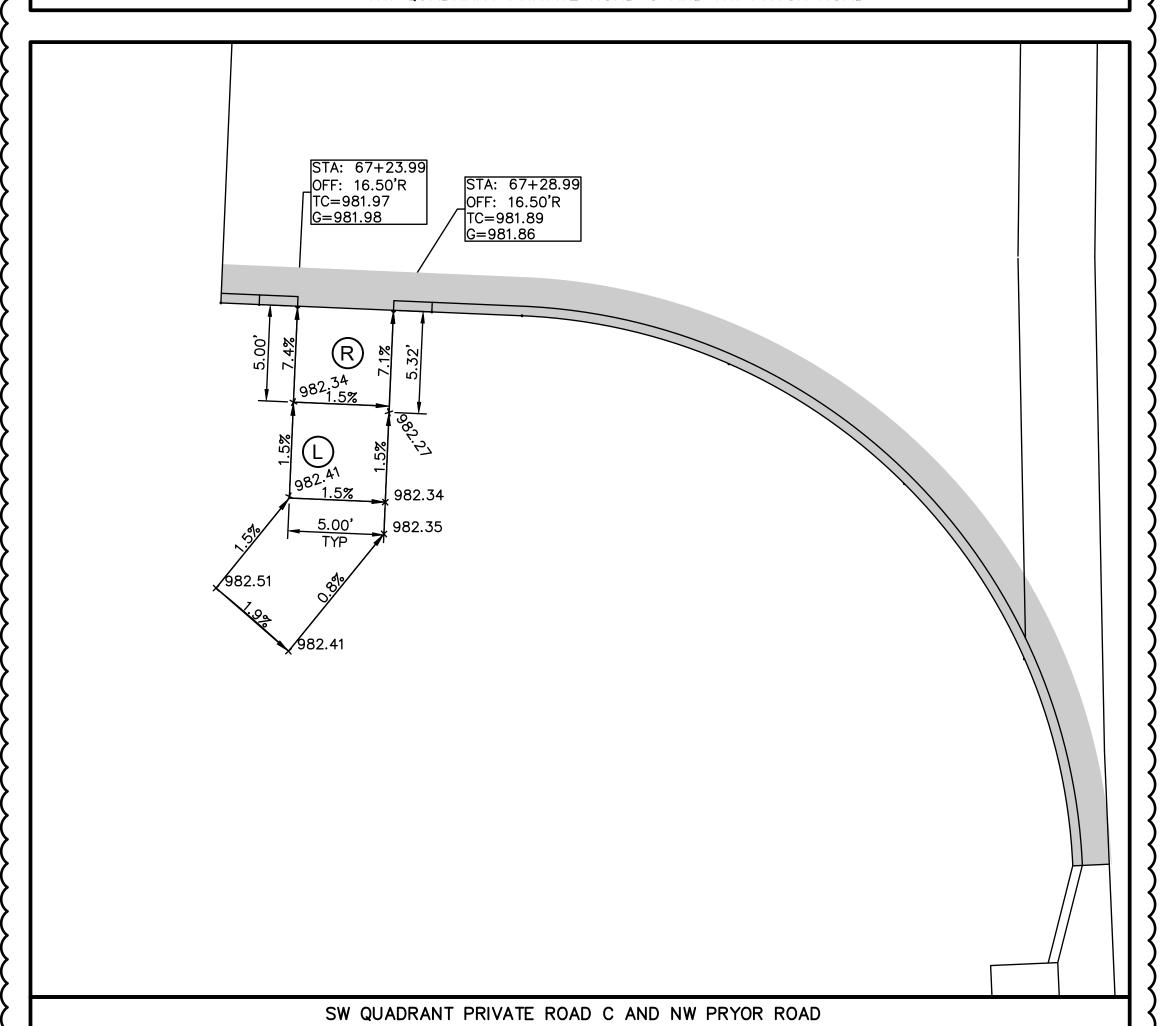


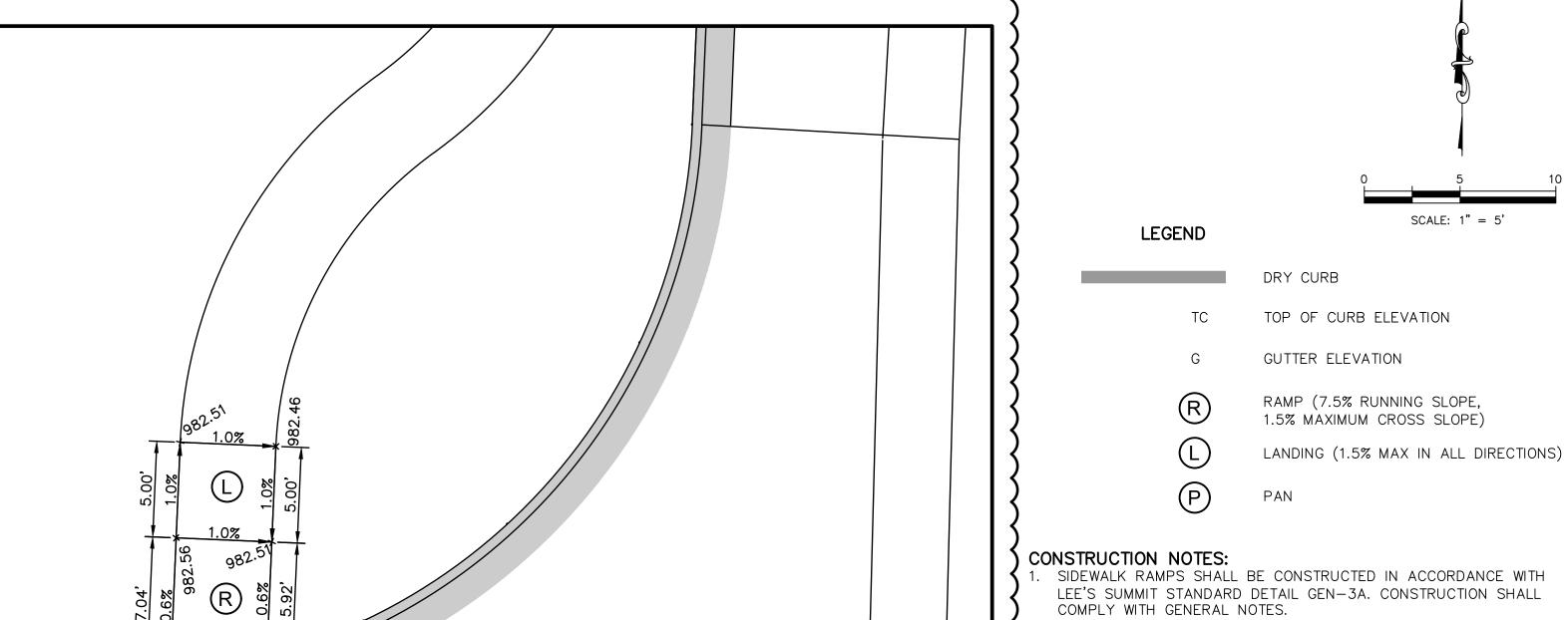






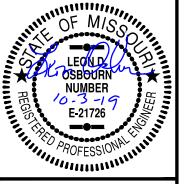






Know what's below.

Call before you dig.



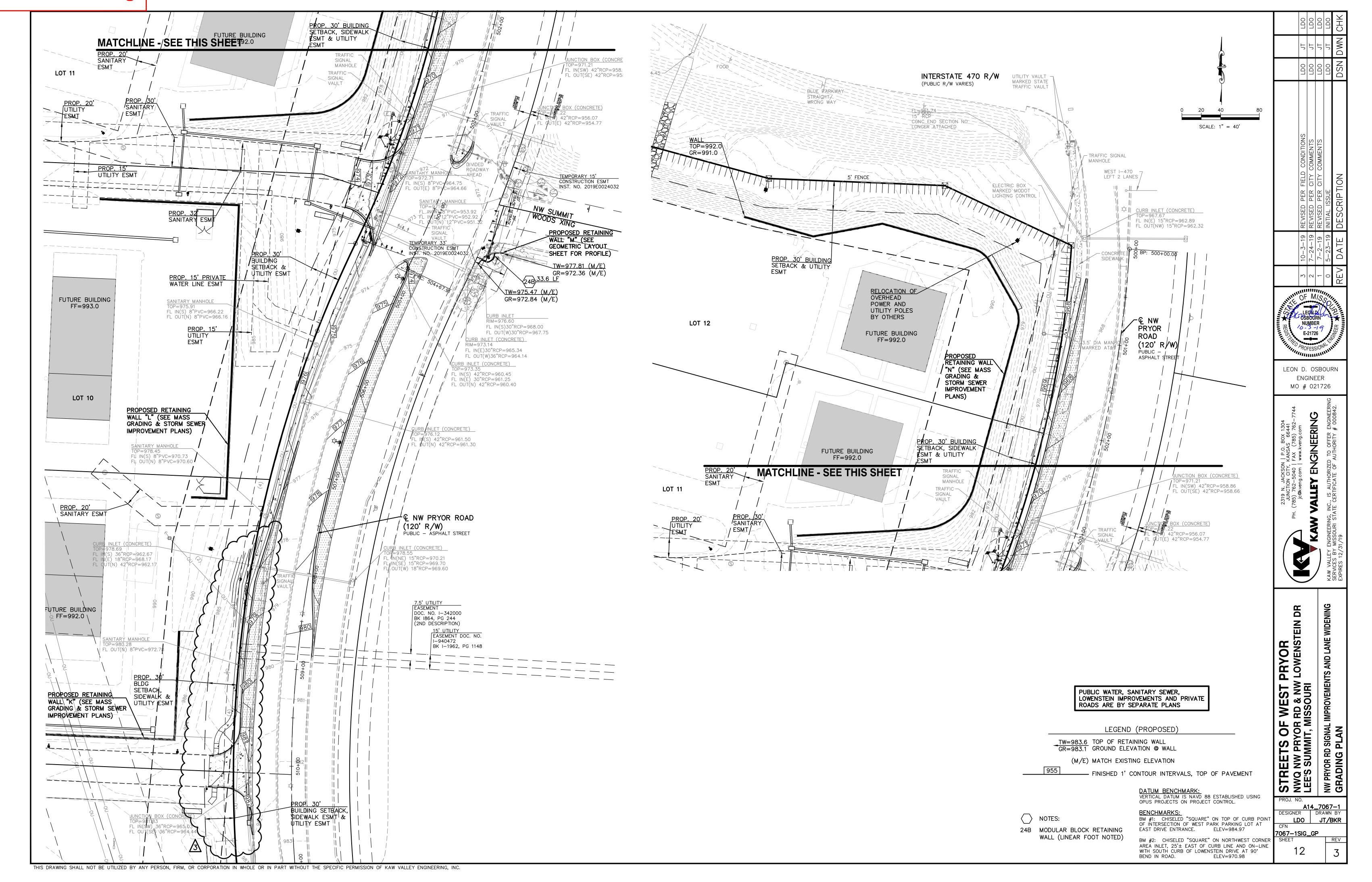
LEON D. OSBOURN ENGINEER MO # 021726

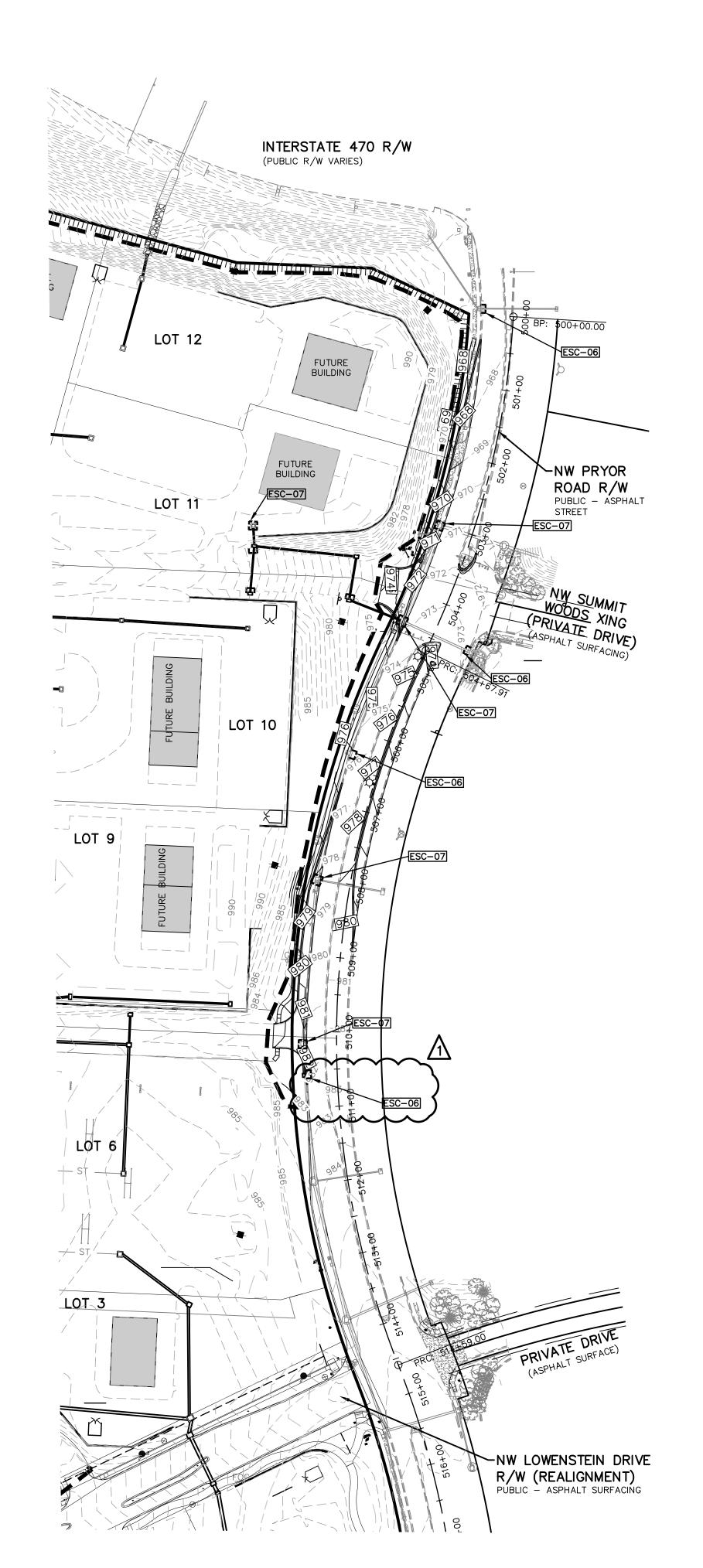
STREETS OF WEST PRYOR
NWQ NW PRYOR RD & NW LOWENSTEIN DR
LEE'S SUMMIT, MISSOURI

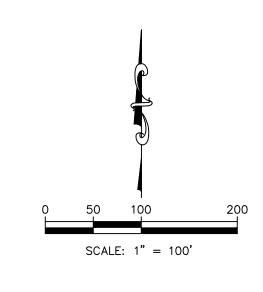
A14_7067-1

DESIGNER DRAWN BY

LDO JT/BKR







DETAILS — SEE EROSION CONTROL DETAIL SHEETS FOR THE FOLLOWING DETAILS

ESC-03 SILT FENCE ESC-06 CURB INLET PROTECTION ESC-07 AREA INLET AND JUNCTION BOX PROTECTION

EROSION & PROPOSED IMPROVEMENTS LEGEND:

-----970 --- EXISTING GROUND CONTOUR (1' INTERVALS)

970 PROPOSED FINISHED GROUND CONTOUR (1' INTERVALS)

SEDIMENTATION FENCE

GENERAL NOTES:

ALL MUD AND DEBRIS.

1. PROPERTY LINE IS LIMITS OF CONSTRUCTION EXCEPT AS SHOWN.

2. THE CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE DRAWINGS PRIOR TO BEGINNING EARTHWORK OPERATIONS.

- THE CONTRACTOR SHALL MAINTAIN ALL SILT CONTROL MEASURES DURING CONSTRUCTION.
 ALL SILT SHALL REMAIN ON SITE AND SURROUNDING STREETS SHALL BE KEPT CLEAR OF
- 5. A SEDIMENTATION BARRIER IS TO BE INSTALLED AS SHOWN.
- 6. ACCUMULATED SEDIMENT SHALL BE REMOVED AND THE SEDIMENTATION BARRIERS MAINTAINED AS NEEDED TO PREVENT SEDIMENTATION BYPASS OF THE BARRIER.
- 7. SLOPES ARE TO BE LEFT IN A ROUGH CONDITION DURING GRADING.
- 8. CURB INLET SEDIMENTATION BARRIERS ARE TO BE INSTALLED AROUND INLETS AND WEIRS WHERE SEDIMENTATION IS A CONCERN. INLET BARRIERS SHALL BE EITHER BLOCK AND GRAVEL, OR SECURED STRAW BALES, OR SILT FENCE.
- 9. SEDIMENT IS TO BE REMOVED FROM STORM WATER DRAINAGE SYSTEMS.
- 10. RIPRAP IS TO BE INSTALLED AT AREAS OF CONCENTRATED FLOW (I.E. CULVERT OUTLETS).
- 11. CONTRACTOR IS RESPONSIBLE FOR INSTALLING ANY ADDITIONAL EROSION CONTROL AS HE/SHE DEEMS NECESSARY.
- 12. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, TOOLS, EQUIPMENT AND LABOR AS NECESSARY TO INSTALL AND MAINTAIN ADEQUATE EROSION AND SILTATION CONTROLS REQUIRED TO PREVENT SOIL EROSION FROM LEAVING THE PROJECT SITE. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO ENSURE THAT METHODS UTILIZED ARE ADEQUATE AND COMPLY WITH REQUIREMENTS OF THE SPECIFICATIONS AND GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE WORK.
- 13. TEMPORARY SEDIMENT FENCE TO REMAIN UNTIL ADEQUATE VEGETATION IS ESTABLISHED.
- 14. MUD AND DEBRIS SHALL BE CLEANED UP AT THE CONCLUSION OF EACH WORKING DAY, OR AFTER EACH RAINFALL IF SILT IS PRESENT.
- 15. INSPECTION, MAINTENANCE AND REPAIR OF EROSION CONTROL DEVICES SHALL BE ON GOING THROUGHOUT THE LIFE OF BUILDING CONSTRUCTION TO KEEP THE DEVICES IN OPERABLE CONDITION AT ALL TIMES. ADDITIONAL MEASURES SHALL BE INSTALLED AS REQUIRED BY ACTUAL FIELD CONDITIONS AND/OR GOVERNING INSPECTION AGENCIES.
- 16. INSTALL CONSTRUCTION ENTRANCE AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING THE SITE AND AS SHOWN ON PLANS.

- 17. AT COMPLETION OF SITE GRADING AND OTHER RELATED CONSTRUCTION ACTIVITIES, ALL DISTURBED AREAS WITHIN THE PROJECT SITE SHALL BE SEEDED, SODDED, OR LANDSCAPED AS SHOWN ON THE LANDSCAPE PLAN WITHIN 14 DAYS.
- 18. TOPSOIL IS TO BE PLACED IN AREAS UNSUITABLE FOR VEGETATIVE GROWTH.
- 19. STRIP TOPSOIL PRIOR TO EXCAVATION, STOCKPILE AND SPREAD ONTO DISKED SUBGRADE (4" MIN) A THICKNESS OF 4 INCHES.
- 20. ROCK LINING (RIPRAP) SHALL BE DURABLE STONE CONTAINING A COMBINED TOTAL OF NOT MORE THAN 10 PERCENT OF EARTH, SAND, SHALE AND NON-DURABLE ROCK. AT LEAST 60 PERCENT OF THE MASS SHALL BE OF PIECES HAVING A MINIMUM WEIGHT OF 150 POUNDS OR MORE PER CUBIC FOOT.
- 21. THE CONTRACTOR SHALL HAVE THE RESPONSIBILITY FOR RESOLVING COMPLAINTS IN THE EVENT THAT COMPLAINTS OR DAMAGE CLAIMS ARE FILED DUE TO DAMAGES OCCURRING ADJACENT TO OR DOWNSTREAM FROM PROPERTY BY SEDIMENT RESULTING FROM EROSION ON THE PROJECT SITE.
- 22. GOOD HOUSEKEEPING PRACTICES SHALL BE MAINTAINED ON SITE TO KEEP SOLID WASTE FROM ENTRY INTO WATERS.
- 23. ALL FUELING FACILITIES PRESENT ON SITE SHALL ADHERE TO APPLICABLE FEDERAL AND STATE REQUIREMENTS CONCERNING UNDERGROUND STORAGE, ABOVE GROUND STORAGE AND DISPENSERS, INCLUDING SPILL PREVENTION, CONTROL AND COUNTER MEASURES.
- 24. RIGHT OF WAY TO BE STABILIZED AS REQUIRED BY APWA SECTION 2400.
- 25. EROSION CONTROL IS TO BE PLACED IN PHASING AS CONSTRUCTION PROGRESSES.
- 26. MINIMAL WASHING OF CONCRETE EQUIPMENT ALLOWED, CHUTE ETC. CONCRETE WASHOUT OF THE DRUM IS NOT ALLOWED. ANY PIT/WASHOUT AREA NEEDS TO BE MAINTAINED IN A NON-DISCHARGING MANNER AND ANY WASTE RESIDUE WILL NEED TO BE CLEANED OUT AND REMOVED AT THE END OF PROJECT.
- 27. EROSION CONTROL SEDIMENT FENCE TO BE INSTALLED 1'-0" BEHIND CURB & GUTTER UPON COMPLETION OF BACKFILL OF CURB IN ALL AREAS WHERE SLOPES FROM LOT DRAIN TOWARDS CURB. UPON COMPLETION OF FINAL GRADING THE TOES OF ALL EMBANKMENTS IN EXCESS OF TWO FEET IN HEIGHT WILL HAVE EROSION CONTROL SEDIMENT FENCE INSTALLED.

THE DESCRIPTION

THE TOTAL STATE TO THE TITOR TO THE TOTAL STATE TO TH

OF M/SS
LEON D
NUMBER
PROFESSIONALITY
PROFESSI

LEON D. OSBOURN ENGINEER MO # 021726

2319 N. JACKSON | P.O. BOX 1304
JUNCTION CITY, KANSAS 66441
PH. (785) 762–5040 | FAX (785) 762–7744
jc@kveng.com | www.kveng.com | www.kveng.c

DR KAW VALLEY ENGINEER

EETS OF WEST PRYOR

NW PRYOR RD & NW LOWENSTEIN DR

S SUMMIT, MISSOURI

PROJ. NO.

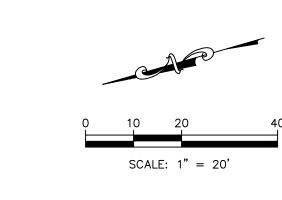
A14_7067-1

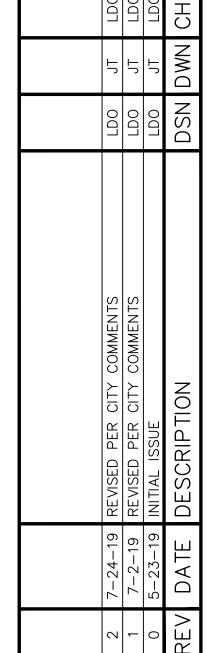
DESIGNER DRAWN BY

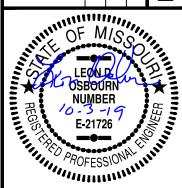
LDO JT/BKR

13

7067-1SIG_ECP







LEON D. OSBOURN MO # 021726

FENGINEERING
HORIZED TO OFFER ENGINEEF
ATE OF AUTHORITY # 000842

STREETS OF WEST PRYOR

NWQ NW PRYOR RD & NW LOWENSTEIN DR

LEE'S SUMMIT, MISSOURI

NW PRYOR RD SIGNAL IMPROVEMENTS AND LANE WIDENING

NW PRYOR ROAD PAVEMENT MARKING PLAN

A14_7067-1

DESIGNER DRAWN BY

LDO JT/BKR

CFN

7067-1SIG_PMP SHEET

LOT 14A CHIPMAN—HWY 50, 3RD PLAT	TRACT B-1 CHIPMAN-HWY 50, 3	3RD PLAT	NW SUMMIT WOODS XING (PRIVATE DRIVE)
Solition = = = = = = = = = = = = = = = = = = =	© NW PRYOR ROAD (120' R/W) PUBLIC - ASPHALT STREET =================================	DIVIDED ROADWAY AREAD	504+00 (DD)
LOT 12		LOT 11	© PROPOSED PRIVATE ROAD - A (SEE SEPARATE PLANS) ■ O

NOTE:

1. PAVEMENT MARKING SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH THE CURRENT CITY OF LEE'S SUMMIT PAVEMENT MARKING STANDARDS.

2. ALL DIMENSIONS REFERENCING DOUBLE YELLOW LINES REFERS TO THE CENTER OF THE SPACE BETWEEN THE TWO DOUBLE YELLOW LINES.

3. CONTRACTOR TO GRIND OFF CONFLICTING PAVEMENT MARKING.

(AA) 4" SOLID WHITE LINE (HIGH BUILD PAINT)

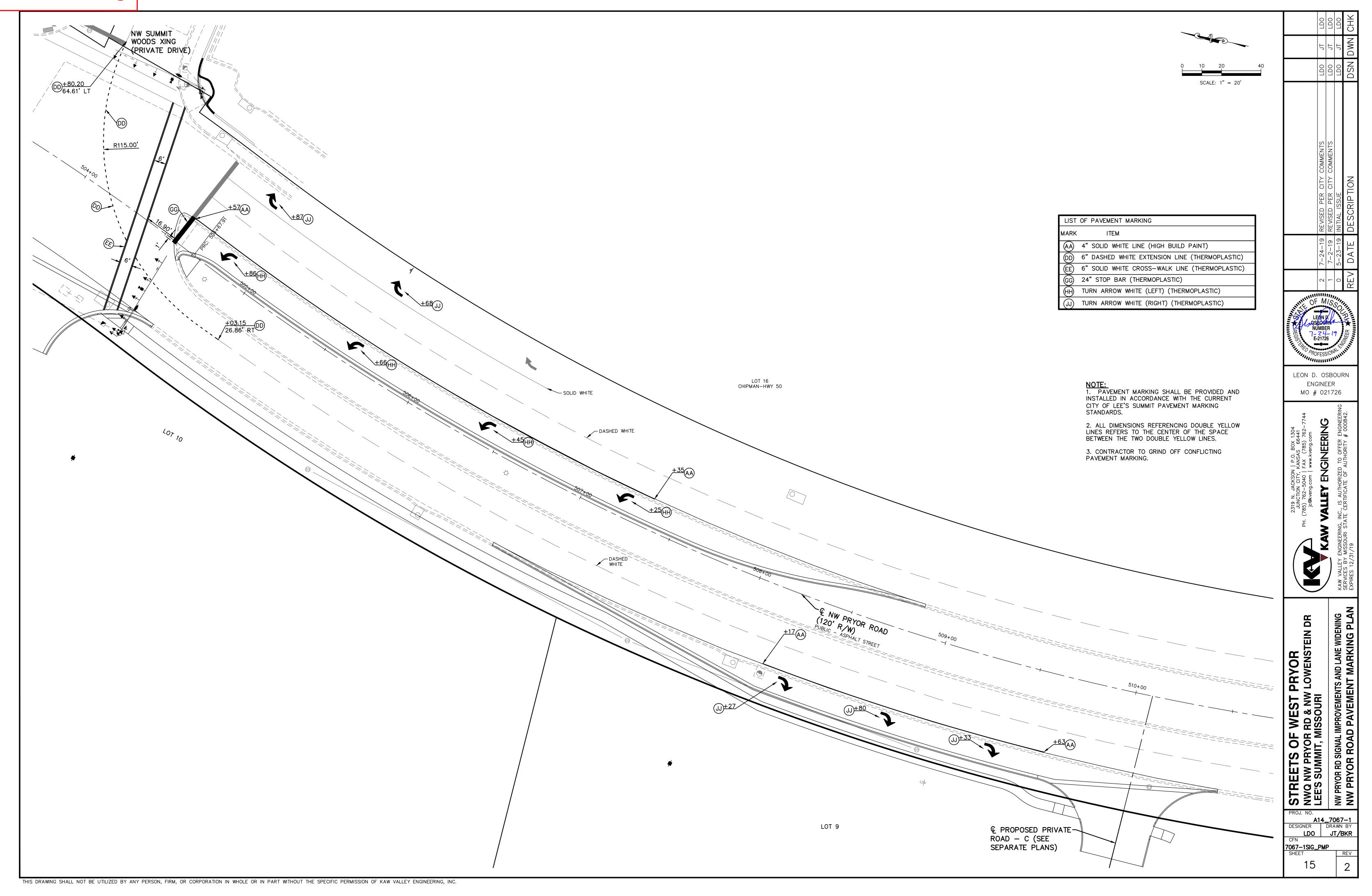
(DD) 6" DASHED WHITE EXTENSION LINE (THERMOPLASTIC) (EE) 6" SOLID WHITE CROSS-WALK LINE (THERMOPLASTIC)

(GG) 24" STOP BAR (THERMOPLASTIC)

LIST OF PAVEMENT MARKING

(HH) TURN ARROW WHITE (LEFT) (THERMOPLASTIC)

(JJ) TURN ARROW WHITE (RIGHT) (THERMOPLASTIC)



GENERAL NOTES:

1. THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE PLANS (APPROVED BY THE CITY OF LEE'S SUMMIT) AND ONE (1) COPY OF THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES.

2. CONSTRUCTION OF THE IMPROVEMENTS SHOWN OR IMPLIED BY THIS SET OF DRAWINGS SHALL NOT BE INITIATED OR ANY PART THEREOF UNDERTAKEN UNTIL THE DIRECTOR OF PUBLIC WORKS OR HIS AGENT IS NOTIFIED OF SUCH INTENT, AND ALL REQUIRED AND PROPERLY EXECUTED BONDS AND CONTRACT AGREEMENTS ARE RECEIVED AND APPROVED BY THE CITY.

3. THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO ALL APPLICABLE STANDARDS AND SPECIFICATIONS OF THE PUBLIC WORKS DEPARTMENT OF THE CITY OF LEE'S SUMMIT, MISSOURI, IN CURRENT USE. SPECIFICALLY, BUT NOT EXCLUSIVE TO: TRAFFIC SIGNAL SPECIFICATION: SECTION 2900. TRAFFIC SIGNAL STANDARD DRAWINGS: TS-1 THROUGH TS-10.

- 4. ALL WORKMANSHIP AND MATERIALS SHALL BE SUBJECT TO THE INSPECTION AND APPROVAL OF THE PUBLIC WORKS DEPARTMENT OF THE CITY OF LEE'S SUMMIT, MISSOURI.
- RIGHT-OF-WAY LIMITS SHOULD BE CROSS CHECKED BY THE CONTRACTOR AND APPROVED BY THE FIELD INSPECTOR BEFORE UNDERTAKING ANY EXCAVATIONS AT THE SITE.
- THE CONTRACTOR SHALL STAKE THE LOCATION OF ALL POLE BASES, PULL BOXES, AND CONTROLLER CABINET BASE, THEN PROVIDE THE CITY ONE WEEK NOTICE PRIOR TO THE START OF CONSTRUCTION, AND SUBSEQUENT CONSTRUCTION ACTIVITIES, FOR INSPECTION AND APPROVAL. THE CONTRACTOR SHALL PROVIDE A WORK SCHEDULE, CONTACT NAMES, AND PHONE NUMBERS.
- 7. ALL LOCATIONS INDICATED IN DRAWINGS, INCLUDING CONDUIT RUNS ARE SUBJECT TO ADJUSTMENT TO CLEAR OBSTRUCTIONS AND TO MEET SITE CONDITIONS, IF ANY BY THE CITY.
- 8. EXISTENCE AND LOCATION OF ANY UNDERGROUND OR OVERHEAD FACILITIES SHOWN ON THESE DRAWINGS OR REFERENCE TO ANY SOIL CONDITIONS, IF MADE, ARE APPROXIMATE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL SITE CONDITIONS AND TO LOCATE ALL UTILITIES, INCLUDING DEPTH, BEFORE STARTING CONSTRUCTION SO THAT ANY ADJUSTMENTS TO DESIGN CAN BE MADE PRIOR TO POLE ORDERING OR FABRICATION. IN ADDITION, THE CONTRACTOR SHALL AVOID DISRUPTION OF SERVICES PROVIDED BY THE UTILITIES AND SHALL INSURE THAT PROPER CLEARANCES (OVERHEAD AND UNDERGROUND) ARE MAINTAINED FOR THE DURATION OF CONSTRUCTION. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES CAUSED BY FAILURE TO EXACTLY LOCATE AND PRESERVE ALL UTILITIES.
- 9. THE CONTRACTOR SHALL COORDINATE WITH THE CITY TRAFFIC ENGINEER FOR ANY NECESSARY CHANGES TO THE TRAFFIC SIGNALS RESULTING FROM EXISTING UTILITIES OR OTHER CONSTRUCTION ISSUES.
- 10. ANY EQUIPMENT DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

11. SIGNAL EQUIPMENT SHALL NOT FORM AN OBSTRUCTION TO THE MOVEMENT OF PEDESTRIAN AND WHEELCHAIR TRAFFIC AND SHALL BE ADA ACCESSIBLE. WHERE SIDEWALKS ARE PRESENT, A MINIMUM CLEAR WIDTH OF 48 INCHES SHALL BE AVAILABLE FOR PEDESTRIAN AND WHEELCHAIR MOVEMENT. PULL BOXES SHALL NOT BE INSTALLED ON WHEELCHAIR RAMPS.

12. CONDUITS TO BE PLACED OUTSIDE OF PAVED AREAS SHALL BE TRENCHED IN PLACE. IF THE PROJECT INCLUDES ROADWAY IMPROVEMENTS, THE CONDUIT SHALL BE TRENCHED AFTER THE ROADWAY ROUGH GRADE IS ESTABLISHED AND PRIOR TO ANY FINAL ROADWAY PAVING, CURB & GUTTER, MEDIAN OR SIDEWALK SECTIONS ARE PLACED. ALL COMPACTION AND BACKFILL SHALL MEET CITY OF LEE'S SUMMIT REQUIREMENTS. AT THE OPTION OF THE CONTRACTOR, CONDUITS MAY BE BORED OUTSIDE PAVED AREAS, BUT THERE WILL BE NO ADJUSTMENT TO THE UNIT PRICES FOR CONDUIT INSTALLATION AND ANY CHANGE IN COST WOULD BE THE CONTRACTOR'S RESPONSIBILITY. ANY CONDUIT BORE OUTSIDE THE PAVED AREAS SHALL BE DONE AFTER ROADWAY IMPROVEMENTS ARE COMPLETE. CONDUITS TO BE PLACED WITHIN THE LIMITS OF PAVEMENT SHALL BE BORED UNLESS OTHERWISE AUTHORIZED BY THE CITY TRAFFIC ENGINEER. IF THE PROJECT INCLUDES ROADWAY IMPROVEMENTS, THE CONDUIT SHALL BE BORED PRIOR TO ANY FINAL ROADWAY PAVING. POTHOLING FOR UTILITIES ON ROAD BORES AFTER FINAL PAVING WILL NOT BE ALLOWED.

13. THE TRAFFIC SIGNAL CONTROLLER, CABINET AND RELATED EQUIPMENT, AS SPECIFIED FOR THIS PROJECT, SHALL BE DELIVERED TO THE CITY FOR TESTING PRIOR TO INSTALLATION. ALL SIGNAL TIMINGS WILL BE PROVIDED BY THE CITY TRAFFIC ENGINEER. THE CONTRACTOR SHALL COORDINATE MATERIAL DELIVERY AND PICK-UP WITH THE PUBLIC WORKS OPERATIONS DEPARTMENT (969-1870) AT LEAST 48 HOURS PRIOR TO TRANSPORTATION. THE CONTRACTOR ASSUMES ALL DAMAGE LIABILITY AND SHOULD INSPECT ALL MATERIALS BEFORE AND AFTER TRANSPORTATION OF EQUIPMENT.

14. THE CONTRACTOR SHALL COORDINATE ALL ELECTRICAL POWER REQUIREMENTS AND CONNECTION ACTIVITIES WITH THE UTILITY COMPANY. INCLUDING LOCATION OF THE METER, CIRCUITRY AND CONNECTION REQUIREMENTS, AND POWER UP THE COMPLETE

15. ALL DISTURBED SURFACES SHALL BE MADE GOOD TO MATCH EXISTING AT THE CONTRACTOR'S EXPENSE.

16. CONTRACTOR SHALL MAINTAIN AT ALL TIMES ACCESS FOR EMERGENCY VEHICLES AND RESIDENTS ALONG THE ENTIRE PROJECT.

17. SUBSTANTIAL COMPLETION OF THE TRAFFIC SIGNALS SHALL BE DEFINED AS ALL COMPONENTS OF THE TRAFFIC SIGNAL OPERATED FULLY AND SATISFACTORILY WITH RED, YELLOW, AND GREEN CYCLES. SUBSTANTIAL COMPLETION SHALL ALLOW FOR TESTING OF THE SIGNALS, INCLUDING A FLASH PERIOD, PRIOR TO SIGNALS OPERATING WITH CYCLES.

18. FINAL ACCEPTANCE OF TRAFFIC SIGNALS SHALL BE DEFINED AS FINAL WRITTEN APPROVAL AND ACCEPTANCE BY THE CITY, INCLUDING COMPLETION OR CORRECTIONS OF ALL PUNCH LIST ITEMS AND THE TRAFFIC SIGNALS FULLY OPERATIONAL FOR A TIME PERIOD OF FIFTEEN (15) DAYS, WITHOUT ANY PROBLEM, AS NOTED IN THE SPECIFICATIONS. AS-BUILT PLANS SHALL BE SUBMITTED PRIOR TO FINAL ACCEPTANCE

19. THE CONTRACTOR SHALL VERIFY AND/OR COORDINATE WITH THE VARIOUS SERVICE PROVIDERS ON THE EXACT LOCATIONS OF METERS, CONNECTION POINTS AND OTHER SPECIFIC PROJECT REQUIREMENTS. THE PROPOSED SERVICE LINE LOCATIONS THAT ARE SHOWN ARE CONCEPTUAL AND ARE NOT WARRANTED.

PROJECT SPECIFIC NOTES:

1. THE CONTRACTOR SHALL SUPPLY THE TRAFFIC SIGNAL CONTROLLER, CABINET, SIGNAL POLES WITH MAST ARMS AND POWER SUPPLY ASSEMBLY, AND THE CONTRACTOR SHALL INSTALL THE EQUIPMENT. THE CONTRACTOR WILL BE

YNC COMPONENTS. WILL REQUIRE NEW CAMERA AND CARD.

2. THE VIDEO DETECTION SYSTEM SHALL BE AN IN SYNC ADAPTIVE TRAFFIC CONTROL SYSTEM SUPPLIED BY RHYTHM ENGINEERING, 12351 W 96TH TERRACE, SUITE 107, LENEXA, KANSAS 66215, PHONE (913)227-0603. MATERIALS SUPPLIED BY RHYTHM ENGINEERING SHALL CONSIST OF AN IN SYNC PROCESSOR, VIDEO CAMERAS, TRANSFORMER, RG CABLE, DETECTOR CARDS AND CABLES, SITE EQUIPMENT PANELS, MONITOR, KEYBOARD AND CAMERA MOUNTING HARDWARE.

3. CABLES FOR THE VIDEO DETECTION SYSTEM SHALL BE ONE CONTINUOUS 3c-#14 CABLE AND ONE CONTINUOUS CATEGORY 5E+ CABLE (SHIELDED OUTDOOR RATED) BETWEEN THE CONTROLLER AND EACH CAMERA. THE 3c-#14 CABLE SHALL MEET REQUIREMENTS OF IMSA 20-1. CABLES ARE INCLUDED IN THE LUMP SUM PRICE FOR THE VIDEO DETECTION SYSTEM. NO ADDITIONAL PAYMENTS WILL BE MADE.

CONSTRUCTION SEQUENCING:

1. CONTRACTOR TO OBTAIN AND FOLLOW TEMPORARY TRAFFIC CONTROL PERMIT (TTCP) CONDITION REQUIREMENTS.

CONTRACTOR TO SUBMIT FOR APPROVAL BY CITY OF LEE'S SUMMIT TRAFFIC ENGINEER A DETAILED TRAFFIC SEQUENCING PHASING PLAN.

3. CONTRACTOR TO MAINTAIN EXISTING SIGNAL OPERATIONS UNTIL NEW SYSTEM, HAS BEEN TESTED AND OPERATIONAL.

4. PER TTCP, CONTRACTOR TO INSTALL TRAFFIC CONTROL, CHANNELIZATION DEVICES AND TEMPORARY PAVEMENT MARKING AROUND WORK ZONE.

5. CONTRACTOR TO PROVIDE PEDESTRIAN DETOUR PLAN ALONG WITH TRAFFIC SEQUENCING PLAN.

6. CONTRACTOR TO INSTALL CONSTRUCTION FENCING AROUND AREAS WHERE PEDESTRIAN MOVEMENTS MAY CONFLICT WITH CONSTRUCTION ACTIVITIES.

7. NO COLLECTOR OR ARTERIAL STREETS SHALL HAVE LANE(S) REDUCED OR CLOSED BEFORE 9 A.M. AND AFTER 4 P.M. MONDAY THRU FRIDAY. NO WORK ON SATURDAY, SUNDAYS OR HOLIDAYS OBSERVED BY THE CITY.

ALL TRAVEL LANES SHALL BE A MINIMUM OF 11.00 FEET WIDE EXCLUDING CURB AND GUTTER. ALL SIDEWALKS SHALL HAVE A MINIMUM CLEAR PATH OF 3.5 FEET. ALL MULTI-USE PATHS SHALL HAVE A MINIMUM CLEAR PATH OF 8.00 FEET.

9. CONTRACTOR SHOULD REVIEW TTCP AND MEET REQUIREMENTS PER CITY OF LEE'S SUMMIT REGULATIONS.

LEGEND

TRAFFIC SIGNAL HEAD

TRAFFIC SIGNAL HEAD WITH BACKPLATE

PEDESTRIAN SIGNAL HEAD

STOP LINE LANE USE

☆ STREET LIGHT POLE

◆ MAST ARM POLE

SIGNAL PEDESTAL

TRAFFIC CONTROLLER CABINET

■ STREET LIGHT CONTROLLER CABINET

■ PULL BOX

FIBER OPTIC PULL BOX

POWER SUPPLY (DISCONNECT) SUGGESTED VEHICLE DETECTION ZONE

PUSH BUTTON DETECTOR

OPTICOM DETECTOR ■ SECONDARY SERVICE POINT

--- CONDUIT

SIGNAL FACE NUMBER

POST NUMBER

DETECTOR NUMBER

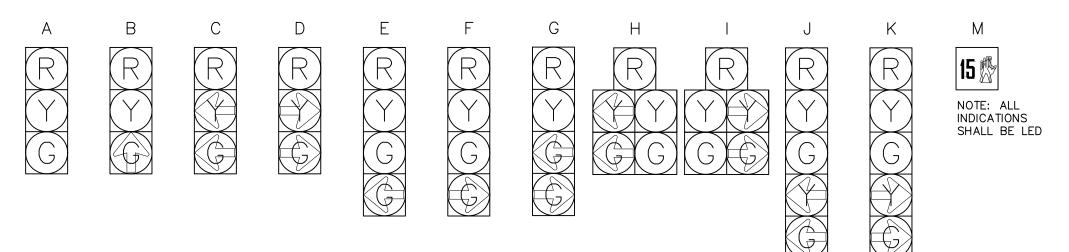
PULL BOX NUMBER PB24 PUSH BUTTON NUMBER

COBRA HEAD LUMINAIRE

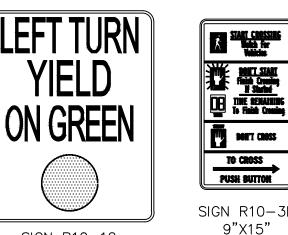
NOTE: SIGN R10-3E SHALL BE PROVIDED FOR

EACH PUSH BUTTON

VIDEO DETECTION CAMERA **⊤** SIGN



TYPICAL REGULATORY SIGN DETAIL



SIGN R10-12

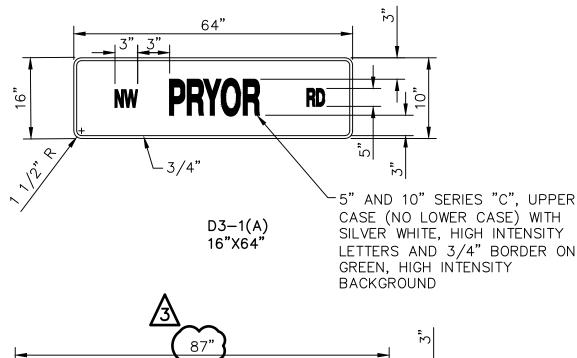
12"X30"

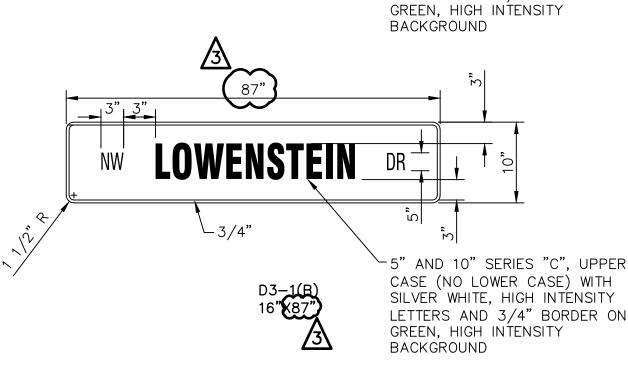
PORT START
Finish Crusing
If Started
TIME REMAINING
To Finish Crusing MIT CHOSS TO CROSS

PUSH BUTTON SIGN R10-3E

SIGNAL

SIGN R10-10L 24"X30"





NUMBER E-21726

LEON D. OSBOURN ENGINEER MO # 021726

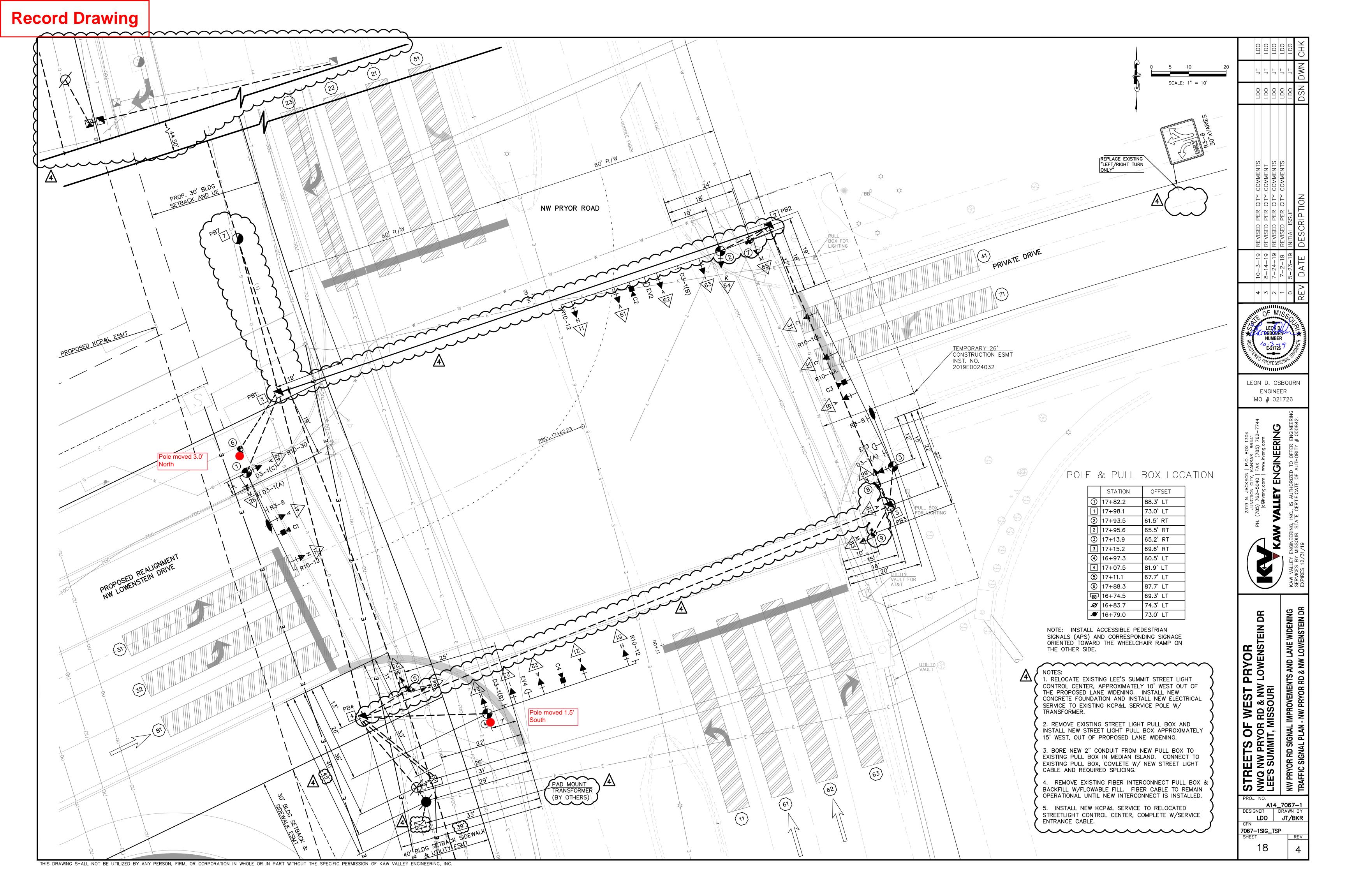
LEERING BOX S 66 785) OFFER ORITY ENG

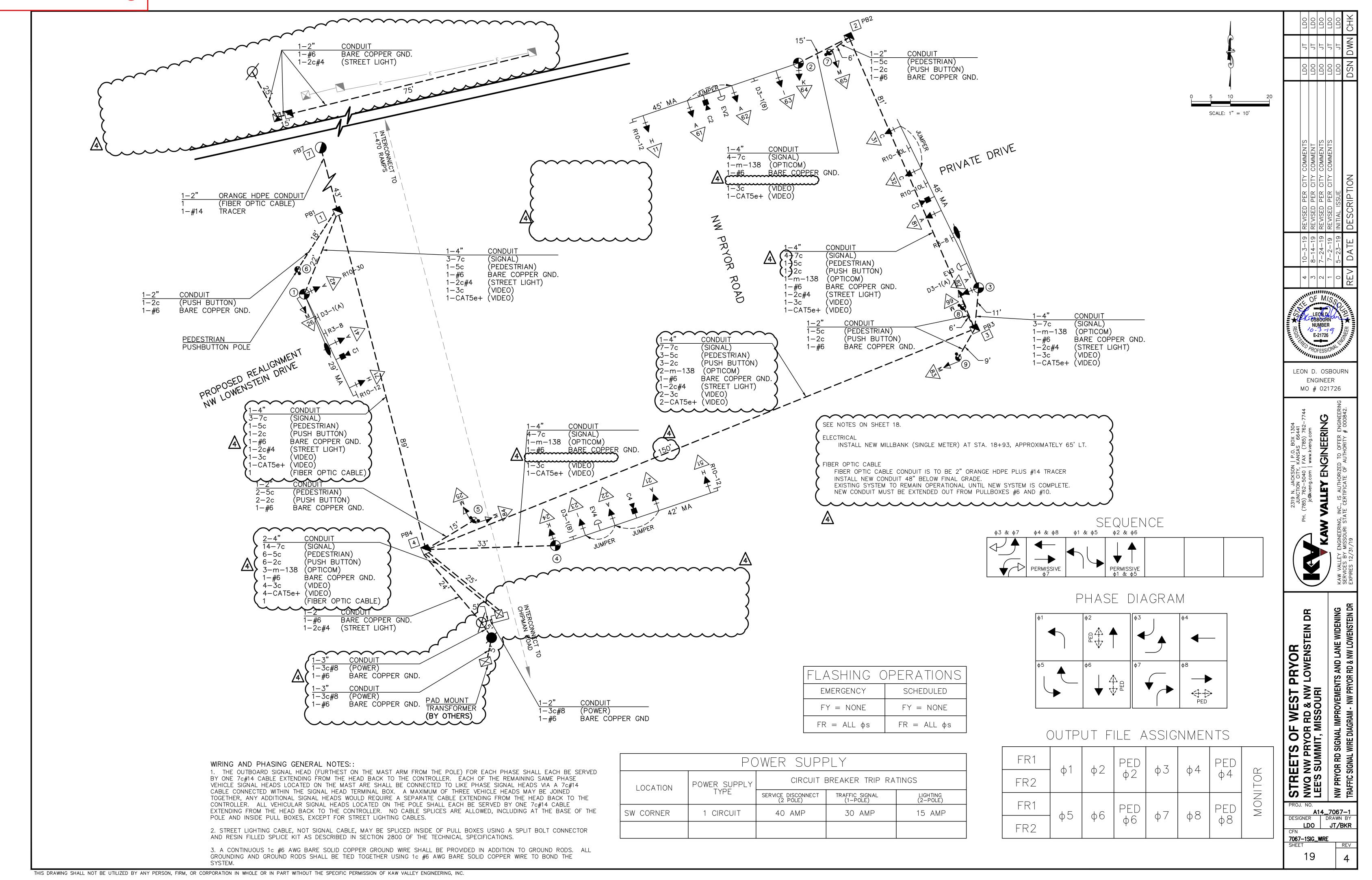
DR TEIN NTS AND LANE \
& CONSTRUCTION

PRYOR / NW PRYOF SUMMIT, I

A14_7067-1 DESIGNER | DRAWN B LDO JT/BKR

7067-1SIG_GN





Record Drawing

												POLES				
NO.		DES POLI	Ε		Αl	AST RM		S	IGNAL SPA	. HEA CING	D		LIGHTING			
POLE		EIGH FEE				IGTH EET)		A B C D			D	MOUNTING 4 HEIGHT	4\150 W L.E.D	1	CKET ENGTH	REMARKS
۵	4	8	15	29	35			E	F.	G	Н		LUMINAIRES	LEFT	RIGHT	
2						4	29 45	12' 6'	15' 12'	12'	12'	40	4	10	/4\	
3							48	22'	12'	12'		A 40	Λ 1	10		
<u>4</u> 5			1				42	8	8'	12'	12'	<u>/4\</u>	4\	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	/ 4\	
6		1	1													
8			1													
9			1													
TOTALS		1	4													

*	SIGNAL HEAD SPACING (FEET) MAY BE ADJUSTED TO SITE	
	CONDITIONS AS APPROVED BY THE PROJECT INSPECTOR.	

												SIG	NAL	_	ΙΕΑ	DS	·)															
	10								INDIC	CATIO	NS							V	ISORS	5					SE	ECT	ION	S				
	10.								וועטוו		110				<u></u>			-	TYPE													
Щ) E	D TYPE	. LIMITED	LOUVERS	BACKPLATE				12"	' LED	S			\ \ \	FLASH DON' WALK	MQ/	COUNTDOWN INDICATIONS		CUTAWAY	_	1		2		M(NTIN	IG 			5	
POLE	FACE	HEAD	OPT.	00	3AC	R	Y		Y-	G -		Y-	G-	WALK	4	M/E	COUN INDIC	TUN.		-	P		\neg		$\neg \vdash$	1	+	1		$\overline{\Box}$		
1	71	<u> </u>			Х	1	1	G 1	1	1	G Î		G -					5			<u> </u>	SF	<u> </u>	S F	² N		P	M	S	Р	М	S
'	41	A			X	1	1	1 1	'	'								3			\dashv		+		+	<u>' </u>	+		\Box	\dashv	\Box	
	42	A			X	1	1	1				1	1					5							1	\top	1					
	26	М															1								1							
2	11	Н			Χ	1	1	1	1	1								5							1							
	61	Α			Χ	1	1	1										3							1							
	62	Α			Χ	1	1	1										3							1		丄					
	63				Χ	1	1	1				1	1					5					4		1	Ц_		'	Ш			
	64	K			Χ	1	1	1 1				1	1					5			_		_		<u>' </u>		\bot	<u> </u>	Ш		<u> </u>	
	65	M															1				_		_		<u>' </u>	4	_		\square		\bigsqcup	
3	66	M			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1				1							1				_		4		<u> </u>	_	$+\!\!-$	 -	igwdown	\dashv	\bigsqcup	
	31	C			X				1	1 1											\dashv		_		1	<u>' </u>	+-	$+\!-\!\!\!-\!\!\!\!-$	$\vdash\vdash$	\dashv	\bigsqcup	\vdash
	32	C			X	1	1	1 1													\dashv		+		1		+	+-	$\vdash\vdash$	\dashv	$\vdash\vdash$	\vdash
	81	A			X	1	1	1 1												+	\dashv		+			+	+	+-	$\vdash\vdash$	\dashv	$\vdash\vdash$	
	83	M															1				\dashv		+		<u> </u>	+	+-	+-	\vdash	\dashv	\vdash	
4	51	Н			X	1	1	1	1	1							 	5			\dashv	-	+		' 	+	+	+-	$\vdash \vdash$	\dashv	\vdash	
	21	A			X	1	1	1 1	1	!											+		+		_ _ '	1	+-	+	\vdash	$-\dagger$		
	22	A			X	1	1	 													\dashv		+		+	`	+	+-	\Box	\dashv		
	23				X	1	1	1 1				1	1					5			\dashv		\dashv		+	 	+		\Box	\dashv	\Box	\Box
	24	K			X	1	1	1 1				1 1	1 1					5			\dashv		十		1	\top	+			\Box		\Box
5	25	М															1				\dashv		\top		1	1	\top					П
	84	М															1				一		\top		1		1					
ТОТ	ALS					17	15	15	5	5		5	5				6	49						1	0 1.	3						

- P POLE MOUNTED SIGNAL HEAD
- M MAST ARM MOUNTED SIGNAL HEAD
- S SPAN WIRE MOUNTED SIGNAL HEAD

1. QUANTITES SHOWN HEREON ARE FOR REFERENCE ONLY.

- ALIGN FACES OF PEDESTRIAN PUSHBUTTONS PARALLEL TO CROSS-WALK.
- 3. ALL PULL BOXES LOCATED IN TRAVEL WAY SHALL BE TRAFFIC RATED.

4. THE TRAFFIC SIGNAL SYSTEM SHALL BE COMPLETE AND THE CONTRACTOR SHALL FURNISH AND INSTALL ALL EQUIPMENT AND MATERIALS NECESSARY FOR THE SATISFACTORY OPERATION OF ELECTRICAL APPARATUS AND FOR COMPLETE OPERATION OF THE TRAFFIC SIGNAL SYSTEM WHETHER SPECIFICALLY MENTIONED OR NOT.

				В	AS	ES	AN	D PU	LL B	OXES						
	Ν	10.			В	ASE:	S	PULL BOXES								
	1.1	1 2 3 4 5	B10	B13 1 1 1	1 1 1 1	EV	POWER	CONC. (C.Y.) 3.0 3.4 3.4 3.4 0.44 0.44 0.44	CLASS 1	CLASS 2	CLASS 3	FIBER OPTIC				
Γ	POV	NTR. VER		4	5			1 15.08				2				

CONTROLLER AND EQUIPMENT	TOTALS
CABINET AND ACCESSORIES: NEMA TYPE P TS1 CABINET	1
CONTROLLER: TYPE 3608 M 52 EAGLE EPAC COMPLETE PER PLANS, INCLUDING SOFTWARE	1
EMERGENCY VEHICLE DETECTION SYSTEM (COMPLETE): 3M	2
VIDEO DETECTION SYSTEM (COMPLETE (4 CAMERAS):) INSYNC ADAPTIVE TRAFFIC CONTROL SYSTEM	1
FIBER OPTIC DATA LINK SWITCH: KYLAND SICOM 3170	1
1-CIRCUIT POWER SUPPLY (MoDOT TYPE II POWER SUPPLY WITH LIGHTING CIRCUITS)	1
GROUND RODS	9
PUSHBUTTON DETECTORS	6
	•

		#6	30-6	2c-4		20-14	30-14		2c-14	m-136	JC#14	CA ISe+	
\boxtimes	71	255						255					
	C1										255	255	
	41							235					
	42							225					
\boxtimes	26						225				1		
$\overline{\boxtimes}$	11							367			1		
	61	352						352			1		
61	62						12				+		JUMPER
	C2						1 - 1 -				348	348	
	EV2									343	+ 5 10		
	63							325		<u> </u>	+		
	64							318			+	 	
		<u>۾</u>				707	707	210			+		
	65	6				307	307	047			+		
31	31	243					4.0	243					11111555
<u>51</u>	32						12				1 2 = =		JUMPER
	C3										250	250	
\boxtimes	81							245					
	EV3									228			
\boxtimes	82							220					
\boxtimes	83	19				218	218						
\boxtimes	66	16				214	214						
$\overline{\boxtimes}$	51	161						161					
	21							147			1		
21	22						12	/			+		JUMPER
22	23						8				+		JUMPER
	C4										147	147	OOWII LIX
										1 / 7	+ '+'	'+/	
	EV4 24							100		147	+		
	24					70	70	100			+	-	-
	84					79	79						
	25					79	79						
Ø	1			209									
Ø	3			265									
Ø			35										
1	$ \mathscr{A} $		35										
\boxtimes	1	20	17										
											1		
											1		
											+		
											+		
											+		
											+		
											+		
•											+	<u> </u>	
,													
											1		
											+		
SY	STEM	1072									+		
											1		
(F	TOTAL EET)	1072	87	474		897	1166	3193		718	1000	1000	
	TOTAL	4070	400			4070	4740	7070		000	+	1150	
5 . (F	EET)	1230	100	550		1030	1340	3670		820	1150	1150	1

CABLE

POWER/LIGHTING

#6 3c-8 2c-4

CONTROL TYPE 20-1 LEAD-IN CABLE 2c-14 5c-14 7c-14 2c-14

EMERGENCY
PRE-EMPTION
CABLE *

EMERGENCY
PRE-EMPTION
CABLE*

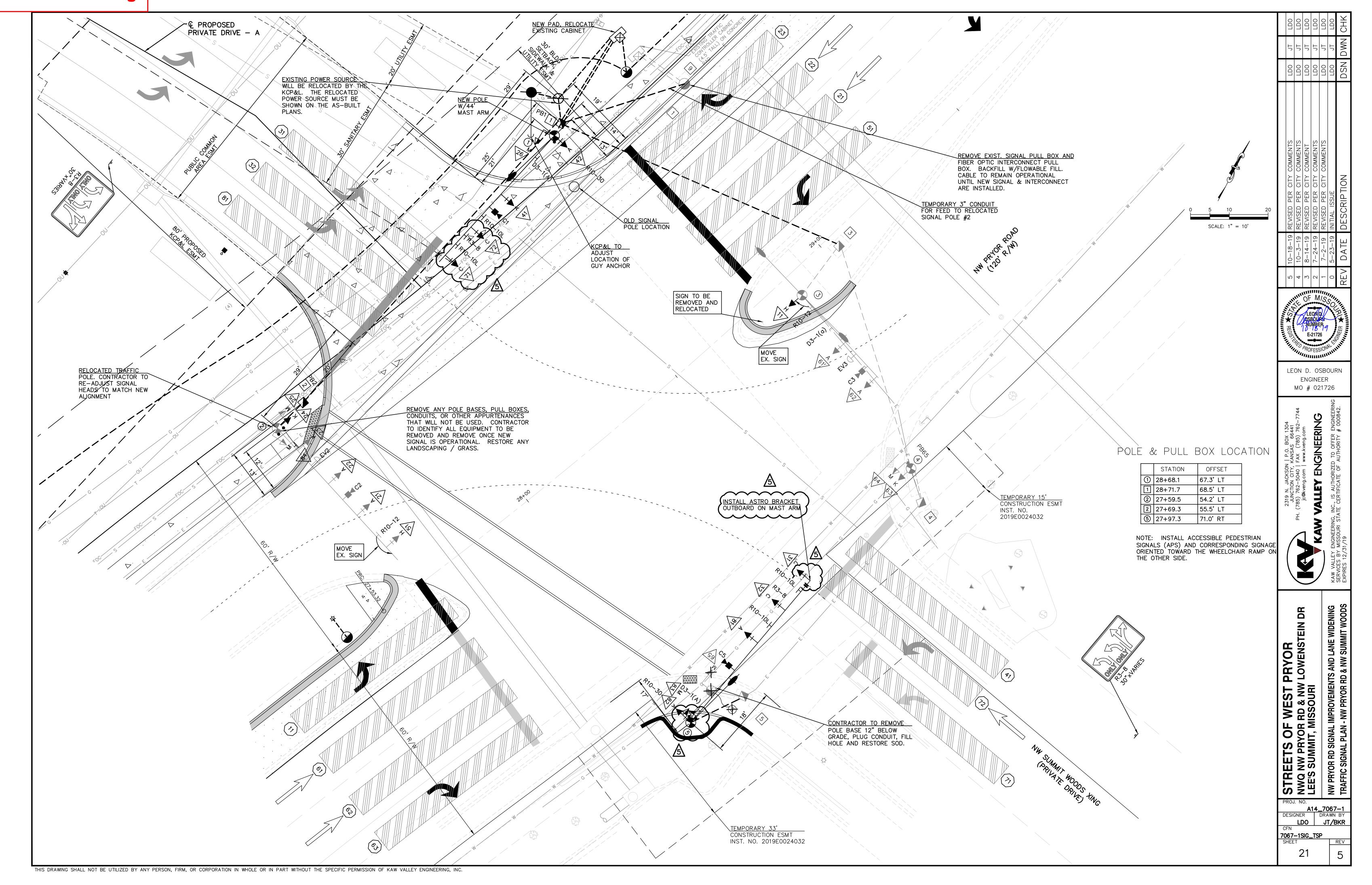
The second control of the control of

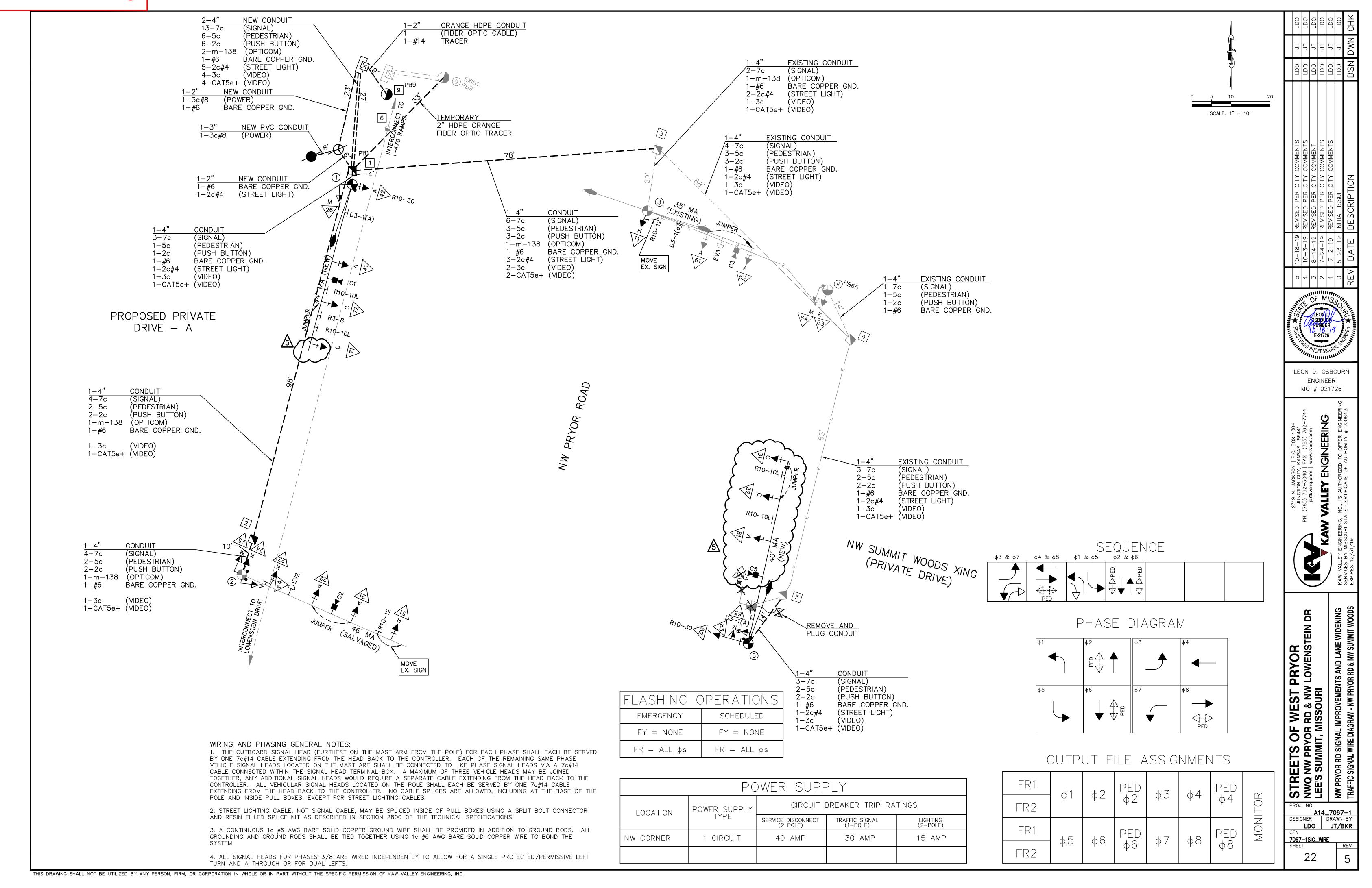
REMARKS

	CONDUI		_
FROM	2" HDPE (ORANGE)	FIBER OPTIC CABLE	#14 STRANDEI COPPER TRACER WIRE
1 2			
2 3 3 4			
4 5			
5 6 6 7	400'	400'	400'
7 8 8 9	600' 515'	600' 515'	600' 515'
9 10	375'	375'	375'
7 <u>1</u> <u>1</u>	55'	55' 89'	55'
4 🛛		25'	
SUBTOTA (FEET)	1945	2059	1945
BID TOTA (FEET)	L 2240	2370	2240

GREY) HDPE	SF. TOTAL S.F. 5.0 10.0
R10-10L LEFT TURN SIGNAL 2	
Note	
Name	5.0 15.0
	7.5 7.5
A	
(1 4	
/ (6)	<u> </u>
20 2 3 100 R3-8 VARIES 23 7	
2 3 100 R3-8 VARIES 2 100 R3-8	10.0 20.0
3 3 D3-1(A) NW PRYOR RD 2	
3 3 18 D3-1(A) NW PRYOR RD 2 3 8 12 D3-1(B) LOWENSTEIN DR. 2	
(3 9 15 (
40	
4 5 20	
4 3 175	
} 	
SUBTOTAL 10 139 558 TOTAL	52.5
BID TOTAL 20 160 640	4

LEON D. OSBOURN ENGINEER MO # 021726





Record Drawing

												POLES				
O Z	1	DES POLI				ST RM		S		_ HEA CING	D		LIGHTING			
POLE N	1	HEIGH (FEE				IGTH ET)		A	В	СПО	D	MOUNTING	150 W L.E.D.		CKET ENGTH	REMARKS
J 9	4	8	15	29	35	44	46	Е	F	G	Н	- HEIGHT	LUMINAIRES	LEFT	RIGHT	
1						1	1	0.7	CEN			40'		10'		NEW POLE
<u>2</u> 5							1	0,	VER L	ANES		REUSE 2 46' MAST ARM		10'		EXISTING — RELOCATED NEW POLE
							'					, 0		1 0		11211 1 022
TOTALS						1	2									

				В	AS	ES	AN	D PU	LL B	OXES		
	Ν	10.			В	ASE:	S			PULL	BOXES	
	POLE	PULL BOX	B10	B13	С	EV	POWER SUPPLY	CONC. (C.Y.)	CLASS 1	CLASS 2	CLASS 3	FIBER OPTIC
ŀ	1			1			,	3.4 3.4				
F	2 3 4 5	— Е — Е	EXIST EXIST	ING-	_							
F	5	1		1				3.4			1	
F		2	—Е	XIST	ING-					1		
		4 5	<u>-Е</u>	XIST	ING-						1	
		6										1
F												
		ÎTR. VER						1				
Г		ALS		3				11.2		1	2	1

FROM	TO	GROUND	Р	OWER/L	IGHTING	T`	CONTRO	_1	LEAD-IN CABLE	CABLE	CA	DEO BLE	REMARKS
İ	·	#6	3c-8	2c-4		2c-14	5c-14	7c-14	2c-14	m-138	3c#14	CAT5e+	
\boxtimes	71							91					
71	72						11						JUMPER
$\overline{\square}$	C1										54	54	
	41							71			34	54	
	42							51					
	26					51	51	<u> </u>					
	51							195					
\boxtimes	21							181					
21	22						11						JUMPER
\boxtimes	C2										175	175	
	L \ / \	,				1				1.61			
\boxtimes	EV2 23							157		161			
\square	24					1		146					
\boxtimes	84					146	146	1 70					
	25					146	146						
<u> </u>													
\boxtimes	С3										164	164	
\boxtimes	EV3									159			
\boxtimes	61							153					
61	62						13	4.7.5					JUMPER
	11							135					
	63					106	106	196					
\boxtimes	64 31					196	196	310					
31	32					1	12	310					JUMPER
<u> </u>	02						12						OCIVII EIX
\boxtimes	C5										289	289	
\boxtimes	81							284					
	82							271					
	83					271	271						
\boxtimes	65			0.5		271	271						
Ø Ø	1 2			25 288		1							
8	3			270		1							
8	(5)			268		+							
$\frac{\sim}{\varnothing}$	X		19										
<u>*************************************</u>	Ø		41										
						1							
						1							
						1						-	
						1							
						+							

1081

1128 | 2241

1240 | 1290 | 2240

CABLE

				STED TO S INSPECTO	
NO.				INDICA ⁻	TION

												SIG	NAL		HEA	DS																
	10								INDIC	CATIO	NS							V	ISOR	S					SE	CTI	ON	S				
	10.														<u> </u>				TYPE													
1.1	1.1	TYPE	LIMITE	LOUVERS	ACKPLATE				12"	LED	S				SH DON'T WALK	>	COUNTDOWN		CUTAWAY					1	МО	UN [*]	TIN	G				
POLE	FACE	HEAD	OPT.		Α̈́									WALK	FLASH	W/DW	NO C	į	<u> </u>		1		2		3			4			5	
مَ		出	PO		B/	R	Υ	G	Y 	G -	G	Y	G —	>		>	SZ	TUN	ರ		Р	SF		S F	РМ	S	Р	М	S	PI	M S	S
1	71	С			X	1			1	1					<u> </u>			3					\perp		X					\bot		
	72	C			X	1	1		1	1								3					\perp		X					\dashv		_
	41	Α			X	1	1	1							-			3			\vdash	_	+	+	X	+				+	+	\dashv
2	42 51	A H			X	1	1	1	1	1					1			5					+	<u> </u>	X					+		\dashv
	21	A			X	1	1	 	'	<u>'</u>								3			\Box		+	+	$\frac{1}{X}$					十	+	\dashv
	22	A			X	1	1	1										3							X							\exists
	23	-			Χ	1	1	1				1	1					5							X							
	24	K			X	1	1	1				1	1		<u> </u>			5					4)						\bot		_
1	25	M													1		1						+	>						+	_	\dashv
3	26 11	M H			X	1	1	1	1	1								5				+	+	<u> </u>						+	+	\dashv
5	31	C			X	1	<u>'</u>	'	1	1								3					+	+	X					+		\dashv
	32	C			X	1			1	1								3					\top		$\frac{1}{X}$					\top	\perp	┪
	81	Α			Χ	1	1	1										3							X							
	82	Α			X	1	1	1										3					\perp	<u> </u>	_					\bot		_
	83	M													<u> </u>		1						4	>						\dashv		4
	84	M													<u> </u>		1				\vdash	+	+	<u> </u>	/	+				+	+	\dashv
	65	M																			$\vdash \vdash$		+	+	+				\dashv	+	+	\dashv
																														士		
																							_						-	\perp		\dashv
ITOI	ALS				14	14	10	10	6	6		2	2				5	50						9) 1C)						

Ρ	_	POLE	MOUNTED	SIGNAL	HEAD

M - MAST ARM MOUNTED SIGNAL HEAD

S — SPAN WIRE MOUNTED SIGNAL HEAD

1. QUANTITES SHOWN HEREON ARE FOR REFERENCE ONLY.

- ALIGN FACES OF PEDESTRIAN PUSHBUTTONS PARALLEL TO CROSS-WALK.
- 3. ALL PULL BOXES LOCATED IN TRAVEL WAY SHALL BE TRAFFIC RATED.

4. THE TRAFFIC SIGNAL SYSTEM SHALL BE COMPLETE AND THE CONTRACTOR SHALL FURNISH AND INSTALL ALL EQUIPMENT AND MATERIALS NECESSARY FOR THE SATISFACTORY OPERATION OF ELECTRICAL APPARATUS AND FOR COMPLETE OPERATION OF THE TRAFFIC SIGNAL SYSTEM WHETHER SPECIFICALLY MENTIONED OR NOT.

	CABINET AND ACCESSORIES: NEMA TYPE P TS1 CABINET	-EXISTING-
	CONTROLLER: TYPE 3608 M 52 EAGLE EPAC COMPLETE PER PLANS, INCLUDING SOFTWARE	-EXISTING-
	EMERGENCY VEHICLE DETECTION SYSTEM (COMPLETE): 3M REMOVE FROM PRIVATE DRIVE FOR LOWENSTEIN	-1
	VIDEO DETECTION SYSTEM (COMPLETE): INSYNC ADAPTIVE TRAFFIC CONTROL SYSTEM	+1 INSYNC
	FIBER DISTRIBUTION UNIT:	
	1-CIRCUIT POWER SUPPLY (MODOT TYPE II POWER SUPPLY WITH LIGHTING CIRCUITS)	1
	GROUND RODS: REUSE EXISTING	2
	PUSHBUTTON DETECTORS	6
	FIBER OPTIC DATA LINK SWITCH: KYLAND SICOM 3170	1
	GROUND RODS	7
	PUSHBUTTON DETECTORS	5
\dashv		

CONTROLLER AND EQUIPMENT

TOTALS

		SIGNA	AL CON	1DUIT	
FROM	ТО	2" PVC	3" PVC	2" HDPE (GREY)	4" HDPE
	Ø		8		
Ø				23 6	
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1			6	_
	1				54
1	1				4
1	2				98
2	2				10
1	3				78
<u>3</u>					29 68
4	4				14
4	5				65
5	5				14
SL-1	8A	10			1 -
SL-2	8B	10			
02 2	[]	10			
	OTAL ET)	50	8	29	434
BID 7	TOTAL ET)	60	10	33	500

SYSTEM

SUBTOTAL (FEET)

BID TOTAL 490

475

60

70

851

960

SIGNS			
EGEND	NO.	SF.	TOTAL S.F.
URN	4	5.0	20.0
	2	5.0	10.0
ROSSING	6	_	_
			15.0
	•	7.1	7.1
USAGE	2		
			52.1
	EGEND URN ROSSING YTUT YOR RD USAGE	EGEND NO. URN 4 2 ROSSING 6 YTUT 2 YOR RD 1	EGEND NO. SF. URN 4 5.0 2 5.0 ROSSING 6 - YTUT 2 7.5 EYOR RD 1 7.1

682

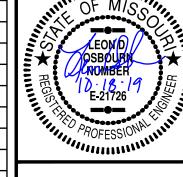
320

370

682

790 790

					(S	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
III√S★ REGIS	2	10-18-19	0-18-19 REVISED PER CITY COMMENTS	LDO	T	CD0
T. C.	4	10-3-19	0-3-19 REVISED PER CITY COMMENTS	LDO	Τſ	007
OF LE OS UNU	3	8-14-19	1-14-19 REVISED PER CITY COMMENT	LDO	TU	CD0
ON BOU	7	7-24-19	-24-19 REVISED PER CITY COMMENTS	LDO	T	CD0
1/Sで の の の に の に に に に に に に に に に に に に	-	7-2-19	REVISED PER CITY COMMENTS	LDO	Tſ	CD0
Soci	0	5-23-19	-23-19 INITIAL ISSUE	LDO	JT	LDO
WER XIA	REV	DATE	DATE DESCRIPTION	DSN	DSN DWN CHK	CHK



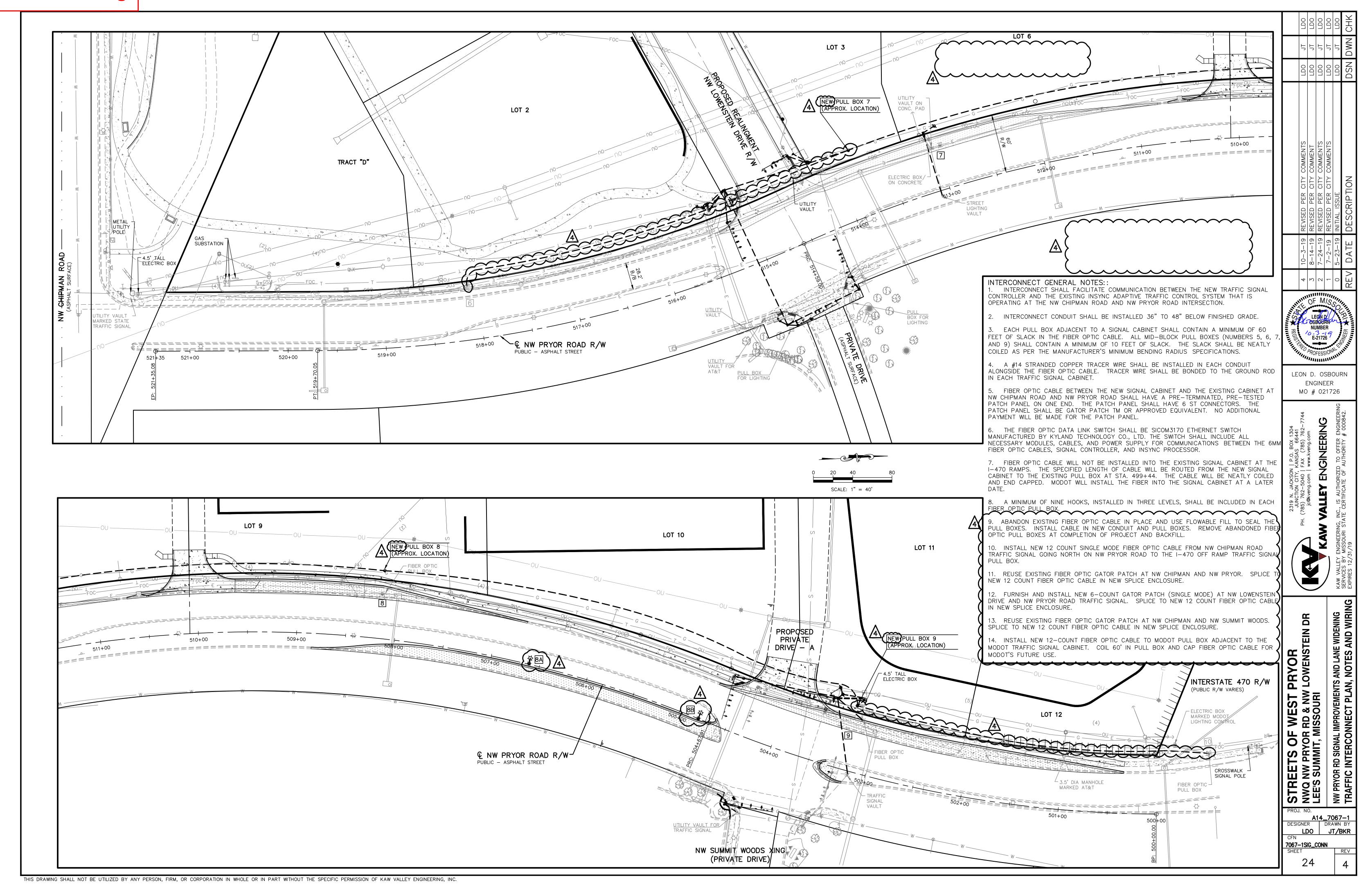
LEON D. OSBOURN ENGINEER MO # 021726

. JACKSON | P.O. BOX 1304 FION CITY, KANSAS 66441 52-5040 | FAX (785) 762-7744 eng.com | www.kveng.com ENGINEERING

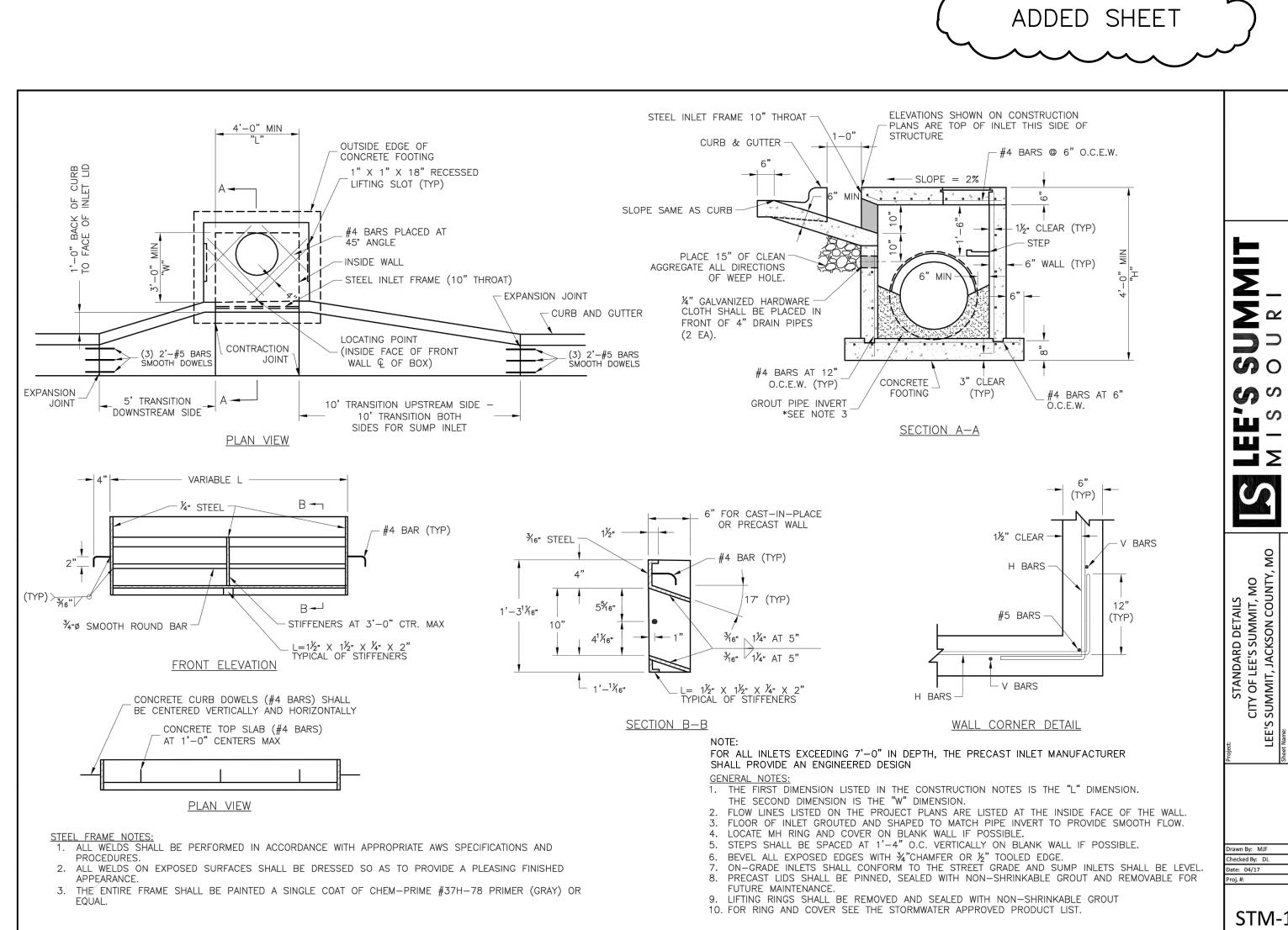
STREETS OF WEST PRYOR
NWQ NW PRYOR RD & NW LOWENSTEIN DR
LEE'S SUMMIT, MISSOURI

A14_7067-1
DESIGNER DRAWN BY
LDO JT/BKR
CFN

7067-1SIG_QTY SHEET







LEON D. OSBOURN

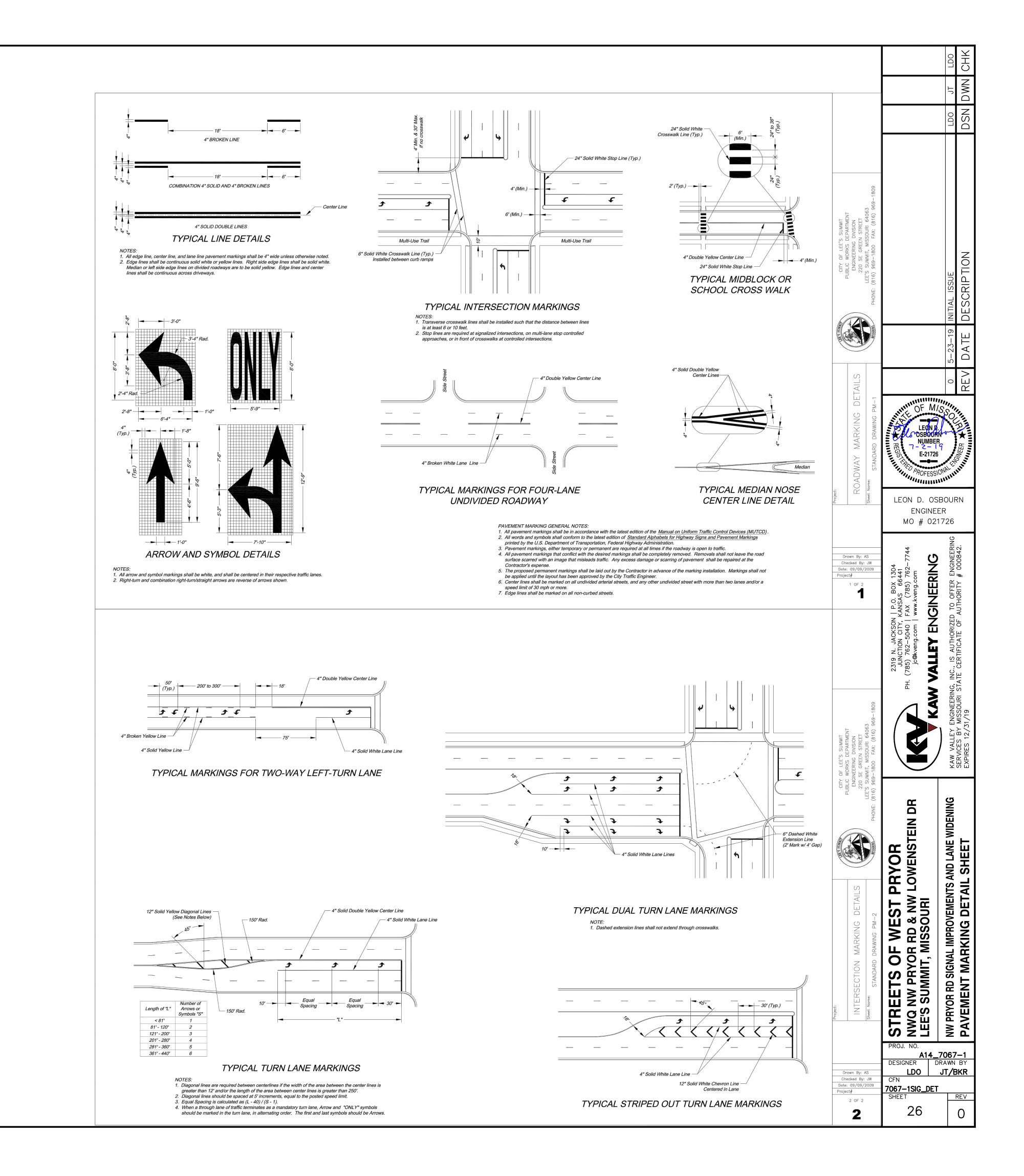
MO # 021726 'ENGINEERING
HORIZED TO OFFER ENGINEER
TE OF AUTHORITY # 000842

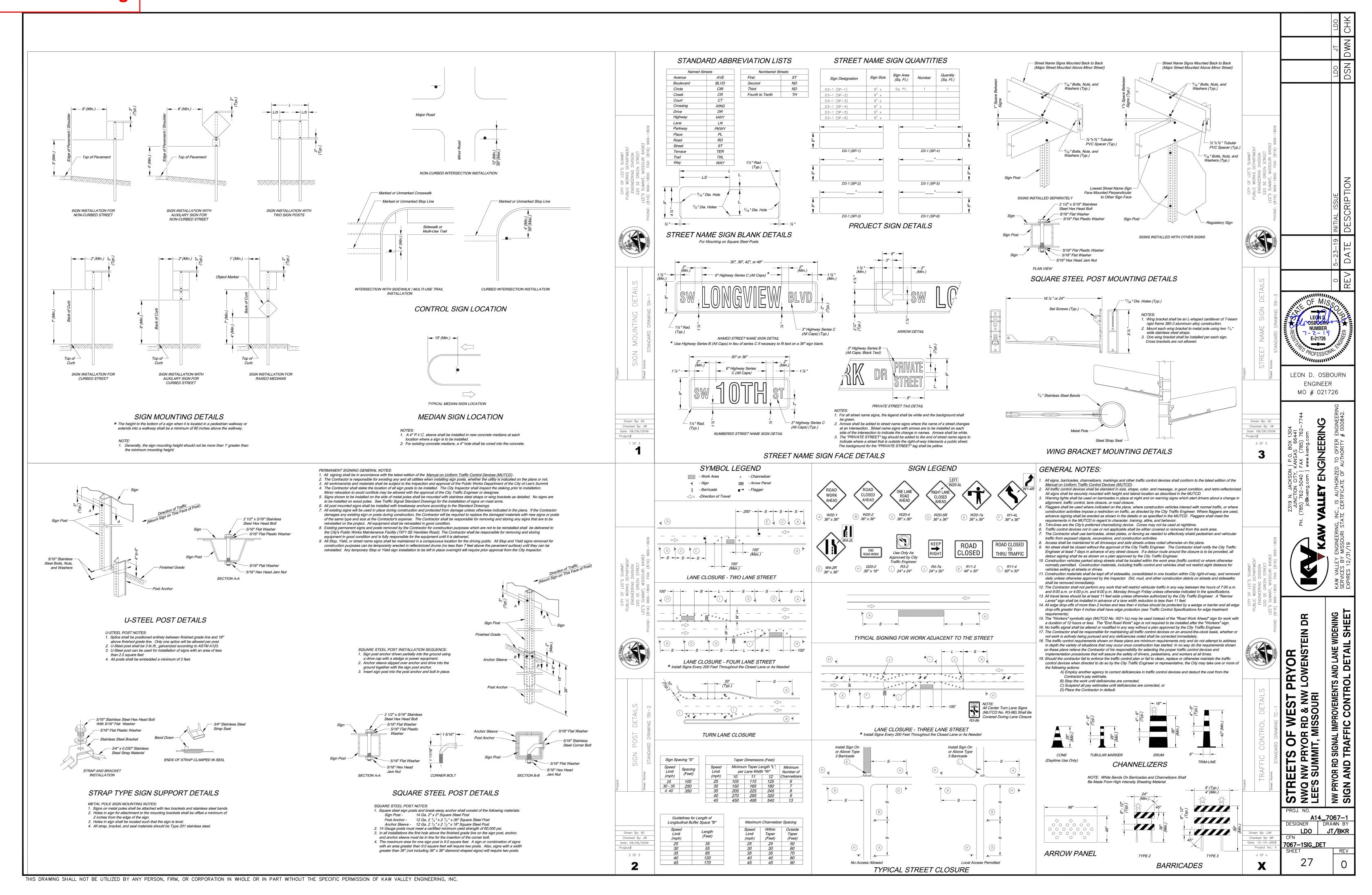
ENGINEER

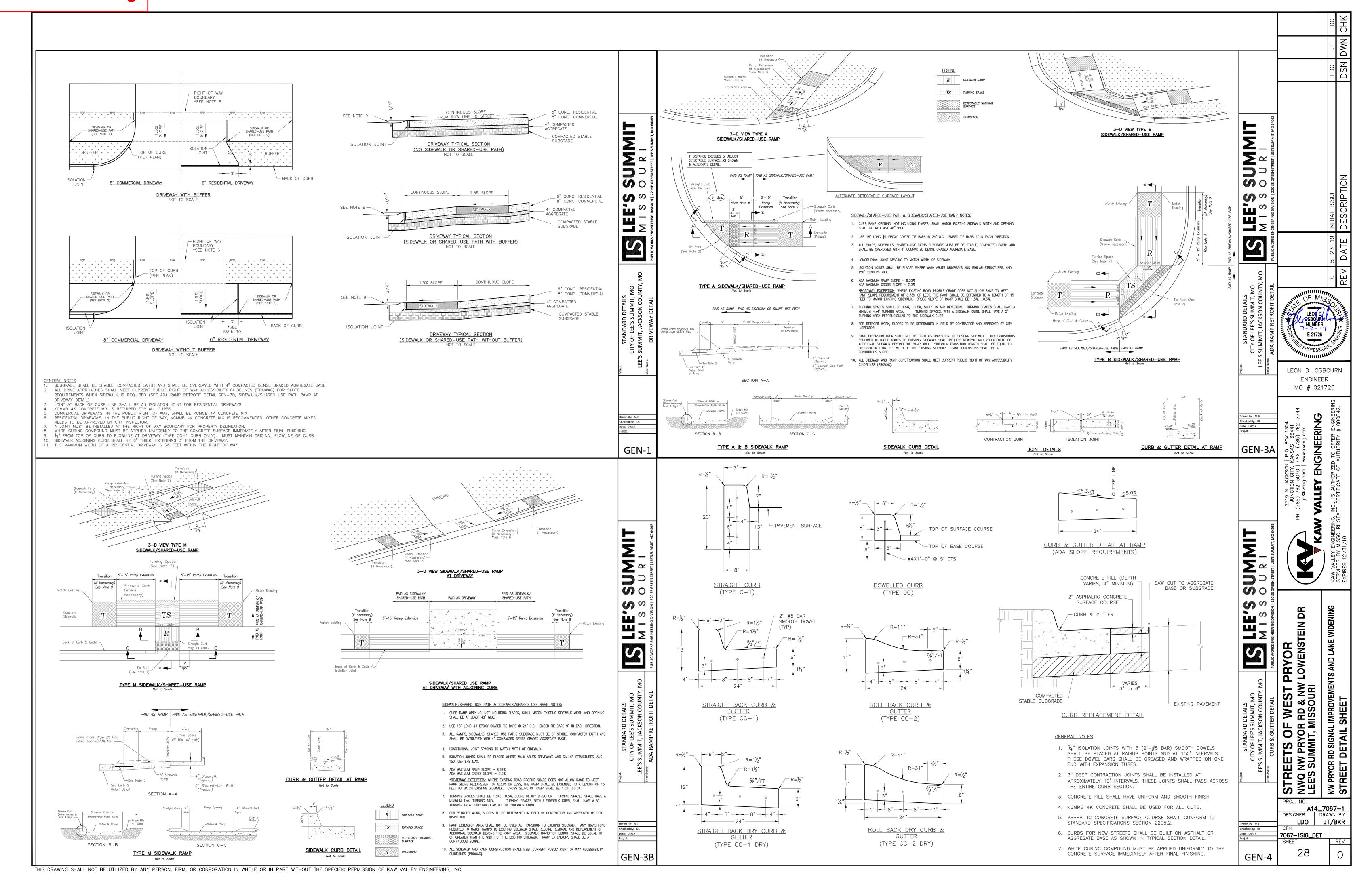
DR EIN

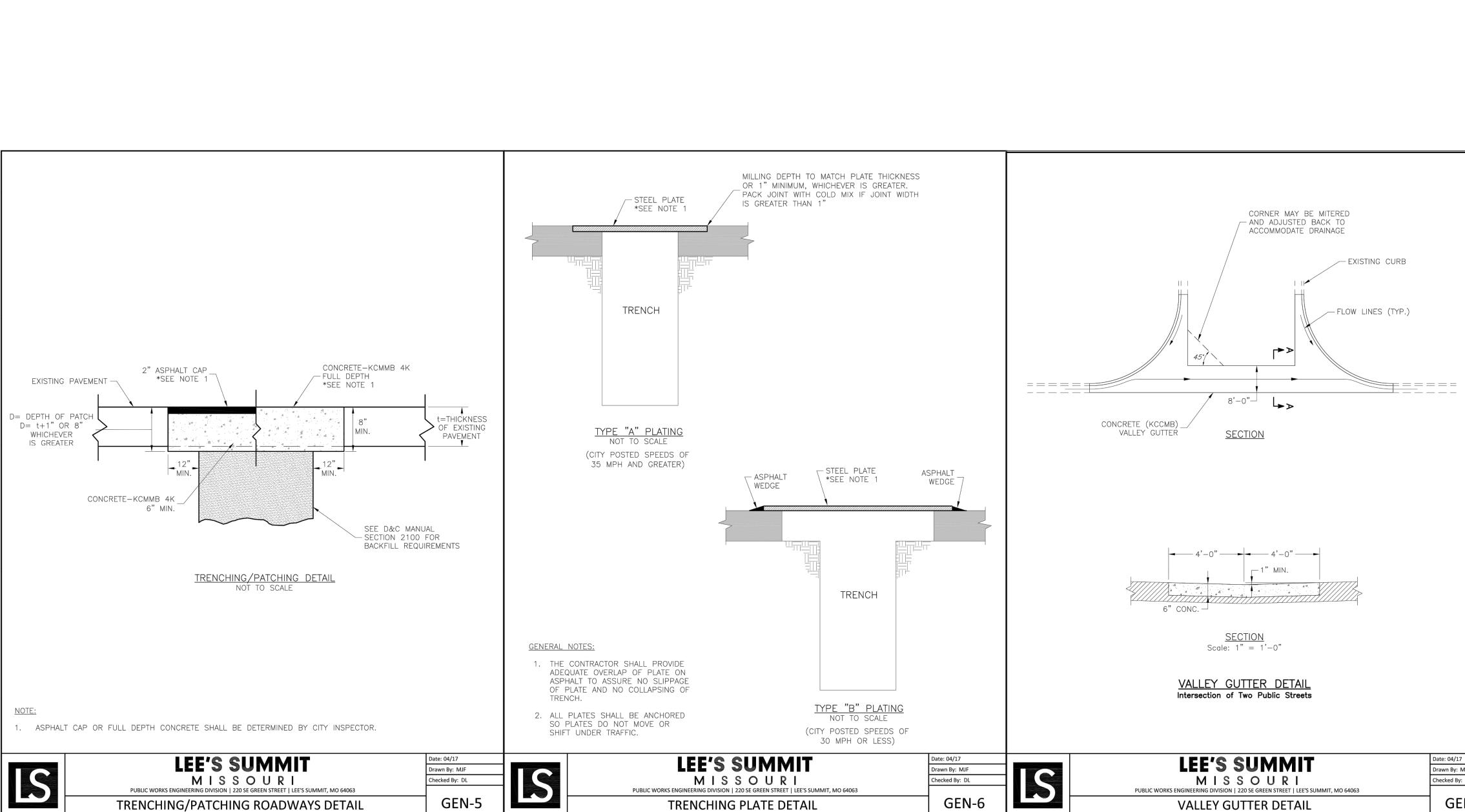
PRYOR / LOWENS

A14_7067-1DESIGNER DRAWN BY LDO











LEON D. OSBOURN MO # 021726

FENGINEERING
HORIZED TO OFFER ENGINEER
ATE OF AUTHORITY # 000842

STREETS OF WEST PRYOR
NWQ NW PRYOR RD & NW LOWENSTEIN DR
LEE'S SUMMIT, MISSOURI

A14_7067-1

DESIGNER DRAWN BY

LDO JT/BKR

Date: 04/17 Drawn By: MJF Checked By: DL GEN-7 VALLEY GUTTER DETAIL

TRENCHING PLATE DETAIL

