

CONSTRUCTION PLANS FOR NW LOWENSTEIN DRIVE & NW BLACK TWIG LANE IMPROVEMENTS STREETS OF WEST PRYOR LEE'S SUMMIT, MISSOURI

MAY 2019

ELECTRIC- SERVICE
KCP&L
NATHAN MICHAEL
(913) 347-4310
Nathan.Michael@kcp.com

COMMUNICATION SERVICE
AT&T
CARRIE CILKE
(816) 703-4386
cc3527@att.com

GAS SERVICE
SPIRE
KATIE DARNELL
(816) 969-2247
Katie.Darnell@spireenergy.com

COMMUNICATION SERVICE
TIME WARNER CABLE
STEVE BAXTER
(913) 643-1928
Steve.Baxter@charter.com

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

COMMUNICATION SERVICE
COMCAST
RYAN ALKIRE
(816) 795-2218
Ryan.Alkire@cable.comcast.com

COMMUNICATION SERVICE
GOOGLE FIBER
BECKY DAVIS
(913) 725-8745
KC-Google=UC@google.com
rebeccadavis@google.com



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.

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.**

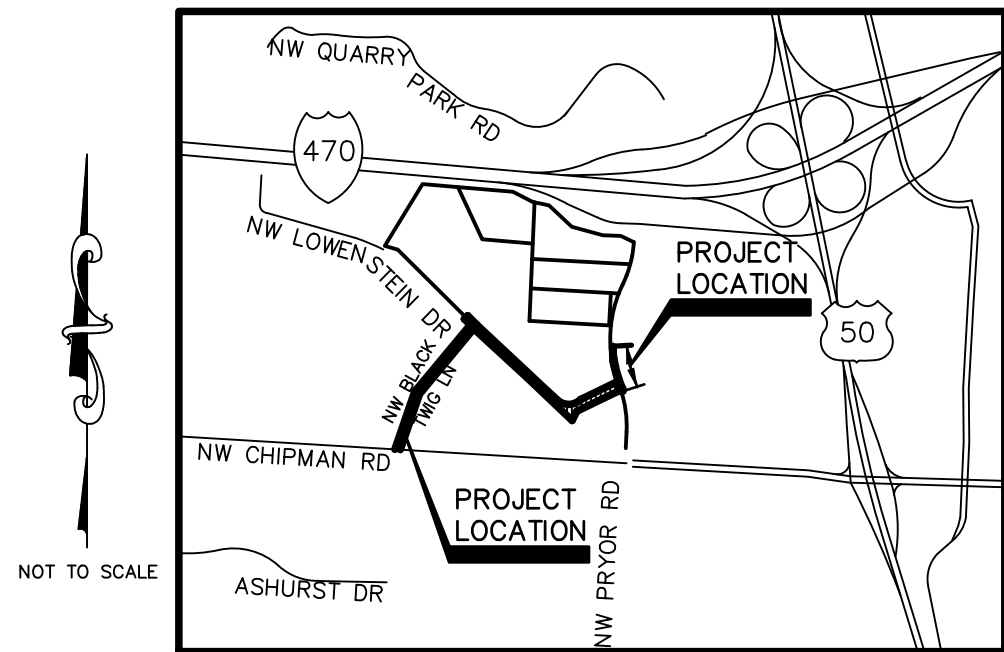
SAFETY NOTICE TO CONTRACTOR

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.

	POSTED SPEED	DESIGN SPEED
NW LOWENSTEIN DRIVE	25	25
NW BLACK TWIG LANE	25	25



LOCATION MAP
CITY OF LEE'S SUMMIT, MISSOURI



LEON D. OSBOURN
PROFESSIONAL ENGINEER

APPROVED THIS _____ DAY OF _____, _____
OWNER: MATT PENNINGTON

APPROVED THIS _____ DAY OF _____, _____
CITY APPROVAL

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

DEVELOPER:
STREETS OF WEST PRYOR, LLC
7200 WEST 132ND STREET
OVERLAND PARK, KS 66213
AGENT: DAVID N. OLSON
email: daveolson@monarchprojectllc.com

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

INDEX TO SHEETS

- TITLE SHEET
- GENERAL NOTES
- GENERAL LAYOUT SHEET
- TYPICAL SECTIONS
- NW LOWENSTEIN DRIVE - PLAN & PROFILE
- NW LOWENSTEIN DRIVE - PLAN & PROFILE
- NW LOWENSTEIN DRIVE - PLAN
- NW LOWENSTEIN DRIVE - PROFILE
- NW LOWENSTEIN DRIVE - PLAN & PROFILE
- NW PRYOR RD WIDENING AT NW LOWENSTEIN DR
- NW BLACK TWIG LANE - PLAN & PROFILE
- NW BLACK TWIG LANE - PLAN & PROFILE
- NW BLACK TWIG LANE - PLAN & PROFILE
- 13A GEOMETRIC LAYOUT - INTERSECTION AND SIDEWALK
- 13B GEOMETRIC LAYOUT - INTERSECTION AND SIDEWALK
- 13C GEOMETRIC LAYOUT - INTERSECTION AND SIDEWALK
- 13D GEOMETRIC LAYOUT - INTERSECTION AND SIDEWALK
- DRAINAGE AREA MAP
- STORM SEWER PLAN AND PROFILE - LINE D
- STORM SEWER PLAN AND PROFILE - LINE D AND D2
- STORM SEWER PLAN AND PROFILE - LINE F
- STORM SEWER PLAN AND PROFILE - LINE H
- STORM SEWER PLAN AND PROFILE - LINE D-6 AND T
- STORM SEWER PLAN AND PROFILE - LINE V AND V-1
- STORM SEWER PLAN AND PROFILE - LINE G AND X
- EROSION CONTROL PLAN
- PAVEMENT MARKING & SIGNING PLANS
- PAVEMENT MARKING & SIGNING PLANS
- PAVEMENT MARKING DETAIL SHEET
- SIGN AND TRAFFIC CONTROL DETAIL SHEET
- STREET DETAIL SHEET
- STREET DETAIL SHEET
- STORM SEWER DETAIL SHEET
- STORM SEWER DETAIL SHEET
- STORM SEWER AND EROSION CONTROL DETAIL SHEET
- 30A EROSION CONTROL DETAIL SHEET
- EROSION CONTROL DETAIL SHEET
- EROSION CONTROL DETAIL SHEET
- EROSION CONTROL DETAIL SHEET
- EROSION CONTROL DETAIL SHEET
- NW LOWENSTEIN DRIVE - CROSS SECTIONS
- NW LOWENSTEIN DRIVE - CROSS SECTIONS
- NW LOWENSTEIN DRIVE - CROSS SECTIONS
- NW LOWENSTEIN DRIVE - CROSS SECTIONS
- NW LOWENSTEIN DRIVE - CROSS SECTIONS
- NW LOWENSTEIN DRIVE - CROSS SECTIONS
- NW LOWENSTEIN DRIVE - CROSS SECTIONS
- NW LOWENSTEIN DRIVE - CROSS SECTIONS
- NW PRYOR DR WIDENING - CROSS SECTIONS
- NW BLACK TWIG LANE - CROSS SECTIONS
- NW BLACK TWIG LANE - CROSS SECTIONS
- NW BLACK TWIG LANE - CROSS SECTIONS



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

BENCHMARKS:
BM #1: CHISELED "SQUARE" ON TOP OF CURB POINT OF INTERSECTION OF WEST PARK PARKING LOT AT EAST DRIVE ENTRANCE. ELEV=985.05

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=971.06

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 STREET.
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 BY OWNER.
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 OTHERWISE NOTED		STORM SEWER MANHOLE
	TELEPHONE SIGN		TELEPHONE MANHOLE
	MONUMENT FOUND, ORIGIN UNCERTAIN UNLESS OTHERWISE NOTED		TELEPHONE PEDESTAL
	DESCRIBED		UNDERGROUND TELEPHONE LINE
	MEASURED		SPLICE BOX
	CALCULATED		FIBER OPTIC CABLE SIGN
	PLATTED		UNDERGROUND FIBER OPTIC CABLE
	STREET SIGN		TRAFFIC CONTROL POLE
	UTILITY POLE		PULL BOX
	UTILITY POLE W/ LIGHT		FLAG POLE
	UTILITY POLE W/TRANSFORMER		MAILBOX
	LIGHT POLE		HANDICAP SIGN
	DEADMAN ANCHOR		HANDICAP PAINTED SYMBOL
	OVERHEAD UTILITY - # LINES		LEFT TURN ARROW
	AIR CONDITIONING UNIT		STRAIGHT ARROW
	ELECTRIC PEDESTAL		RIGHT TURN ARROW
	ELECTRIC METER		GATE POST
	UNDERGROUND ELECTRIC LINE		FENCE POST
	UTILITY MANHOLE		WOOD FENCE
	CABLE TV SIGN		CHAIN LINK FENCE
	CABLE TV PEDESTAL		BARBED WIRE FENCE
	GAS SIGN		DECIDUOUS TREE W/SIZE & DRIP LINE
	GAS METER		EVERGREEN TREE W/SIZE & DRIP LINE
	UNDERGROUND GAS LINE		SAPLING TREE
	GAS CATHODIC PROTECTION STATION		SHRUB
	WATER LINE		STUMP
	WATER LINE GATE VALVE		TREE LINE
	WATER SPIGOT		SHRUB LINE
	WATER METER		PARKING STALL COUNT
	WELL		1' CONTOUR INTERVAL
	FIRE HYDRANT		RESTRICTED ACCESS
	SANITARY SEWER MANHOLE		BACK OF CURB TO BACK OF CURB
	SANITARY SEWER LINE		EDGE TO EDGE



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
joe@kveeng.com | www.kveeng.com

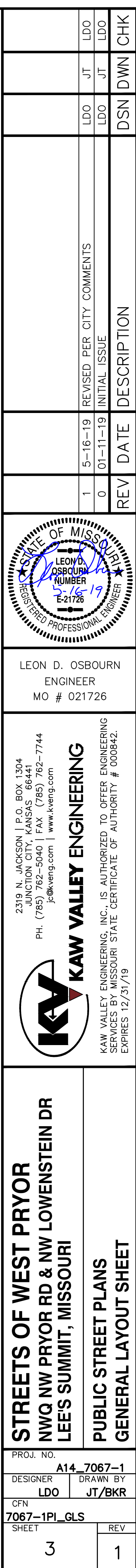
KAW VALLEY ENGINEERING

KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES IN THE STATE OF MISSOURI
EXPIRES 12/31/19

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

PUBLIC STREET PLANS
GENERAL NOTES

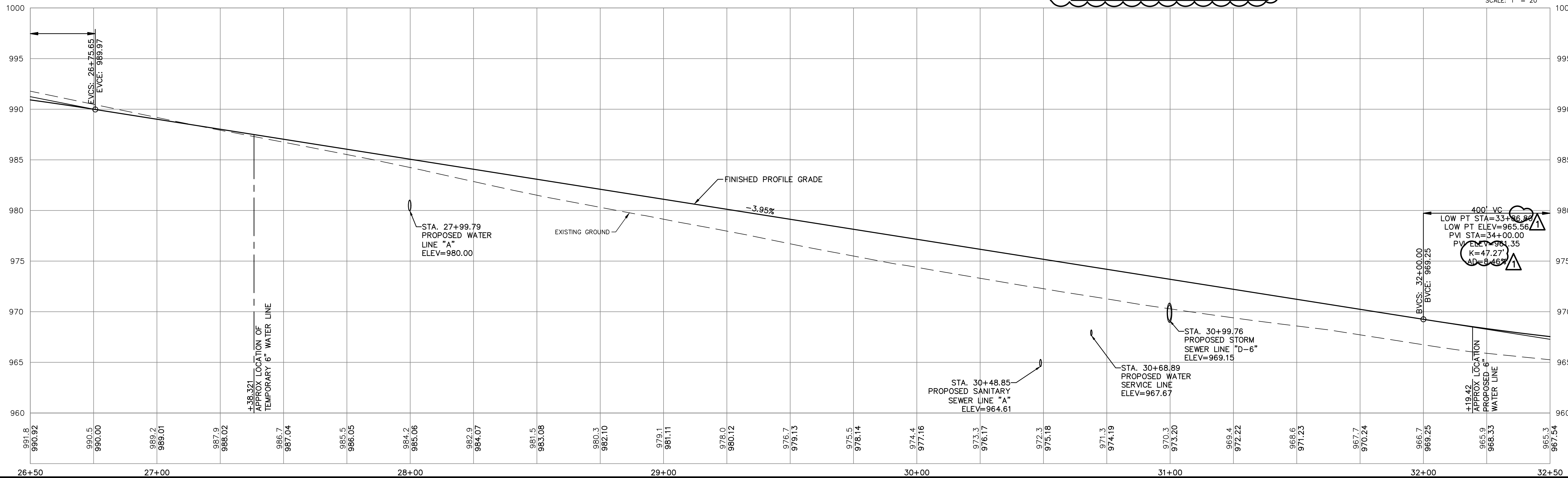
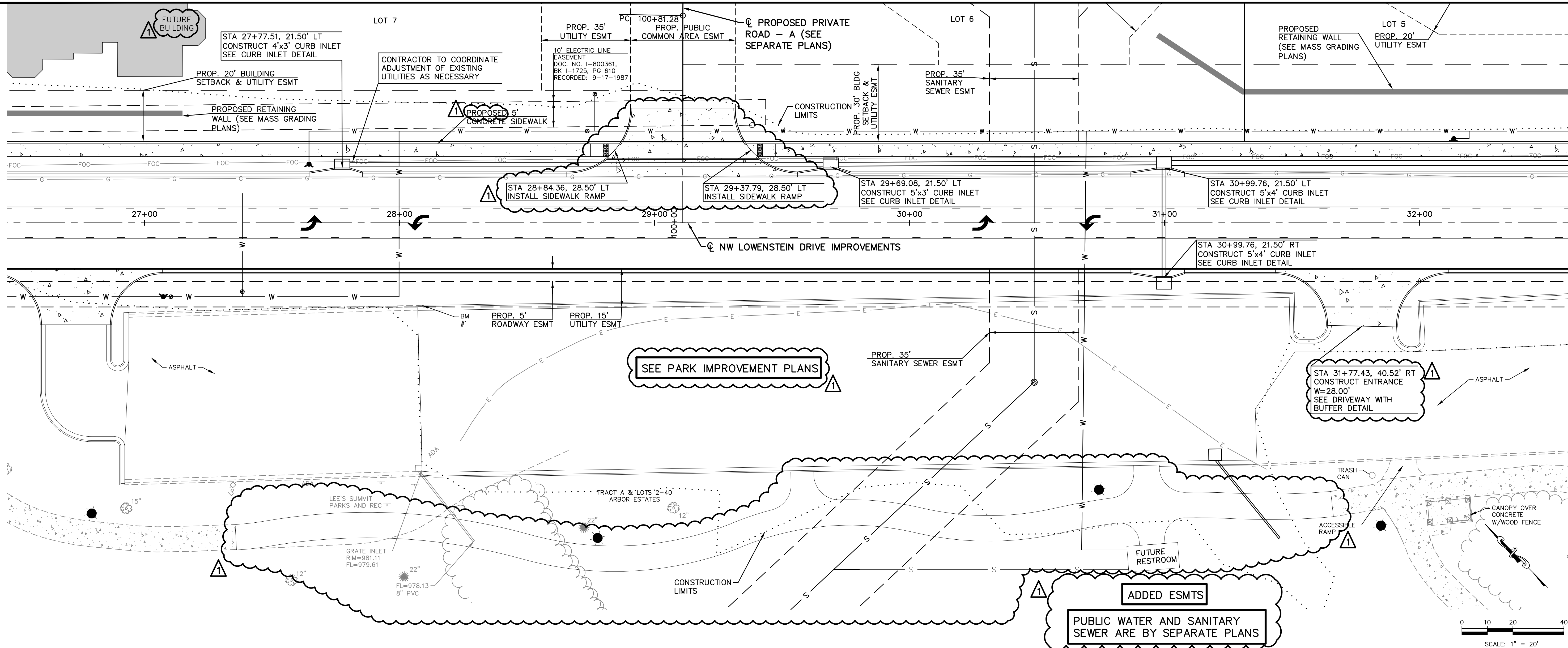
PROJ. NO. A14-7067-1	
DESIGNER LDO	DRAWN BY JT/BKR
CFN 7067-1PI_GEN	
SHEET 2	REV 1





PROJ. NO.		A14_7067-1	
DESIGNER	LDO	DRAWN BY	JT/BKR
CFN			
7067-1PI_TYP			
SHEET		REV	
4		1	

THIS DRAWING SHALL NOT BE UTILIZED BY ANY PERSON, FIRM, OR CORPORATION IN WHOLE OR IN PART WITHOUT THE SPECIFIC PERMISSION OF KAW VALLEY ENGINEERING, INC.



THIS DRAWING SHALL NOT BE UTILIZED BY ANY PERSON, FIRM, OR CORPORATION IN WHOLE OR IN PART WITHOUT THE SPECIFIC PERMISSION OF KAW VALLEY ENGINEERING, INC.

REV	DATE	DESCRIPTION	DSN	CHK
1	5-18-19	REVISED PER CITY COMMENTS	LDO	JT
0	01-11-19	INITIAL ISSUE	LDO	JT

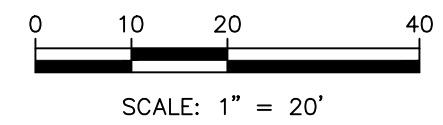
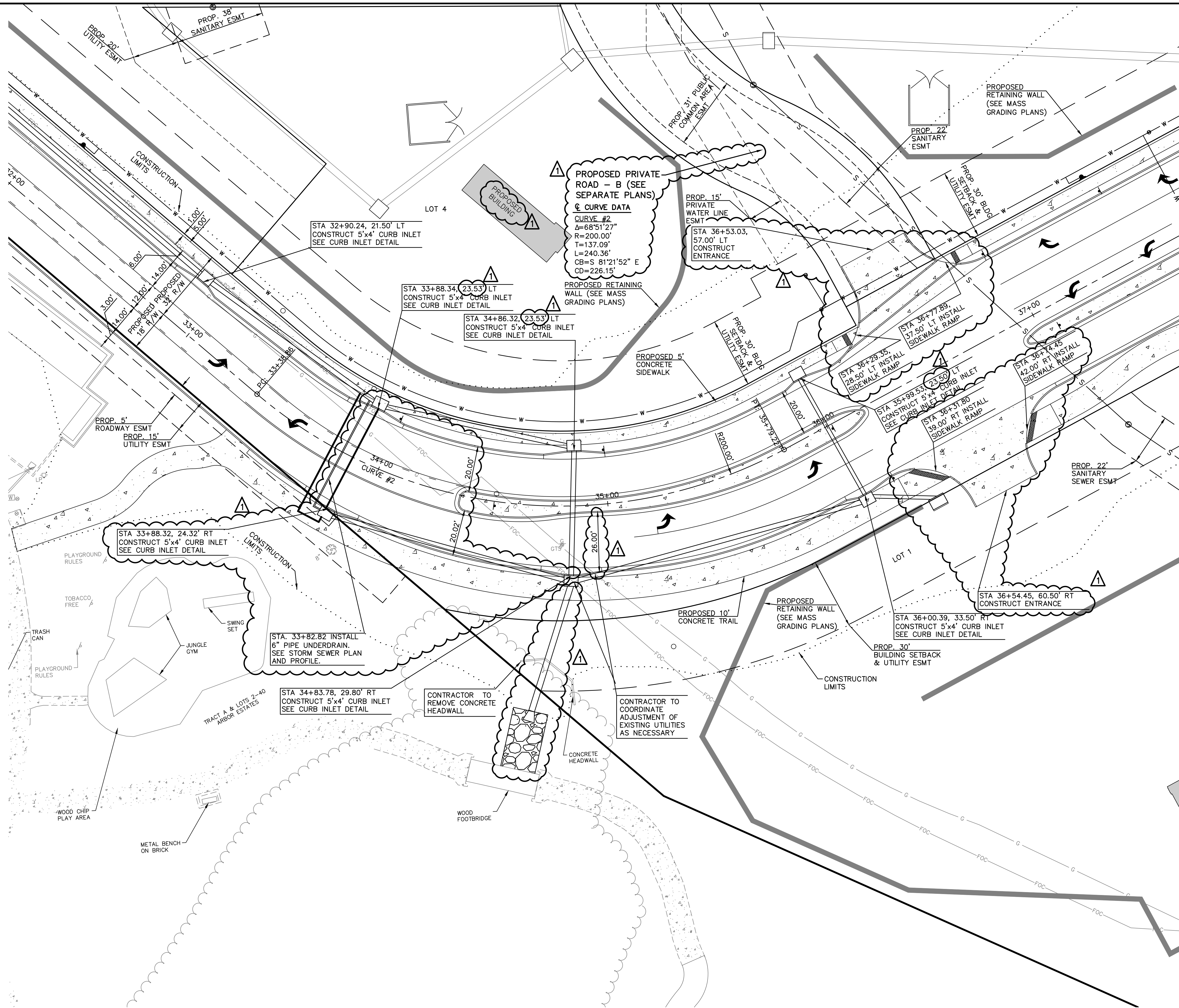
LEON D. OSBOURN
ENGINEER
MO # 021726

KAW VALLEY ENGINEERING
KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES IN THE STATE OF MISSOURI. CERTIFICATE OF AUTHORITY # 000842. EXPIRES 12/31/19.

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

PUBLIC STREET PLANS
NW LOWENSTEIN DRIVE - PLAN & PROFILE

PROJ. NO.	A14-7067-1
DESIGNER	LDO
CFN	JT/BKR
SHEET	7067-1PI-STPP
6	1



ADDED ESMTS
PUBLIC WATER AND SANITARY
SEWER ARE BY SEPARATE PLANS

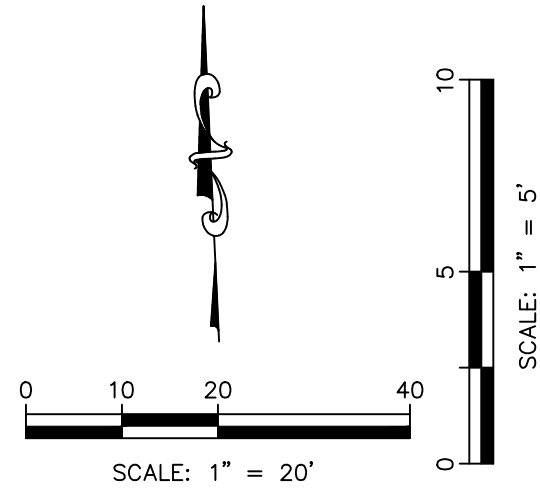
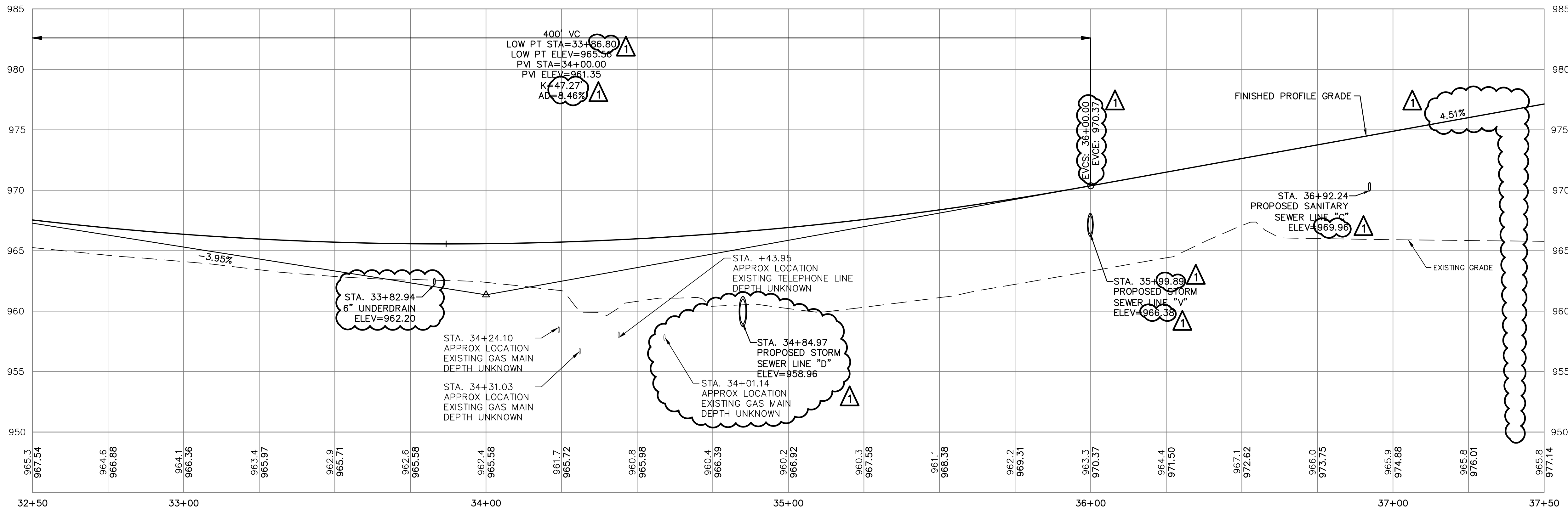


LEON D. OSBOURN
ENGINEER
MO # 021726

2319 N. JACKSON | P.O. BOX 1304
JUNCTION CITY, KANSAS 66441
PH. (785) 762-5040 | FAX (785) 762-7744
joe@kve.com | www.kve.com
KAW VALLEY ENGINEERING
KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING
SERVICES IN THE STATE OF MISSOURI. CERTIFICATE OF AUTHORITY # 000842.
EXPIRES 12/31/19

STREETS OF WEST PRYOR
NWQ NW PRYOR RD & NW LOWENSTEIN DR
LEE'S SUMMIT, MISSOURI
PUBLIC STREET PLANS
NW LOWENSTEIN DRIVE - PLAN

PROJ. NO. A14_7067-1	
DESIGNER LDO	DRAWN BY JT/BKR
CFN 7067-1PI_STPP	
SHEET 7	REV 1



1

PUBLIC WATER AND SANITARY
SEWER ARE BY SEPARATE PLANS



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
joe@kaveng.com | www.kaveng.com

KAW VALLEY ENGINEERING

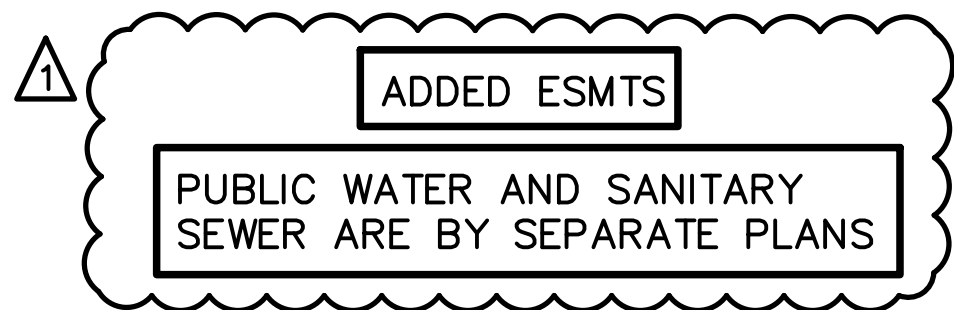
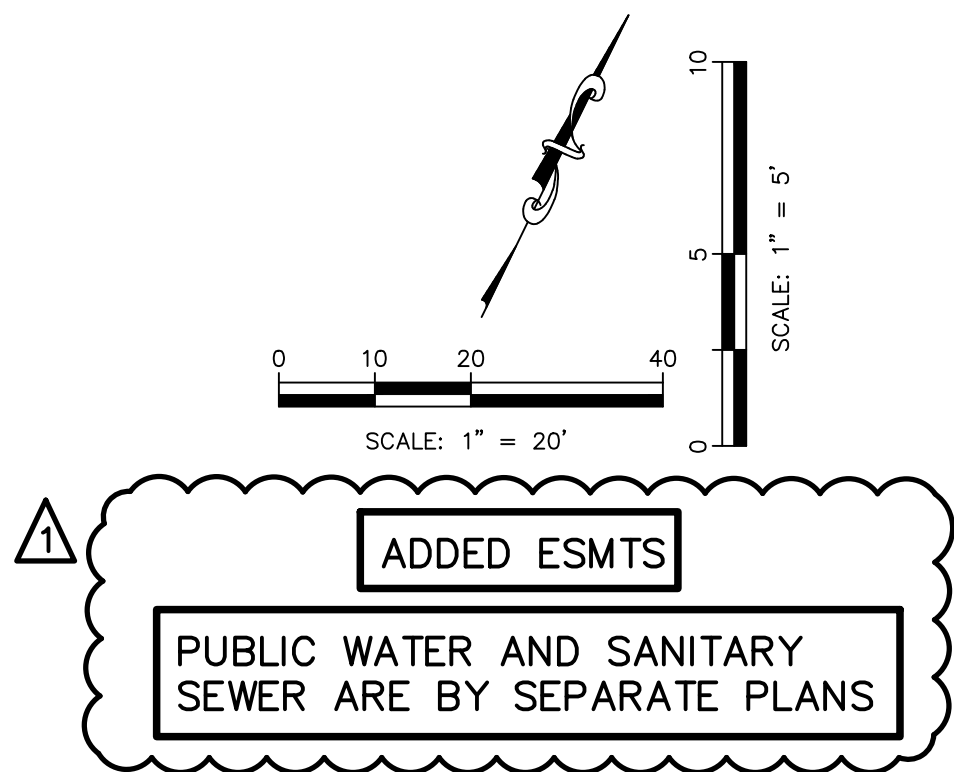
KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES IN MISSOURI UNDER A STATE CERTIFICATE OF AUTHORITY # 000842. EXPIRES 12/31/19

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

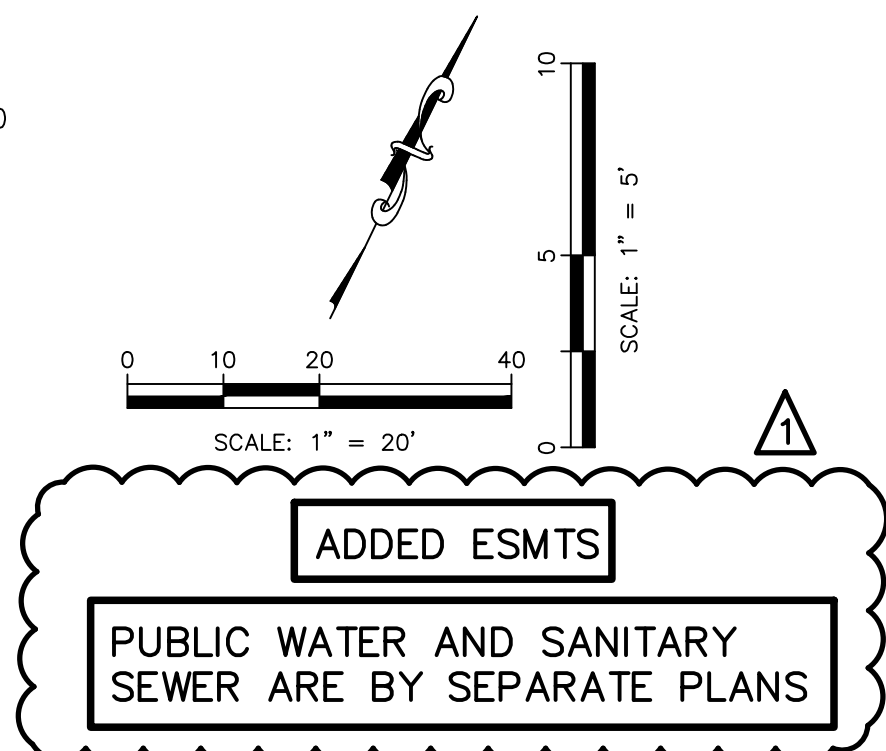
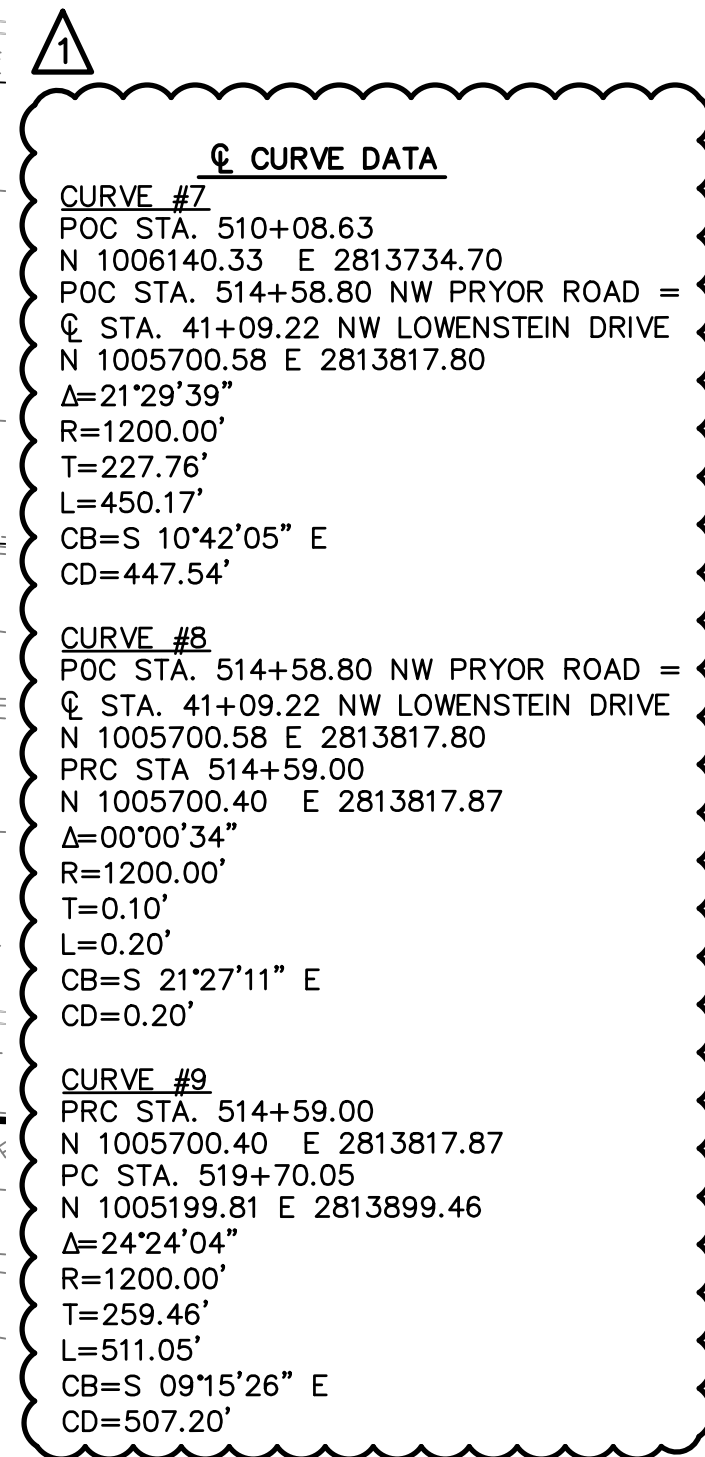
PUBLIC STREET PLANS
NW LOWENSTEIN DRIVE - PROFILE

PROJ. NO. A14-7067-1	
DESIGNER LDO	DRAWN BY JT/BKR
CFN 7067-1PI-STPP	
SHEET 8	REV 1

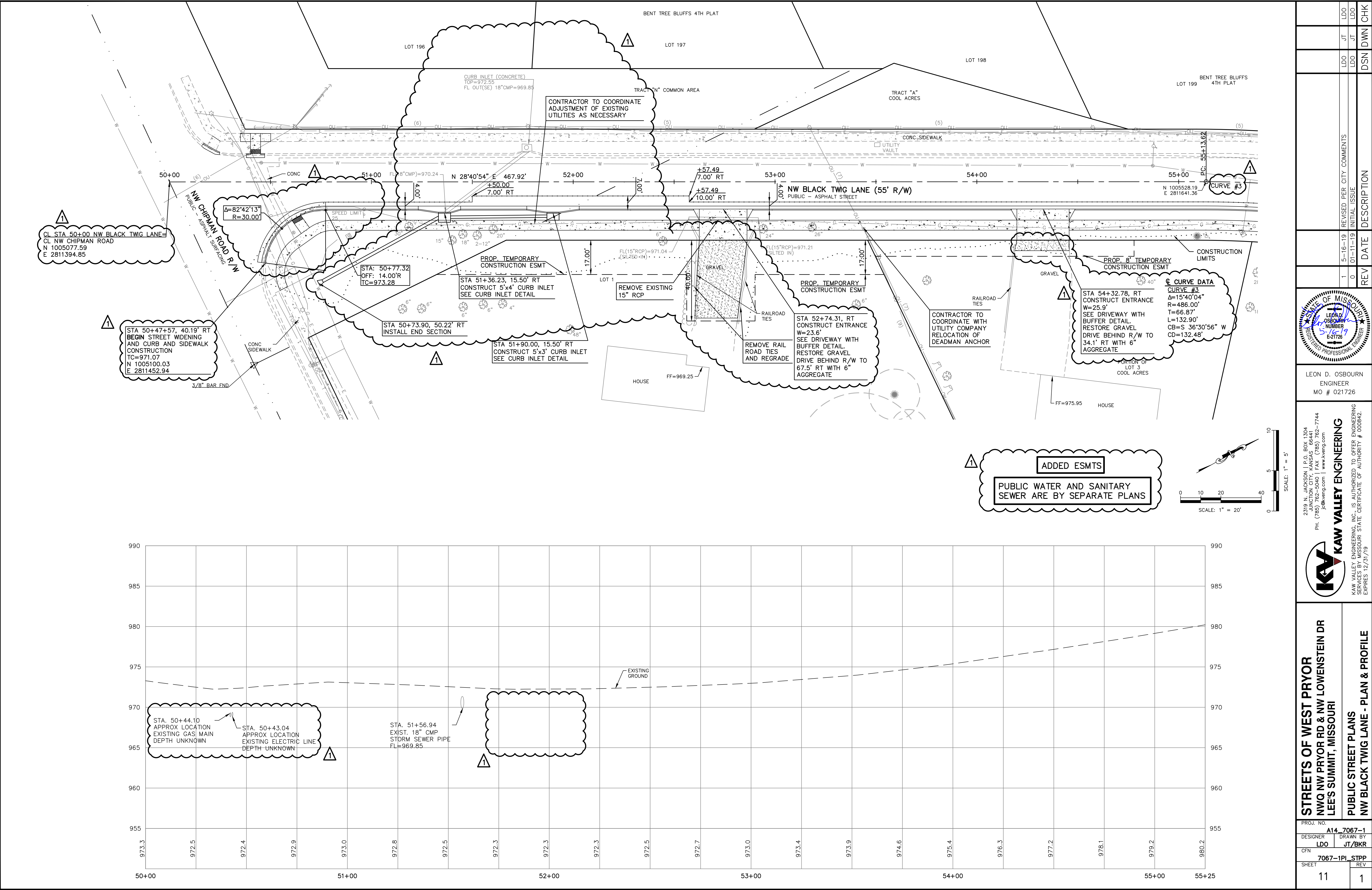
REV	DATE	DESCRIPTION	DSN	DWN	CHK
1	5-18-19	REVISED PER CITY COMMENTS	LDO	JT	LDO
0	01-11-19	INITIAL ISSUE	LDO	JT	LDO



STREETS OF WEST PRYOR											
NWQ NW PRYOR RD & NW LOWENSTEIN DR LEE'S SUMMIT, MISSOURI											
PUBLIC STREET PLANS											
NW LOWENSTEIN DRIVE - PLAN & PROFILE											
PROJ. NO.											
A14_7067-1											
DESIGNER LDO						DRAWN BY JT/BKR					
CFN											
7067-1PI_SPP											
SHEET						REV					
9						1					



THIS DRAWING SHALL NOT BE UTILIZED BY ANY PERSON, FIRM, OR CORPORATION IN WHOLE OR IN PART WITHOUT THE SPECIFIC PERMISSION OF KAW VALLEY ENGINEERING, INC.



THIS DRAWING SHALL NOT BE UTILIZED BY ANY PERSON, FIRM, OR CORPORATION IN WHOLE OR IN PART WITHOUT THE SPECIFIC PERMISSION OF KAW VALLEY ENGINEERING, INC.

REV	DATE	DESCRIPTION	DSN	CHK
1	5-18-19	REVISED PER CITY COMMENTS	LDO	JT
0	01-11-19	INITIAL ISSUE	LDO	JT

LEON D. OSBOURN
ENGINEER
MO # 021726

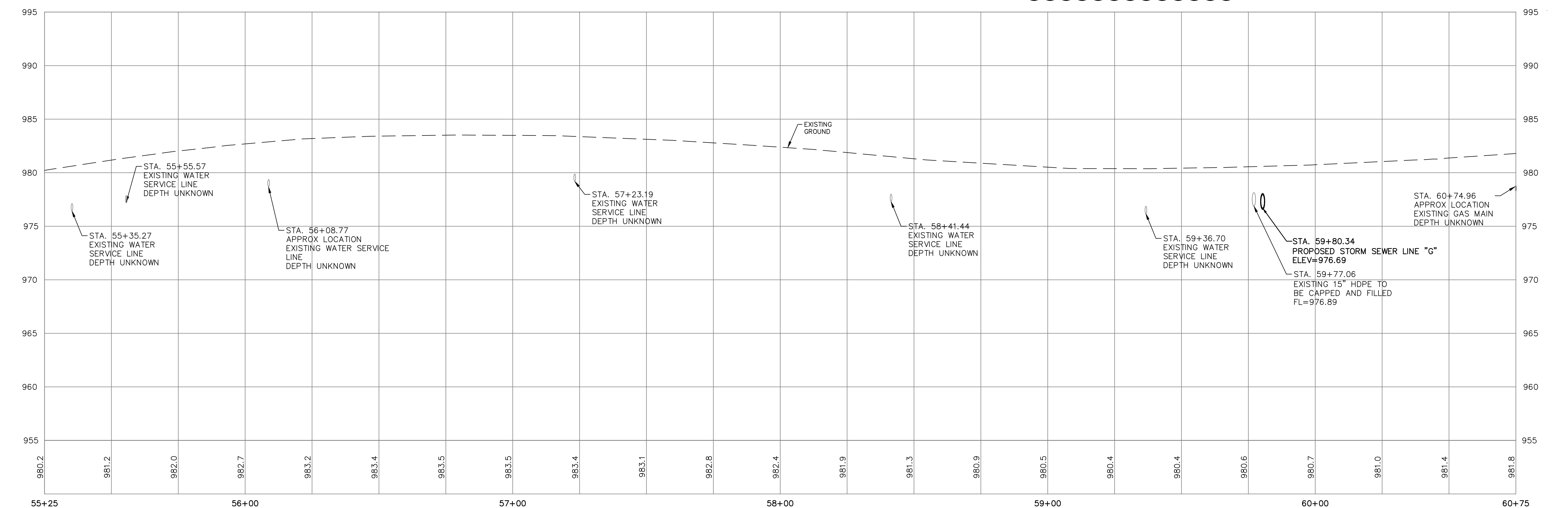
KAW VALLEY ENGINEERING
2319 N. JACKSON | P.O. BOX 1304
JUNCTION CITY, KANSAS 66441
PH. (785) 762-5040 | FAX (785) 762-7744
joe@kve.com | www.kve.com

KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES IN THE STATE OF MISSOURI. CERTIFICATE OF AUTHORITY # 000842. EXPIRES 12/31/19.

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

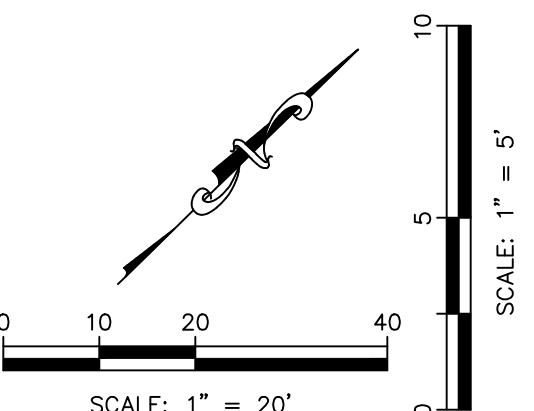
PUBLIC STREET PLANS
NW BLACK TWIG LANE - PLAN & PROFILE

PROJ. NO.	A14-7067-1
DESIGNER	LDO
DRAWN BY	JT/BKR
CFN	
SHEET	7067-1P1-STPP
11	1

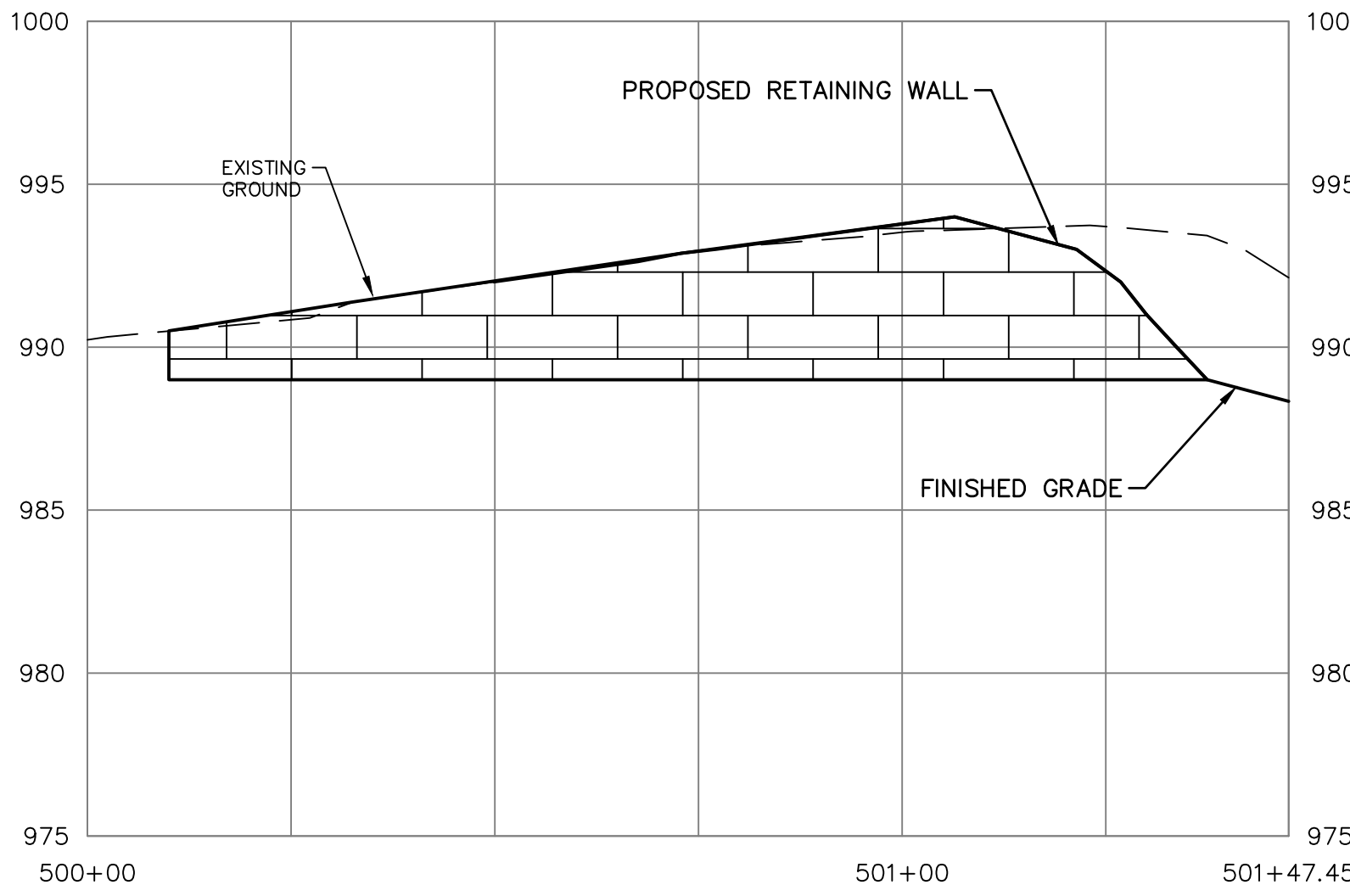


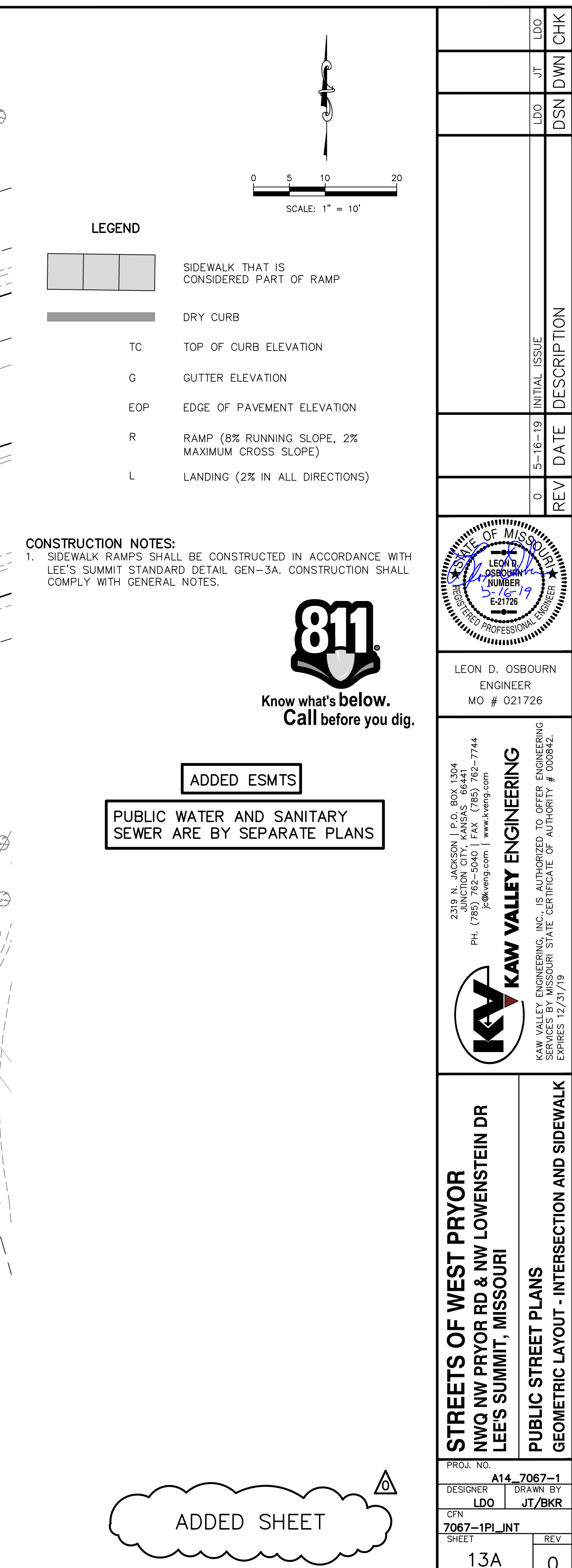
STREETS OF WEST PRYOR NW/Q NW PRYOR RD & NW LOWENSTEIN DR LEE'S SUMMIT, MISSOURI		PUBLIC STREET PLANS NW BLACK TWIG LANE - PLAN & PROFILE	
PROJ. NO. A14-7067-1			
DESIGNER LDQ		DRAWN BY JT/BKR	
CFN 7067-1PI_STPP			
SHEET 12		REV 1	

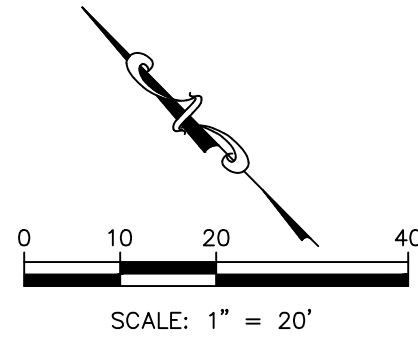
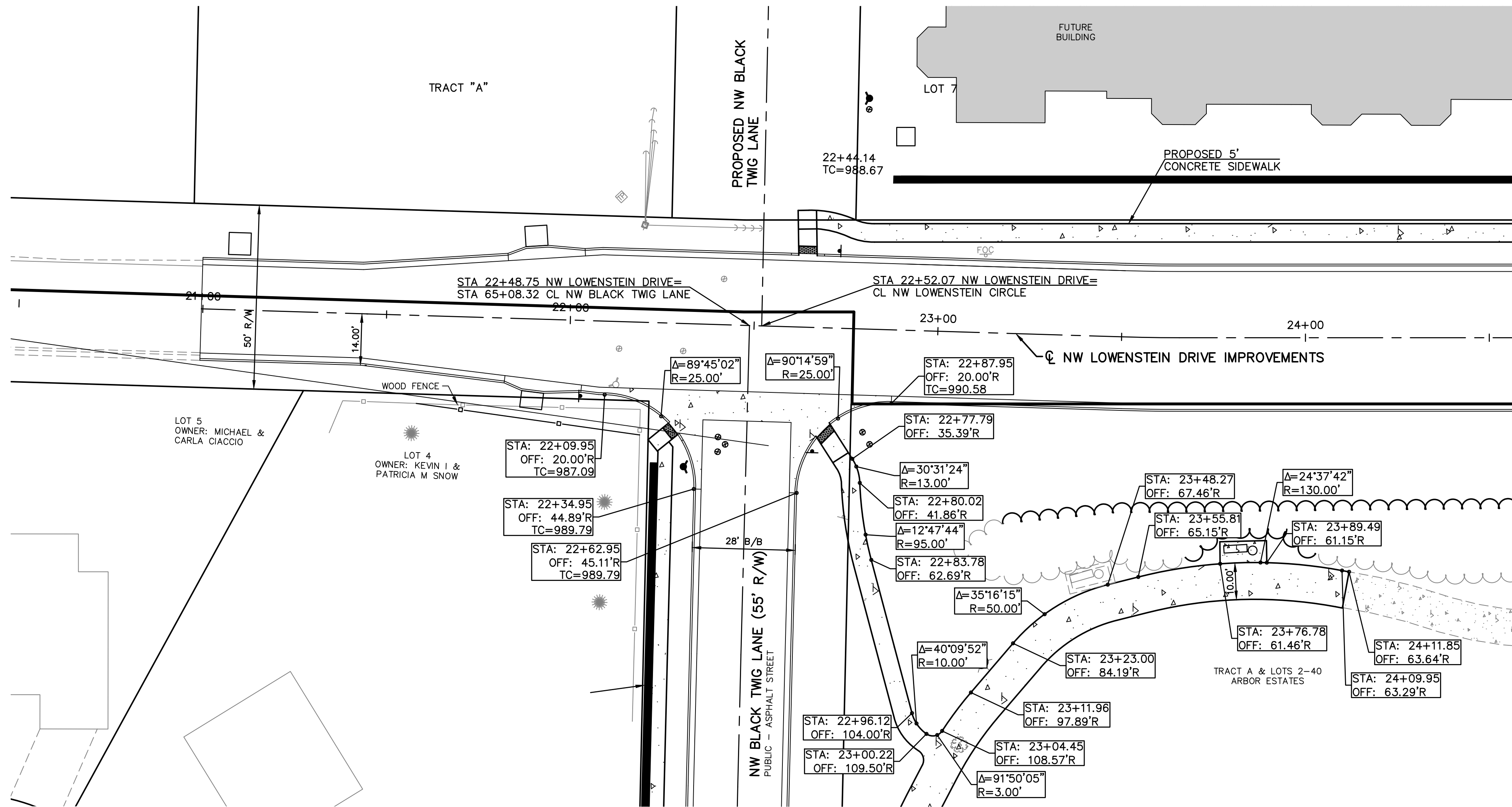
THIS DRAWING SHALL NOT BE UTILIZED BY ANY PERSON, FIRM, OR CORPORATION IN WHOLE OR IN PART WITHOUT THE SPECIFIC PERMISSION OF KAW VALLEY ENGINEERING, INC.



PUBLIC WATER AND SANITARY
SEWER ARE BY SEPARATE PLANS



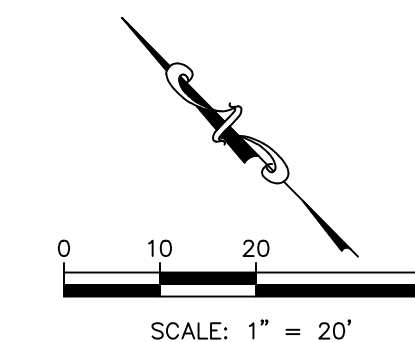
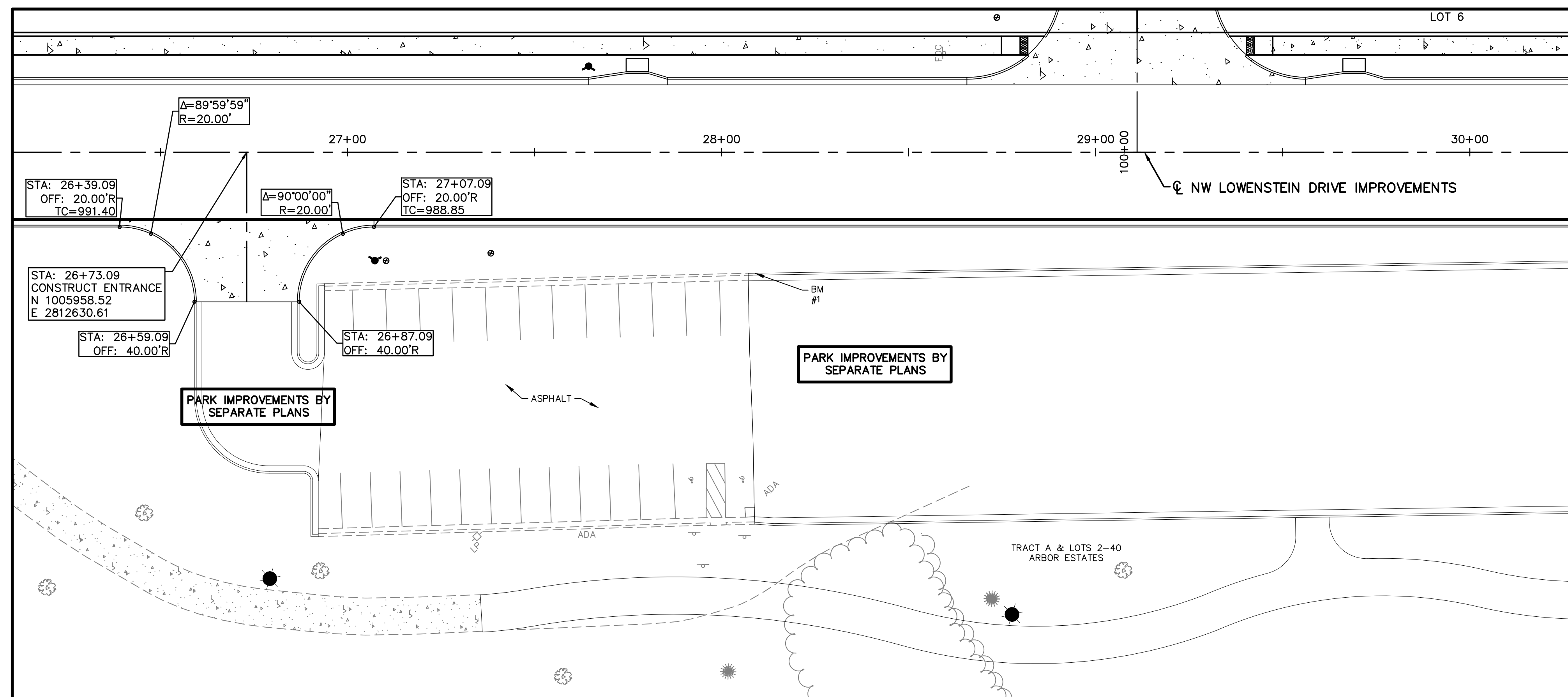




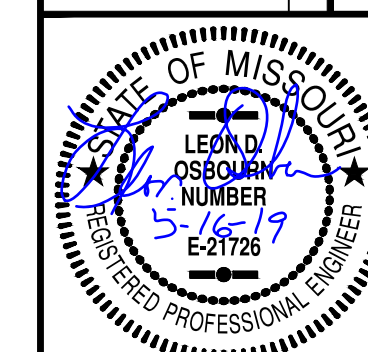
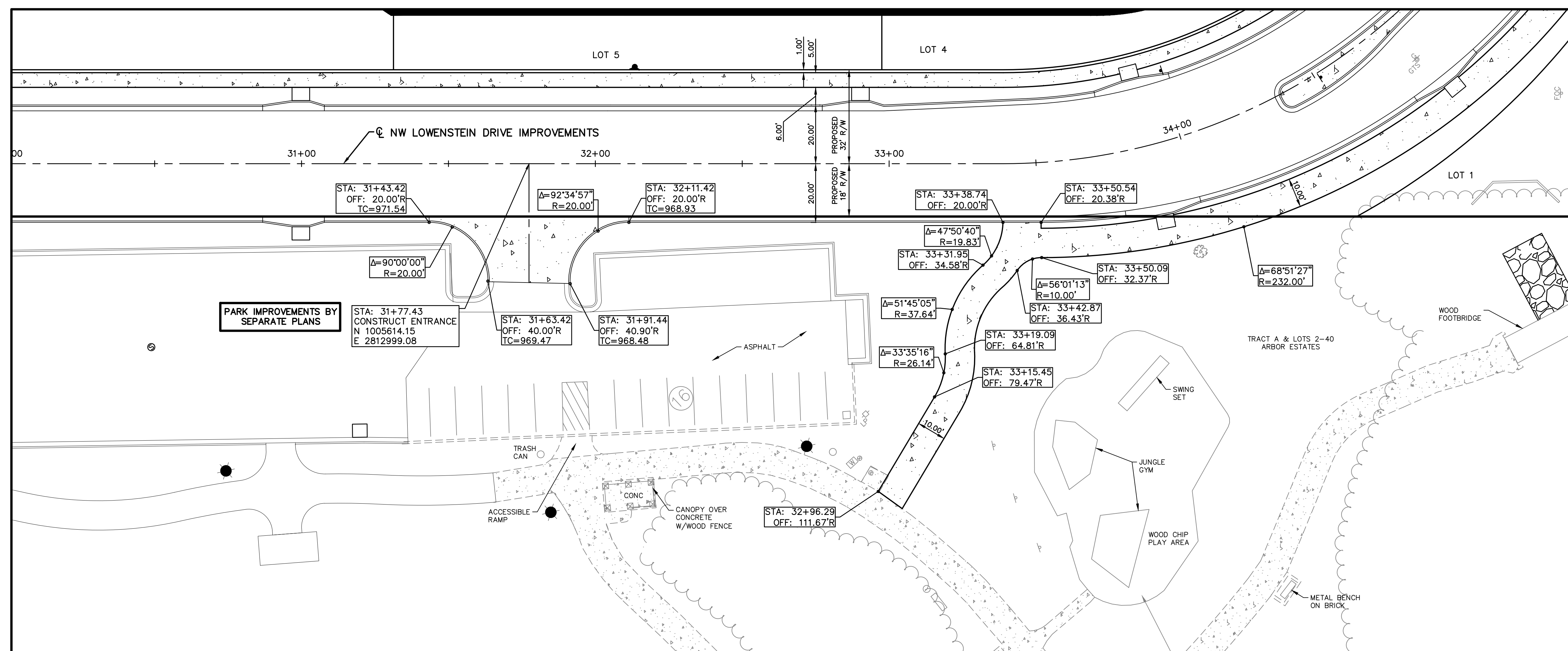
PUBLIC WATER AND SANITARY
SEWER ARE BY SEPARATE PLANS

STREETS OF WEST PRYOR NWQ NW PRYOR RD & NW LOWENSTEIN DR LEE'S SUMMIT, MISSOURI		PROJ. NO.		A14-7067-1			
		DESIGNER	LDO	DRAWN BY	JT/BKR		
		CFN	7067-1PI_INT2				
		SHEET	13B	REV	0		
PUBLIC STREET PLANS GEOMETRIC LAYOUT - INTERSECTION AND SIDEWALK		REV					
		DATE					
		DESCRIPTION					
		INITIAL ISSUE					
		0	5-16-19	LDO	JT	LDO	CHK
							
		LEON D. OSBOURN ENGINEER MO # 021726					
		 KAW VALLEY ENGINEERING 2319 N. JACKSON P.O. BOX 1304 JUNCTION CITY, MO 66441 PH. (785) 762-5040 FAX. (785) 762-7744 jdo@kveeng.com www.kveeng.com					
		KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES IN MISSOURI STATE CERTIFICATE OF AUTHORITY # 000842. EXPIRES 12/31/19					

ADDED SHEET



PUBLIC WATER AND SANITARY
SEWER ARE BY SEPARATE PLANS

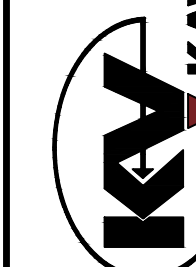


LEON D. OSBOURN
ENGINEER
MO # 021726

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

VALLEY ENGINEERING

S., INC. IS AUTHORIZED TO OFFER ENGINEERING
STATE CERTIFICATE OF AUTHORITY # 000842.



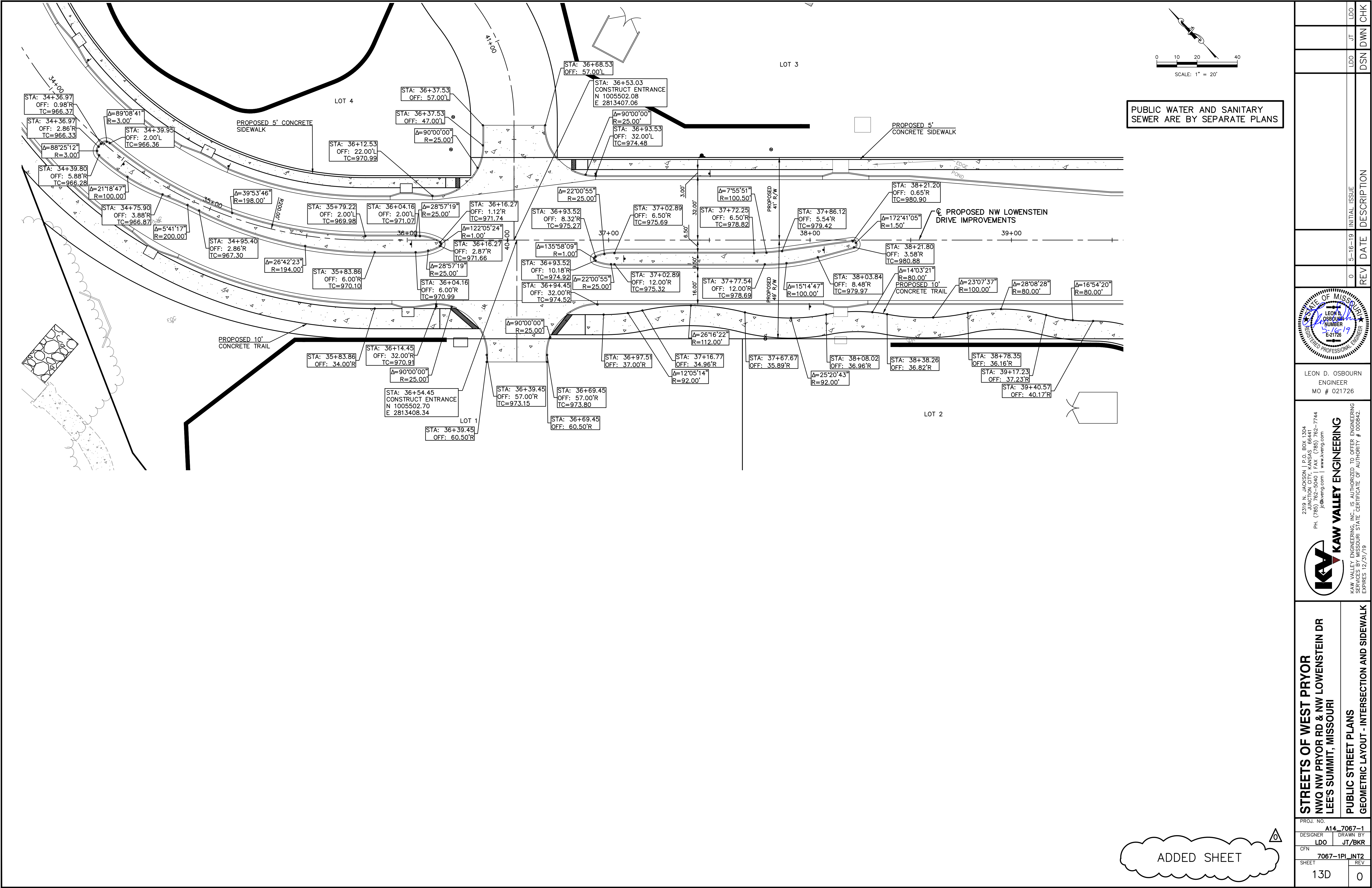
KAW VALLEY ENGINEERING, INC., IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY MISSOURI STATE CERTIFICATE OF AUTHORITY # 000842.

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

PUBLIC STREET PLANS

PROJ. NO.		A14_7067-1	
DESIGNER	LDO	DRAWN BY	JT/BKR
CFN		7067-1PI_INT2	
SHEET		REV	
13C		0	

ADDED SHEET



THIS DRAWING SHALL NOT BE UTILIZED BY ANY PERSON, FIRM, OR CORPORATION IN WHOLE OR IN PART WITHOUT THE SPECIFIC PERMISSION OF KAW VALLEY ENGINEERING, INC.

PROJ. NO.		A14-7067-1	
DESIGNER		LDO	
CFN		JT/BKR	
SHEET		7067-1PI_JNT2	
13D		0	
STREETS OF WEST PRYOR		NW/4 NW PRYOR RD & NW LOWENSTEIN DR	
PUBLIC STREET PLANS		LEE'S SUMMIT, MISSOURI	
GEOMETRIC LAYOUT - INTERSECTION AND SIDEWALK		PUBLIC WATER AND SANITARY SEWER ARE BY SEPARATE PLANS	
REV		DATE	
0		5-18-19	
INITIAL		ISSUE	
LDO		JT	
DSN		DWN	
CHK		LDO	

STATE OF MISSOURI

LEON D. OSBOURN

ENGINEER

NUMBER

021726

EXPIRES 12/31/19

2319 N. JACKSON | P.O. BOX 304

JUNCTION CITY, KANSAS 66441

PH. (785) 762-5040 | FAX (785) 762-7744

www.kveng.com | www.kveng.com

KAW VALLEY ENGINEERING

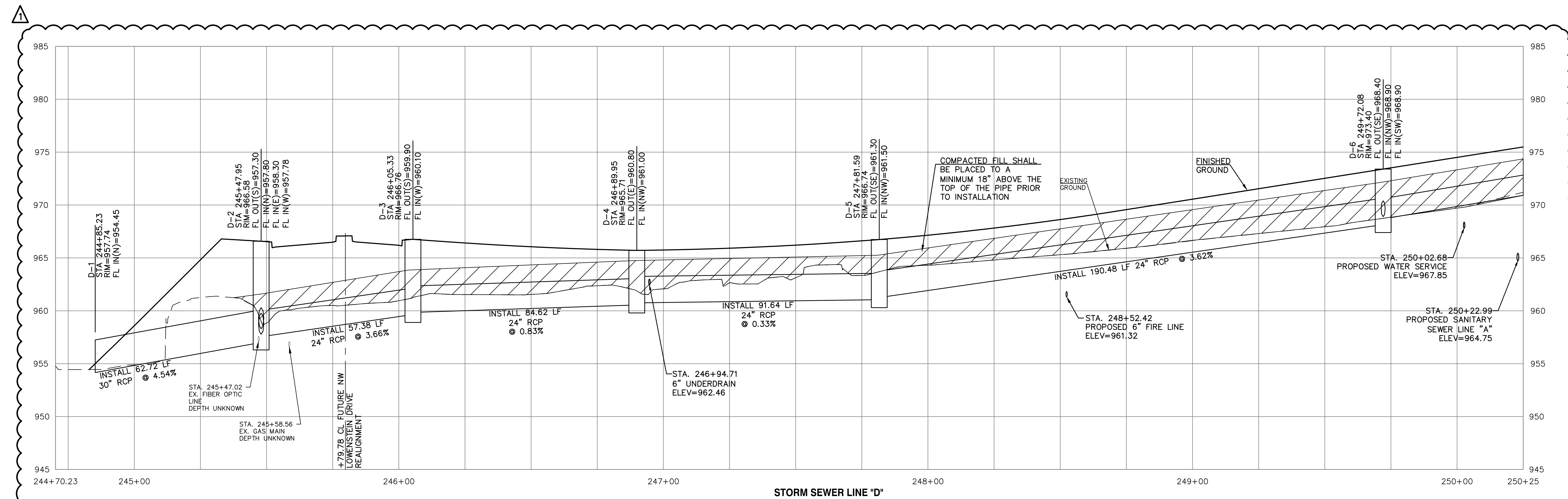
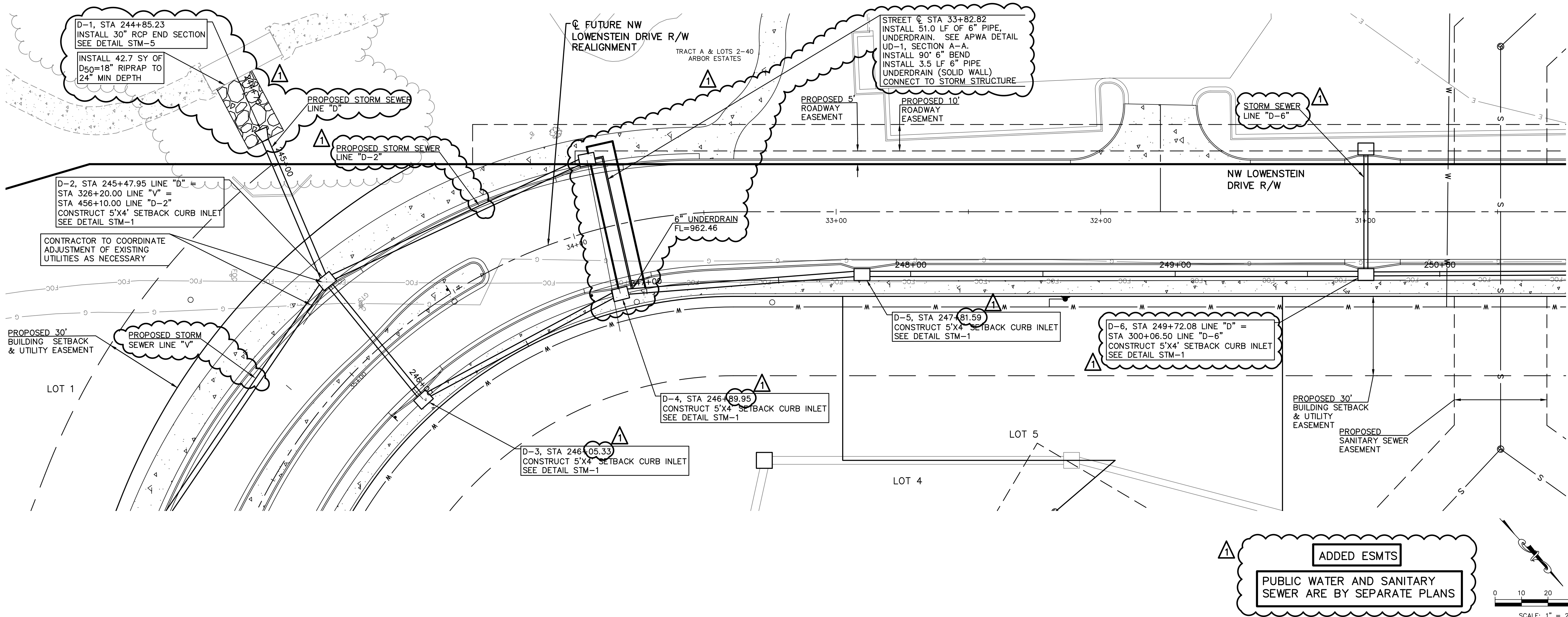
KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES IN THE STATE OF MISSOURI UNDER THE CERTIFICATE OF AUTHORITY # 000842. EXPIRES 12/31/19

LEON D. OSBOURN

ENGINEER

MO # 021726

ADDED SHEET



1	5-18-19	REVISED PER CITY COMMENTS	LDO	JT	LDO	CHK
0	01-11-19	INITIAL ISSUE	LDO	JT	LDO	CHK
REV	DATE	DESCRIPTION	DSN	DWN	CHK	

LEON D. OSBOURN
ENGINEER
MO # 021726

KAW VALLEY ENGINEERING

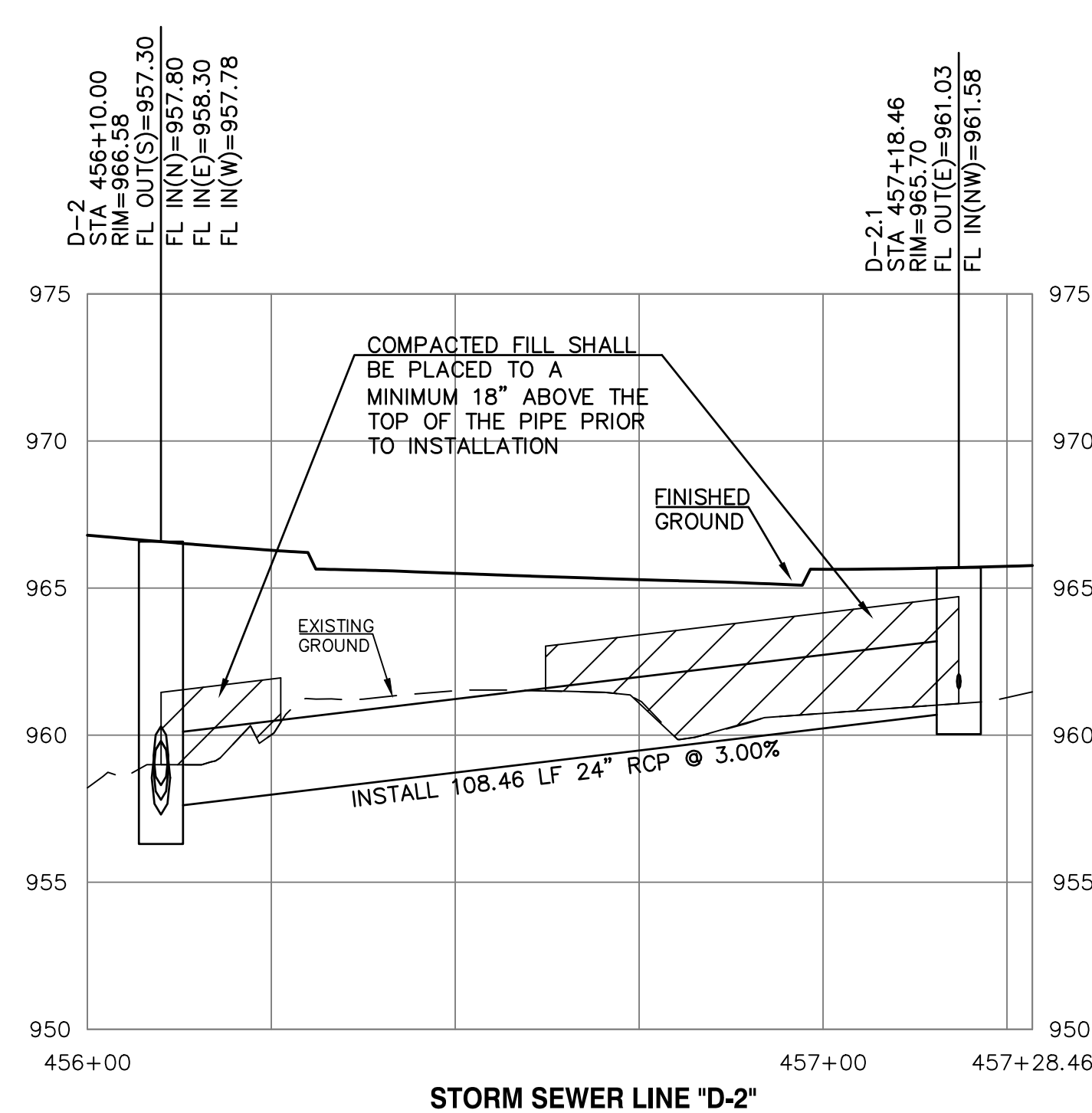
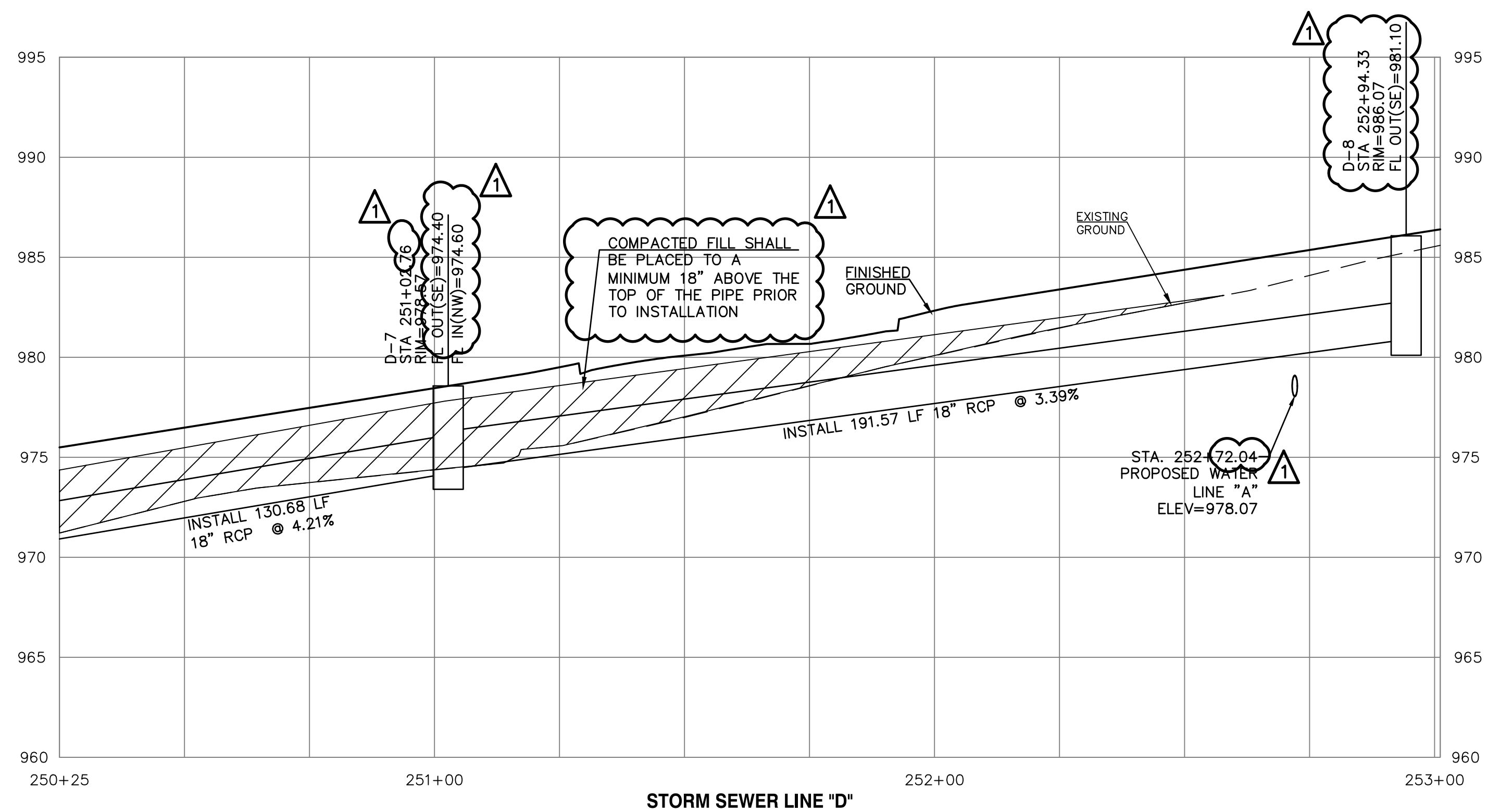
2319 N. JACKSON | P.O. BOX 1304
JUNCTION CITY, KANSAS 66441
PH. (785) 762-5040 | FAX (785) 762-7744
joe@kve.com | www.kve.com

KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES IN THE STATE OF MISSOURI. CERTIFICATE OF AUTHORITY # 000842. EXPIRES 12/31/19.

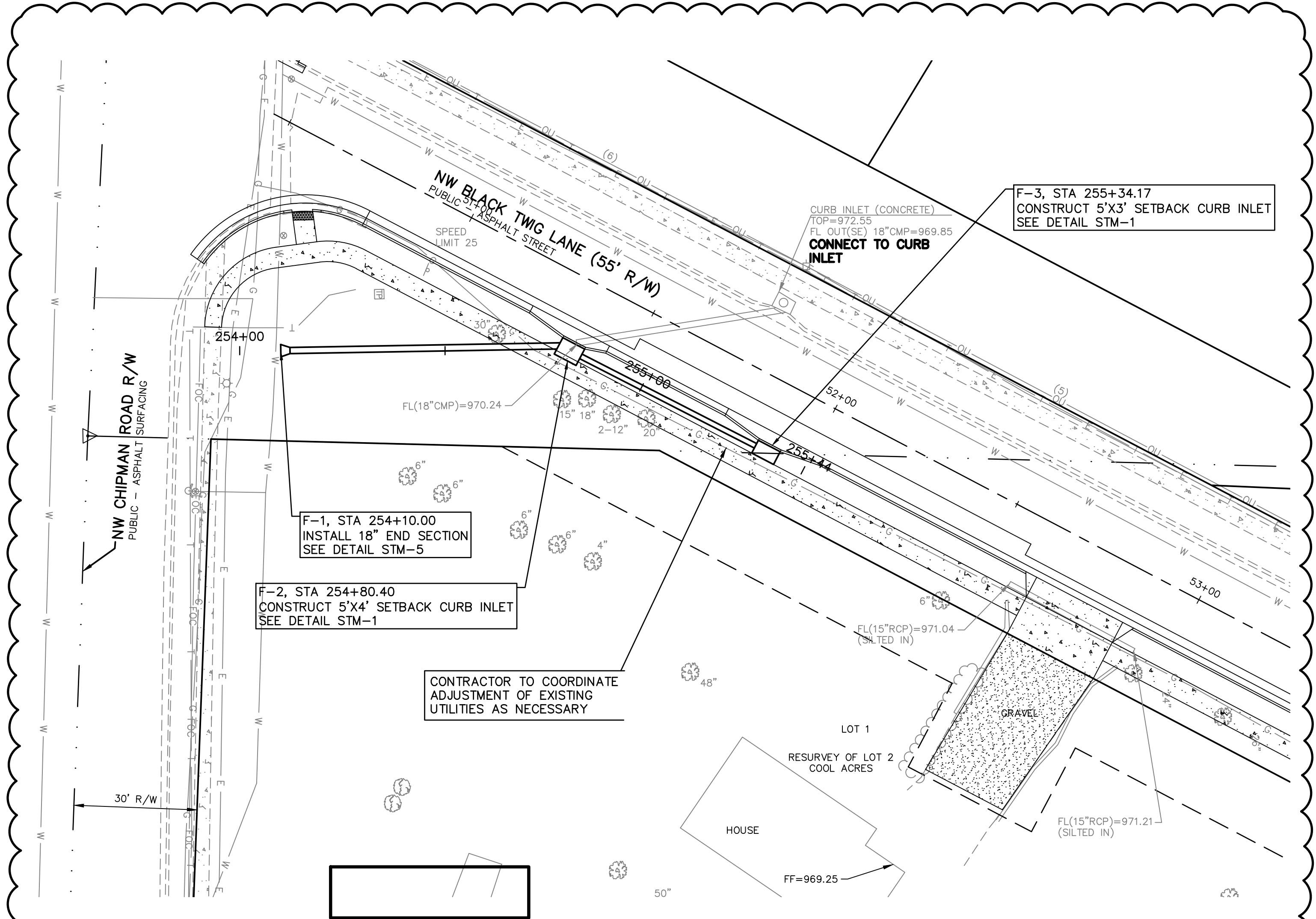
STREETS OF WEST PRYOR
NW QW PRYOR RD & NW LOWENSTEIN DR
LEE'S SUMMIT, MISSOURI

PUBLIC STREET PLANS
STORM SEWER PLAN AND PROFILE - LINE D

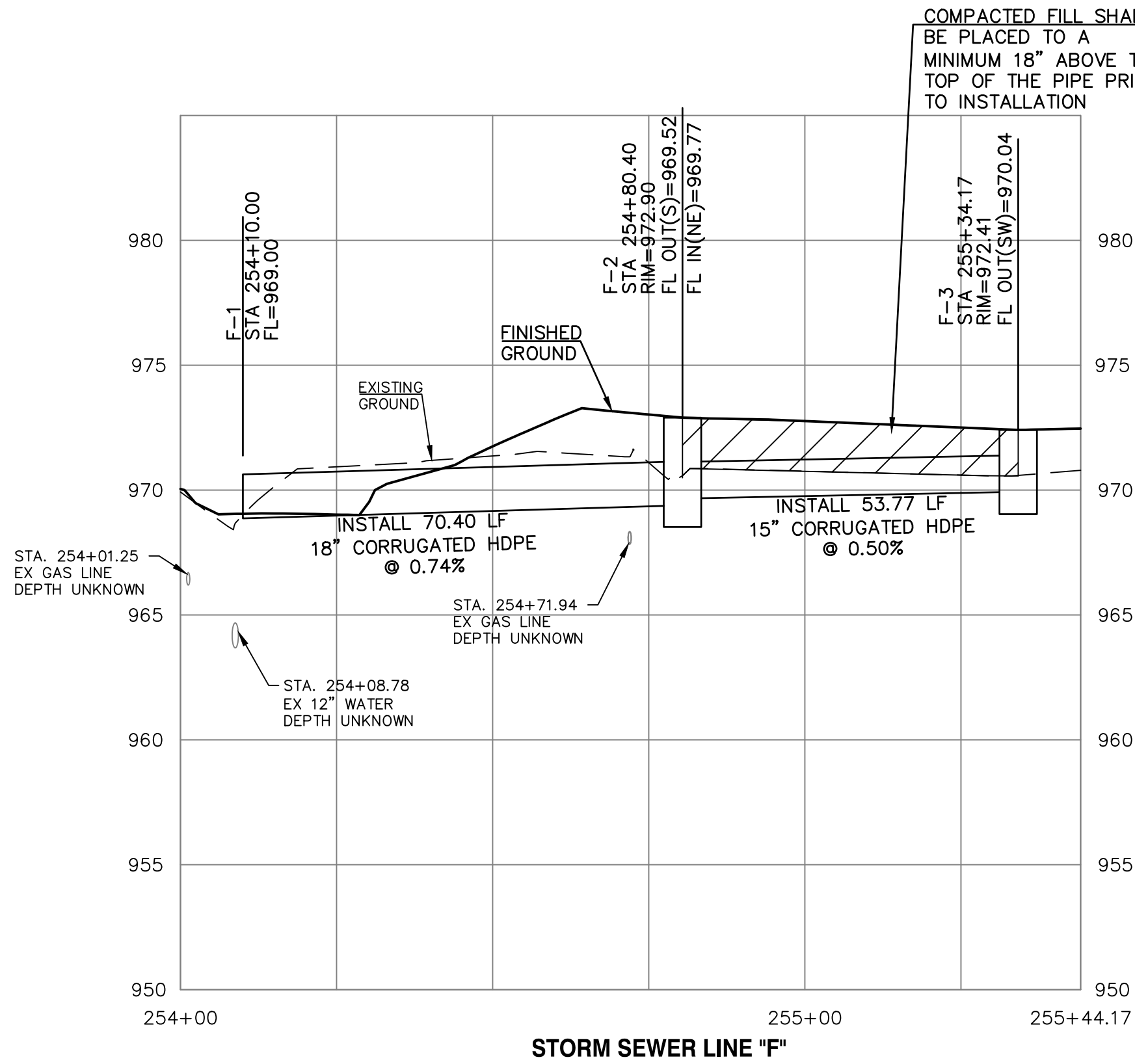
PROJ. NO.	A14-7067-1
DESIGNER	LDO
DRAWN BY	JT/BKR
CFN	
7067-1PI-DPP	
SHEET	REV
15	1




KAW VALLEY ENGINEERING
 2319 N. JACKSON | P.O. BOX 1304
 JUNCTION CITY, KANSAS 66441
 PH. (785) 762-5040 | FAX (785) 762-7744
 js@kve.com | www.kve.com



NOTE: ADJUST CURB LINE ELEVATION AS NEEDED FOR POSITIVE DRAINAGE TO INLET



ADDED ESMTS

PUBLIC WATER AND SANITARY SEWER ARE BY SEPARATE PLANS

SCALE: 1" = 20'

SCALE: 1" = 5'

REV	DATE	DESCRIPTION	DSN	DWN	CHK
1	5-18-19	REVISED PER CITY COMMENTS	LDO	JT	LDO
0	01-11-19	INITIAL ISSUE	LDO	JT	LDO



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
joe@kveeng.com | www.kveeng.com

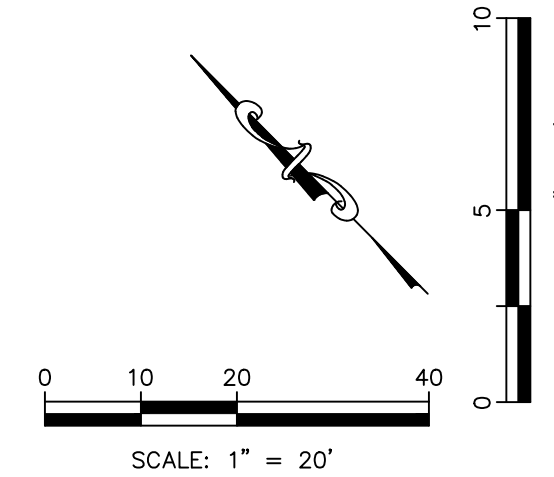
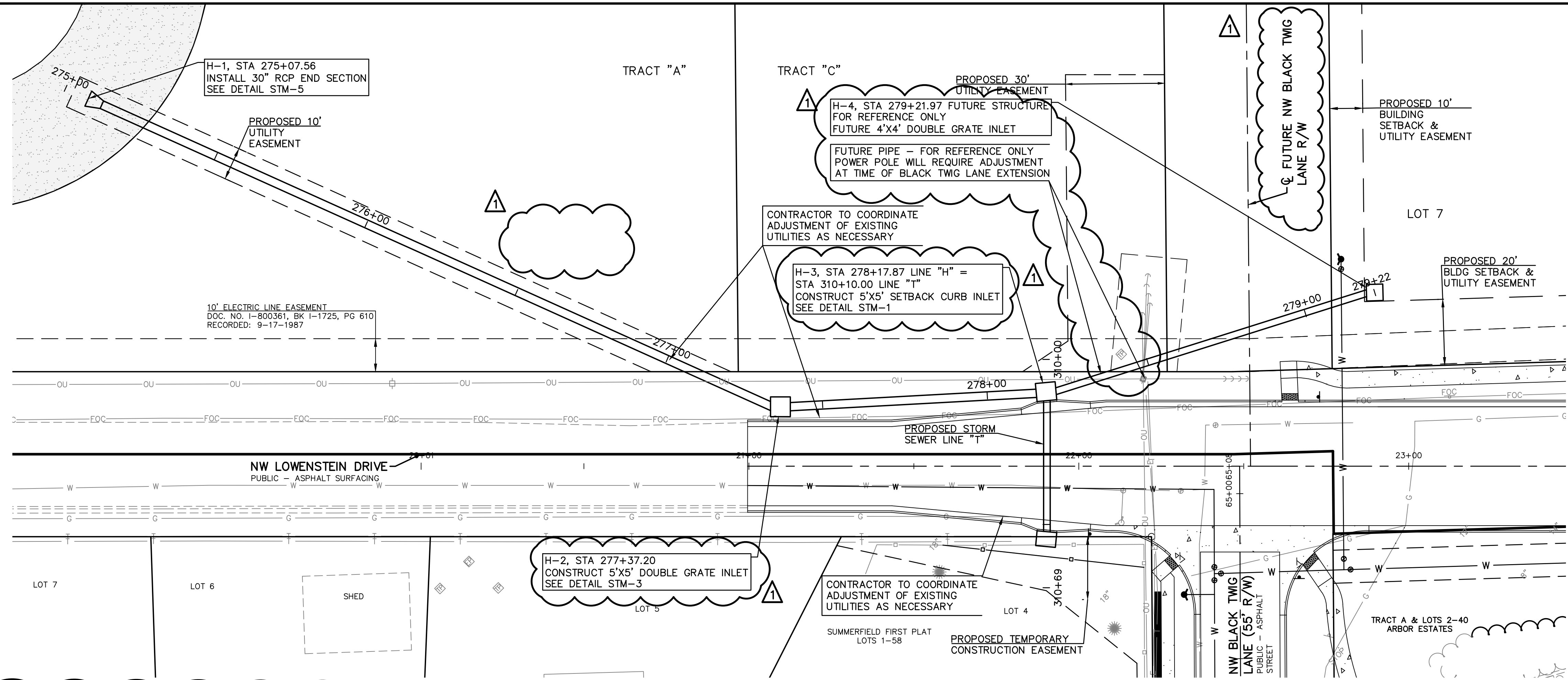
KAW VALLEY ENGINEERING

KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES IN MISSOURI STATE CERTIFICATE OF AUTHORITY # 000842. EXPIRES 12/31/19

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

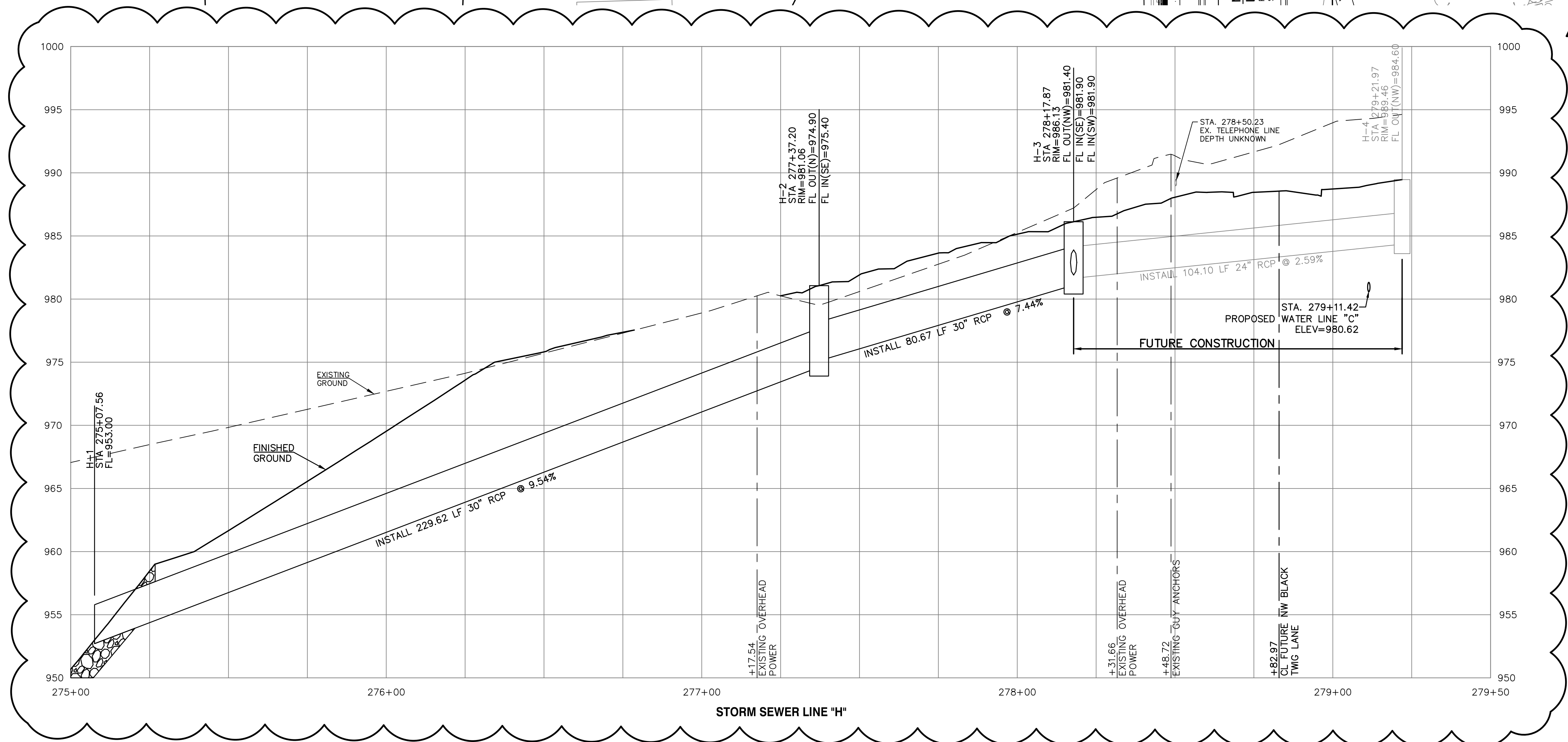
PUBLIC STREET PLANS
STORM SEWER PLAN AND PROFILE - LINE F

PROJ. NO.	A14_7067-1
DESIGNER	LDO
DRAWN BY	JT/BKR
CFN	7067-1PI_DPP
SHEET	REV
17	1



ADDED ESMTS

PUBLIC WATER AND SANITARY SEWER ARE BY SEPARATE PLANS



1	5-18-19	REVISED PER CITY COMMENTS	LDO	JT	LDO
0	01-11-19	INITIAL ISSUE	LDO	JT	LDO
			DSN	DWN	CHK

DATE DESCRIPTION

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
joe@kve.com | www.kve.com

KAW VALLEY ENGINEERING
KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES IN THE STATE OF MISSOURI. CERTIFICATE OF AUTHORITY # 000842. EXPIRES 12/31/19.

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

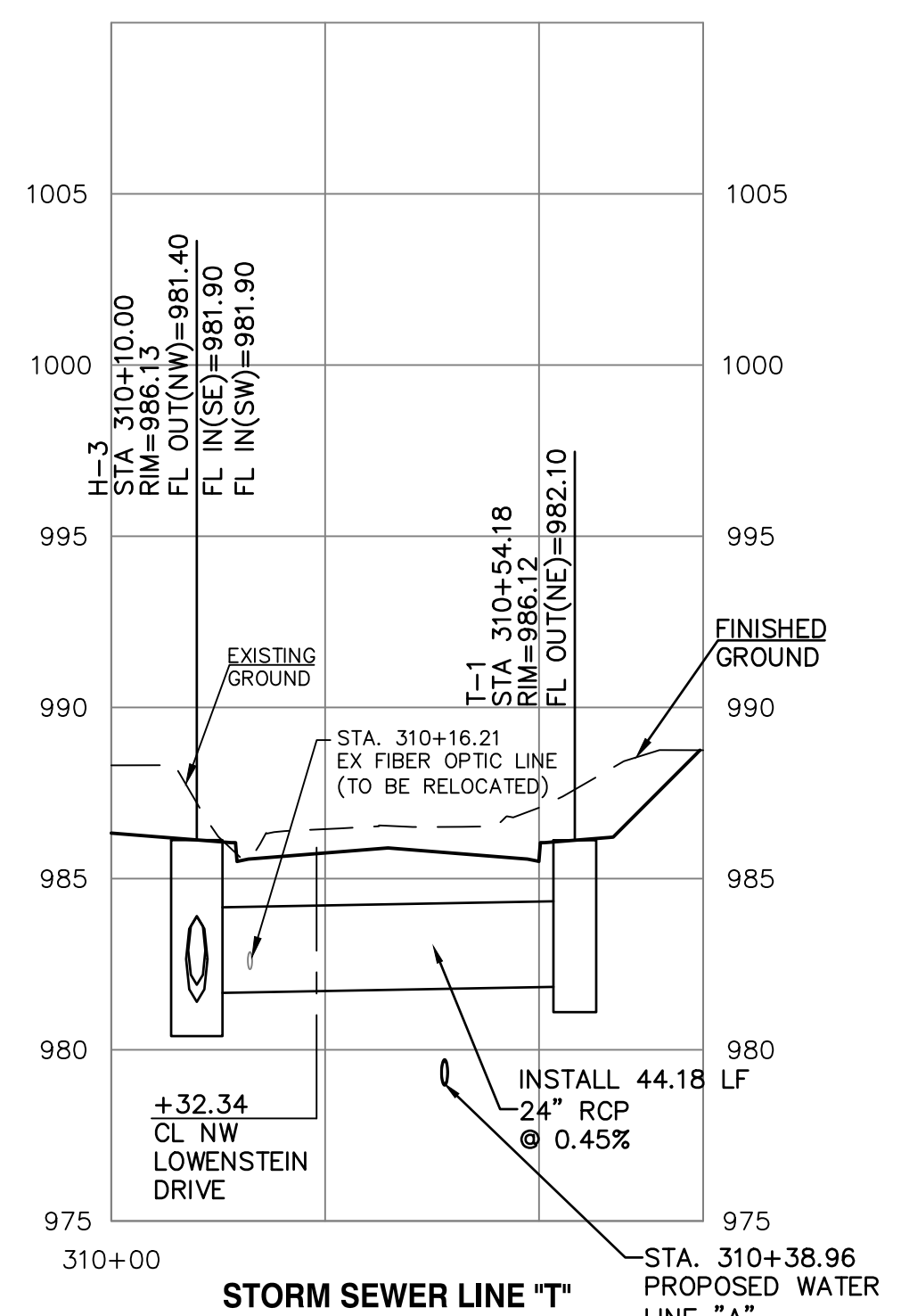
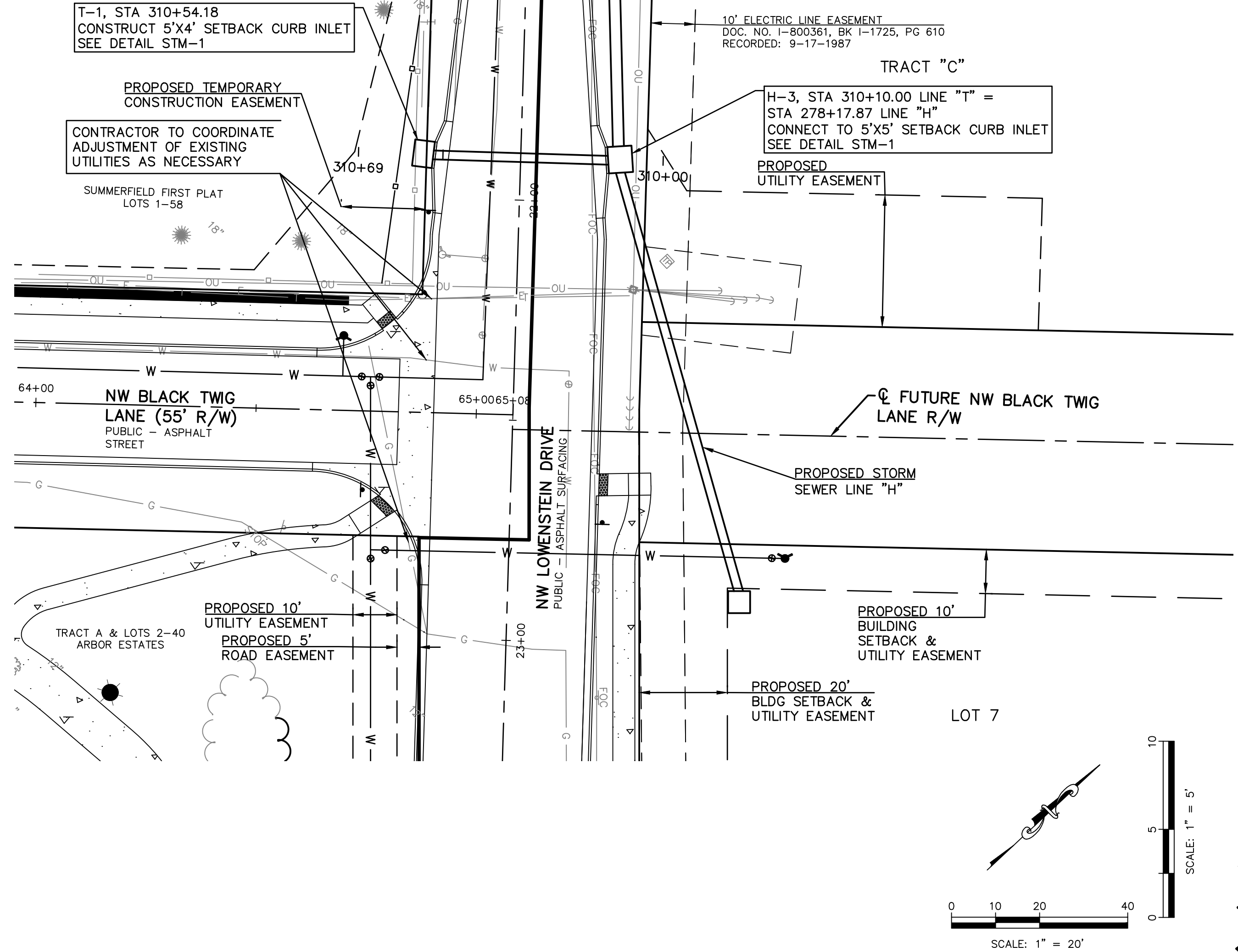
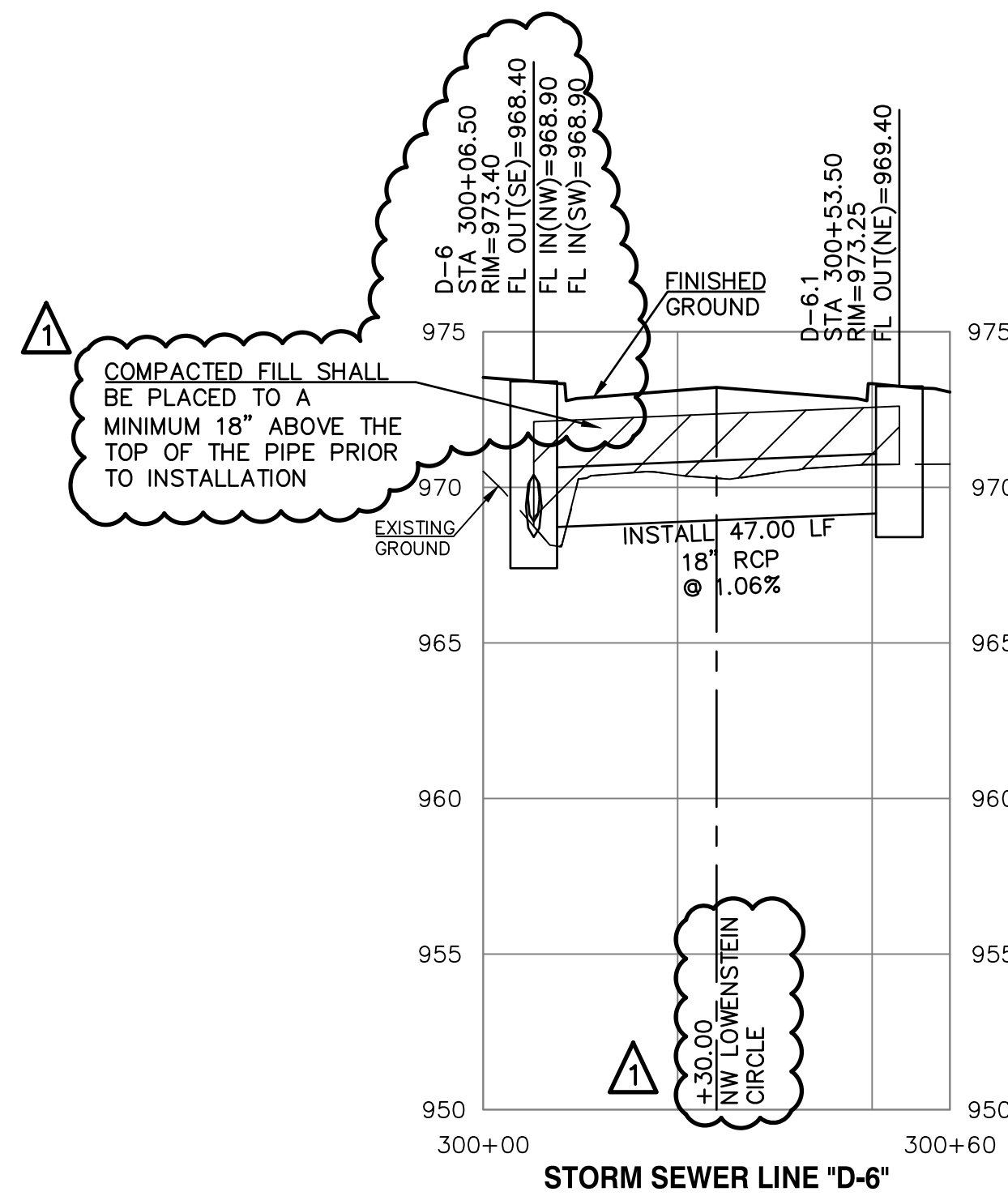
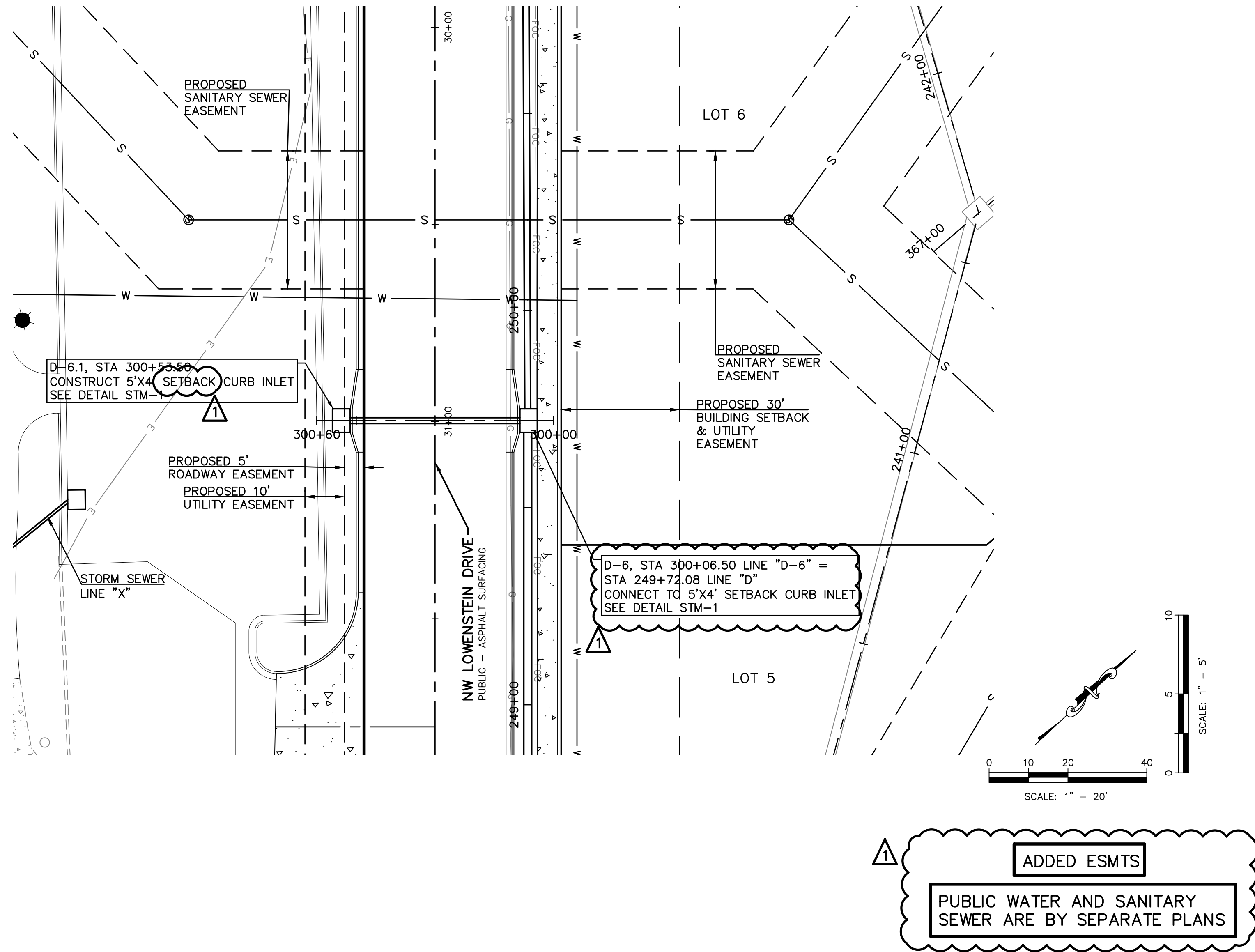
PUBLIC STREET PLANS
STORM SEWER PLAN AND PROFILE - LINE H

PROJ. NO. **A14-7067-1**

DESIGNER **LDO** DRAWN BY **JT/BKR**

CFN **7067-1PI_DPP**

SHEET **18** REV **1**



PROJ. NO.	A14-7067-1
DESIGNER	LDO
DRAWN BY	JT/BKR
CFN	7067-1PI_DPP
SHEET	19
REV	1

REV	DATE	DESCRIPTION
1	5-18-19	REVISED PER CITY COMMENTS
0	01-11-19	INITIAL ISSUE

LDO	JT	LDO	CHK
LDO	JT	DSN	DWN

LEON D. OSBOURN
ENGINEER
MO # 021726

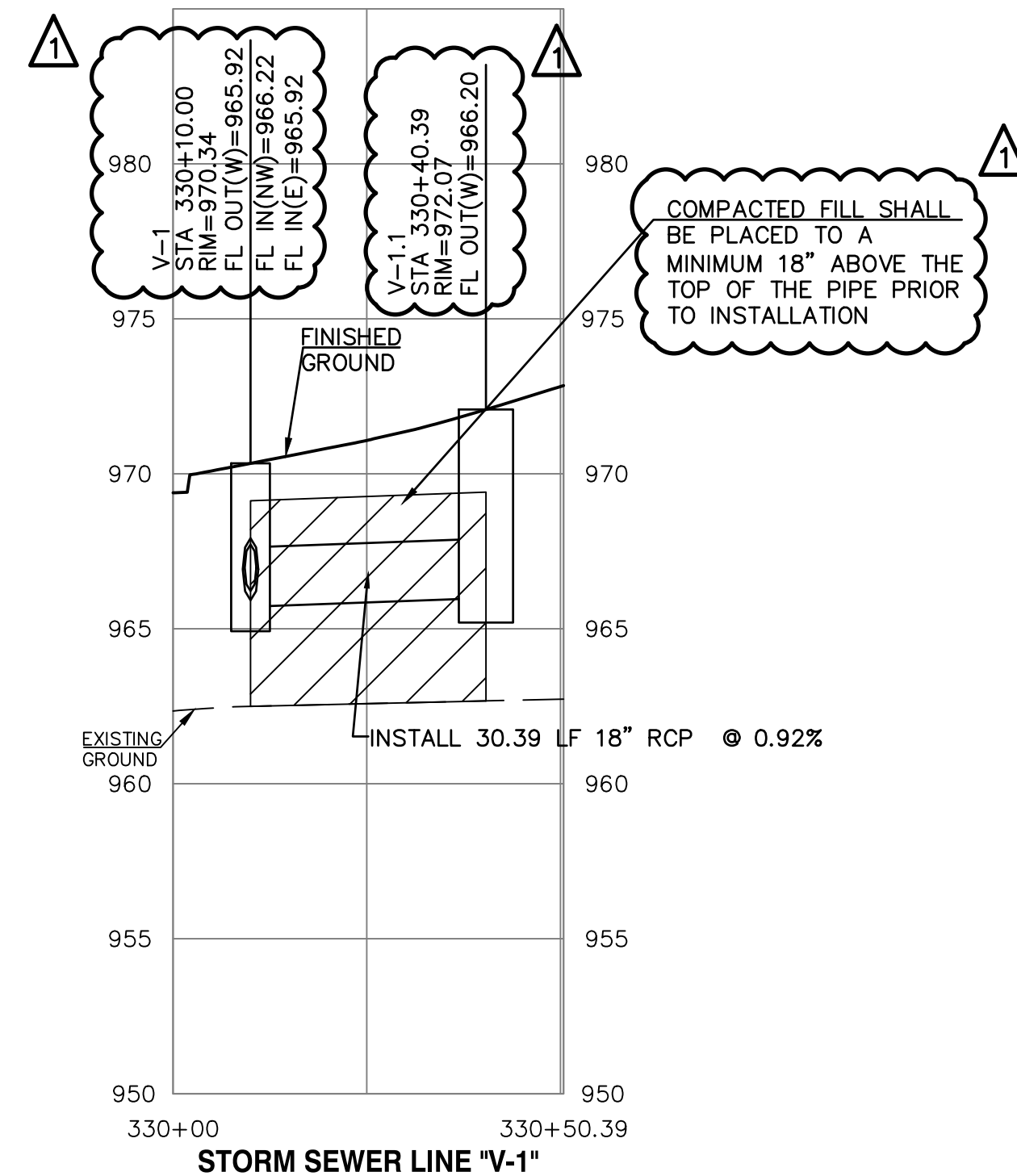
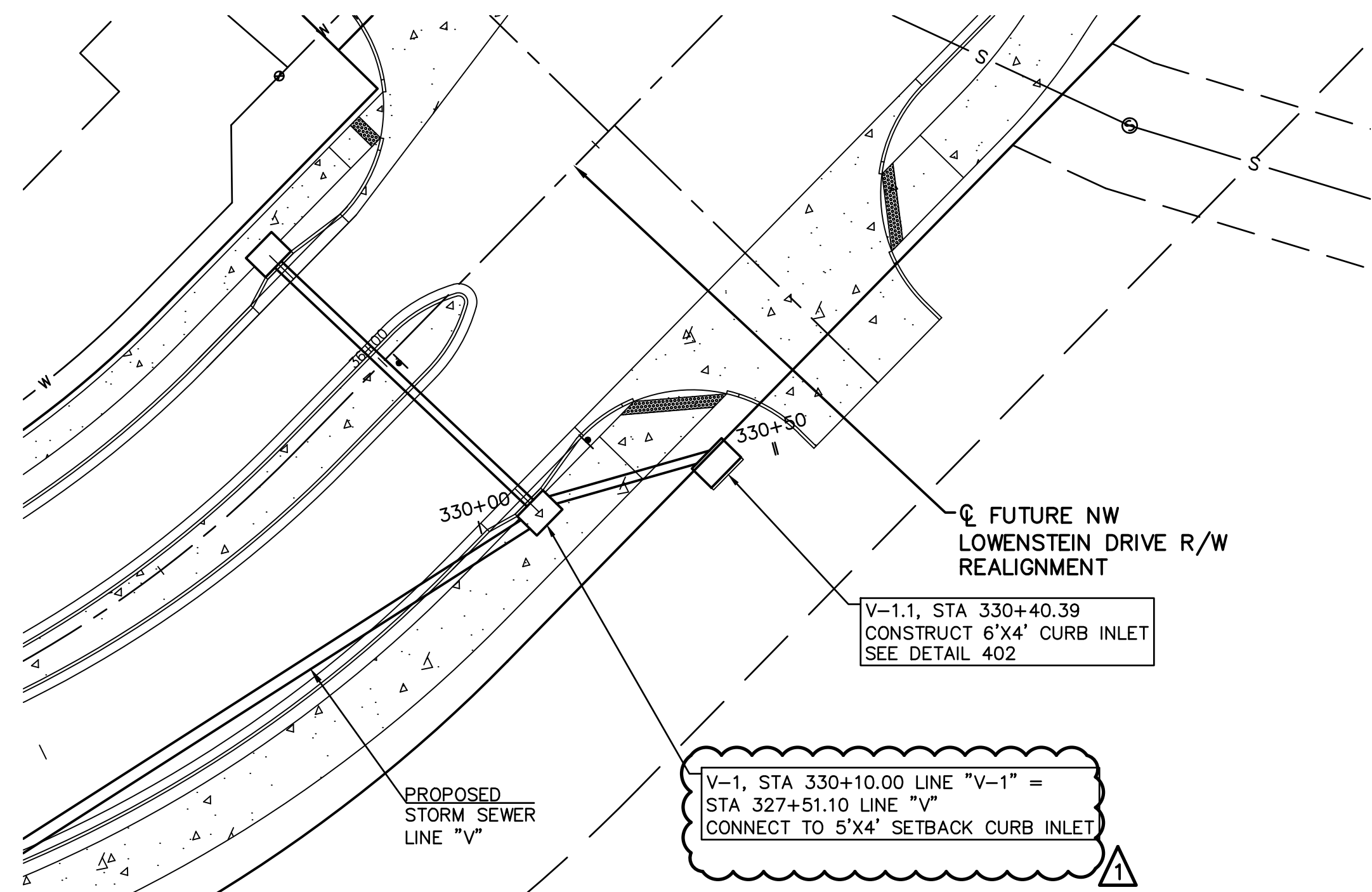
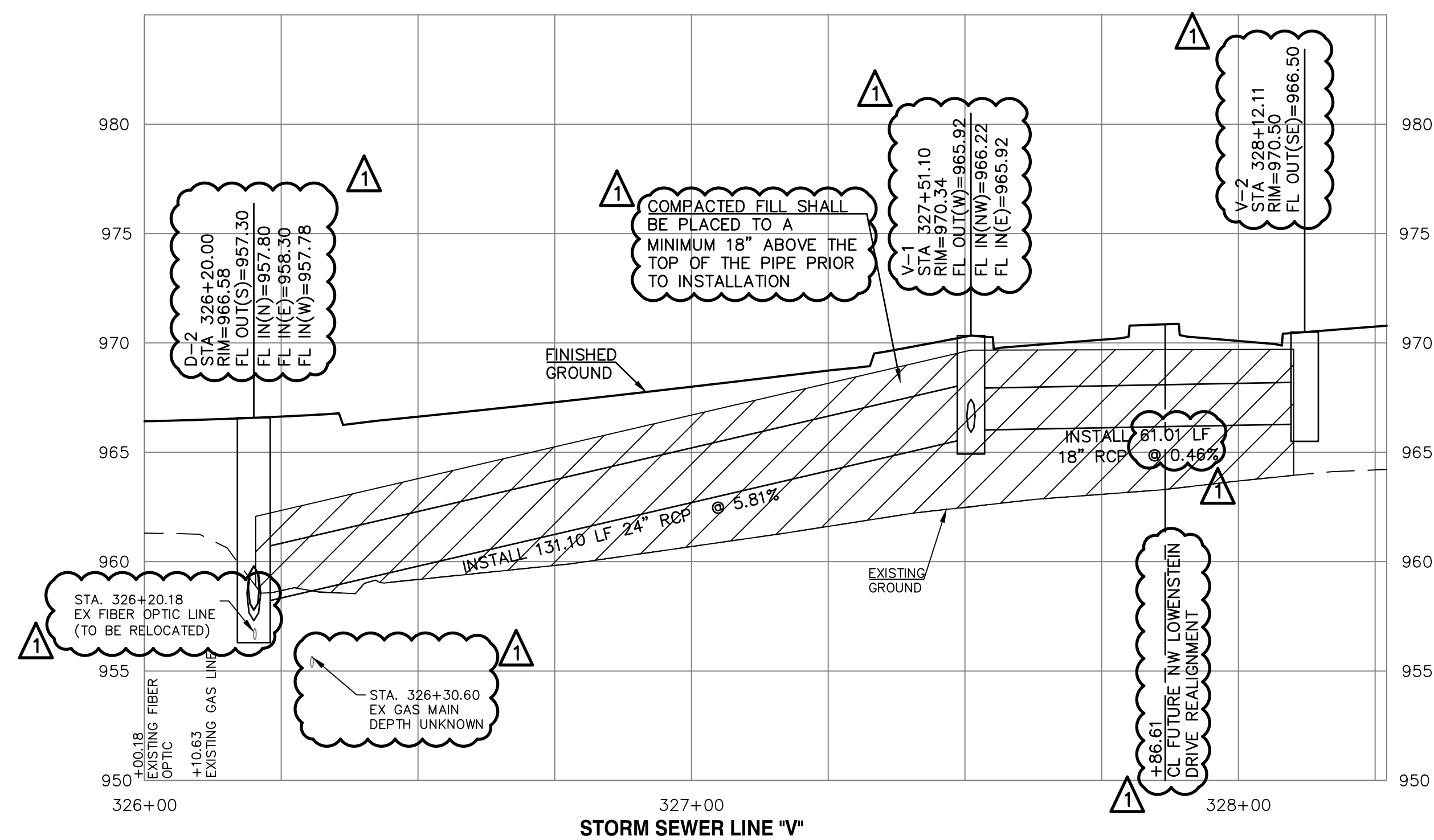
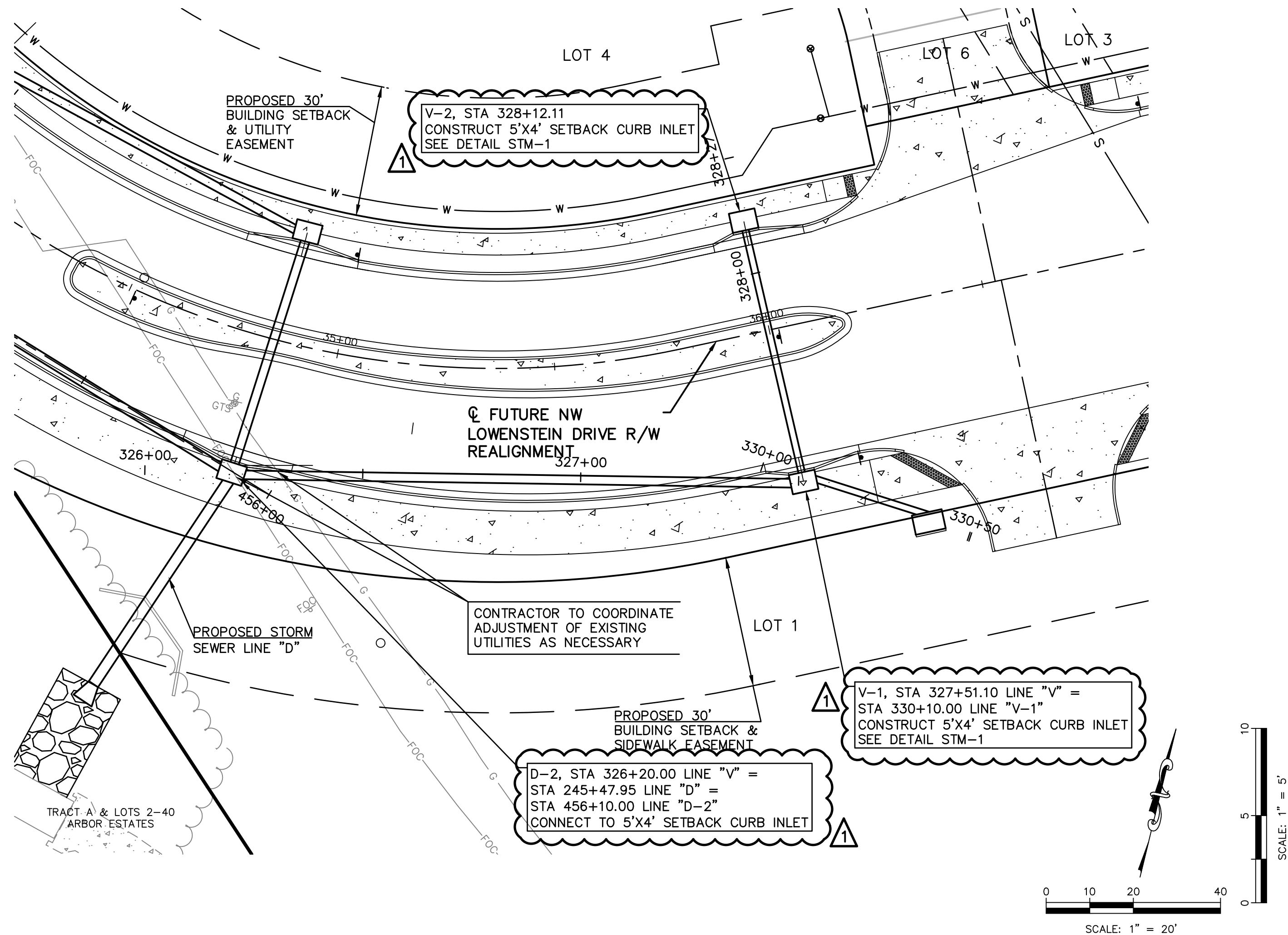
2319 N. JACKSON | P.O. BOX 1304
JUNCTION CITY, KANSAS 66441
PH. (785) 762-5040 | FAX. (785) 762-7744
joe@kve.com | www.kve.com

KAW VALLEY ENGINEERING

KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES IN THE STATE OF MISSOURI. CERTIFICATE OF AUTHORITY # 000842. EXPIRES 12/31/19.

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

PUBLIC STREET PLANS
STORM SEWER PLAN AND PROFILE - LINE D-6 AND T



ADDED ESMTS

PUBLIC WATER AND SANITARY
SEWER ARE BY SEPARATE PLANS

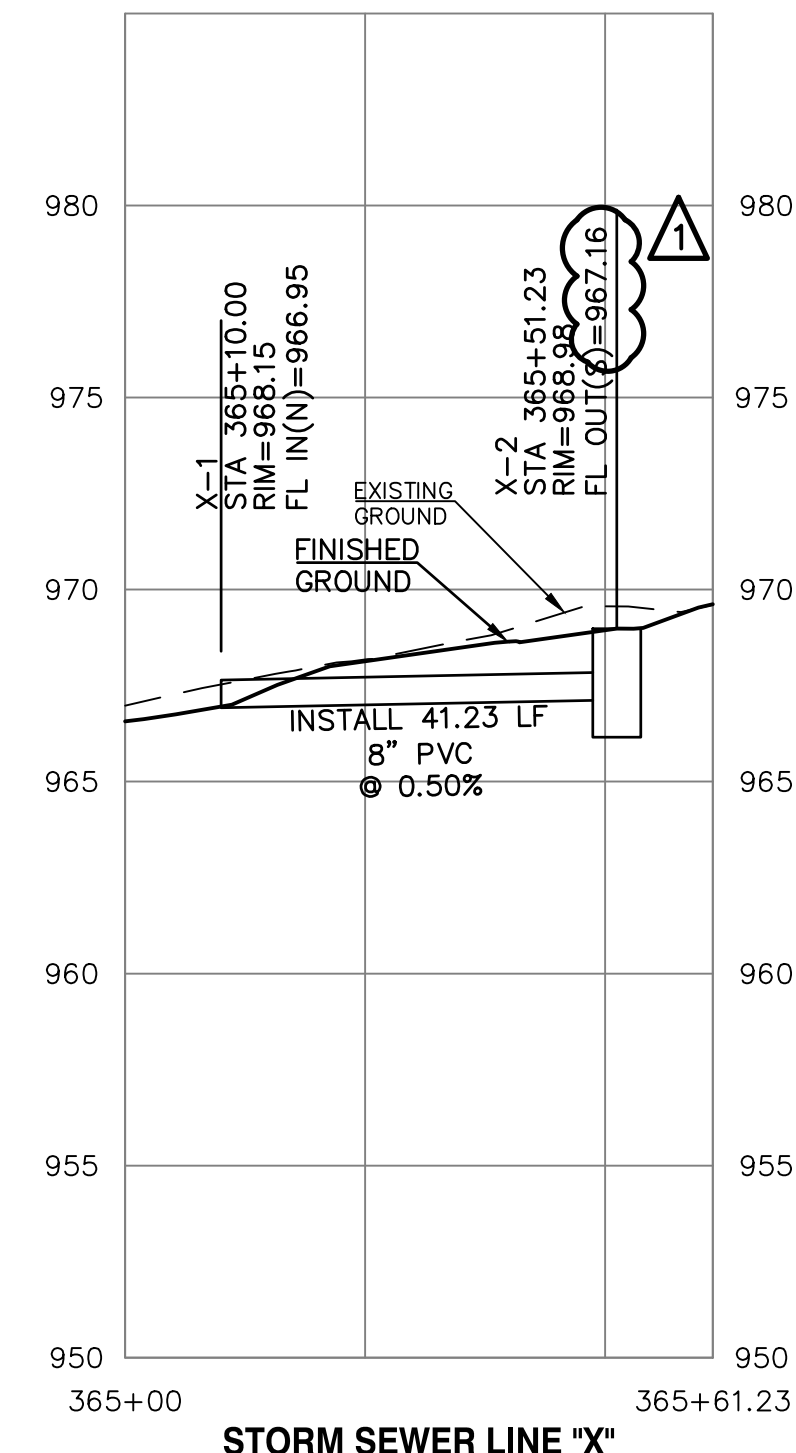
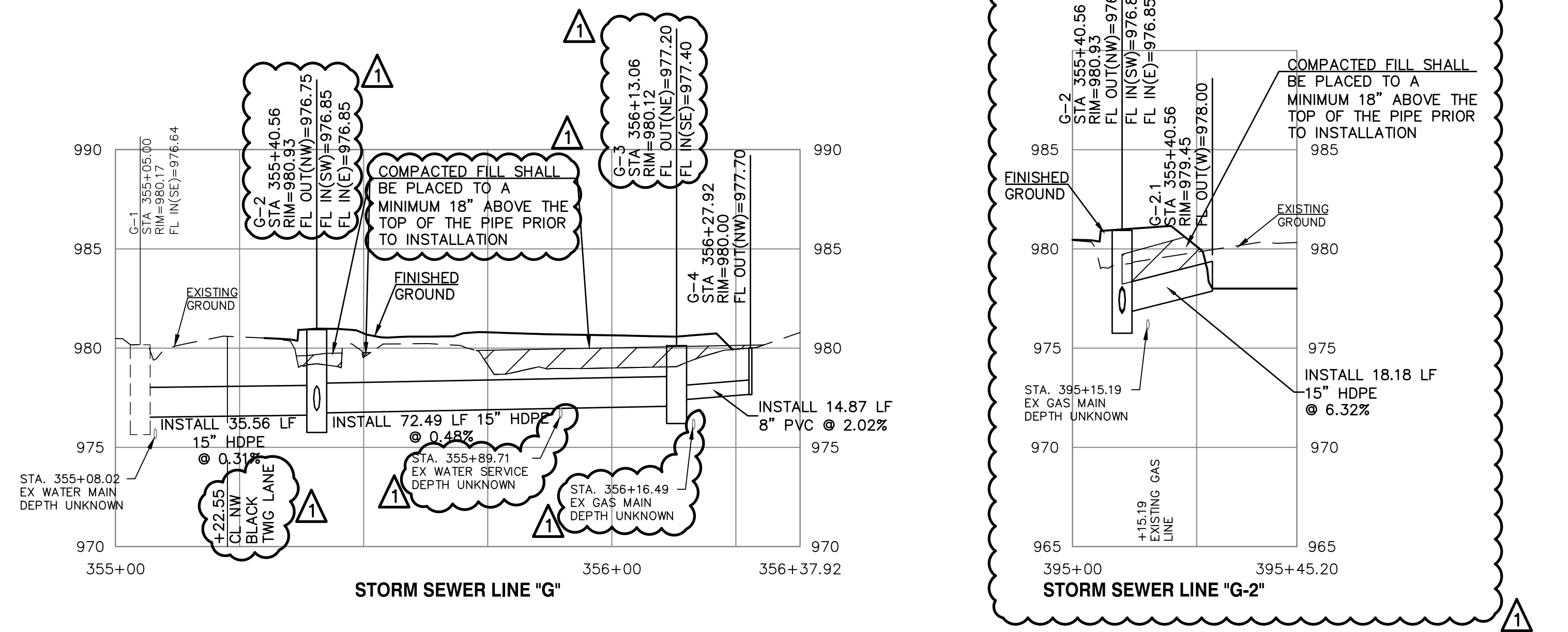
REV	DATE	DESCRIPTION	DSN	DWN	CHK
1	5-18-19	REVISED PER CITY COMMENTS	LDO	JT	LDO
0	01-11-19	INITIAL ISSUE	LDO	JT	LDO

STATE OF MISSOURI	
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 joe@kveeng.com www.kveeng.com	KAW VALLEY ENGINEERING
KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES IN THE STATE OF MISSOURI UNDER CERTIFICATE OF AUTHORITY # 000842. EXPIRES 12/31/19	

STREETS OF WEST PRYOR	
NWQ NW PRYOR RD & NW LOWENSTEIN DR	
LEE'S SUMMIT, MISSOURI	
PUBLIC STREET PLANS	
STORM SEWER PLAN AND PROFILE - LINE V AND V-1	

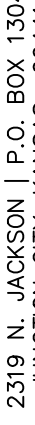
PROJ. NO.	A14-7067-1
DESIGNER	LDO
DRAWN BY	JT/BKR
CFN	
7067-1PI_DPP	
SHEET	REV
20	1

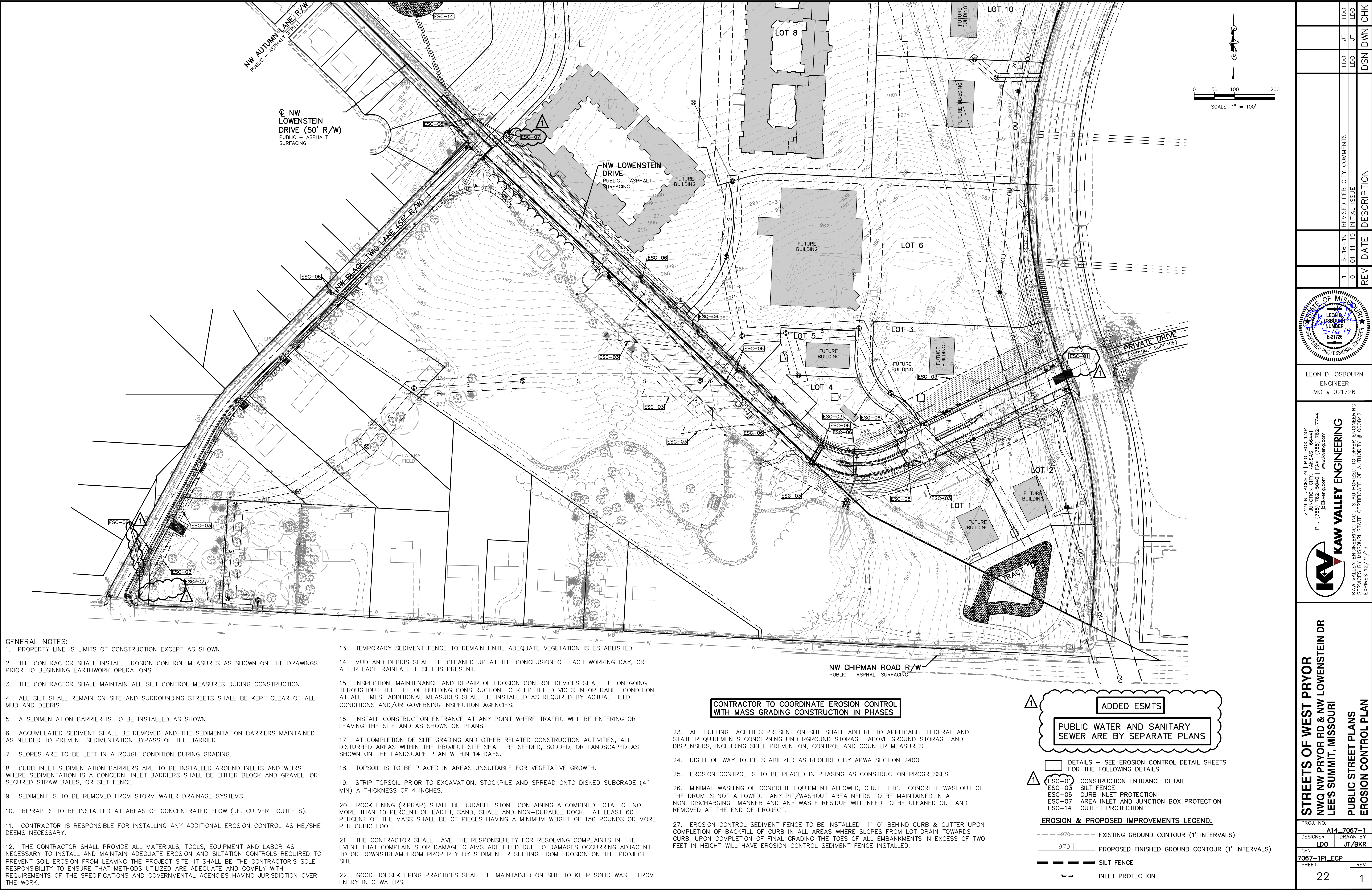


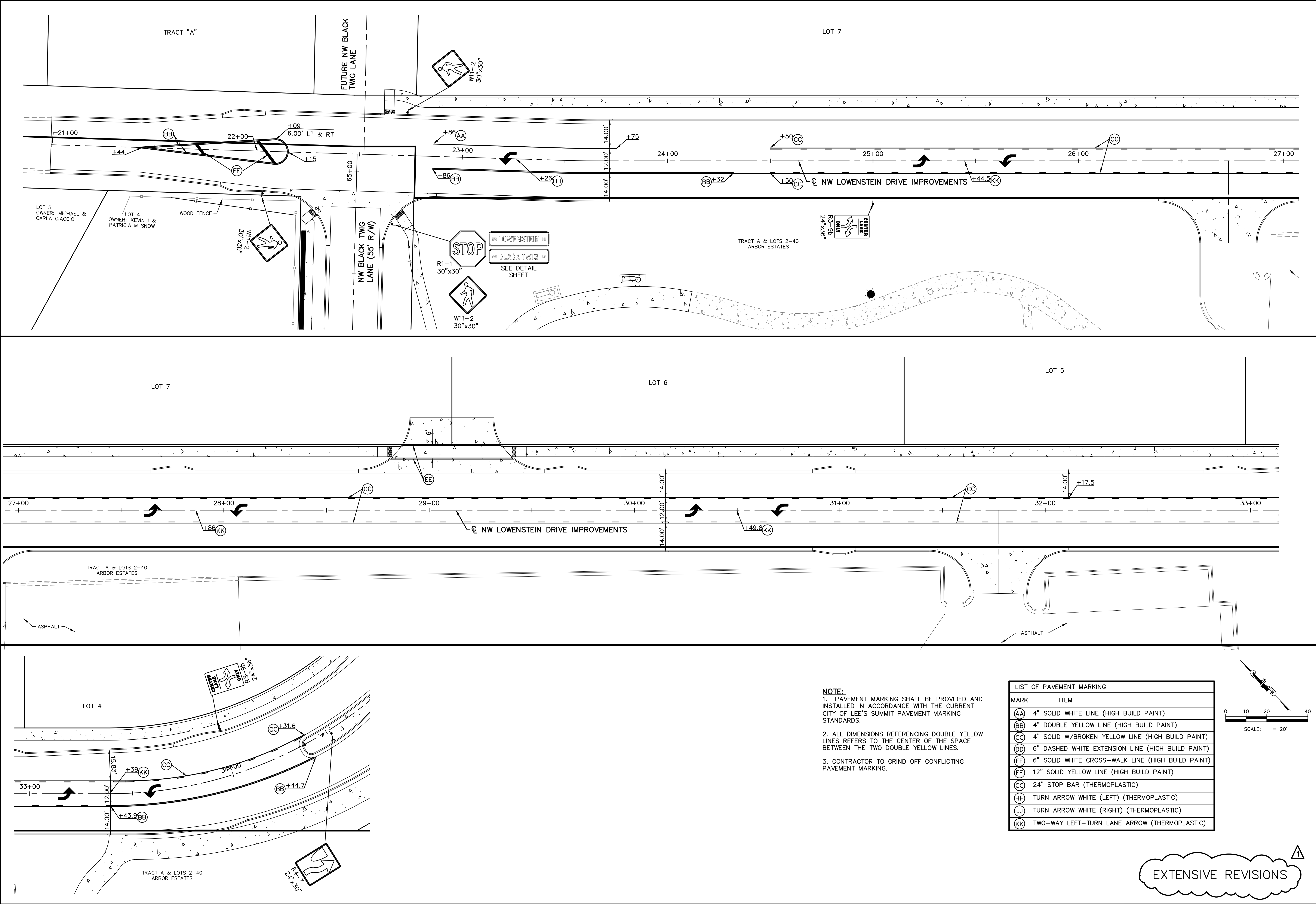
1

ADDED ESMTS

PUBLIC WATER AND SANITARY
SEWER ARE BY SEPARATE PLANS

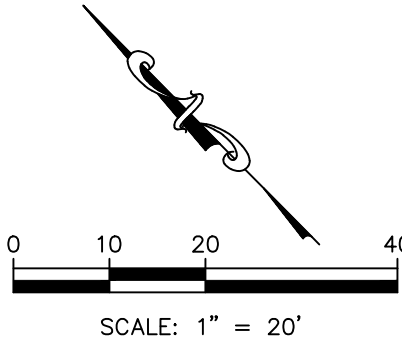
STREETS OF WEST PRYOR NWQ NW PRYOR RD & NW LOWENSTEIN DR LEE'S SUMMIT, MISSOURI		PUBLIC STREET PLANS STORM SEWER PLAN AND PROFILE - LINE G AND X		 KAW VALLEY ENGINEERING KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING MISSOURI STATE CERTIFICATE OF AUTHORITY # 000642. EXPIRES 12/31/19	2318 N. JACKSON P.O. BOX 1304 JEFFERSON, MO 64501 PH. (785) 762-5040 FAX (785) 762-7744 jc@kveg.com www.kveg.com		LEON D. OSBOURN ENGINEER MO # 021726				REV DATE DESCRIPTION 1 5-16-19 REVISED PER CITY COMMENTS 0 01-11-19 INITIAL ISSUE		LDO	JLT	LDO	JLT	DSN	CHK
					7067-1PI_DPP		21	REV	1									





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.

LIST OF PAVEMENT MARKING	
MARK	ITEM
(AA)	4" SOLID WHITE LINE (HIGH BUILD PAINT)
(BB)	4" DOUBLE YELLOW LINE (HIGH BUILD PAINT)
(CC)	4" SOLID W/BROKEN YELLOW LINE (HIGH BUILD PAINT)
(DD)	6" DASHED WHITE EXTENSION LINE (HIGH BUILD PAINT)
(EE)	6" SOLID WHITE CROSS-WALK LINE (HIGH BUILD PAINT)
(FF)	12" SOLID YELLOW LINE (HIGH BUILD PAINT)
(GG)	24" STOP BAR (THERMOPLASTIC)
(HH)	TURN ARROW WHITE (LEFT) (THERMOPLASTIC)
(JJ)	TURN ARROW WHITE (RIGHT) (THERMOPLASTIC)
(KK)	TWO-WAY LEFT-TURN LANE ARROW (THERMOPLASTIC)



EXTENSIVE REVISIONS

PROJ. NO. A14-7067-1	
DESIGNER LDO	DRAWN BY JT/BKR
CFN 7067-1PI_PMP	REV
SHEET 23	1

STATE OF MISSOURI
LEON D. OSBOURN
ENGINEER
NUMBER
E-21726

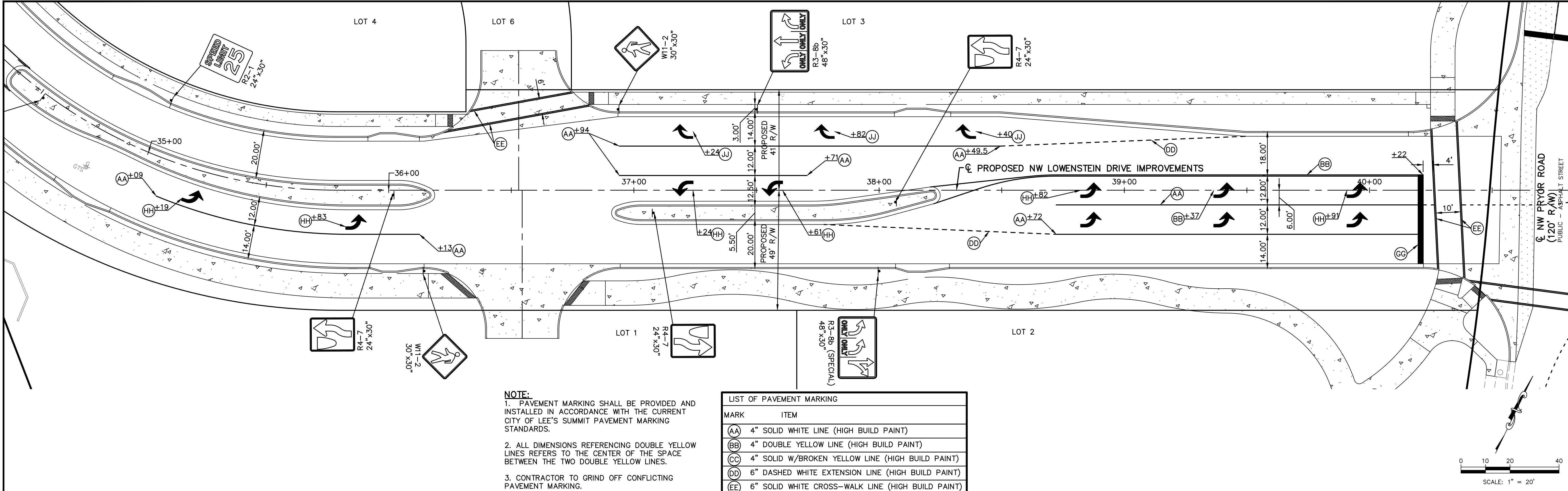
LEON D. OSBOURN
ENGINEER
MO # 021726

2319 N. JACKSON | P.O. BOX 304
JUNCTION CITY, KANSAS 66441
PH. (785) 762-5040 | FAX (785) 762-7744
joe@kve.com | www.kve.com
KAW VALLEY ENGINEERING
KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING
SERVICES IN THE STATE OF MISSOURI UNDER CERTIFICATE OF AUTHORITY # 000842.
EXPIRES 12/31/19

STREETS OF WEST PRYOR
NWQ NW PRYOR RD & NW LOWENSTEIN DR
LEE'S SUMMIT, MISSOURI
PUBLIC STREET PLANS
PAVEMENT MARKING & SIGNING PLANS

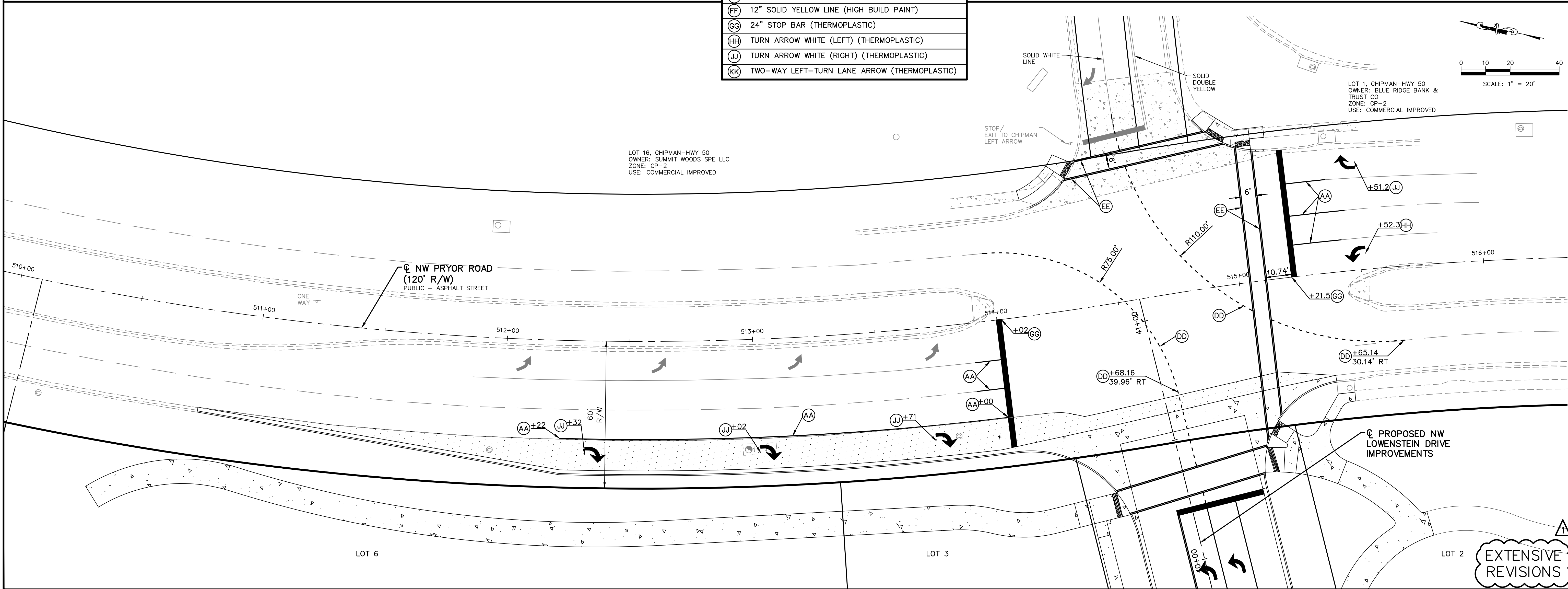
REV	DATE	DESCRIPTION
1	5-18-19	REVISED PER CITY COMMENTS
0	01-11-19	INITIAL ISSUE

LDO	JT	LDO
DSN	DWN	CHK

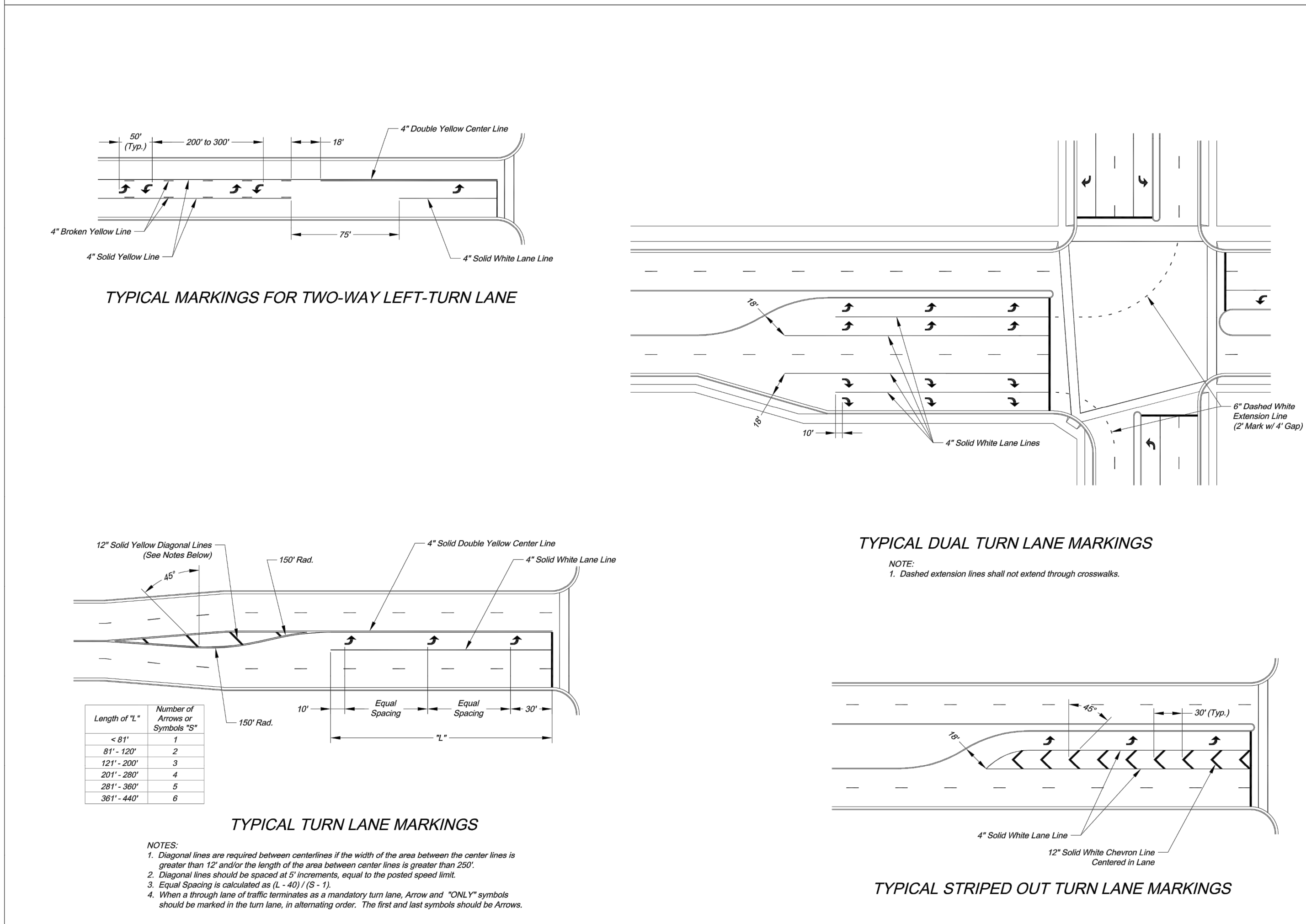
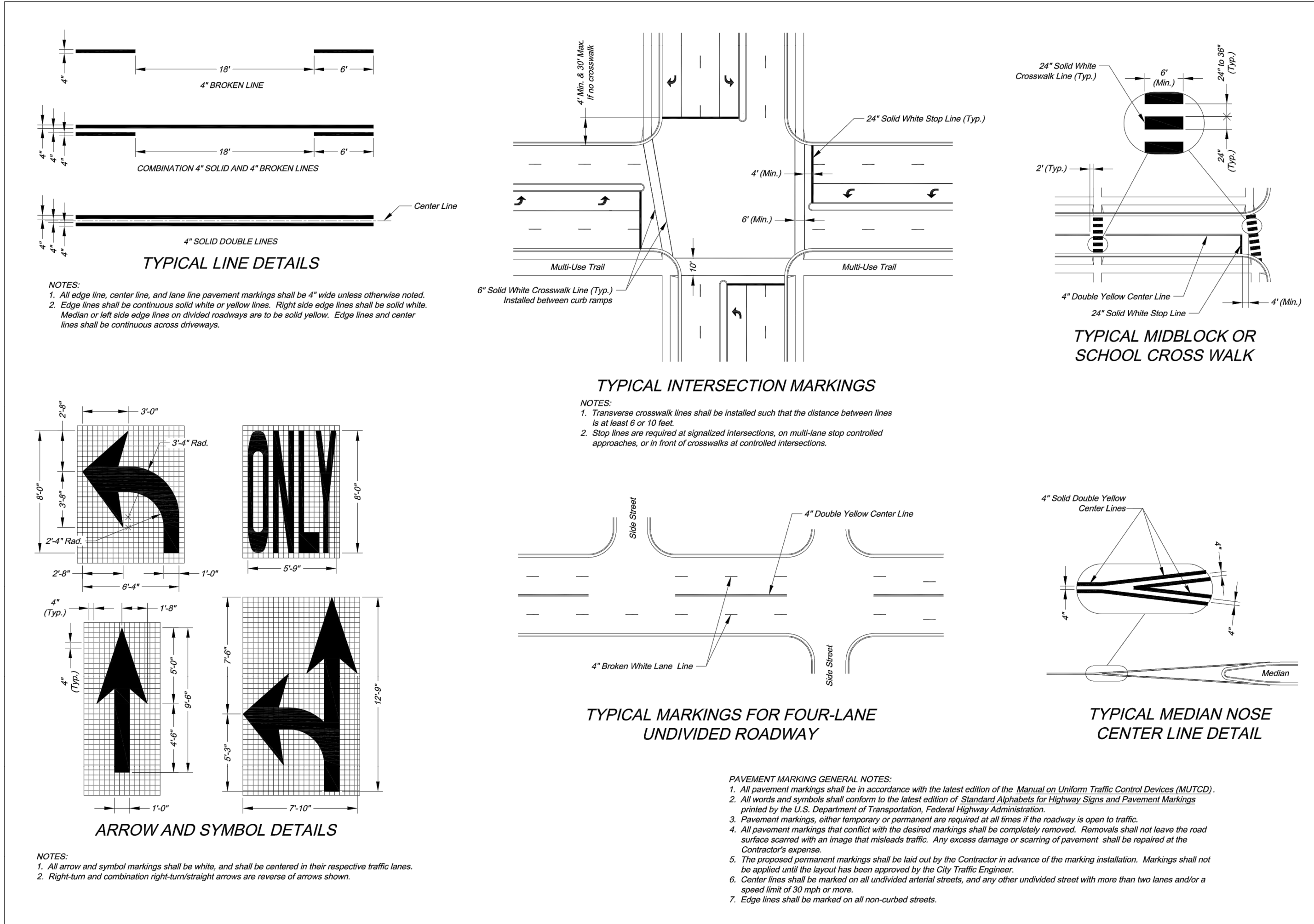


NOTE:
1. PAVEMENT MARKING SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH THE CURRENT CITY OF LEE'S SUMMIT PAVEMENT MARKING STANDARDS.
2. ALL DIMENSIONS REFERENCING DOUBLE YELLOW LINES REFERS TO THE CENTER OF THE SPACE BETWEEN THE TWO DOUBLE YELLOW LINES.
3. CONTRACTOR TO GRIND OFF CONFLICTING PAVEMENT MARKING.

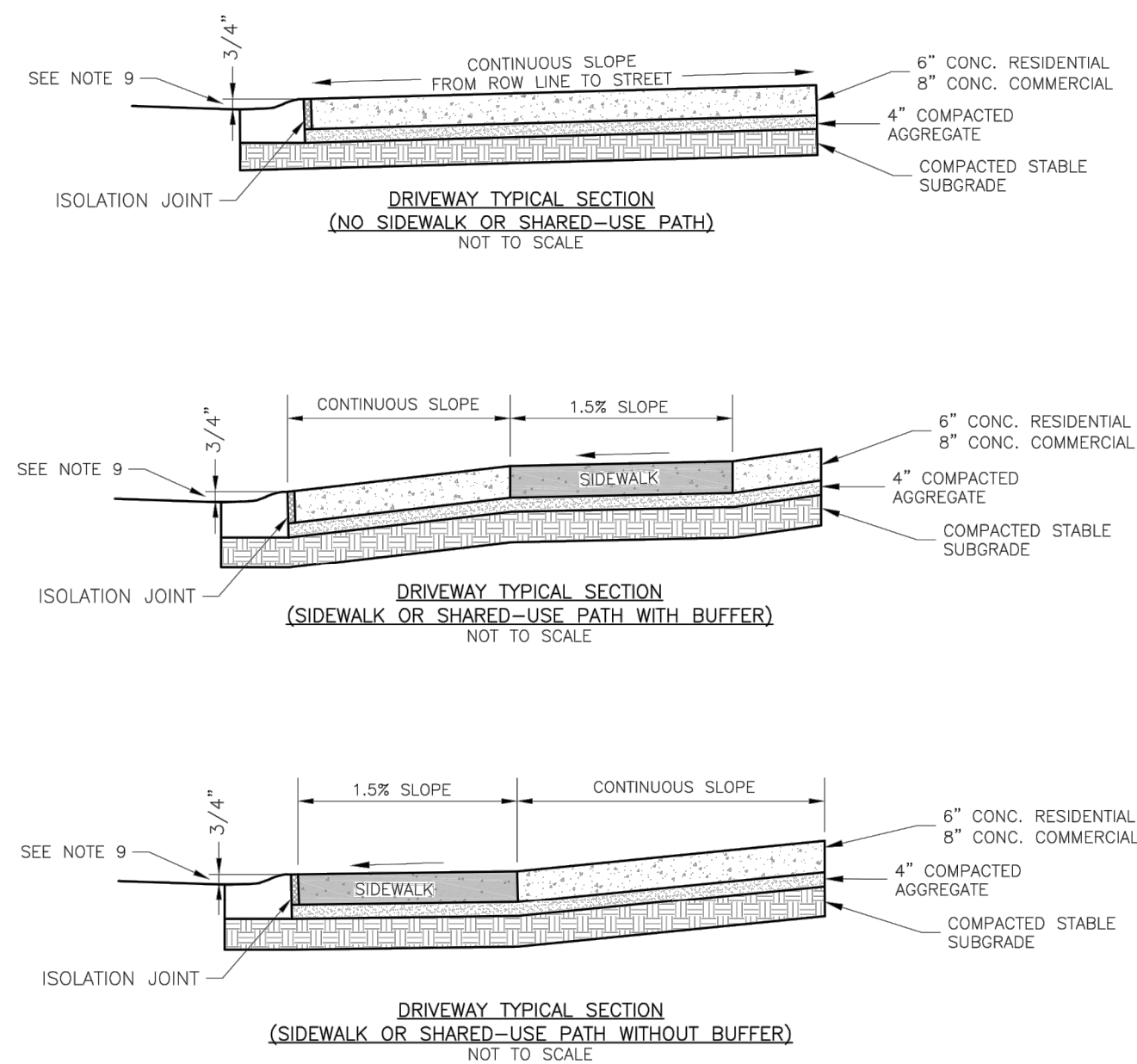
LIST OF PAVEMENT MARKING	
MARK	ITEM
(AA)	4" SOLID WHITE LINE (HIGH BUILD PAINT)
(BB)	4" DOUBLE YELLOW LINE (HIGH BUILD PAINT)
(CC)	4" SOLID W/BROKEN YELLOW LINE (HIGH BUILD PAINT)
(DD)	6" DASHED WHITE EXTENSION LINE (HIGH BUILD PAINT)
(EE)	6" SOLID WHITE CROSS-WALK LINE (HIGH BUILD PAINT)
(FF)	12" SOLID YELLOW LINE (HIGH BUILD PAINT)
(GG)	24" STOP BAR (THERMOPLASTIC)
(HH)	TURN ARROW WHITE (LEFT) (THERMOPLASTIC)
(JJ)	TURN ARROW WHITE (RIGHT) (THERMOPLASTIC)
(KK)	TWO-WAY LEFT-TURN LANE ARROW (THERMOPLASTIC)



PROJ. NO. A14-7067-1		DESIGNER LDO		DRAWN BY JT/BKR	
CFN 7067-1PI_PMP		SHEET 24		REV 1	
STREETS OF WEST PRYOR NWQ NW PRYOR RD & NW LOWENSTEIN DR LEE'S SUMMIT, MISSOURI		PUBLIC STREET PLANS PAVEMENT MARKING & SIGNING PLANS		REV DATE DESCRIPTION	
KAW VALLEY ENGINEERING 2319 N. JACKSON P.O. BOX 1304 JUNCTION CITY, KANSAS 66441 PH. (785) 762-5040 FAX (785) 762-7744 joe@kveg.com www.kveg.com		LEON D. OSBOURN ENGINEER MO # 021726		1 5-18-19 REVISED PER CITY COMMENTS 0 01-11-19 INITIAL ISSUE	
STATE OF MISSOURI LEON D. OSBOURN NUMBER 01619 E-21726 REGISTERED PROFESSIONAL ENGINEER		LDO JT LDO LDO		DSN DWN CHK	

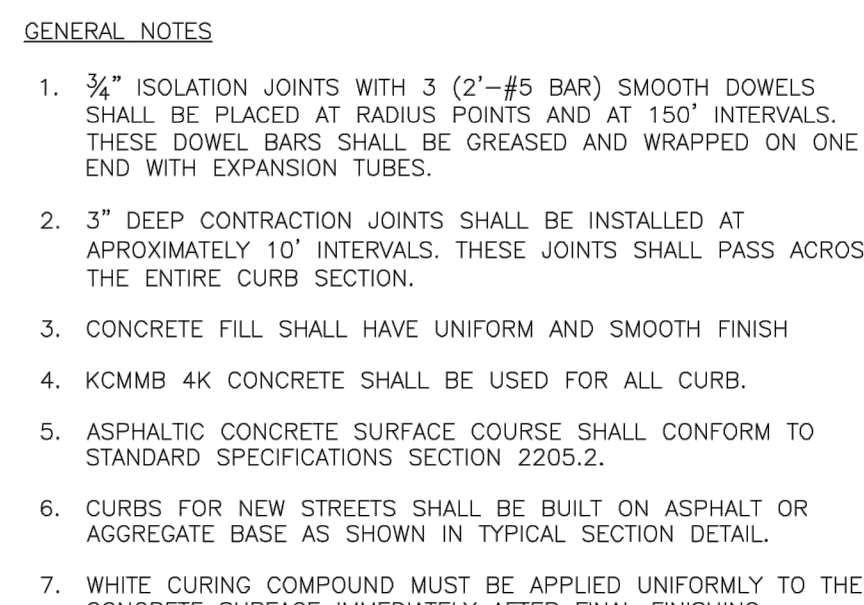
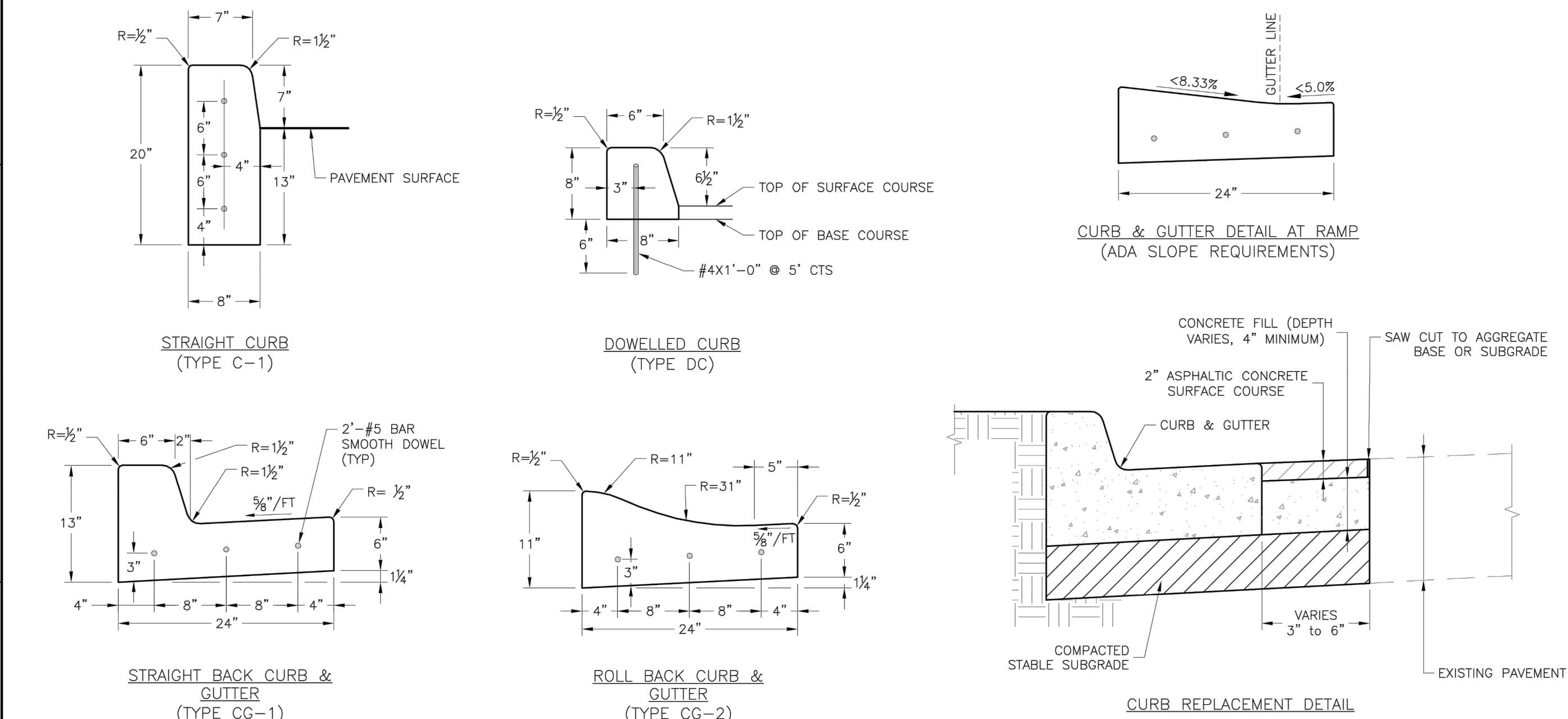
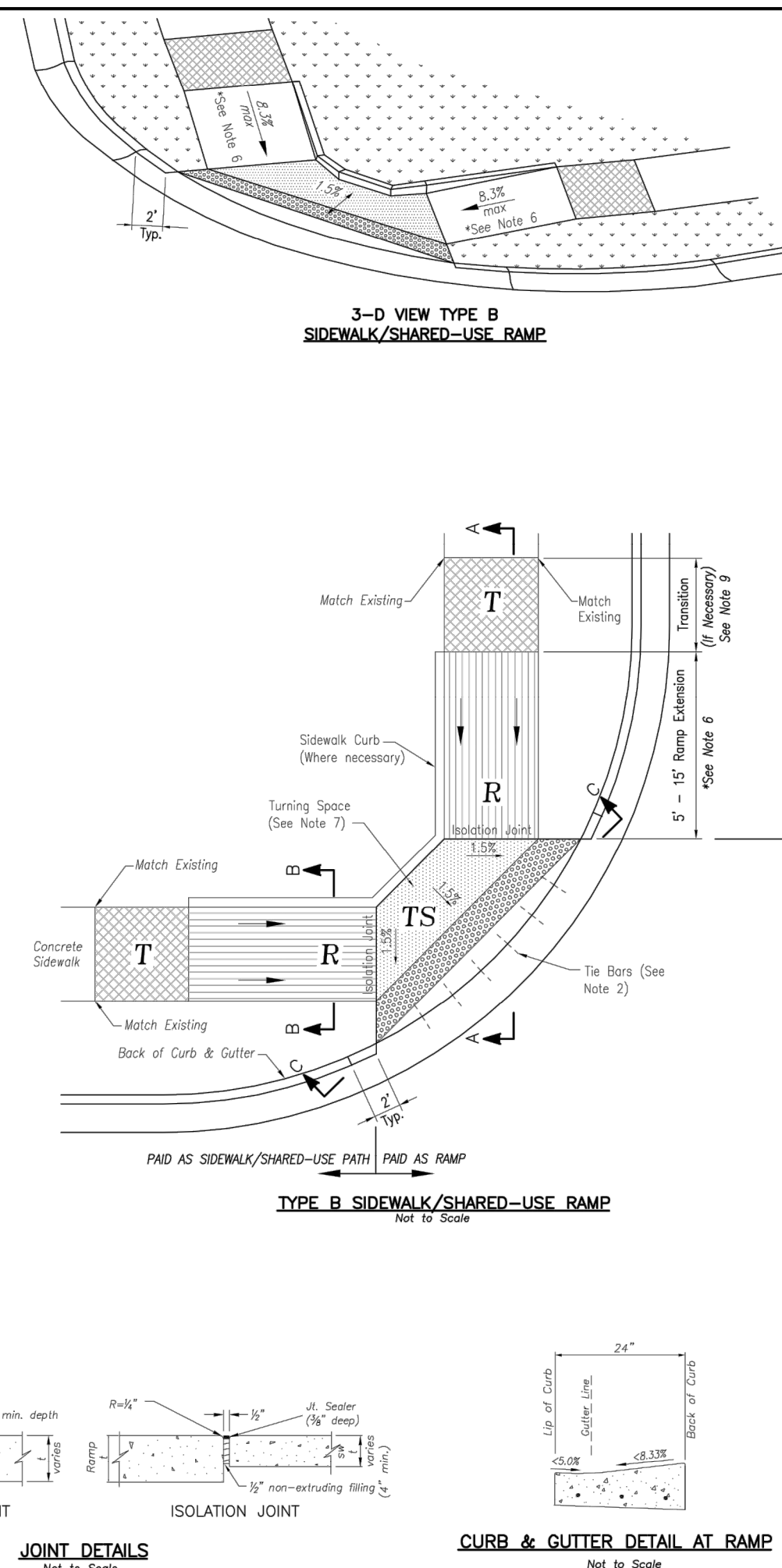
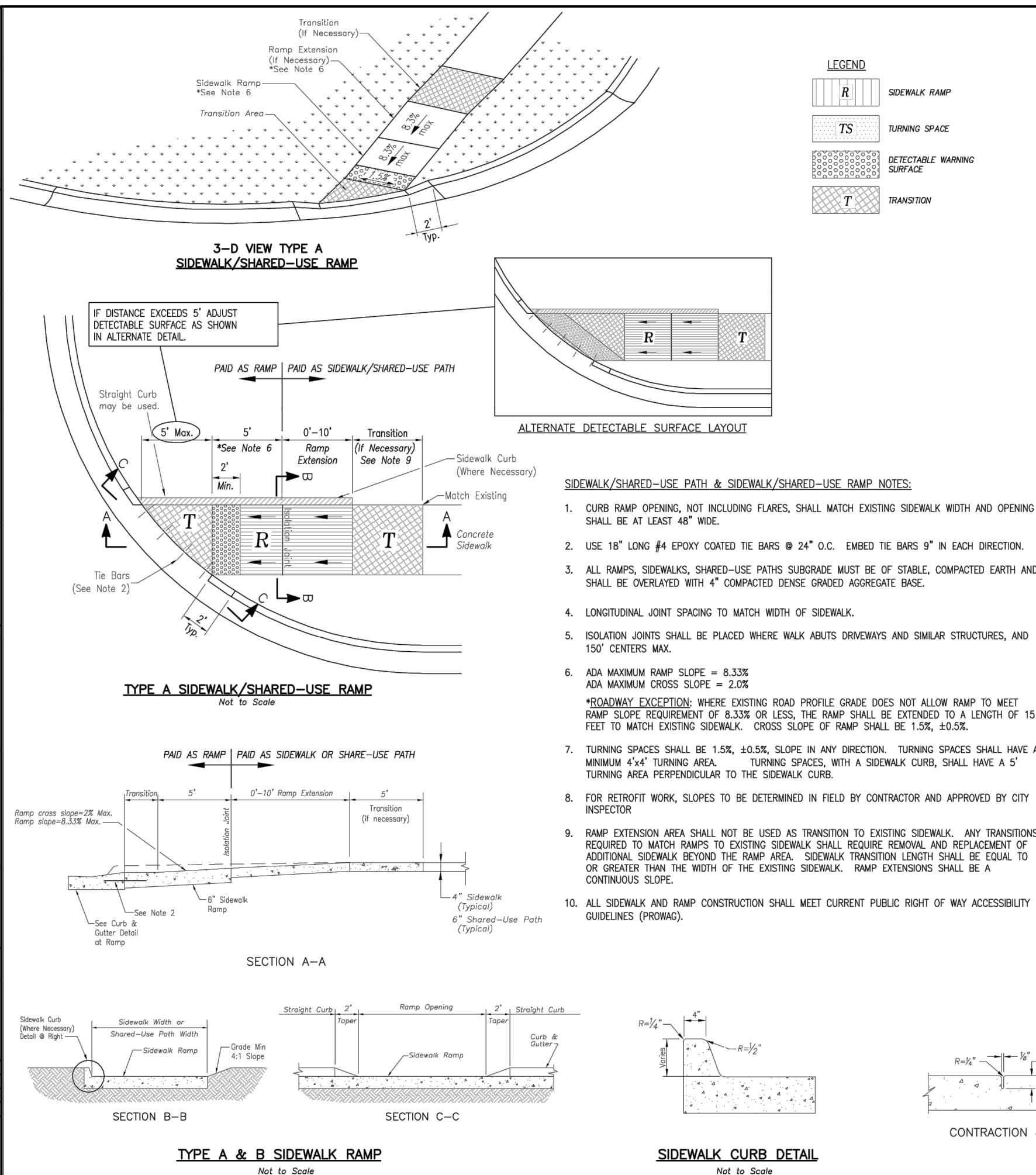
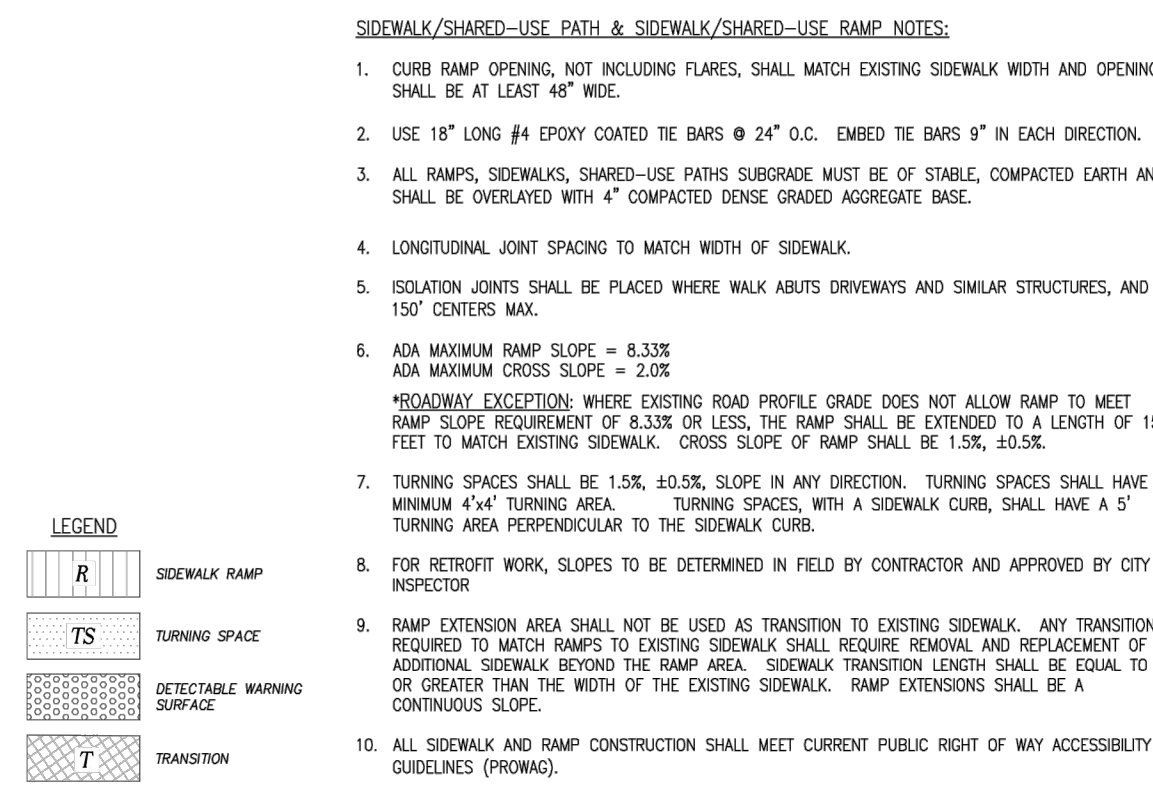
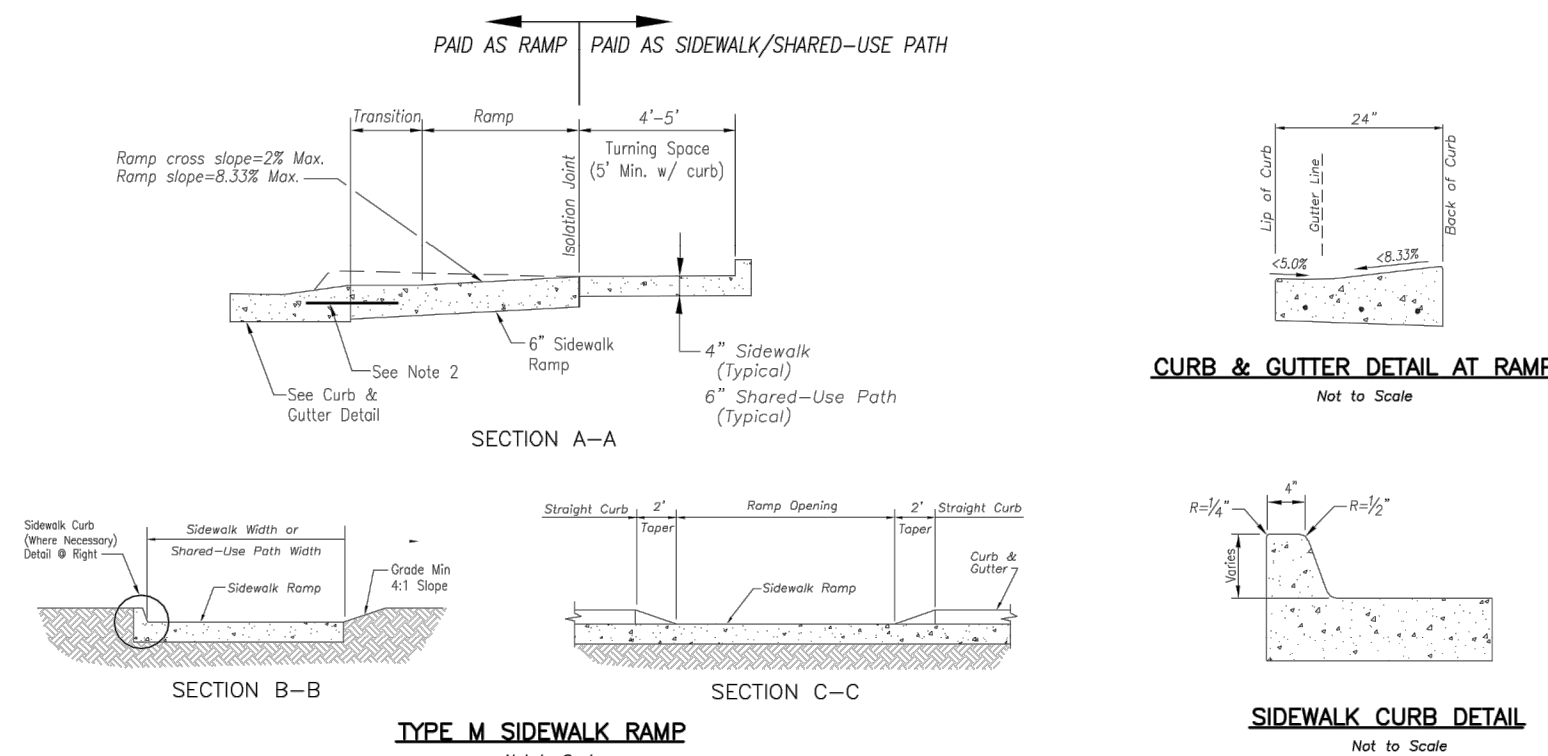
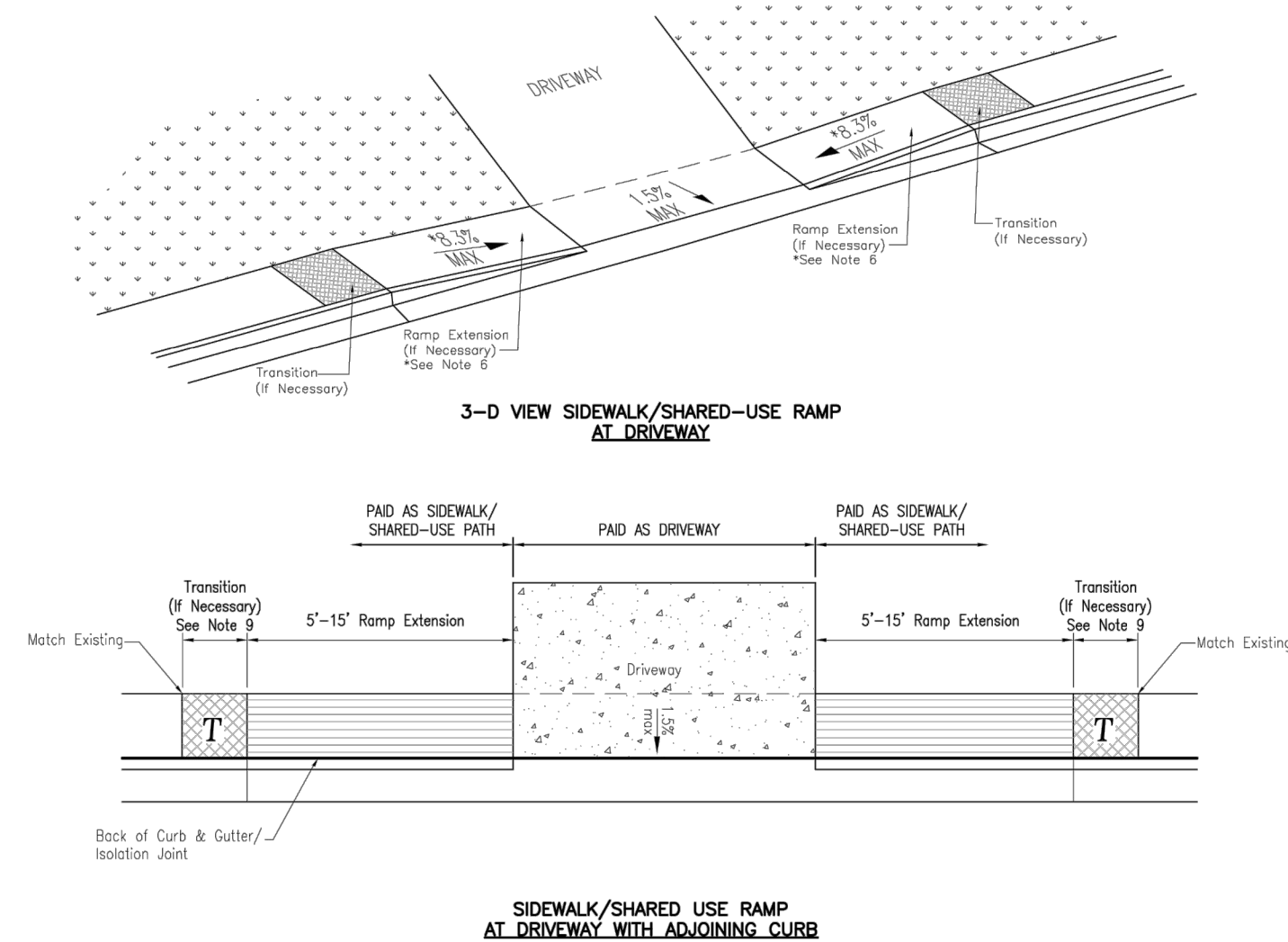
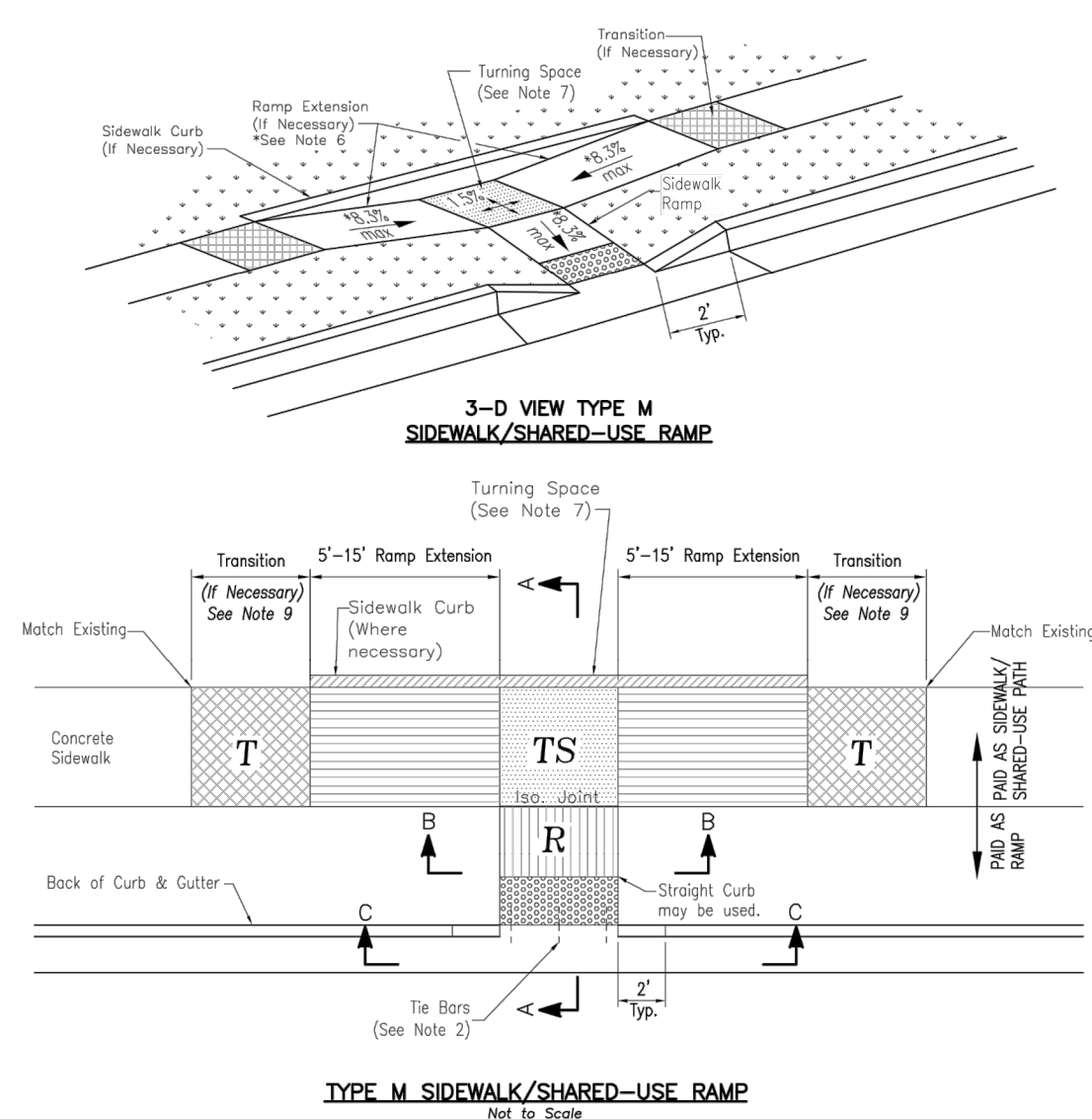


CITY OF LEE'S SUMMIT PUBLIC ENGINEERING DIVISION 220 SE GREEN STREET LEE'S SUMMIT, MISSOURI 64441 PHONE (816) 899-1800 FAX (816) 899-1809		CITY OF LEE'S SUMMIT PUBLIC ENGINEERING DIVISION 220 SE GREEN STREET LEE'S SUMMIT, MISSOURI 64441 PHONE (816) 899-1800 FAX (816) 899-1809	
ROADWAY MARKING DETAILS Sheet Name: STANDARD DRAWING PM-1		INTERSECTION MARKING DETAILS Sheet Name: STANDARD DRAWING PM-2	
Drawn By: AS Checked By: JW Date: 09/09/2009 Project: 1 OF 2 1		Drawn By: AS Checked By: JW Date: 09/09/2009 Project: 2 OF 2 2	
LEON D. OSBOURN ENGINEER MO # 021726		LEON D. OSBOURN ENGINEER MO # 021726	
2310 N. JACKSON P.O. BOX 1304 JUNCTION CITY, KANSAS 66441 PH. (785) 762-5040 FAX (785) 762-7744 joe@kveg.com www.kveg.com		2310 N. JACKSON P.O. BOX 1304 JUNCTION CITY, KANSAS 66441 PH. (785) 762-5040 FAX (785) 762-7744 joe@kveg.com www.kveg.com	
KAW VALLEY ENGINEERING KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES EXPRESS 12/31/19		KAW VALLEY ENGINEERING KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES EXPRESS 12/31/19	
STREETS OF WEST PRYOR NWQ NW PRYOR RD & NW LOWENSTEIN DR LEE'S SUMMIT, MISSOURI		STREETS OF WEST PRYOR NWQ NW PRYOR RD & NW LOWENSTEIN DR LEE'S SUMMIT, MISSOURI	
PUBLIC STREET PLANS PAVEMENT MARKING DETAIL SHEET		PUBLIC STREET PLANS PAVEMENT MARKING DETAIL SHEET	
PROJ. NO. A14-7067-1 DESIGNER LDO DRAWN BY JT/BKR		PROJ. NO. A14-7067-1 DESIGNER LDO DRAWN BY JT/BKR	
CFN 7067-1PI_DET SHEET 25		CFN 7067-1PI_DET SHEET 25	
REV 0		REV 0	
01-11-19 INITIAL ISSUE		01-11-19 INITIAL ISSUE	
REV DATE DESCRIPTION		REV DATE DESCRIPTION	
LDO DSN		LDO DSN	
JT DWN		JT DWN	
LDO CHK		LDO CHK	

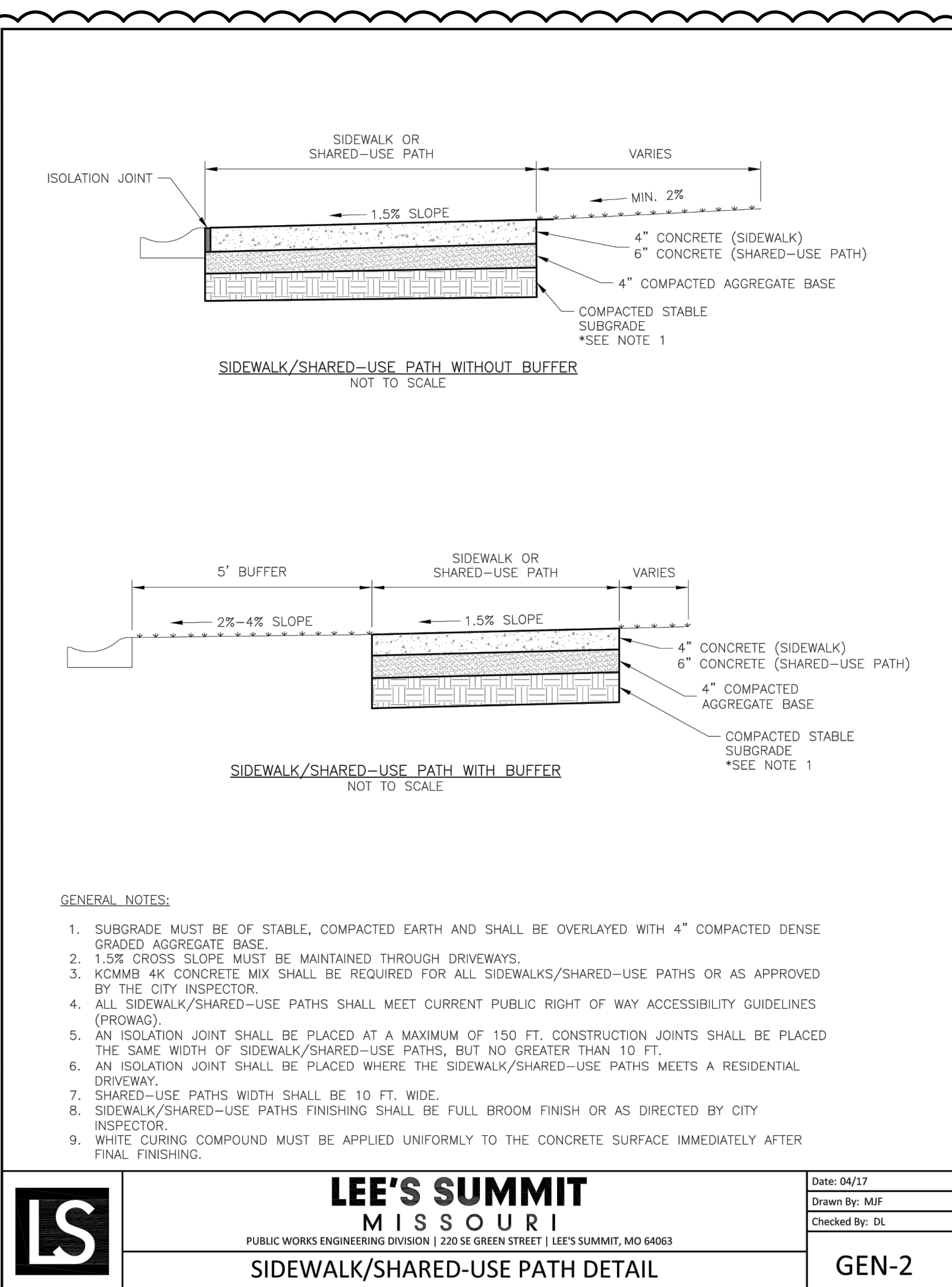
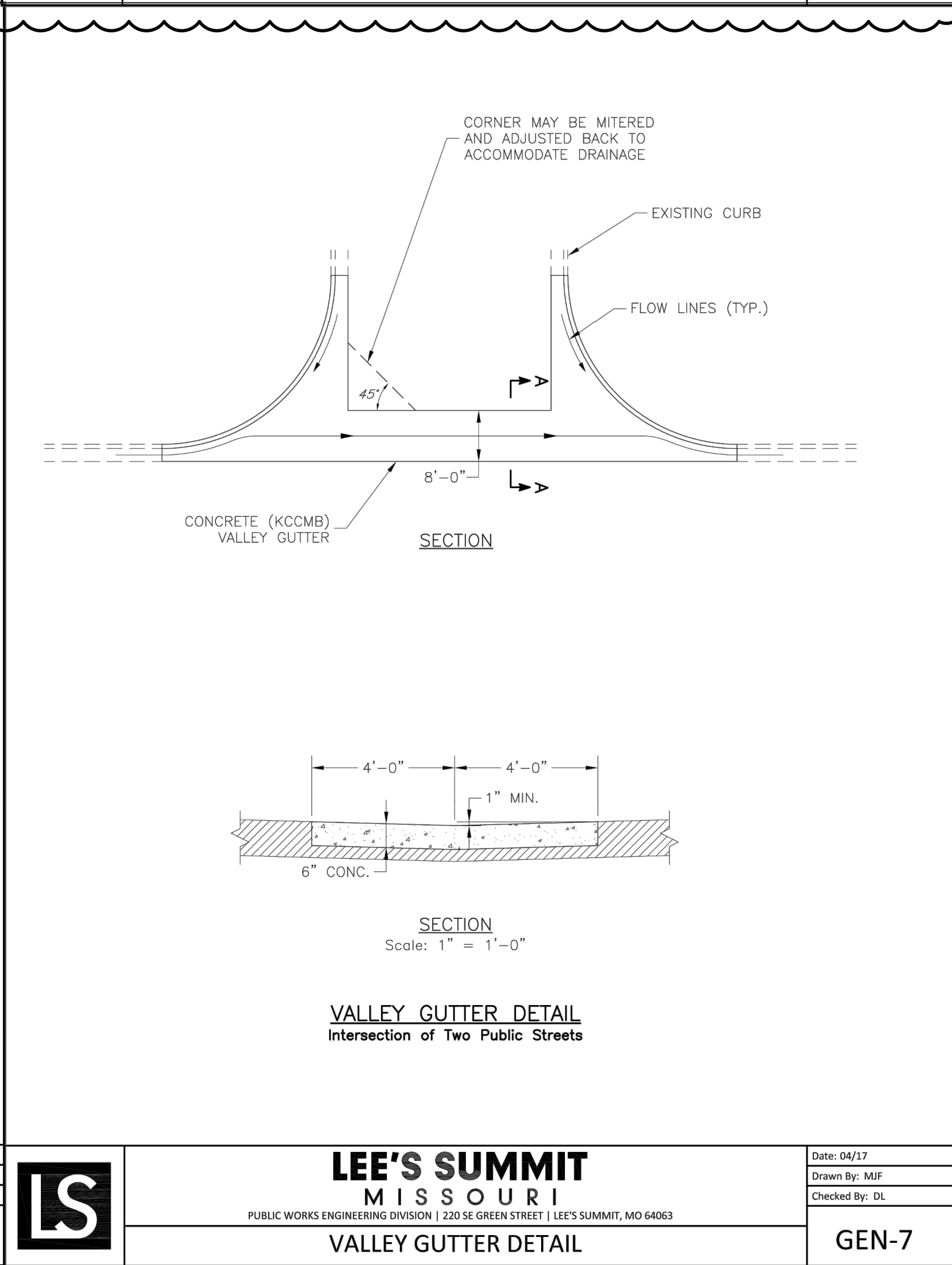
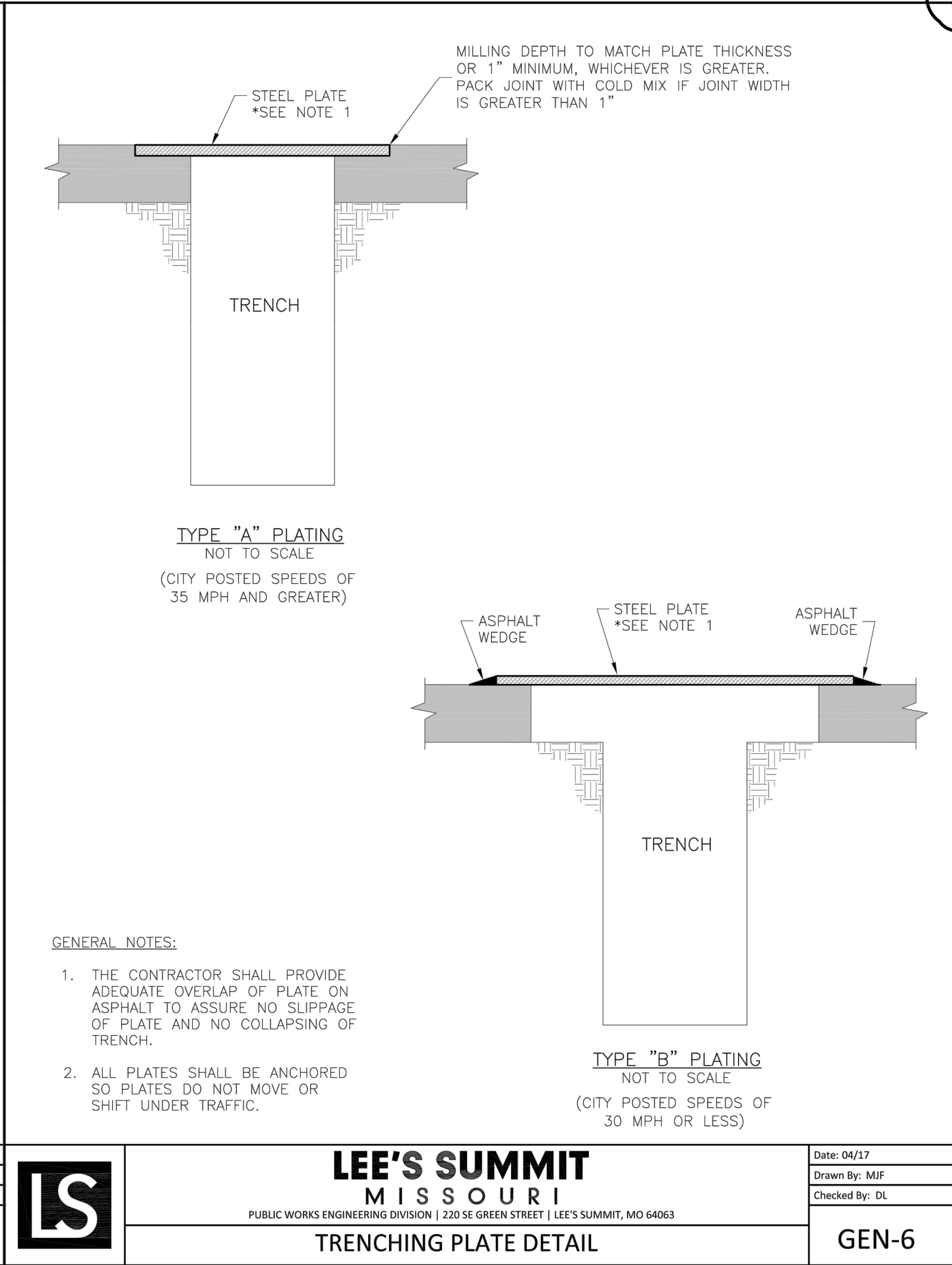
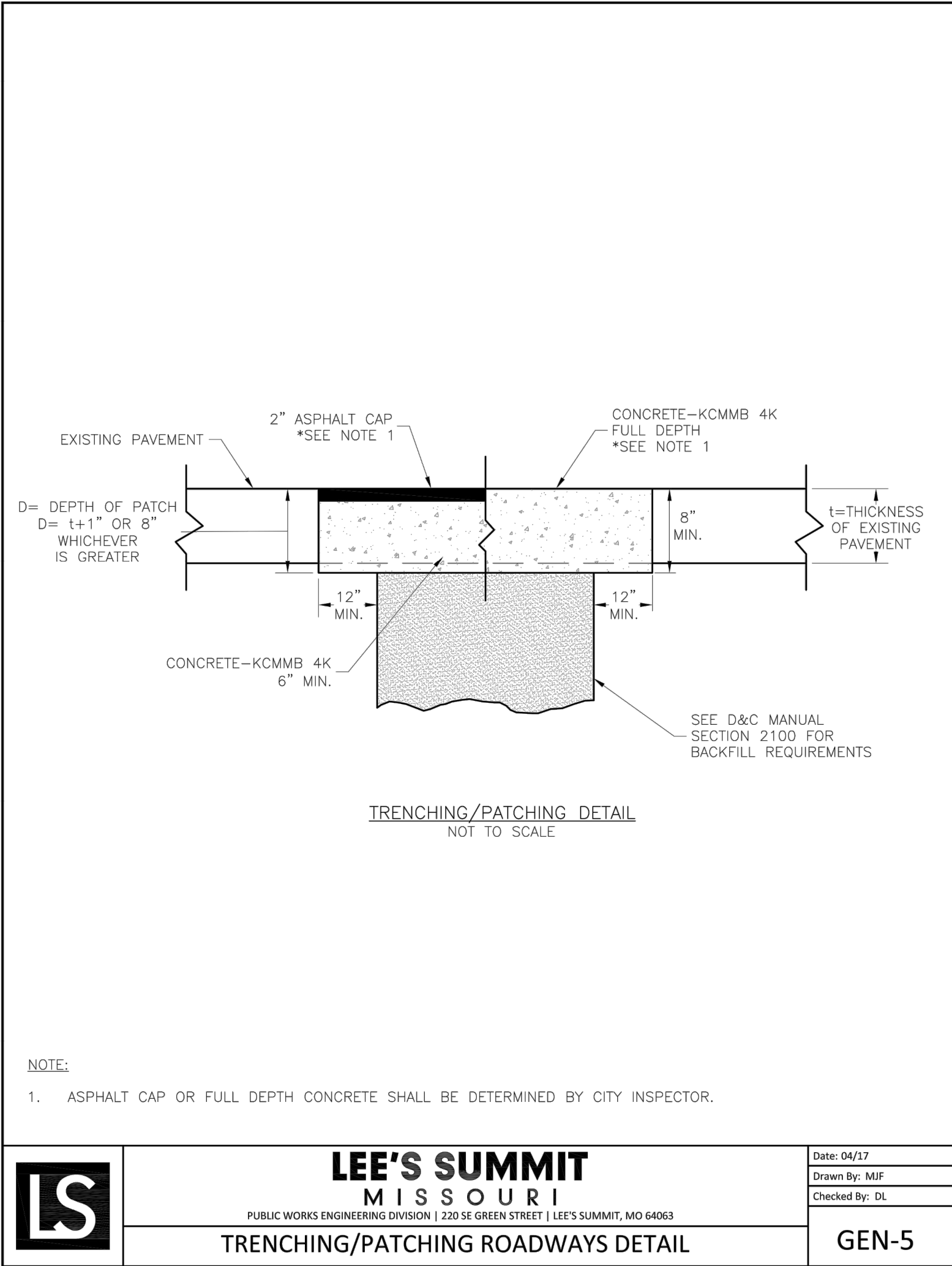


GENERAL NOTES

1. SUBGRADE SHALL BE STABLE, COMPACTED EARTH AND SHALL BE OVERLAYED WITH 4" COMPACTED GRADE DENSE AGGREGATE BASE.
2. CURB APPROACHES SHALL MEET CURRENT PUBLIC RIGHT OF WAY ACCESSIBILITY GUIDELINES (PROWAG) FOR SLOPE REQUIREMENTS WHEN SIDEWALK IS REQUIRED (SEE ADA RAMP RETROFIT DETAIL GEN-36). SIDEWALK/SHARED USE PATH RAMP AT DRIVE/ALLEY DETAILS.
3. JUMP AT BACK OF CURB LINE SHALL BE AN ISOLATION JOINT FOR RESIDENTIAL DRIVEWAYS.
4. KCMCB 4K CONCRETE MIX IS REQUIRED FOR ALL CURBS.
5. COMMERCIAL DRIVEWAYS, IN THE PUBLIC RIGHT OF WAY, SHALL BE KCMCB 4K CONCRETE MIX.
6. RESIDENTIAL DRIVEWAYS, IN THE PUBLIC RIGHT OF WAY, SHALL BE KCMCB 4K CONCRETE MIX OR RISE.
7. CURB AND DRIVEWAY SHALL BE FINISHED TO MATCH ADJACENT DRIVEWAY OR SIDEWALK. ALL CURB AND DRIVEWAY CONCRETE MIXES NEED TO BE APPROVED BY CITY INSPECTOR.
8. DRIVE CURB SHALL BE LOCATED AT THE RIGHT OF WAY BOUNDARY FOR PROPERTY DELINEATION.
9. WHITE CURING COMPOUND MUST BE APPLIED UNIFORMLY TO THE CONCRETE SURFACE IMMEDIATELY AFTER FINAL FINISHING.
10. 3" FROM TOP OF CURB TO FLOWLINE AT DRIVEWAY (TYPE CG-1 CURB ONLY), MUST MAINTAIN ORIGINAL FLOWLINE OF CURB.
11. THE MAXIMUM WIDTH OF A RESIDENTIAL DRIVEWAY IS 36 FEET WITHIN THE RIGHT OF WAY.



STREETS OF WEST PRYOR NWQ NW PRYOR RD & NW LOWENSTEIN DR LEE'S SUMMIT, MISSOURI		PROJ. NO. A14-7067-1	
		DESIGNER LDO	DRAWN BY JT/BKR
CFN		REV	
SHEET 27		REV 0	
PUBLIC STREET PLANS STREET DETAIL SHEET		INITIAL ISSUE 01-11-19	
2319 N. JACKSON P.O. BOX 1304 JUNCTION CITY, KANSAS 66441 PH. (785) 744-7744 jdk@kvweng.com www.kvweng.com			
		KAW VALLEY ENGINEERING KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY MISSOURI STATE CERTIFICATE OF AUTHORITY # 000942. EXPIRES 12/31/19	
LEON D. OSBOURN ENGINEER MO # 021726		REV DATE DESCRIPTION DSN DWN CHK	



LS

LEE'S SUMMIT
MISSOURI

PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063

GEN-5

Date: 04/17

Drawn By: MJF

Checked By: DL

LS

LEE'S SUMMIT
MISSOURI

PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063

GEN-6

Date: 04/17

Drawn By: MJF

Checked By: DL

LS

LEE'S SUMMIT
MISSOURI

PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063

GEN-7

Date: 04/17

Drawn By: MJF

Checked By: DL

2319 N. JACKSON | P.O. BOX 1304
JUNCTION CITY, KANSAS 66441
PH. (785) 762-5040 | FAX (785) 762-7744
joe@kveeng.com | www.kveeng.com

KAW VALLEY ENGINEERING

KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES IN THE STATE OF MISSOURI. CERTIFICATE OF AUTHORITY # 000842. EXPIRES 12/31/19

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

PUBLIC STREET PLANS
STREET DETAIL SHEET

PROJ. NO. A14-7067-1

DESIGNER LDO

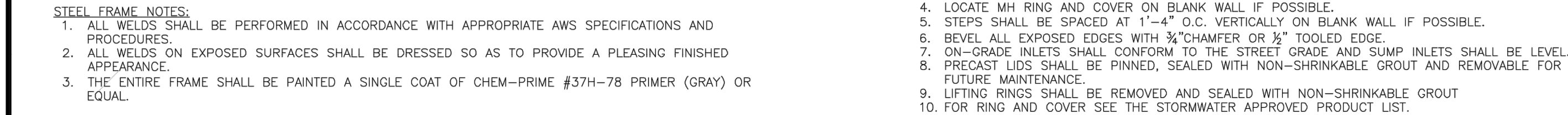
DRAWN BY JT/BKR

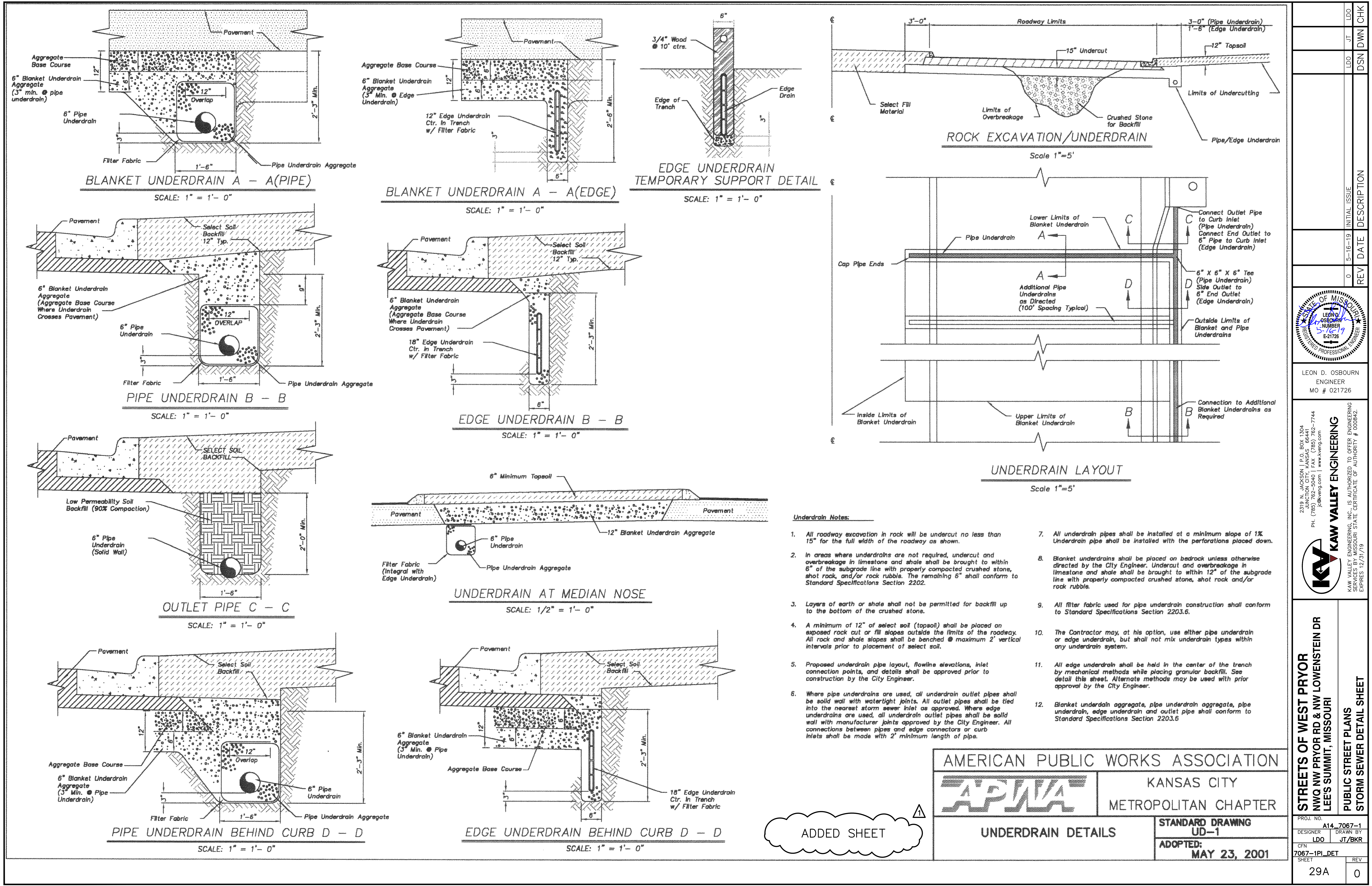
CFN 7067-1PI_DET

SHEET 28

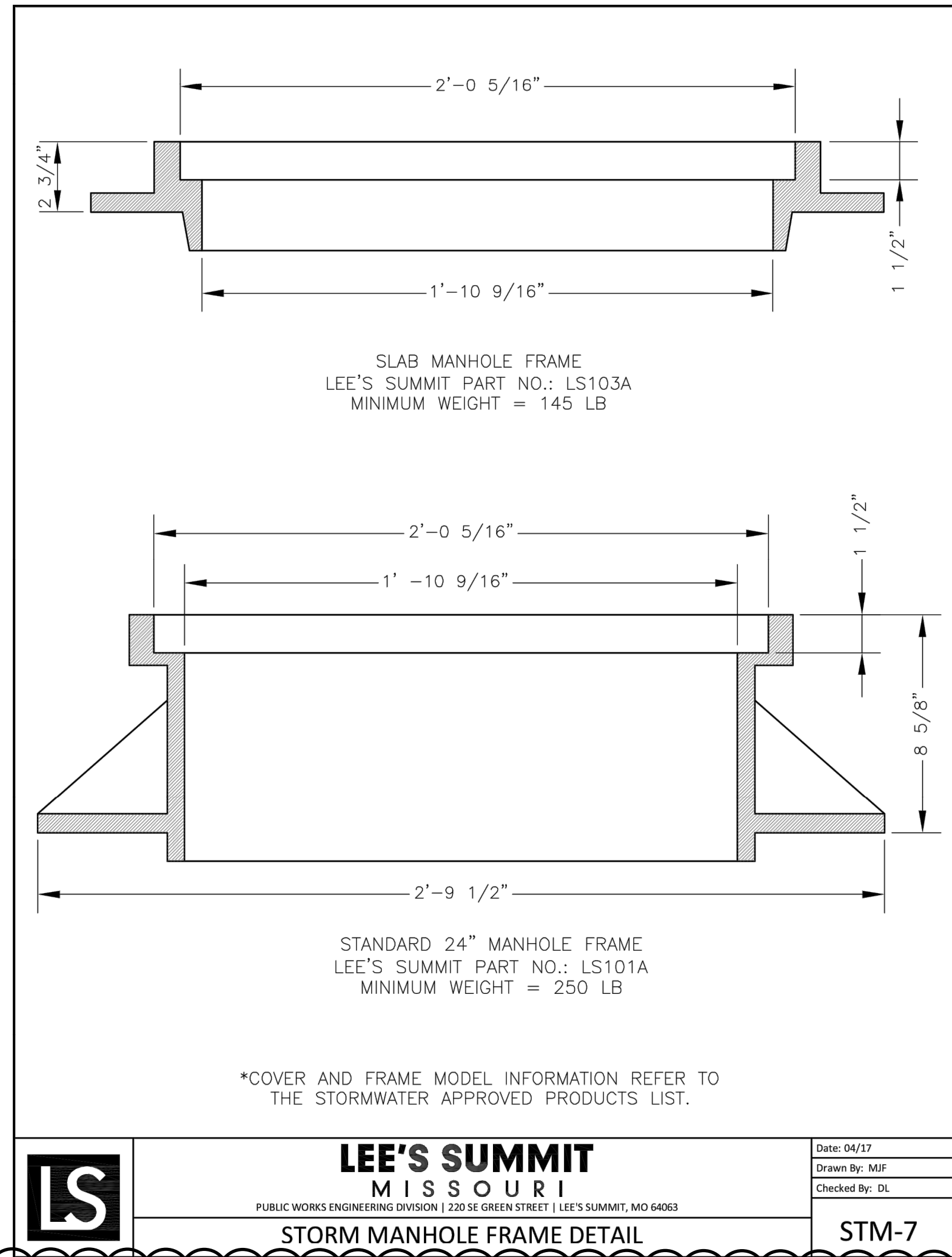
REV 1

THIS DRAWING SHALL NOT BE UTILIZED BY ANY PERSON, FIRM, OR CORPORATION IN WHOLE OR IN PART WITHOUT THE SPECIFIC PERMISSION OF KAW VALLEY ENGINEERING, INC.





0	5-16-19	INITIAL ISSUE	DESCRIPTION	LDN	CHK
0	5-16-19	REV	DATE	LDN	CHK
STATE OF MISSOURI LEON D. OSBOURN ENGINEER NUMBER 51619 E21726 2310 N. JACKSON P.O. BOX 1304 JUNCTION CITY, KANSAS 66441 PH. (785) 762-5040 FAX (785) 762-7744 joe@kve.com www.kve.com KAW VALLEY ENGINEERING KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING DESIGN SERVICES IN THE STATE OF MISSOURI EXPIRES 12/31/19					
STREETS OF WEST PRYOR NWQ NW PRYOR RD & NW LOWENSTEIN DR LEE'S SUMMIT, MISSOURI					
PUBLIC STREET PLANS STORM SEWER DETAIL SHEET					
PROJ. NO. A14-7067-1 DESIGNER LDO DRAWN BY JT/BKR CFN 7067-1PI-DET SHEET 29A REV 0					



ROCK LINING FOR CULVERT OUTLETS					
CULVERT DIA (IN.)	MINIMUM DEPTH WIDTH (FT.)	MINIMUM LENGTH (FT.)	ROCK LINING (CU. YD.)	EQUIVALENT PIPE ARCH CULVERT (APPROX.)	EQUIVALENT CONCRETE CULVERT (APPROX.)
18	1 X 4	12	2		2' X 1 1/2'
24	1 X 6	14	3		2' X 2'
30	1 X 7	16	4	B-5	2 1/2' X 2'
36	1.5 X 9	18	9	B-6	3' X 3'
42	2 X 10	20	15	B-7	3 1/2' X 3'
48	2 X 12	20	18	B-8	4' X 3 1/2'
54	2 X 13.5	22	22	B-9	4' X 4'
60	2 X 15	25	28	B-10	5' X 4'
66	2 X 18	25	33	B-11	5' X 5'
72	2 X 20	30	44	B-12	5' X 6'
84	2.5 X 25	35	81		6' X 6'
96	2.5 X 30	40	111		7' X 7'
108	3 X 32	40	142		8' X 8'

GENERAL NOTES:

THE DIMENSIONS SHOWN IN THE TABLE CAN BE APPLIED TO BOX OR ARCH CULVERTS OF EQUIVALENT WATERWAY AREA.

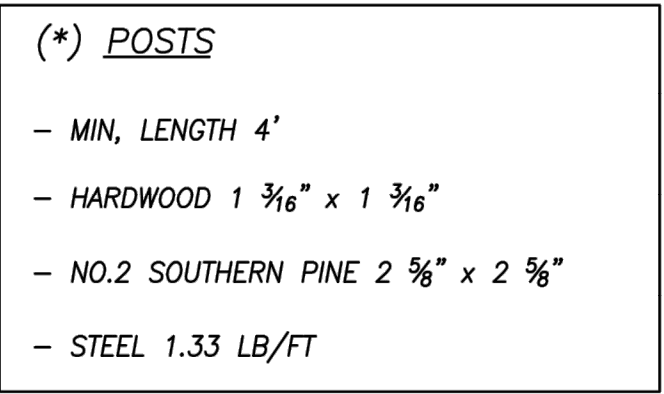


**MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION**
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

ROCK LINING FOR CULVERT OUTLET

DATE EFFECTIVE: 10/01/1981	609.70C	SHEET NO.
DATE PREPARED: 8/21/2009		1 OF 1

STREETS OF WEST PRYOR NWQ NW PRYOR RD & NW LOWENSTEIN DR LEE'S SUMMIT, MISSOURI		PROJ. NO. A14-7067-1	
DESIGNER	LDO	DRAWN BY	JT/BKR
CFN	7067-1PI_DET		
SHEET	30	REV	1
PUBLIC STREET PLANS STORM SEWER AND EROSION CONTROL DETAIL SHEET			



(**) - Geotextile Fabric shall meet the requirements of AASHTO M288

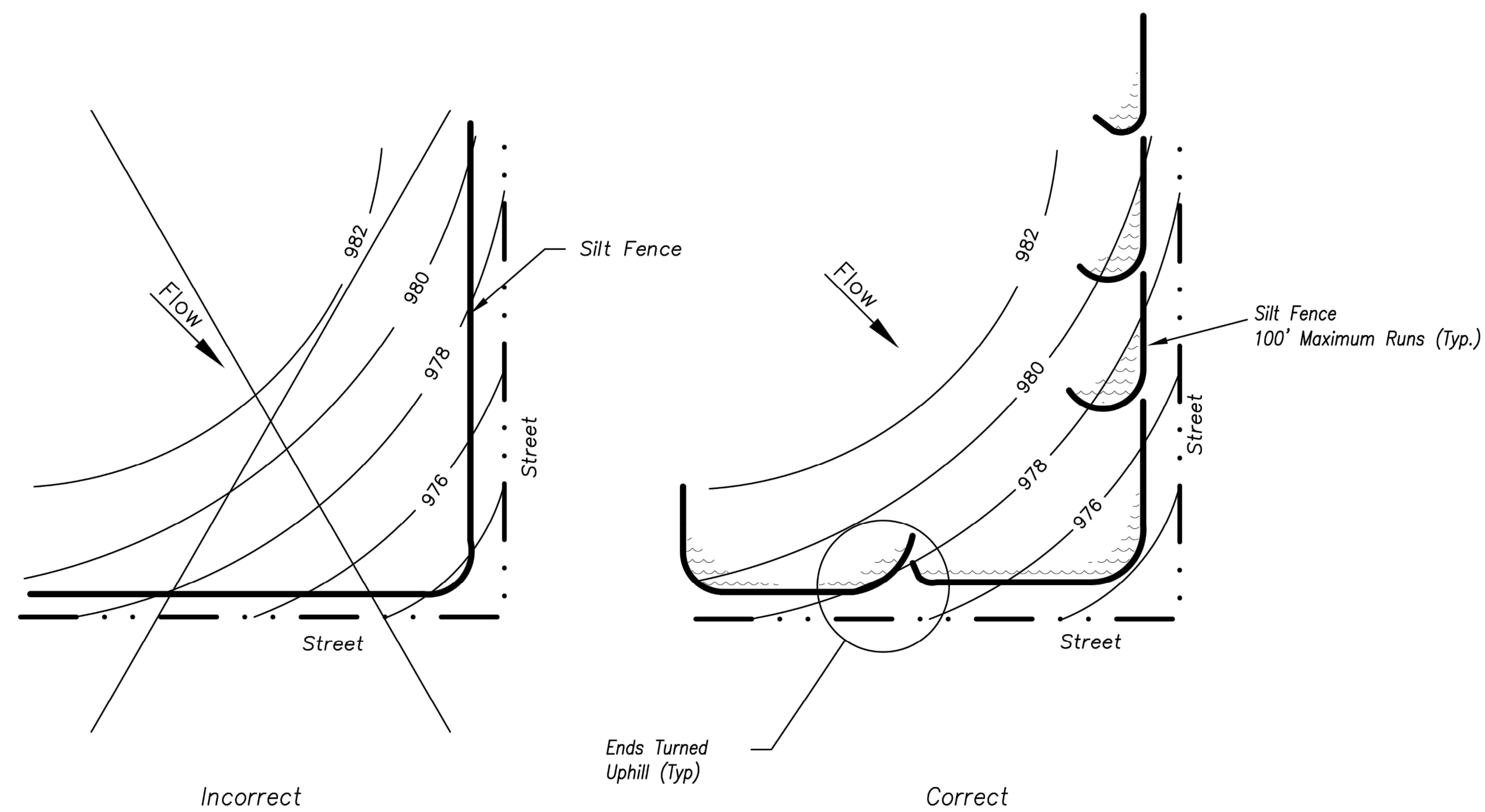
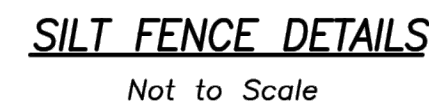
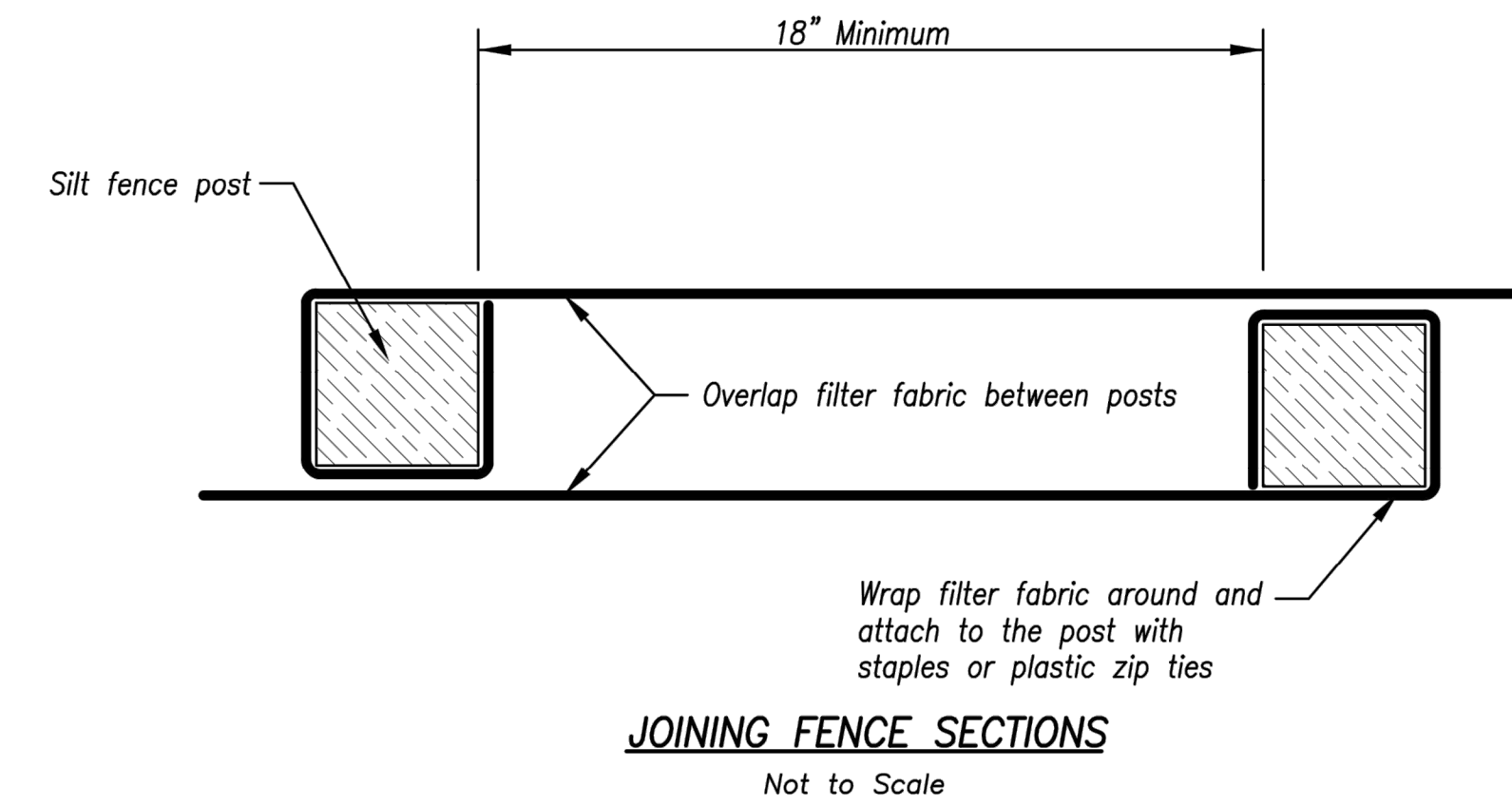
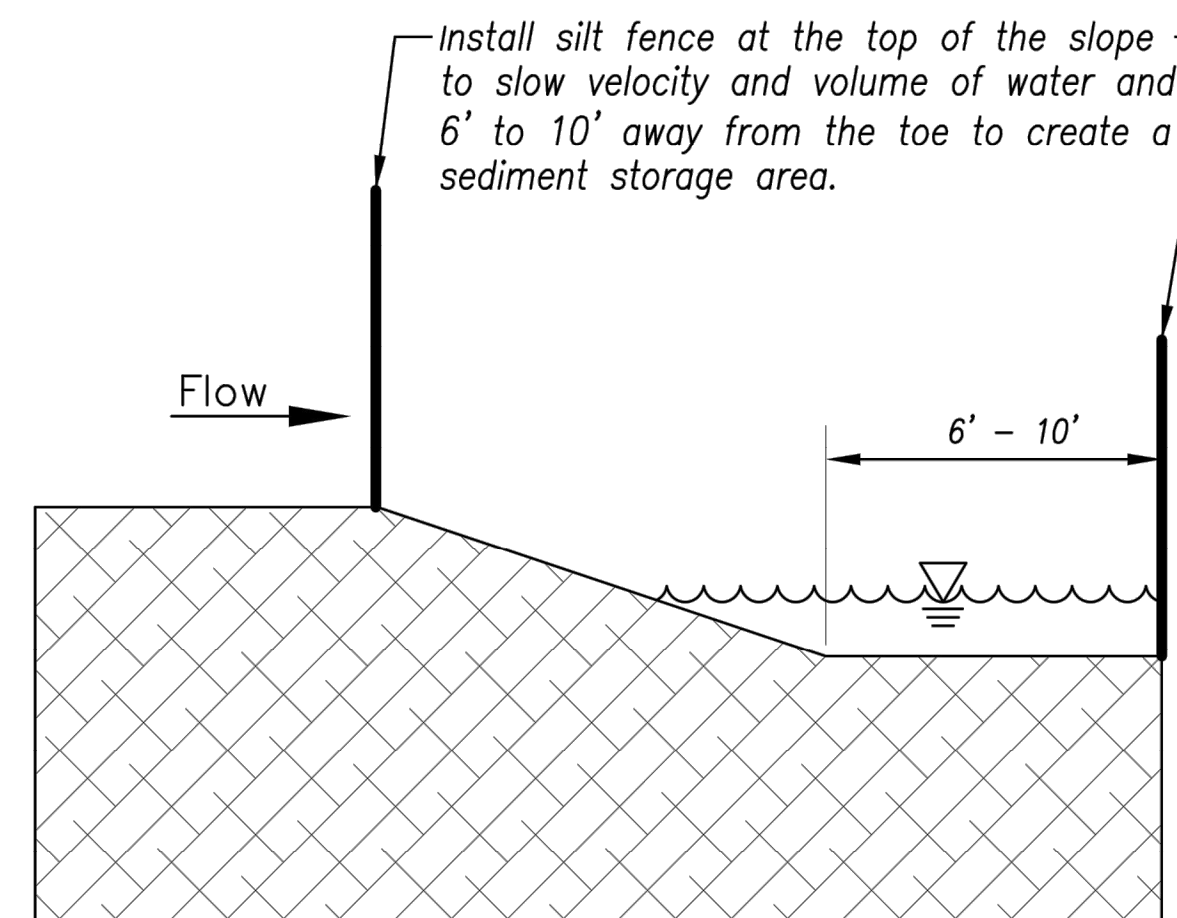
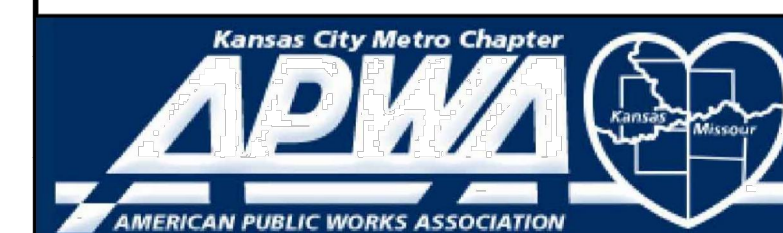


Figure A

SILT FENCE LAYOUT
Not to Scale



AMERICAN PUBLIC WORKS ASSOCIATION



KANSAS CITY
METRO CHAPTER

SILT FENCE

STANDARD DRAWING NUMBER ESC-03
ADOPTED: 10/24/2016

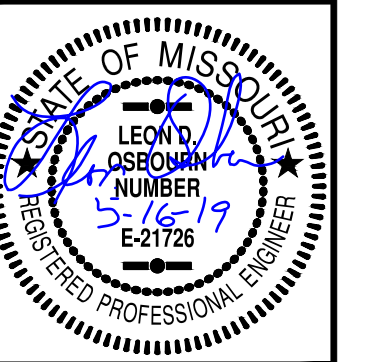
Modified from 2015 Overland Park Standard Details
for Erosion and Sediment Control.

Notes:

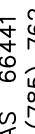
1. In order to contain water, the ends of the silt fence must be turned uphill (Figure A).
2. Long perimeter runs of silt fence must be limited to 100'. Runs should be broken up into several smaller segments to minimize water concentrations (Figure A).
3. Long slopes should be broken up with intermediate rows of silt fence to slow runoff velocities.
4. Attach fabric to upstream side of post.
5. Install posts a minimum of 2' into the ground.
6. Trenching will only be allowed for small or difficult installation, where slicing machine cannot be reasonably used.

Maintenance:

1. Remove and dispose of sediment deposits when the deposit approaches $\frac{1}{3}$ the height of silt fence.
2. Repair as necessary to maintain function and structure.



LEON D. OSBOURN
ENGINEER
MO # 021726

 **KAW VALLEY ENGINEERING**

KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY MISSOURI STATE CERTIFICATE OF AUTHORITY # 000842.

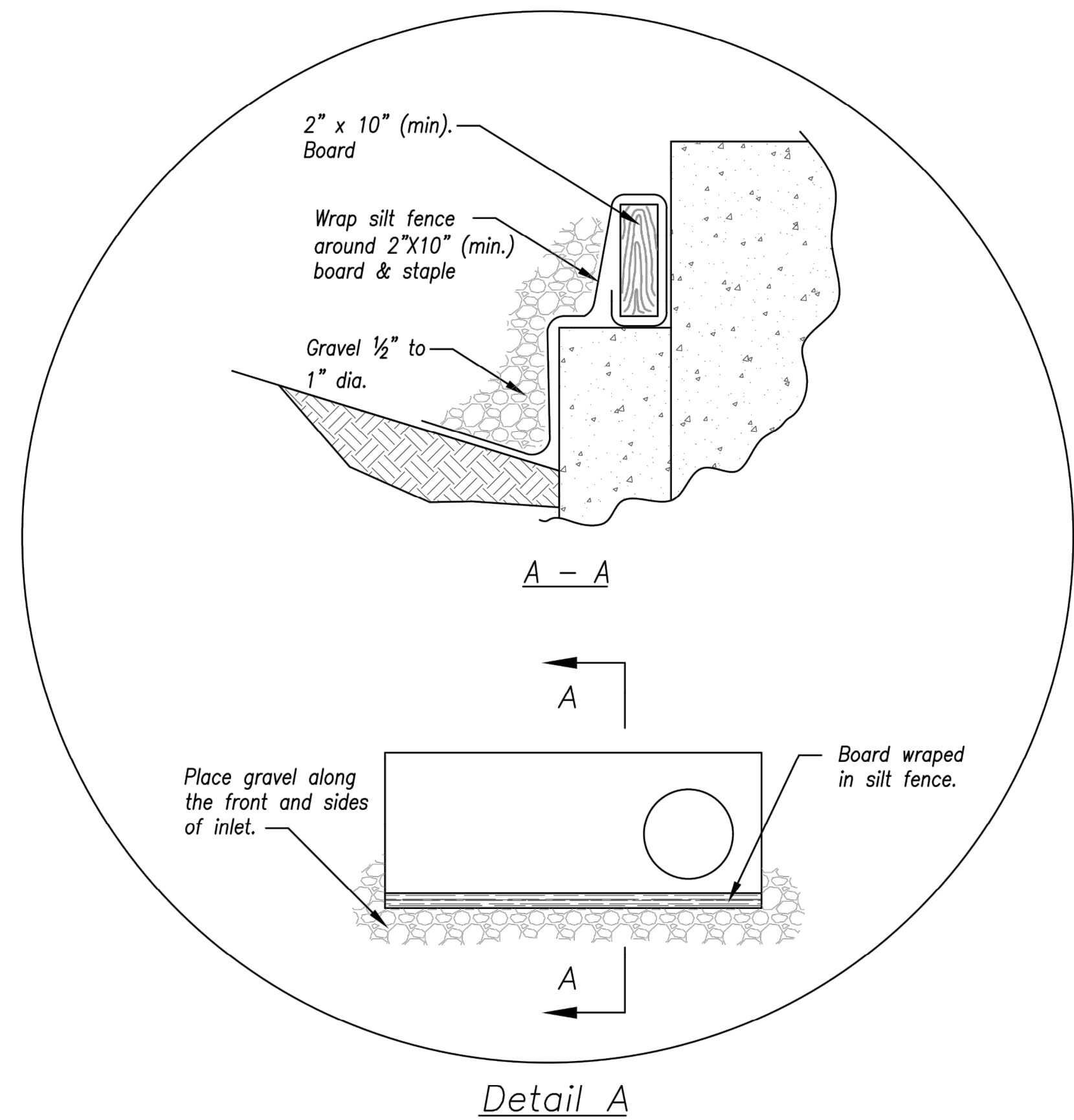
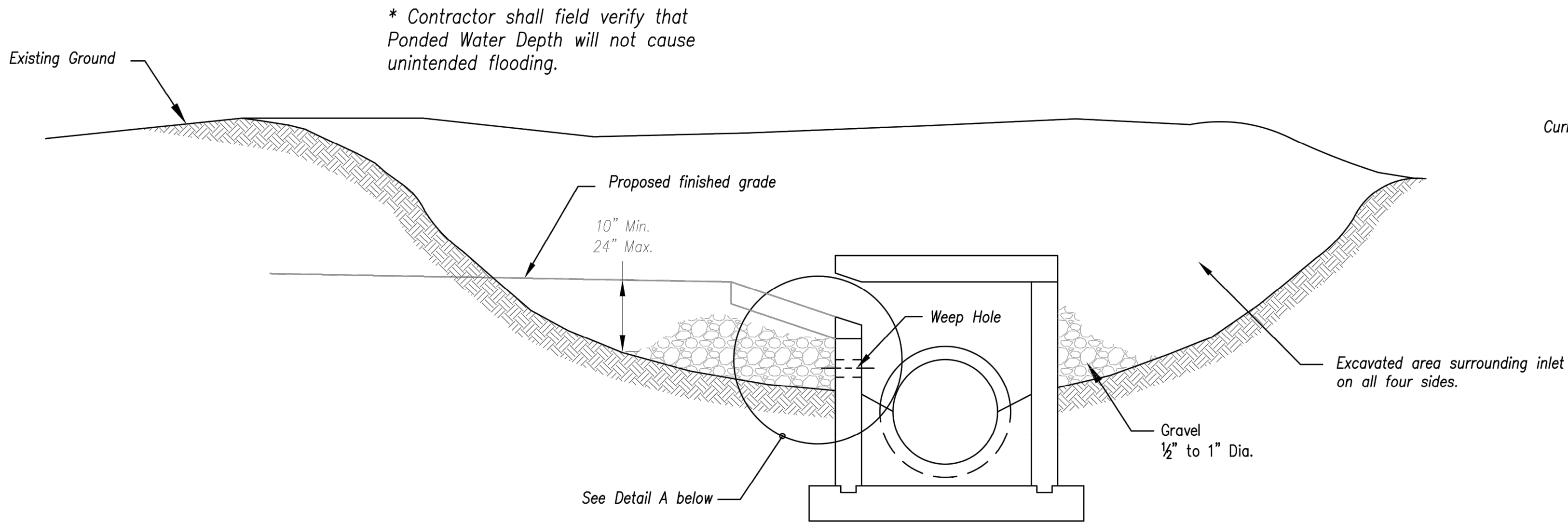
EXPIRES 12/31/19

2319 N. JACKSON | P.O. BOX 1304
JUNCTION CITY, KANSAS 66441
PH. (785) 762-5040 | FAX (785) 762-7744
www.kveeng.com | info@kveeng.com

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

PUBLIC STREET PLANS
EROSION CONTROL DETAIL SHEET

PROJ. NO.	
A14_7067-1	
DESIGNER	DRAWN BY
LDO	JT/BKR
CFN	
067-1PI_DET	
SHEET	REV
31	0



EARLY STAGE CURB INLET
(Open Box and Prior to Pouring Curb and Inlet Throat)

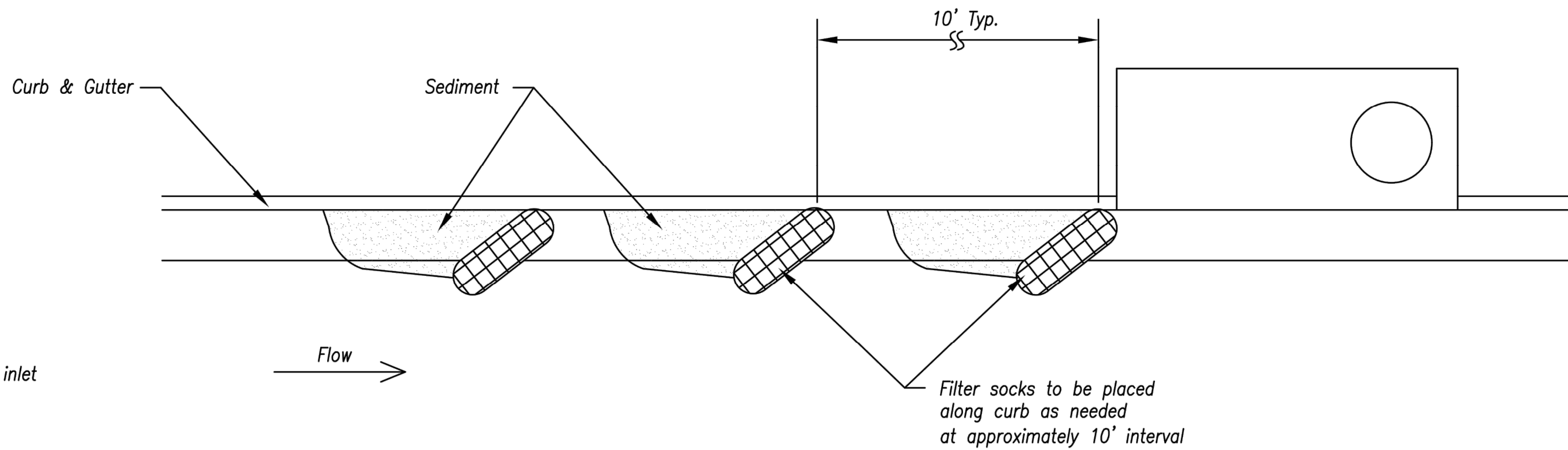
Notes:

1. Immediately following inlet construction and prior to construction of curb and inlet throat, protect inlet opening by installing 2" X 10" (min.) board wrapped in silt fence. Structures shall have excavated storage area on all four sides to allow settling of sediment (Early Stage Curb Inlet).
2. When inlet is completed and curb poured, filter socks or approved equal should be used (Late Stage Curb Inlet). Straw wattles are not approved for curb inlet use.
3. Contractor to field verify ponding water shall not create a traffic hazard.

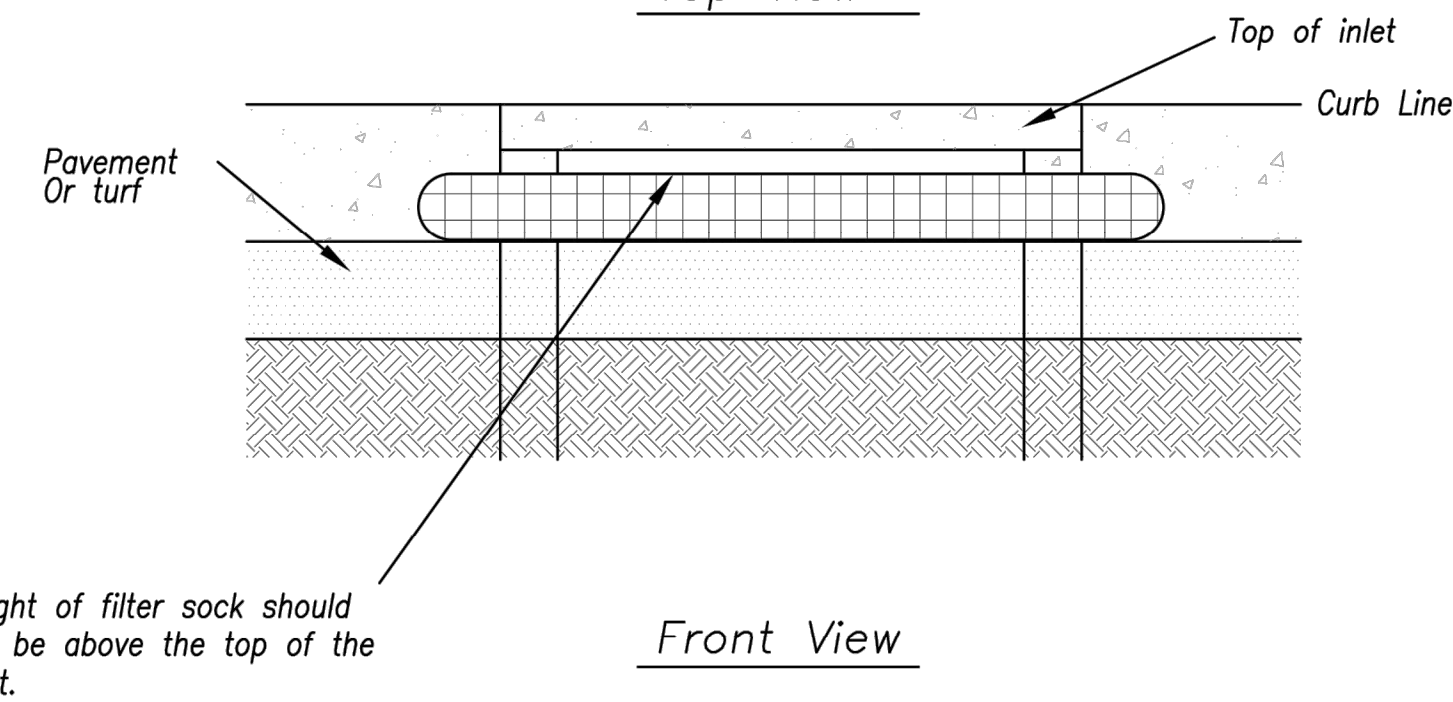
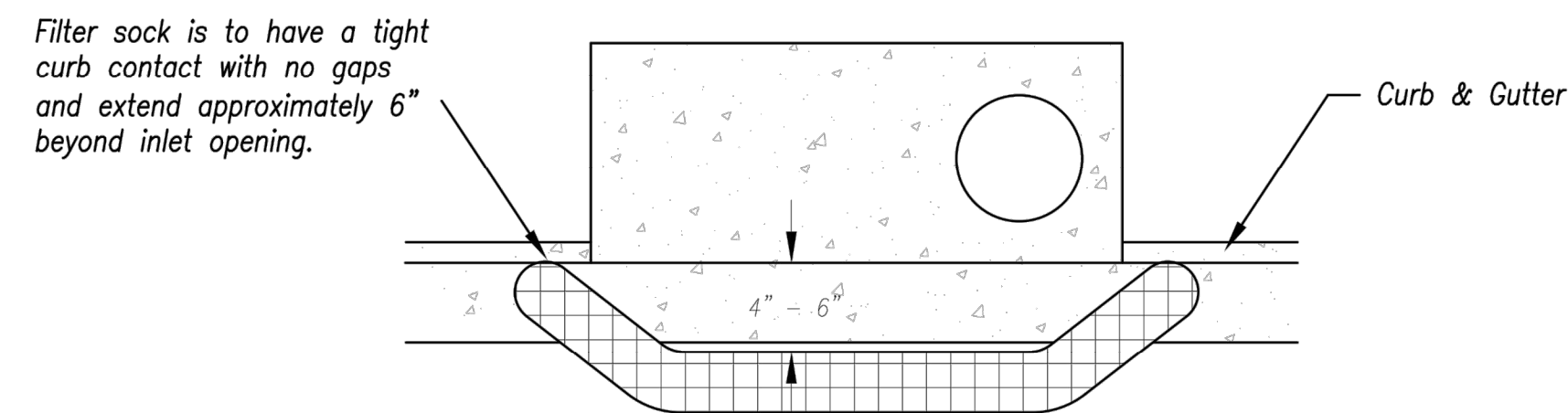
Maintenance:

1. Remove deposited sediment from excavated storage areas when available storage has been reduced by 20%.
2. Remove deposited sediment from filter socks or similar when any accumulation of sediment is visible.
3. Repair or replace as necessary to maintain function and integrity of installation.

Modified from 2015 Overland Park Standard Details for Erosion and Sediment Control.



On Grade Curb Inlet Protection



Sump Inlet Sediment Filter

LATE STAGE CURB INLET
(After Pouring Curb and Inlet Throat)

AMERICAN PUBLIC WORKS ASSOCIATION



KANSAS CITY
METRO CHAPTER

CURB INLET PROTECTION

STANDARD DRAWING
NUMBER ESC-06

ADOPTED:
10/24/2016

REV	DATE	DESCRIPTION	INITIAL	ISSUE	REV	DATE	DESCRIPTION	INITIAL	ISSUE
0	01-11-19	INITIAL ISSUE	LDO	JT	LDO	JT	DWN	CHK	CHK



LEON D. OSBOURN
ENGINEER
MO # 021726

2310 N. JACKSON | P.O. BOX 1304
JUNCTION CITY, KANSAS 66441
PH. (785) 762-5040 | FAX (785) 762-7744
joe@kveeng.com | www.kveeng.com

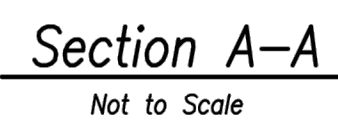


KAW VALLEY ENGINEERING
KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES IN THE STATE OF MISSOURI. EXPIRES 12/31/19

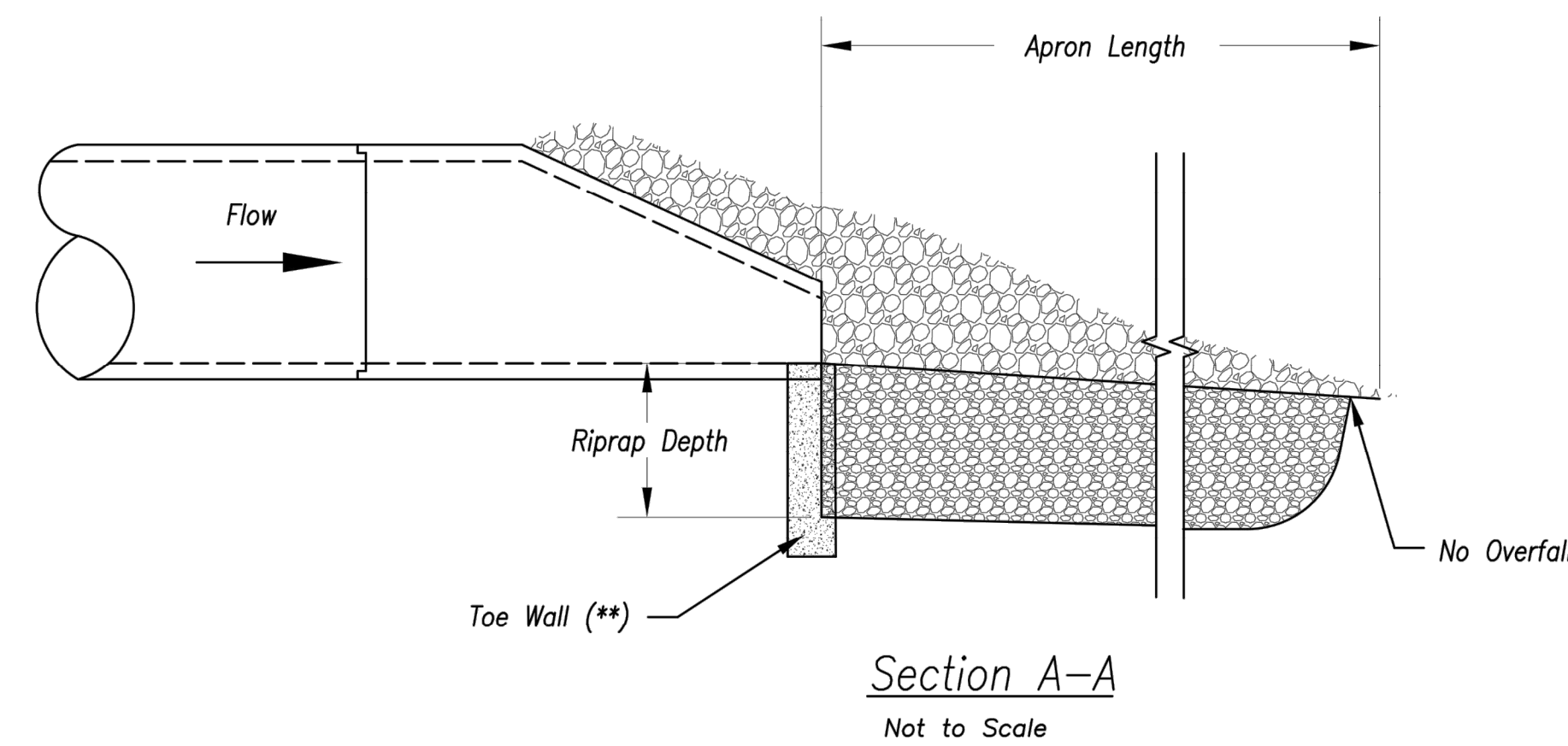
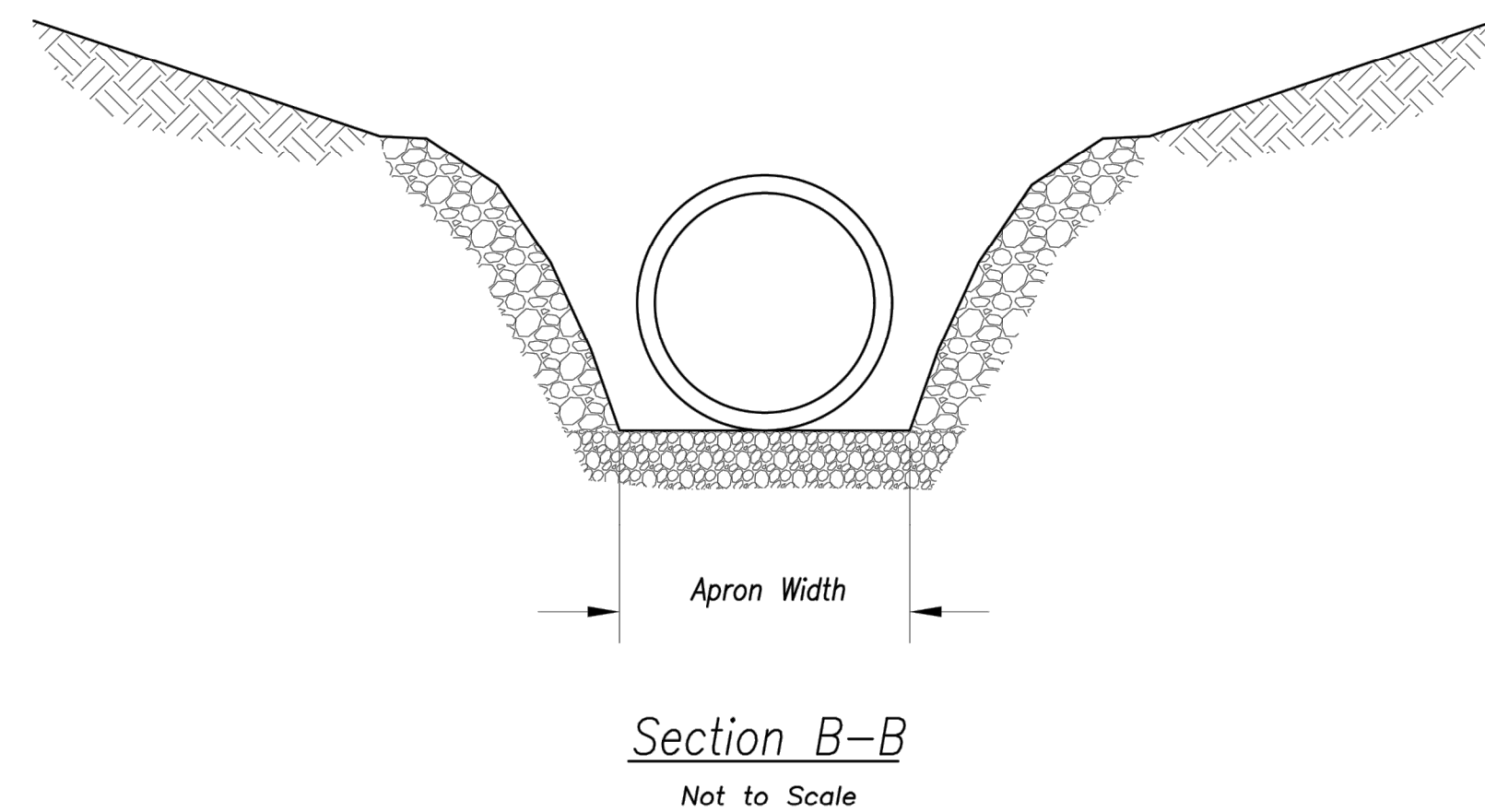
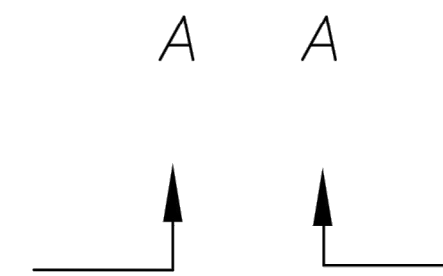
STREETS OF WEST PRYOR
NWQ NW PRYOR RD & NW LOWENSTEIN DR
LEE'S SUMMIT, MISSOURI

PUBLIC STREET PLANS
EROSION CONTROL DETAIL SHEET

PROJ. NO.	A14-7067-1
DESIGNER	LDO
DRAWN BY	JT/BKR
CFN	7067-1PI_DET
SHEET	32
REV	0

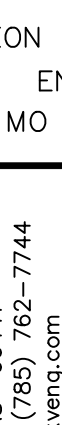


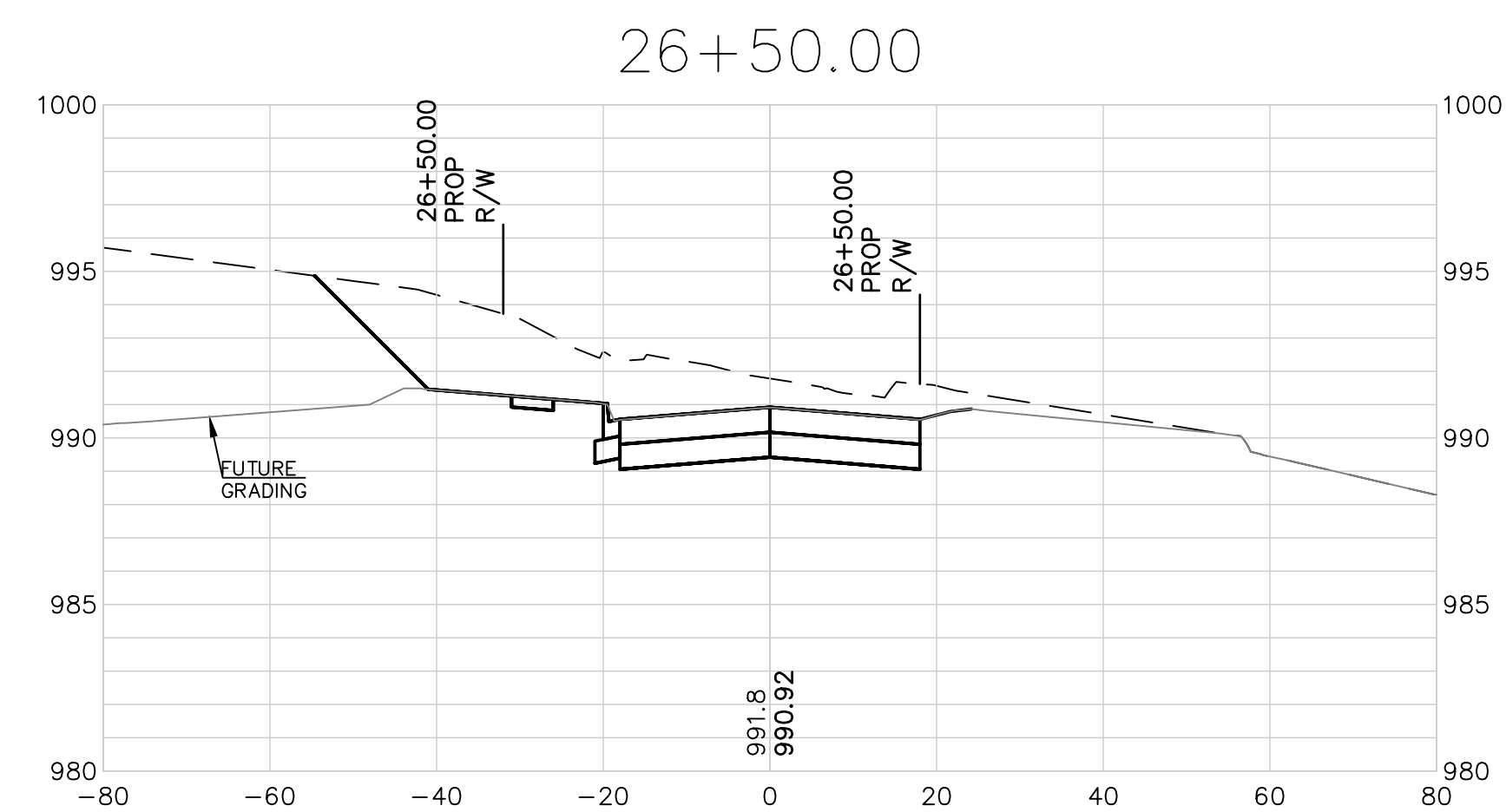
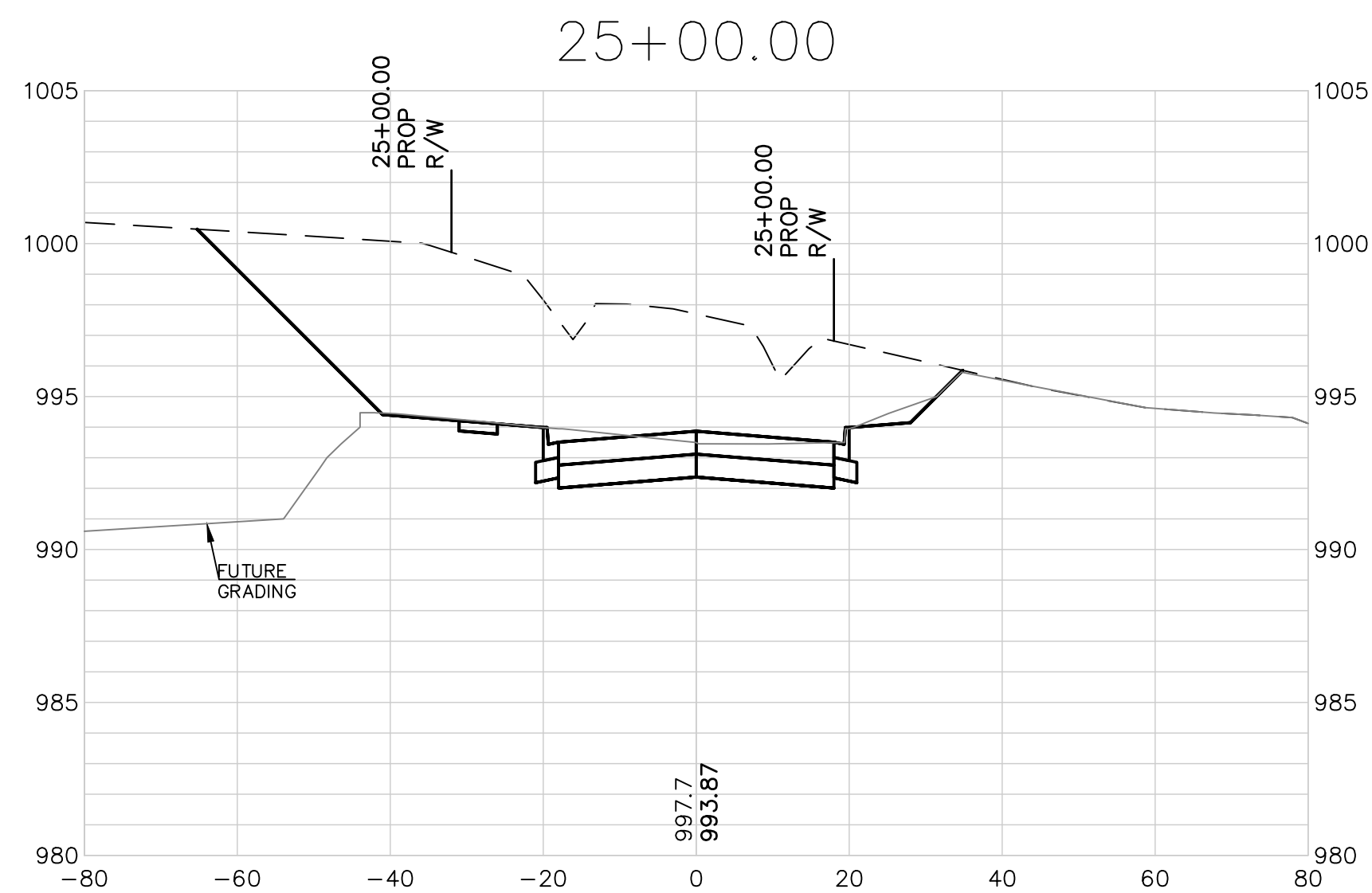
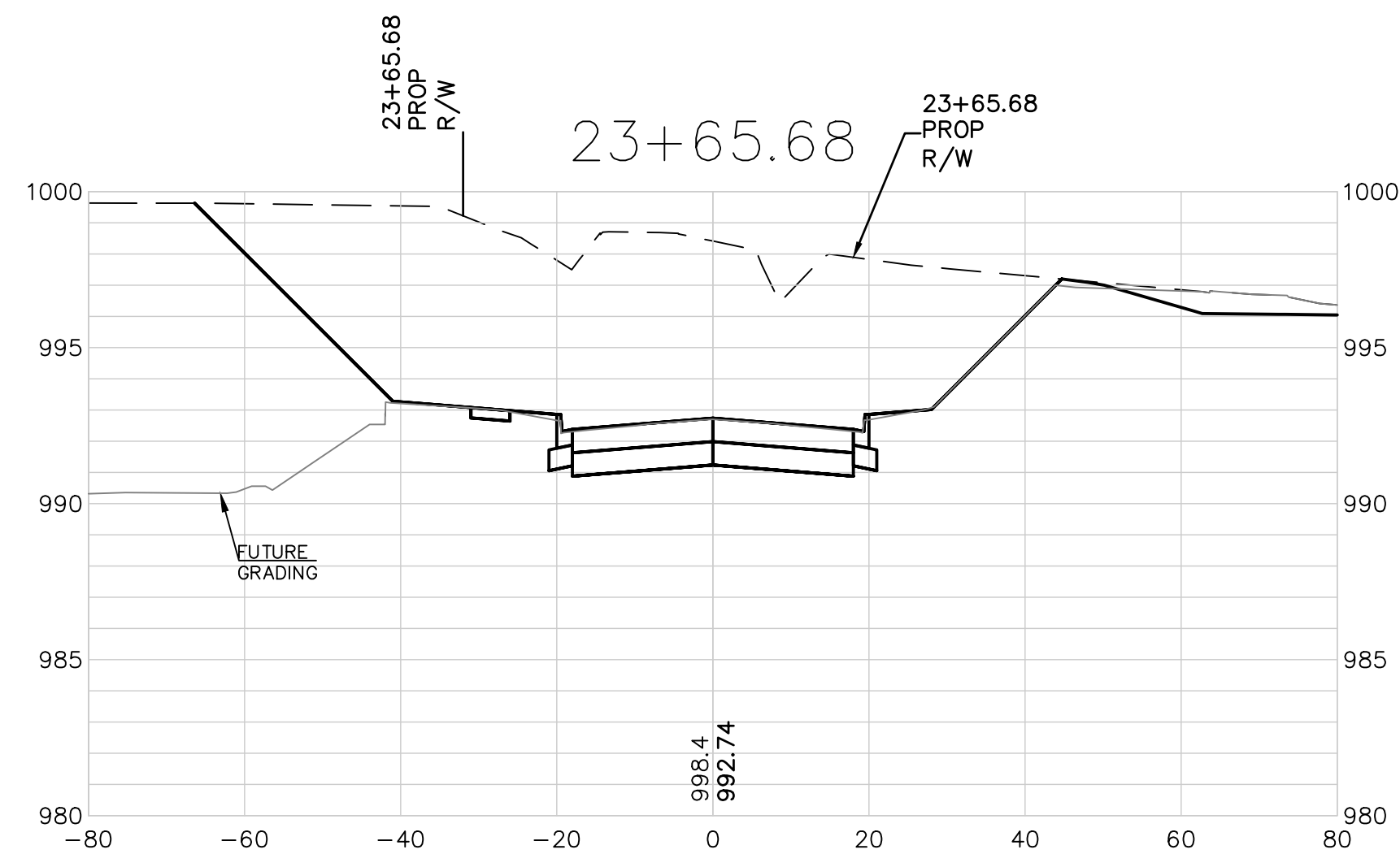
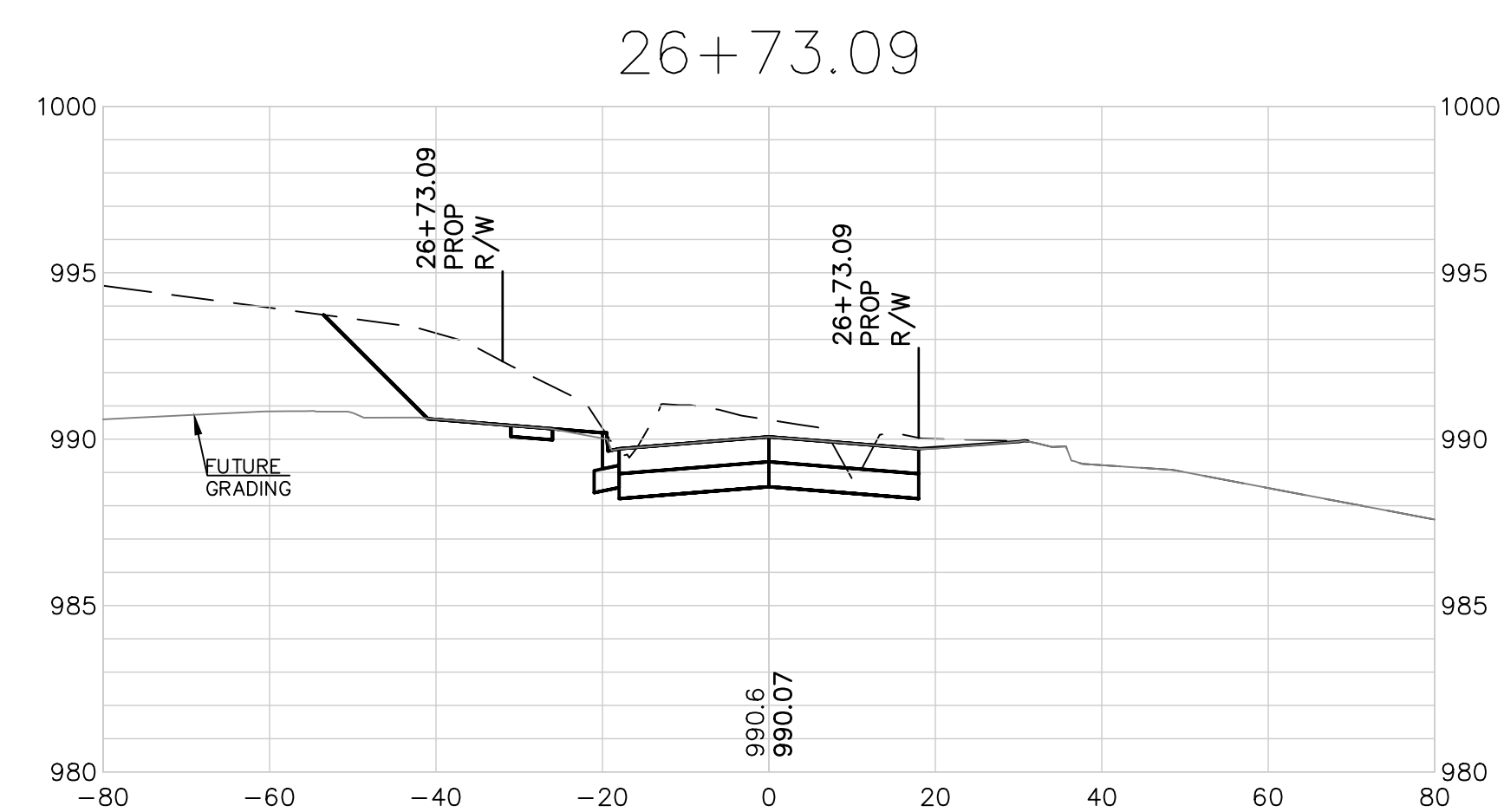
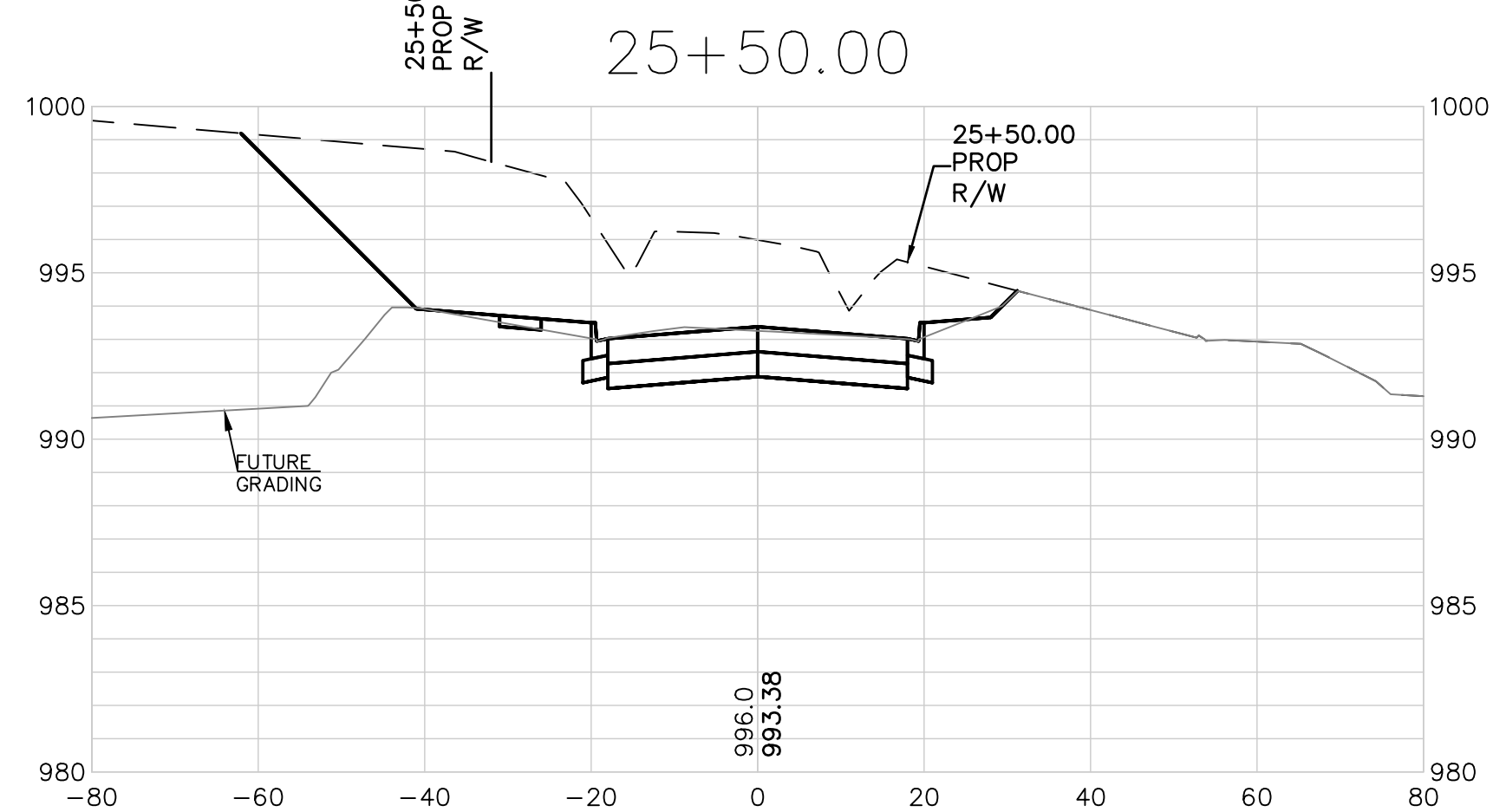
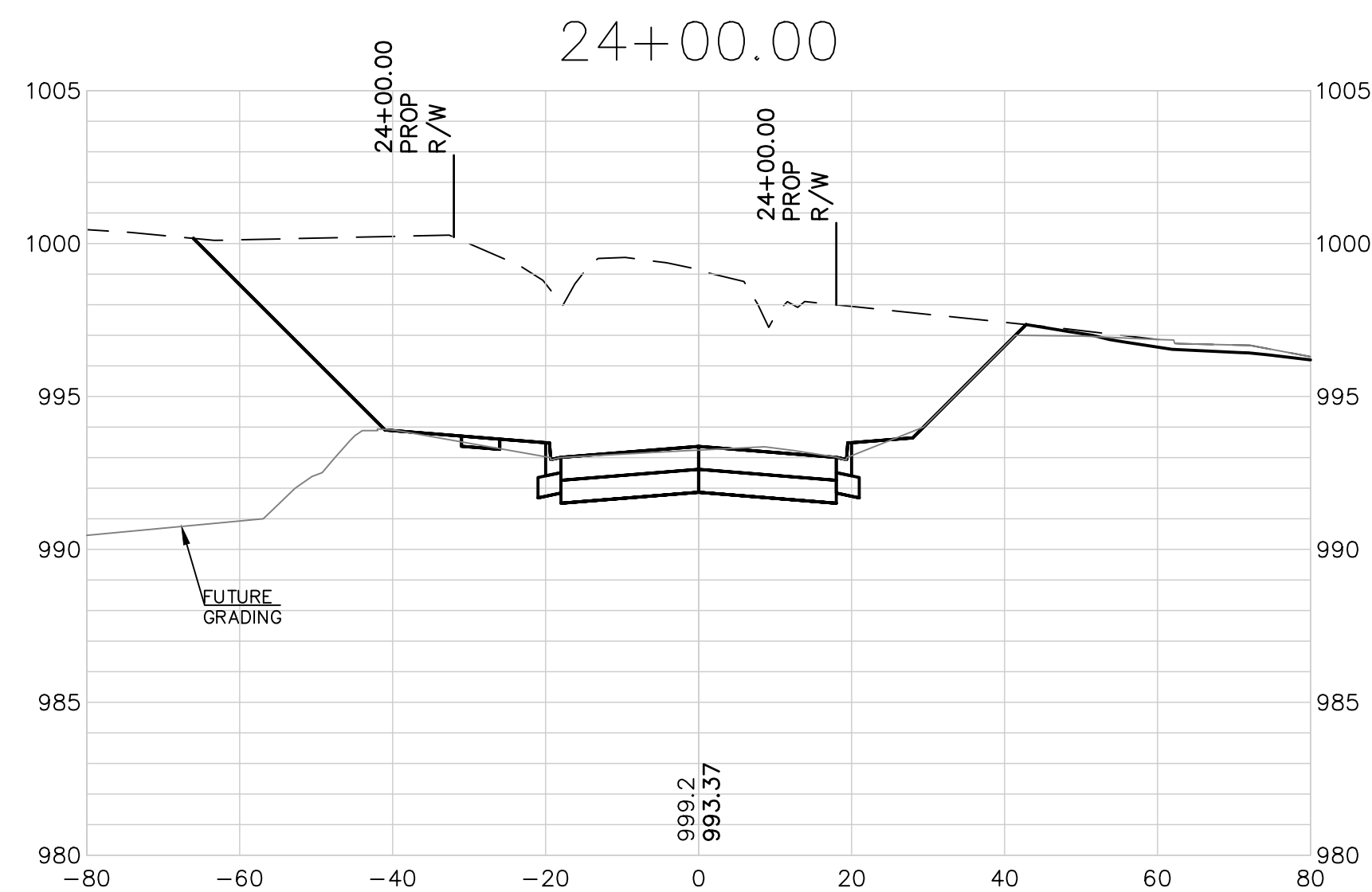
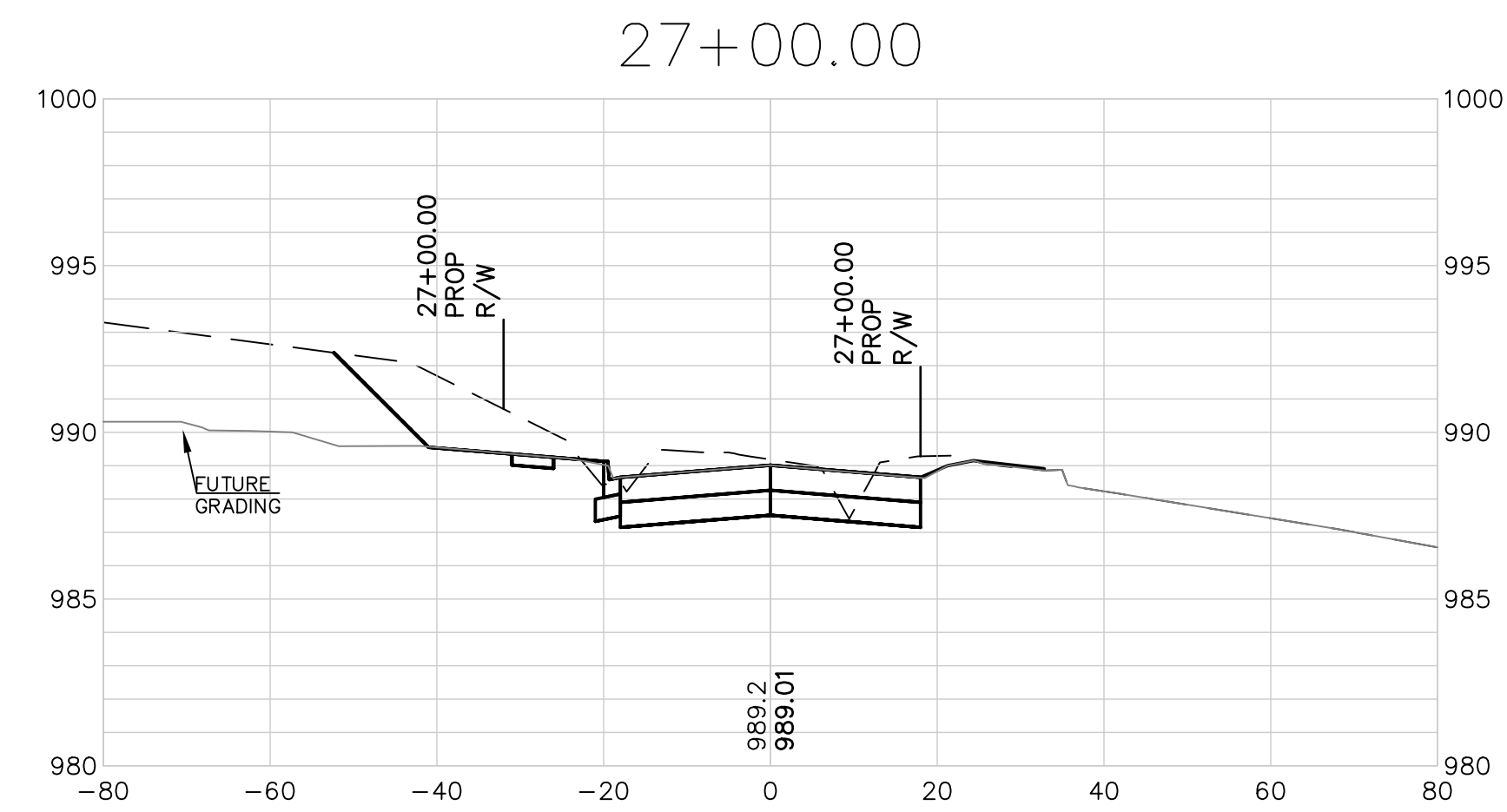
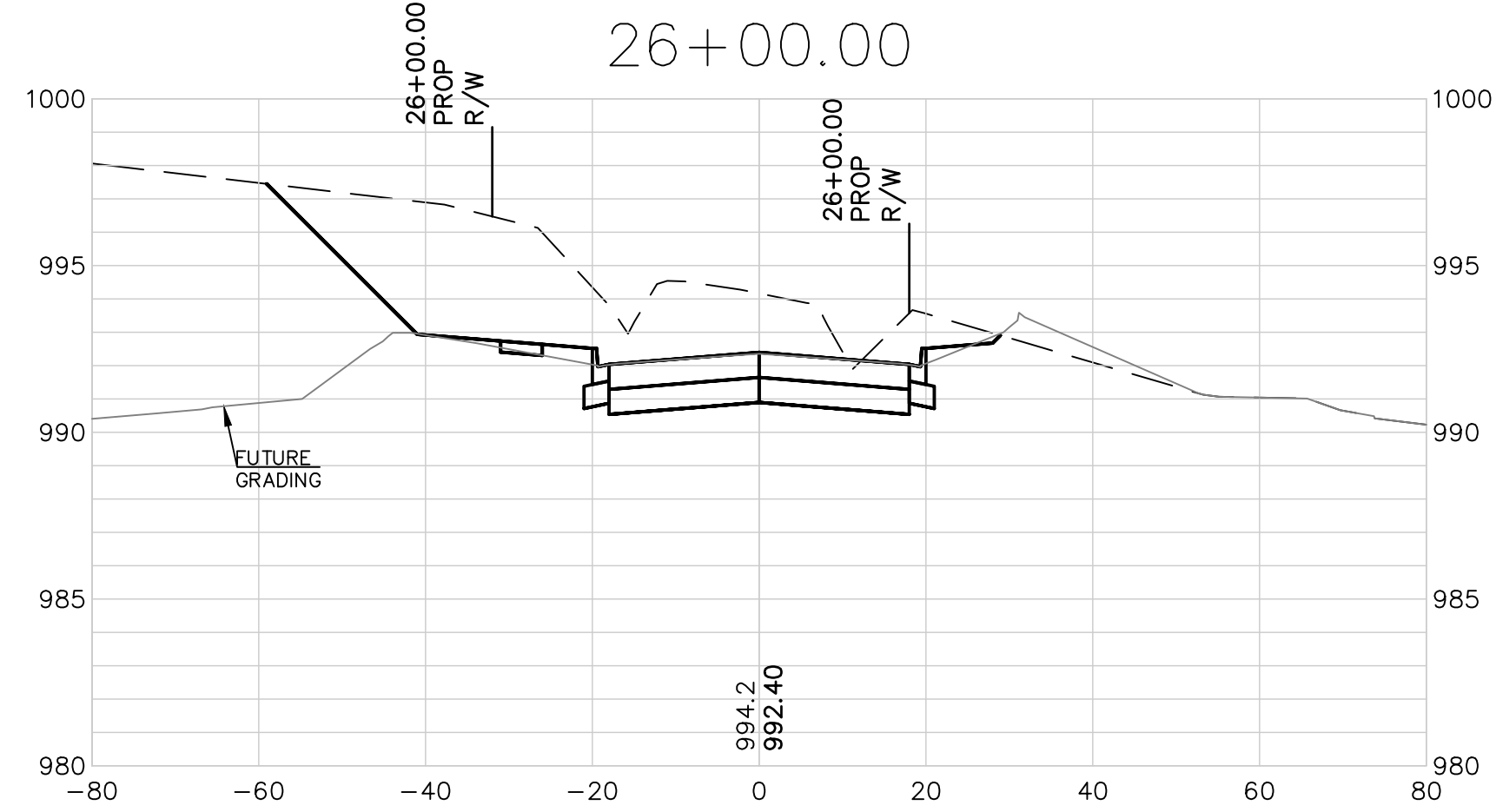
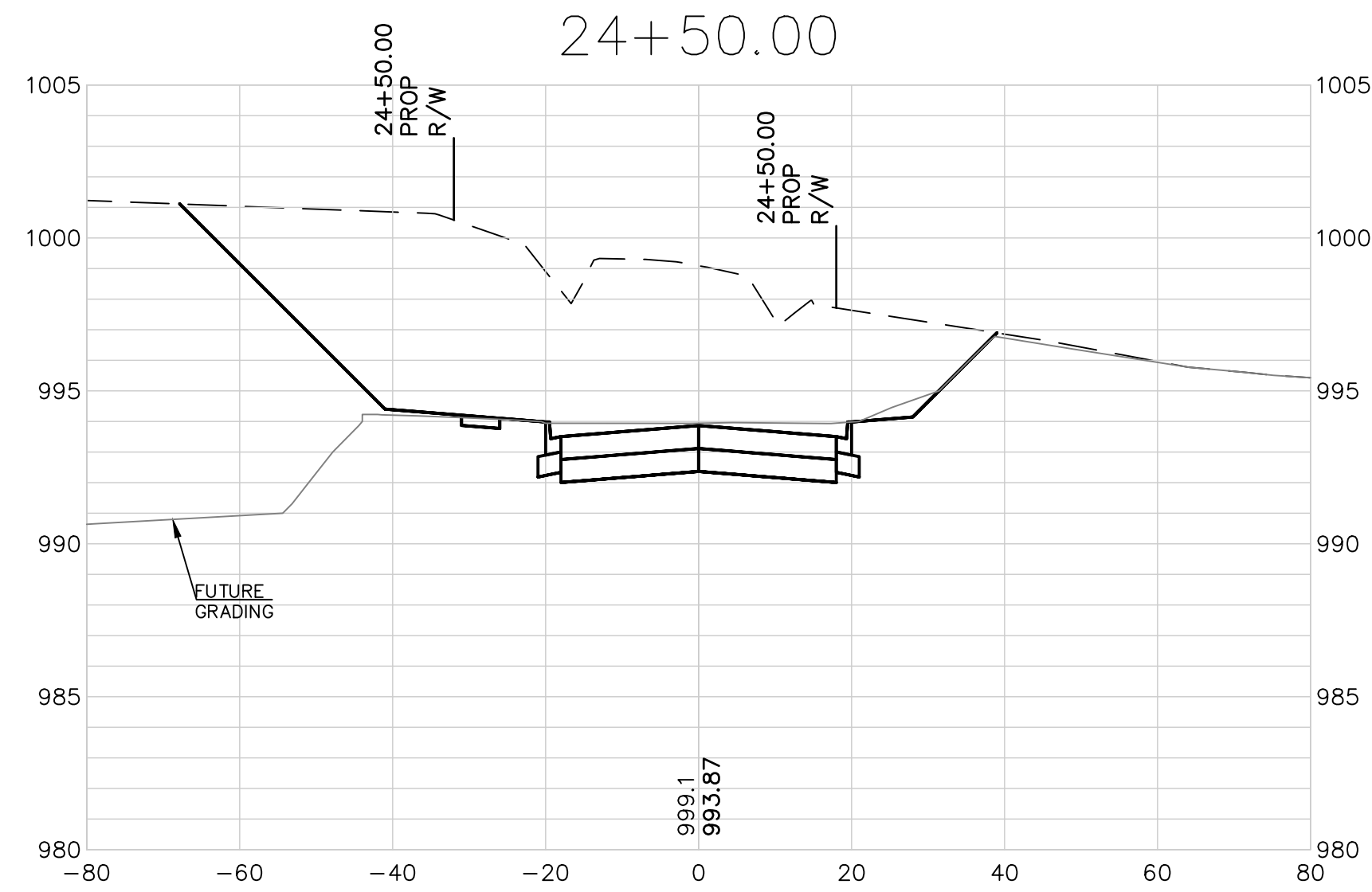
THIS DRAWING SHALL NOT BE UTILIZED BY ANY PERSON, FIRM, OR CORPORATION IN WHOLE OR IN PART WITHOUT THE SPECIFIC PERMISSION OF KAW VALLEY ENGINEERING, INC.



Modified from 2015 Overland Park Standard Details
for Erosion and Sediment Control.

AMERICAN PUBLIC WORKS ASSOCIATION	
 Kansas City Metro Chapter APWA AMERICAN PUBLIC WORKS ASSOCIATION	KANSAS CITY METRO CHAPTER
OUTLET PROTECTION	STANDARD DRAWING NUMBER ESC-14 ADOPTED: 10/24/2016

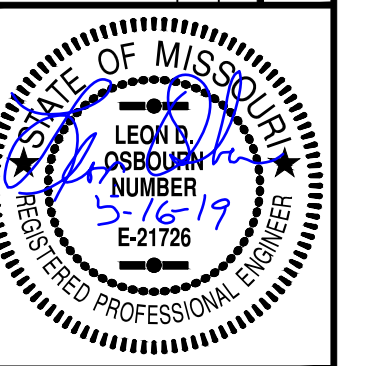
2319 N. JACKSON P.O. BOX 1304 JACKSON, MISSOURI 64501 PH. (785) 761-0940 FAX (785) 762-7144 jdo@kveeng.com www.kveeng.com  KAW VALLEY ENGINEERING KAW VALLEY ENGINEERING, INC., IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY MISSOURI STATE CERTIFICATE OF AUTHORITY # 000842. EXPIRES 12/31/19		 LEON D. OSBOURN ENGINEER MO # 021726		REV DATE 0 01-11-19		INITIAL ISSUE LDO JT		DESCRIPTION DSN CHK LDO			
STREETS OF WEST PRYOR NWQ NW PRYOR RD & NW LOWENSTEIN DR LEE'S SUMMIT, MISSOURI PROJ. NO. A14_7067-1				DESIGNER LDO DRAWN BY JT/BKR				PUBLIC STREET PLANS EROSION CONTROL DETAIL SHEET REV 34 0			



EXTENSIVE REVISIONS

SCALE:
1"=20' HORIZ.
1"=5' VERT.

REV	DATE	DESCRIPTION	CHK
1	5-18-19	REVISED PER CITY COMMENTS	LDO
0	01-11-19	INITIAL ISSUE	JT
			LDO

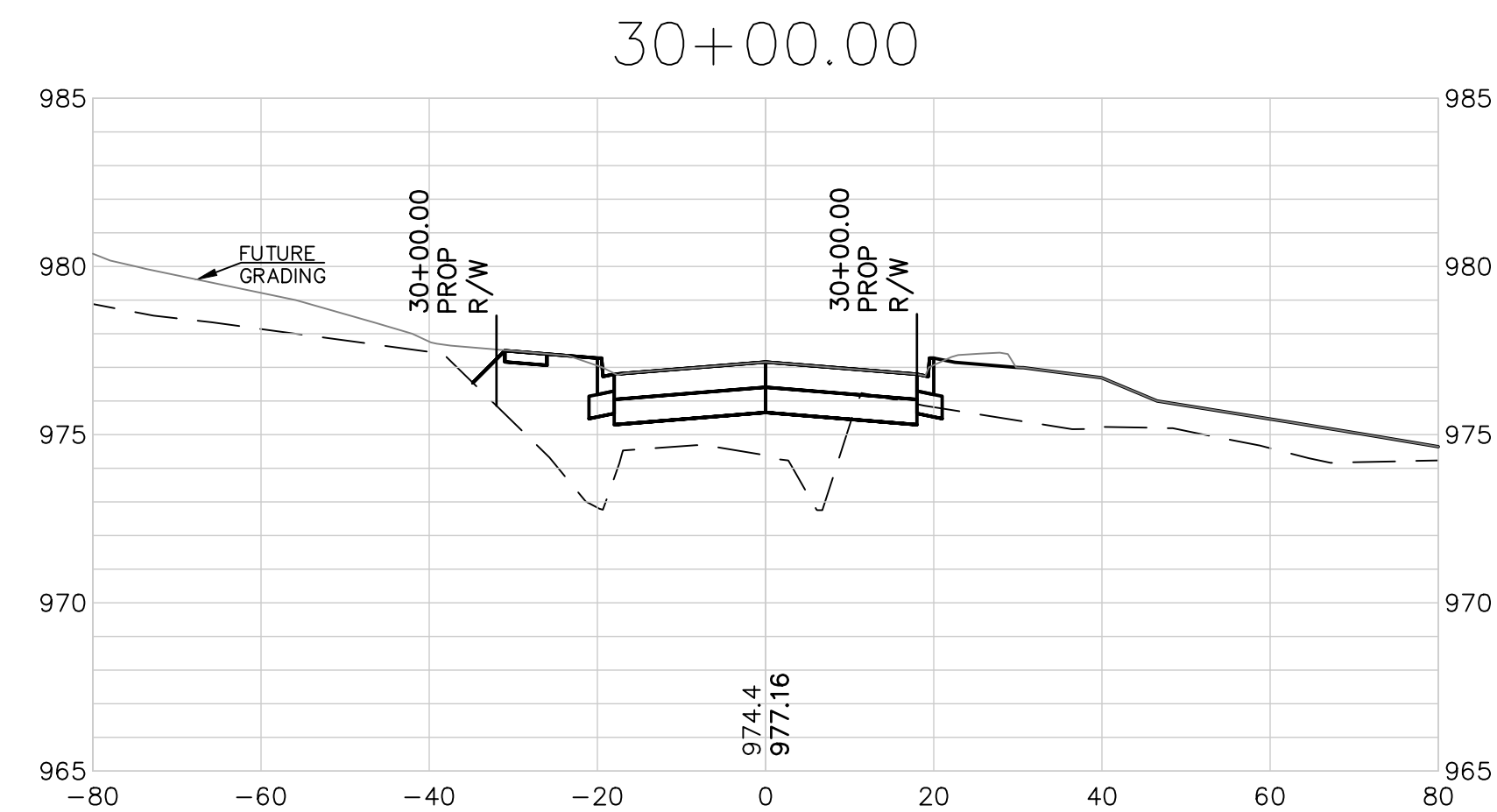
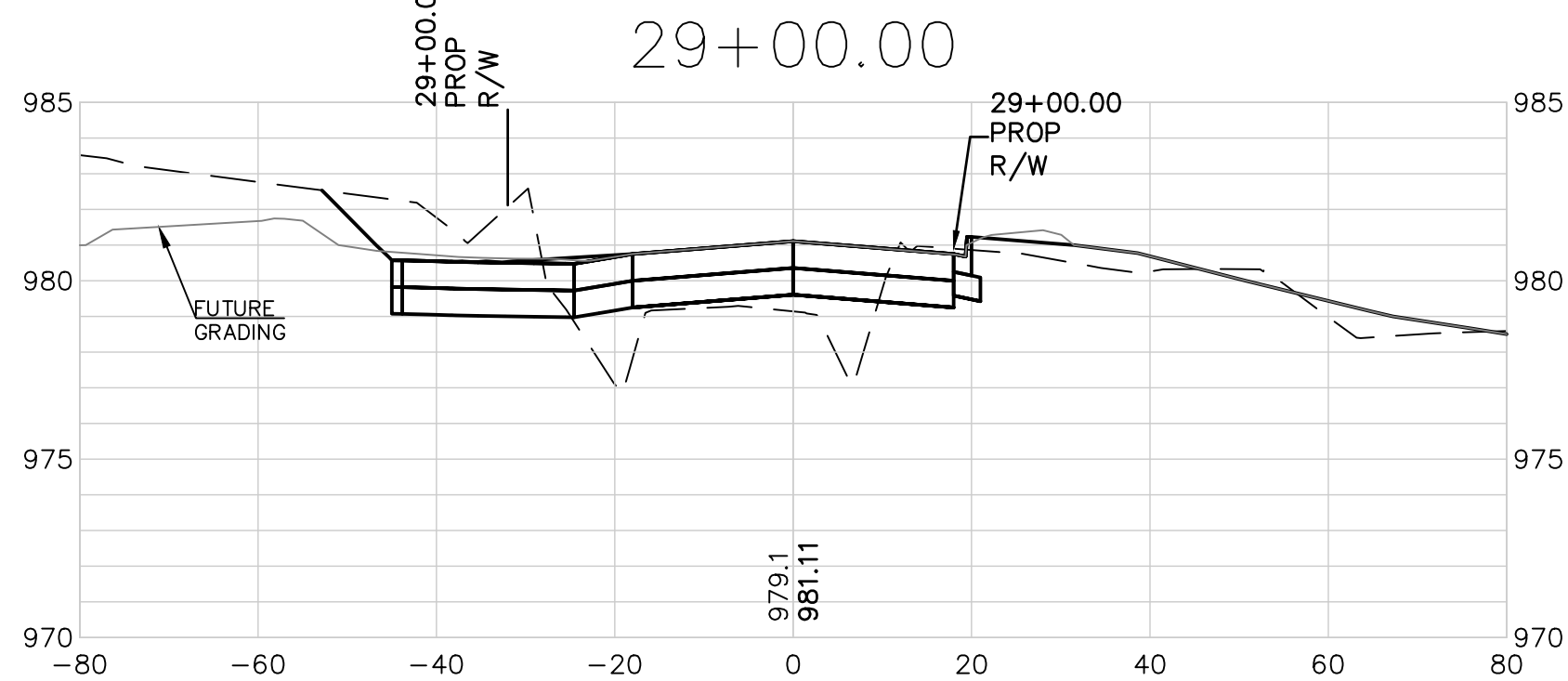
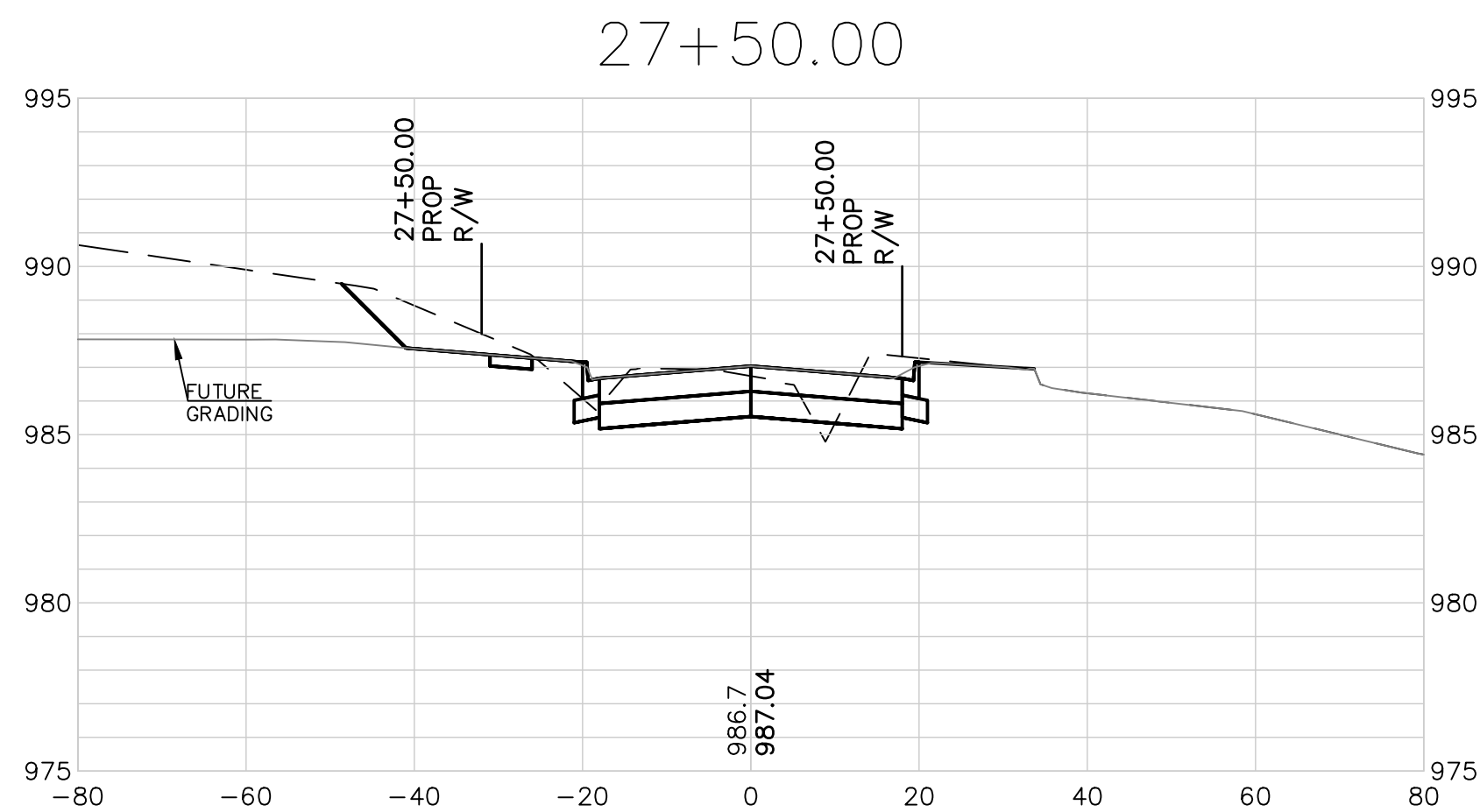
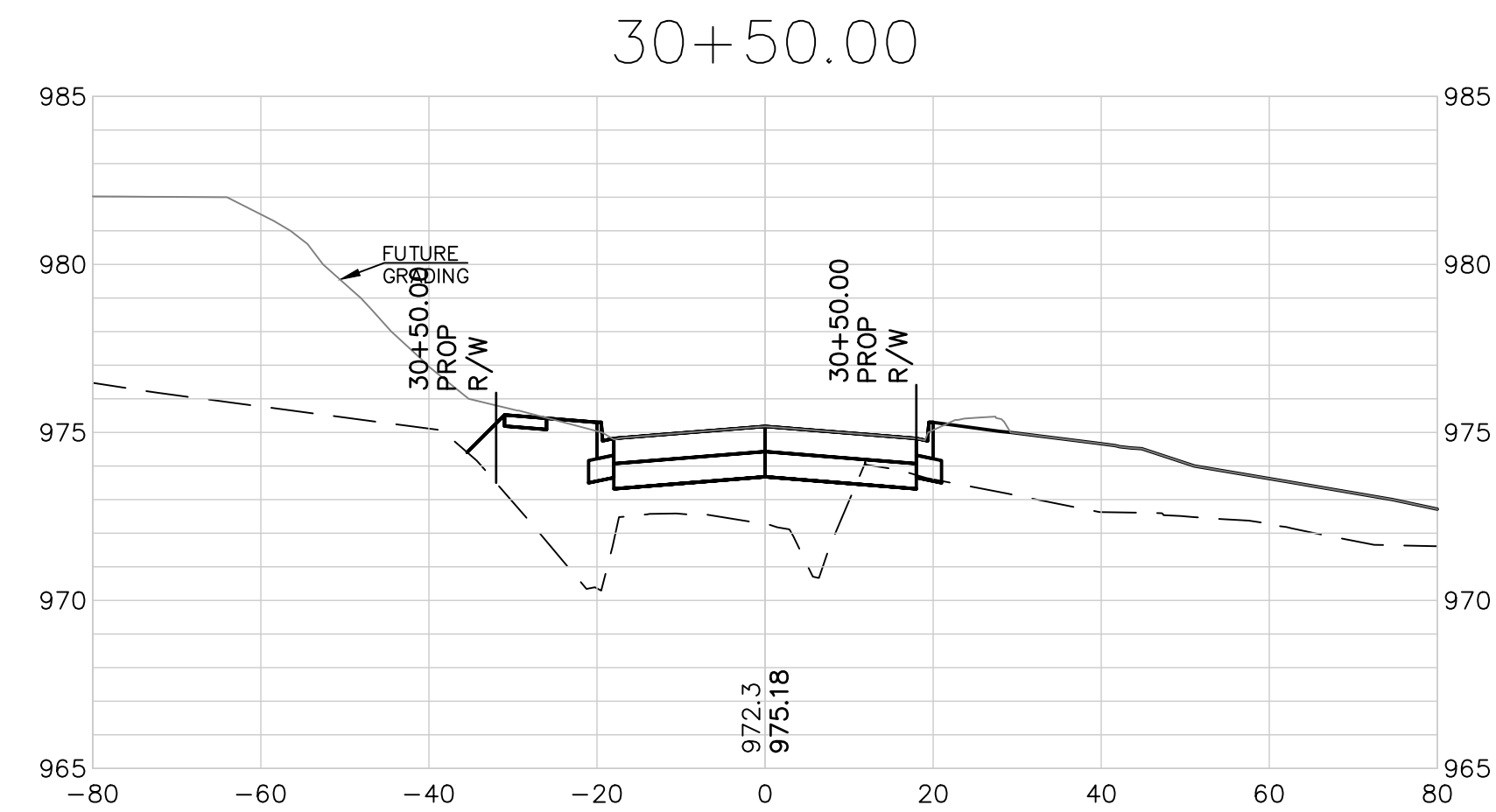
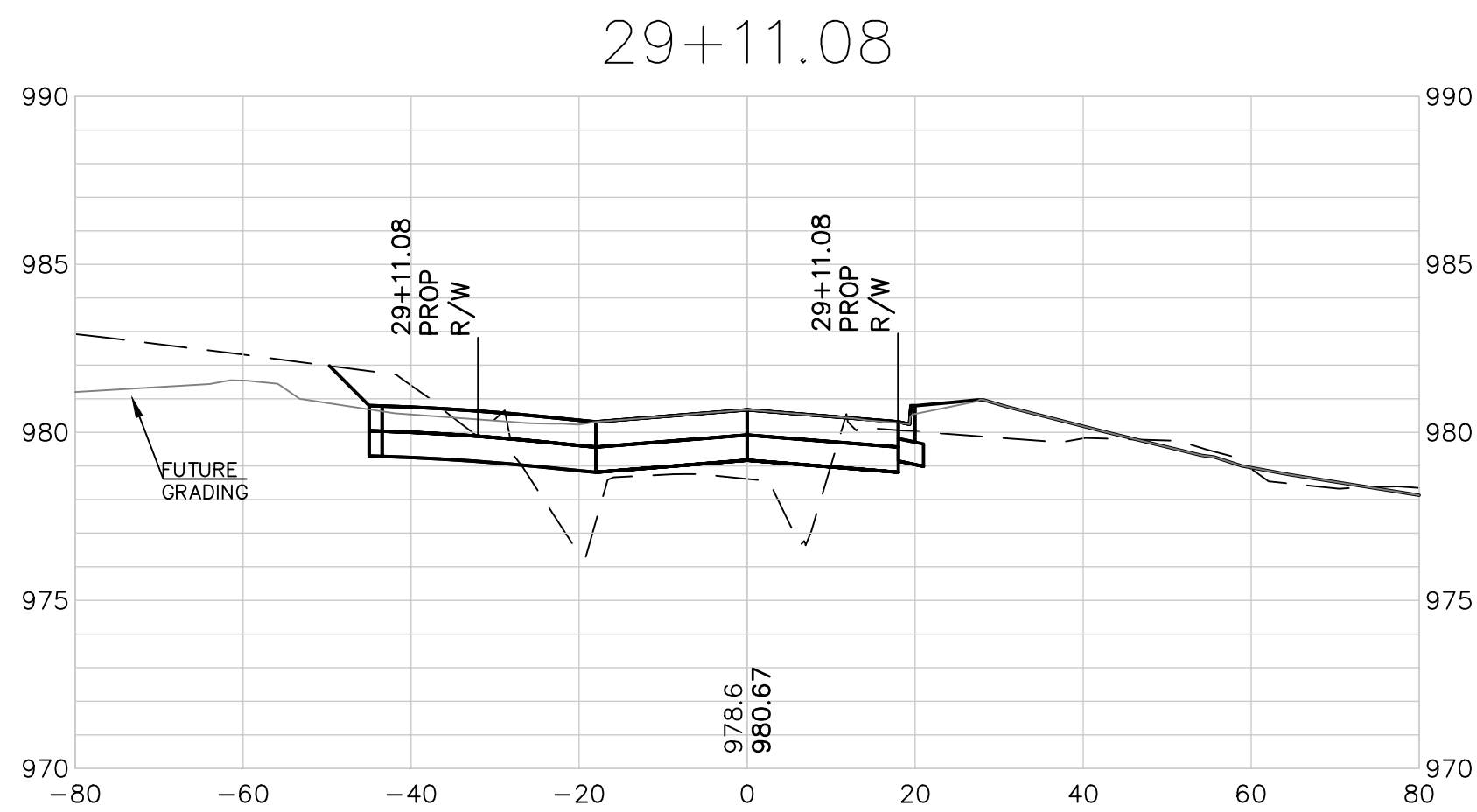
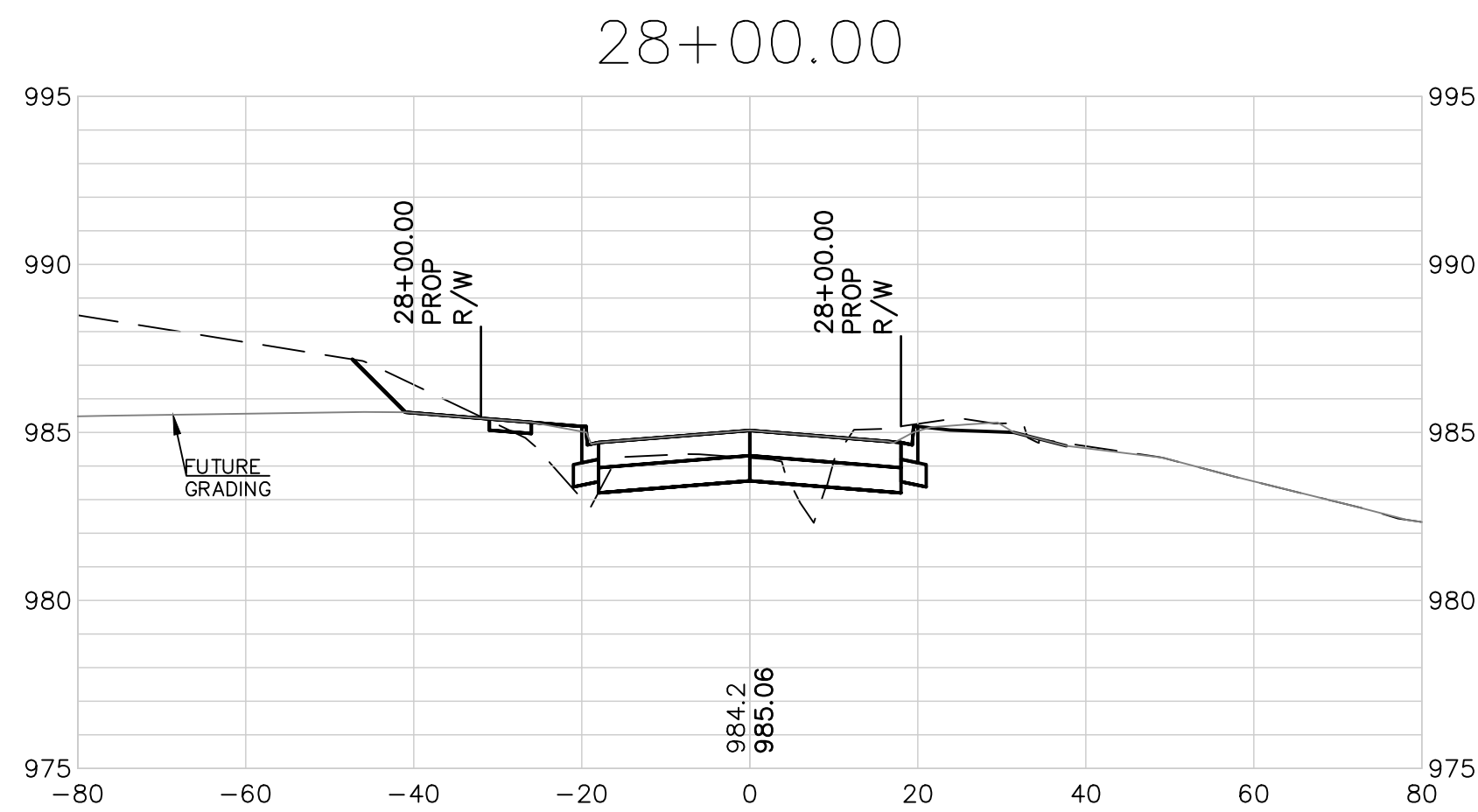
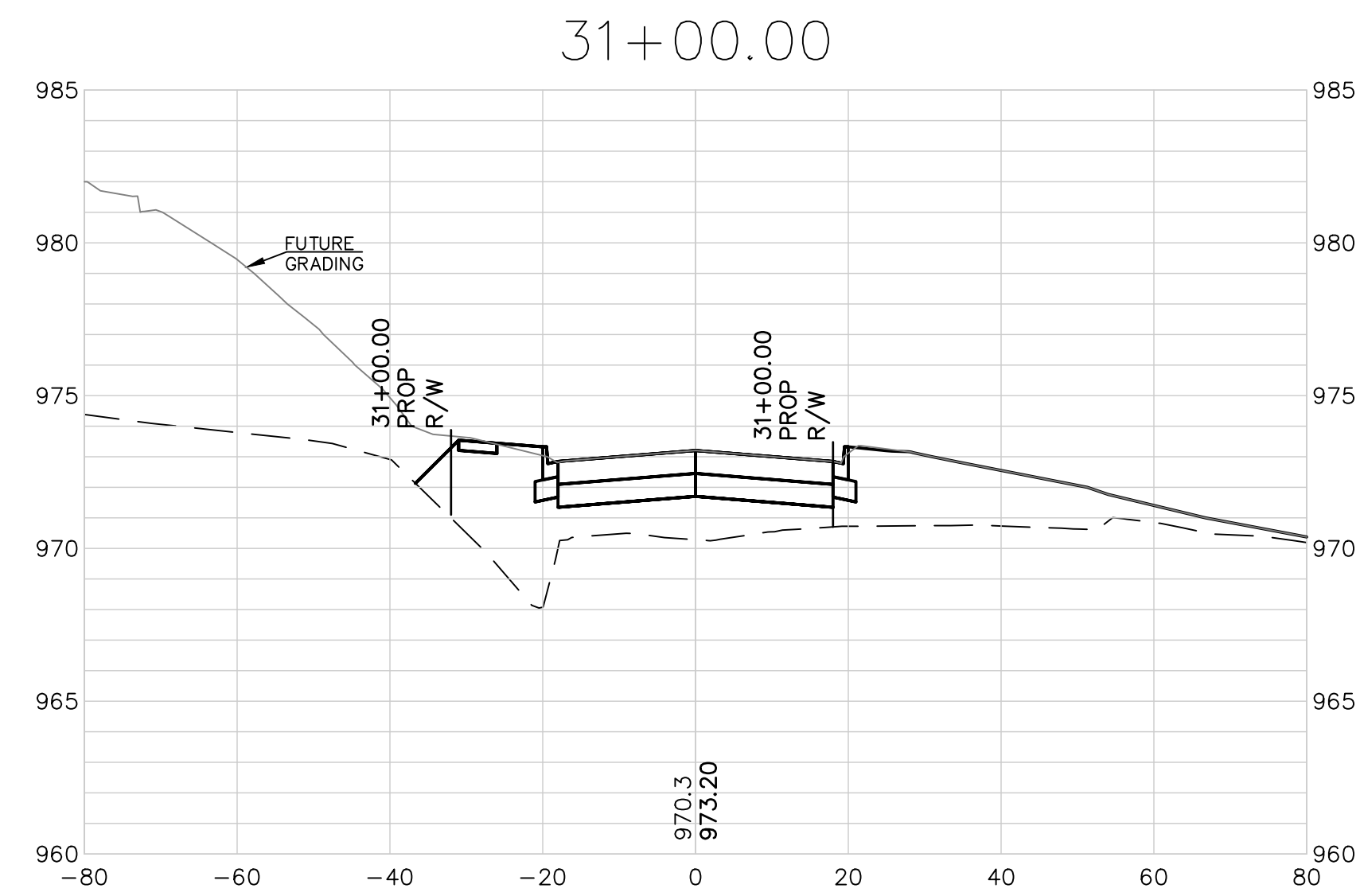
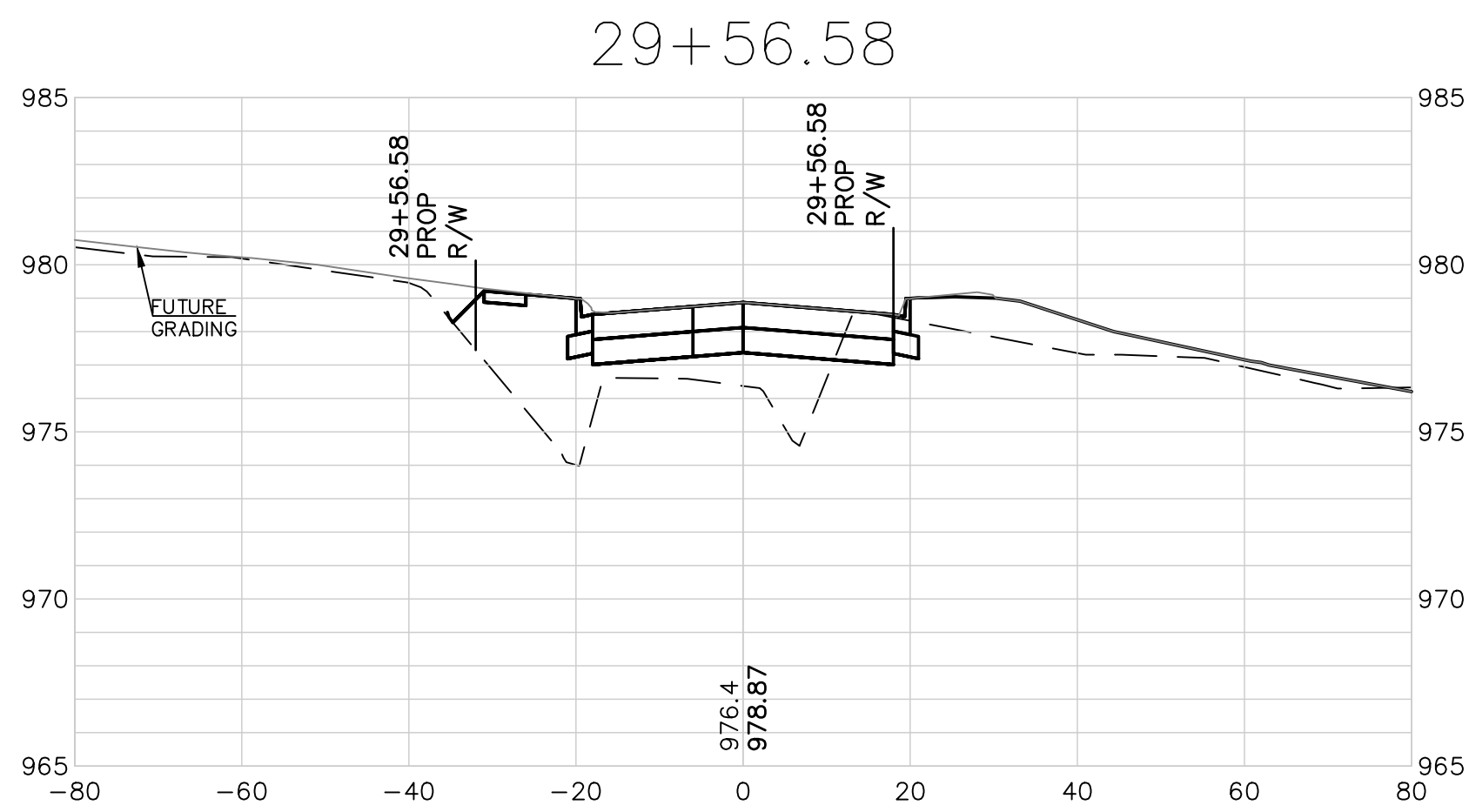
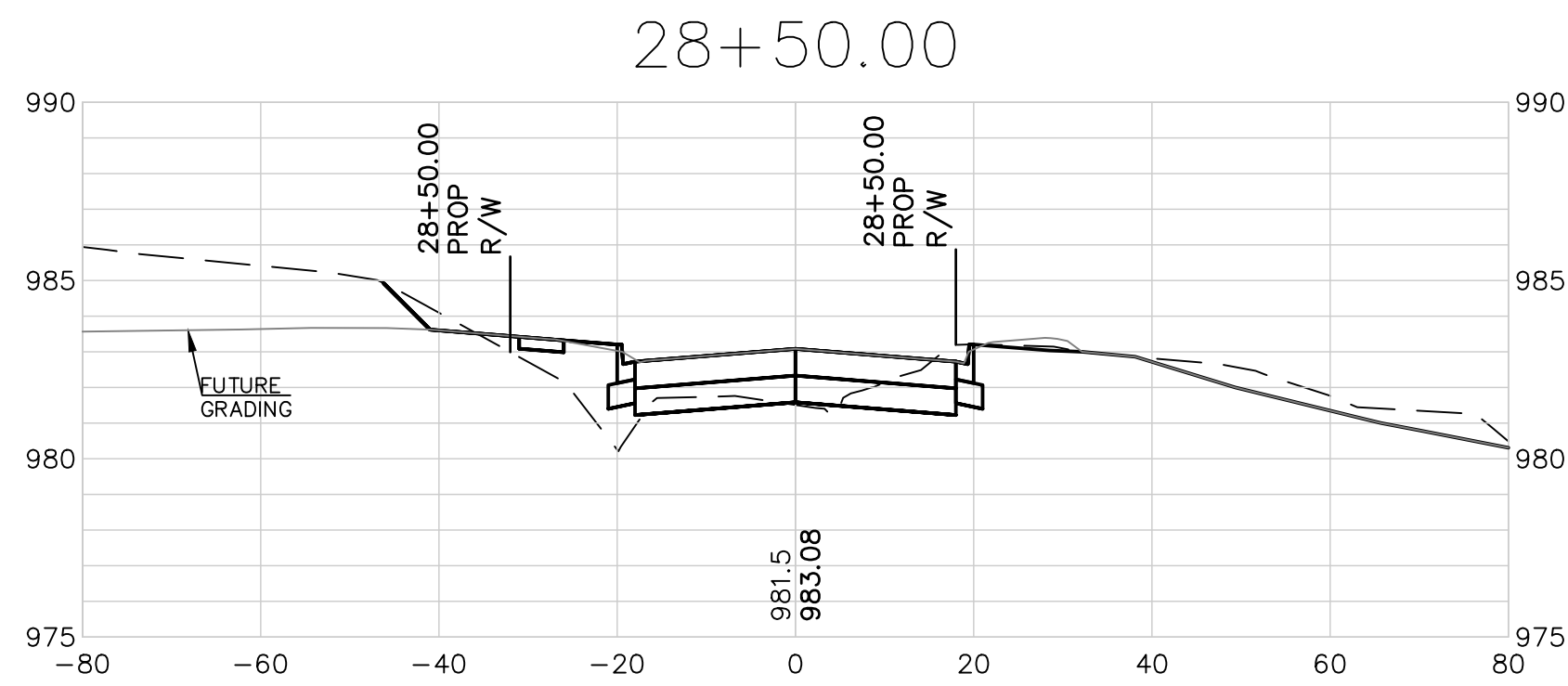


LEON D. OSBOURN
ENGINEER
MO # 021726

2319 N. JACKSON | P.O. BOX 1304
JUNCTION CITY, KANSAS 66441
PH. (785) 762-5040 | FAX (785) 762-7744
joe@kve.com | www.kve.com
KAW VALLEY ENGINEERING
KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES IN MISSOURI STATE CERTIFICATE OF AUTHORITY # 000842.
EXPIRES 12/31/19

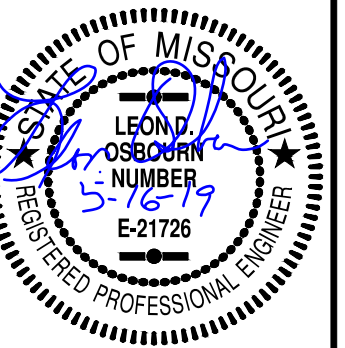
STREETS OF WEST PRYOR
NW Q NW PRYOR RD & NW LOWENSTEIN DR
LEE'S SUMMIT, MISSOURI
PUBLIC STREET PLANS
NW LOWENSTEIN DRIVE - CROSS SECTIONS

PROJ. NO.	A14-7067-1
DESIGNER	LDO
DRAWN BY	JT/BKR
CFN	7067-1PI-STPP
SHEET	36
REV	1



EXTENSIVE REVISIONS

SCALE:
1"=20' HORIZ.
1"=5' VERT.



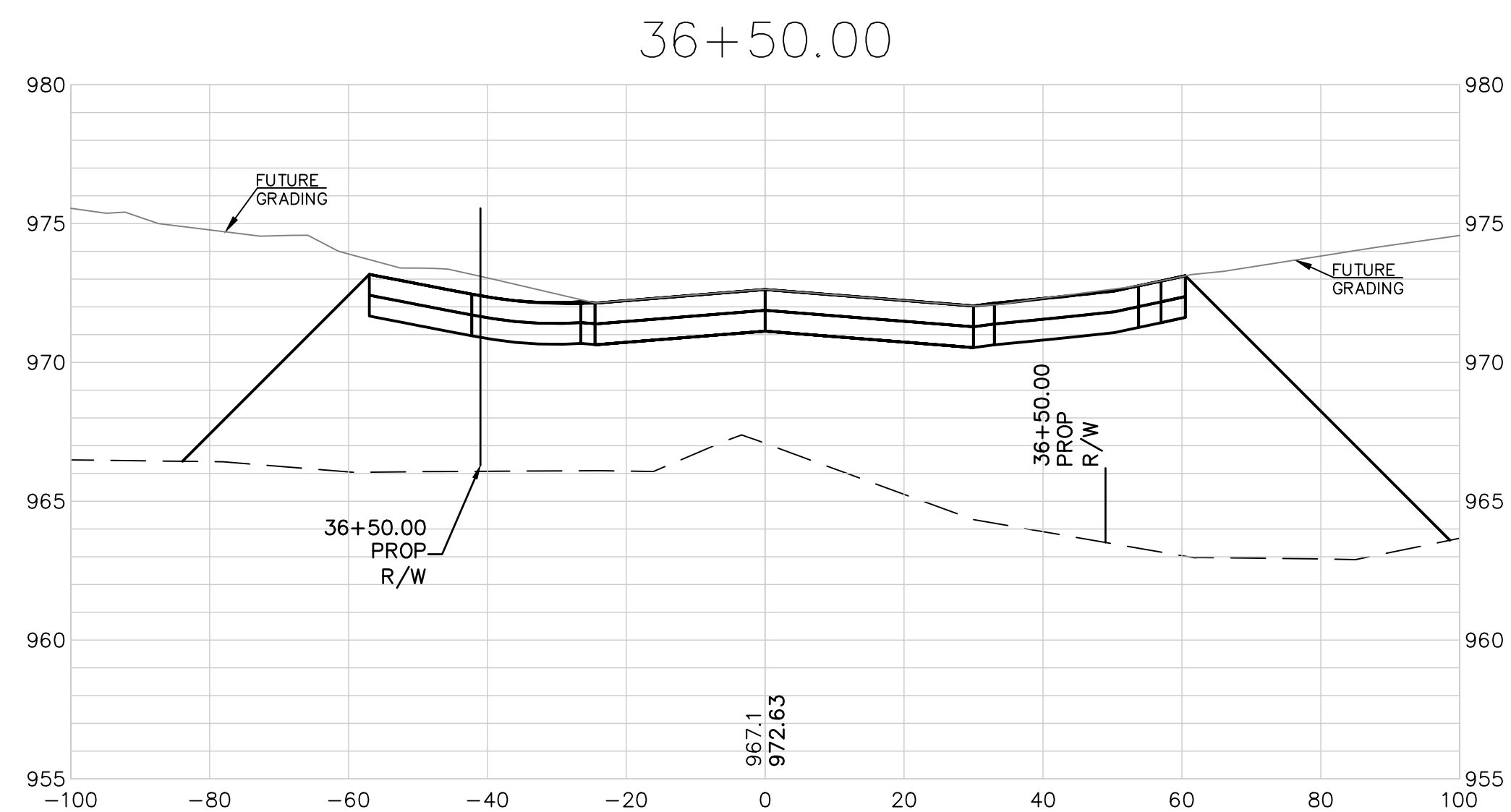
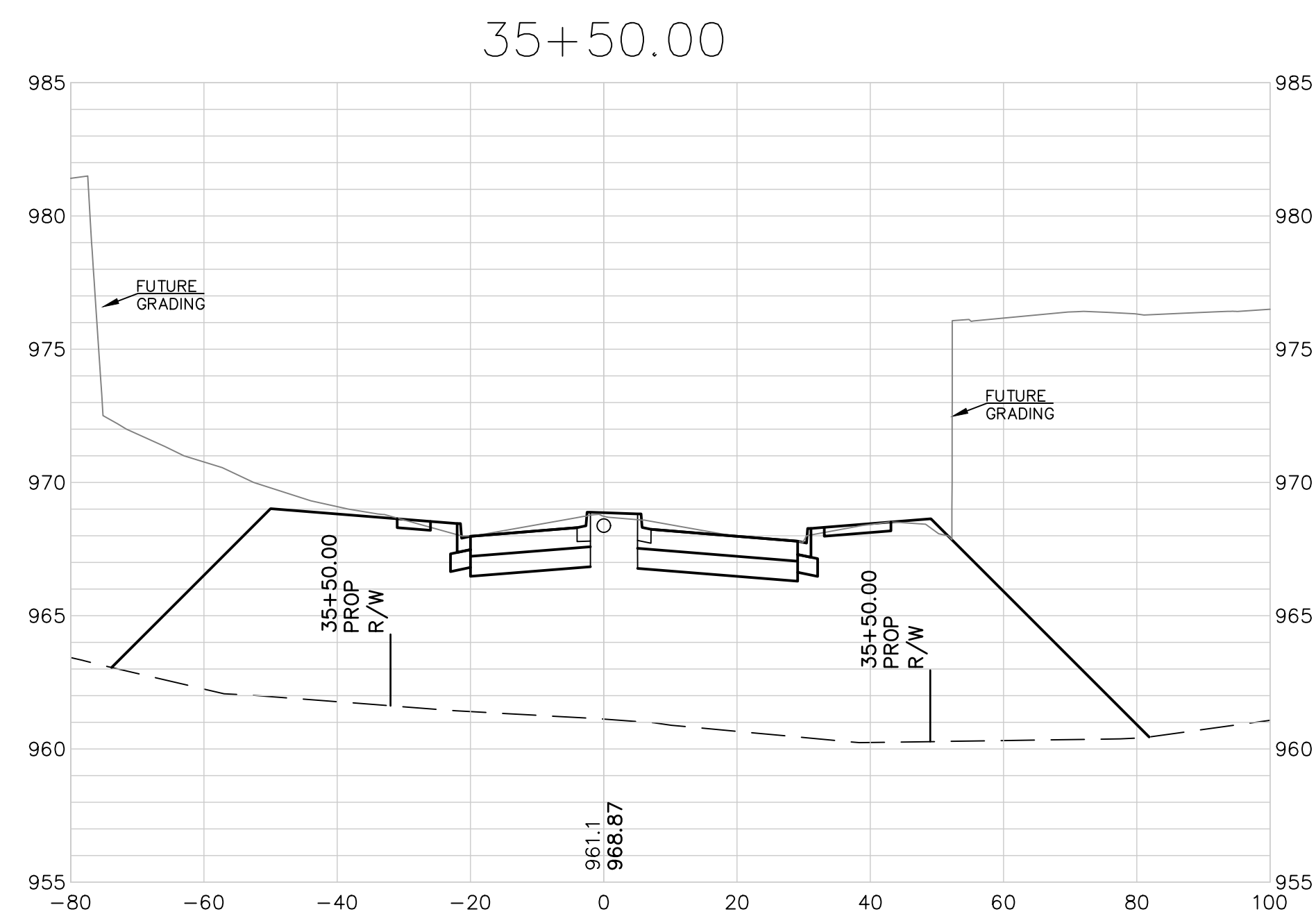
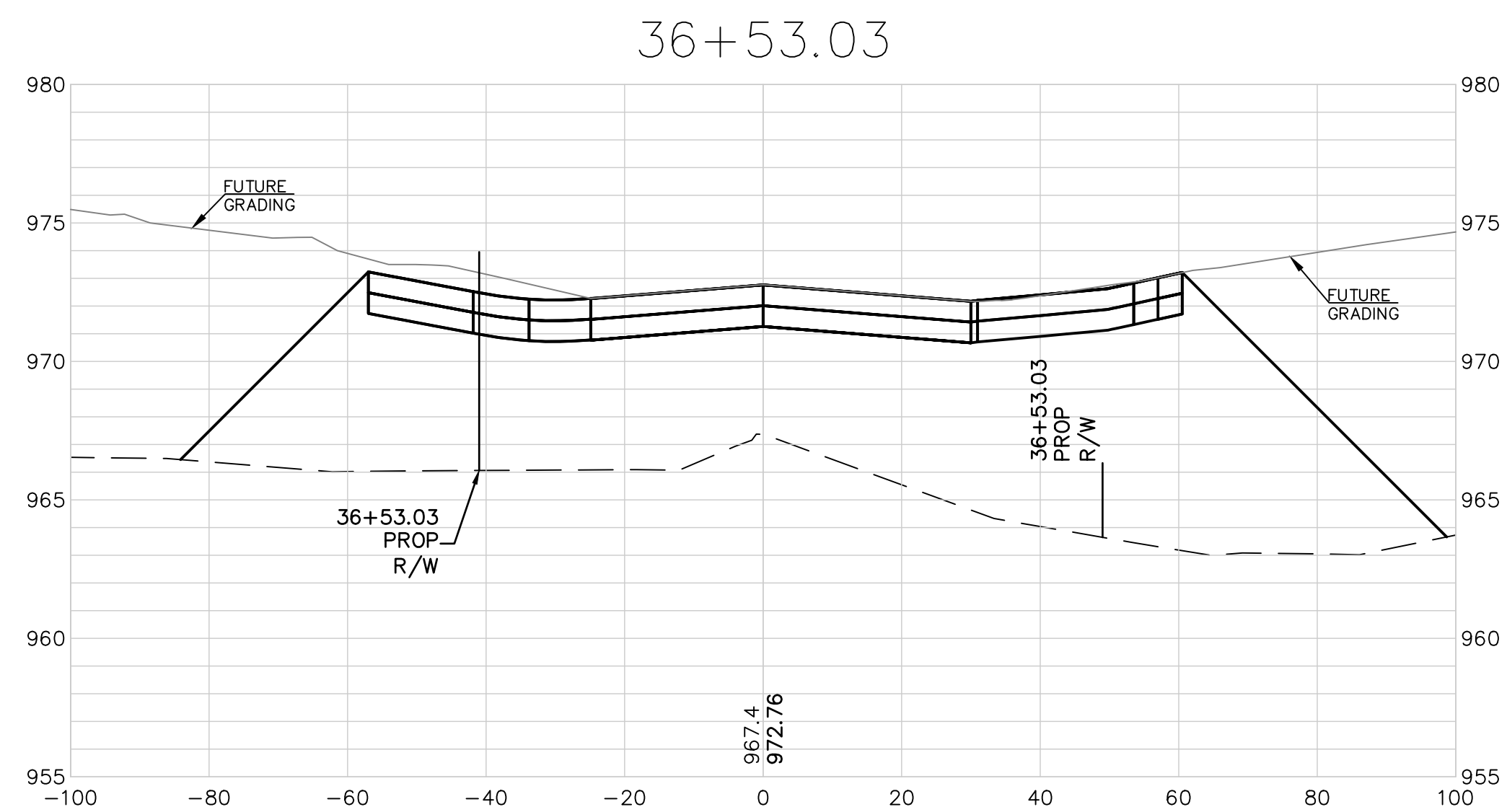
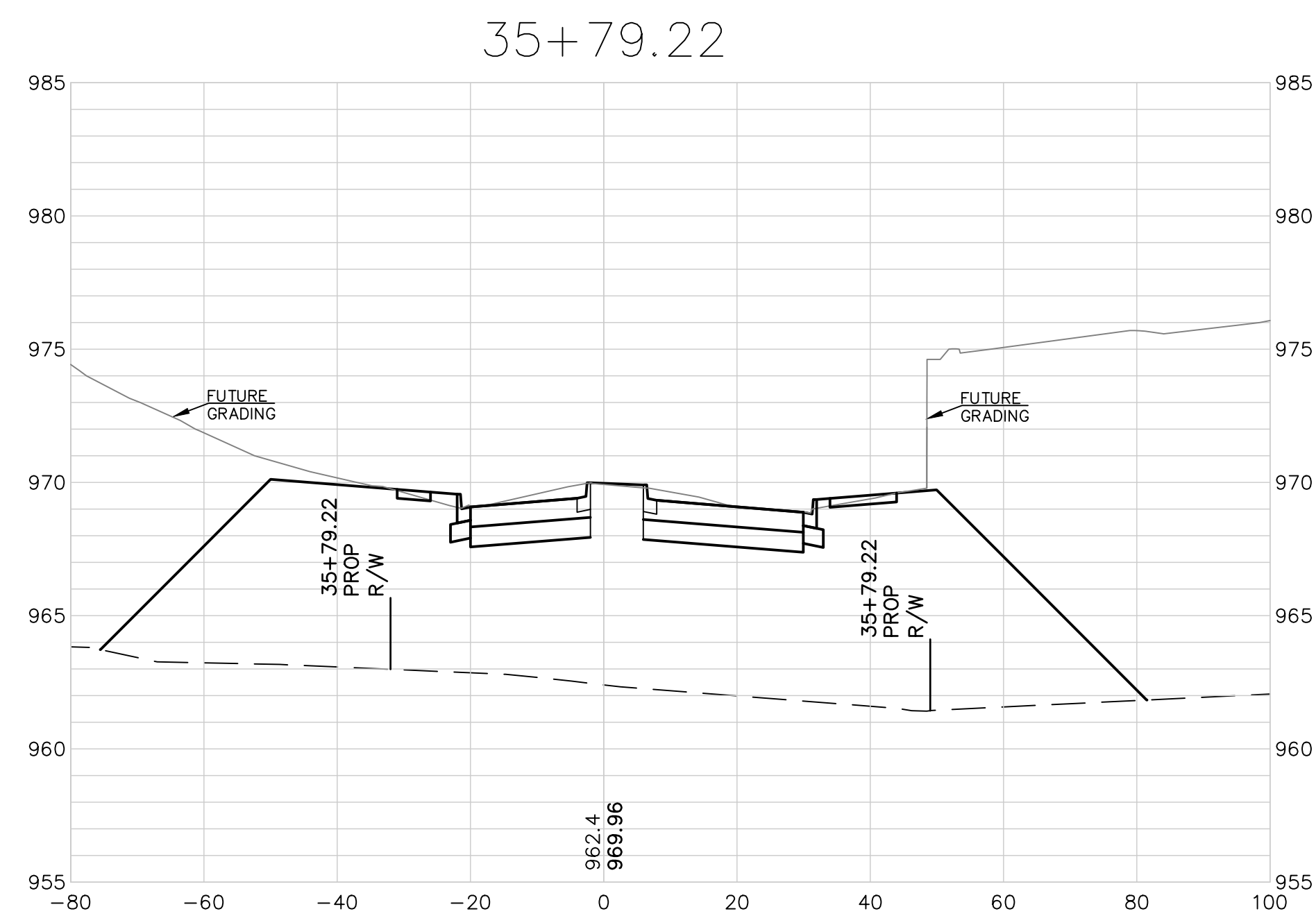
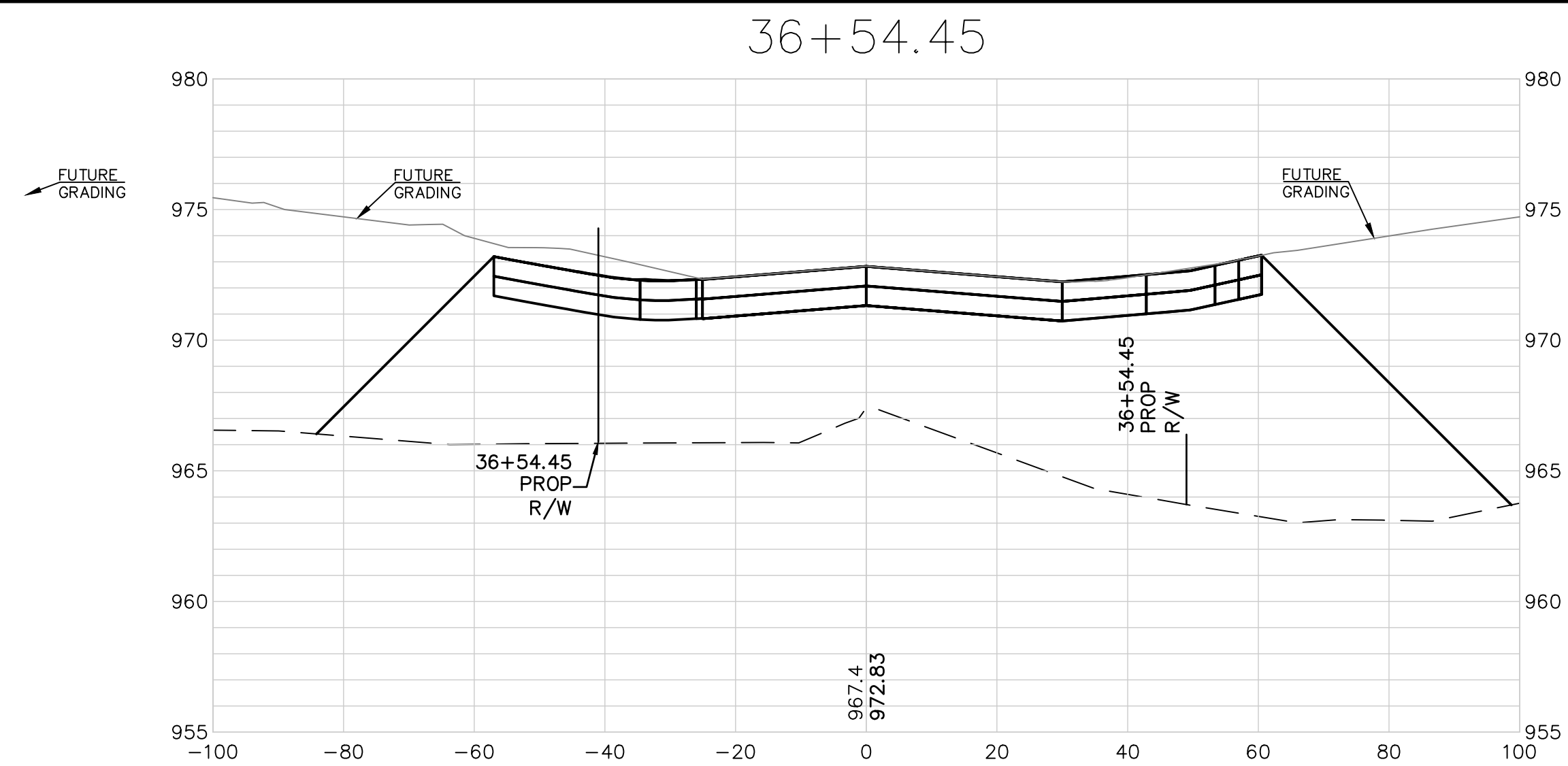
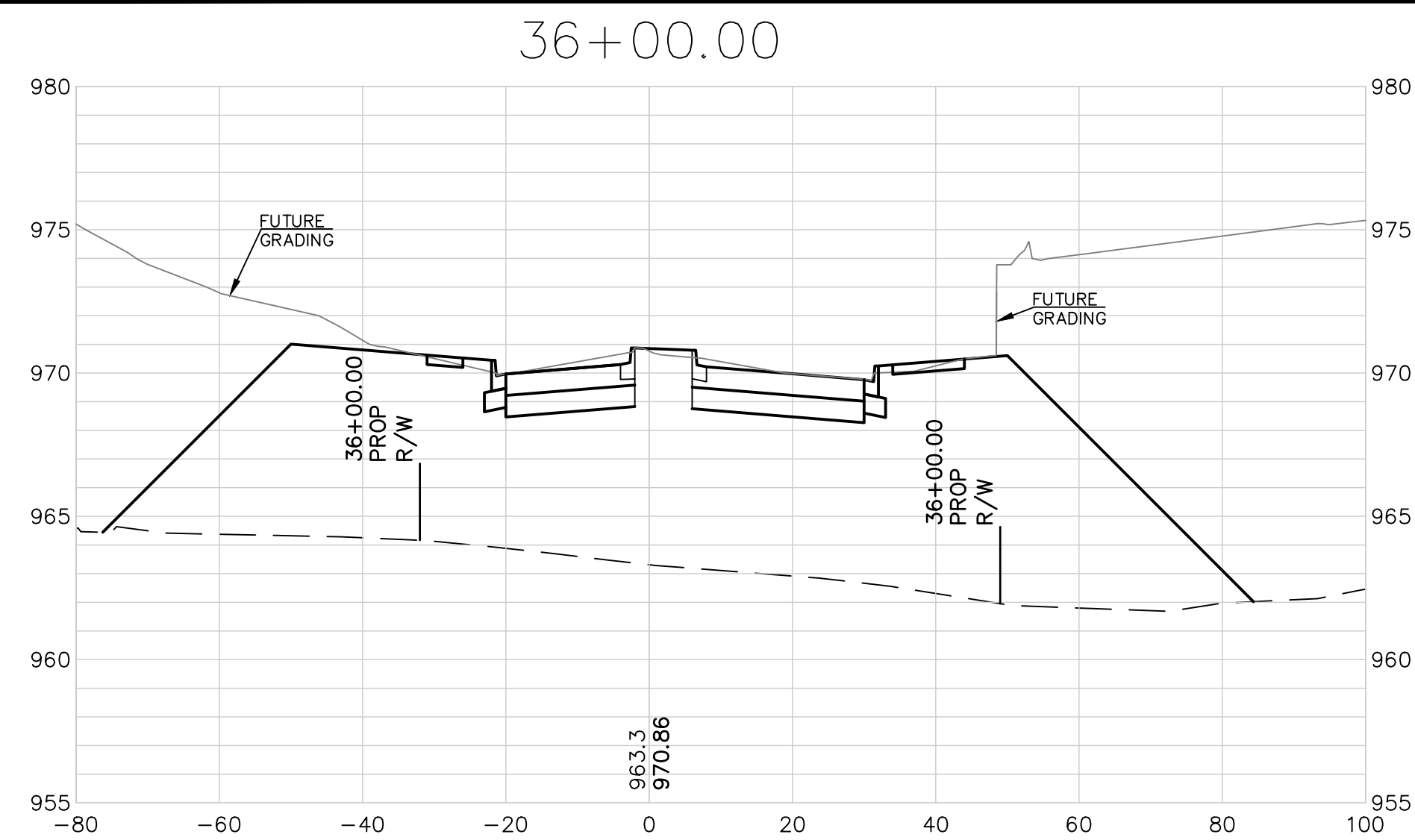
LEON D. OSBOURN
ENGINEER
MO # 021726

2319 N. JACKSON | P.O. BOX 1304
JUNCTION CITY, KANSAS 66441
PH. (785) 762-5040 | FAX (785) 762-7744
joe@kve.com | www.kve.com
KAW VALLEY ENGINEERING
KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING
SERVICES IN MISSOURI STATE CERTIFICATE OF AUTHORITY # 000842.
EXPIRES 12/31/19

STREETS OF WEST PRYOR
NWQ NW PRYOR RD & NW LOWENSTEIN DR
LEE'S SUMMIT, MISSOURI
PUBLIC STREET PLANS
NW LOWENSTEIN DRIVE - CROSS SECTIONS

PROJ. NO.	A14-7067-1	
DESIGNER	LDO	DRAWN BY JT/BKR
CFN	7067-1PI-STPP	
SHEET	37	REV 1

REV	DATE	DESCRIPTION	DSN	DWN	CHK
1	5-18-19	REVISED PER CITY COMMENTS	LDO	JT	LDO
0	01-11-19	INITIAL ISSUE	LDO	JT	LDO

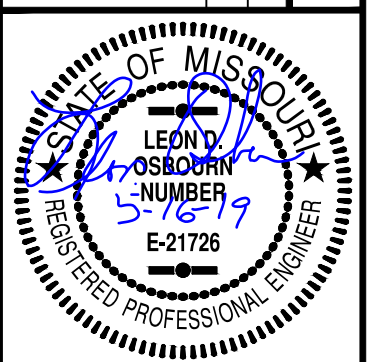


NOTE: FINISH GROUND
ELEVATION REPORTED AT
CENTERLINE IS TO TOP OF
MEDIAN WHEN PRESENT.
CONSULT THE VERTICAL PROFILE
FOR PROFILE GRADE ELEVATIONS.

EXTENSIVE REVISIONS

SCALE:
1"=20' HORIZ.
1"=5' VERT.

REV	DATE	DESCRIPTION	DSN	DWN	CHK
1	5-16-19	REVISED PER CITY COMMENTS	LDO	JT	LDO
0	01-11-19	INITIAL ISSUE	LDO	JT	LDO



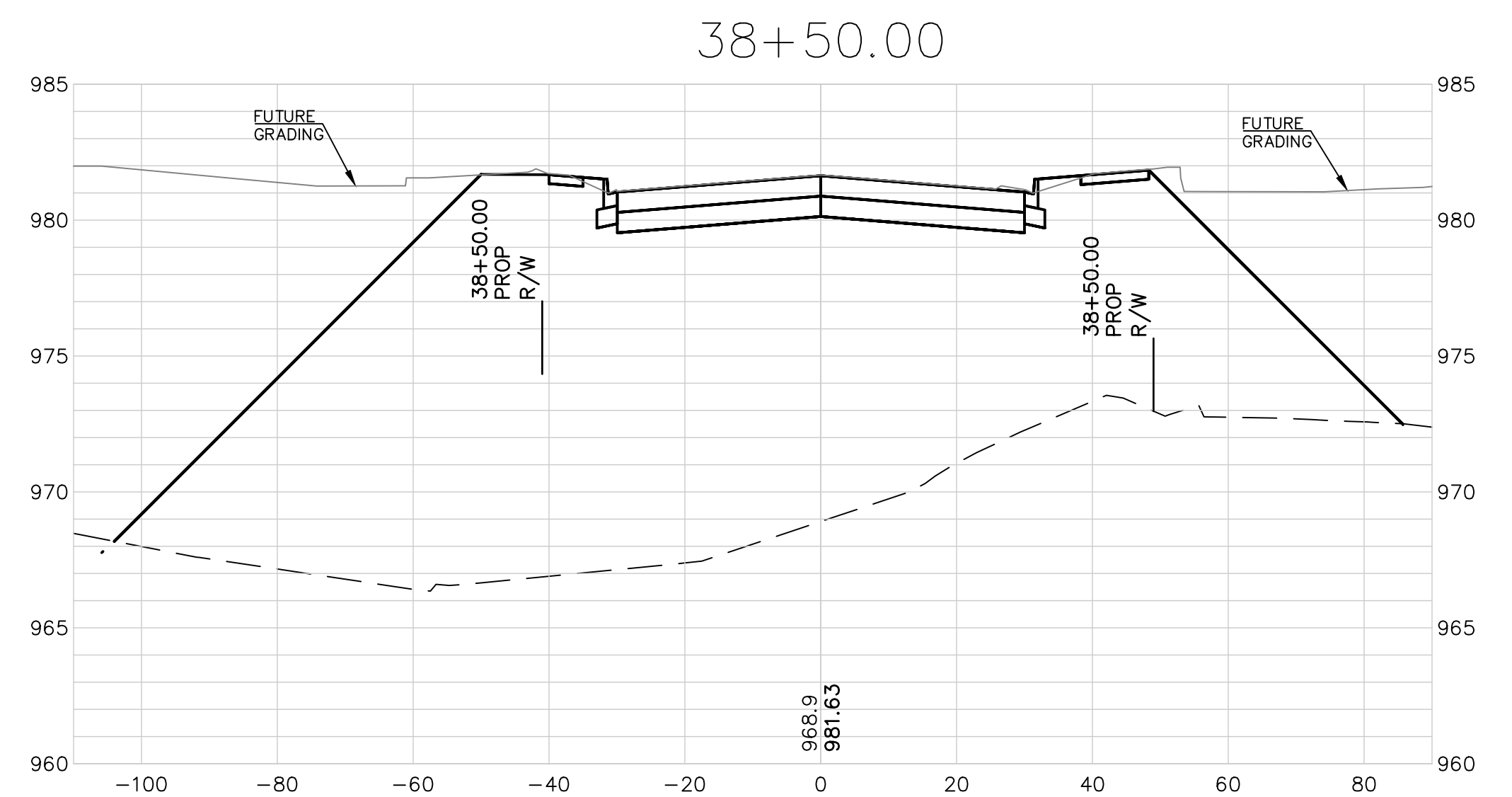
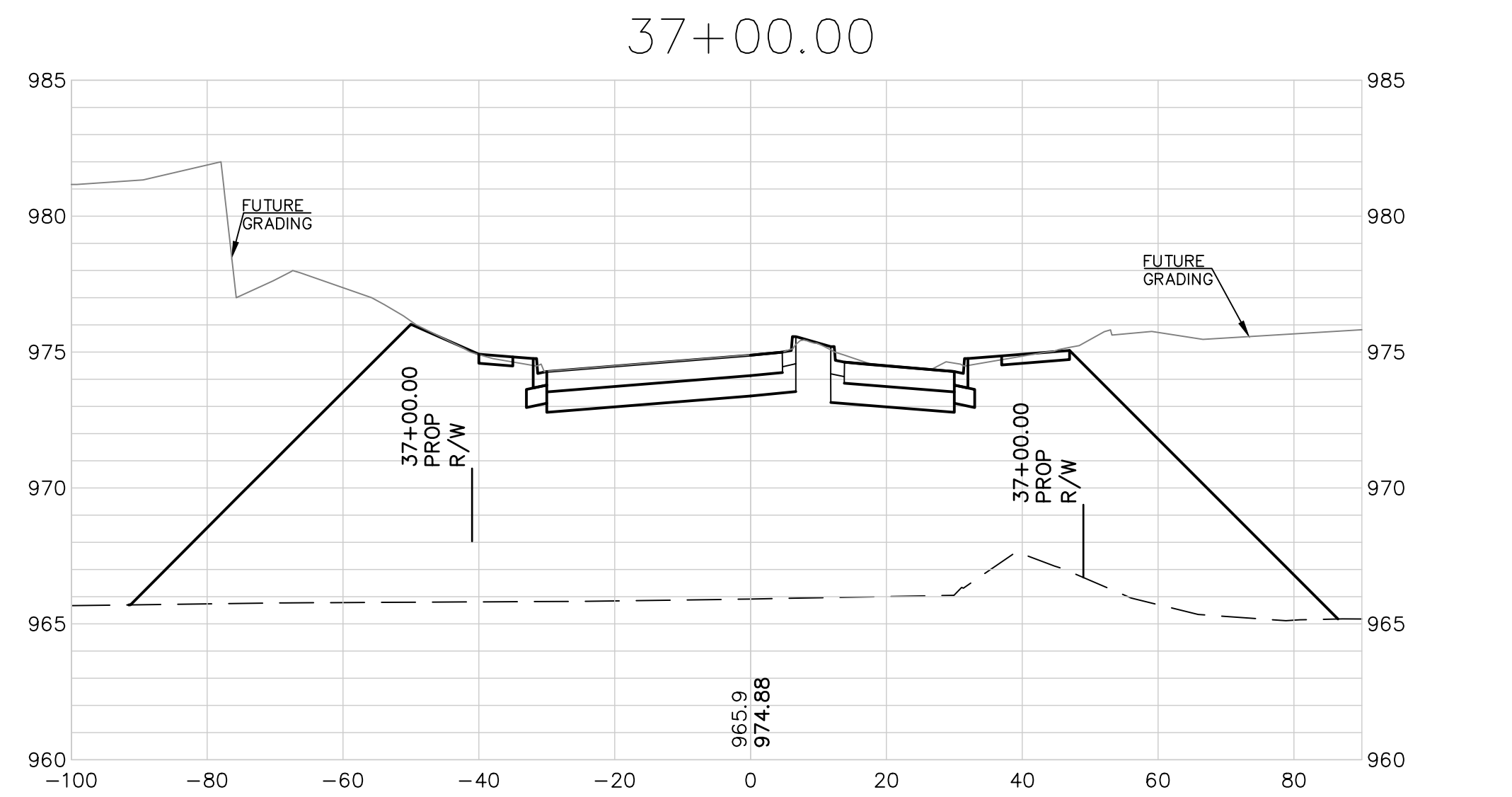
LEON D. OSBOURN
ENGINEER
MO # 021726


KAW VALLEY ENGINEERING
 KAW VALLEY ENGINEERING, INC., IS AUTHORIZED TO OFFER ENGINEERING
 SERVICES BY MISSOURI STATE CERTIFICATE OF AUTHORITY # 000842.
 EXPIRES 12/31/19

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

PUBLIC STREET PLANS
NW LOWENSTEIN DRIVE - CROSS SECTIONS

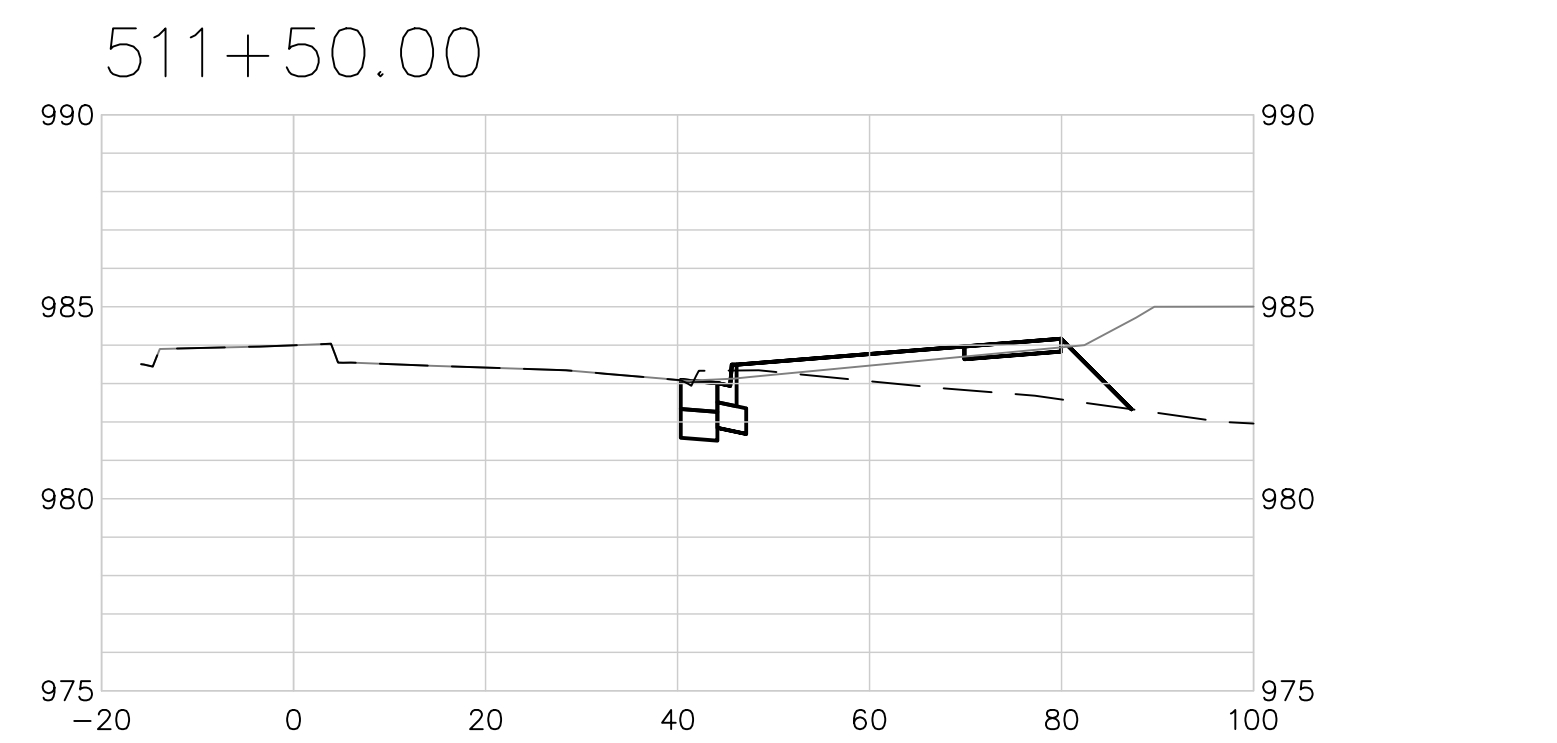
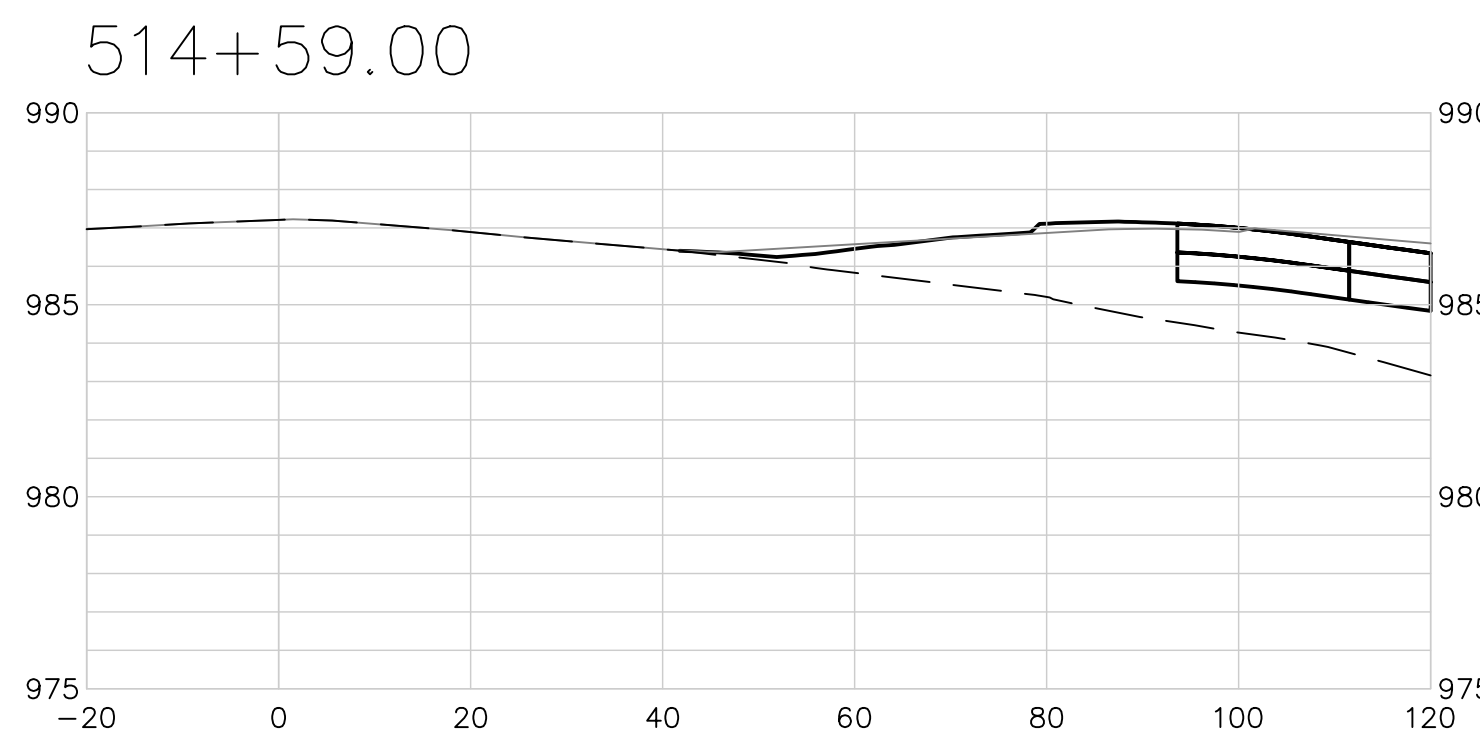
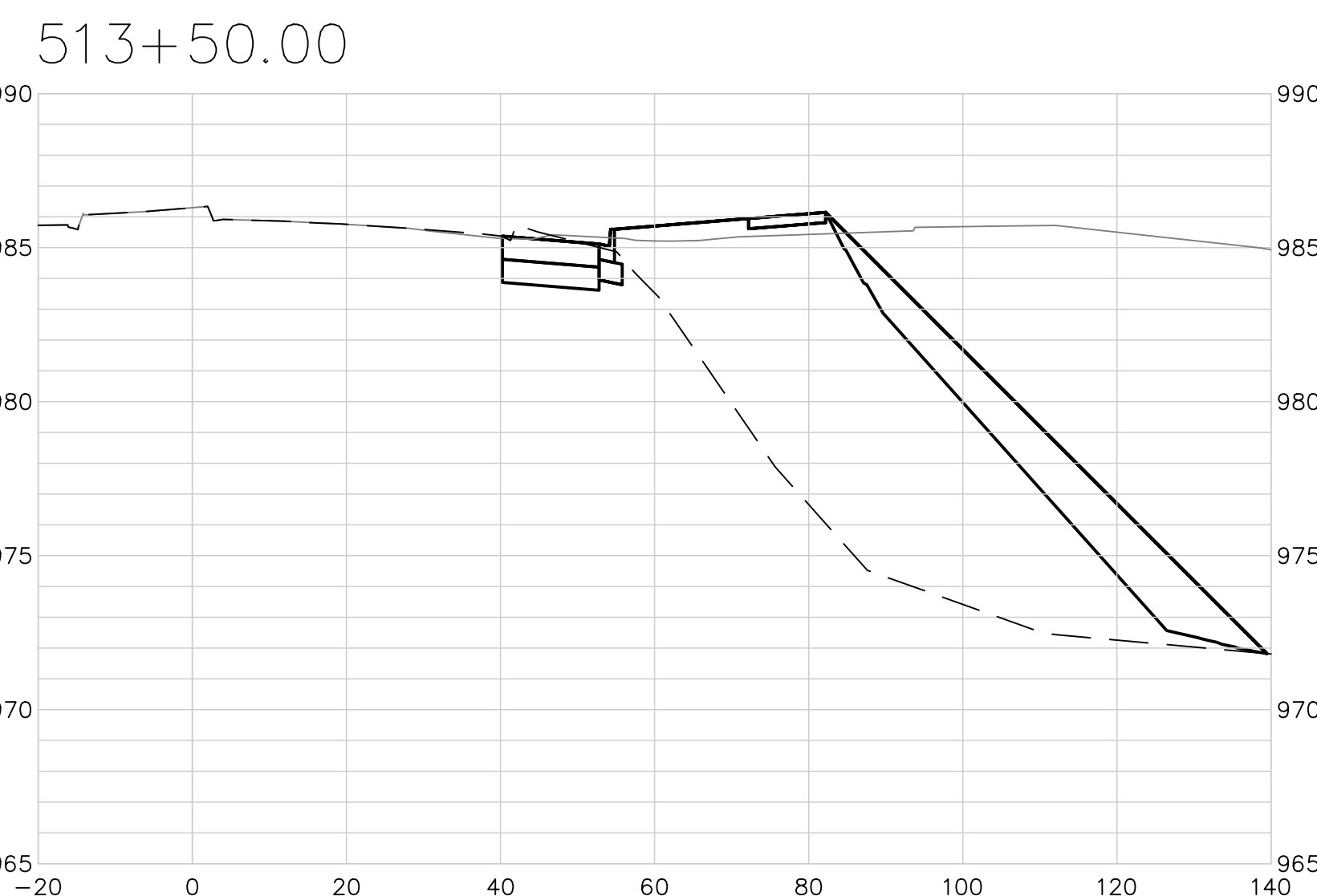
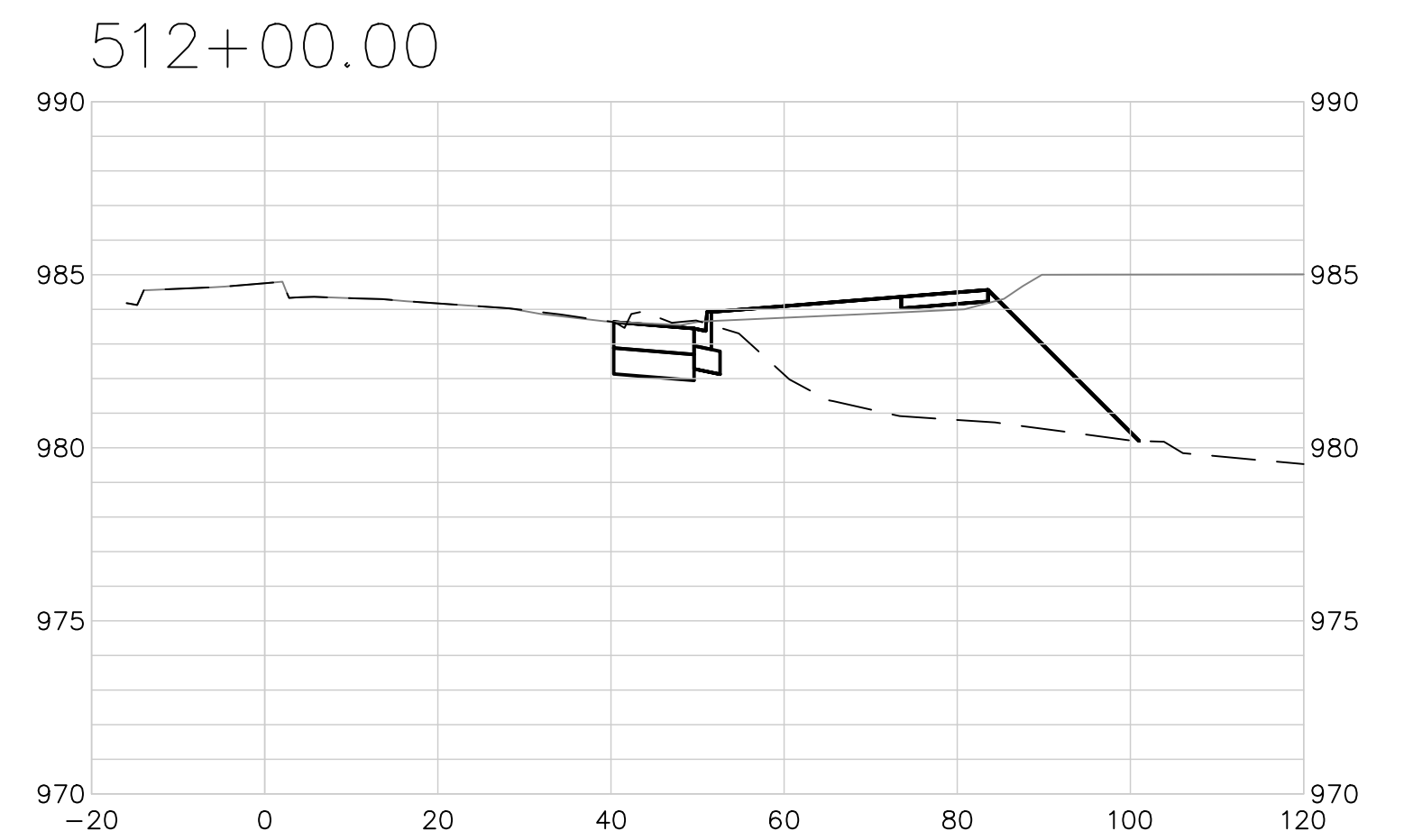
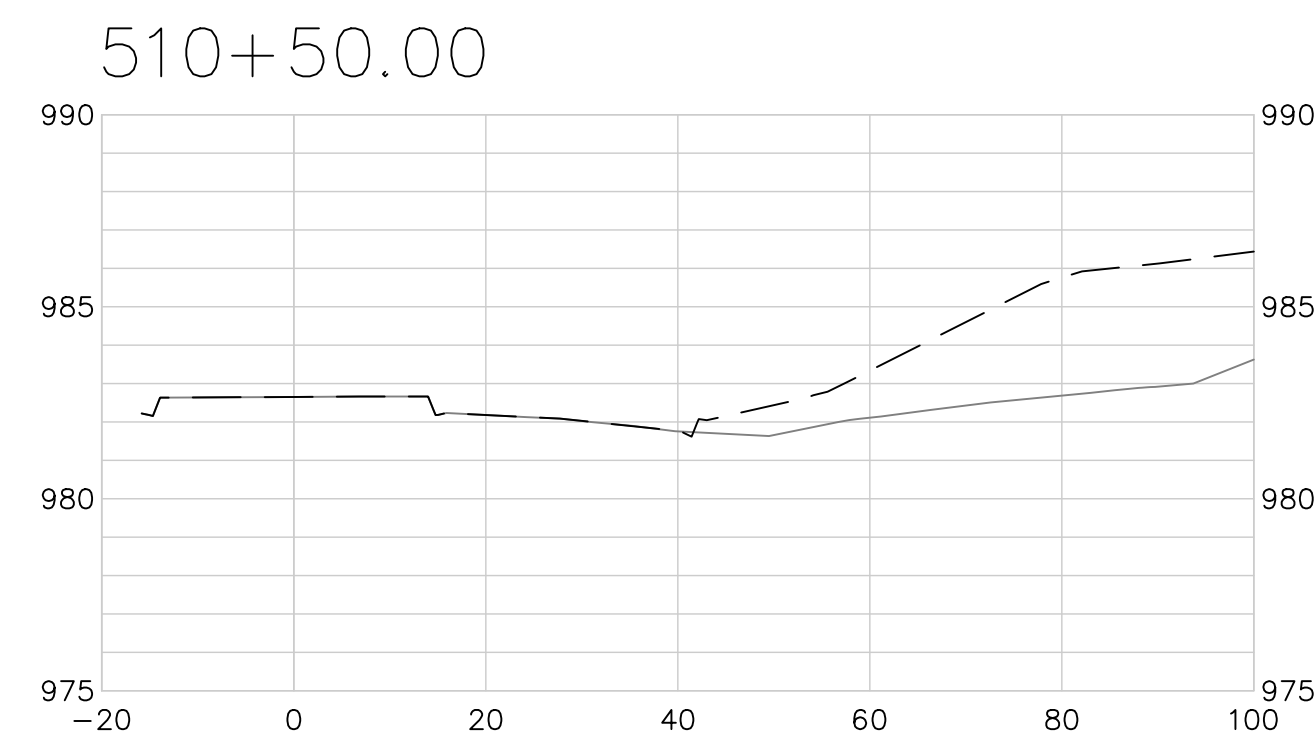
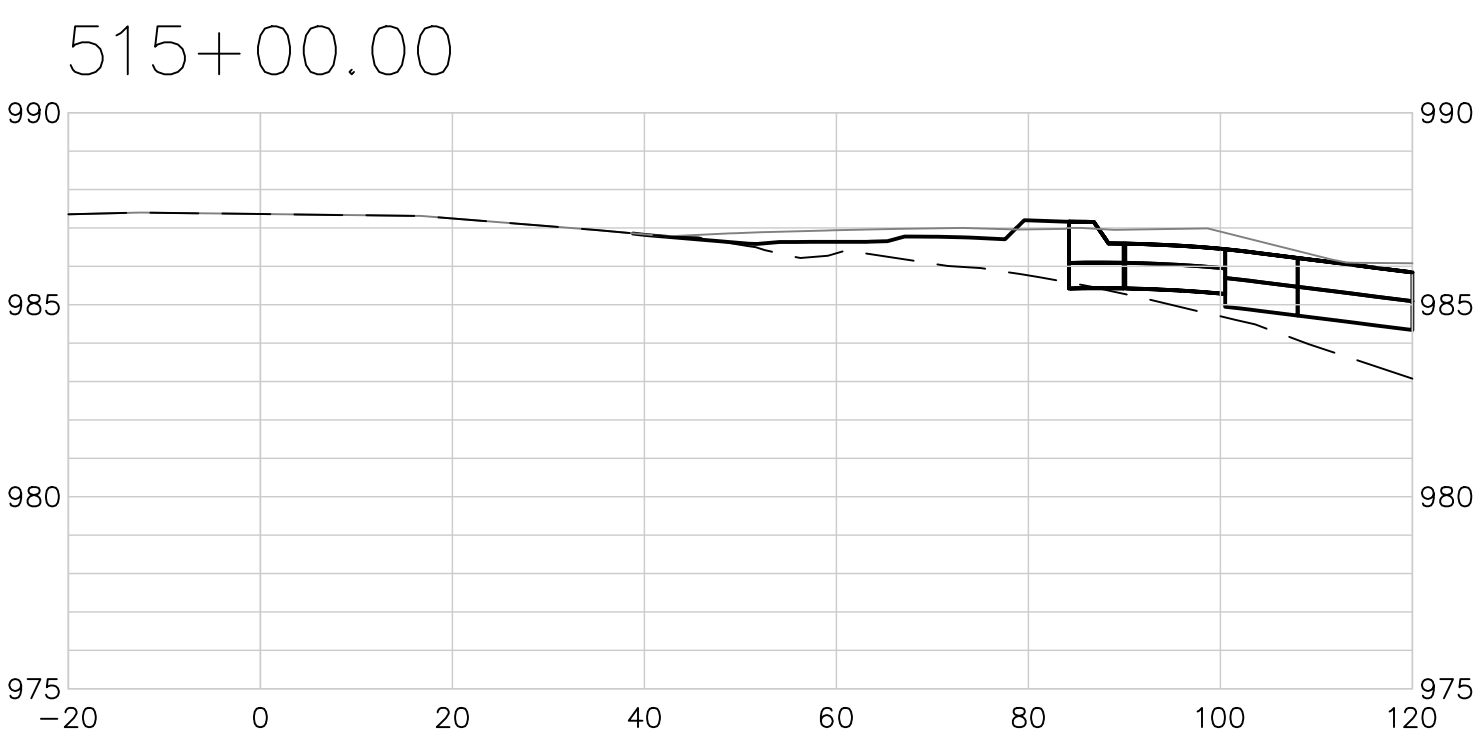
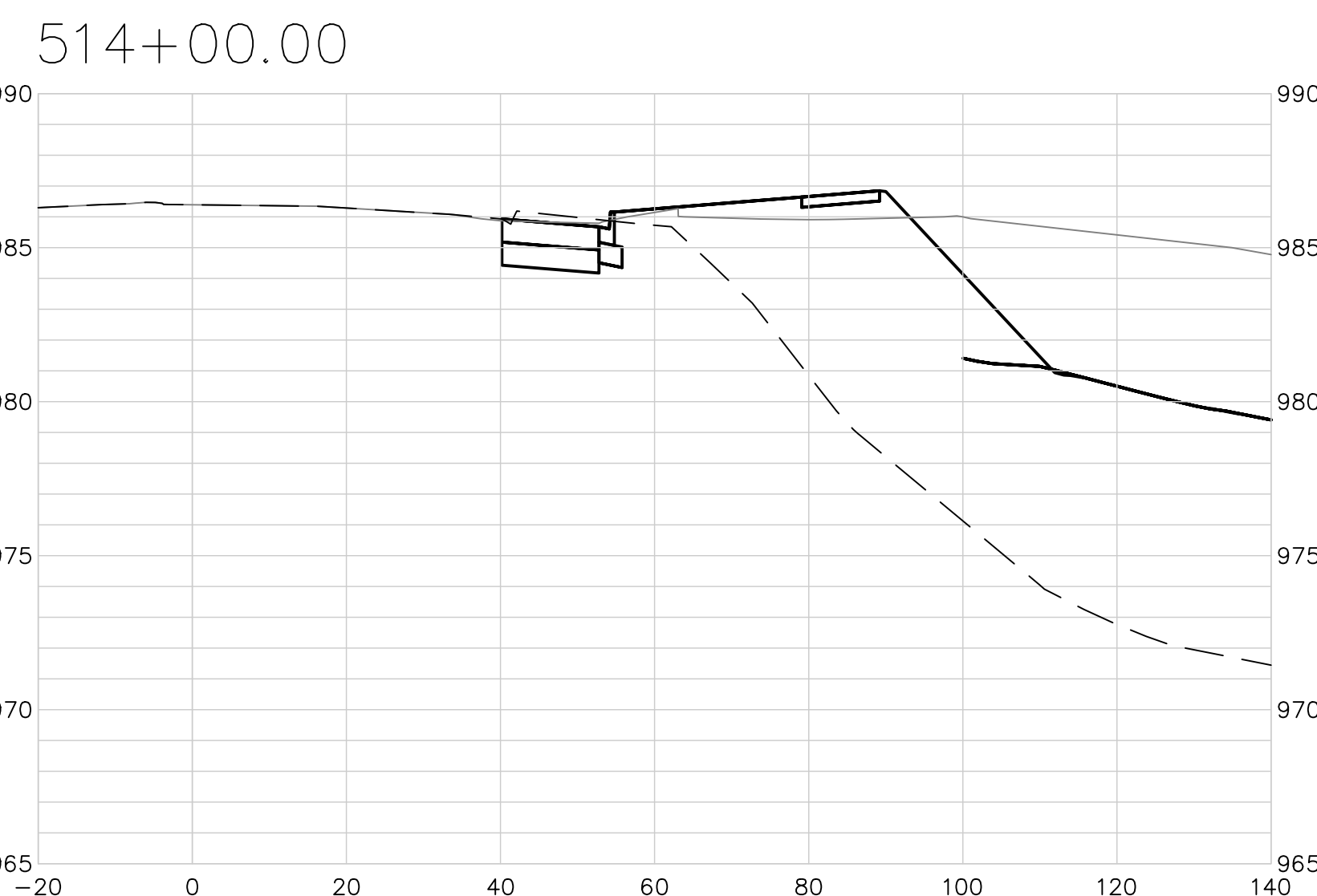
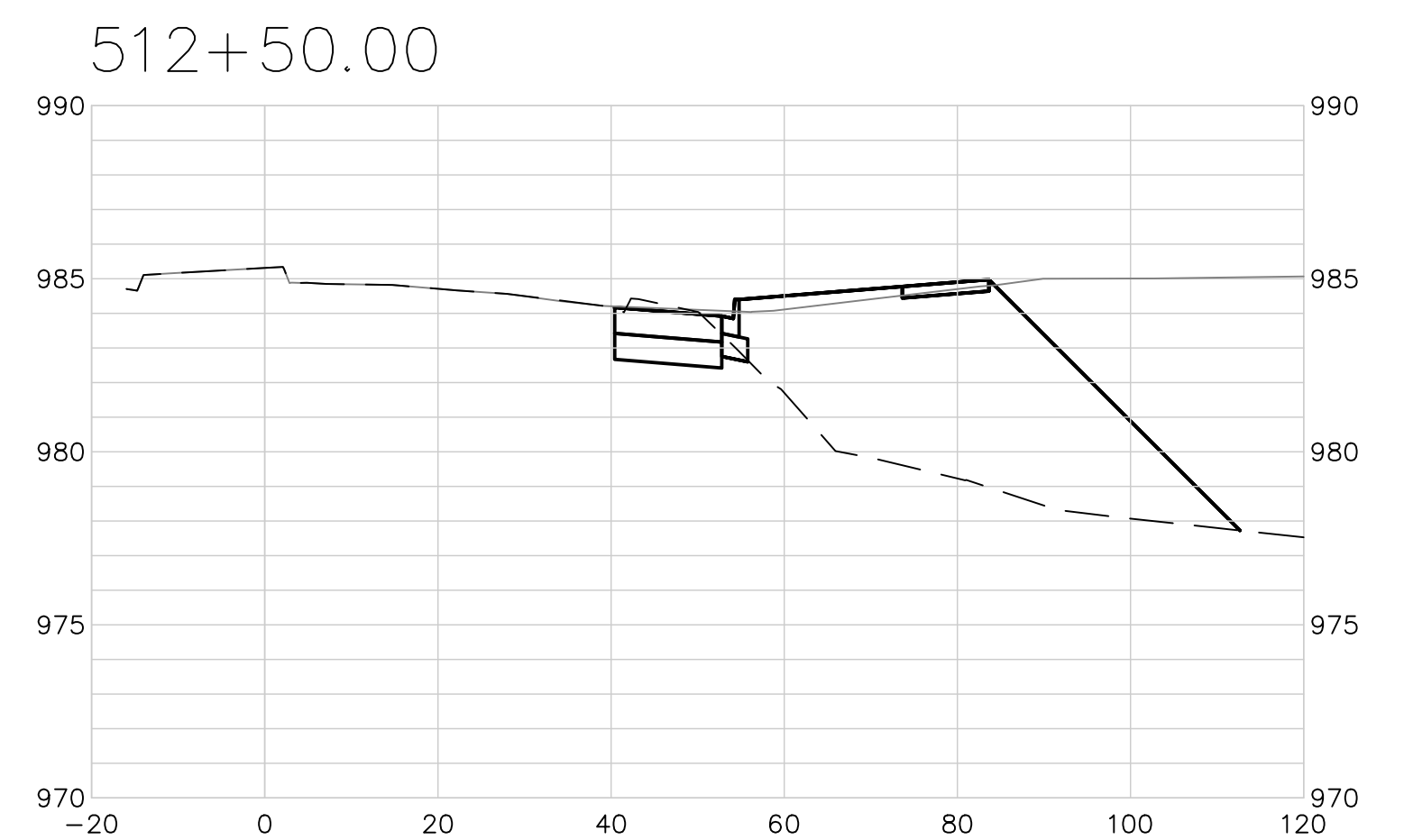
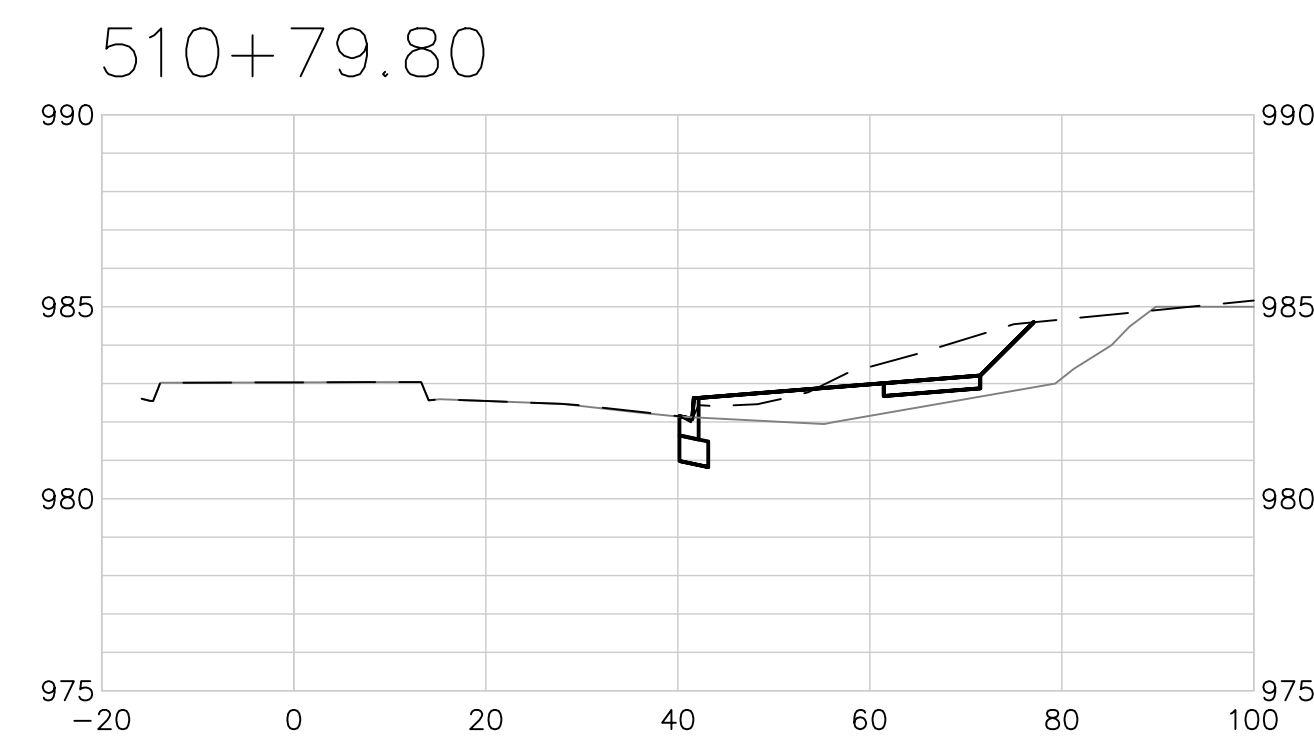
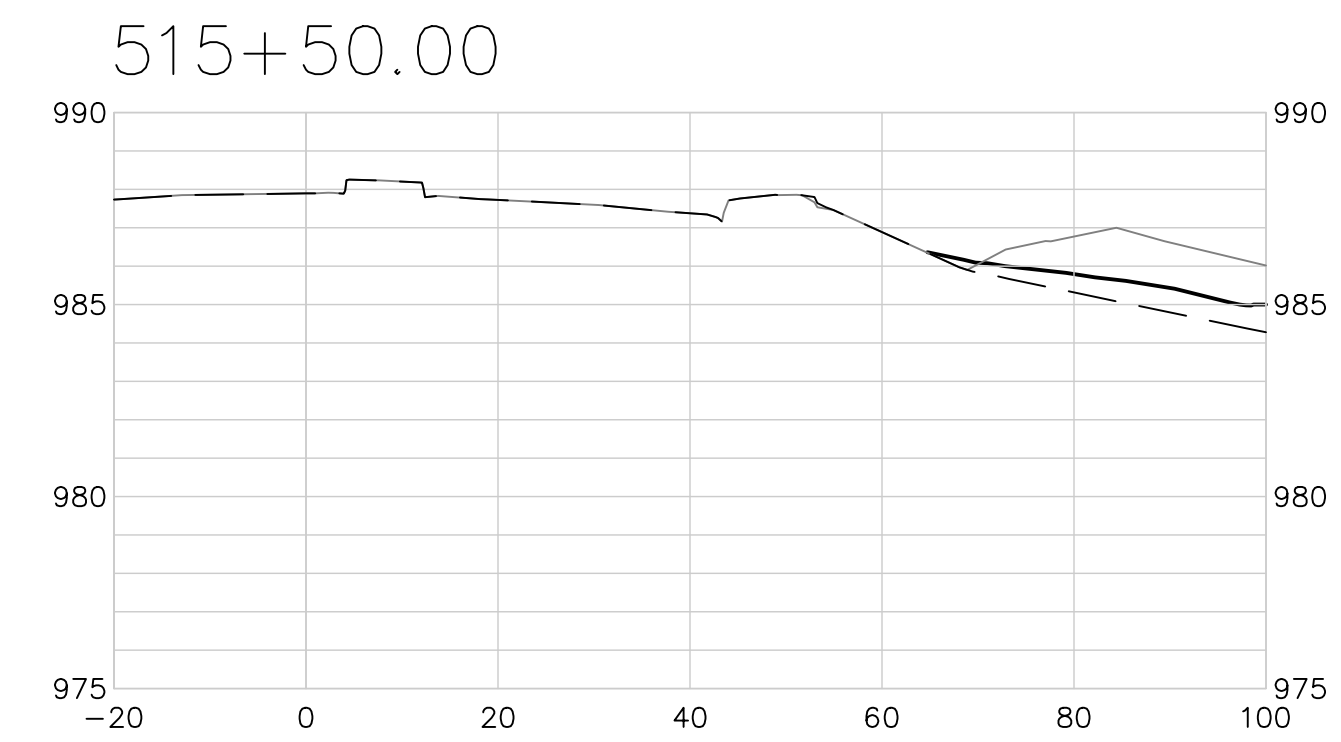
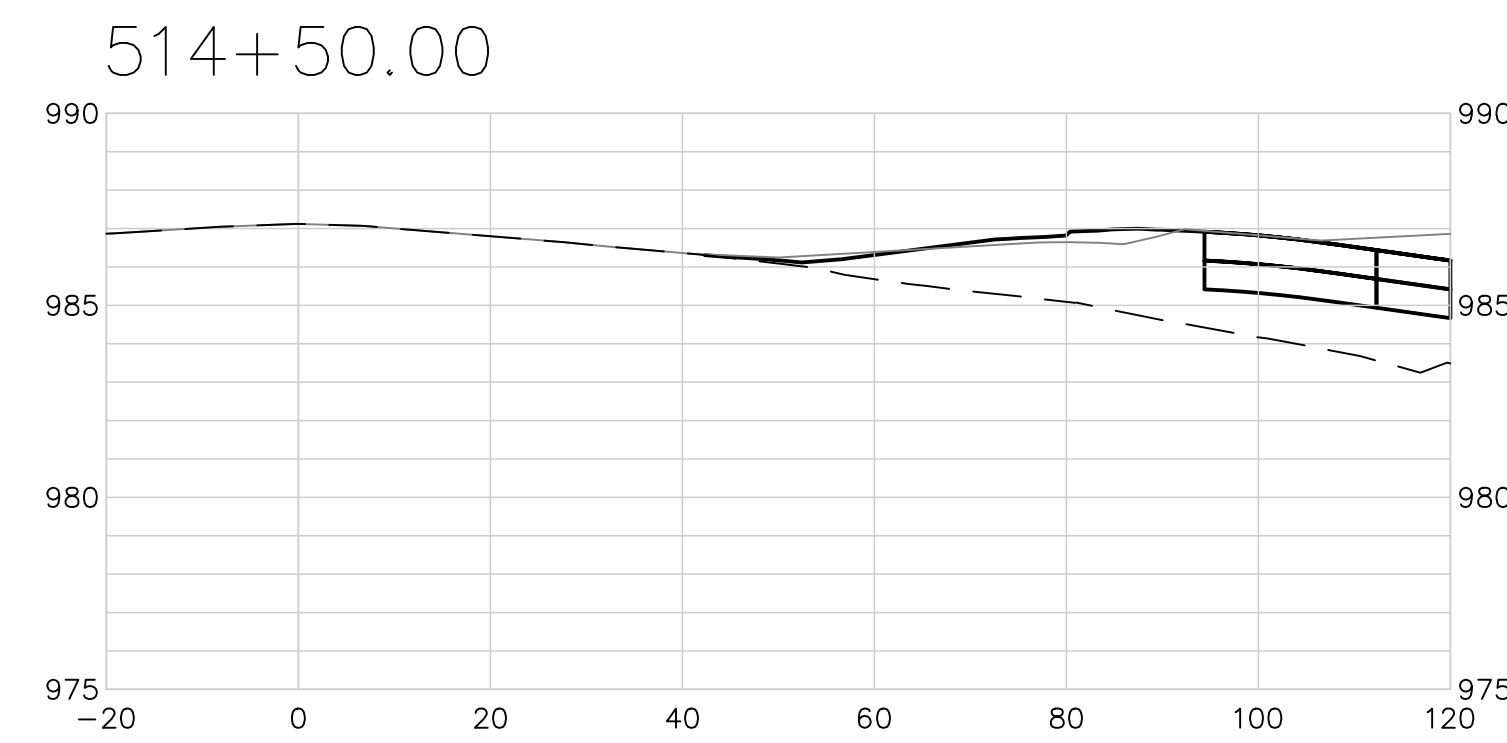
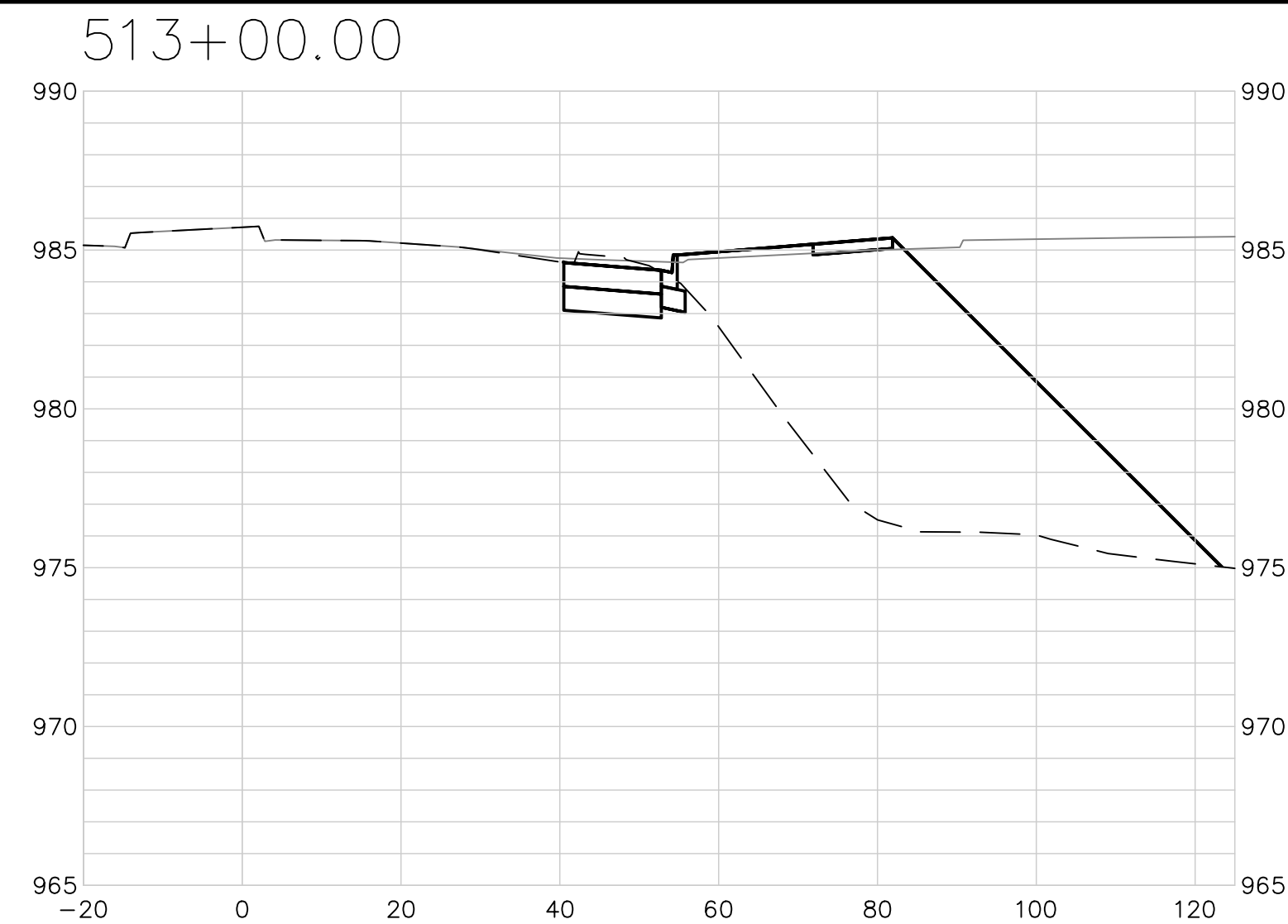
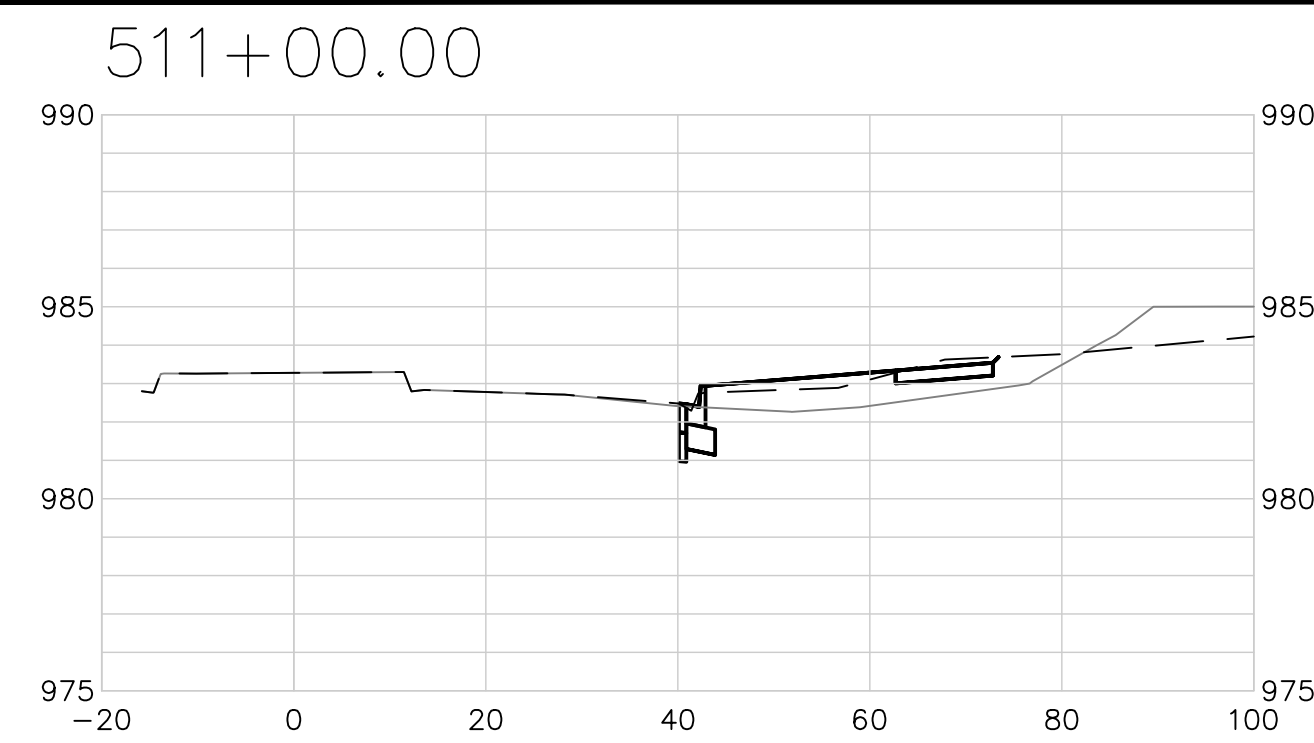
PROJ. NO.		A14_7067-1	
DESIGNER		DRAWN BY	
LDO		JT/BKR	
CFN			
7067-1PI_STPP			
SHEET		REV	
40		1	



EXTENSIVE REVISIONS

THIS DRAWING SHALL NOT BE UTILIZED BY ANY PERSON, FIRM, OR CORPORATION IN WHOLE OR IN PART WITHOUT THE SPECIFIC PERMISSION OF KAW VALLEY ENGINEERING, INC.

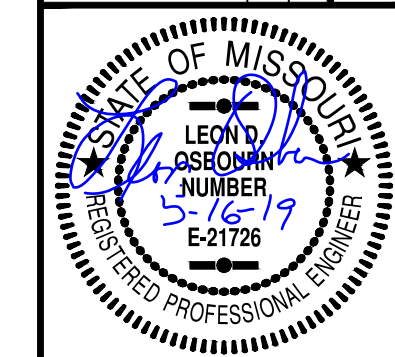
STREETS OF WEST PRYOR NWQ NW PRYOR RD & NW LOWENSTEIN DR LEE'S SUMMIT, MISSOURI		PUBLIC STREET PLANS NW LOWENSTEIN DRIVE - CROSS SECTIONS																					
PROJ. NO. A14-7067-1		DESIGNER LDO		DRAWN BY JT/BKR																			
CFN 7067-1-PI		STPP																					
SHEET 41		REV																					
2319 N. JACKSON P.O. BOX 1304 JUNCTION CITY, KANSAS 66441 PH. (785) 762-5040 FAX (785) 762-7744 jckkvwg.com www.kvwg.com		KAW VALLEY ENGINEERING KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY MISSOURI STATE CERTIFICATE OF AUTHORITY # 000842. EXPIRES 12/31/19		LEON D. OSBOURN ENGINEER MO # 021726																			
		<table><tr><th>REV</th><th>DATE</th><th>DESCRIPTION</th><th>DSN</th><th>DWN</th><th>CHK</th></tr><tr><td>1</td><td>5-16-19</td><td>REVISED PER CITY COMMENTS</td><td>LDO</td><td>JT</td><td>LDO</td></tr><tr><td>0</td><td>01-11-19</td><td>INITIAL ISSUE</td><td>LDO</td><td>JT</td><td>LDO</td></tr></table>		REV	DATE	DESCRIPTION	DSN	DWN	CHK	1	5-16-19	REVISED PER CITY COMMENTS	LDO	JT	LDO	0	01-11-19	INITIAL ISSUE	LDO	JT	LDO		
REV	DATE	DESCRIPTION	DSN	DWN	CHK																		
1	5-16-19	REVISED PER CITY COMMENTS	LDO	JT	LDO																		
0	01-11-19	INITIAL ISSUE	LDO	JT	LDO																		



EXTENSIVE REVISIONS

1

SCALE:
1"=20' HORIZ.
1"=5' VERT.

[illegible]

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
www.kveeng.com

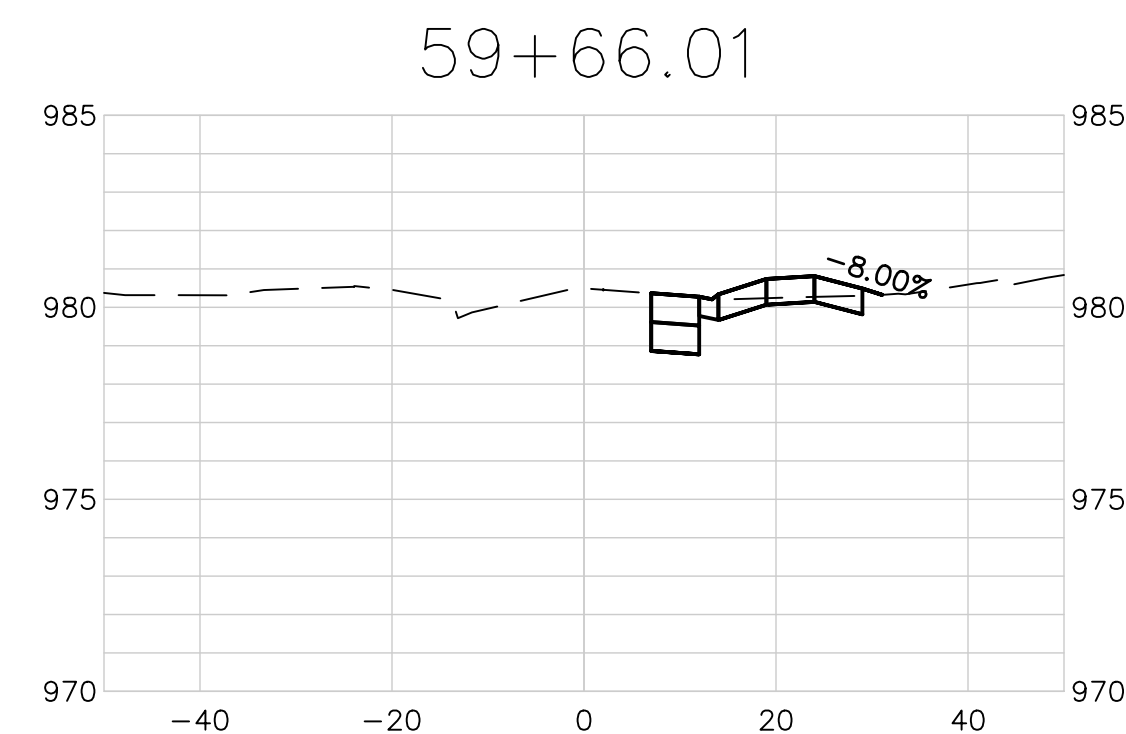
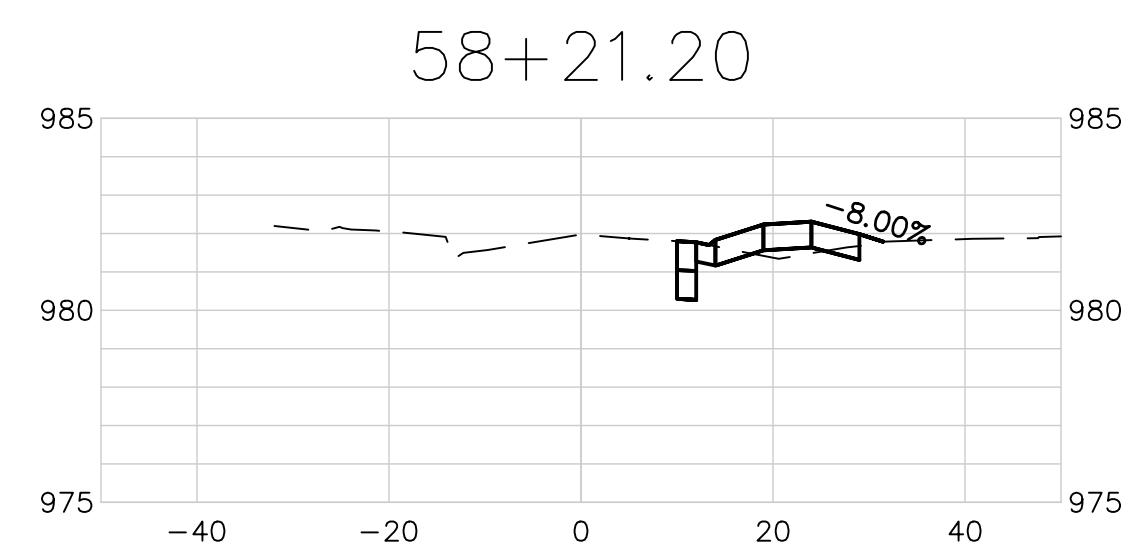
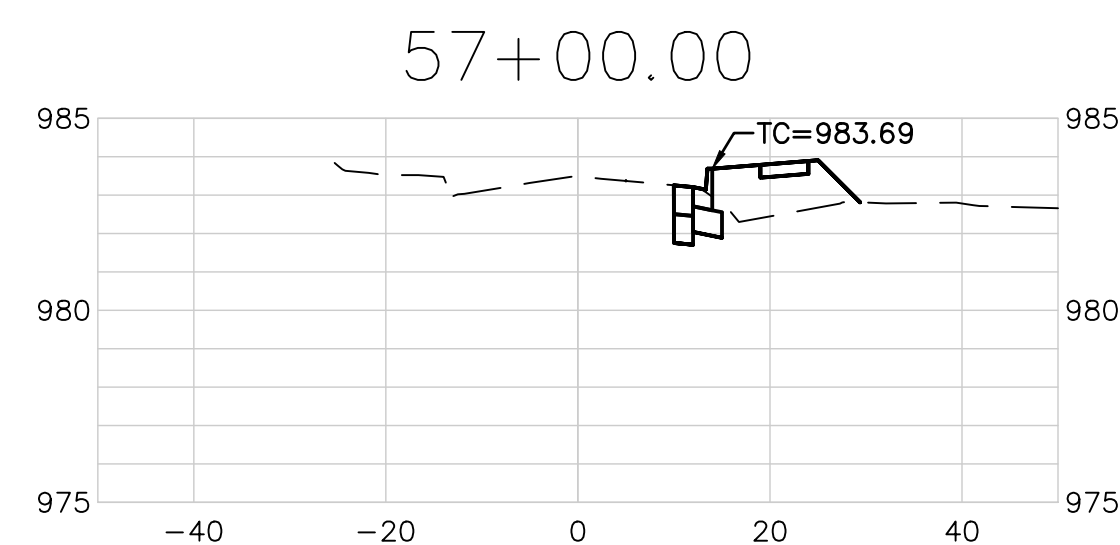
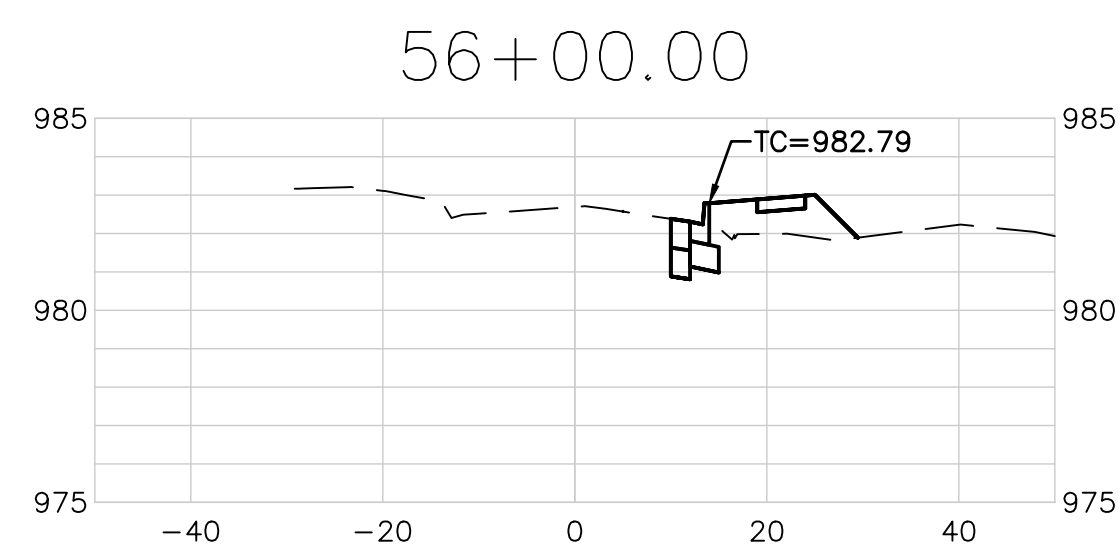
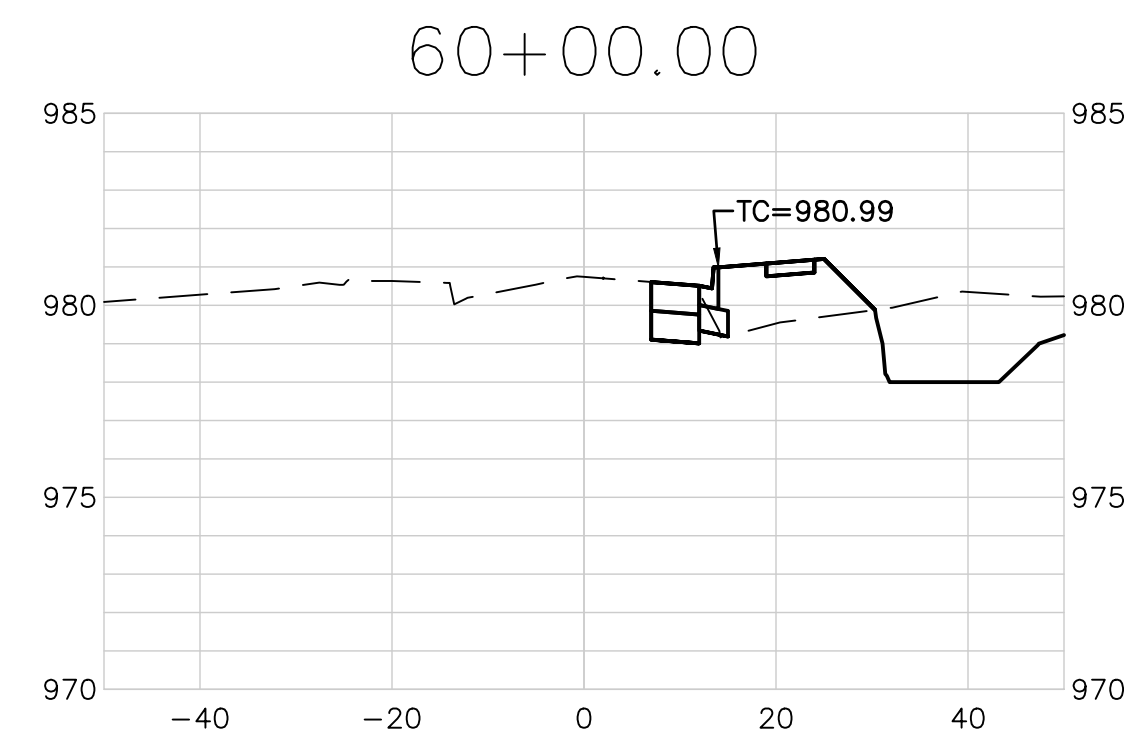
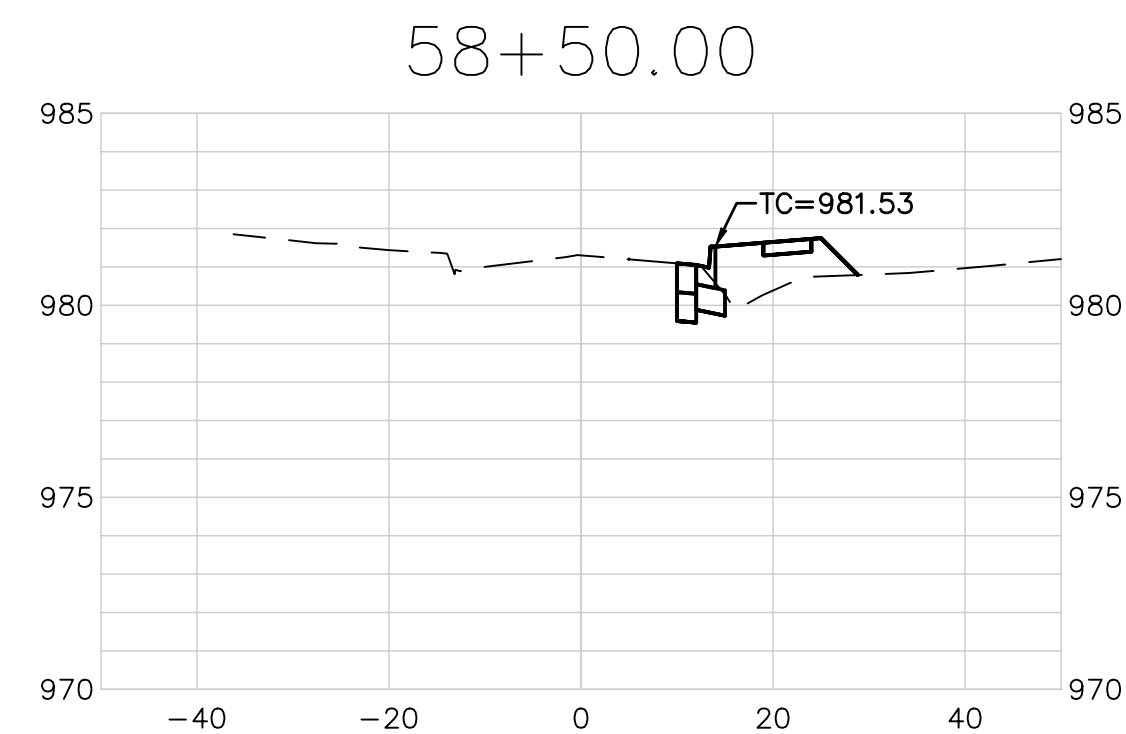
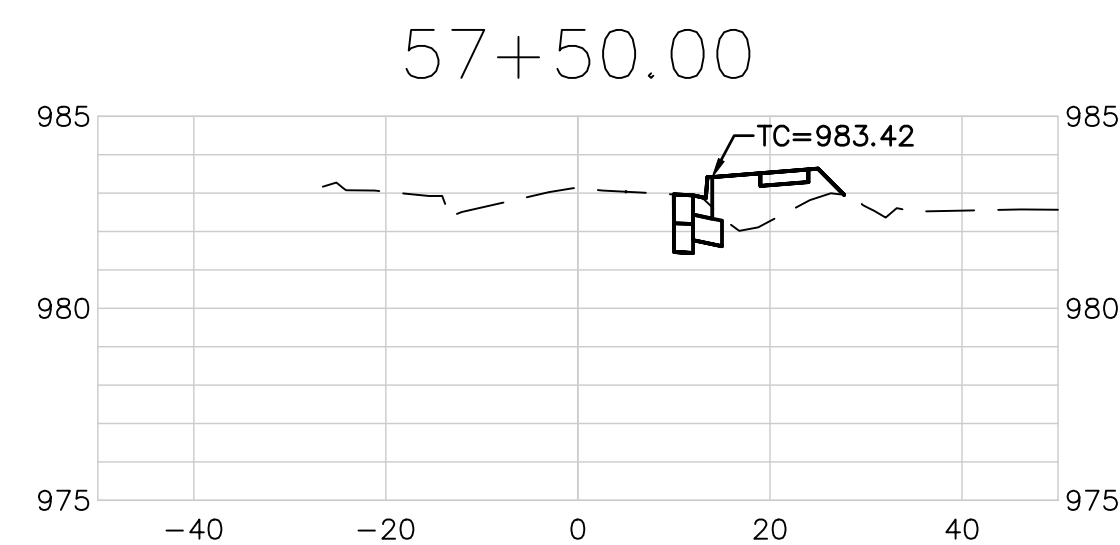
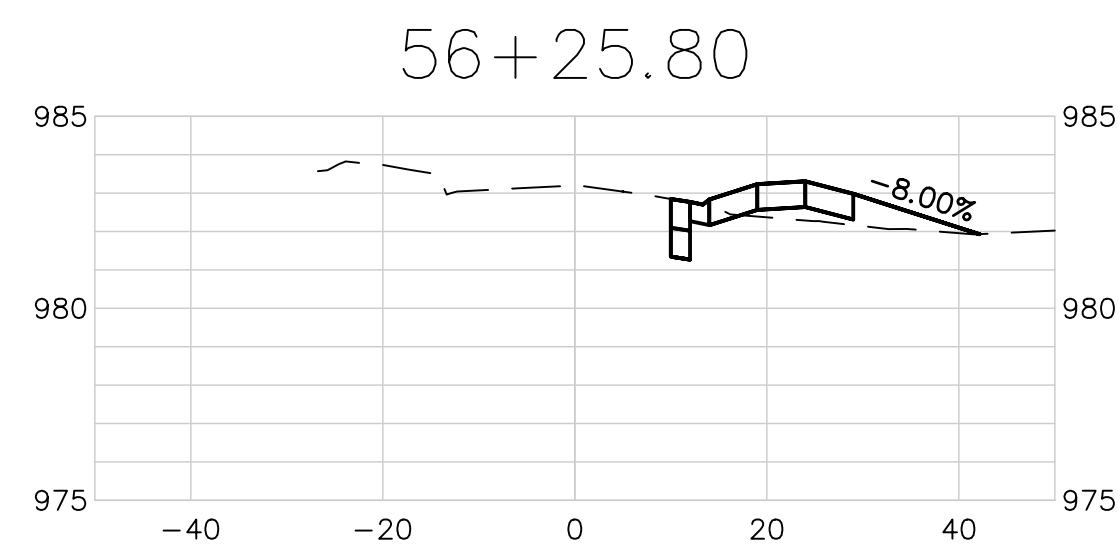
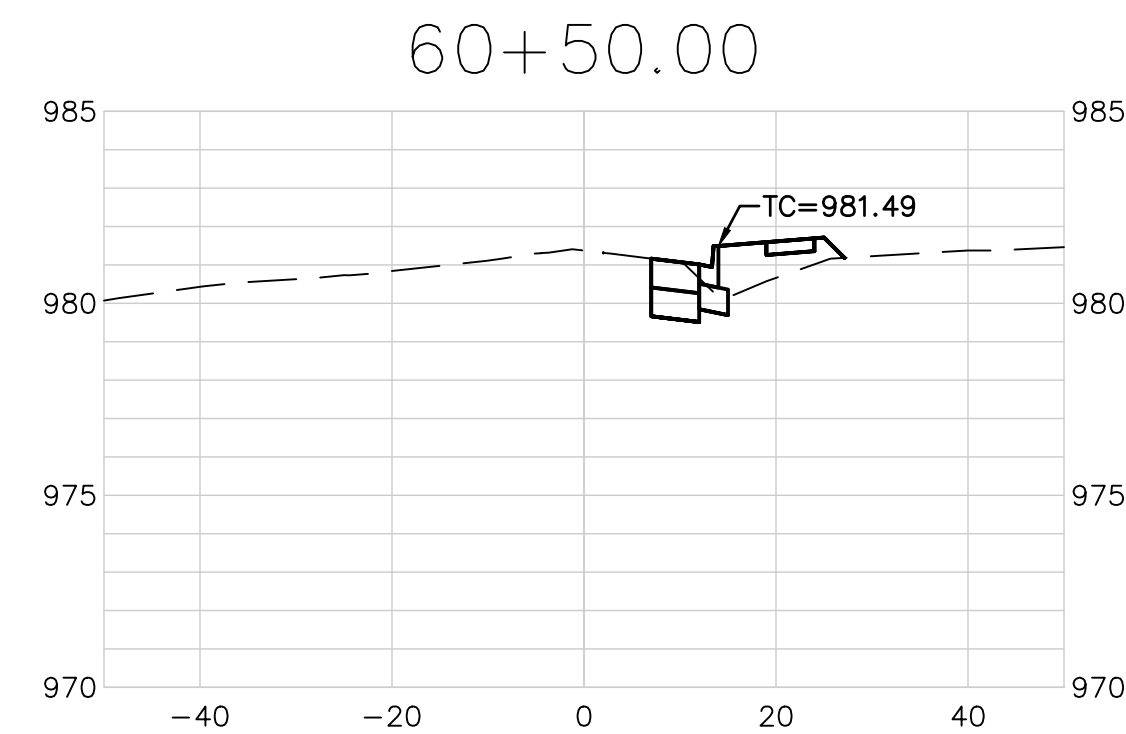
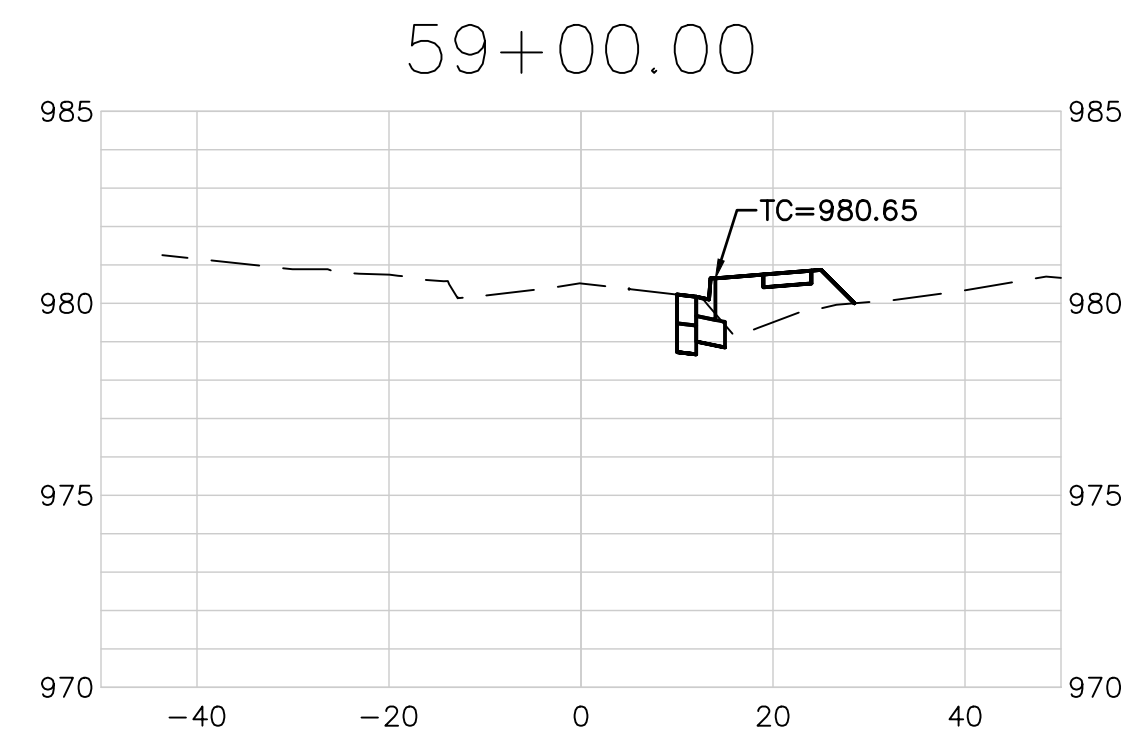
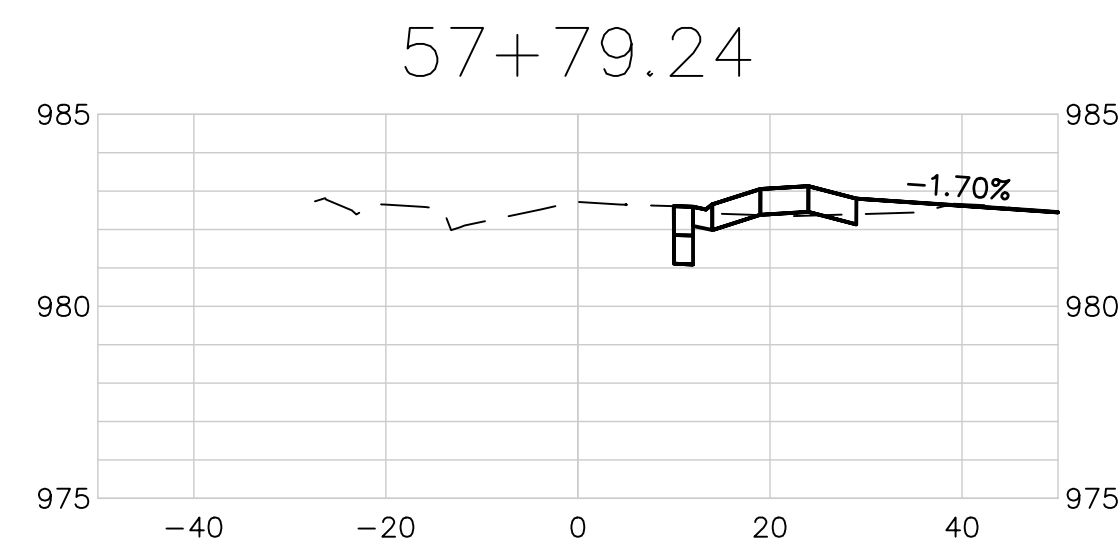
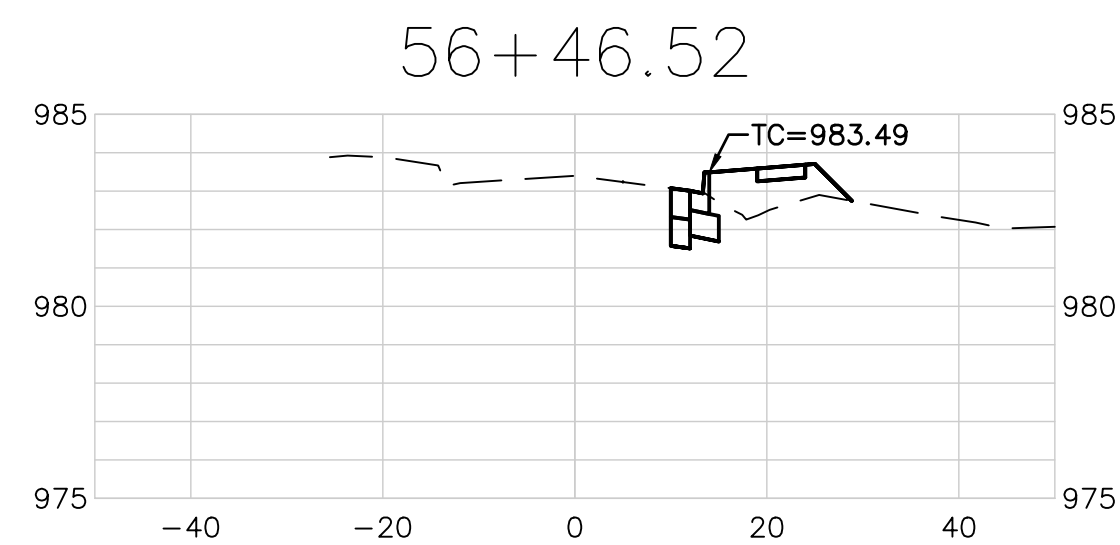
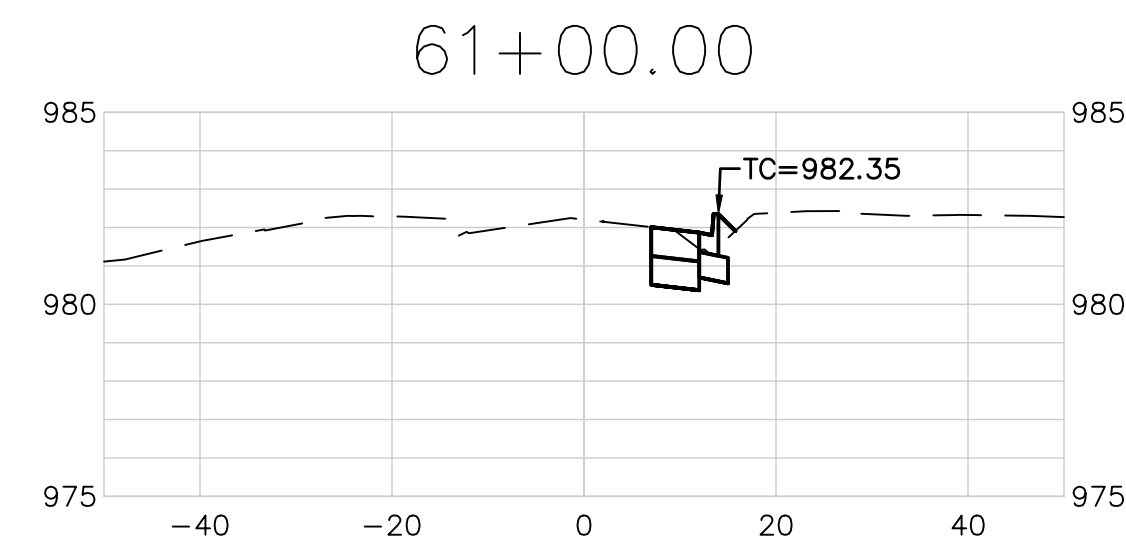
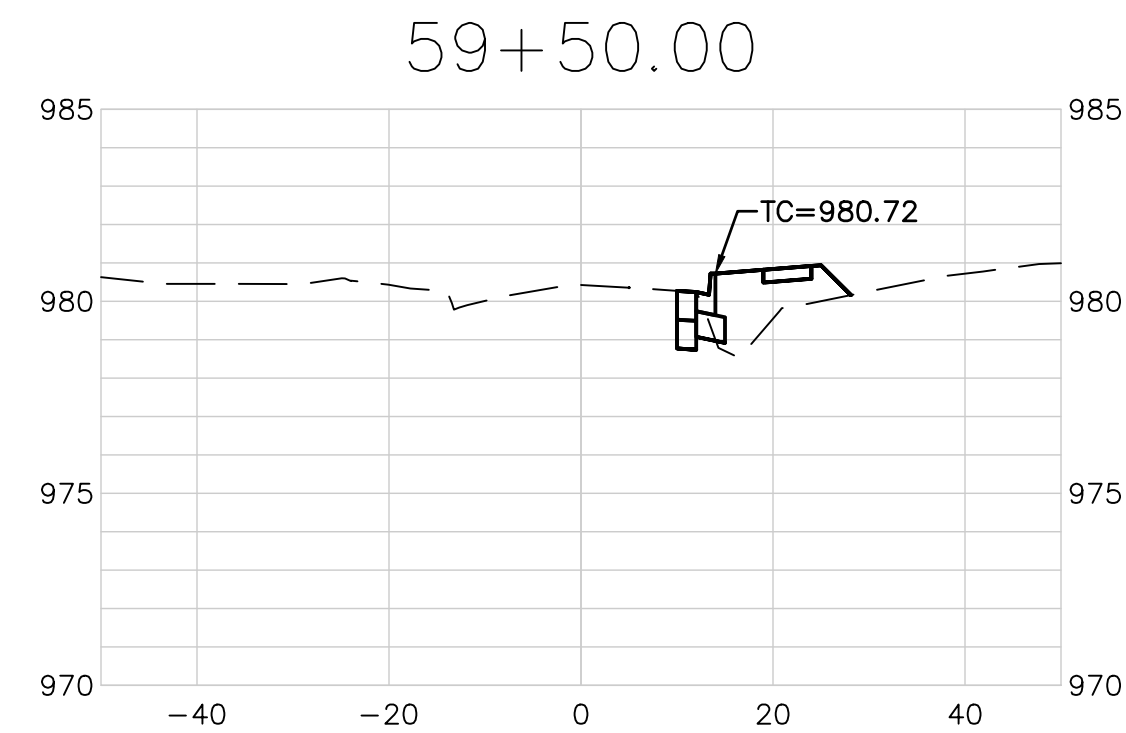
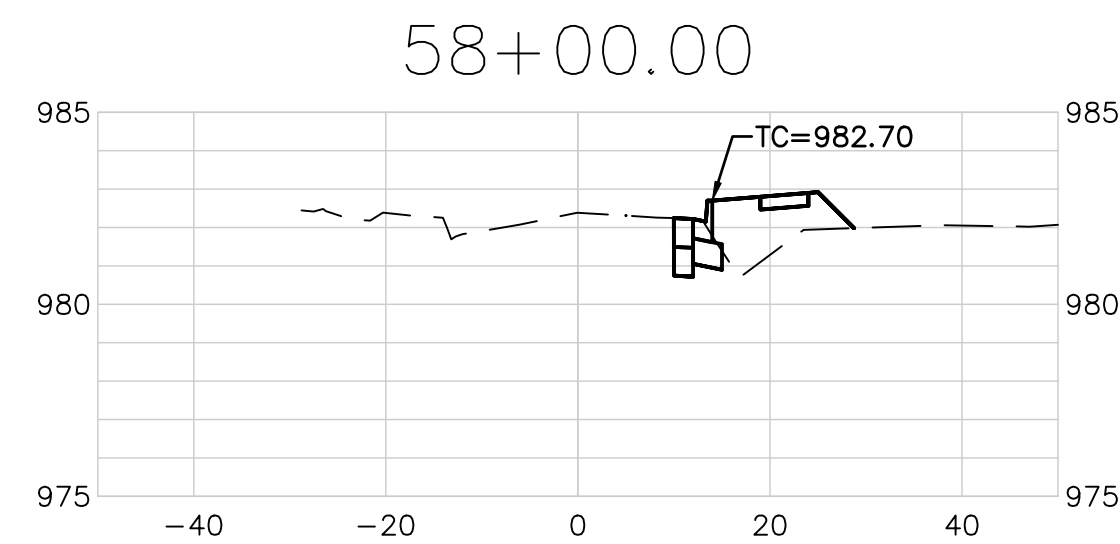
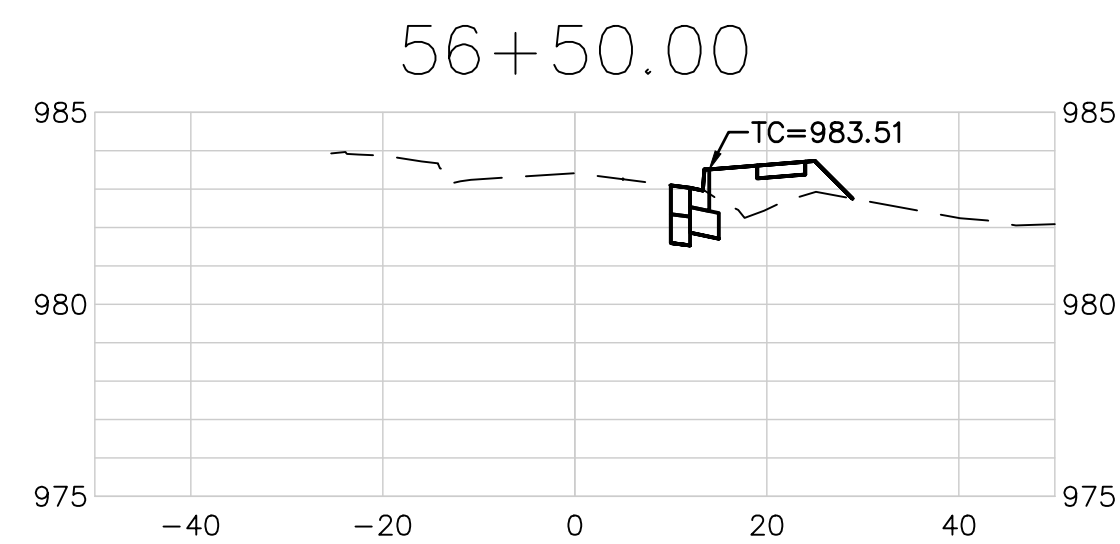
KAW VALLEY ENGINEERING

KAW VALLEY ENGINEERING, INC., IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY MISSOURI STATE CERTIFICATE OF AUTHORITY # 000842.
EXPIRES 12/31/19

STREETS OF WEST PRYOR
NW/4 NW PRYOR RD & NW LOWENSTEIN DR
LEE'S SUMMIT, MISSOURI

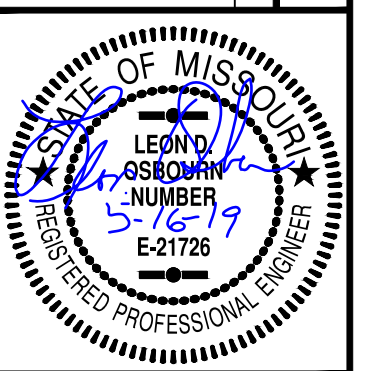
PUBLIC STREET PLANS
NW PRYOR DR WIDENING - CROSS SECTIONS

PROJ. NO.	
A14_7067-1	
DESIGNER	DRAWN BY
LDO	JT/BKR
CFN	
7067-1PI_STPP	
SHEET	REV
43	1



EXTENSIVE REVISIONS

SCALE:
1"=20' HORIZ.
1"=5' VERT.

[illegible]

LEON D. OSBOURN
ENGINEER
MO # 021726

 **KAW VALLEY ENGINEERING**

KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY MISSOURI STATE CERTIFICATE OF AUTHORITY # 000892.

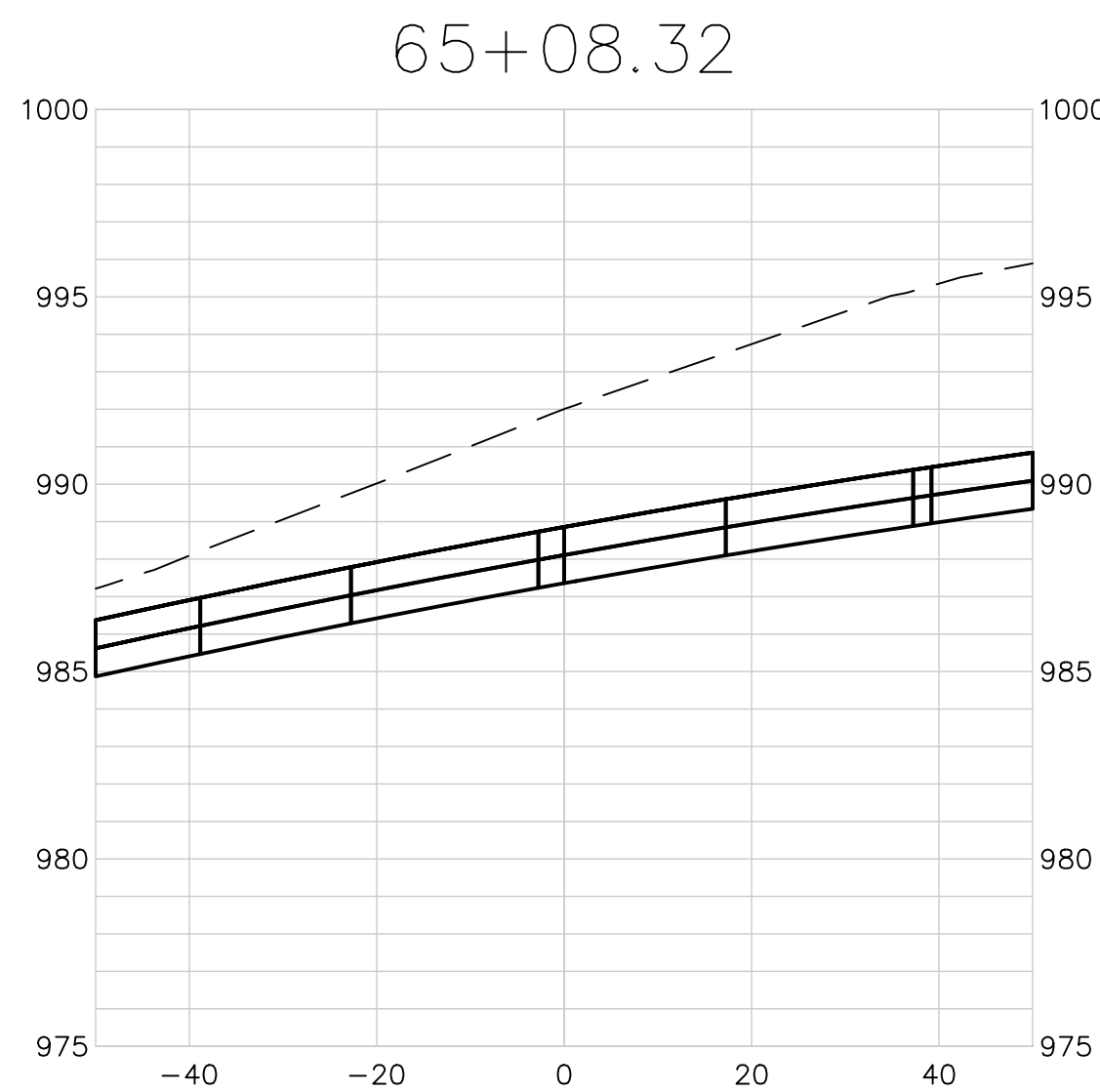
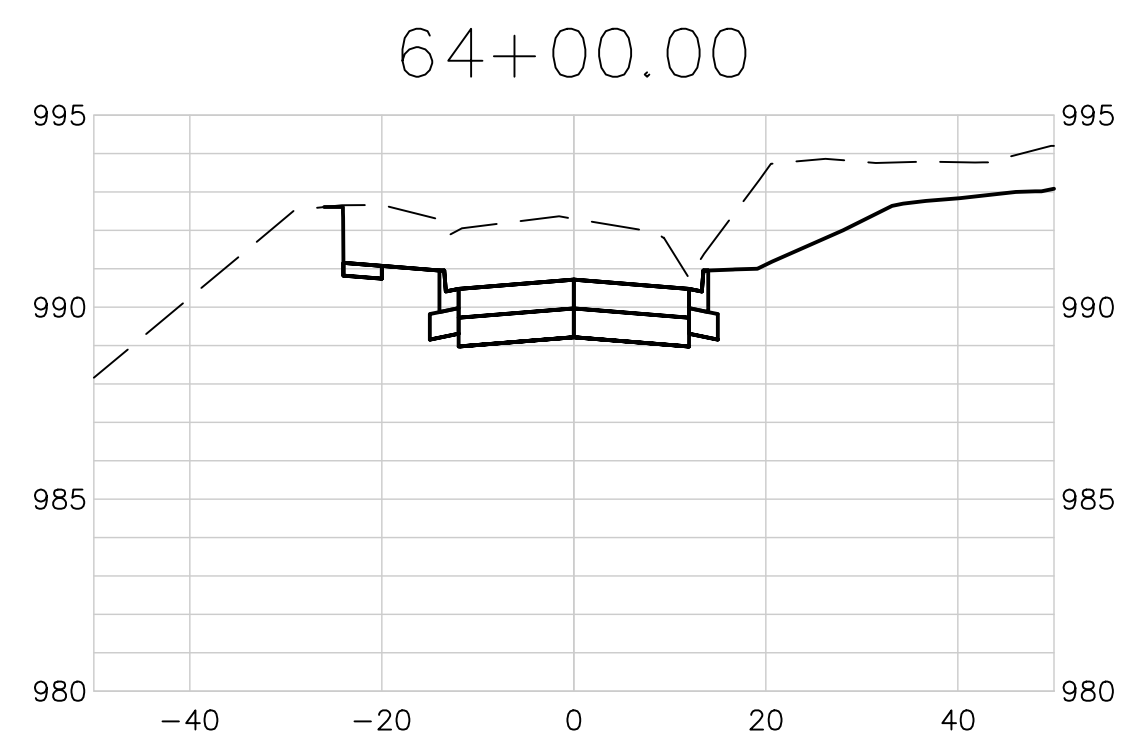
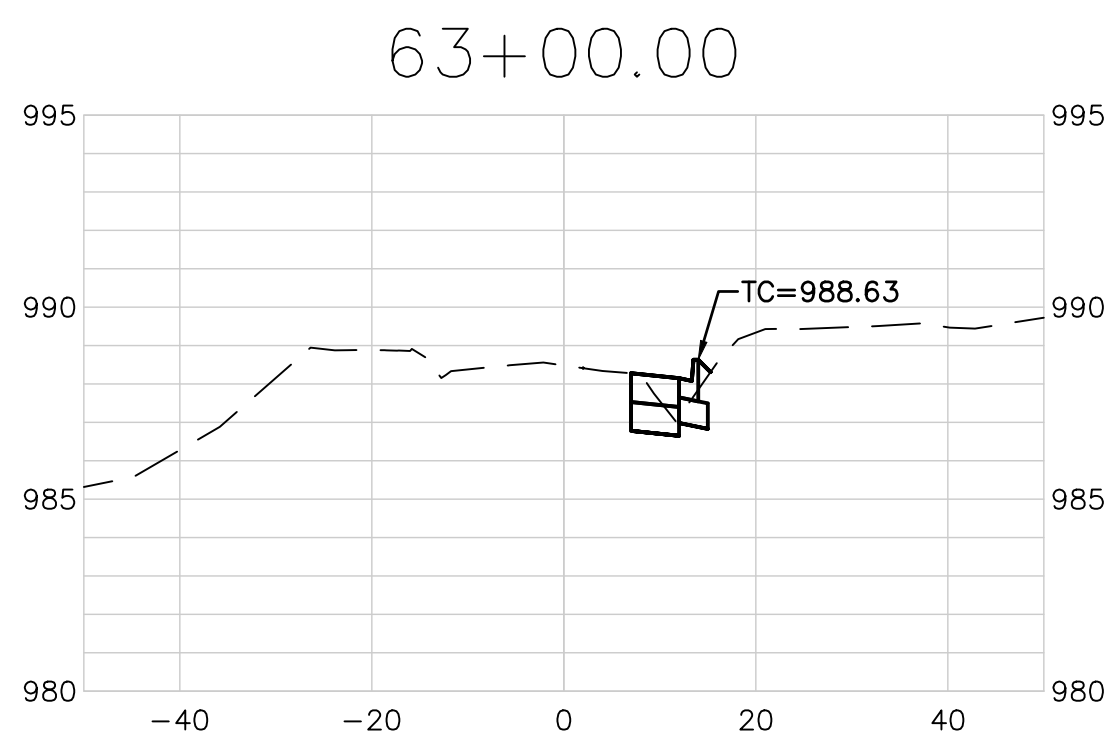
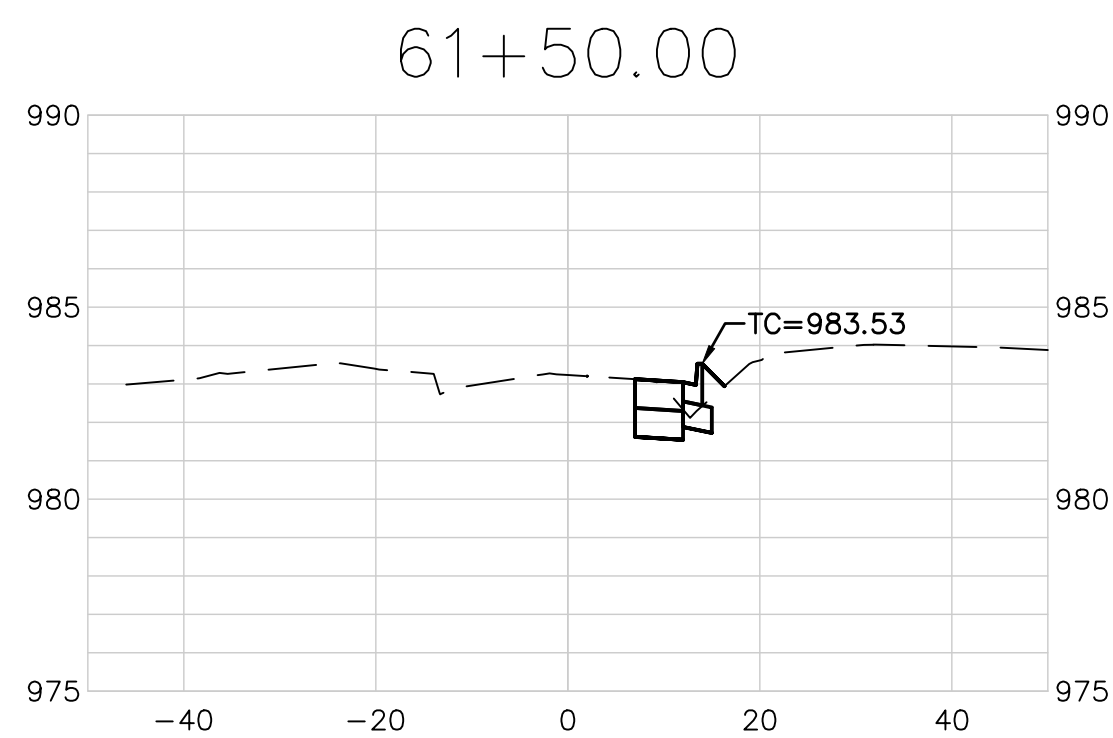
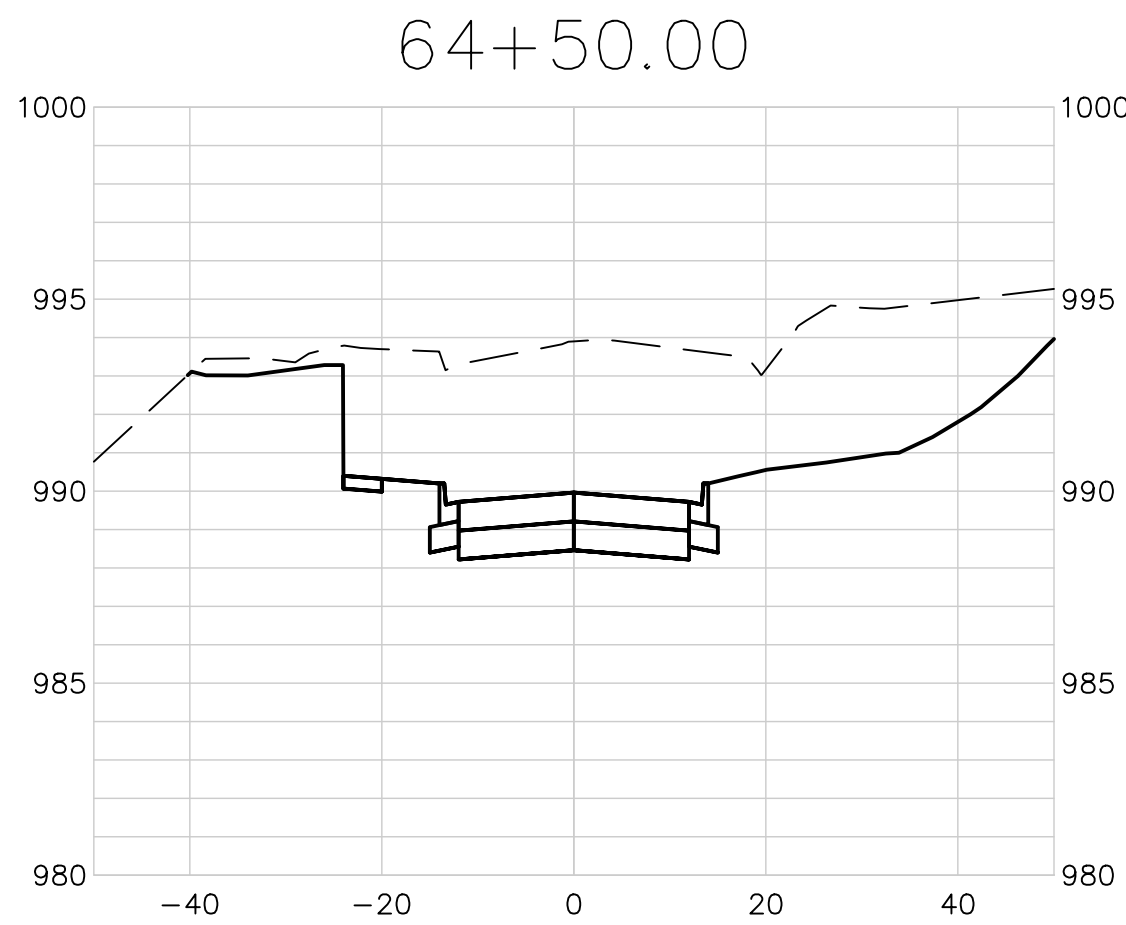
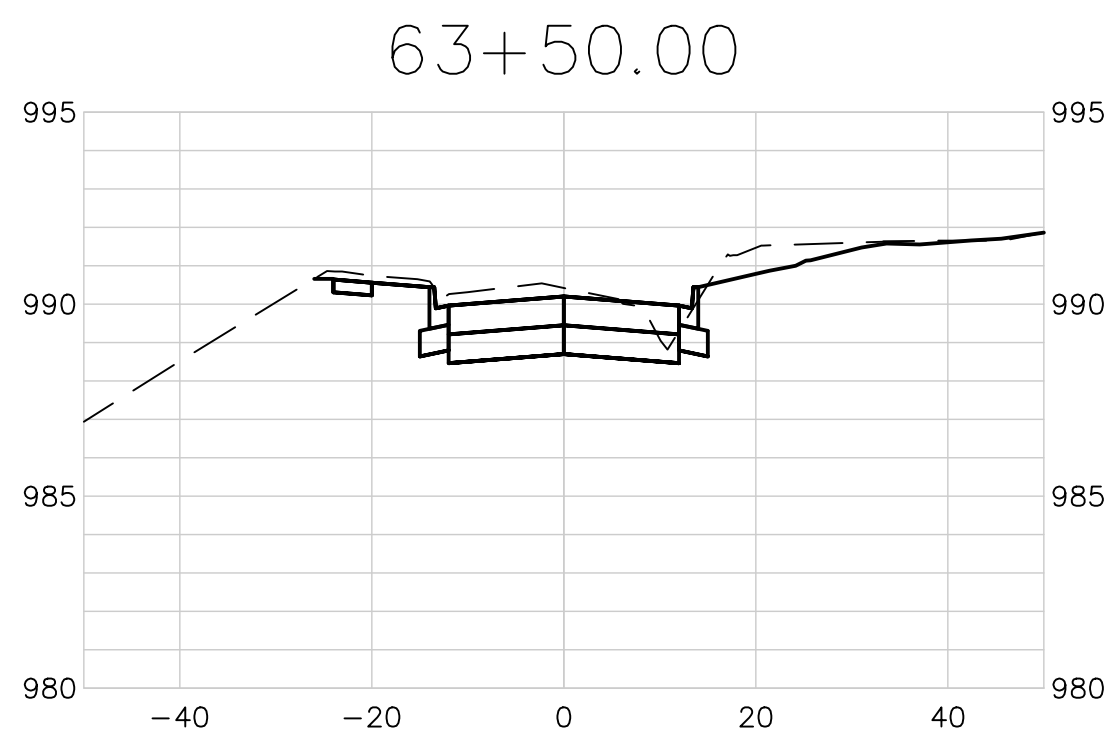
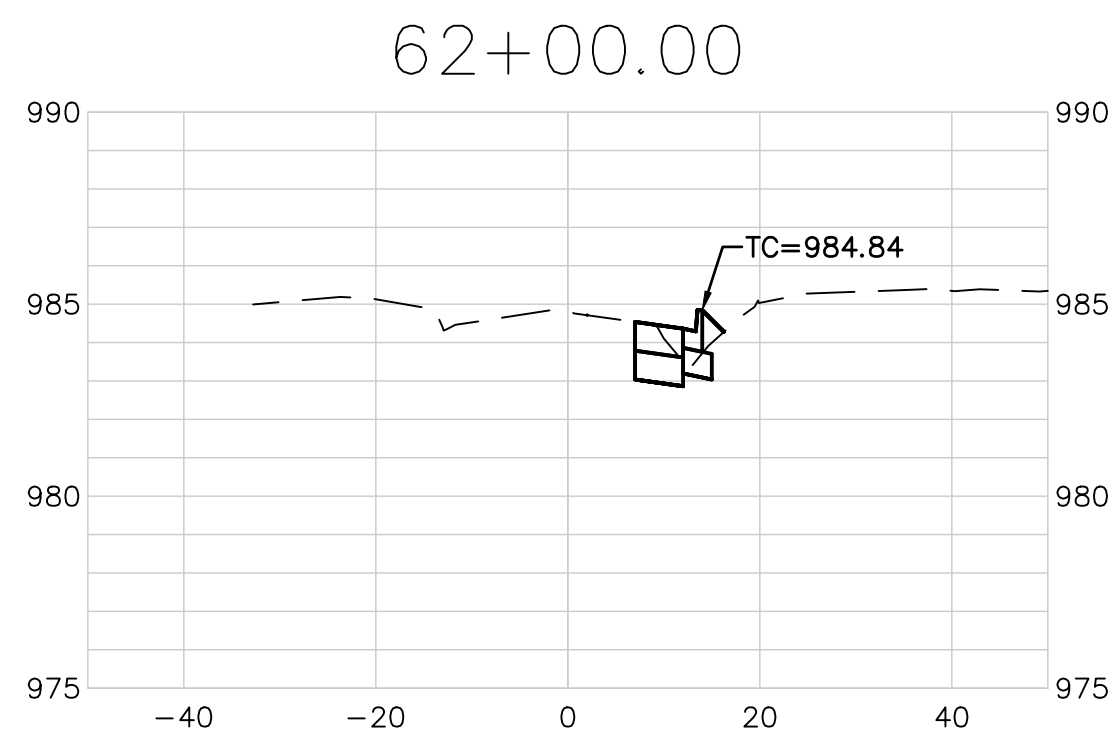
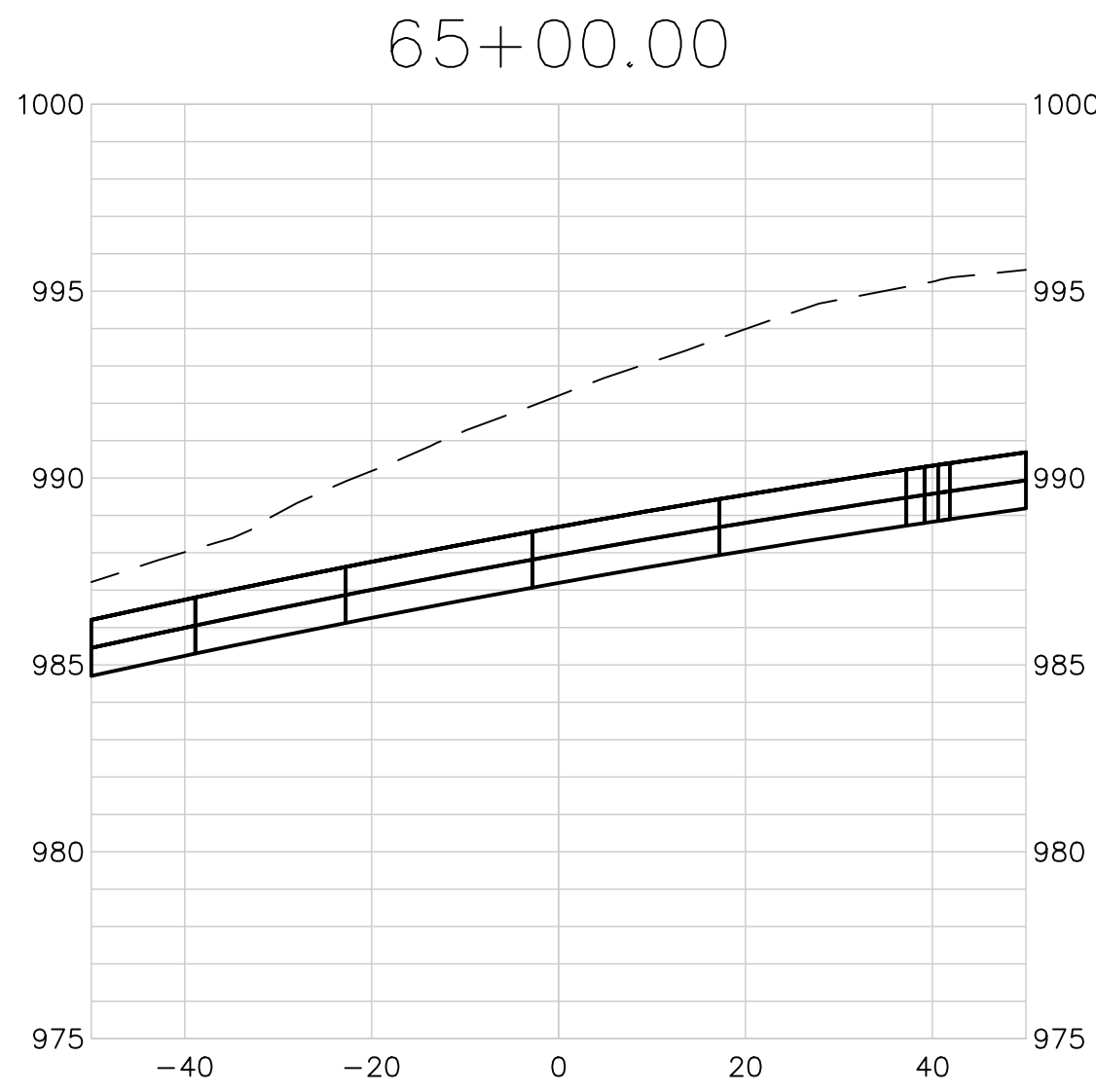
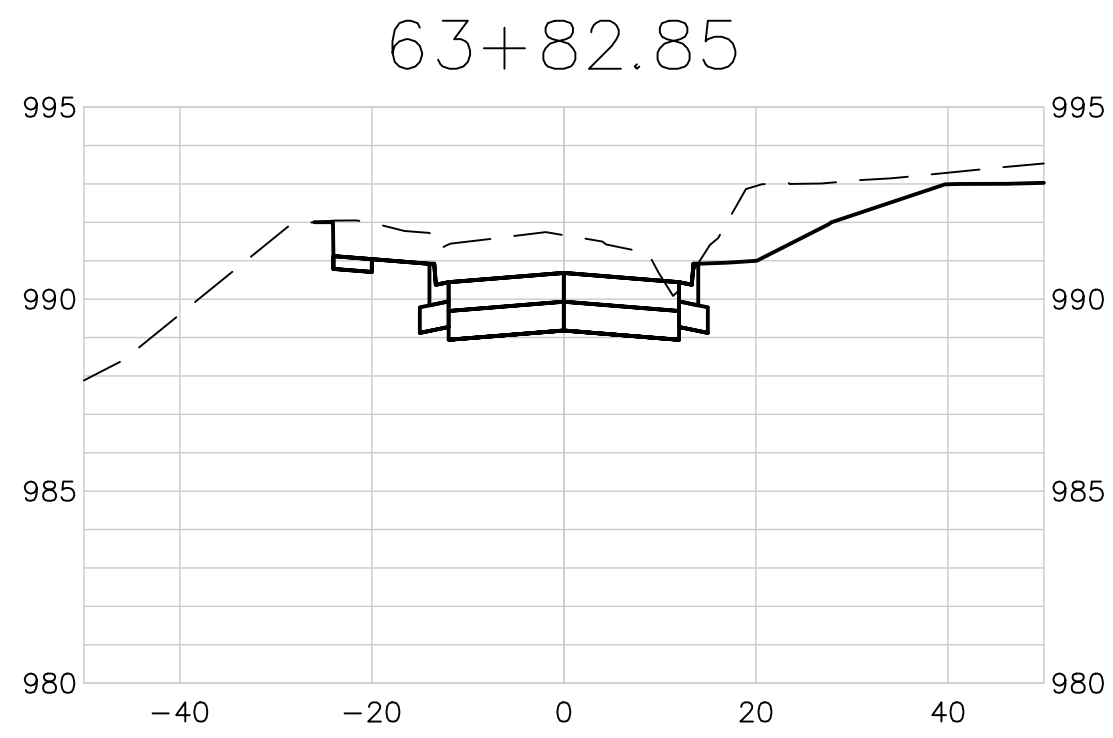
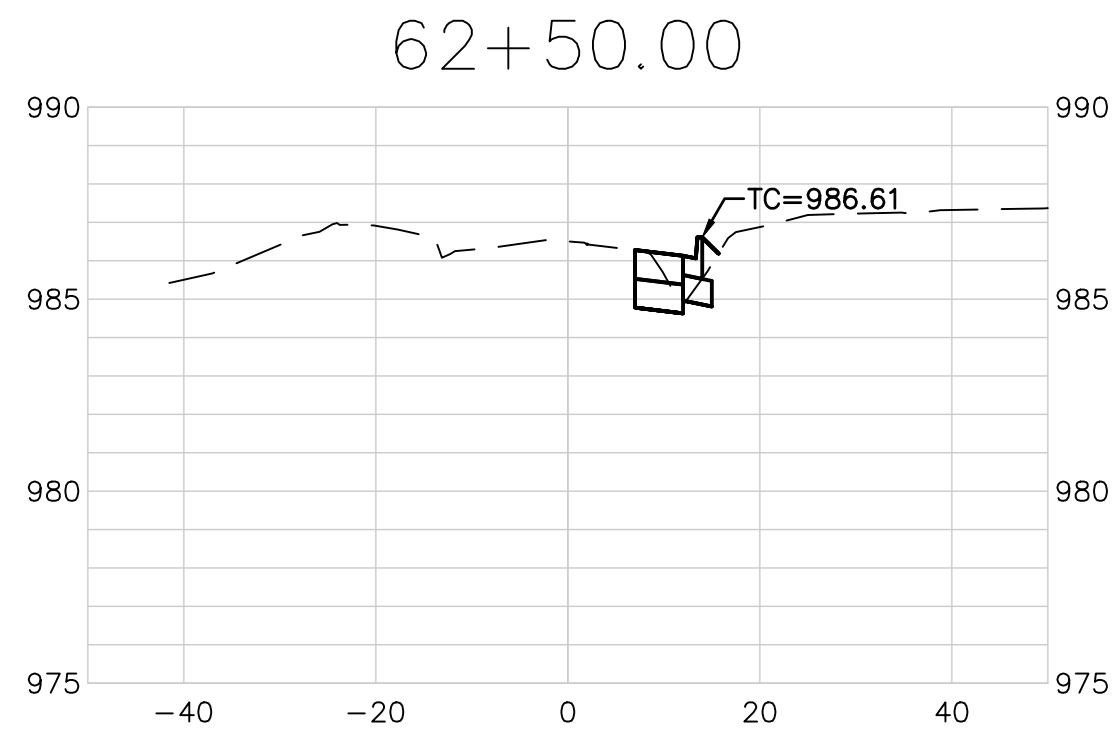
EXPIRES 12/31/19

2319 N. JACKSON | P.O. BOX 1304
JUNCTION CITY, KANSAS 66441
PH. (785) 762-5040 FAX (785) 762-7744
www.kveeng.com | www.kveeng.com

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

PUBLIC STREET PLANS
NNW BLACK TWIG LANE - CROSS SECTIONS

PROJ. NO.	
A14_7067-1	
DESIGNER	DRAWN BY
LDO	JT/BKR
CFN	
7067-1PI_STPP	
SHEET	REV
45	0



EXTENSIVE REVISIONS

SCALE:
1"=20' HORIZ.
1"=5' VERT.



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
joe@kve.com | www.kve.com

KAW VALLEY ENGINEERING

KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES IN THE STATE OF MISSOURI
EXPIRES 12/31/19

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

PUBLIC STREET PLANS
NW BLACK TWIG LANE - CROSS SECTIONS

PROJ. NO. A14-7067-1	
DESIGNER LDO	DRAWN BY JT/BKR
CFN 7067-1PI-STPP	
SHEET 46	REV 0

	01-11-19	INITIAL ISSUE	
	0	REV	DATE DESCRIPTION
		LDO	DSN
		JT	DWN
		LDO	CHK