

- NOTES**
1. FENCE NOT ENTIRELY SHOWN FOR CLARITY.
 2. THE PASSING STRUCTURAL ANALYSIS FOR THE EXISTING STRUCTURE WAS COMPLETED BY BLACK & VEATCH ON 02/26/2016.



7801 FARLEY
OVERLAND PARK, KS 66204



BLACK & VEATCH

6800 W. 115TH ST., SUITE 2292
OVERLAND PARK, KS 66211
(913) 458-2000

PROJECT NO.: 12903
DRAWN BY: MBR
CHECKED BY: LH

REV	DATE	DESCRIPTION
A	02/28/16	ISSUED FOR REVIEW

PRELIMINARY

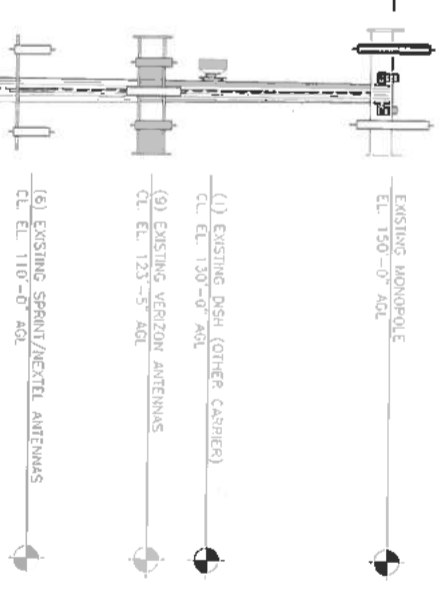
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PRAIRIE VILLAGE, KS 66208
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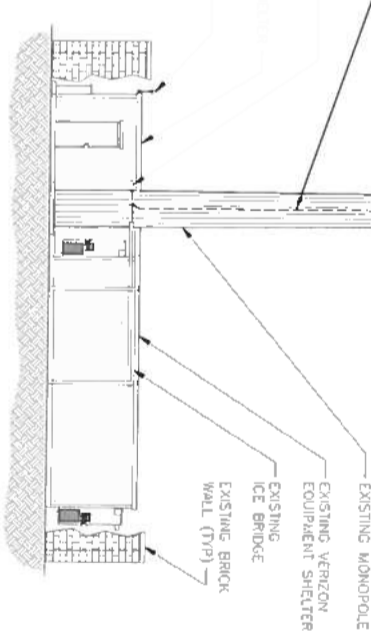
SHEET TITLE
ELEVATIONS

SHEET NUMBER
C-2

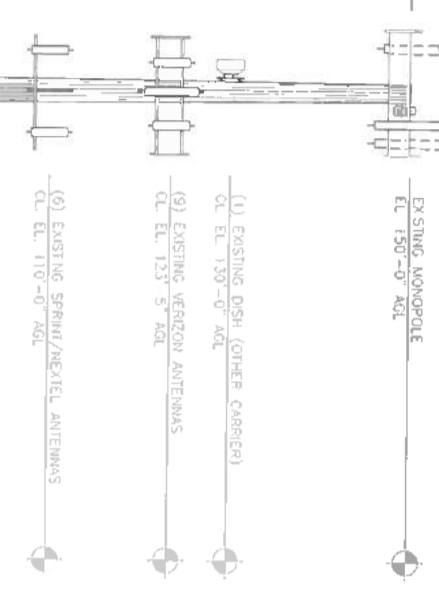
- (3) EXISTING AT&T ANTENNAS
- (3) PROPOSED AT&T ANTENNAS
- (6) EXISTING AT&T TAKE
- (3) PROPOSED AT&T TAKE
- (1) EXISTING RAYCAP SURGE PROTECTION UNIT
- (1) PROPOSED RAYCAP SURGE PROTECTION UNIT
- CL. EL. 150'-0" AGL



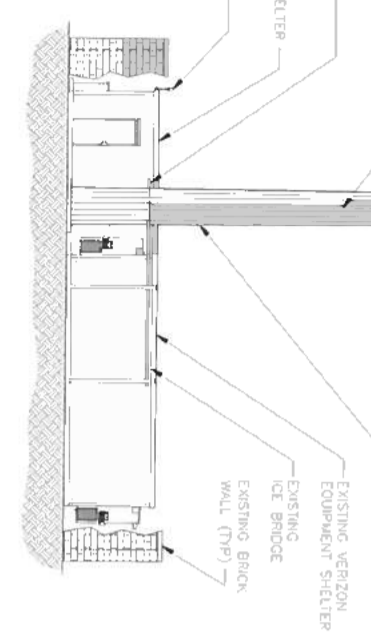
- (12) EXISTING AT&T 1 5/8" COAX;
- (2) EXISTING 3/8" RET CABLES;
- (1) EXISTING 3/8" FIBER TRUNK CABLE AND (2) EXISTING 3/4" DC POWER TRUNK CABLES ROUTED INSIDE OF EXISTING MONOPOLE.
- INSTALL (1) PROPOSED 3/4" ROSENBERGER WR-V08GT DC POWER TRUNK CABLES IN (1) PROPOSED 2" FLEX CONDUIT ROUTED INSIDE OF EXISTING MONOPOLE



- (9) EXISTING AT&T ANTENNAS TO BE REMOVED
- (12) EXISTING AT&T TAKE
- (6) EXISTING AT&T TAKE TO BE REMOVED
- (6) EXISTING AT&T TAKE
- (1) EXISTING RAYCAP SURGE PROTECT UNIT
- CL. EL. 150'-0" AGL



- (12) EXISTING AT&T 1 5/8" COAX;
- (2) EXISTING 3/8" RET CABLES;
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EXISTING ELEVATION
SEE DRAWING C-1



A

PROPOSED ELEVATION
SEE DRAWING C-1

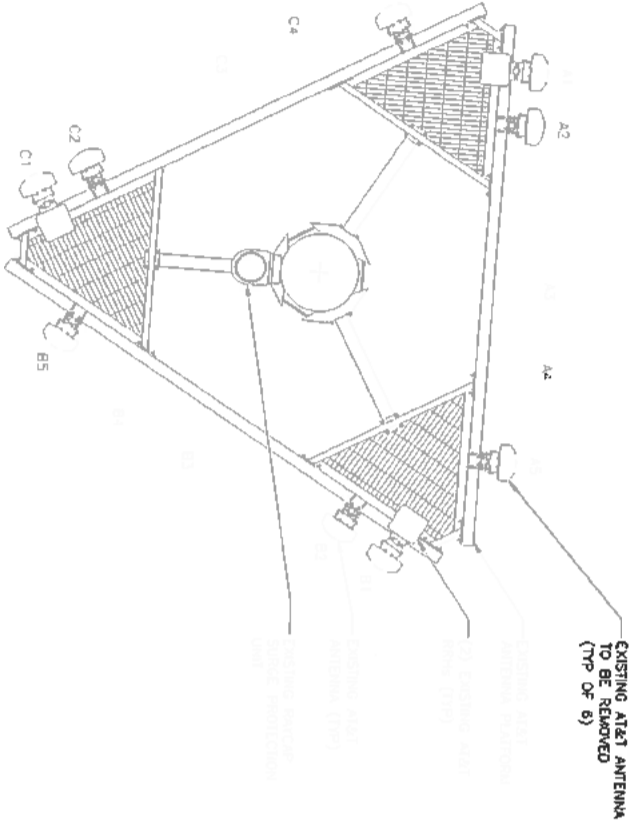


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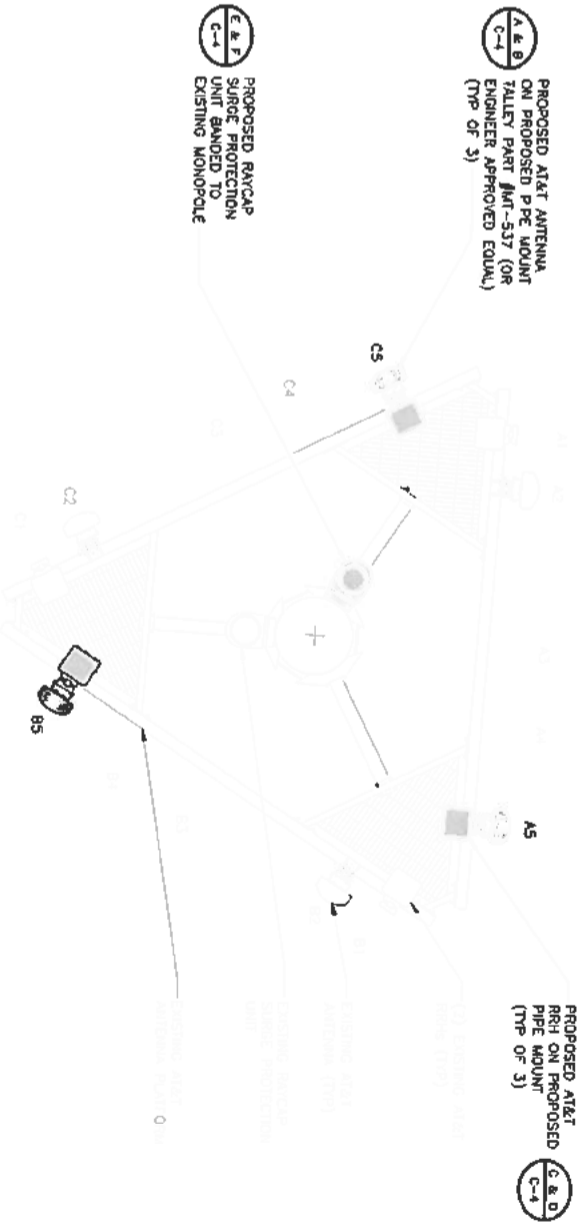
SECTOR	ANTENNA MODEL NUMBER	TECHNOLOGY	AZIMUTH	ANTENNA MODEL NUMBER	TECHNOLOGY	AZIMUTH	DOWNLINK		RAD CENTER	TMA MODEL NUMBER	RRM MODEL NUMBER
							700/950	AMS/1900/WCS			
A1	POWERWAVE d65-17 XH-RR ANDREW SER#-10655DC	UMTS	4	ANDREW SER#-10655DC	UMTS	4	-	-	150'	(2) POWERWAVE LGP 17201	
A2											
A3											
A4											
A5	CSS XDU06-80-R	GSM	4	ANDREW SBMA4-1065C-DL	LTE/GSM	4	-	1	150'	-	ALCATEL-LUCENT RRH425-HCS-4R ALCATEL-LUCENT 344E RRH2400-07-4L RRH2400-19100A 4R
B1	KATHREN 6-D 10765 ANDREW SER#-10655DC	UMTS	124	ANDREW SER#-10655DC	UMTS	124	-	-	150'	(2) POWERWAVE LGP 17201	
B2											
B3											
B4											
B5	CSS XDU06-80-R	GSM	124	ANDREW SBMA4-1065B-DL	LTE/GSM	124	-	1	150'	-	ALCATEL-LUCENT RRH425-WCS-4R ALCATEL-LUCENT 344E RRH2400-07-4L RRH2400-19100A 4R
C1	KATHREN 6-D 10765 ANDREW SER#-10655DC	UMTS	244	ANDREW SER#-10655DC	UMTS	244	-	-	150'	(2) POWERWAVE LGP 17201	
C2											
C3											
C4											
C5	CSS XDU06-80-R	GSM	244	ANDREW SBMA4-1065C-DL	LTE/GSM	244	-	4	150'	-	ALCATEL-LUCENT RRH425-WCS-4R ALCATEL-LUCENT 344E RRH2400-07-4L RRH2400-19100A 4R

RFDS VERSION: CONTRACTOR IS TO REFER TO AT&T'S MOST CURRENT RADIO FREQUENCY DATA SHEET (RFDS) PRIOR TO CONSTRUCTION.
* EXISTING ANTENNA TO BE REMOVED.

ANTENNA CONFIGURATION



PROPOSED COAX ROUTING LAYOUT



- NOTES**
- SEE ANTENNA CONFIGURATION FOR MODEL N, ABERG AND AZIMUTHS.
 - EXACT PLACEMENT OF RRHS TO BE FIELD VERIFIED AND NOT EXCEED ANTENNA DIMENSIONS ON TOWER.
 - PROPOSED EQUIPMENT MOUNTED TO THE TOWER LEG TO BE INSTALLED IN A MANNER THAT DOES NOT INTERFERE WITH CLIMBING APPARATUS.
 - ANTENNAS SHALL BE LOCATED SPECIFICALLY AS SHOWN, PER THE ANTENNA MOUNT ANALYSIS, FOR LOAD DISTRIBUTION.

EXISTING ANTENNA LAYOUT

NO SCALE

C

PROPOSED ANTENNA LAYOUT

NO SCALE

D



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BLACK & VEATCH

6900 W. 115TH ST, SUITE 229Z
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PROJECT NO: 12903
DRAWN BY: MBS
CHECKED BY: UP

REV	DATE	DESCRIPTION
A	02/29/18	ISSUED FOR REVIEW

PRELIMINARY

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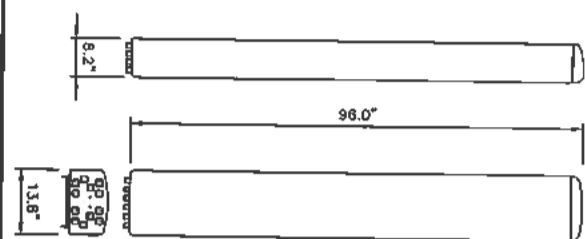
SHEET TITLE
ANTENNA LAYOUT
AND SCHEDULE

SHEET NUMBER
C-3

ANDREW SBJAH4-1D65C-DL

WIDTH: 13.8" (350mm)
 DEPTH: 8.2" (208mm)
 HEIGHT: 96.0" (2438mm)
 TOTAL WEIGHT (WITHOUT BRACKETS): 74.3 LBS (33.7 kg)
 CONNECTOR INTERFACE: 4.3-10 FEMALE
 RF CONNECTOR LOCATION: BOTTOM
 RF CONNECTOR QUANTITY: 12

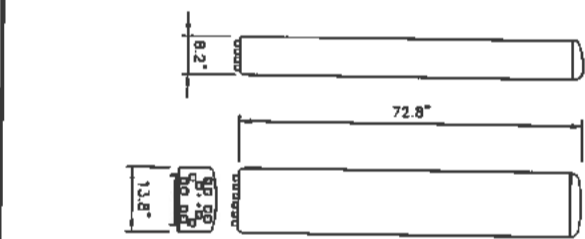
ALPHA SECTOR



ANDREW SBJAH4-1D65B-DL

WIDTH: 13.8" (350mm)
 DEPTH: 8.2" (208mm)
 HEIGHT: 72.8" (1850mm)
 TOTAL WEIGHT (WITHOUT BRACKETS): 58.0 LBS (26.3 kg)
 CONNECTOR INTERFACE: 4.3-10 FEMALE
 RF CONNECTOR LOCATION: BOTTOM
 RF CONNECTOR QUANTITY: 12

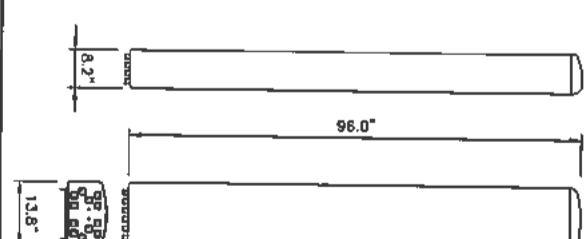
BETA SECTOR



ANDREW SBJAH4-1D65C-DL

WIDTH: 13.8" (350mm)
 DEPTH: 8.2" (208mm)
 HEIGHT: 96.0" (2438mm)
 TOTAL WEIGHT (WITHOUT BRACKETS): 74.3 LBS (33.7 kg)
 CONNECTOR INTERFACE: 4.3-10 FEMALE
 RF CONNECTOR LOCATION: BOTTOM
 RF CONNECTOR QUANTITY: 12

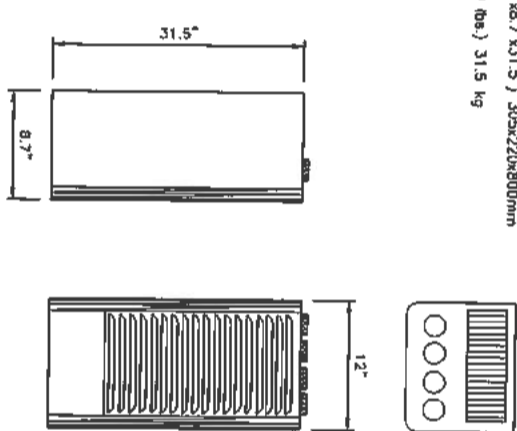
GAMMA SECTOR



PROPOSED LTE ANTENNA SPECIFICATIONS

ALCATEL-LUCENT RRH4X25-WCS-4R

DIMENSIONS, WxHxD: (12"x8.7"x31.5") 305x220x800mm
 WEIGHT, WITHOUT MOUNTING KIT: (70 lbs.) 31.5 kg

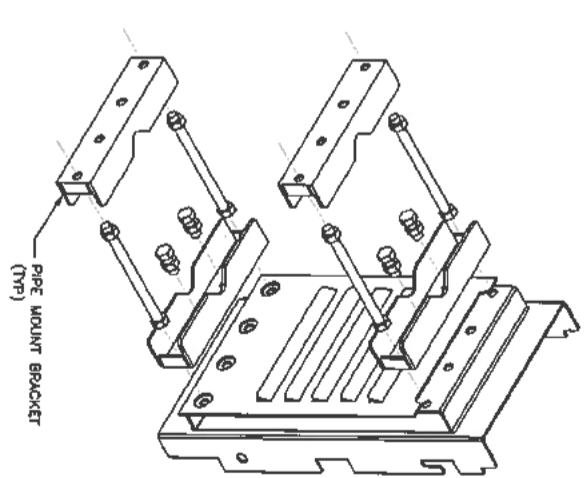


RRH SPECIFICATIONS (WCS)

NO SCALE

SINGLE RRH MOUNTING PLATE DETAIL

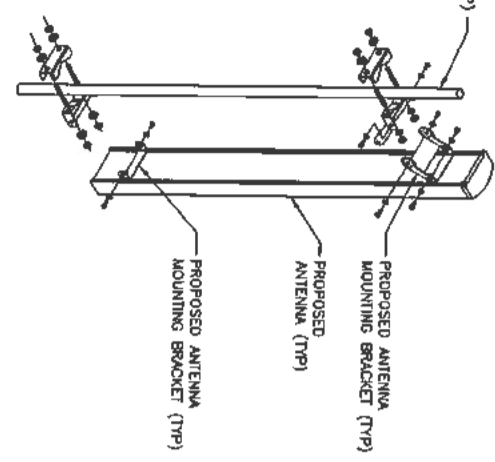
NO SCALE



NOTE
 1. CLOSURE DELINEABLE SHALL INCLUDE PHOTOS OF ALL MOUNTING HARDWARE INSTALLED TIGHT AND MARKED.

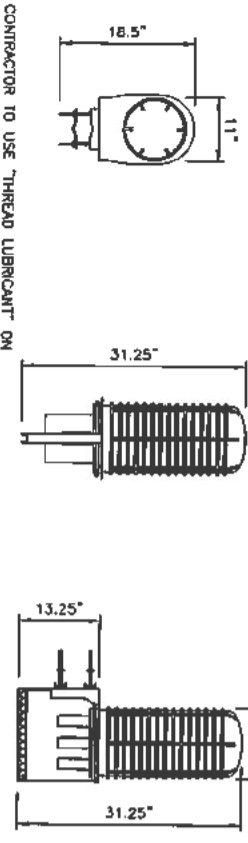
ANTENNA PIPE MOUNTING DETAIL

NO SCALE



RAYCAP DC6-48-60-0-8F

DIMENSIONS, DxDH: 280x794mm (11"x31.25")
 NOMINAL OPERATING VOLTAGE: 48 VDC
 NOMINAL DISCHARGE CURRENT: 20 MA @ 20MHz
 MAXIMUM DISCHARGE CURRENT: 60 MA @ 20MHz
 MAXIMUM CONTINUOUS OPERATING VOLTAGE: 75 VDC
 VOLTAGE PROTECTION RATING: 400 V
 WIND LOADS:
 150 MPH SUSTAINED (105.7 lbs)
 195 MPH GUST (213.8 lbs)
 TOTAL WEIGHT: 32.8 lbs



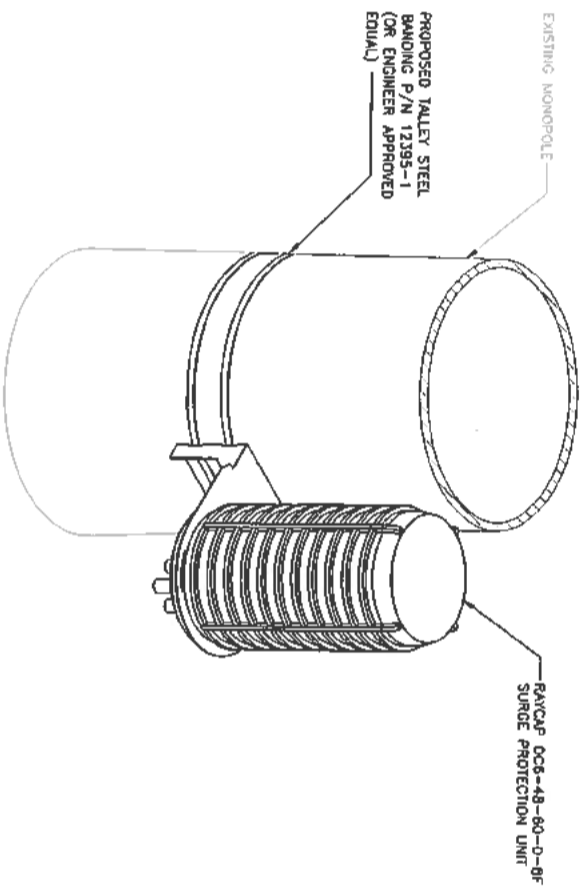
CONTRACTOR TO USE "THREAD LUBRICANT" ON MOUNTING BOLTS DURING INSTALLATION

DC ONLY SURGE SUPPRESSOR DETAIL

NO SCALE

TOWER BANDING DETAIL

NO SCALE



PRELIMINARY

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PRAIRIE VILLAGE
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SHEET TITLE
EQUIPMENT DETAILS

SHEET NUMBER
C-4

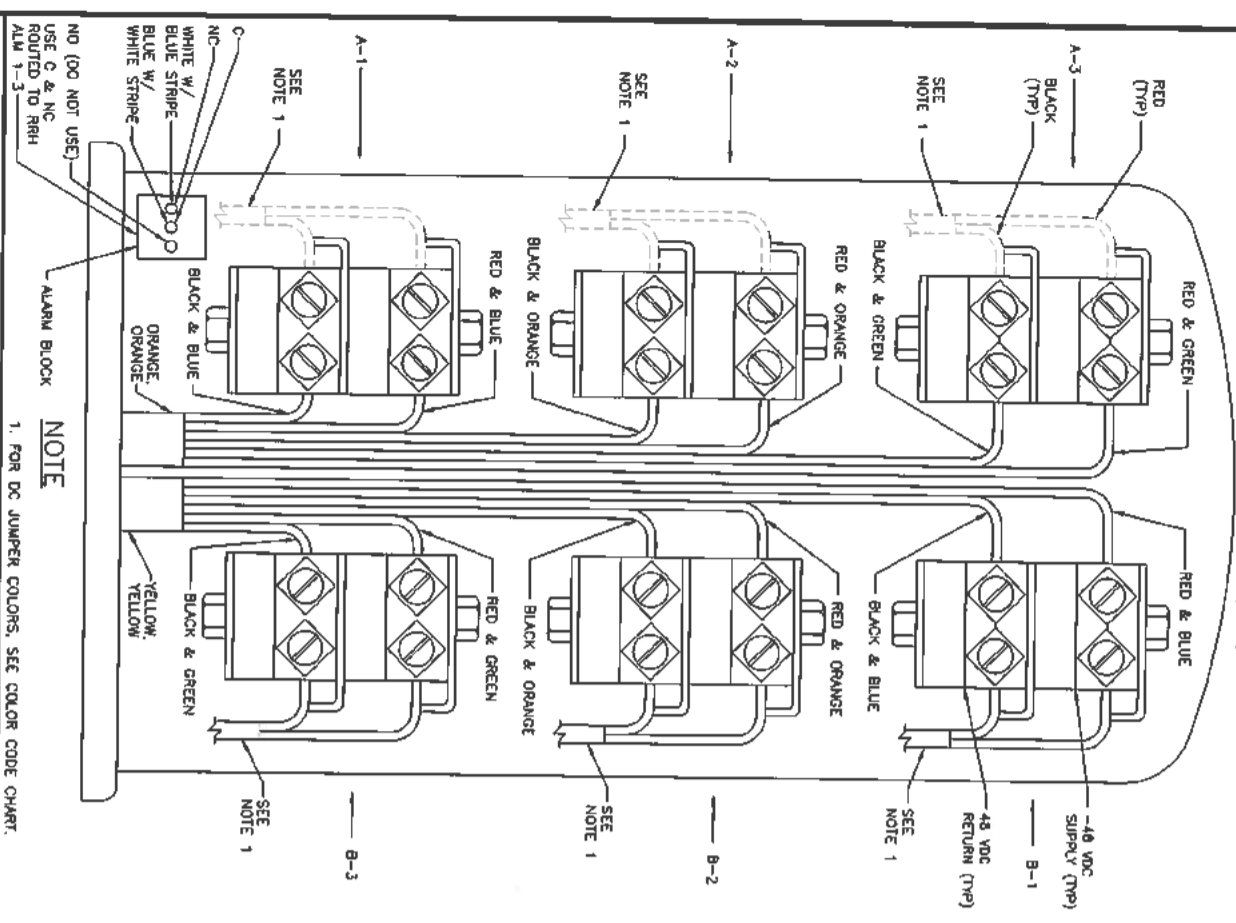


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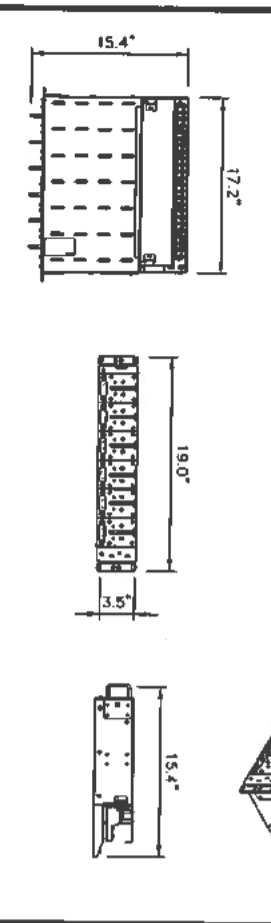
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REV	DATE	DESCRIPTION
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DC SURGE SUPPRESSION SOLUTION

RAYCAP DC12-48-60-RM
 DIMENSIONS: WxDxH: 483x89x392mm (19.0"x3.5"x15.4")

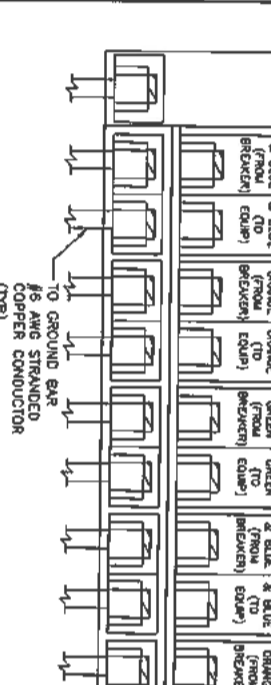
NOMINAL OPERATING VOLTAGE: 48 VDC
 NOMINAL DISCHARGE CURRENT: 20 IA 8/20µs
 MAXIMUM DISCHARGE CURRENT: 60 IA 8/20µs
 MAXIMUM CONTINUOUS OPERATING VOLTAGE: 75 VDC
 VOLTAGE PROTECTION RATING: 400 V
 TOTAL WEIGHT: 27 lbs



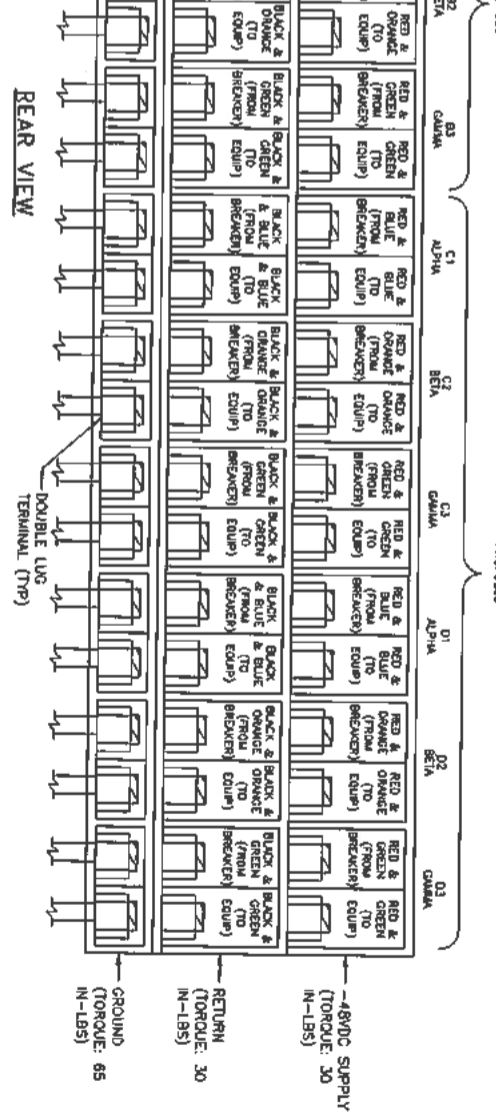
DC SURGE SUPPRESSION SOLUTION

DCG-48-60-0-8F
 DIMENSIONS: WxDxH: 483x89x392mm (19.0"x3.5"x15.4")

NOMINAL OPERATING VOLTAGE: 48 VDC
 NOMINAL DISCHARGE CURRENT: 20 IA 8/20µs
 MAXIMUM DISCHARGE CURRENT: 60 IA 8/20µs
 MAXIMUM CONTINUOUS OPERATING VOLTAGE: 75 VDC
 VOLTAGE PROTECTION RATING: 400 V
 TOTAL WEIGHT: 27 lbs



NO SCALE	F
NO SCALE	A
NO SCALE	B
NO SCALE	C
NO SCALE	D
NO SCALE	E



DC SURGE SUPPRESSOR DETAIL

DC SURGE SUPPRESSION SOLUTION

DC12-48-60-RM DC SURGE SUPPRESSION SOLUTION WIRE DIAGRAM

REAR VIEW

DC12-48-60-RM DC SURGE SUPPRESSION SOLUTION WIRE DIAGRAM

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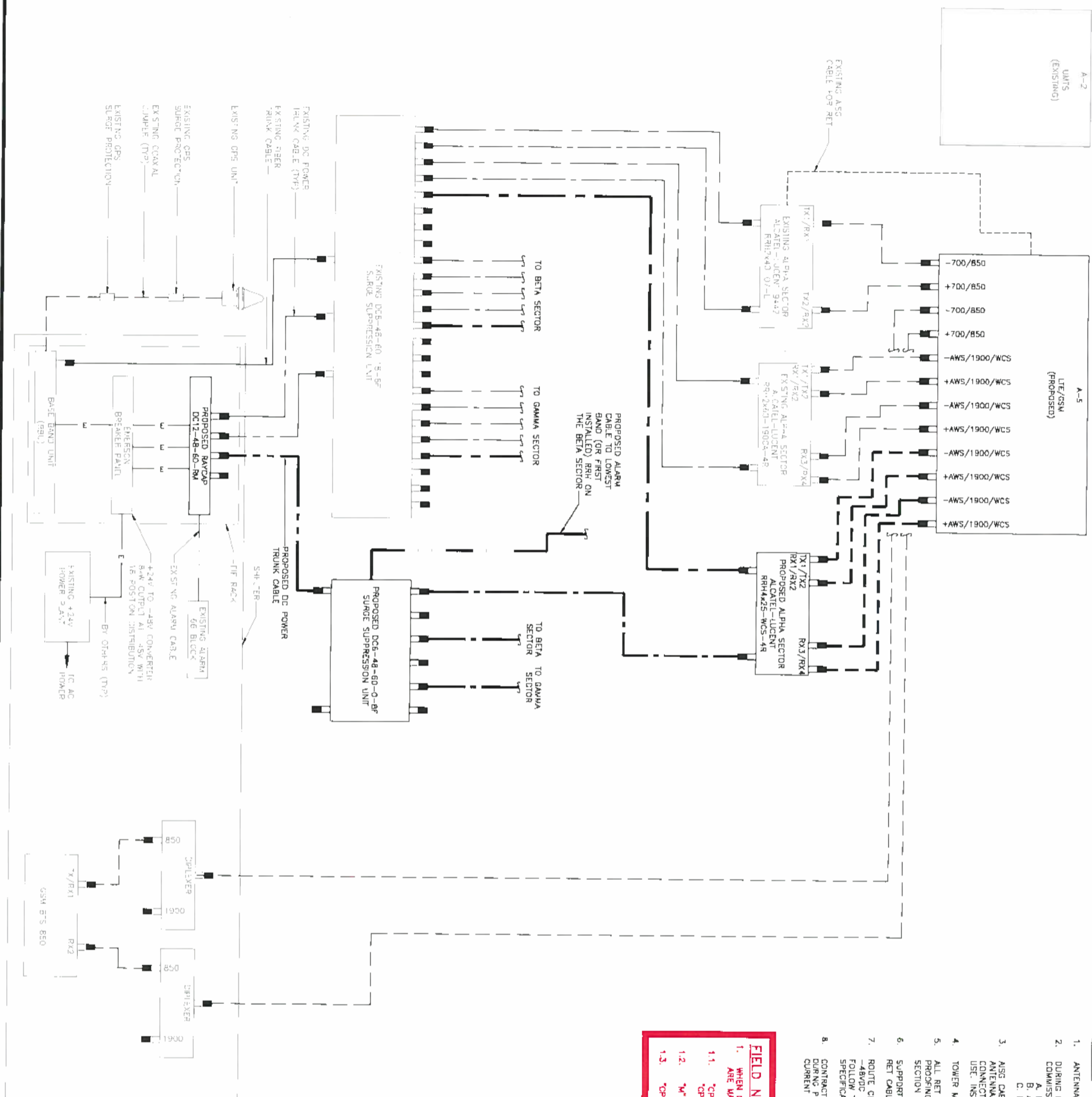
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 3C LTE

SHEET TITLE
 EQUIPMENT DETAILS

SHEET NUMBER
C-5

TYPICAL CONFIGURATION AS VIEWED FROM REAR OF ANTENNA



NOTES

1. ANTENNA CONFIGURATION IS SHOWN DIAGRAMMATICALLY ONLY AS A REPRESENTATION.
2. DURING INSTALLATION, RECORD THE FOLLOWING INFORMATION FOR USE DURING THE COMMISSIONING PHASE:
 - A. RET ACTUATOR/MOTOR SERIAL NUMBER
 - B. ANTENNA SERIAL NUMBER
 - C. LOCATION (SECTOR IN WHICH THE ANTENNA WILL OPERATE)
3. ASSG CABLES PROVIDE CONTROL AND POWER TO ELECTRICAL DOWN TILT CRANES ON THE ANTENNAS. THE CABLES ARE FACTORY ASSEMBLED WITH ONE MALE AND ONE FEMALE CONNECTOR ON EACH END SUPPORT EVERY 18" USING THE WRAPS SUITABLE FOR OUTDOOR USE. INSTALL DRIP LOOPS AT EVERY LOCATION WHERE WATER MAY ACCUMULATE.
4. TOWER MOUNT APPLICATION WILL DICTATE THE LENGTH OF CABLE TO BE USED.
5. ALL RET CONNECTIONS SHALL BE WEATHERPROOFED. PREFERRED METHOD OF WEATHER PROOFING SHALL BE TO HEAT SHRINK ALL RET CONNECTIONS PER N3-135 RET GUIDELINES SECTION 3.3 ASSG (RS 485) CABLE - ALL CABLE CONNECTIONS REQUIRE WEATHERPROOFING.
6. SUPPORT RET ASSG CABLE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. RET CABLE TO BE SUPPORTED USING 1/2" CLIPS WITH 3/8" RUBBER INSERT CRIMMERS.
7. ROUTE CIRCUITS IN CABLE TRAY OR ENT CONDUITS TO THE EXISTING +24VDC PDU OR -48VDC PDU PANELS. PROVIDE THE APPROPRIATE SIZE OF OVERCURRENT PROTECTION AND FOLLOW THE TERMINATION PROCEDURES IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS AND RECOMMENDATIONS.
8. CONTRACTOR TO FIELD VERIFY IF GPRS SECTOR RECONFIGURABLE FEATURE (GSRF) WAS INSTALLED DURING PREVIOUS APPLICATIONS. IF GSRF WAS INSTALLED, CONTRACTOR TO REMOVE AND FOLLOW CURRENT LTE CONFIGURATION.

FIELD NOTE

1. WHEN CONNECTING FIBER JUMPERS TO THE BOTTOM OF THE RRH, IF CONNECTION PORTS ARE MARKED AS FOLLOWS CONNECT TO THE APPROPRIATE PORT LISTED BELOW:
 - 1.1. "Cpri_Pri" (PRIMARY PORT) AND "Cpri_Sec" (SECONDARY PORT)-CONNECT TO THE "Cpri_Pri" PORT.
 - 1.2. "S" (MASTER PORT) AND "S" (SLAVE PORT)-CONNECT TO THE "S" PORT.
 - 1.3. "Cpri-1" AND "Cpri-2" - CONNECT TO THE "Cpri-1" PORT.

LEGEND

DIN MALE	■
DIN FEMALE	□
PROPOSED CORKAL JUMPER	---
EXISTING CORKAL JUMPER	---
PROPOSED FIBER JUMPER	---
EXISTING FIBER JUMPER	---
PROPOSED DC JUMPER	---
EXISTING DC JUMPER	---
PROPOSED FIBER TRUNK	---
EXISTING FIBER TRUNK	---
PROPOSED DC TRUNK	---
EXISTING DC TRUNK	---
ALARM CABLE	---
EXISTING ALARM CABLE	---
PROPOSED RET CABLE	---
EXISTING RET CABLE	---
BY OTHERS	---
FUTURE CABLES	---



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OVERLAND PARK, KS 66204



BLACK & VEATCH

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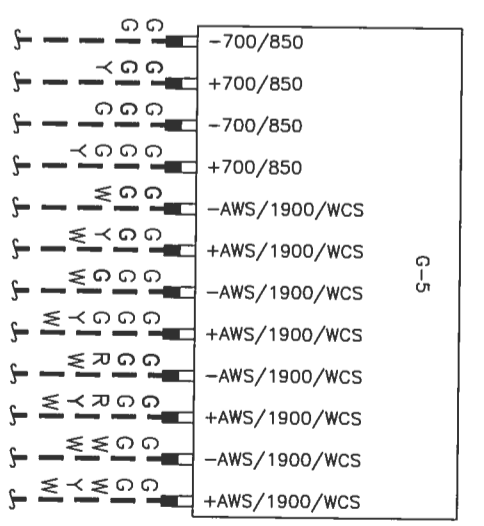
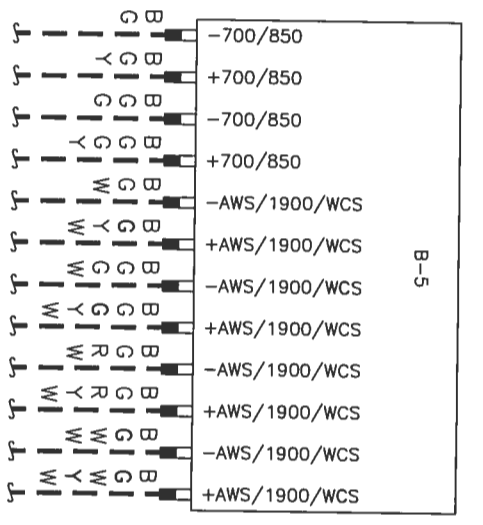
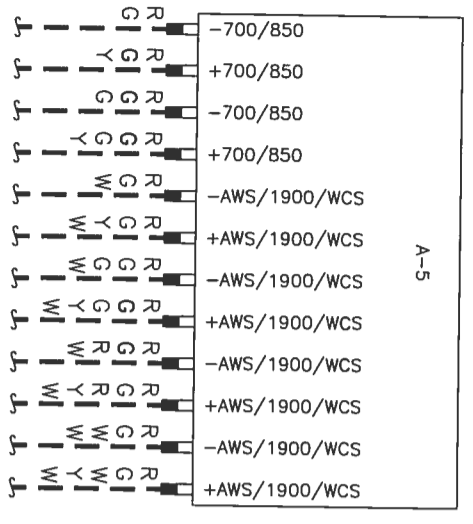
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PRAIRIE VILLAGE
KSS5025
7701 MISSION ROAD
PRAIRIE VILLAGE, KS 66208
3C LTE

SHEET TITLE
LTE CONFIGURATION

SHEET NUMBER
RF-1



LEGEND

R	RED
B	BLUE
S	SLATE
O	ORANGE
Br	BROWN
Y	YELLOW
W	WHITE

12-PORT LTE ANTENNA COLOR CODING

NO SCALE A

NOT USED

NO SCALE B

NOT USED

NO SCALE C



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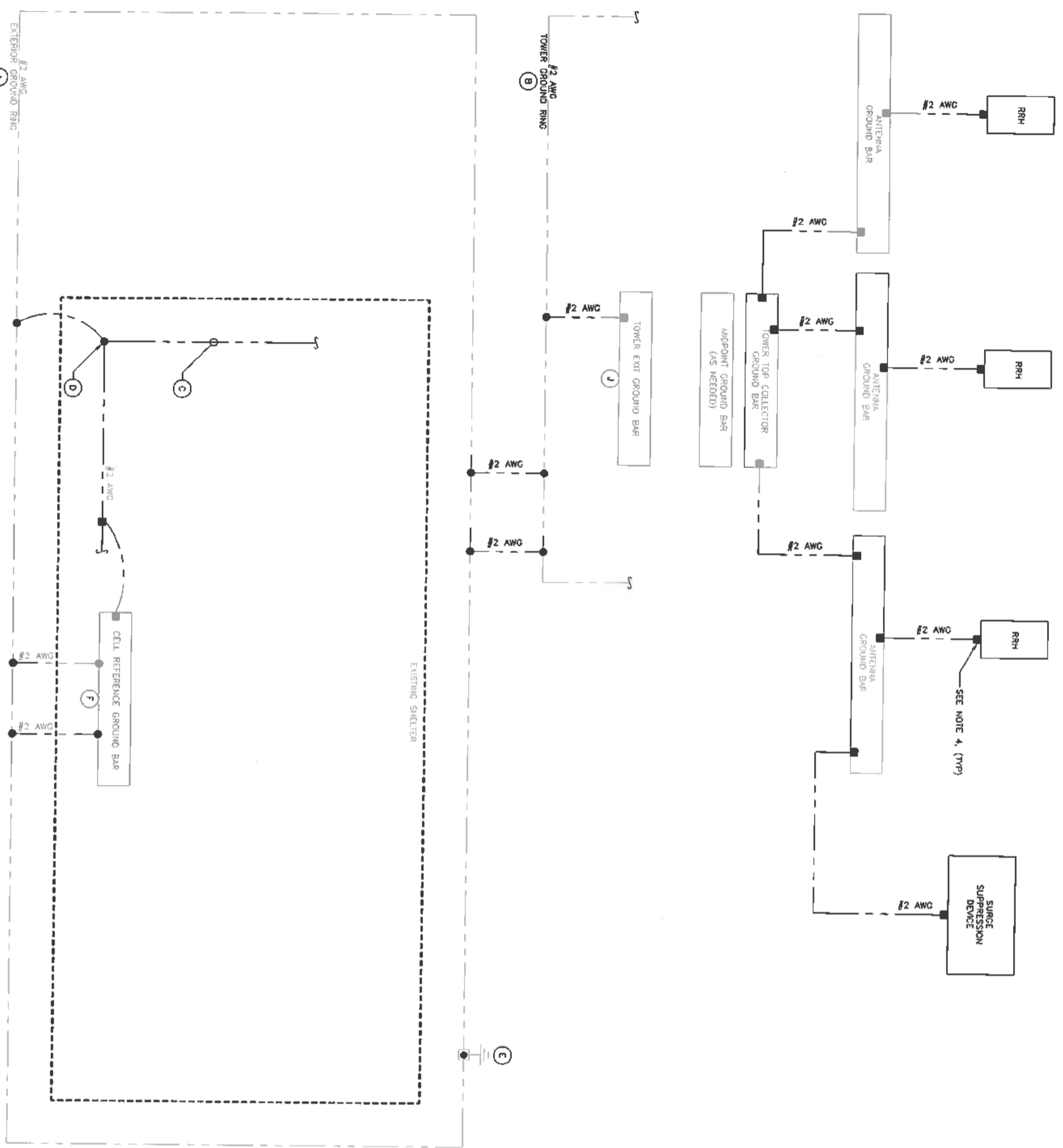
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3C LTE

SHEET TITLE
CABLE COLOR CODING

SHEET NUMBER
RF-2



TOWER ANTENNA EQUIPMENT GROUNDING ONE-LINE

NO SCALE A

- LEGEND**
- GROUND ROD
 - MECHANICAL CONNECTION
 - ⊕ TEST GROUND ROD WITH INSPECTION SLEEVE
- NOTES**
1. GROUNDING IS SHOWN DIAGRAMMATICALLY ONLY.
 2. CONDUCTORS SHALL BE AS A COMPLETE SYSTEM. GROUNDING SHALL BE IN COMPLIANCE WITH NEC SECTION 250 AND ALL GROUNDING AND BONDING REQUIREMENTS (ATT-TP-76416) AND MANUFACTURER'S SPECIFICATIONS.
 3. ALL GROUND CONDUCTORS SHALL BE COPPER. NO ALUMINUM CONDUCTORS SHALL BE USED.
 4. FOR ALUMINUM-LUCCENT 850 AND 1900 RRH'S, TWO GROUNDS ARE REQUIRED (TOP AND BOTTOM).

- NOTES**
- A. EXTERIOR GROUND RING: #2 AWG SOLID COPPER, BURIED AT A DEPTH OF AT LEAST 30 INCHES BELOW GRADE, OR 6 INCHES BELOW THE FROST LINE AND APPROXIMATELY 24 INCHES FROM THE EXTERIOR WALL OR FOOTING. (ATT-TP-76416 2.2.3.5/7.5.1)
 - B. TOWER GROUND RING: THE GROUND RING SYSTEM SHALL BE INSTALLED AROUND AN ANTENNA TOWER'S LEGS, AND/OR GUY ANCHORS, WHERE SEPARATE SYSTEMS HAVE BEEN PROVIDED FOR THE TOWER AND THE BUILDING. AT LEAST TWO BONDS SHALL BE MADE BETWEEN THE TOWER RING GROUND SYSTEM AND THE BUILDING RING GROUND SYSTEM USING MINIMUM #2 AWG SOLID COPPER CONDUCTORS. (ATT-TP-76416 7.5.1)
 - C. INTERIOR GROUND RING: #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTOR EXTENDED AROUND THE PERIMETER OF THE EQUIPMENT AREA. ALL SHALL BE GROUNDED TO THE INTERIOR GROUND RING WITH #6 AWG STRANDED GREEN INSULATED CONDUCTOR. (ATT-TP-76416 7.6.4)
 - D. BOND TO INTERIOR GROUND RING: #2 AWG SOLID TINNED COPPER WIRE PRIMARY BONDS SHALL BE PROVIDED AT LEAST AT FOUR POINTS ON THE INTERIOR GROUND RING, COATED AT THE CORNERS OF THE BUILDING. (ATT-TP-76416 7.5.2.2)
 - E. GROUND ROD: UL LISTED COPPER CLAD STEEL, MINIMUM 5/8" DIAMETER BY EIGHT FEET LONG. ALL GROUND RODS MAY BE INSTALLED WITH INSPECTION SLEEVES. GROUND RODS SHALL BE DRIVEN TO THE DEPTH OF GROUND RING CONDUCTOR. (ATT-TP-76416 1.4 / 2.2.3.10)
 - F. CELL REFERENCE GROUND BAR: POINT OF GROUND REFERENCE FOR ALL COMMUNICATIONS EQUIPMENT FRAMES. ALL BONDS ARE MADE WITH #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTORS. BOND TO GROUND RING WITH (2) #2 AWG SOLID TINNED COPPER CONDUCTORS. (ATT-TP-76416 7.8.7)
 - G. HATCH PLATE GROUND BAR: BOND TO THE INTERIOR GROUND RING WITH TWO #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTORS. WHEN A HATCH-PLATE AND A CELL REFERENCE GROUND BAR ARE BOTH PRESENT, THE CRIB MUST BE CONNECTED TO THE HATCH-PLATE AND TO THE INTERIOR GROUND RING USING TWO #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTORS.
 - H. EXTERIOR CABLE ENTRY POINT GROUND BARS: LOCATED AT THE ENTRANCE TO THE CELL SITE BUILDING. BOND TO GROUND RING WITH A #2 AWG SOLID TINNED COPPER CONDUCTORS WITH AN EXOTHERMIC WELD AND INSPECTION SLEEVE. (ATT-TP-76416 7.6.7.2)
 - I. TOWER EXT GROUND BAR: #2 AWG SOLID TINNED COPPER BOND TO THE TOWER GROUND RING. (ATT-TP-76416 7.5.5)
 - J. TOWER GROUND RING: BOND TO BOTH CELL REFERENCE GROUND BAR AND EXTERIOR GROUND RING. (ATT-TP-76416 7.6.8)
 - K. FRAME BONDING: THE BONDING POINT FOR TELECOM EQUIPMENT FRAMES SHALL BE THE GROUND BUS THAT IS NOT ISOLATED FROM THE EQUIPMENT METAL FRAMEWORK. BOND THE FRAME GROUND BUS TO THE "T" SECTION OF THE CELL REFERENCE GROUND BAR. (ATT-TP-76416 7.8)
 - L. INTERIOR UNIT BONDS: METAL FRAMES, CABINETS AND INDIVIDUAL METALLIC UNITS LOCATED WITHIN THE AREA OF THE INTERIOR GROUND RING REQUIRE A #6 AWG STRANDED GREEN INSULATED COPPER BOND TO THE INTERIOR GROUND RING. (ATT-TP-76416 7.12.3.1)
 - M. FENCE AND GATE GROUNDING: METAL FENCES WITHIN 7 FEET OF THE EXTERIOR GROUND RING OR OBJECTS BOUNDED TO THE EXTERIOR GROUND RING SHALL BE BOUNDED TO THE GROUND RING WITH A #2 AWG SOLID TINNED COPPER CONDUCTOR AT EACH INTERVAL, NOT EXCEEDING 25 FEET. BONDS SHALL BE MADE AT EACH GATE POST AND ACROSS GATE OPENINGS. (ATT-TP-76416 7.12.2.2)
 - N. EXTERIOR UNIT BONDS: METALLIC OBJECTS, EXTERNAL TO OR MOUNTED TO THE BUILDING, SHALL BE BOUNDED TO THE EXTERIOR GROUND RING. (ATT-TP-76416 7.12.2)
 - O. ICE BRIDGE SUPPERS: EACH ICE BRIDGE LEG SHALL BE BOUNDED TO THE GROUND RING WITH #2 AWG BARE TINNED COPPER CONDUCTOR. PROVIDE EXOTHERMIC WELDS AT BOTH THE ICE BRIDGE LEG AND BURIED GROUND RING. (ATT-TP-76416 7.4.2.6)
 - P. DURING ALL DC POWER SYSTEM CHANGES INCLUDING DC SYSTEM CHANGE OUTS, RECTIFIER REPLACEMENTS OR ADDITIONS, BREAKER DISTRIBUTION CHANGES, BATTERY ADDITIONS, BATTERY REPLACEMENTS AND INSTALLATIONS OR CHANGES TO DC CONVERTER SYSTEMS, IT SHALL BE REQUIRED THAT SERVICES CONTRACTORS VERIFY ALL DC SYSTEMS ARE EQUIPPED WITH A MASTER DC SYSTEM RETURN GROUND CONNECTION FROM THE DC POWER SYSTEM COMMON RETURN BUS DIRECTLY CONNECTED TO THE CELL SITE REFERENCE GROUND BAR (CRGB) PER 1776300 SECTION H 6 AND 1776416 REQUIRE 7-11 REQUIREMENTS.

GROUNDING KEY NOTES

7601 FARLEY
OVERLAND PARK, KS 66204

BLACK & VEATCH

6800 W. 115TH ST., SUITE 2292
OVERLAND PARK, KS 66211
(913) 458-2000

PROJECT NO: 12803
DRAWN BY: MGR
CHECKED BY: LIF

REV	DATE	DESCRIPTION
A	02/29/16	ISSUED FOR REVIEW

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PRAIRIE VILLAGE
KSS025
7701 MISSION ROAD
PRAIRIE VILLAGE, KS 66208
3C LTE

SHEET TITLE
GROUNDING ONE-LINE
ANTENNA EQUIPMENT
SHEET NUMBER
G-1

NEWTON INSTRUMENT COMPANY, INC. BUTNER, N.C.			
NO	REQUIRED	PART NUMBER	DESCRIPTION
1		1/4"x4"x30"	SOLID GROUND BAR
2		A-8056	WALL MOUNTING BRACKET
3		3091-4	INSULATORS
4		3012-1	5/8"-11 1/2" H.H.C.S.
5		3015-8	5/8" LOCKWASHER

EACH GROUND CONDUCTOR TERMINATING ON ANY GROUND BAR SHALL HAVE AN IDENTIFICATION TAG ATTACHED AT EACH END THAT WILL IDENTIFY ITS ORIGIN AND DESTINATION

SECTION "P" - SURGE PROTECTORS
 (EC) CABLE ENTRY PORTS (MATCH PLATES) (#2)
 (EC) TIE-OUT GROUND BAR (#2)
 (EC) COMMERCIAL POWER COMMON NEUTRAL/GROUND BOND (#2)
 (A&T) CELL SITE +24V POWER SUPPLY RETURN BAR (#2)
 (A&T) CELL SITE -48V POWER SUPPLY RETURN BAR (#2)
 (A&T) GENERATOR FRAMEWORK (IF AVAILABLE) (#2)
 (A&T) RECEIVER FRAMES
 (A&T) ANTENNA SUPPRESSION

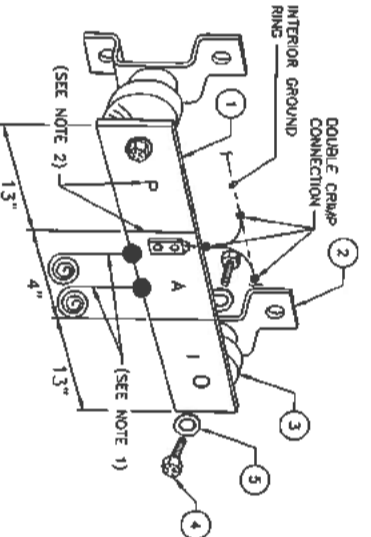
SECTION "A" - SURGE ABSORBERS
 (EC) INTERIOR GROUND RING (#2)
 (EC) EXTERNAL EARTH GROUND FIELD (BURIED GROUND RING) (#2)
 (EC) METALLIC COLD WATER PIPE (IF AVAILABLE) (#2)
 (EC) BUILDING STEEL (IF AVAILABLE) (#2)

SECTION "I" - ISOLATED GROUNDING ZONE
 (A&T) ALL CELL SITE COMMUNICATIONS EQUIPMENT FRAMES

(ORGB) CELL REFERENCE GROUND BAR

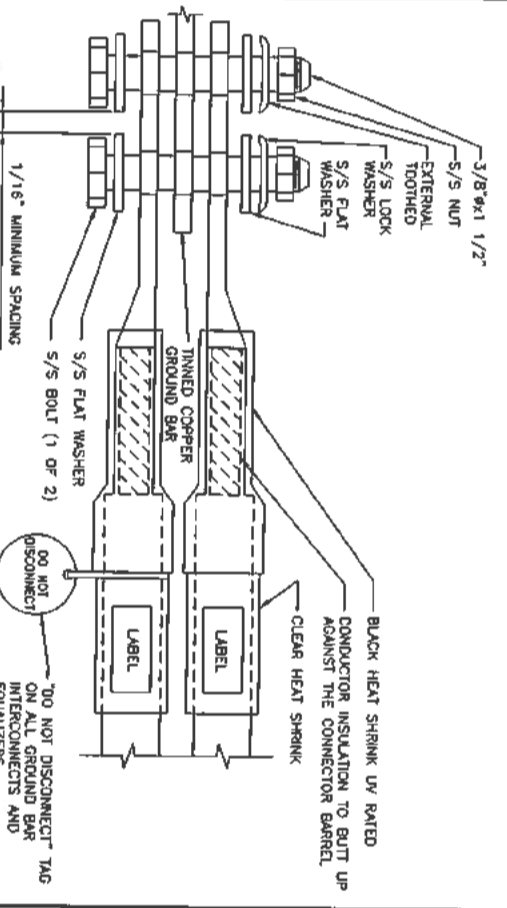
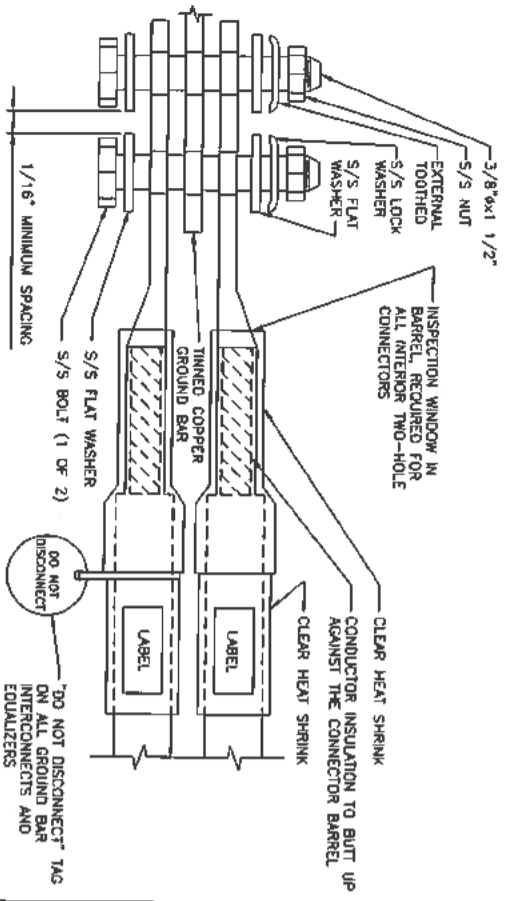
DETAIL NOTES:

- EXOTHERMICALLY WELD #2 AWG BARE TINNED SOLID COPPER CONDUCTOR TO GROUND BAR. ROUTE CONDUCTOR TO BURIED GROUND RING AND PROVIDE PARALLEL EXOTHERMIC WELD.
- EC SHALL PERMANENTLY MARK THE LINES BETWEEN EACH SECTION AND LABEL EACH SECTION ("P", "A", "I") WITH 1" HIGH LETTERS.
- GROUND BAR SHALL BE ENGRAVED PER A&T SPECIFICATIONS TO PREVENT THEFT.



NOTES

- EXOTHERMIC WELD (2) TWO #2 AWG BARE TINNED SOLID COPPER CONDUCTORS TO GROUND BAR. ROUTE CONDUCTORS TO BURIED GROUND RING AND PROVIDE PARALLEL EXOTHERMIC WELD.
- ALL GROUND BARS SHALL BE STAMPED IN TO THE METAL "IF STOLEN DO NOT RECYCLE". THE CONTRACTOR SHALL USE PERMANENT MARKER TO DRAW THE LINES BETWEEN EACH SECTION AND LABEL EACH SECTION ("P", "A", "I") WITH 1" HIGH LETTERS.
- ALL HARDWARE SHALL BE STAINLESS STEEL 3/8" INCH DIAMETER OR LARGER. ALL HARDWARE IS-B-B BEFORE MATING.
- ALL HARDWARE SHALL BE STAINLESS STEEL 3/8" INCH DIAMETER OR LARGER. ALL HARDWARE IS-B-B BEFORE MATING.
- FOR GROUND BOND TO STEEL ONLY: INSERT A COLUMBIUM FLAT WASHER BETWEEN LUG AND STEEL. COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
- DO NOT INSTALL CABLE GROUNDING KIT AT A BEND AND ALWAYS DIRECT GROUNDING CONDUCTOR DOWN TO GROUNDING BUS.
- NUT & WASHER SHALL BE PLACED ON THE FRONT SIDE OF THE GROUND BAR AND BOLTED ON THE BACK SIDE. INSTALL BLACK HEAT-SHRINKING TUBE AND VOID INSULATION ON ALL GROUNDING TERMINATIONS. THE INTENT IS TO WEATHERPROOF THE COMPRESSION CONNECTION.
- SUPPLIED AND INSTALLED BY CONTRACTOR.
- GROUND LUGS SHALL BE TWO-HOLE, LONG BARREL, AND BE SIZED FOR GROUND WIRE. DO NOT BREAK WIRE STANDS OR DEEPLY NICK GROUND WIRE WHEN CRIMPING.
- ENSURE THE WIRE INSULATION TERMINATION IS WITHIN 1/8" OF THE BARREL (NO SHINERS).
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ADDITIONAL GROUND BAR AS REQUIRED, PROVIDING 50X SPARE CONNECTION POINTS.
- INSPECTION WINDOWS REQUIRED ON ALL LUGS INSTALLED INDOORS.
- INSPECTION WINDOWS REQUIRED ON ALL LUGS INSTALLED INDOORS.
- INSPECTION WINDOWS REQUIRED ON ALL LUGS INSTALLED INDOORS.
- INSPECTION WINDOWS REQUIRED ON ALL LUGS INSTALLED INDOORS.
- INSPECTION WINDOWS REQUIRED ON ALL LUGS INSTALLED INDOORS.
- INSPECTION WINDOWS REQUIRED ON ALL LUGS INSTALLED INDOORS.



INTERIOR TWO HOLE LUG

NO SCALE

B

EXTERIOR TWO HOLE LUG

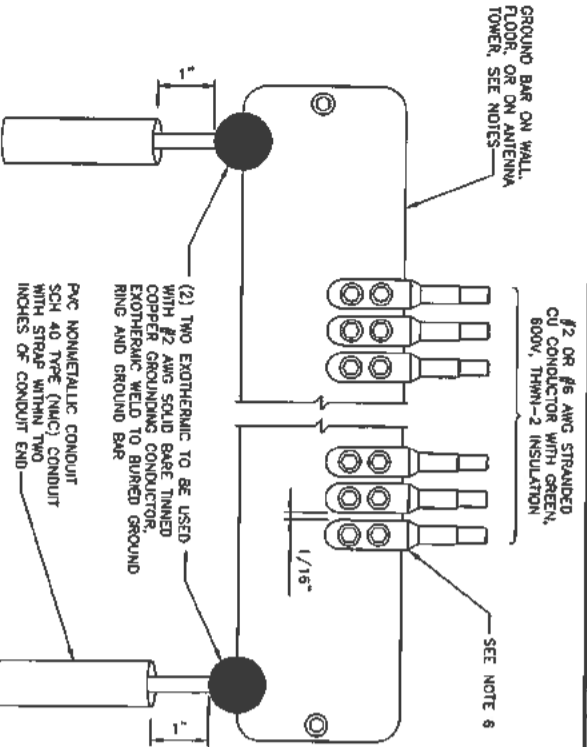
NO SCALE

C

NOT USED

NO SCALE

D



INSTALLATION OF GROUNDING CONDUCTOR TO GROUND BAR

NO SCALE

E

NOT USED

NO SCALE

F

NOT USED

NO SCALE

G

7801 FARLEY OVERLAND PARK, KS 66204

5800 W. 115TH ST. SUITE 2292 OVERLAND PARK, KS 66211 (913) 458-2000

BLACK & VEATCH

PROJECT NO: 12960
 DRAWN BY: MB
 CHECKED BY: L

REV DATE DESCRIPTION
 A 02/29/16 ISSUED FOR REVIEW

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 PRAIRIE VILLAGE, KS 66208
 3C LTE

SHEET TITLE
 GROUNDING DETAILS

SHEET NUMBER
 G-2

EXOTHERMIC CONNECTION	
MECHANICAL CONNECTION	
CHEMICAL ELECTROLYTIC GROUNDING SYSTEM	
TEST CHEMICAL ELECTROLYTIC GROUNDING SYSTEM	
EXOTHERMIC WITH INSPECTION SLEEVE	
GROUNDING BAR	
GROUND ROD	
TEST GROUND ROD WITH INSPECTION SLEEVE	
SINGLE POLE SWITCH	
DUPLEX RECEPTACLE	
DUPLEX GFCI RECEPTACLE	
FLUORESCENT LIGHTING FIXTURE (2) TWO LAMPS 48"-18"	
SMOKE DETECTION (DC)	
EMERGENCY LIGHTING (DC)	
SECURITY LIGHT W/PHOTOCELL LITHONIA ALUM LED-1-25A4400/51K-SR4-120-PE-00B7XD	
CHAINLINK FENCE	
WOOD/WROUGHT IRON FENCE	
WALL STRUCTURE	
LEASE AREA	
PROPERTY LINE (PL)	
SETBACKS	
ICE BRIDGE	
CABLE TRAY	
WATER LINE	
UNDERGROUND POWER	
UNDERGROUND TELCO	
OVERHEAD POWER	
OVERHEAD TELCO	
UNDERGROUND TELCO/POWER	
ABOVE GROUND POWER	
ABOVE GROUND TELCO	
ABOVE GROUND TELCO/POWER WORKPOINT	
SECTION REFERENCE	
DETAIL REFERENCE	

AB	ANCHOR BOLT	LB(S)	POUNDS(S)
ABV	ABOVE	LF	LINEAR FEET
AC	ALTERNATING CURRENT	LTE	LONG TERM EVOLUTION
ADOL	ADDITIONAL	MAS	MASONRY
AF	ABOVE FINISHED FLOOR	MAX	MAXIMUM
AFG	ABOVE FINISHED GRADE	MB	MACHINE BOLT
AG	AMPERAGE INTERRUPTION CAPACITY	MECH	MECHANICAL
ALUM	ALUMINUM	MFR	MANUFACTURER
ALT	ALTERNATE	MOB	MASTER GROUND BAR
ANT	ANTENNA	MIN	MINIMUM
APPROX	APPROXIMATE	MISC	MISCELLANEOUS
ARCH	ARCHITECTURAL	MTL	METAL
ATS	AUTOMATIC TRANSFER SWITCH	MTR	MANUAL TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE	MW	MICROWAVE
BATT	BATTERY	(N)	NEW
BLDG	BUILDING	NEC	NATIONAL ELECTRIC CODE
BLK	BLOCK	NO.(#)	NUMBER
BLVG	BLOCKING	NTS	NOT TO SCALE
BM	BEAM	OC	ON CENTER
BTC	BARE TINNED COPPER CONDUCTOR	OPNG	OPENING
BOF	BOTTOM OF FOOTING	(P)	PROPOSED
CAB	CABINET	F/C	PRECAST CONCRETE
CANT	CANTILEVERED	PCS	PERSONAL COMMUNICATION SERVICES
CHG	CHARGING	PCU	PRIMARY CONTROL UNIT
CLG	CEILING	PRC	PRIMARY RADIO CABINET
CLR	CLEAR	PP	POLYMERIZING PRESERVING
COL	COLUMN	PSF	POUNDS PER SQUARE FOOT
COMM	COMMON	PSI	POUNDS PER SQUARE INCH
CONC	CONCRETE	PT	PRESSURE TREATED
CONSTR	CONSTRUCTION	PWR	POWER CABINET
DBL	DOUBLE	QTY	QUANTITY
DC	DIRECT CURRENT	RAD	RADIUS
DEPT	DEPARTMENT	RECT	RECTIFIER
DF	DOUGLAS FIR	REF	REFERENCE
DIA	DIAMETER	REF	REFERENCE
DIA	DIAGONAL	REIN	REINFORCEMENT
DIM	DIMENSION	REID	REQUIRED
DWG	DRAWING	RET	REMOTE ELECTRIC TILT
DWL	DOWNEL	RMC	RIGID METALLIC CONDUIT
(E)	EXISTING	RMH	REMOTE RADIO HEAD
EA	EACH	RRU	REMOTE RADIO UNIT
EC	ELECTRICAL CONDUCTOR	RWY	RADEWAY
EL	ELEVATION	SCH	SCHEDULE
ELEC	ELECTRICAL	SHT	SHEET
ELECT	ELECTRICAL METALLIC TUBING	SMD	SMART INTEGRATED DEVICE
ENG	ENGINEER	SM	SIMILAR
EQ	EQUAL	SPEC	SPECIFICATION
EXP	EXPANSION	SO	SQUARE
EXT	EXTENSION	SS	STAINLESS STEEL
FAB	FABRICATION	STD	STANDARD
FF	FINISH FLOOR	STL	STEEL
FG	FINISH GRADE	STRUCT	STRUCTURAL
FF	FINISH FLOOR	TEMP	TEMPORARY
FF	FINISH GRADE	THK	THICKNESS
FF	FINISH GRADE	TMA	TOWER MOUNTED AMPLIFIER
FF	FINISH GRADE	TN	TOE NAIL
FF	FINISH GRADE	TOA	TOP OF ANTENNA
FF	FINISH GRADE	TOC	TOP OF CURB
FF	FINISH GRADE	TOF	TOP OF FOUNDATION
FF	FINISH GRADE	TOP	TOP OF PLATE (PARAPET)
FF	FINISH GRADE	TOS	TOP OF STEEL
FF	FINISH GRADE	TOW	TOP OF WALL
FF	FINISH GRADE	TVSS	TRANSIENT VOLTAGE SUPPRESSION SYSTEM
FF	FINISH GRADE	TP	TYPICAL
FF	FINISH GRADE	UG	UNDERGROUND
FF	FINISH GRADE	UL	UNDERWRITERS LABORATORY
FF	FINISH GRADE	UNO	UNLESS NOTED OTHERWISE
FF	FINISH GRADE	UNTS	UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM
FF	FINISH GRADE	UPS	UNINTERRUPTIBLE POWER SYSTEM (DC POWER PLANT)
FF	FINISH GRADE	VIF	VERIFIED IN FIELD
FF	FINISH GRADE	W	WIDE
FF	FINISH GRADE	W/	WITH
FF	FINISH GRADE	WD	WOOD
FF	FINISH GRADE	W.P.	WORK POINT
FF	FINISH GRADE	WP	WEATHERPROOF
FF	FINISH GRADE	WT	WEIGHT

LEGEND

ABBREVIATIONS

PRELIMINARY

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7801 FARLEY
OVERLAND PARK, KS 66204

6800 W. 115TH ST, SUITE 2292
OVERLAND PARK, KS 66211
(913) 498-2000

PROJECT NO: 12901

DRAWN BY: MB

CHECKED BY: LI

REV	DATE	DESCRIPTION
A	02/28/16	ISSUED FOR REVIEW

SHEET TITLE
LEGEND & ABBREVIATIONS

SHEET NUMBER
GN-1

GENERAL ELECTRICAL NOTES

PART 1 - GENERAL

- 1.1 GENERAL CONDITIONS
A. CONTRACTOR SHALL INSPECT THE EXISTING SITE CONDITIONS PRIOR TO SUBMITTING BID...

1.2 REFERENCES

- 1. THE PUBLICATIONS LISTED BELOW ARE PART OF THIS SPECIFICATION...
2. ASTM (AMERICAN NATIONAL STANDARDS INSTITUTE)
3. IEEE (AMERICAN SOCIETY FOR TESTING AND MATERIALS)

1.4 SCOPE OF WORK

- A. WORK UNDER THIS SECTION SHALL CONSIST OF FURNISHING ALL LABOR, MATERIAL, AND ASSOCIATED SERVICES REQUIRED TO COMPLETE REQUIRED CONSTRUCTION AND BE OPERATIONAL...

PART 2 - PRODUCTS

- 2.1 GENERAL
A. ALL MATERIALS AND EQUIPMENT SHALL BE UL LISTED, NEW, AND FREE FROM DEFECTS...

- 2.2 MATERIALS AND EQUIPMENT
A. CONDUIT
1. RIGID METAL CONDUIT (RMC) SHALL BE HOT-DIPPED GALVANIZED INSIDE AND OUTSIDE INCLUDING ENDS AND THREADS AND ENAMELED OR LACQUERED INSIDE IN ADDITION TO GALVANIZING...

- 1. DISCONNECT SWITCHES SHALL BE HEAVY DUTY, DEAD-FRONT, QUICK-WAKE, QUICK-BREAK, RATING AS INDICATED...
2. FREESTANDING ELECTRICAL PANELS SHALL BE MADE OF STEEL OR ALUMINUM...

- 2. GROUND ACCESS BOX SHALL BE A POLYESTER BOX FOR NON-TRAFFIC APPLICATIONS...
3. BACKFILL MATERIAL SHALL BE LMCOUNTIE AND LINCOLN GROUNDING GRAVEL...

3.1 EXERCUTION

- A. ALL MATERIAL AND EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS...
1. THE CONTRACTOR SHALL PROVIDE OTHER MATERIALS, THOUGH NOT SPECIFICALLY DESCRIBED...

PART 3 - EXECUTION

- 3.1 GENERAL
A. ALL MATERIAL AND EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS...
3.2 LABOR AND WORKMANSHIP
A. ALL LABOR FOR THE INSTALLATION OF MATERIALS AND EQUIPMENT FURNISHED FOR THE ELECTRICAL SYSTEM SHALL BE INSTALLED BY EXPERIENCED WIRDMEN, IN A NEAT AND WORKMAN-LIKE MANNER...

3.3 CONFORMANCE

- A. THE CONTRACTOR SHALL CORRECT THE INSTALLATION OF ELECTRICAL ITEMS WITH THE OWNER-FURNISHED EQUIPMENT DELIVERY SCHEDULE TO PREVENT UNNECESSARY DELAYS IN THE TOTAL WORK.

3.4 INSTALLATION

- A. CONDUIT
1. ALL ELECTRICAL WIRING SHALL BE INSTALLED IN CONDUIT AS SPECIFIED...
2. PROVIDE RIGID PVC SCHEDULE 80 CONDUITS FOR ALL RISERS, RIGID OTHERWISE NOTED...
3. INSTALL SCH. 40 PVC CONDUIT WITH A MINIMUM COVER OF 2 1/2" UNDER ROADWAYS, PARKING LOTS, STREETS, AND ALLEYS...

- 1. ALL POWER WIRING SHALL BE COLOR CODED AS FOLLOWS:
DESCRIPTION 208/240/120 VOLT SYSTEMS
PHASE A BLACK
PHASE B RED
PHASE C BLUE
NEUTRAL WHITE
GROUNDING GREEN

- 3. PULLING LUBRICANTS SHALL BE UL APPROVED...
4. CABLES SHALL BE NEATLY TRAYED, WITHOUT INTERCROSSING...
5. TIGHTEN GROUNDING AND BONDING CONNECTORS, INCLUDING SCREWS AND BOLTS, IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED TORQUE TIGHTENING VALUES...

3.5 ACCEPTANCE TESTING

- A. CERTIFIED PERSONNEL USING CERTIFIED EQUIPMENT SHALL PERFORM REQUIRED TESTS AND SUBMIT WRITTEN TEST REPORTS UPON COMPLETION...
B. WHEN MATERIAL AND/OR WORKMANSHIP IS FOUND NOT TO COMPLY WITH THE SPECIFIED REQUIREMENTS, THE NON-COMPLYING ITEMS SHALL BE REMOVED FROM THE PROJECT SITE...

7801 FARLEY OVERLAND PARK, KS 66204



BLACK & VEATCH logo and address: 8800 W. 115TH ST, SUITE 2292 OVERLAND PARK, KS 66211 (913) 458-2000

PROJECT NO: 12907
DRAWN BY: MB
CHECKED BY: LJ
REV 02/29/19 BIDD FOR REVIEW

PRELIMINARY

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STAFF REPORT

TO: Prairie Village Planning Commission
FROM: Confluence, Kansas City, Kansas
- Christopher Shires, AICP, Principal
- PJ Novick, ASLA, LEED GA, Principal
DATE: April 5, 2016, Planning Commission Meeting (Confluence Project # 15018KC)

APPLICATION: PC2016-112; PC2016-113 & PC2016-114

REQUEST: Approval of a Final Development Plan and Final Plat.

PROPERTY ADDRESS: 9101 Nall Avenue

APPLICANT: VanTrust Real Estate
Justin Duff, Development Director,
4900 Main Street, STE 400
Kansas City, MO 64112

CURRENT ZONING AND LAND USE: MXD (Mixed Use District) - Meadowbrook Country Club

SURROUNDING ZONING & LAND USE: North: R-1A – Single Family Residential Dwellings
East: R-1A – Single Family Residential Dwellings
South: CP-1 and CP-O – Office and Retail and Overland Park Zoning: R-1 Single Family Residential – Single Family Dwellings

West: Overland Park Zoning: R-1 Single Family Residential – Single Family Dwellings and Church

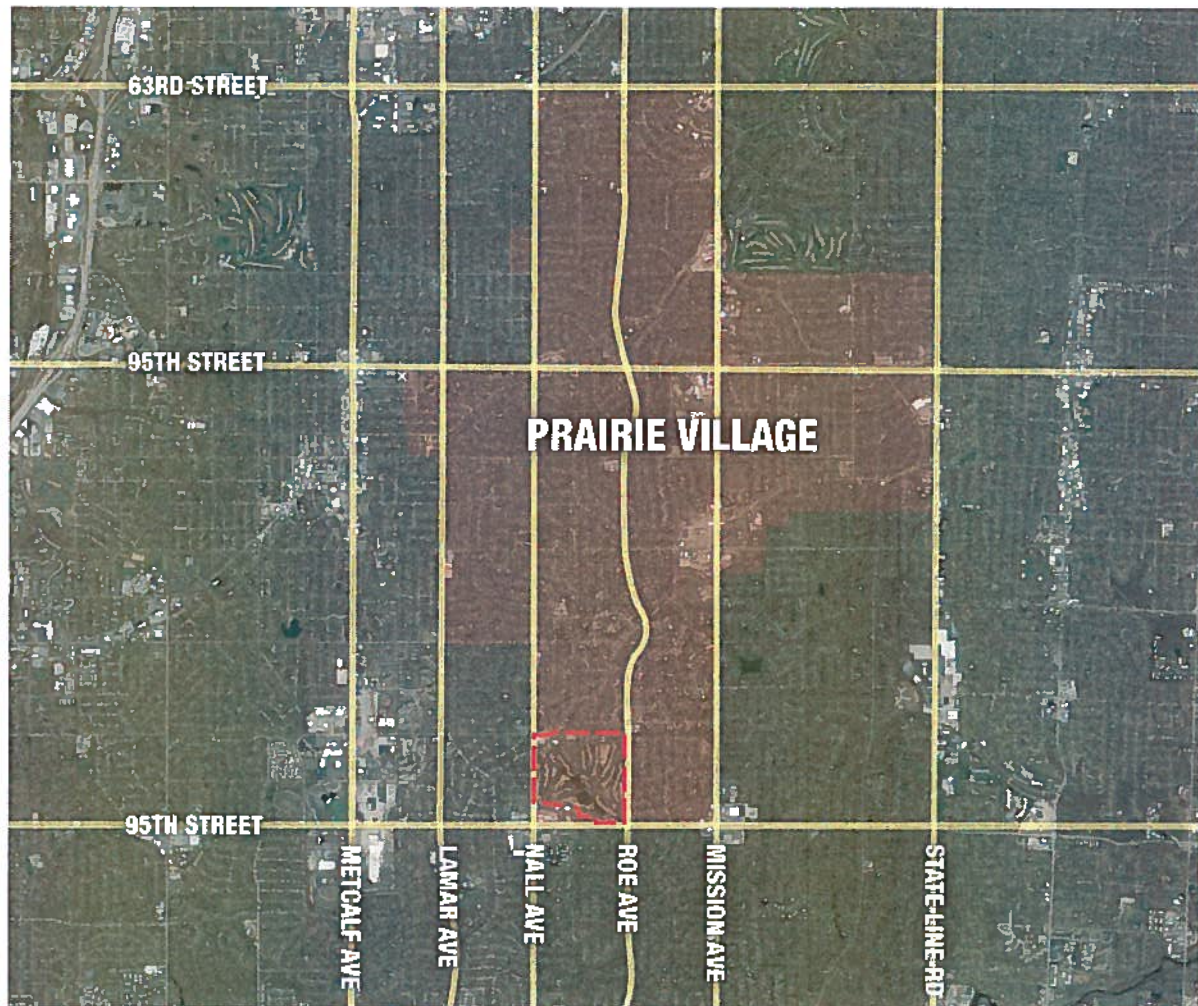
LEGAL DESCRIPTION: (see attachment)

PROPERTY AREA: 135.9 acres

RELATED CASE FILES: PC 2015-09, PC 2015-118, PC 2015-119, PC 2015-002, PC 2016-101, PC 2016-102

ATTACHMENTS: Applications, Final Development Plans, Updated Vision Book, Final Plat

GENERAL LOCATION MAP:



AERIAL MAP:



COMMENTS:

The subject property is the approximate 136 acre Meadowbrook County Club site that is generally bound by Nall Avenue on the west, W. 90th Street on the north, Roe Avenue on the east, and W. 95th Street and the Meadowbrook Village Shopping Center on the south.

The applicant, Van Trust Real Estate, represented by Justin Duff, is requesting approval of a Final Development Plan for the Meadowbrook Park residential lots and apartment complex. Final Development Plans for the senior living center and the hotel will be submitted at a future date for review and consideration of approval. The design and development of the approximate 80 acres of land to be dedicated to the Johnson County Park and Rec District as a public park are not detailed on this Final Development Plan and will be determined as part of a separate process of the County Park and Rec Board. The application is further requesting approval of a Final Plat for the entire Meadowbrook Park site.

Consistent with the approved Preliminary Development Plan, the updated Vision Book for the site proposes the creation of a mixed use development that includes:

- Detached Single Family Homes - 53 homes composed of 20 Cottage Lots, 13 Village Lots and 20 Manor Lots
- Attached Homes - 70 units
- Luxury Apartments - 280 residences
- Inn - 50 rooms with a 5,000 square feet commercial floor area
- Senior Living - 120 units of Independent Living, 120 units of Assisted Living / Memory Care, 90 units of Skilled Nursing Living, with restaurant and ancillary service and amenity space, totaling approximately 8,000 square feet and exterior grand terrace and pool.

The Final Development Plan does not include the hotel or the senior living development. It is intended that Final Development Plans for those projects will be submitted at a future date for review and approval.

On November 12, 2015, the Planning Commission held a public hearing on the requested rezoning of the subject property to MXD (Mixed Use District) including the related Preliminary Development Plan and Preliminary Plat. The Commission adopted a motion to find favorably the findings of fact based on the "golden factors" as detailed in the Commission report dated November 12, 2015, and recommended to the City Council approval of the requested rezoning and proposed Preliminary Development Plan subject to a set of conditions of approval. As part of this action, the Commission also approved the Preliminary Plat for the site.

Following the Commission hearing, on December 7, 2015, the City Council reviewed the applications and the Commission recommendation and approved the rezoning and the Preliminary Development, subject to the following conditions of approval:

1. The applicant addressing the comments from the traffic impact study review conducted by TranSystems.
2. The applicant providing revised plans that identify the necessary improvements to the proposed intersection of Nall Avenue at W. 92nd Terrace to accommodate the proposed boulevard entrance drive including a center left-turn lane on Nall Avenue, verification of sight lines, and adjusting the intersection design to accommodate adequate travel lane alignments.
3. The connection to Roe Avenue shown on the Preliminary Development Plan approved by the Planning Commission as an emergency access road (not open to general public vehicular use) be changed to a public street connecting to Roe Avenue as far north as possible, and that applicant work with the City and with Johnson County Parks and Recreation District in the design of the public street.
4. The applicant finalizing the acquisition of the right-of-way necessary for and constructing the public street connect to 94th Terrace/Rosewood Avenue as proposed, otherwise the Preliminary Development Plan must be brought back to the Commission and Council for review and reconsideration.

5. The applicant agreeing that all major service vehicles for the Senior Living and Inn shall use only the entrance at 94th Terrace/Rosewood Avenue. The applicant shall direct their vendors to avoid am and pm peak traffic hours.
6. The applicant designing the proposed gate at the entrance to the single family area to accommodate emergency vehicle access and include a 'Knox-Box' and a 'yelp' sensor for emergency vehicles to open the gate. The final design of the gated access must be reviewed and approved by the Fire Department and Police Department.
7. The applicant developing pedestrian crossings at the proposed Nall Avenue entrance and the proposed Roe Avenue park entry.
8. The applicant providing detailed elevations and materials for all proposed signage as part of each Final Development Plan and ensuring that all proposed monument signs, structures and landscaping are located outside of any sight visibility zones necessary to accommodate safe vehicular and pedestrian movements at all street intersections. The final signage submittal for the apartment portion of the project shall include all signage within the apartment development as well as all signage within the "public areas" of the entire project.
9. The applicant updating the Preliminary Development Plan to designate that the retaining walls proposed along Nall Avenue to be constructed of or faced with natural stone and labeled as Type A retaining walls.
10. The Planning Commission approving an exception from the retaining wall setback requirement for the retaining wall as proposed along the south property line of the senior living center.
11. Prior to construction, the applicant providing engineered design calculations and plans for all retaining walls exceeding 4 ft. in height.
12. The applicant providing with the Final Development Plan, detailed plans for all trash enclosures and HVAC/building mechanical equipment screening to ensure that all trash

dumpsters, recycling bins, HVAC and building mechanical equipment, etc., is fully screened from view. All screening shall be designed and constructed of materials that are durable and consistent and compatible with the building architecture.

13. The applicant providing details for calculating the parking required for the apartment complex with the Final Development Plan and providing an amount of parking that is acceptable to the City. At a minimum the applicant shall design to provide apartment parking at a rate of 1 stall per bedroom plus guest parking at 15% of total dwelling unit count; and, staff shall work with the applicant throughout the development of the Final Development Plan to verify that the parking total is appropriate and bring a final recommendation to the planning commission.
14. The applicant ensuring that the minimum tree sizes for this project be defined as follows: Large Trees – 3 inch minimum caliper, Ornamental Trees – 3 inch minimum caliper, and Evergreen/Coniferous Trees – 8 ft. minimum height.
15. The applicant updating the Preliminary Development Plan by showing street trees along the streets to the north and south of the open space island that is east of the senior living center; adding trees to the open lawn area of the senior living center building; and additional landscaping in the open space that is west of the Inn.
16. The applicant updating in the Preliminary Development Plan the exterior building material labels for the senior living center building to define “composite material” and “masonry base” consistent with the labeling shown for the Inn and the apartment building.
17. The applicant providing elevations and proposed materials for all pool structures including; restroom structure, shade structure, pump house, trellis, ornamental fencing and landscaping at the Final Development Plan submittal.
18. The applicant addressing all Public Works comments and detailing on the Final Development Plan, the Final Plat(s), and the utility improvement plan(s) all of the existing and proposed storm, sanitary sewer, and water mains, labeling them as public or private,

and labeling the required public or private easements including all other necessary utility easements.

19. Prior to obtaining any permit for construction, the applicant shall submit a Final Development Plan for review and approval by the Planning Commission. Public improvement plans and Final Plat(s) as necessary shall also be submitted by the applicant for review and approval prior to issuance of any permits and start of any construction. It is understood that this development will have multiple Final Development Plan submittals.
20. The applicant shall work with the school district to ensure school bus access to the gated residential development and include this in the Final Development Plan.
21. Staff shall work with the traffic consultant to further review the need for a traffic signal at the Nall Avenue intersection and work towards its installation. This includes working with the City of Overland Park to gain their input and concurrence.
22. All landscaping shown on the Final Development Plan shall be maintained including the replacement of all plant materials lost due to plant death or damage.
23. Maximum height of single family residential structures shall be 45' with an additional 10' allowed for chimneys.
24. Building height for the single family residential structures shall be defined as the dimension from the top of the foundation at the main entry to the ridgeline of the structure.
25. Building height for the apartment and Inn structures shall be defined as the dimension from the FFE (finished floor elevation) at the main entry to the ridgeline of the structure.
26. Building height for the senior housing structures shall be a maximum of 90' from the FFE of the parking garage at the location being measured.

27. Lot widths shown on the Preliminary Plat shall govern and the Vision Book shall be revised at Final Development Plan to reflect the correct dimensions.

Subsequent to the Council approval, the boundary of the Preliminary Development Plan for the Meadowbrook Park was expanded to include the existing office building at 5200 West 94th Terrace in response to the planned platting and construction of a public street through this property that will connect Meadowbrook Park to Rosewood Drive. The plan also includes the construction of a 3-story tall, 6-unit residential condominium building on the remnant parcel that will be on the east side of this new roadway. A separate Final Development Plan is anticipated to be submitted for the condo building at a future date.

STAFF COMMENTS:

There are no outstanding issues. The applicant has updated the Vision Book to address the previous conditions of approval and the Final Development Plans for the residential lots and for the apartment complex are consistent with the approved Preliminary Development Plan. The proposed Final Plat is also consistent with the previously approved Preliminary Plat.

STAFF RECOMMENDATION:

Staff recommends the Commission approve the Final Development Plan (including the updated Vision Book), and the Final Plat, subject to the following conditions of approval:

1. Prior to filing the Final Plat with the County, the applicant providing all necessary legal documents and easements for dedication.
2. Prior to start of any construction, the applicant providing and receiving approval for the necessary public improvement plans.
3. Consistent with the conditions of approval for the Preliminary Development Plan, the applicant agreeing to maintain and keep clear of snow the emergency vehicle road to be installed along the east end of the apartment complex and agreeing to install a 'Knox-Box' and a 'yelp' sensor for emergency vehicles to open the gate planned at the entrance to the single family area to accommodate emergency vehicle access.



MEADOWBROOK PARK

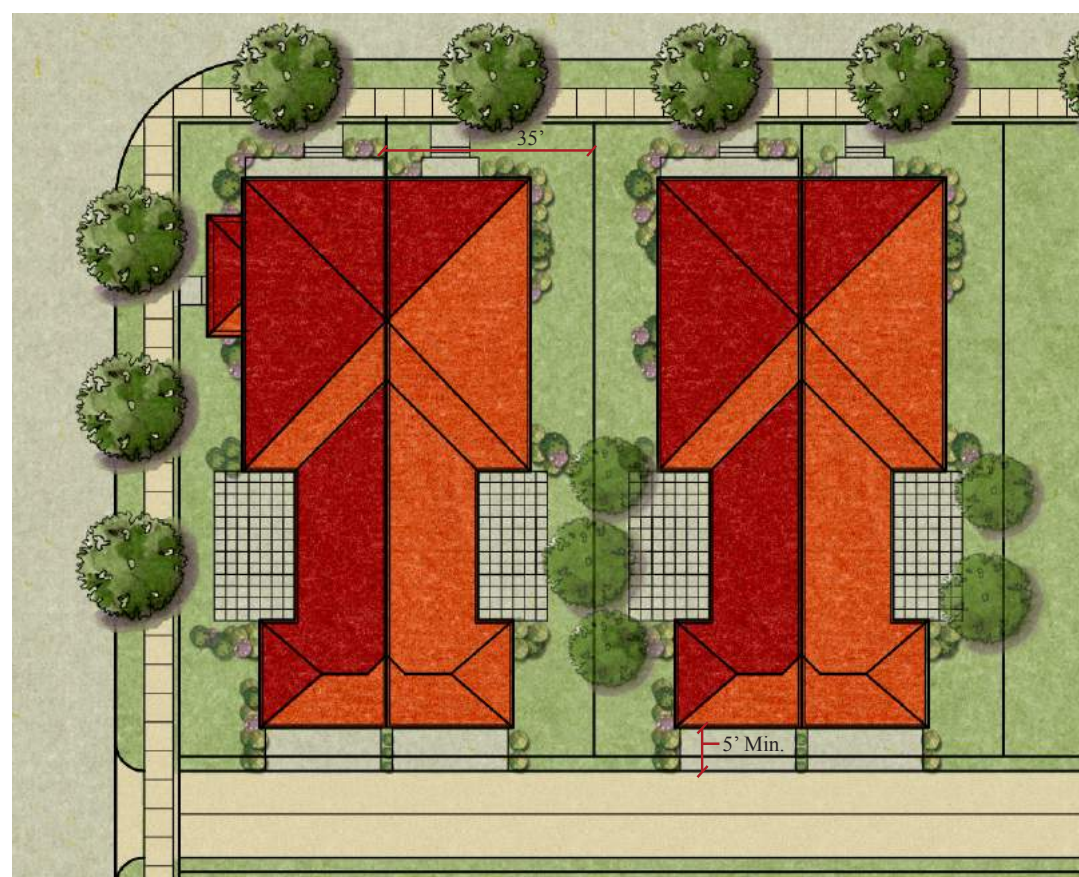
VISION BOOK

NOVEMBER 5, 2015
REVISED MARCH 31, 2016



LOT TYPES

ATTACHED HOME LOTS



LOT STANDARDS

- Min. Lot Area: 4,000 sq. ft.
- Min. Lot Width at Front Setback: 35 ft.
- Min. Front Yard Setback: 5 ft. (to any yard bordering a street or open space)
- Min. Side Yard Setback: 0 ft. (where attached) / 5 ft. (to an interior lot line)
- Min. Rear Yard Setback: 5 ft.
- Min. Rear Yard Setback to Garage: 5 ft. (to alley) or 18 ft. (to alley with tandem parking)
- Maximum Building Height: 45 ft.
- Vehicular Access: Rear-load from alley

Permitted Yard Projections: Awnings, canopies, stoops, porches, verandas, balconies, terraces and similar projections are permitted to extend from a building into a minimum yard, but not closer than 3 feet to a lot line. Such projections may be open, roofed and/or screened. Steps are permitted to extend from a building into a minimum yard with no setback required from a lot line. Window wells providing light and access for basements are permitted to project up to a lot line. Yard areas may contain fencing and/or masonry walls designed to be compatible with the architectural design of the associated home(s) and that serve to define, separate or enclose yards, patios or other private or semi-private outdoor spaces.

Permitted Building Height and Projections: Maximum height of single family attached residential structure shall be 45 feet with an additional 10 feet allowed for chimneys. Building height shall be defined as the dimension from the top of the foundation at the main entry to the ridgeline of the structure.

Accessory Living Quarter: On any Attached Home Lot, an Accessory Living Quarter (ALQ) may be provided as a subordinate dwelling unit that provides basic requirements for cooking, living, sleeping, eating and sanitation. An ALQ may not be subdivided or otherwise segregated in ownership from the primary dwelling unit.

*Landscaping shown is illustrative and will be further details at final approval

COTTAGE LOTS



LOT STANDARDS

- Min. Lot Area: 5,600 sq. ft.
- Min. Lot Width at Front Setback: 43 ft. (typical 48 ft.)
- Min. Front Yard Setback: 5 ft. (to any yard bordering a street or open space)
- Min. Side Yard Setback: 0 ft. (one side) / 5 ft. (one side)
- Min. Rear Yard Setback: 5 ft.
- Min. Rear Yard Setback to Garage: 5 ft. (to alley) or 18 ft. (to alley with tandem parking)
- Maximum Building Height: 45 ft.
- Vehicular Access: Rear-load from alley

Permitted Yard Projections: Awnings, canopies, stoops, porches, verandas, balconies, terraces and similar projections are permitted to extend from a building into a minimum yard, but not closer than 3 feet to a lot line. Such projections may be open, roofed and/or screened. Steps are permitted to extend from a building into a minimum yard with no setback required from a lot line. Window wells providing light and access for basements are permitted to project up to a lot line. Yard areas may contain fencing and/or masonry walls designed to be compatible with the architectural design of the associated home(s) and that serve to define, separate or enclose yards, patios or other private or semi-private outdoor spaces.

Permitted Building Height and Projections: Maximum height of single family residential structure shall be 45 feet with an additional 10 feet allowed for chimneys. Building height shall be defined as the dimension from the top of the foundation at the main entry to the ridgeline of the structure.

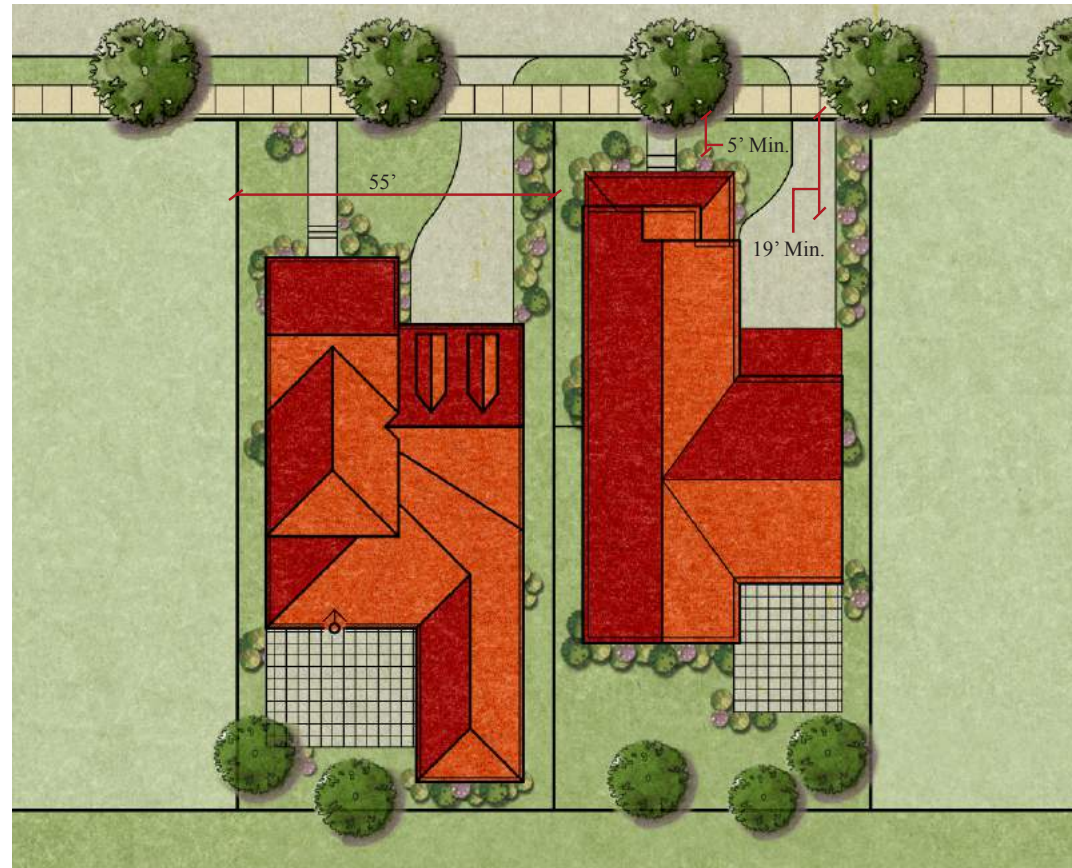
Accessory Living Quarter: On any Cottage Lot, an Accessory Living Quarter (ALQ) may be provided as a subordinate dwelling unit that provides basic requirements for cooking, living, sleeping, eating and sanitation. An ALQ may not be subdivided or otherwise segregated in ownership from the primary dwelling unit.

*Landscaping shown is illustrative and will be further details at final approval

LOT OPTIONS

Any Attached Home Lot may be reassigned as a Cottage Lot, and vice versa. Any Attached Home or Cottage Lot may be "split" in such a manner to enlarge the adjacent lots on both sides.

VILLAGE LOTS



LOT STANDARDS

- Min. Lot Area: 6,000 sq. ft.
- Min. Lot Width at front setback: 55 ft.
- Min. Front Yard Setback: 5 ft.
- Min. Front Yard Setback to Garage: 19 ft. (from edge or sidewalk)
- Min. Side Yard Setback: 0 ft. (one side) / 5 ft. (one side)
- Min. Rear Yard Setback: 5 ft.
- Maximum Building Height: 45 ft.
- Vehicular Access: Front-load from street

Permitted Yard Projections: Awnings, canopies, stoops, porches, verandas, balconies, terraces and similar projections are permitted to extend from a building into a minimum yard, but not closer than 3 feet to a lot line. Such projections may be open, roofed and/or screened. Steps are permitted to extend from a building into a minimum yard with no setback required from a lot line. Window wells providing light and access for basements are permitted to project up to a lot line. Yard areas may contain fencing and/or masonry walls designed to be compatible with the architectural design of the associated home(s) and that serve to define, separate or enclose yards, patios or other private or semi-private outdoor spaces.

Permitted Building Height and Projections: Maximum height of single family residential structure shall be 45 feet with an additional 10 feet allowed for chimneys. Building height shall be defined as the dimension from the top of the foundation at the main entry to the ridge line of the structure.

Accessory Living Quarter: On any Village Lot, an Accessory Living Quarter (ALQ) may be provided as a subordinate dwelling unit that provides basic requirements for cooking, living, sleeping, eating and sanitation. An ALQ may not be subdivided or otherwise segregated in ownership from the primary dwelling unit.

*Landscaping shown is illustrative and will be further details at final approval

MANOR LOTS



LOT STANDARDS

- Min. Lot Area: 6,500 sq. ft.
- Min. Lot Width at Front Setback: 60 ft.
- Min. Front Yard Setback: 10 ft. (to any yard bordering a street or open space)
- Min. Side Yard Setback: 5 ft.
- Min. Rear Yard Setback: 5 ft.
- Min. Rear Yard Setback to Garage: 5 ft. (to alley) or 18 ft. (to alley with tandem parking)
- Maximum Building Height: 45 ft.
- Vehicular Access: Rear-load from alley

Permitted Yard Projections: Awnings, canopies, stoops, porches, verandas, balconies, terraces and similar projections are permitted to extend from a building into a minimum yard, but not closer than 3 feet to a lot line. Such projections may be open, roofed and/or screened. Steps are permitted to extend from a building into a minimum yard with no setback required from a lot line. Window wells providing light and access for basements are permitted to project up to a lot line. Yard areas may contain fencing and/or masonry walls designed to be compatible with the architectural design of the associated home(s) and that serve to define, separate or enclose yards, patios or other private or semi-private outdoor spaces.

Permitted Building Height and Projections: Maximum height of single family residential structure shall be 45 feet with an additional 10 feet allowed for chimneys. Building height shall be defined as the dimension from the top of the foundation at the main entry to the ridge line of the structure.

Accessory Living Quarter: On any Manor Lot, an Accessory Living Quarter (ALQ) may be provided as a subordinate dwelling unit that provides basic requirements for cooking, living, sleeping, eating and sanitation. An ALQ may not be subdivided or otherwise segregated in ownership from the primary dwelling unit.

*Landscaping shown is illustrative and will be further details at final approval

EXTERIOR MATERIALS AND COLORS

Appropriate exterior wall finish materials will be brick, stone, stucco, wood siding, wood shakes and fiber-cement siding or shakes. Every structure will have a brick or stone masonry base.

Synthetic stucco, E.I.F.S., 'softcoat stucco', thin brick and cultured stone are not allowed.

The use of brick or stone including any patterns, must be appropriate to the architectural design of the building. When appropriate to the design, the brick may be painted.

Materials may be combined on a single building, but a single material should cover the majority of any attached or detached single family building. Any change in materials should occur at an appropriate inside corner or where appropriate to the style such as at a belt course.

Roof materials shall consist of standing seam, pre-finished metal or copper, slate or synthetic slate, wood shakes, dimensional asphalt or dimensional fiberglass shingles. Low-pitched porch and bay roofs will be standing seam, pre-finished metal or copper unless located on the fourth floor or higher.

All entry door and window trim, soffits, fascias, cornices and similar architectural trim elements shall be painted wood, fiber-cement, cellular PVC or an alternate synthetic wood material. Metal and hollow back vinyl trim are prohibited, metal trim is only allowed when adjacent to metal roofing.

The palette of materials and colors for the luxury apartment and senior living buildings is the following:

- A brick or stone base course will be provided which includes the first floor and may extend to the top of the second floor. Appropriate exterior wall finish materials will be wood siding, wood shakes, and fiber-cement siding or shakes.
- The color schemes will be medium tone-on-tone with deep color usage provided on doors, windows, shutters, awnings and railings.

The palette of materials and colors for the inn is the following:

- A brick or stone base course will be provided which may include the first floor. Appropriate exterior wall finish materials will be brick, stone, stucco, wood siding, wood shakes, and fiber-cement siding or shakes.
- The color scheme will be white or a light-tone neutral color with deep color usage provided on doors, windows, shutters, awnings and railings.

The palette of materials and colors for the attached homes is the following:

- A brick or stone base course will be provided along all facades. The brick or stone base shall extend to the first finished floor height. In any location where the foundation wall is fully screened by, foundation plantings or a wall, the brick or stone base course shall not be required, however, there shall be a minimal exposure of the foundation wall and it shall be covered with a parge coating.
- The color schemes will be light-tone or medium-tone neutral colors with deep color usage limited to on doors, windows, shutters, projecting bays, awnings & railings or the color schemes will be medium-tone to dark-tone colors with medium to light color usage limited to on doors, windows, shutters, projecting bays, awnings & railings.

The palette of materials and colors for the detached homes is the following:

- A brick or stone base course will be provided along all facades. The brick or stone base shall extend to the first finished floor height. In any location where the foundation wall is fully screened by, foundation plantings or a wall, the brick or stone base course shall not be required, however, there shall be a minimal exposure of the foundation wall and it shall be covered with a parge coating.
- The color schemes will be light-tone or medium-tone neutral colors with deep color usage limited to on doors, windows, shutters, projecting bays, awnings & railings or the color schemes will be medium-tone to dark-tone colors with medium to light color usage limited to on doors, windows, shutters, projecting bays, awnings & railings.



The above color palettes are illustrative of the range of color schemes proposed to be used.

DEVELOPMENT PROGRAM

The development program includes the following components:

- Detached Single Family Homes - 53 homes composed of 20 Cottage Lots, 13 Village Lots and 20 Manor Lots
- Attached Homes - 70
- Luxury Apartments - 280 residences
- Inn - 50 rooms with a 5,000 square feet commercial area
- Senior Living - 120 units of Independent Living, 120 units of Assisted Living / Memory Care, 90 units of Skilled Nursing Living, with restaurant and ancillary service and amenity space, totaling approximately 8,000 square feet and exterior grand terrace and pool.

The site is proposed to be developed in one single phase lasting a total of approximately 40 months following final approval



Legend

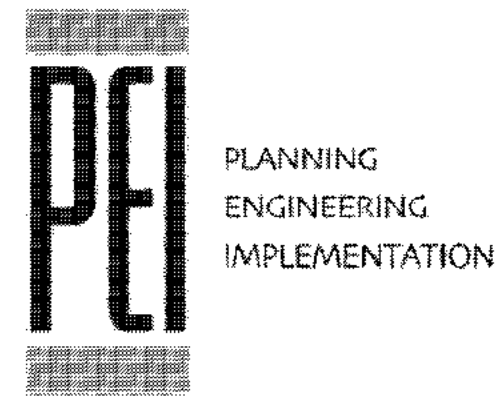
-  Park Space
-  Single Family Residential
-  Attached Homes
-  Luxury Apartments
-  Inn
-  Senior Living



VanTrust Real Estate LLC
4900 Main Street, Suite 400
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PHELPS ENGINEERING, INC

Phelps Engineering Inc.
1270 North Winchester Street
Olathe, Kansas 66061
(913) 393-1155



BBN Architects Inc.
411 Nichols Road, Suite 246
Kansas City, Missouri 64112
(816) 753-2550

FINAL DEVELOPMENT PLAN
CIVIL & LANDSCAPE
MEADOWBROOK PARK
IN THE CITY OF PRAIRIE VILLAGE, JOHNSON COUNTY, KANSAS



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ISSUE DATES:

MARCH 4, 2016	FINAL DEVELOPMENT PLAN SUBMITTAL
MARCH 30, 2016	FINAL DEVELOPMENT PLAN RESUBMITTAL

SITE PLAN NOTES:

- All construction materials and procedures on this project shall conform to the latest revision of the following governing requirements, incorporated herein by reference:
A) City ordinances & O.S.H.A. Regulations.
B) The City of Prairie Village Technical Specifications and Municipal Code.
C) Project Technical Specifications.
- The contractor shall have one (1) signed copy of the plans (approved by the City) and one (1) copy of the appropriate Design and Construction Standards and Specifications at all times.
- The contractor will be responsible for securing all permits, bonds and insurance required by the contract documents, City of Prairie Village, Kansas, and all other governing agencies (including local, county, state and federal authorities) having jurisdiction over the work proposed by these construction documents. The cost for all permits, bonds and insurance shall be the contractor's responsibility and shall be included in the bid for the work.
- The contractor is responsible for coordination of his and his sub-contractor's work. The contractor shall assume all responsibility for protecting and maintaining his work during the construction period and between the various trades/sub-contractors constructing the work.
- The demolition and removal (or relocation) of existing pavement, curbs, structures, utilities, and all other features necessary to construct the proposed improvements, shall be performed by the contractor. All waste material removed during construction including excess soil, unsuitable materials, or other shall be disposed off the project site. The contractor shall be responsible for all permits for hauling and disposing of waste or excess material. The disposal of waste or excess material shall be in accordance with all local, state and federal regulations.
- Contractor shall be responsible for all relocations, including but not limited to, all utilities, storm drainage, sanitary sewer services, signs, traffic signals & poles, etc. as required. All work shall be in accordance with governing authorities specifications and shall be approved by such. All cost shall be included in base bid.
- All existing utilities indicated on the drawings are according to the best information available to the Engineer; however, all utilities actually existing may not be shown. The contractor shall be responsible for contacting all utility companies for an exact field location of each utility prior to any construction. All utilities, shown and unshown, damaged through the negligence of the contractor shall be repaired or replaced by the contractor at his expense.
- The contractor will be responsible for all damage to existing utilities, pavement, fences, structures and other features not designated for removal. The contractor shall repair all damages at his expense.
- The contractor shall verify the flow lines of all existing storm or sanitary sewer connections and utility crossings prior to the start of construction. Notify the engineer of any discrepancies.
- SAFETY NOTICE TO CONTRACTOR:** In accordance with generally accepted construction practices, the contractor shall 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. Any construction observation by the engineer of the contractor's performance is not intended to include review of the adequacy of the contractor's safety measures, in, on or near the construction site.
- 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 the Engineer nor his personnel can or do warrant these designs or plans as constructed except in the specific cases where the Engineer observes the physical construction on a continual basis at the site.
- No work is to be allowed within the public right-of-way or easements without a right of way work permit.
- All paving construction and earthwork grading/compaction shall conform to the requirements of the geotechnical engineering report prepared for this project.
- Within forty-eight hours prior to any asphalt or concrete paving, the subgrade shall be proof rolled with a fully loaded tandem wheeled dump truck and observed by the on-site geotechnical engineer. Areas of the subgrade with excessive rutting and/or pumping shall be re-worked or removed in accordance with the project specifications. Flyash or granular material may be added by the contractor to stabilize the subgrade. See project specifications.
- All curb shall be sloped for positive drainage. Contractor shall use "dry curb and gutter" as needed in localized paved areas that drain away from the curb and gutter. See paving details.
- The Contractor is responsible for the protection of all property corners and section corners. Any property corners and/or section corners disturbed or damaged by construction activities shall be reset by a Registered Land Surveyor licensed in the State of Kansas, at the contractor's expense.
- The contractor shall be responsible for the restoration of the right-of-way and for damaged improvements such as curbs, sidewalks, street light and traffic signal junction boxes, traffic signal loop lead ins, signal poles, etc. Damaged improvements shall be repaired in conformance with the latest city standards and to the City's satisfaction.
- The contractor is responsible for providing berms, silt fences, or other means to prevent eroded materials from reaching the public right-of-way and adjacent properties. In the event the prevention measures are not effective, the contractor shall remove any debris, silt or mud and restore the right-of-way or adjacent property to original or better condition.
- All disturbed areas are to receive 4" min. topsoil, sod, mulch and water until a healthy stand of grass is established. See the landscaping plans for requirements.
- The contractor shall sod all disturbed areas within the public street right-of-way.
- Contractor shall refer to the architectural building plans for exact locations and dimensions of vestibules, slope paving, sidewalks, exit porches, precise building dimensions and exact building utility entrance locations. All dimensions are to outside wall of building(s) or to back of curbs.
- Provide "tire lane" pavement marking and signing as required by local authority.
- Refer to building plans for site lighting electrical plan.




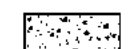
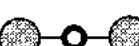


PAVEMENT MARKING AND SIGNAGE NOTES:

- Parking stall marking stripes shall be four inch (4") wide white stripes. Directional arrow and handicap stall markings shall be furnished at locations shown on plans.
- Handicap pavement markings and signs shall conform to all federal (Americans with Disabilities Act) and state laws and regulations.
- Traffic control devices and pavement markings shall conform to the requirements of the "Manual of Uniform Traffic Control Devices".
- Stop signs shall be provided at all locations as shown on plans and shall conform to the "Manual of Uniform Traffic Control Devices". Signs shall be 18" x 12", 18 gauge steel and shall be engineer grade reflective.
- Traffic control and pavement markings shall be painted with a white Sherwin Williams S-W traffic marking series B-2912 or approved equal. The pavement marking shall be applied in accordance with manufacturers recommendations. Apply on a clean, dry surface and at a surface temperature of not less than 70°F and the ambient air temperature shall not be less than 60°F and rising. Two coats shall be applied.

SITE GRADING NOTES:

- CONTOURS AND ELEVATIONS:** Existing and proposed contours are shown on plans at one foot (1') contour intervals, unless otherwise noted, proposed contours and elevations shown represent approximate finish grade. Contractor shall hold down subgrades to allow for building slabs, pavements, and sub-base thicknesses.
- If the contractor does not accept existing topography as shown on the plans, without exception, he shall have made at his expense, a topographic survey by a registered land surveyor and submit it to the owner for review.
- CLEARING AND GRUBBING:** Prior to beginning preparation of subgrade, all areas under pavements or building shall be stripped of all topsoil, vegetation, large rock fragments (greater than 6 inches in any dimension) and any other deleterious material. The actual stripping depth should be based on visual examination during construction and the results of proof-rolling operations. The root systems of all trees (not designated to remain) shall be removed in their entirety. Stripping materials shall not be incorporated into structural fills.
- TOPSOIL STRIPPING:** Prior to the start of site grading, the contractor shall strip all topsoil from areas to be graded and stockpile at a location on or adjacent to the site as directed by the owner. At completion of grading operations and related construction, the contractor will be responsible for redistribution of topsoil over all areas disturbed by the construction activities. Topsoil shall be placed to a minimum depth of six inches (6") and in accordance with specifications for landscaping. At that time and prior to the installation of landscaping or irrigation, all topsoil graded areas shall be visually inspected and accepted by the owner and I.T.L.
- Contractor shall adjust and/or cut existing pavement as necessary to assure a smooth fit and continuous grade. Contractor shall assure positive drainage away from buildings for all natural and paved areas.
- SUBGRADE PREPARATION:** Prior to placement of new fill material, the existing subgrade shall be proofrolled and approved under the direction of the Geotechnical Engineer or his representative.
- PROOFROLLING:** Subsequent to completion of stripping and over-excavation, all building and pavement areas to receive engineered fill should be systematically proof-rolled using a tandem axle dump truck loaded to approximately 9 tons per axle. Also, any finished subgrade areas to receive paving shall be proof-rolled within 48 hours of paving. Unsuitable soils that are detected and that can not be recompacted should be over-excavated and replaced with controlled structural fill.
- EARTHWORK:**
A) **GEOTECHNICAL:** All earthwork shall conform to the recommendations of the Geotechnical report. Said report and its recommendations are herein incorporated into the project requirements by reference. Prior to beginning construction, the contractor shall obtain a copy of and become familiar with the geotechnical report. Unless specifically noted on the plans, the recommendations in the geotechnical report are hereby incorporated into the project requirements and specifications.
B) **SURFACE WATER:** Surface water shall be intercepted and diverted during the placement of fill.
C) **FILLS:** All fills shall be considered controlled or structural fill and shall be free of vegetation, organic matter, topsoil and debris. In areas where the thickness of the engineered fill is greater than five feet building and pavement construction should not commence until so authorized by the on-site geotechnical engineer to allow for consolidation.
D) **BUILDING SUBGRADE:** Refer to geotechnical report for requirements.
E) **EXISTING SLOPES:** Where fill material is to be placed on existing slopes greater than 5:1 (horizontal to vertical), existing slope shall be benched providing a minimum vertical face of twelve inches (12"). The benches should be cut wide enough to accommodate the compaction equipment. Fill material shall be placed and compacted in horizontal lifts not exceeding nine inches (9") (loose lift measurement), unless otherwise approved by the Geotechnical Engineer.
F) **COMPACTION REQUIREMENTS:** The upper 9 inches of pavement subgrade areas shall be compacted to a minimum density of ninety five percent (95%) of the material's maximum dry density as determined by ASTM D698 (standard proctor compaction). The moisture content at the time of placement and compaction shall within a range of -2% below to +3% above optimum moisture content as defined by the standard proctor compaction procedure. The moisture contents shall be maintained within this range until completion of the work. Where compaction of earth fill by a large roller is impractical or undesirable, the earth fill shall be hand compacted with small vibrating rollers or mechanical tampers.
- All cut or fill slopes shall be 3:1 or flatter. All asphalt parking areas shall be a minimum of 1% slope but not more than 5% slope unless otherwise noted. All pavements within ADA parking areas shall not exceed 2% total slope. All grades around building shall be held down 8" from finish floor and slope away another 6" in 10 feet. Contractor shall notify engineer prior to final subgrade construction of any areas not within this slope requirement.
- TESTING AND INSPECTION:** Owner's Independent Testing Laboratory (ITL) shall make tests of earthwork during construction and observe the placement of fills and other work performed on this project to verify that work has been completed in accordance with Geotechnical Engineering Report, Project Specifications and within industry standards. The ITL will be selected by the owner and the cost of testing will be the owner's responsibility.
- CLASSIFICATION:** All excavation shall be considered unclassified. No separate or additional payments shall be made for rock excavation.
- RESTORATION:** All areas disturbed by earthwork operations shall be fertilized, seeded or sodded and mulched, unless shown otherwise by the landscaping plan or erosion control plan.
- LAND DISTURBANCE:** The contractor shall adhere to all terms & conditions as outlined in the EPA or applicable state N.P.D.E.S. permit for storm water discharge associated with construction activities. Refer to project S.W.P.P.P. requirements.

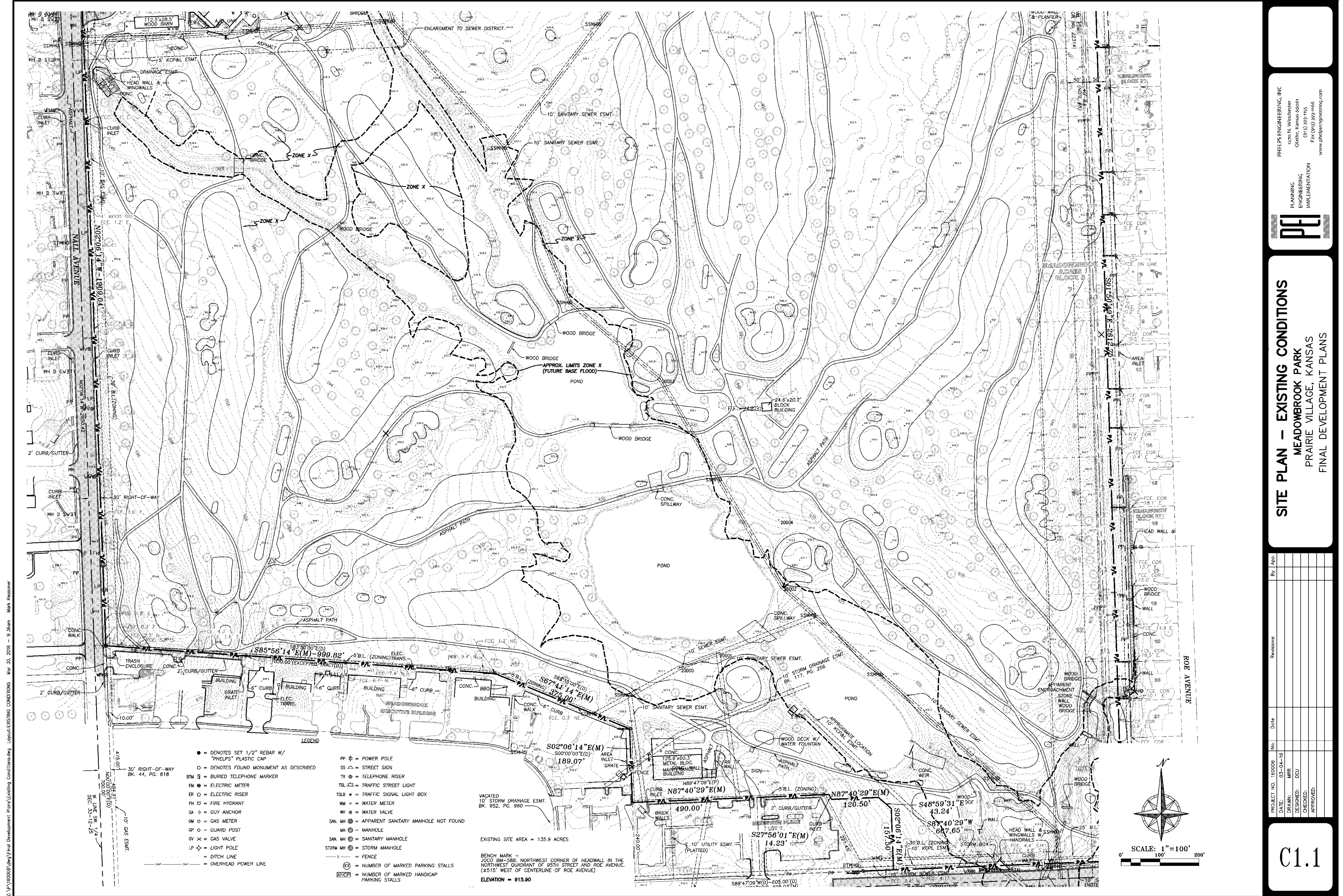
LEGEND

-  ASPHALT PAVEMENT
-  ON-STREET PARKING
-  CONCRETE PAVEMENT
-  CONCRETE SIDEWALK
-  STREET LIGHTING (SL1)
-  STREET LIGHTING (SL2)
-  STREET LIGHTING (SL3)

SITE UTILITY NOTES:

- 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 companies at least 48 hours before any excavation to request exact field location of utilities. It shall be the responsibility of the contractor to coordinate with and relocate &/or remove all existing utilities which conflict with the proposed improvements shown on the plans.
- The contractor shall field verify the exact location and elevation of the existing storm sewer lines and the existing elevation at locations where the proposed storm sewer collects or releases to existing ground. If discrepancies are encountered from the information shown on the plans, the contractor shall contact the design engineer. No pipes shall be laid until direction or confirmation is received from the design engineer.
- It will be the contractor's responsibility to field adjust the top of all manholes and boxes as necessary to match the grade of the adjacent area. Tops of existing manholes shall be raised as necessary to be flush with proposed pavement elevations, and to be 6-inches above finished ground elevations in non-paved areas. No separate or additional compensation will be made to the contractor for making final adjustments to the manholes and boxes.
- Inlet locations, horizontal pipe information and vertical pipe information is shown to the center of the structure. Deflection angles shown for storm sewer pipes are measured from the center of curb inlets and manholes. The contractor shall adjust the horizontal location of the pipes to go to the face of the boxes. All roof drains shall be connected to storm sewer structures. Provide cleanouts on roof drain lines at 100' max. Spacing and at all bend points. Do not connect roof drains directly to storm sewer pipe.
- The contractor shall be responsible for furnishing and installing all fire and domestic water lines, meters, backflow devices, pits, valves and all other incidentals required for a complete operable fire protection and domestic water system. All costs associated with the complete water system for the buildings shall be the responsibility of the contractor. All work shall conform to the requirements of City of Prairie Village, Kansas and Waterone.
- The contractor shall be responsible for furnishing and installing all sanitary sewer service lines from the buildings to the public line. The contractor shall refer to the building plumbing plans for specific locations and elevations of the service lines of the building connection. All work shall conform to the requirements of the City of Prairie Village Kansas and the Johnson County Unified Wastewater District.
- The contractor will be responsible for securing all permits, bonds and insurance required by the contract documents, City of Prairie Village, Kansas, and all other governing agencies (including local, county, state and federal authorities) having jurisdiction over the work proposed by these construction documents. The cost for all permits bonds and insurance shall be the contractor's responsibility and shall be included in the bid for the work.
- The Contractor shall be responsible for furnishing all materials, tools and equipment and installation of electrical power, telephone and gas service from a point of connection from the public utility lines to the building structures. This will include all conduits, service lines, meters, concrete pads and all other incidentals required for a complete and operational system as required by the owner and the public utilities. Refer to building plans for exact tie-in locations of all utilities. Contractor shall verify connection points prior to installation of utility line.
- All fill material is to be in place, compacted, and consolidated before installation of proposed utilities. On-site geotechnical engineer shall provide written confirmation that this requirement has been met and that utilities may proceed in the fill areas. All utilities are to be placed in trench conditions.
- Contractor shall notify the utility authorities inspectors 48 hours before connecting to any existing line.
- Storm sewer roof drains (st) shall be as follows (unless otherwise shown on plans):
- PVC SDR 35 per ASTM D 3034, for pipes less than 12' deep.
- PVC SDR 26 per ASTM D 3034, for pipes 12' to 20' deep.
- High Density Polyethylene Pipe (HDPE) may also be used for storm sewer pipe is 24 inches in diameter or less allowed on private storm sewers. HDPE is not permitted for use within Public Right of Way.
- Water lines shall be as follows (unless otherwise shown on plans):
for 6" and larger: ductile iron pipe per AWWA C150
between 2" and 6": copper tube Type "K" per ANSI B16.22 or ductile iron pipe per AWWA C150.
For smaller than 2": copper tube Type "K" per ANSI B16.22.
- Minimum trench width shall be 2 feet.
- Contractor shall maintain a minimum of 42" cover on all waterlines. All water line joints are to be mechanical joints with thrust blocking as called out in specifications and construction plans. Water mains and service lines shall be constructed in accordance to Waterone's specifications for commercial services.
- All waterlines shall be kept ten (10') apart (parallel) from sanitary sewer lines or manholes. Or when crossing, a 2' vertical clearance (outside edge of pipe to outside edge of pipe) of the water line above the sewer line is required.
- In the event of a vertical conflict between waterlines, sanitary lines, storm lines and gas lines (existing and proposed), the sanitary line shall be encased in concrete 10 feet on both sides of the water line. The waterline shall have mechanical joints with appropriate thrust blocking as required to provide a minimum of 24" clearance, meeting requirements of ANSI A21.10 or ANSI 21.11 (AWWA C-151) (CLASS 50).
- All underground storm, sanitary, water and other utility lines shall be installed, inspected and approved before backfilling. Failure to have inspection approval prior to backfill will constitute rejection of work.
- All necessary inspections and/or certifications required by codes and/or utility service companies shall be performed prior to announced building possession and the final connection of service. Contractor shall coordinate with all utility companies for installation requirements and specifications.
- Refer to building plans for site lighting electrical plan, irrigation, parking lot security system and associated conduit requirements. Coordinate with Owner that all required conduits are in place & tested prior to paving.
- When a building utility connection from site utilities leading up to the building cannot be made immediately, temporarily mark all such site utility terminations.

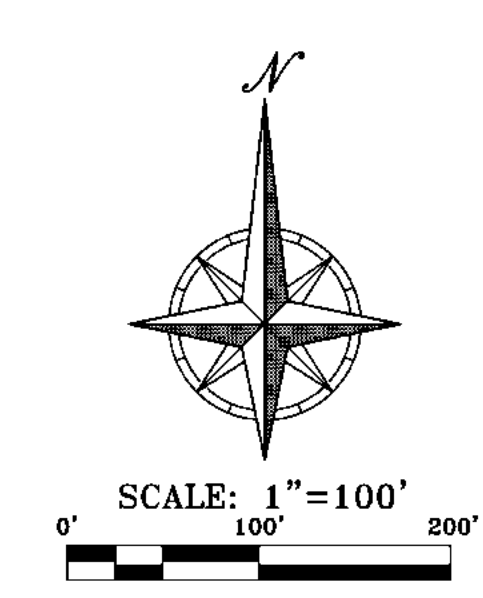
PROJECT NO.	DATE	BY	REVISIONS
160008	03-04-16	Asp	
		MRR	
		DEU	



2: P:\165003.dwg (Final Development Plans) Existing Conditions.dwg Layout Existing Conditions Mar 30, 2016 - 9:36am Mark Reasner

- LEGEND**
- = DENOTES SET 1/2" REBAR W/ "PHELPS" PLASTIC CAP
 - = DENOTES FOUND MONUMENT AS DESCRIBED
 - BTM ⊕ = BURIED TELEPHONE MARKER
 - EM ⊕ = ELECTRIC METER
 - ER ⊕ = ELECTRIC RISER
 - FR ⊕ = FIRE HYDRANT
 - GA ⊕ = GUY ANCHOR
 - GM ⊕ = GAS METER
 - GP ⊕ = GUARD POST
 - GV ⊕ = GAS VALVE
 - LP ⊕ = LIGHT POLE
 - = DITCH LINE
 - = OVERHEAD POWER LINE
 - PP ⊕ = POWER POLE
 - SS ⊕ = STREET SIGN
 - TR ⊕ = TELEPHONE RISER
 - TSL ⊕ = TRAFFIC STREET LIGHT
 - TSLB ⊕ = TRAFFIC SIGNAL LIGHT BOX
 - WM ⊕ = WATER METER
 - WV ⊕ = WATER VALVE
 - SAN. MH ⊕ = APPARENT SANITARY MANHOLE NOT FOUND
 - MH ⊕ = MANHOLE
 - SAN. MH ⊕ = SANITARY MANHOLE
 - STORM MH ⊕ = STORM MANHOLE
 - X — = FENCE
 - ⊗ = NUMBER OF MARKED PARKING STALLS
 - ⊗HCP = NUMBER OF MARKED HANDICAP PARKING STALLS

VACATED 10' STORM DRAINAGE ESMT. BK. 952, PG. 980
 EXISTING SITE AREA = 135.9 ACRES
 BENCH MARK - JOCO BM-588, NORTHWEST CORNER OF HEADWALL IN THE NORTHWEST QUADRANT OF 9TH STREET AND ROE AVENUE. (±515' WEST OF CENTERLINE OF ROE AVENUE)
 ELEVATION = 915.90

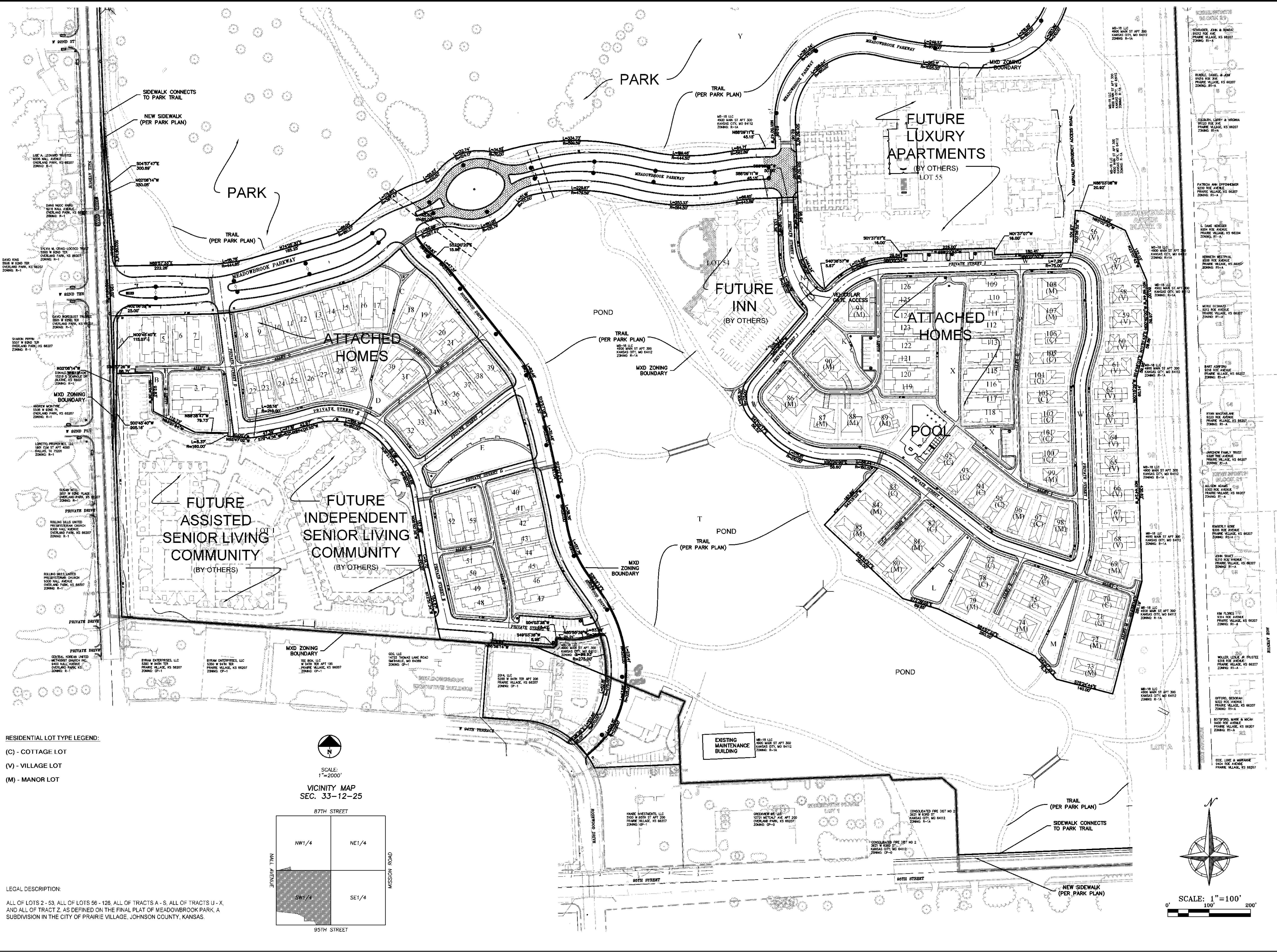


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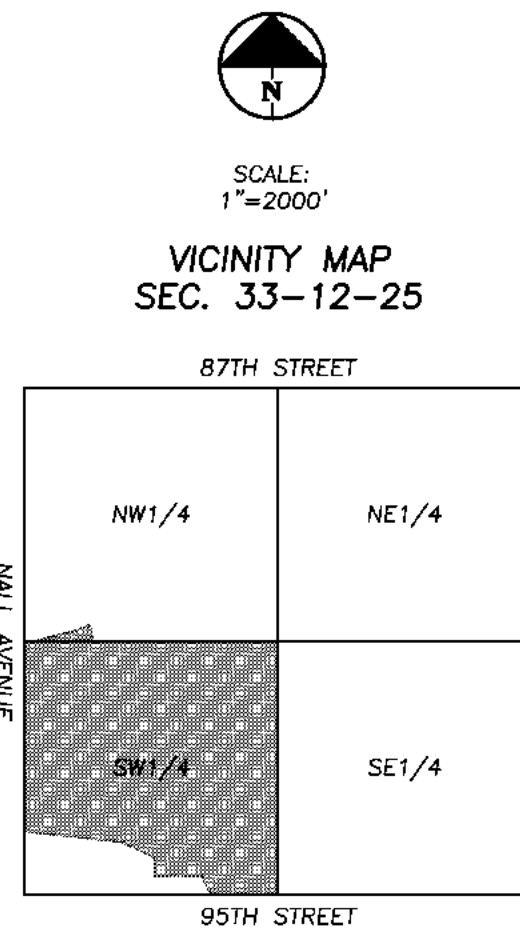
SITE PLAN - EXISTING CONDITIONS
MEADOWBROOK PARK
PRAIRIE VILLAGE, KANSAS
FINAL DEVELOPMENT PLANS

PROJECT NO.	165003	No.	Date	By	App.
DATE:	03-04-16				
DRAWN:	MFR				
DESIGNED:	DEU				
CHECKED:					
APPROVED:					

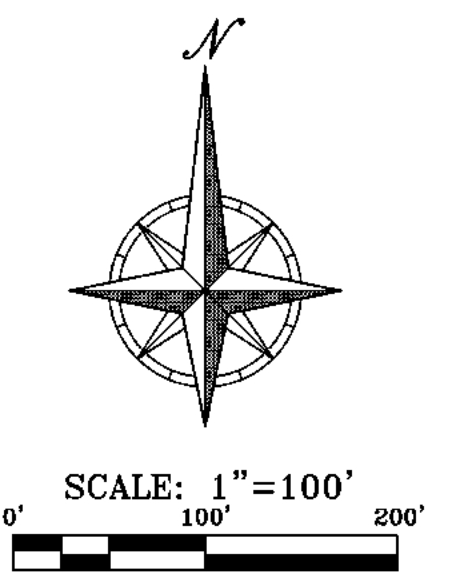
C1.1



RESIDENTIAL LOT TYPE LEGEND:
 (C) - COTTAGE LOT
 (V) - VILLAGE LOT
 (M) - MANOR LOT



LEGAL DESCRIPTION:
 ALL OF LOTS 2 - 53, ALL OF LOTS 56 - 126, ALL OF TRACTS A - S, ALL OF TRACTS U - X, AND ALL OF TRACT Z, AS DEFINED ON THE FINAL PLAN OF MEADOWBROOK PARK, A SUBDIVISION IN THE CITY OF PRAIRIE VILLAGE, JOHNSON COUNTY, KANSAS.



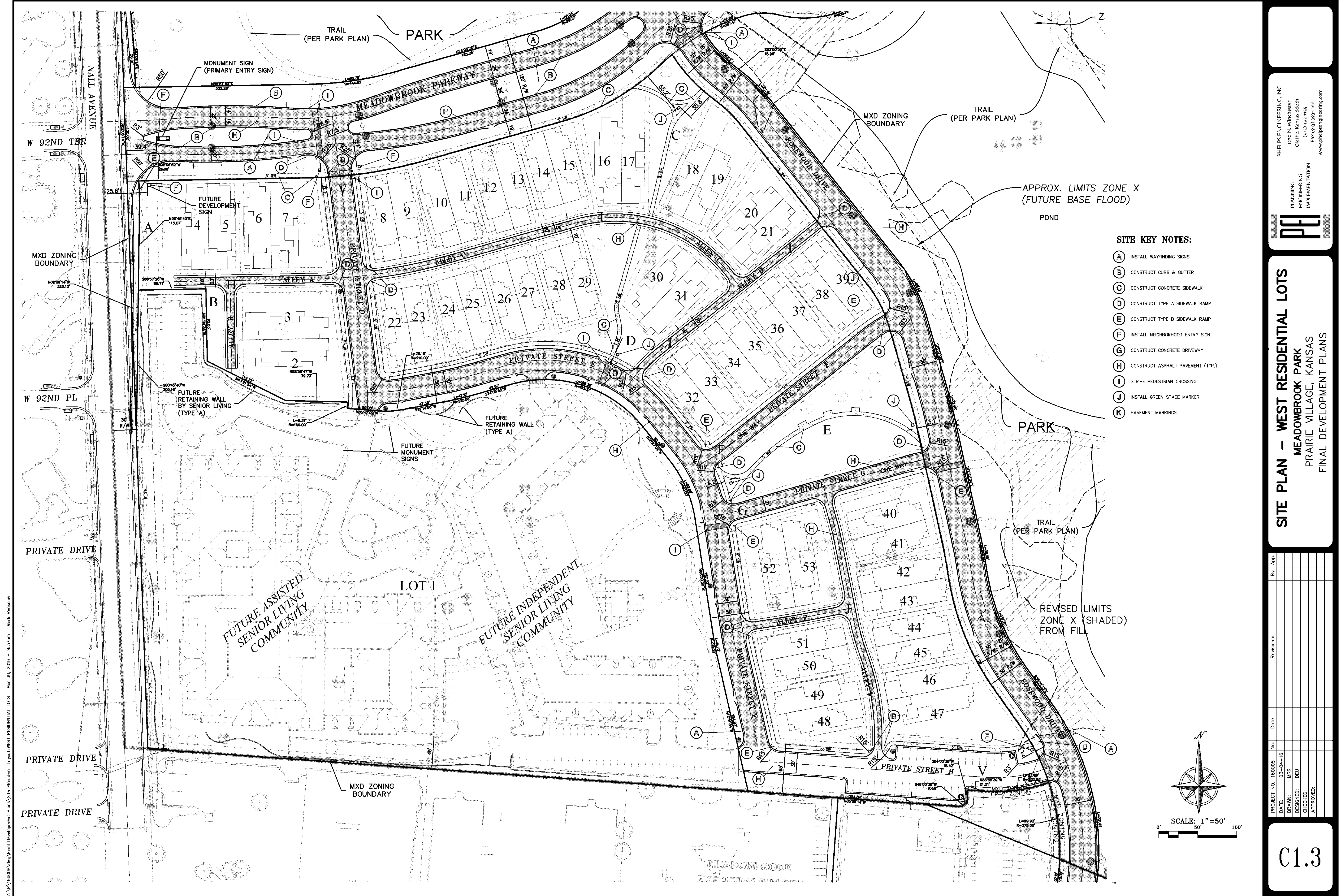
SITE PLAN - OVERALL
MEADOWBROOK PARK
PRAIRIE VILLAGE, KANSAS
FINAL DEVELOPMENT PLANS

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PROJECT NO.	160808	Date
DATE:	03-04-16	
DRAWN:	MRR	
DESIGNED:	DEU	
CHECKED:		
APPROVED:		

C1.2



- SITE KEY NOTES:**
- (A) INSTALL WAYFINDING SIGNS
 - (B) CONSTRUCT CURB & GUTTER
 - (C) CONSTRUCT CONCRETE SIDEWALK
 - (D) CONSTRUCT TYPE A SIDEWALK RAMP
 - (E) CONSTRUCT TYPE B SIDEWALK RAMP
 - (F) INSTALL NEIGHBORHOOD ENTRY SIGN
 - (G) CONSTRUCT CONCRETE DRIVEWAY
 - (H) CONSTRUCT ASPHALT PAVEMENT (TYP.)
 - (I) STRIPE PEDESTRIAN CROSSING
 - (J) INSTALL GREEN SPACE MARKER
 - (K) PAVEMENT MARKINGS

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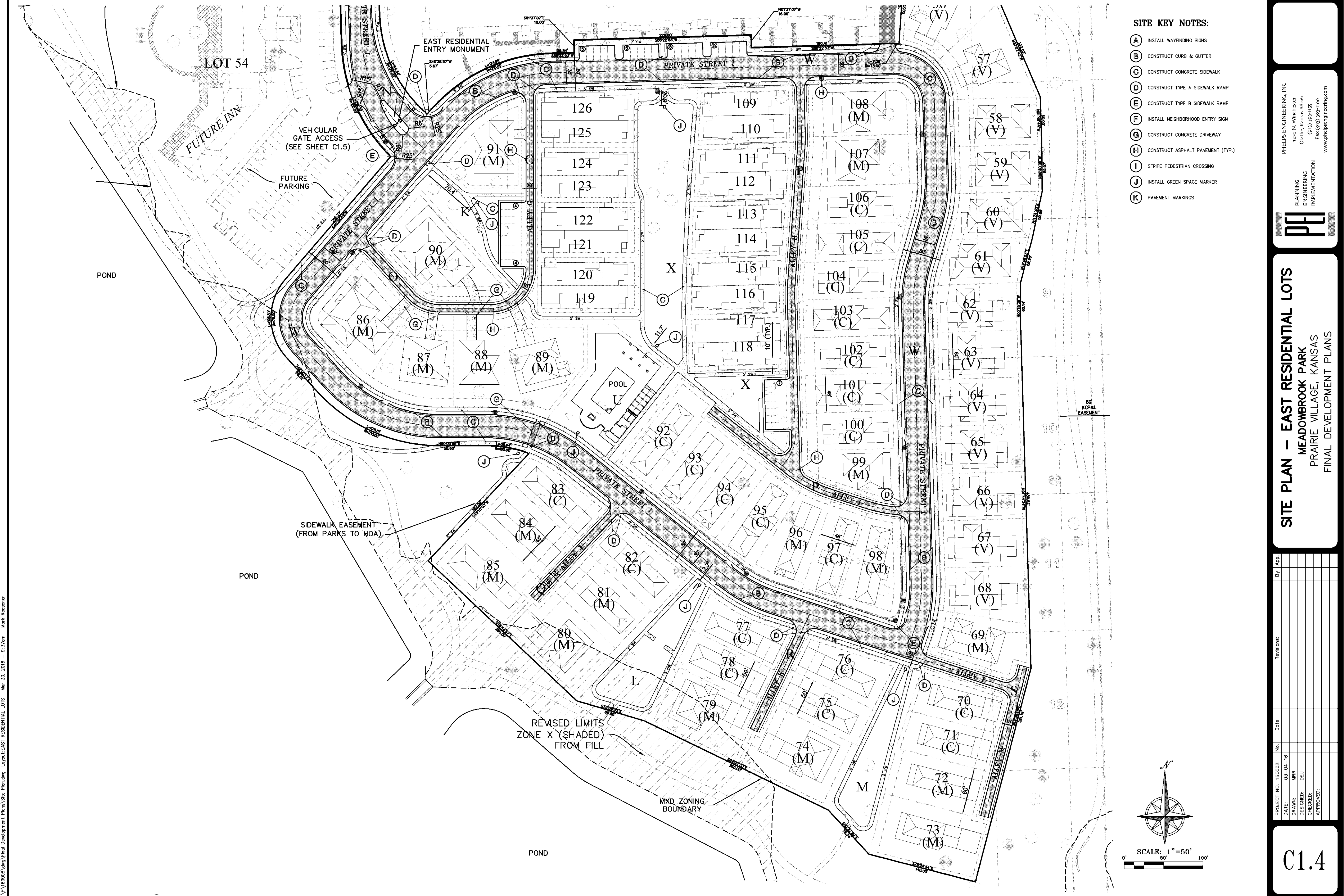


SITE PLAN - WEST RESIDENTIAL LOTS
MEADOWBROOK PARK
 PRAIRIE VILLAGE, KANSAS
 FINAL DEVELOPMENT PLANS

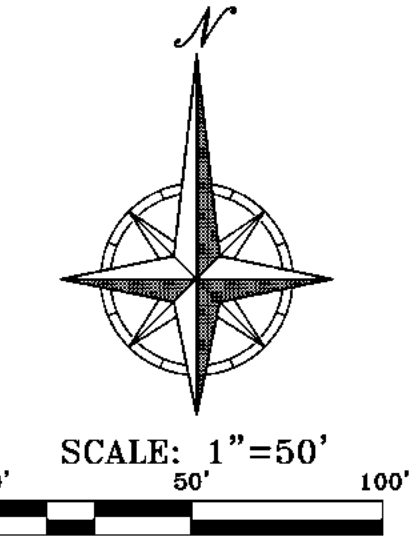
By	App.	No.	Date	Revisions:

PROJECT NO. 160008
 DATE: 03-04-16
 DRAWN: MFR
 DESIGNED: DCU
 CHECKED: DEU
 APPROVED:
C1.3

Z:\160008\04\16\Development\Plans\Site Plan\WEST RESIDENTIAL LOTS Mar 30, 2016 - 9:37am Mark Rooster



- SITE KEY NOTES:**
- (A) INSTALL WAYFINDING SIGNS
 - (B) CONSTRUCT CURB & GUTTER
 - (C) CONSTRUCT CONCRETE SIDEWALK
 - (D) CONSTRUCT TYPE A SIDEWALK RAMP
 - (E) CONSTRUCT TYPE B SIDEWALK RAMP
 - (F) INSTALL NEIGHBORHOOD ENTRY SIGN
 - (G) CONSTRUCT CONCRETE DRIVEWAY
 - (H) CONSTRUCT ASPHALT PAVEMENT (TYP.)
 - (I) STRIPE PEDESTRIAN CROSSING
 - (J) INSTALL GREEN SPACE MARKER
 - (K) PAVEMENT MARKINGS



SITE PLAN - EAST RESIDENTIAL LOTS
MEADOWBROOK PARK
 PRAIRIE VILLAGE, KANSAS
 FINAL DEVELOPMENT PLANS

PROJECT NO.	150008	No.	Date
DATE:	03-04-16	MFR	
DRAWN:		DEU	
DESIGNED:			
CHECKED:			
APPROVED:			

By App. _____

Revisions:

No.	Date	Description

C1.4

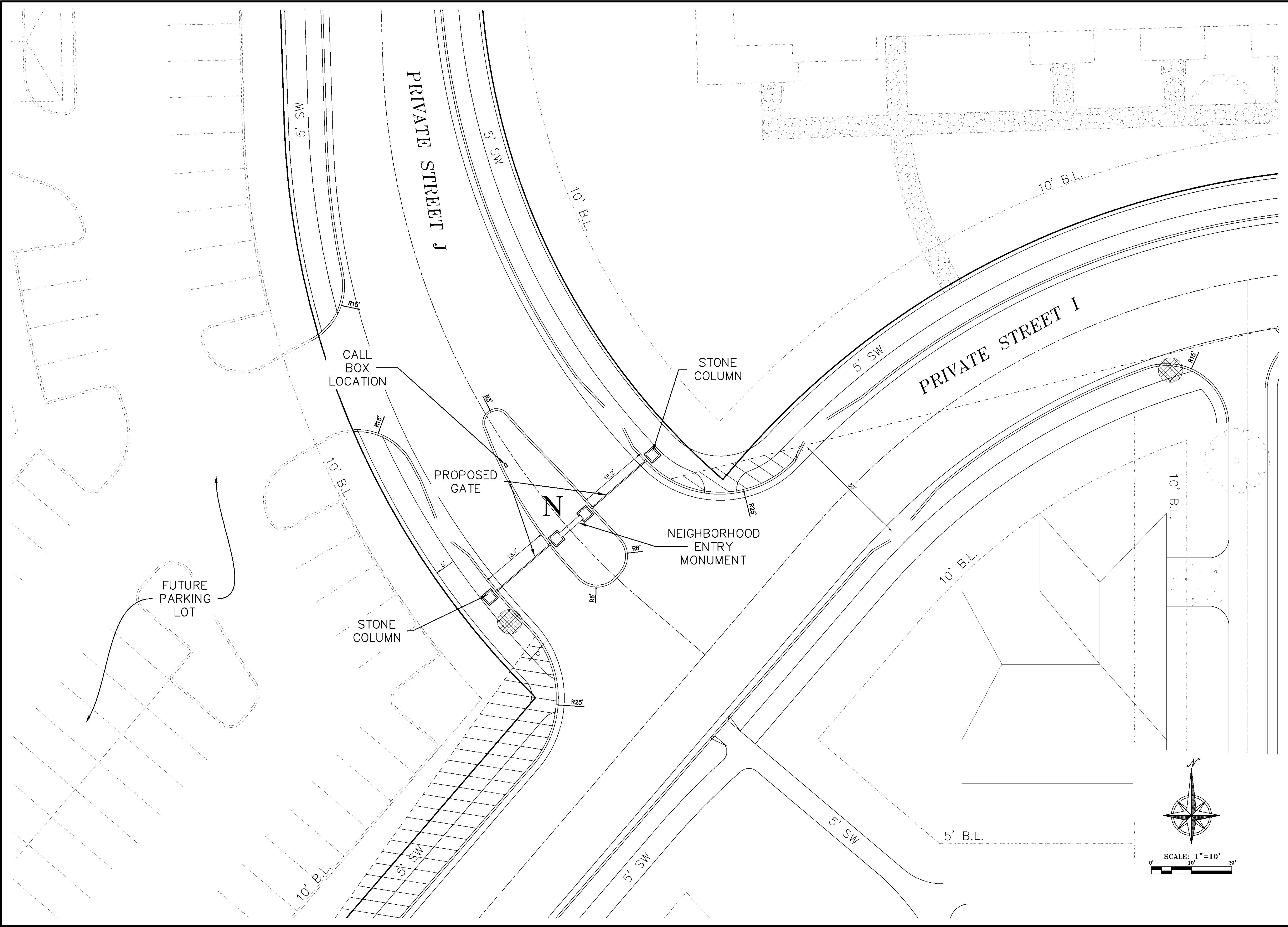
Z:\150008.dwg (Final Development Plans) Site Plan.dwg Layout: EAST RESIDENTIAL LOTS Mar 30, 2016 - 9:37am Mark Ressemer

PEI

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Z:\15160003.dwg (Final Development Plans)\Site Plan.dwg Layout:GATE PLAN Mar 30, 2016 - 9:37am Mark Reesener



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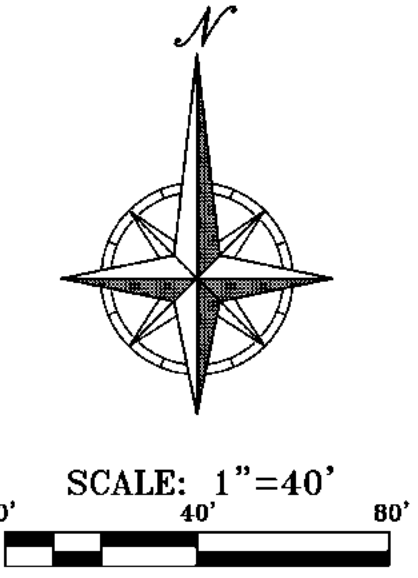
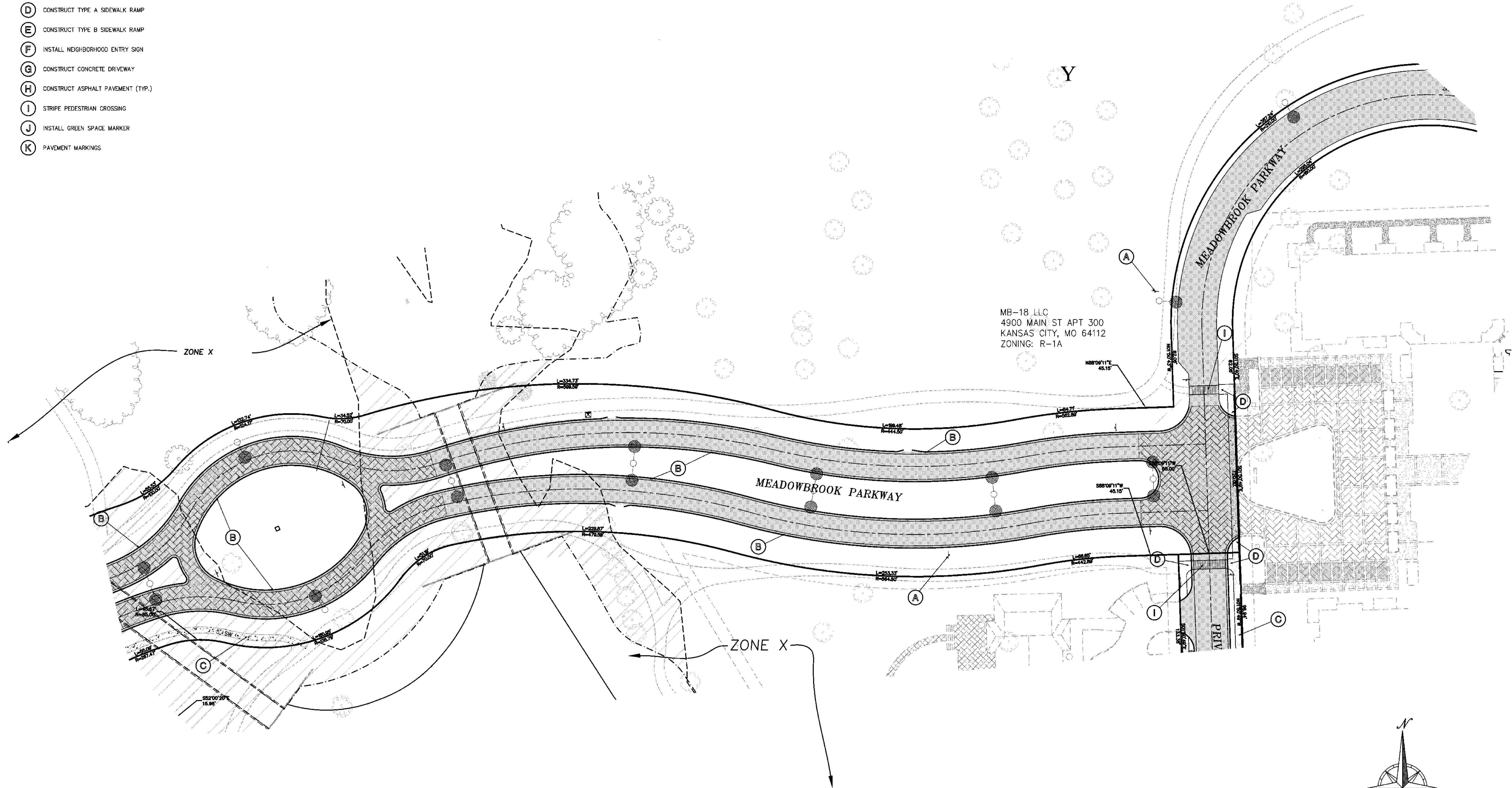
SITE PLAN - GATE
MEADOWBROOK PARK
 PRAIRIE VILLAGE, KANSAS
 FINAL DEVELOPMENT PLANS

PROJECT NO.	160008	No.	Date	By	App.
DATE:	03-04-16				
DRAWN:	MFR				
DESIGNED:	DEU				
CHECKED:					
APPROVED:					

C1.5

SITE KEY NOTES:

- (A) INSTALL WAYFINDING SIGNS
- (B) CONSTRUCT CURB & GUTTER
- (C) CONSTRUCT CONCRETE SIDEWALK
- (D) CONSTRUCT TYPE A SIDEWALK RAMP
- (E) CONSTRUCT TYPE B SIDEWALK RAMP
- (F) INSTALL NEIGHBORHOOD ENTRY SIGN
- (G) CONSTRUCT CONCRETE DRIVEWAY
- (H) CONSTRUCT ASPHALT PAVEMENT (TYP.)
- (I) STRIPE PEDESTRIAN CROSSING
- (J) INSTALL GREEN SPACE MARKER
- (K) PAVEMENT MARKINGS



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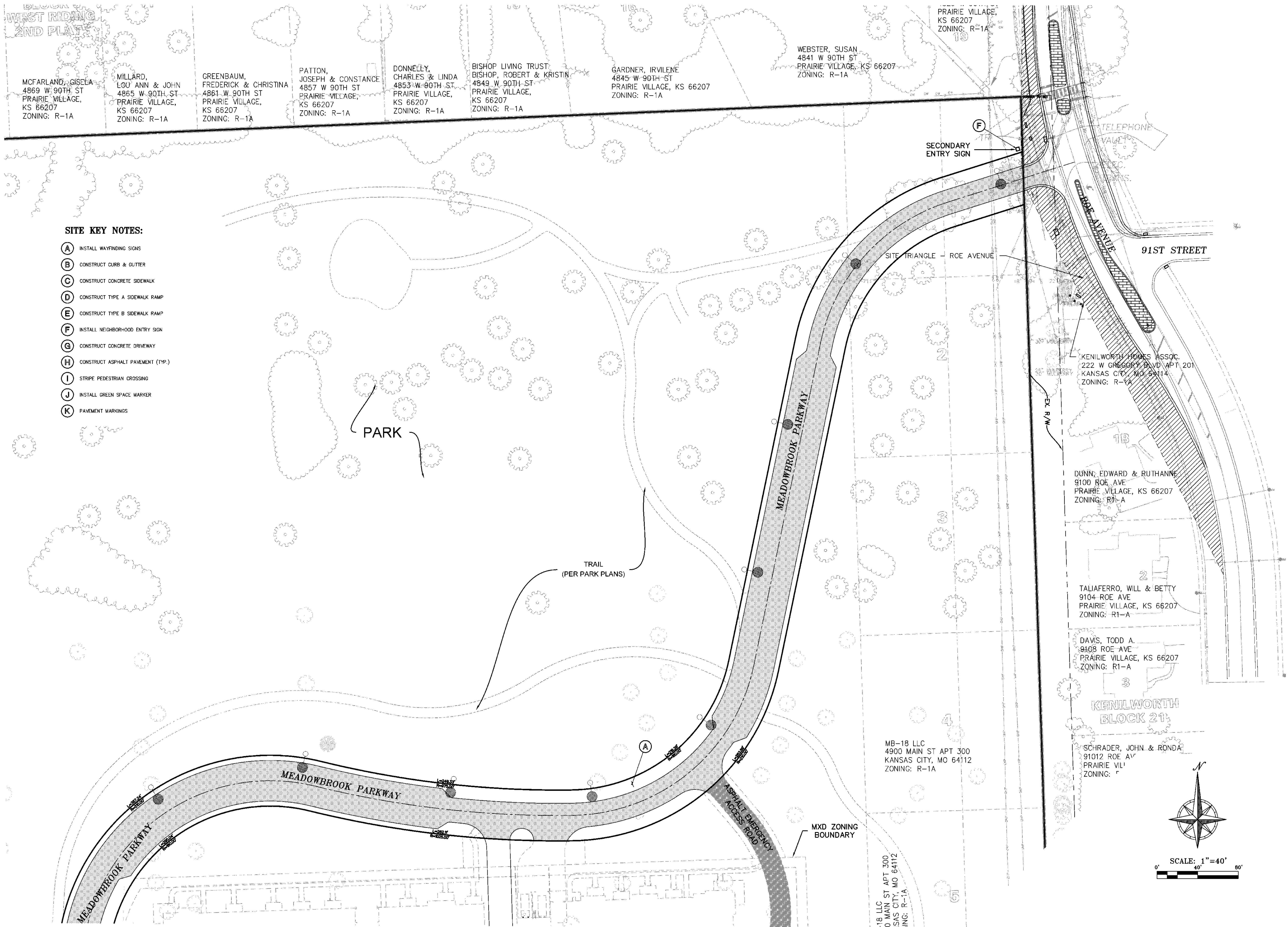


SITE PLAN - MEADOWBROOK PARKWAY
MEADOWBROOK PARK
 PRAIRIE VILLAGE, KANSAS
 FINAL DEVELOPMENT PLANS

PROJECT NO.	150008	No.	Date	By	App.
DATE:	03-04-16				
DRAWN:	MFR				
DESIGNED:	DEU				
CHECKED:					
APPROVED:					

C1.6

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SITE KEY NOTES:

- (A) INSTALL WAYFINDING SIGNS
- (B) CONSTRUCT CURB & GUTTER
- (C) CONSTRUCT CONCRETE SIDEWALK
- (D) CONSTRUCT TYPE A SIDEWALK RAMP
- (E) CONSTRUCT TYPE B SIDEWALK RAMP
- (F) INSTALL NEIGHBORHOOD ENTRY SIGN
- (G) CONSTRUCT CONCRETE DRIVEWAY
- (H) CONSTRUCT ASPHALT PAVEMENT (1" P.)
- (I) STRIPE PEDESTRIAN CROSSING
- (J) INSTALL GREEN SPACE MARKER
- (K) PAVEMENT MARKINGS

2:\1\160808.dwg (Final Development Plans) Site Plan.dwg Layout:RDE CONNECTION Mar 30, 2016 - 9:35am Mark Reasoner

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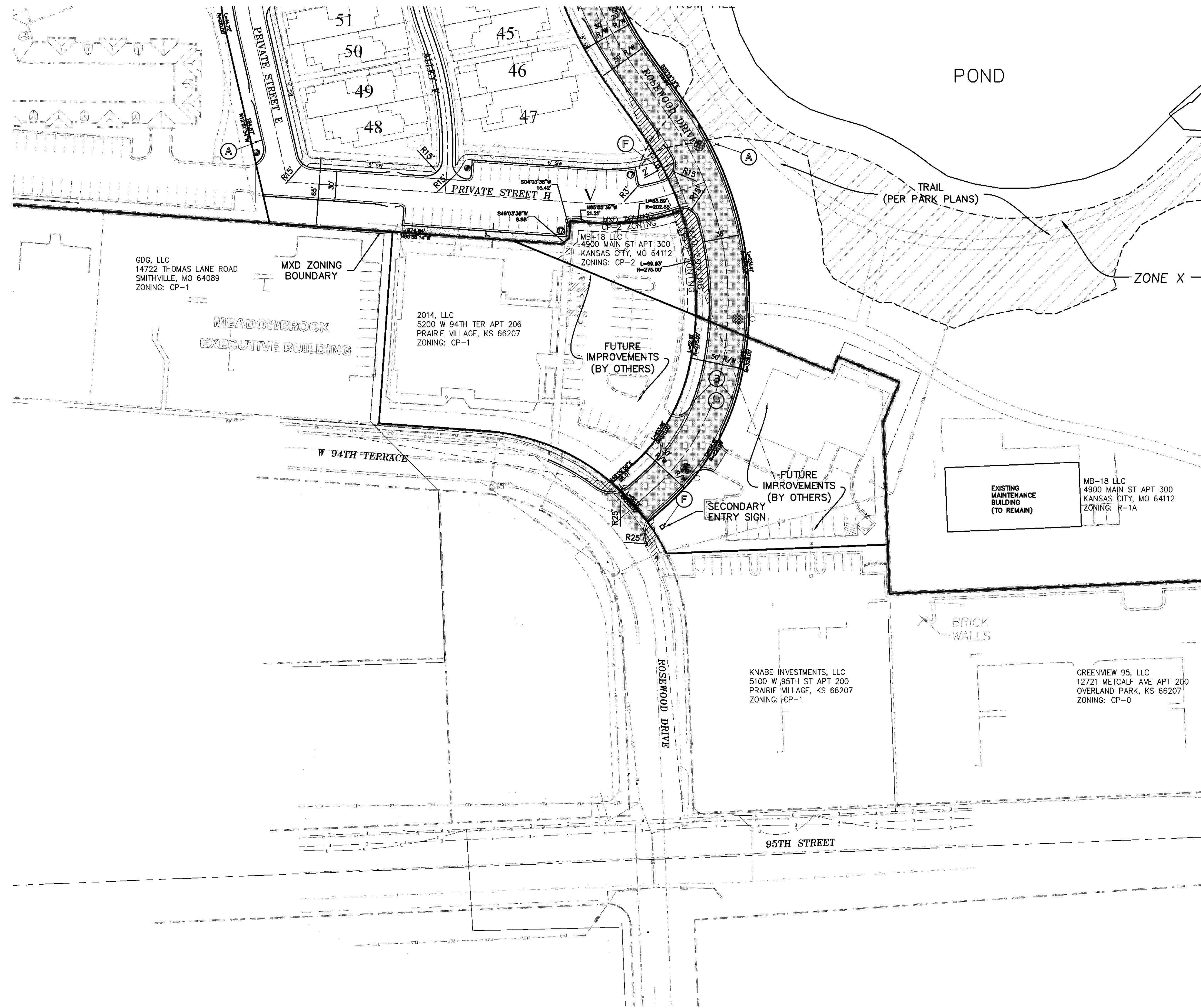
PLANNING
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SITEPLAN - MEADOWBROOK PARKWAY
MEADOWBROOK PARK
 PRAIRIE VILLAGE, KANSAS
 FINAL DEVELOPMENT PLANS

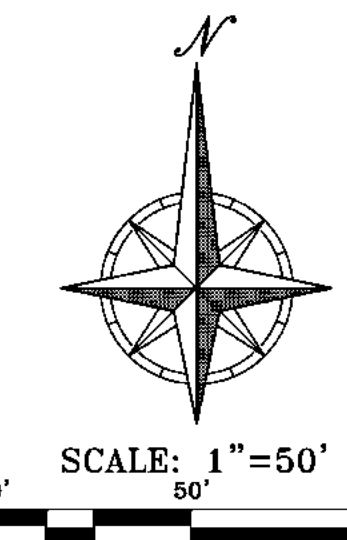
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DATE:	03-04-16		
DRAWN:	MFR		
DESIGNED:	DEU		
CHECKED:			
APPROVED:			

C1.7

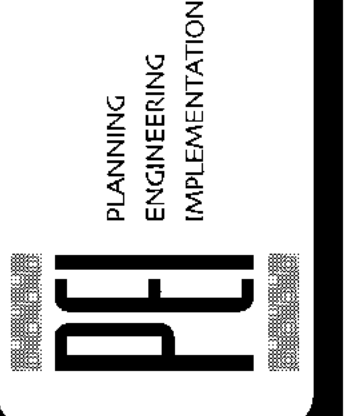


SITE KEY NOTES:

- (A) INSTALL WAYFINDING SIGNS
- (B) CONSTRUCT CURB & GUTTER
- (C) CONSTRUCT CONCRETE SIDEWALK
- (D) CONSTRUCT TYPE A SIDEWALK RAMP
- (E) CONSTRUCT TYPE B SIDEWALK RAMP
- (F) INSTALL NEIGHBORHOOD ENTRY SIGN
- (G) CONSTRUCT CONCRETE DRIVEWAY
- (H) CONSTRUCT ASPHALT PAVEMENT (TYP.)
- (I) STRIPE PEDESTRIAN CROSSING
- (J) INSTALL GREEN SPACE MARKER
- (K) PAVEMENT MARKINGS



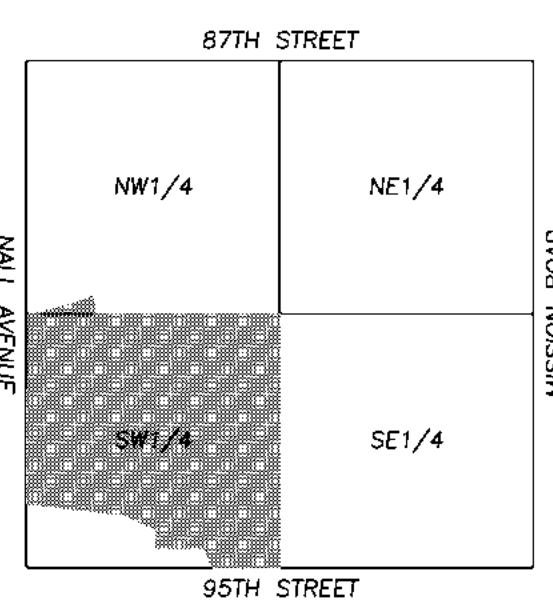
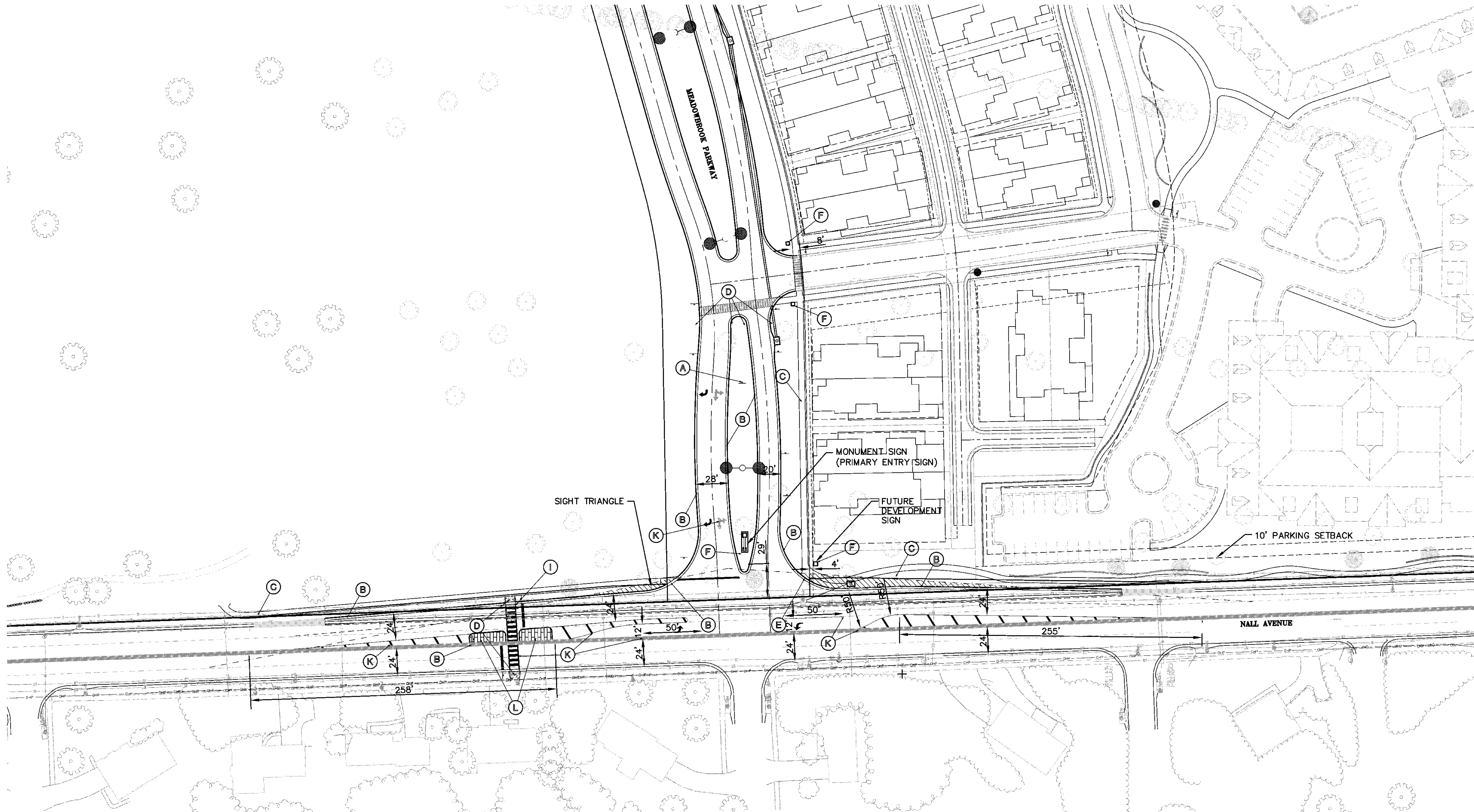
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SITE PLAN - LEDOM
MEADOWBROOK PARK
 PRAIRIE VILLAGE, KANSAS
 FINAL DEVELOPMENT PLANS

PROJECT NO.	DATE	NO.	DATE	REVISIONS:	BY	APP.
1500003	03-04-16	MFR				
		DESIGNED:	DEU			
		CHECKED:				
		APPROVED:				

C1.8

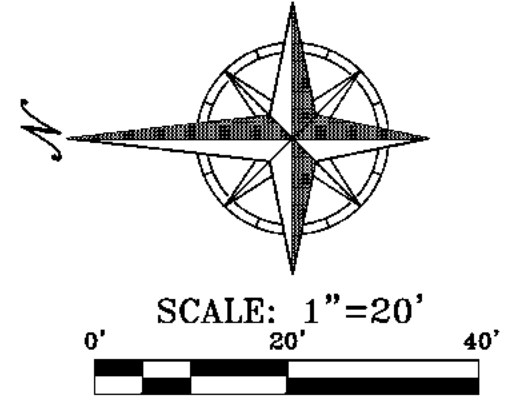


SCALE:
1"=2000'

VICINITY MAP
SEC. 33-12-25

SITE KEY NOTES:

- (A) INSTALL WAYFINDING SIGNS
- (B) CONSTRUCT CURB & GUTTER
- (C) CONSTRUCT CONCRETE SIDEWALK
- (D) CONSTRUCT TYPE A SIDEWALK RAMP
- (E) CONSTRUCT TYPE B SIDEWALK RAMP
- (F) INSTALL NEIGHBORHOOD ENTRY SIGN
- (G) CONSTRUCT CONCRETE DRIVEWAY
- (H) CONSTRUCT ASPHALT PAVEMENT (TYP.)
- (I) STRIPE PEDESTRIAN CROSSING
- (J) INSTALL GREEN SPACE MARKER
- (K) PAVEMENT MARKINGS
- (L) STAMPED/COLORED CONCRETE



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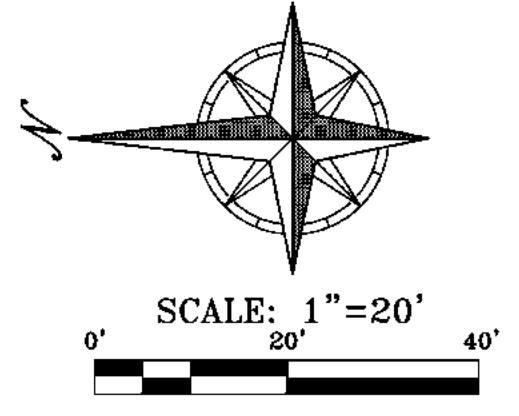
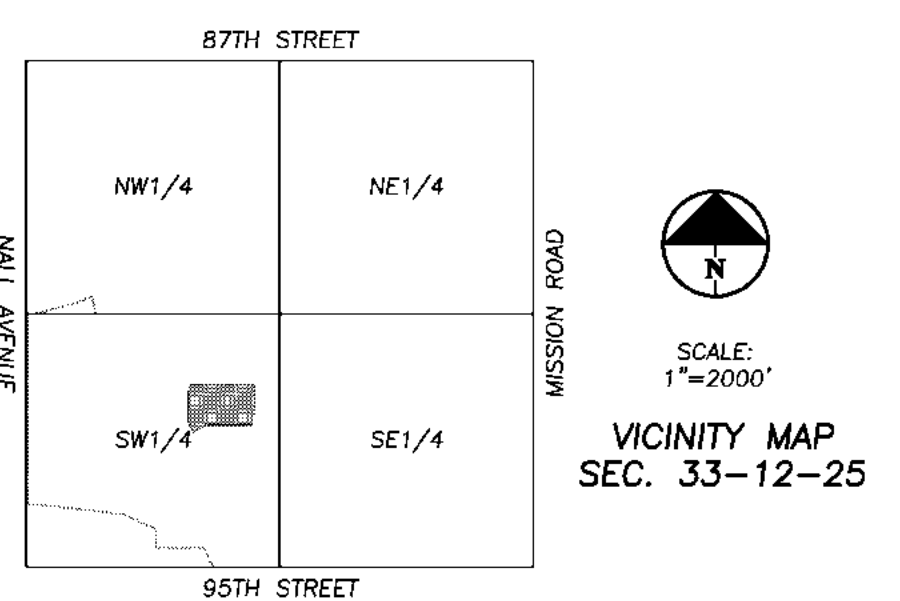
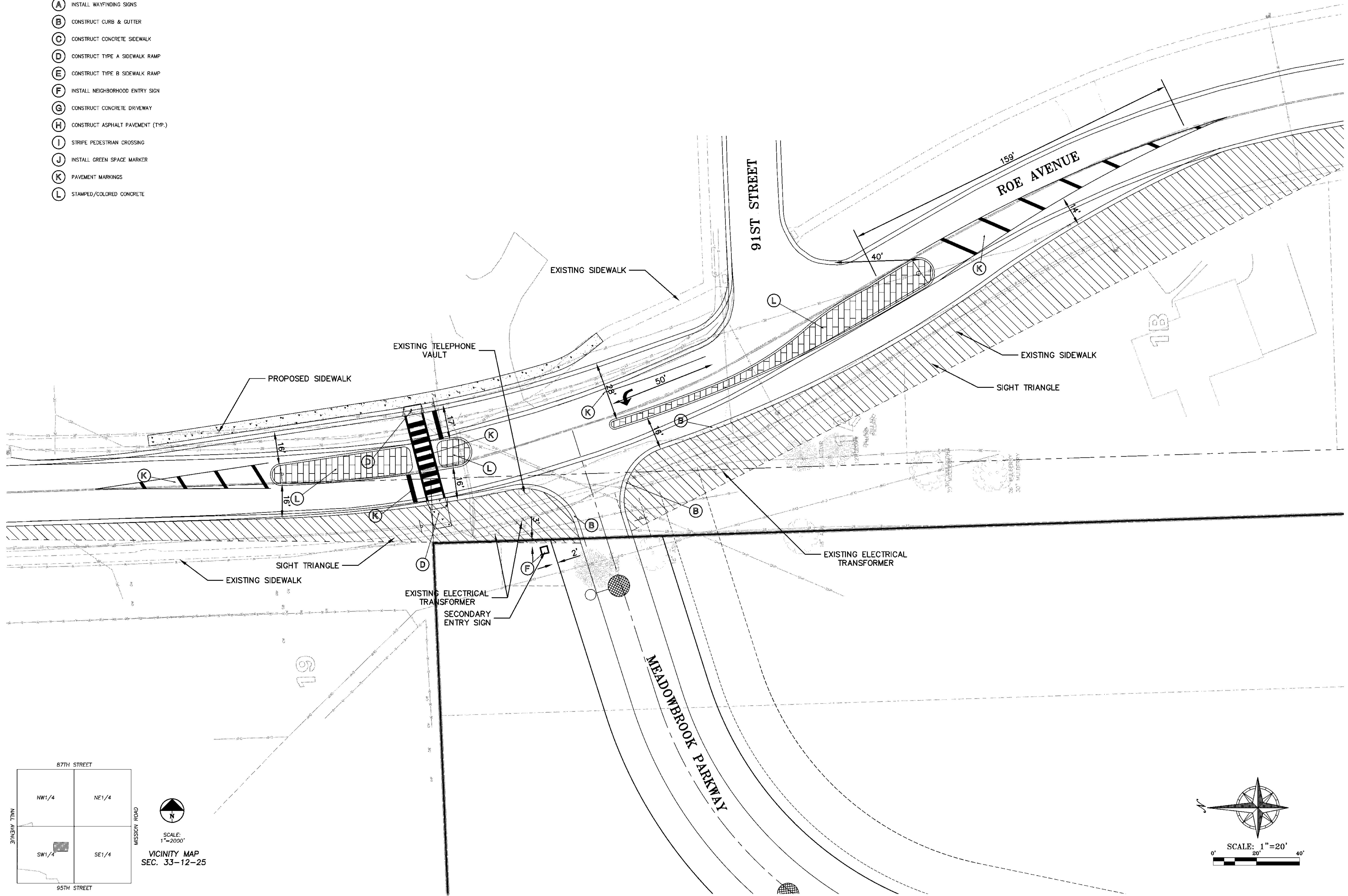
SITE PLAN - NALL INTERSECTION
MEADOWBROOK PARK
PRAIRIE VILLAGE, KANSAS
FINAL DEVELOPMENT PLANS

PROJECT NO.	150008	No.	Date
DATE:	03-04-16		
DRAWN:	MJR		
DESIGNED:	DEU		
CHECKED:			
APPROVED:			

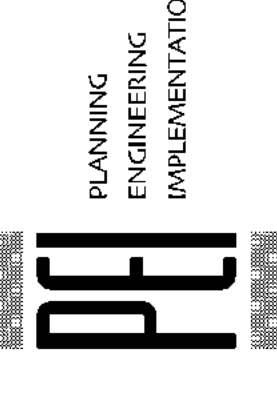
SHEET
C1.9

SITE KEY NOTES:

- (A) INSTALL WAYFINDING SIGNS
- (B) CONSTRUCT CURB & GUTTER
- (C) CONSTRUCT CONCRETE SIDEWALK
- (D) CONSTRUCT TYPE A SIDEWALK RAMP
- (E) CONSTRUCT TYPE B SIDEWALK RAMP
- (F) INSTALL NEIGHBORHOOD ENTRY SIGN
- (G) CONSTRUCT CONCRETE DRIVEWAY
- (H) CONSTRUCT ASPHALT PAVEMENT (TYP.)
- (I) STRIPE PEDESTRIAN CROSSING
- (J) INSTALL GREEN SPACE MARKER
- (K) PAVEMENT MARKINGS
- (L) STAMPED/COLORED CONCRETE



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SITE PLAN - ROE INTERSECTION
MEADOWBROOK PARK
PRAIRIE VILLAGE, KANSAS
FINAL DEVELOPMENT PLANS

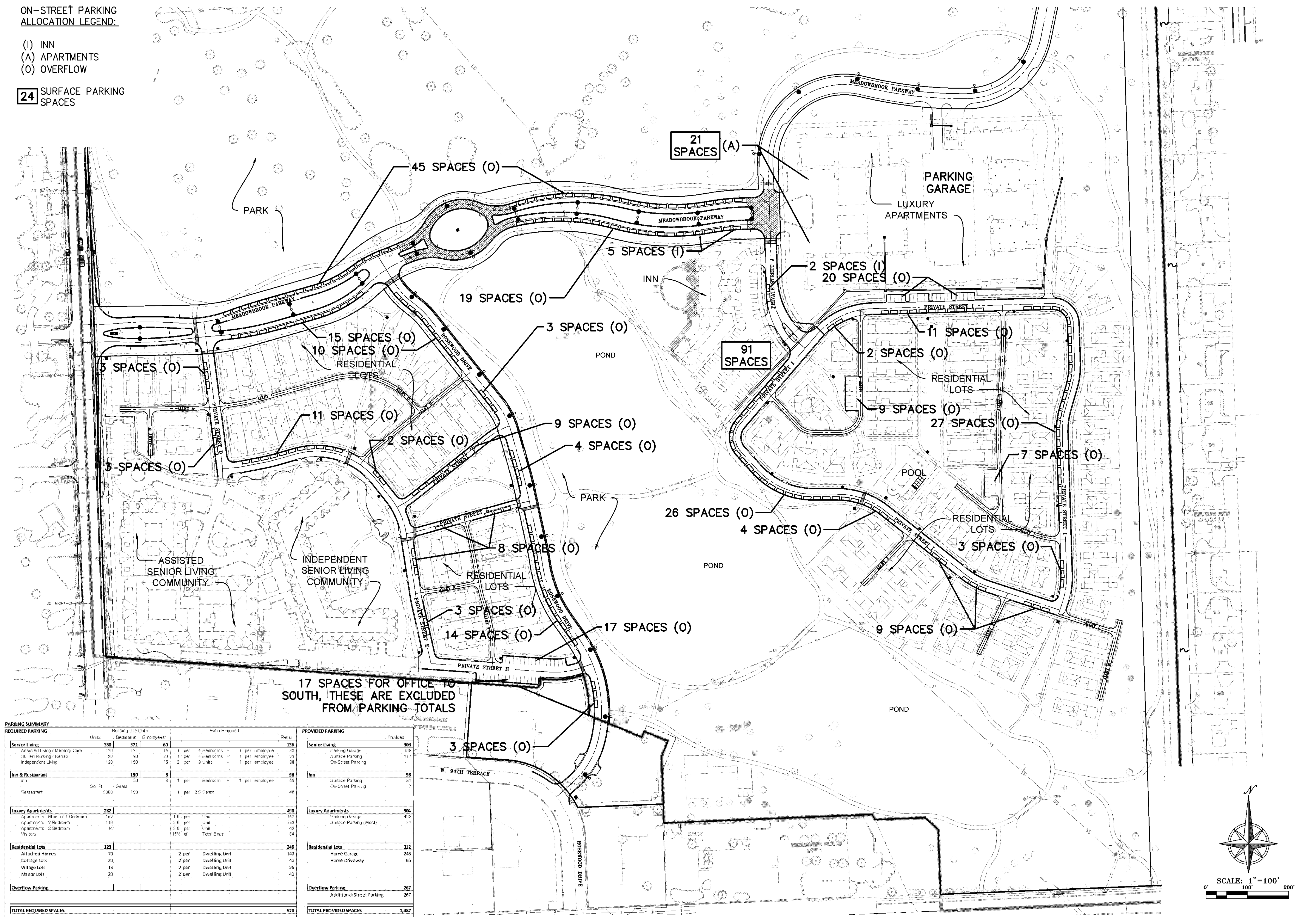
PROJECT NO.	160008	No.	Date	By	App.
DATE:	03-04-16				
DRAWN:	MJR				
DESIGNED:	DEU				
CHECKED:					
APPROVED:					

SHEET
C1.10

ON-STREET PARKING ALLOCATION LEGEND:

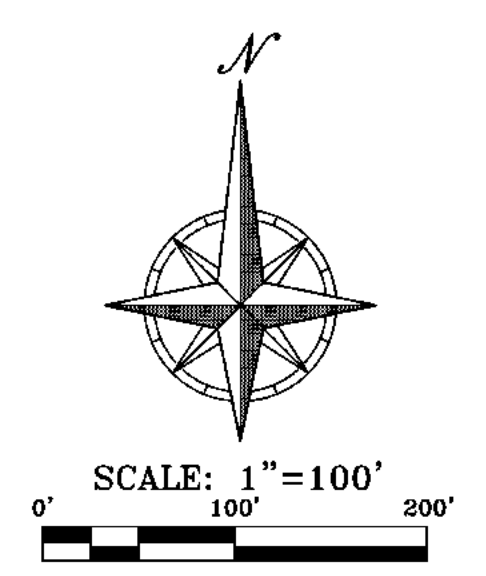
- (I) INN
- (A) APARTMENTS
- (O) OVERFLOW

24 SURFACE PARKING SPACES

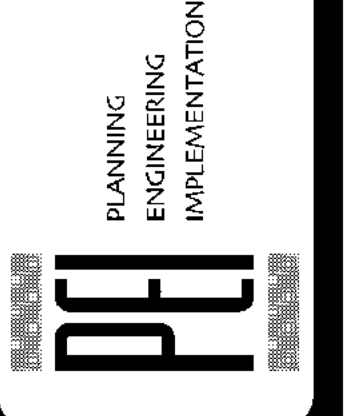


17 SPACES FOR OFFICE TO SOUTH, THESE ARE EXCLUDED FROM PARKING TOTALS

REQUIRED PARKING				PROVIDED PARKING			
Building Use Data	Units	Bedrooms	Employees*	Ratio Required	Req'd	Provided	
Senior Living	330	371	60		336	306	
Assisted Living / Memory Care	120	131	14	1 per 4 Bedrooms + 1 per employee	39	189	
Skilled Nursing / Rehab	80	80	29	1 per 4 Bedrooms + 1 per employee	79	117	
Independent Living	120	150	19	2 per 2 Units + 1 per employee	80		
Inn & Restaurant	150		8		98	98	
Inn	50		8	1 per Bedroom + 1 per employee	58	51	
Restaurant	5000		100	1 per 2.5 Seats	40	7	
Luxury Apartments	282				304	304	
Apartments - Studio / 1 Bedroom	152			1.0 per Unit	152	152	
Apartments - 2 Bedroom	110			2.0 per Unit	232	232	
Apartments - 3 Bedroom	14			3.0 per Unit	42	42	
Visitors				15% of Total Beds	64	64	
Residential Lots	323				246	312	
Attached Homes	70			2 per Dwelling Unit	140	140	
Cottage Lots	20			2 per Dwelling Unit	40	40	
Village Lots	13			2 per Dwelling Unit	26	26	
Minor Lots	20			2 per Dwelling Unit	40	40	
Overflow Parking						267	
TOTAL REQUIRED SPACES					970		
TOTAL PROVIDED SPACES						1,487	



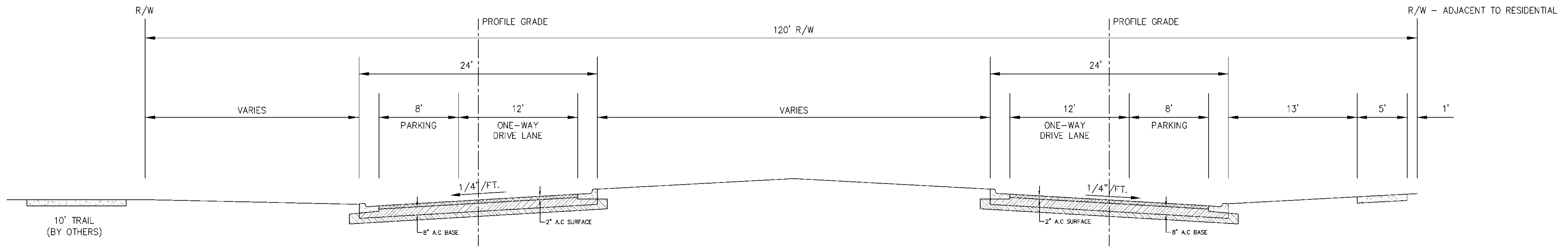
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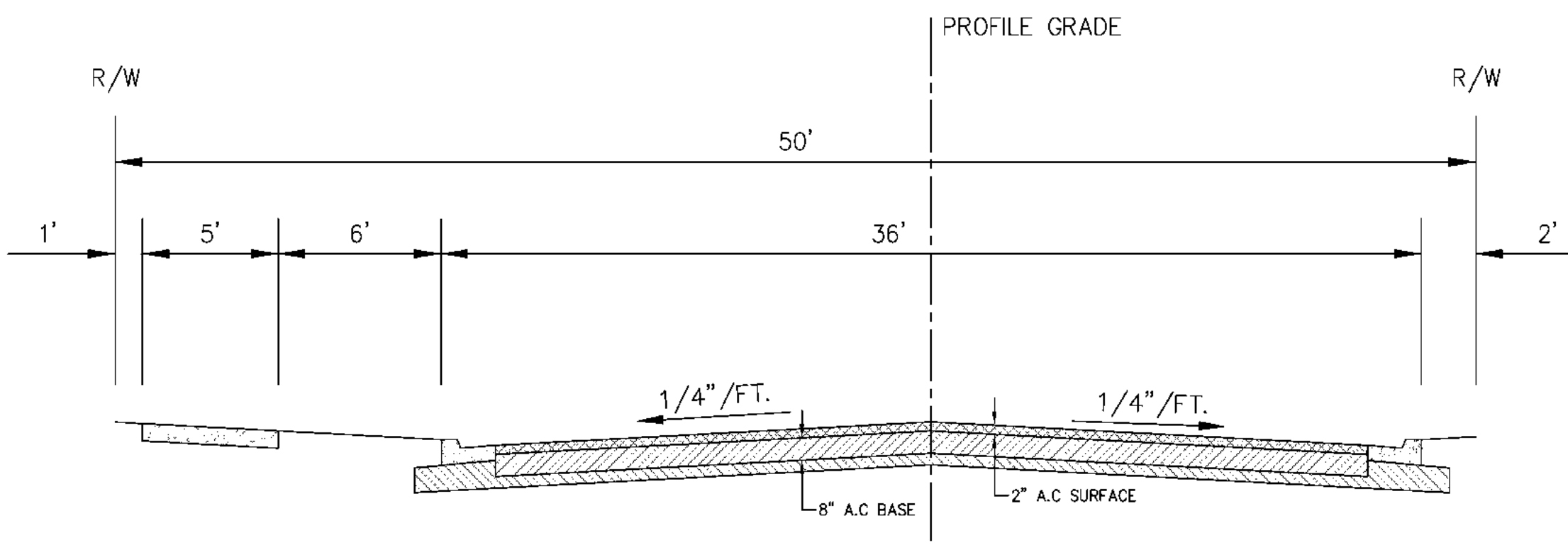
PARKING PLAN
MEADOWBROOK PARK
PRAIRIE VILLAGE, KANSAS
FINAL DEVELOPMENT PLANS

PROJECT NO.	160008	No.	Date	By	App.
DATE:	03-04-16				
DRAWN:	MWR				
DESIGNED:	DCU				
CHECKED:					
APPROVED:					

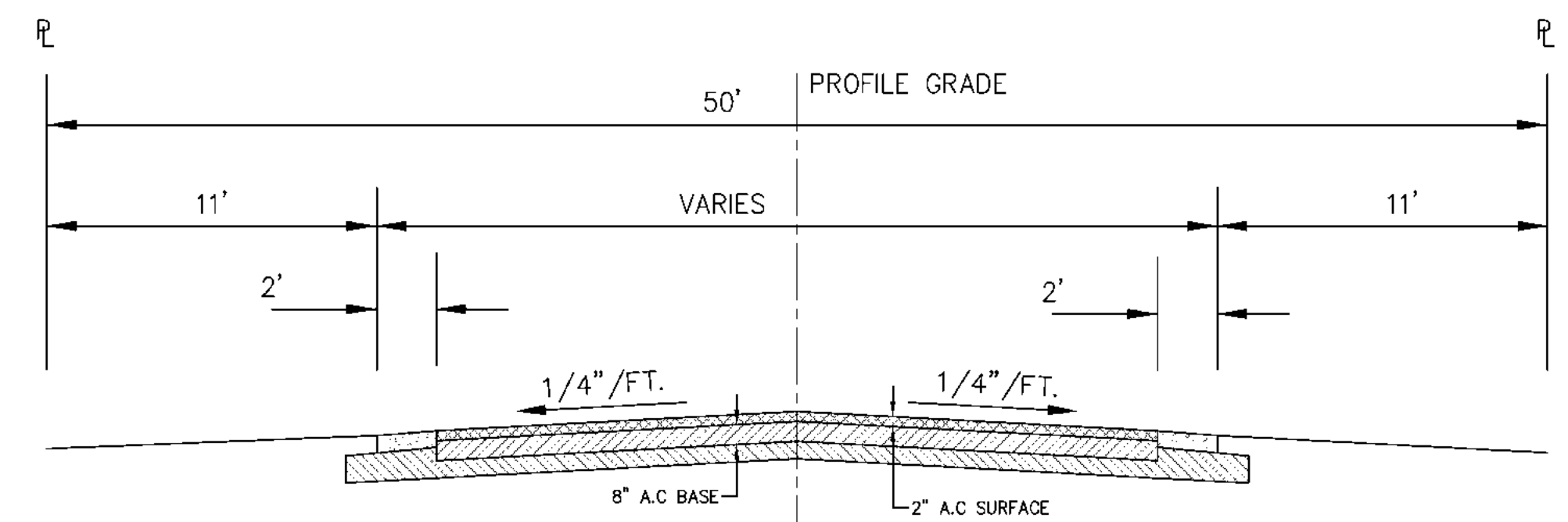
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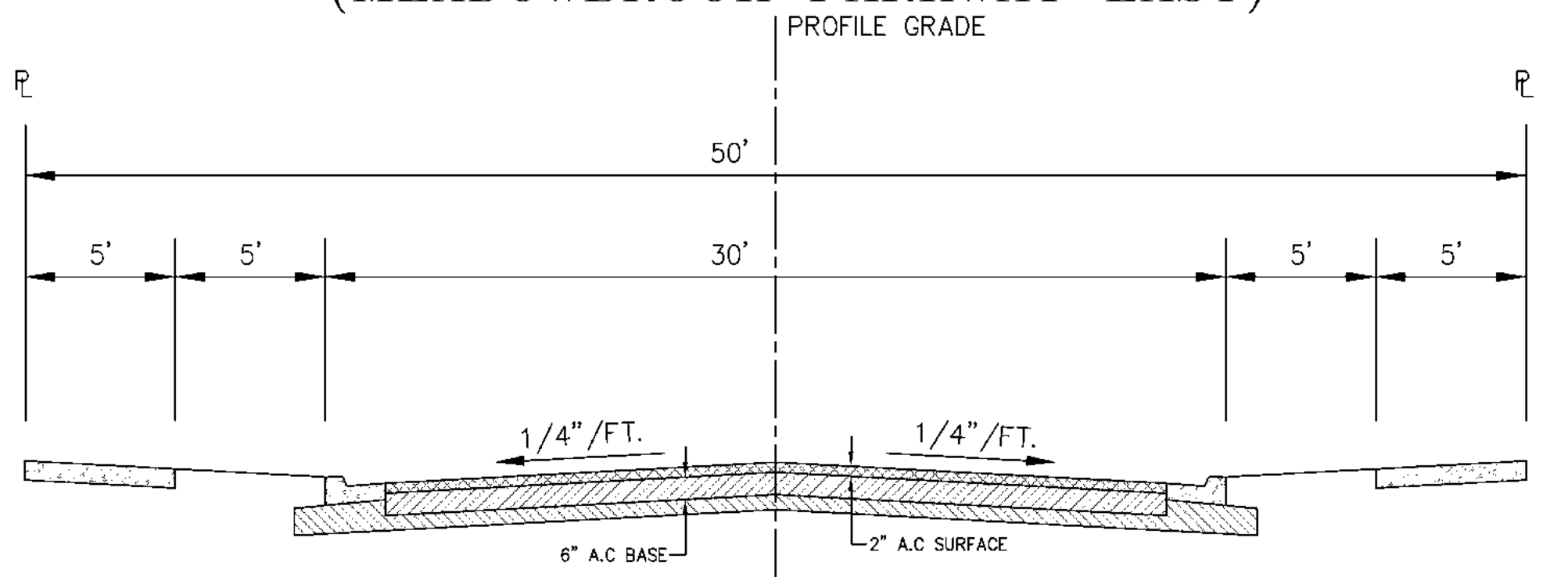
**PARKWAY
(MEADOWBROOK PARKWAY)**



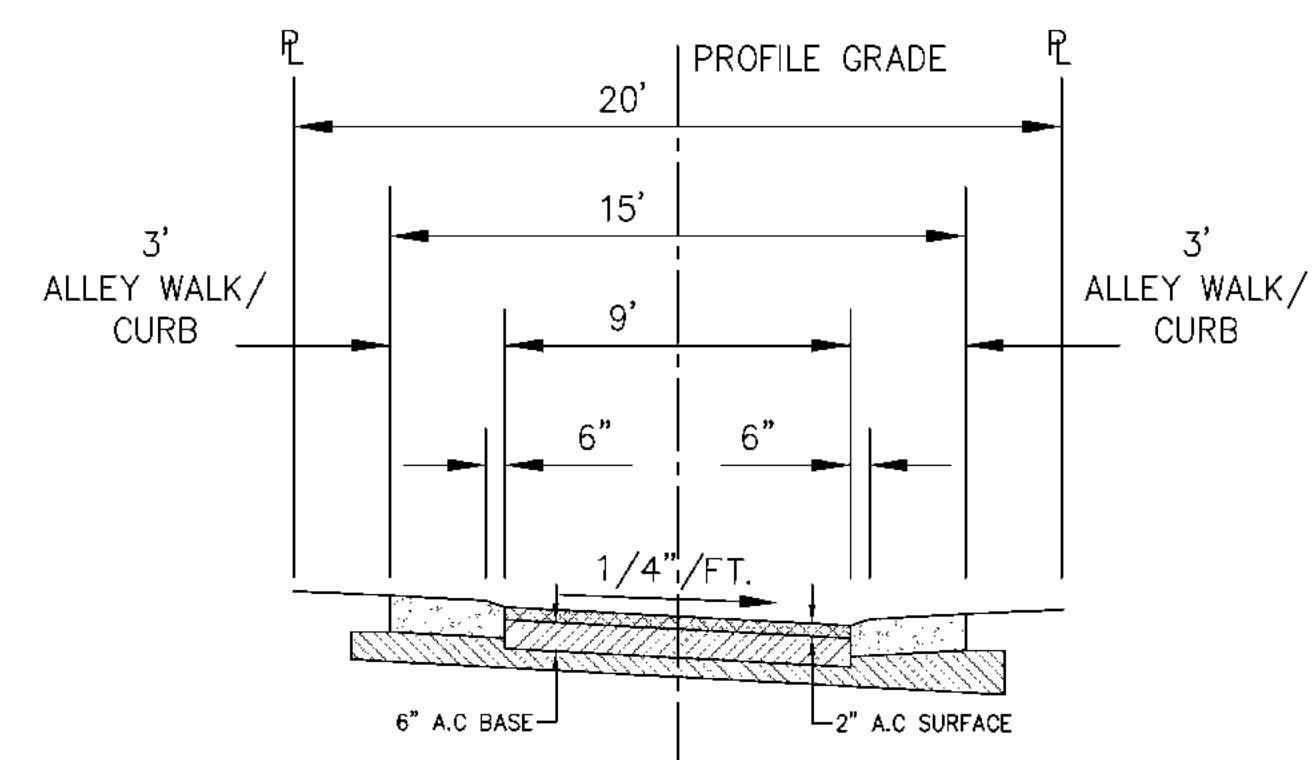
**PARK EDGE CONNECTOR STREET
(ROSEWOOD DRIVE)**



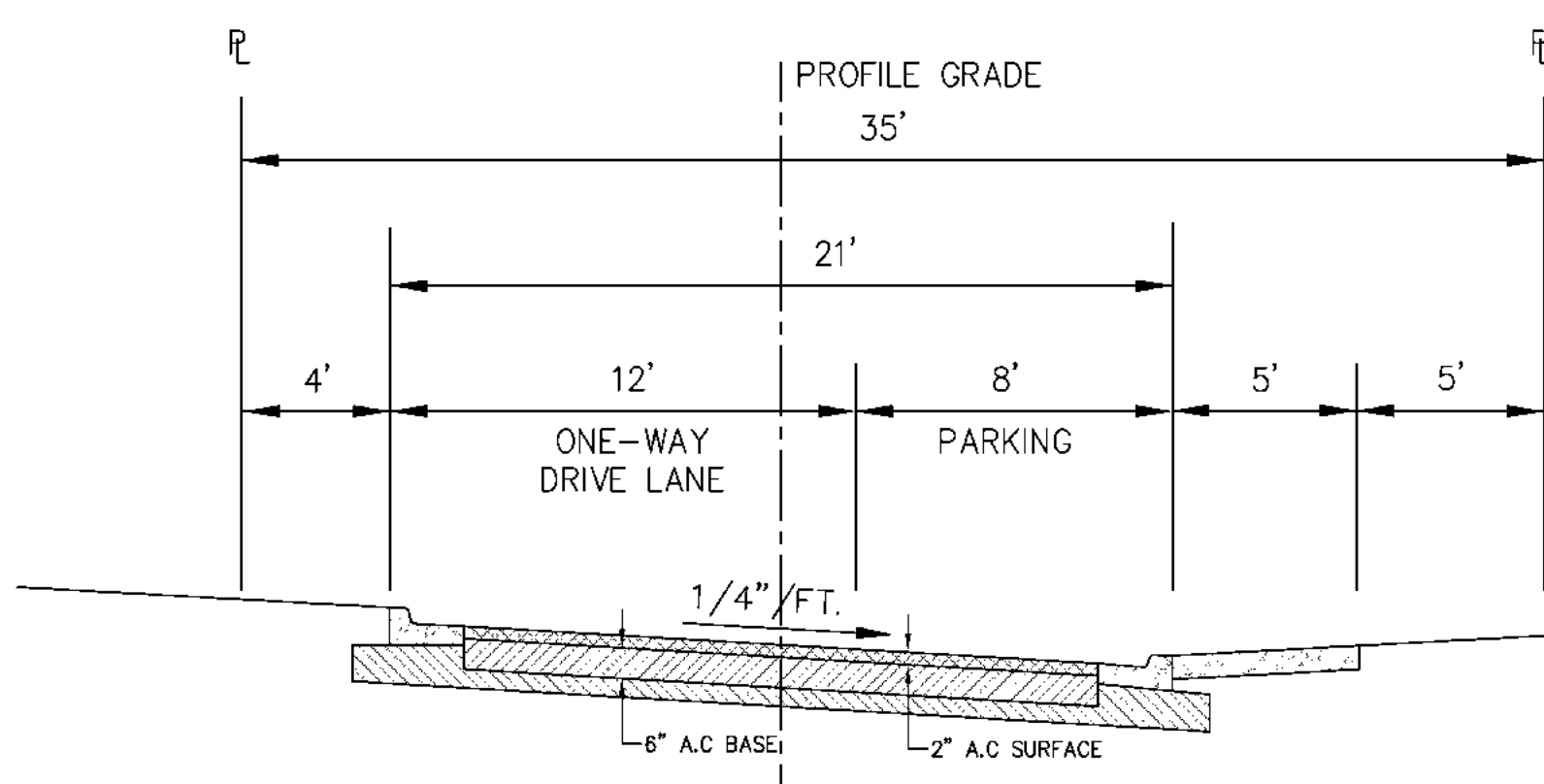
**PARK ACCESS ROAD
(MEADOWBROOK PARKWAY EAST)**



**RESIDENTIAL STREET
(PRIVATE STREETS D-E, H-J)**



**ALLEY
(ALLEYS A-M)**



**RESIDENTIAL STREET - ONE WAY
(PRIVATE STREETS F-G)**

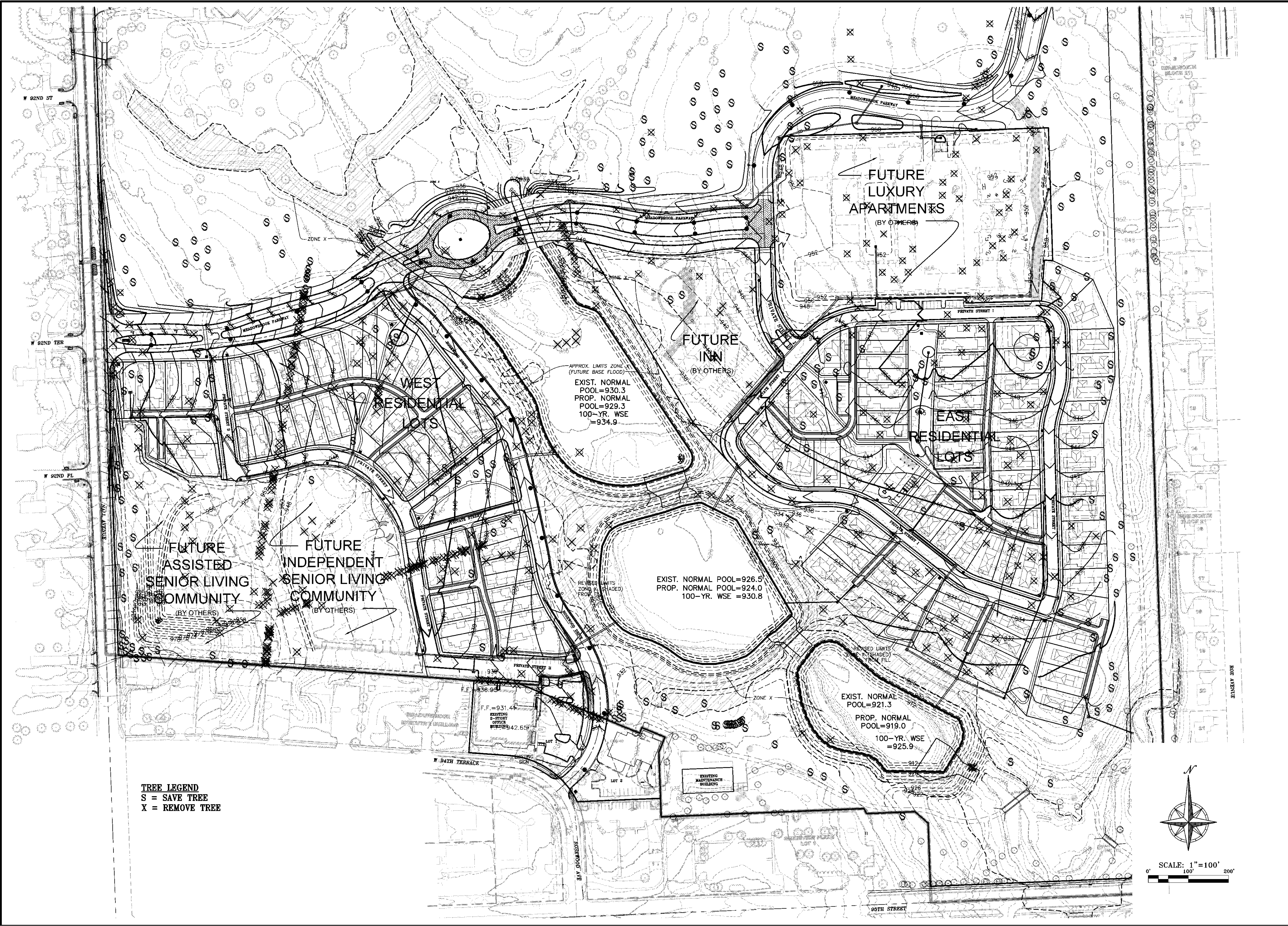
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TYPICAL SECTIONS
MEADOWBROOK PARK
 PRAIRIE VILLAGE, KANSAS
 FINAL DEVELOPMENT PLANS

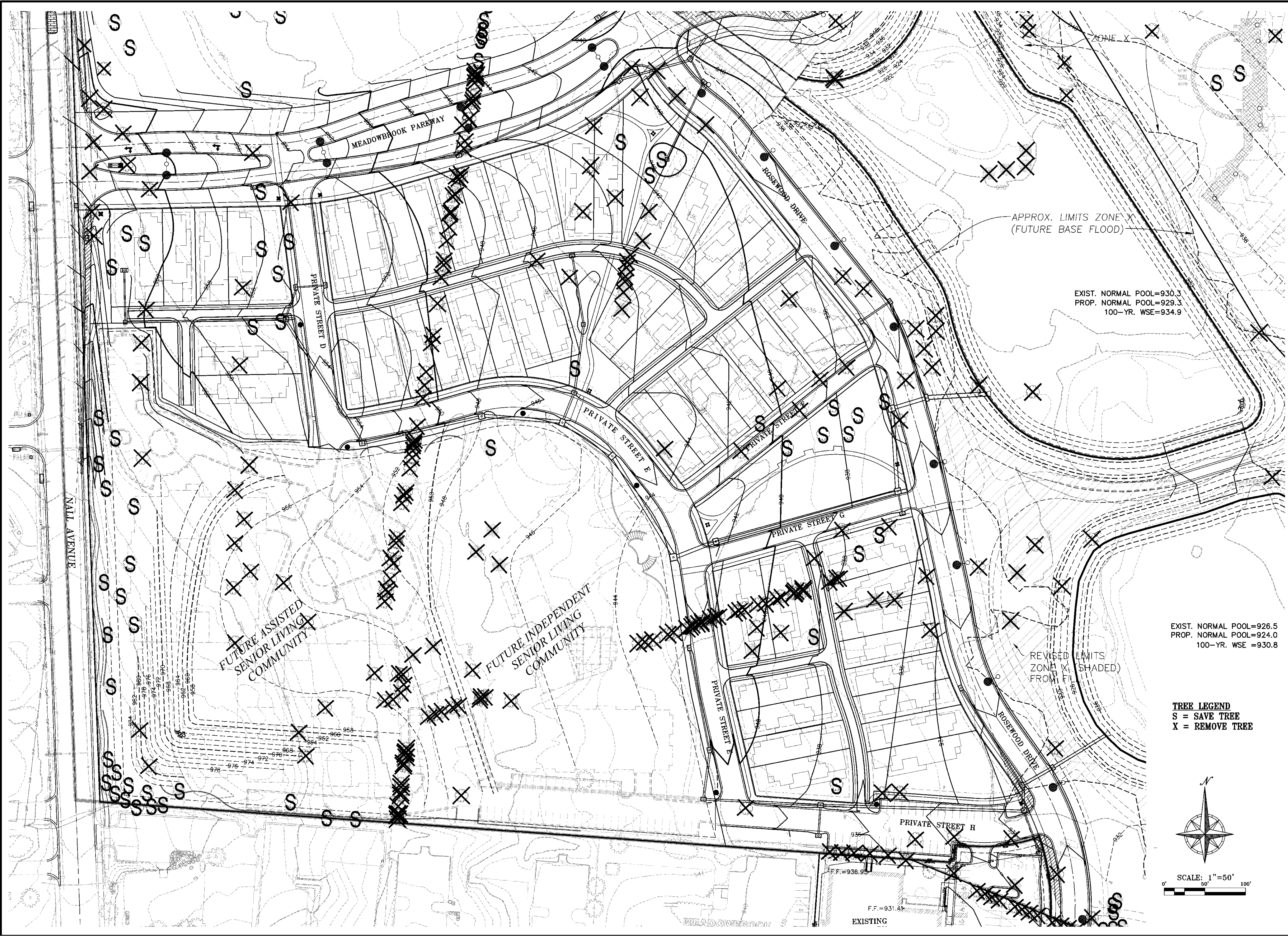
PROJECT NO.	DATE	REVISIONS
150008	03-04-16	
DRAWN: MFR		
DESIGNED: DEU		
CHECKED:		
APPROVED:		

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PROJECT NO.	150003	No.	Date	By	App.
DATE:	03-04-16				
DRAWN:	MRR				
DESIGNED:	DCU				
CHECKED:					
APPROVED:					

Z:\P\160808.dwg (Final Development Plans)\Grading Plan.dwg Layout:WEST RESIDENTIAL LOTS Mar 30, 2016 - 9:40am Mark Reschner



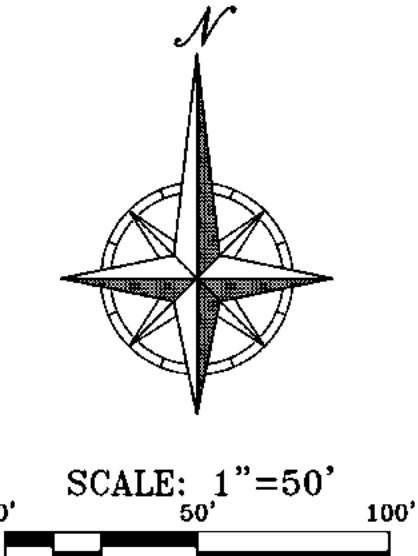
APPROX. LIMITS ZONE X
(FUTURE BASE FLOOD)

EXIST. NORMAL POOL=930.3
PROP. NORMAL POOL=929.3
100-YR. WSE=934.9

EXIST. NORMAL POOL=926.5
PROP. NORMAL POOL=924.0
100-YR. WSE =930.8

REVISED LIMITS
ZONE X (SHADED)
FROM FILE

TREE LEGEND
S = SAVE TREE
X = REMOVE TREE



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PEI

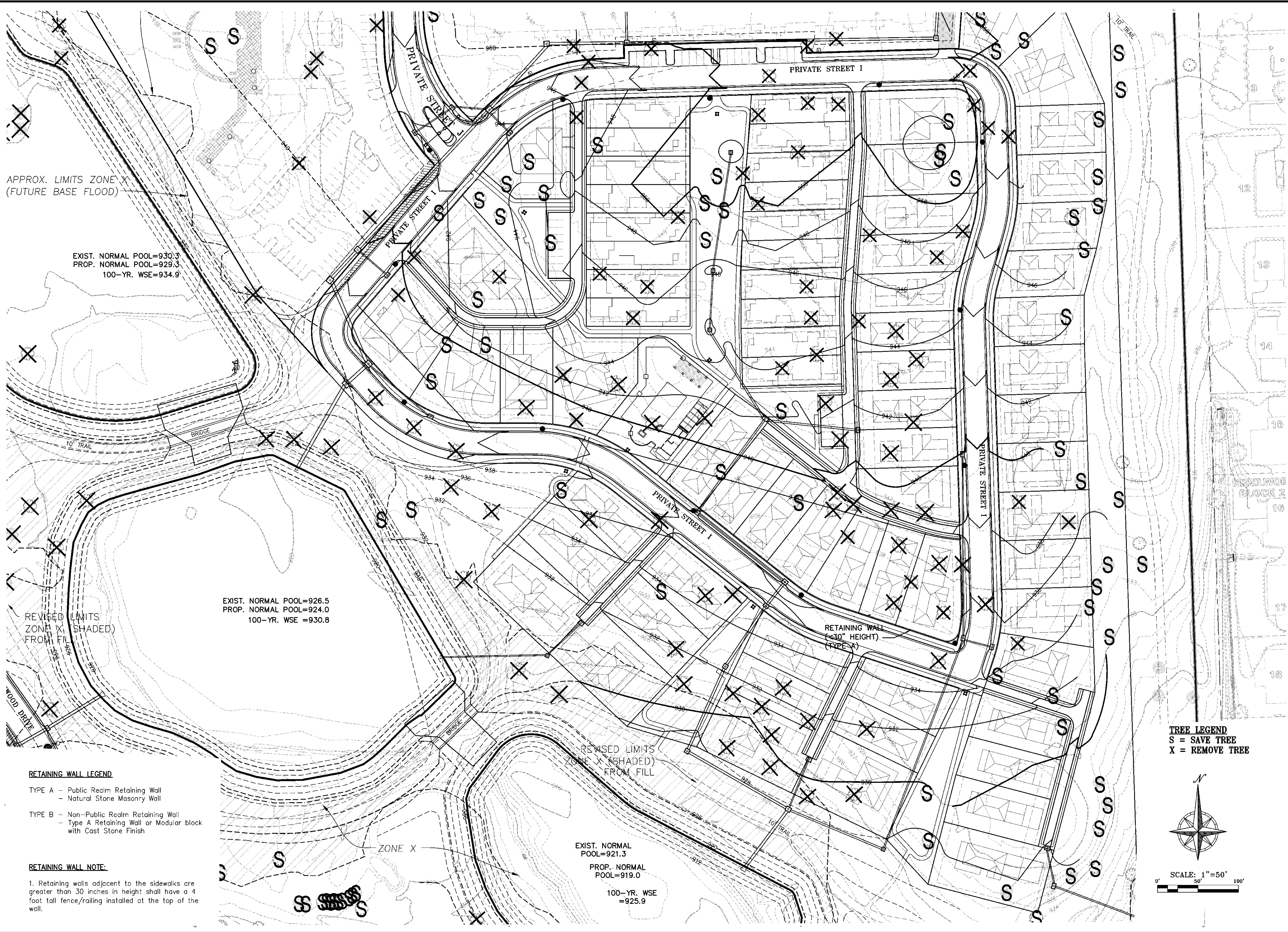
GRADING PLAN - WEST RESIDENTIAL LOTS
MEADOWBROOK PARK
PRAIRIE VILLAGE, KANSAS
FINAL DEVELOPMENT PLANS

PROJECT NO.	160808	No.	Date
DATE:	03-04-16		
DRAWN:	MFR		
DESIGNED:	DEU		
CHECKED:			
APPROVED:			

Revisions:

By	App.	Rev.	Description

C2.2



APPROX. LIMITS ZONE X
(FUTURE BASE FLOOD)

EXIST. NORMAL POOL=930.3
PROP. NORMAL POOL=929.3
100-YR. WSE=934.9

REVISED LIMITS
ZONE X (SHADED)
FROM FILL

EXIST. NORMAL POOL=926.5
PROP. NORMAL POOL=924.0
100-YR. WSE =930.8

REVISED LIMITS
ZONE X (SHADED)
FROM FILL

EXIST. NORMAL POOL=921.3
PROP. NORMAL POOL=919.0
100-YR. WSE =925.9

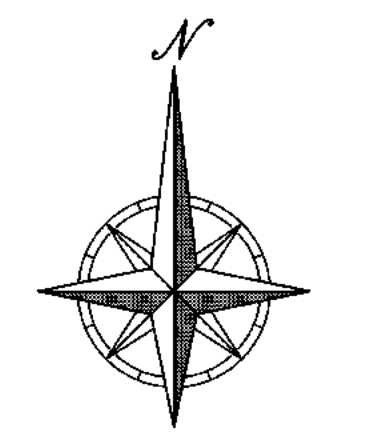
RETAINING WALL LEGEND

- TYPE A - Public Realm Retaining Wall
 - Natural Stone Masonry Wall
- TYPE B - Non-Public Realm Retaining Wall
 - Type A Retaining Wall or Modular block with Cast Stone Finish

RETAINING WALL NOTE:

1. Retaining walls adjacent to the sidewalks are greater than 30 inches in height shall have a 4 foot tall fence/railing installed at the top of the wall.

TREE LEGEND
S = SAVE TREE
X = REMOVE TREE



SCALE: 1"=50'
0' 50' 100'

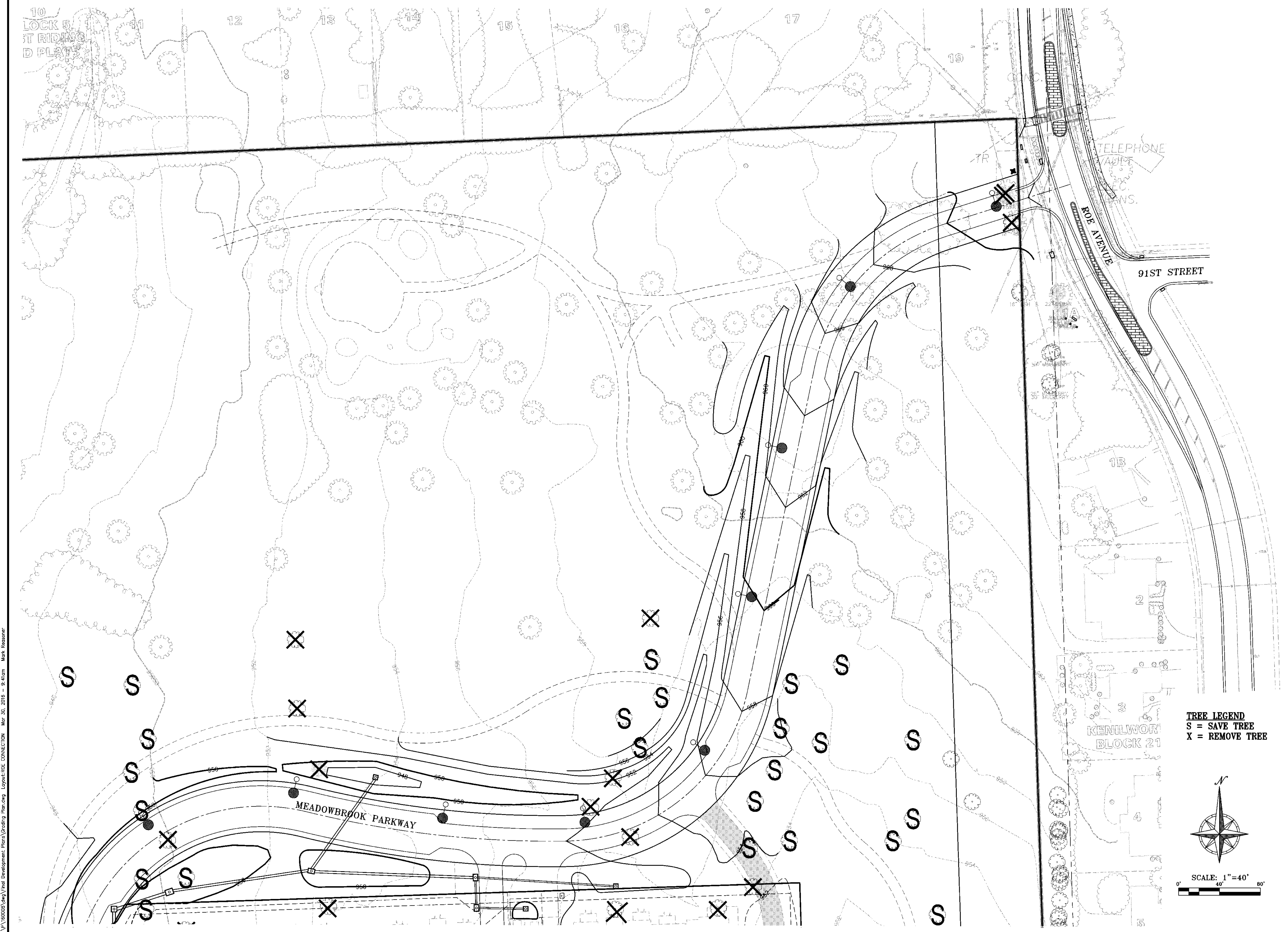
GRADING PLAN - EAST RESIDENTIAL LOTS
MEADOWBROOK PARK
PRAIRIE VILLAGE, KANSAS
FINAL DEVELOPMENT PLANS

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PROJECT NO.	160008	No.	Date
DATE:	03-04-16	MFR	
DRAWN:		DCU	
CHECKED:			
APPROVED:			

C2.3



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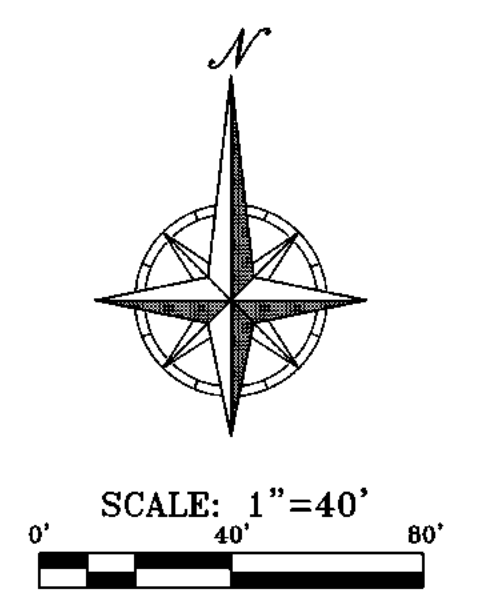
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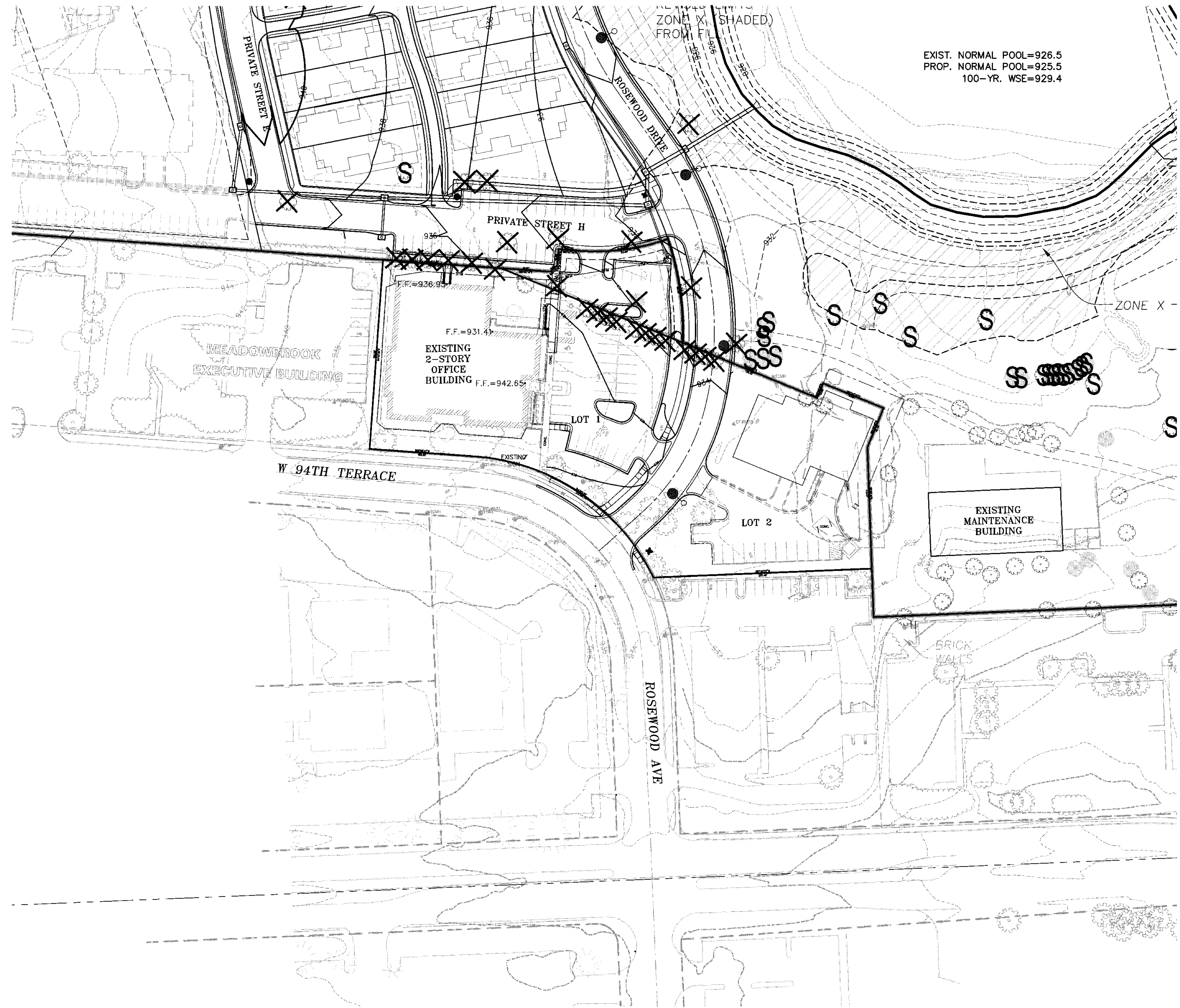
GRADING PLAN -
MEADOWBROOK PARKWAY
MEADOWBROOK PARKWAY
 PRAIRIE VILLAGE, KANSAS
 FINAL DEVELOPMENT PLANS

PROJECT NO.	T60008	No.	Date	By	App.
DATE:	03-04-16				
DRAWN:	MRR				
DESIGNED:	DEU				
CHECKED:					
APPROVED:					

TREE LEGEND
 S = SAVE TREE
 X = REMOVE TREE

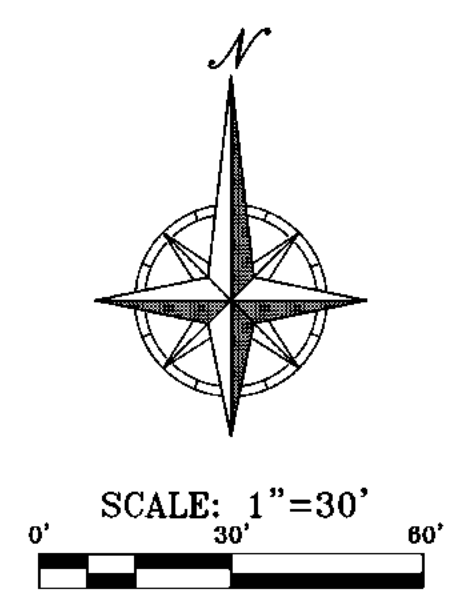


C2.4



EXIST. NORMAL POOL=926.5
 PROP. NORMAL POOL=925.5
 100-YR. WSE=929.4

TREE LEGEND
 S = SAVE TREE
 X = REMOVE TREE



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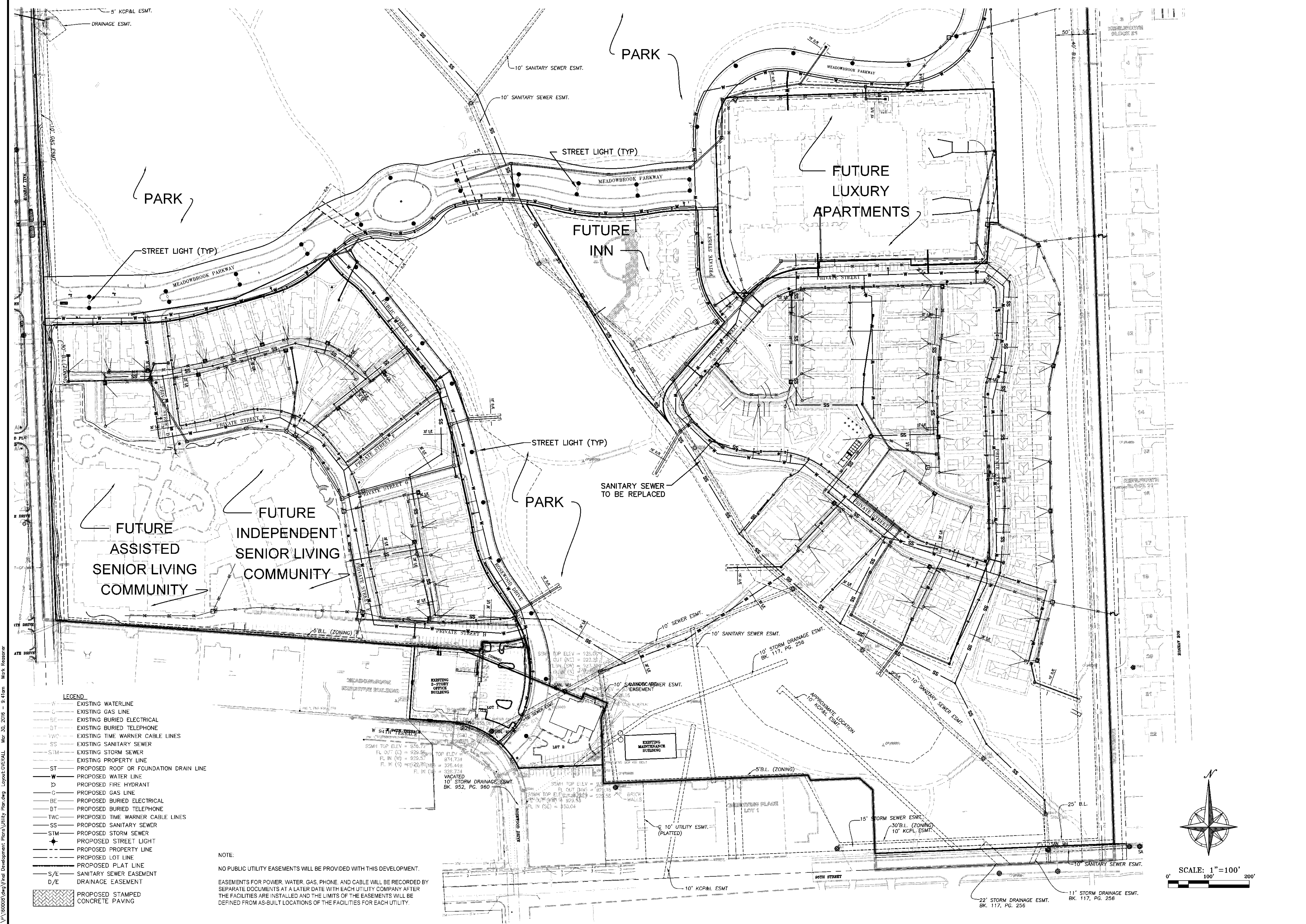
PLANNING
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GRADING PLAN - LEDOM
MEADOWBROOK PARK
 PRAIRIE VILLAGE, KANSAS
 FINAL DEVELOPMENT PLANS

PROJECT NO.	TS0008	No.	Date	By	App.
DATE:	03-04-16				
DRAWN:	MFR				
DESIGNED:	DEU				
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APPROVED:					

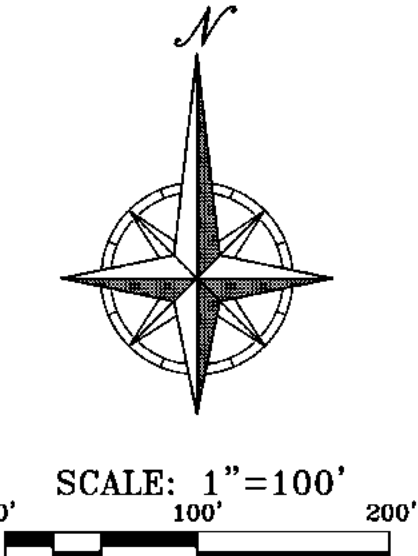
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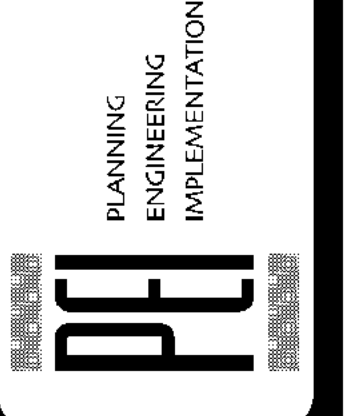


- LEGEND**
- W- EXISTING WATERLINE
 - G- EXISTING GAS LINE
 - SE- EXISTING BURIED ELECTRICAL
 - BT- EXISTING BURIED TELEPHONE
 - TWC- EXISTING TIME WARNER CABLE LINES
 - SS- EXISTING SANITARY SEWER
 - STM- EXISTING STORM SEWER
 - P- EXISTING PROPERTY LINE
 - ST- PROPOSED ROOF OR FOUNDATION DRAIN LINE
 - W- PROPOSED WATER LINE
 - D- PROPOSED FIRE HYDRANT
 - G- PROPOSED GAS LINE
 - BE- PROPOSED BURIED ELECTRICAL
 - BT- PROPOSED BURIED TELEPHONE
 - TWC- PROPOSED TIME WARNER CABLE LINES
 - SS- PROPOSED SANITARY SEWER
 - STM- PROPOSED STORM SEWER
 - S/L- PROPOSED STREET LIGHT
 - P- PROPOSED PROPERTY LINE
 - L- PROPOSED LOT LINE
 - PL- PROPOSED PLAT LINE
 - S/E- SANITARY SEWER EASEMENT
 - D/E- DRAINAGE EASEMENT
 - [Hatched Box] PROPOSED STAMPED CONCRETE PAVING

NOTE:
 NO PUBLIC UTILITY EASEMENTS WILL BE PROVIDED WITH THIS DEVELOPMENT.
 EASEMENTS FOR POWER, WATER, GAS, PHONE, AND CABLE WILL BE RECORDED BY SEPARATE DOCUMENTS AT A LATER DATE WITH EACH UTILITY COMPANY AFTER THE FACILITIES ARE INSTALLED AND THE LIMITS OF THE EASEMENTS WILL BE DEFINED FROM AS-BUILT LOCATIONS OF THE FACILITIES FOR EACH UTILITY.



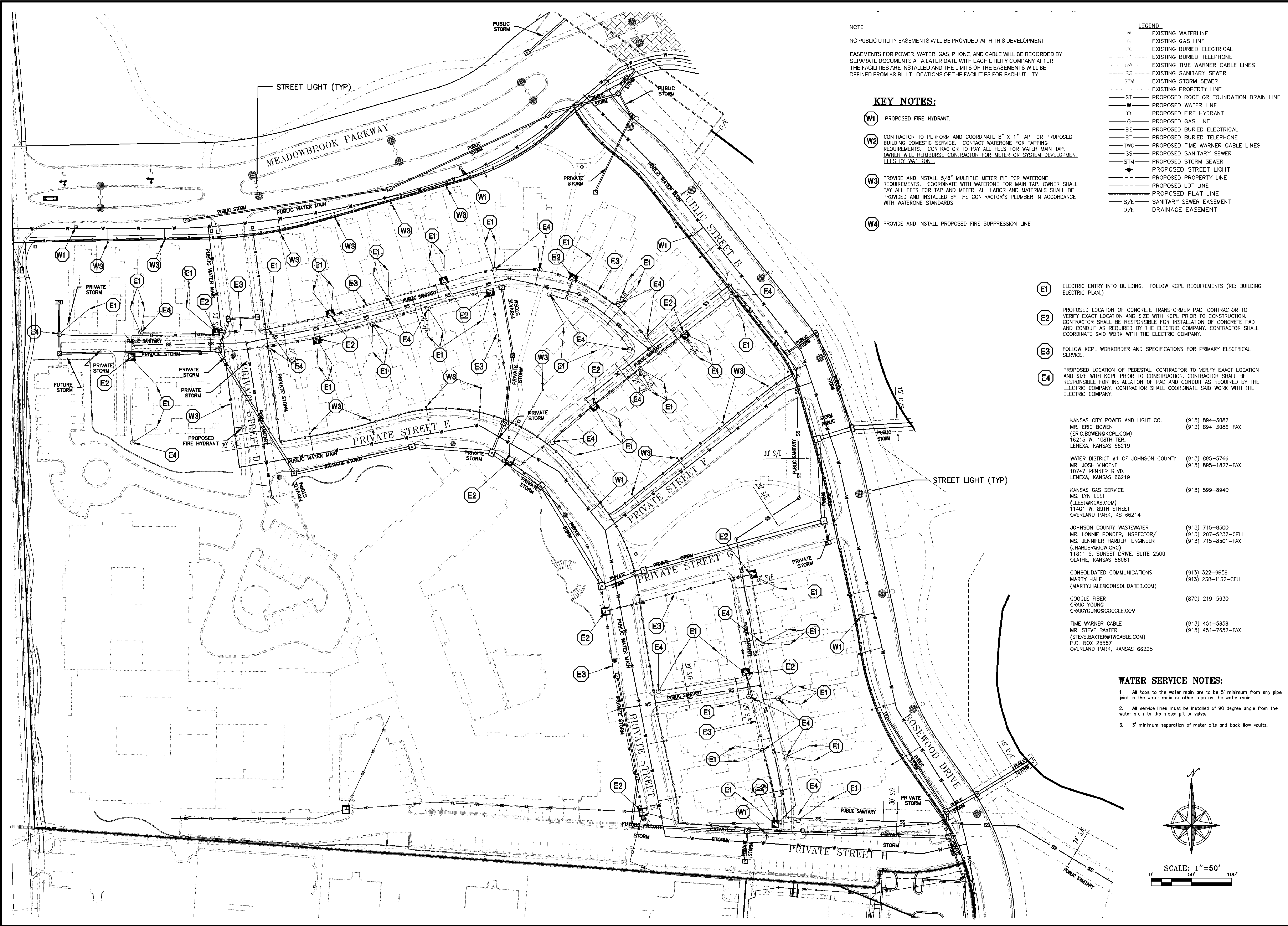
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UTILITY PLAN - OVERALL
MEADOWBROOK PARK
 PRAIRIE VILLAGE, KANSAS
 FINAL DEVELOPMENT PLANS

PROJECT NO.	150008	No.	Date	By	App.
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APPROVED:					

C3.1



NOTE:
NO PUBLIC UTILITY EASEMENTS WILL BE PROVIDED WITH THIS DEVELOPMENT.
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- KEY NOTES:**
- (W1) PROPOSED FIRE HYDRANT.
 - (W2) CONTRACTOR TO PERFORM AND COORDINATE 8" X 1" TAP FOR PROPOSED BUILDING DOMESTIC SERVICE. CONTACT WATERONE FOR TAPPING REQUIREMENTS. CONTRACTOR TO PAY ALL FEES FOR WATER MAIN TAP. OWNER WILL REIMBURSE CONTRACTOR FOR METER OR SYSTEM DEVELOPMENT FEES BY WATERONE.
 - (W3) PROVIDE AND INSTALL 5/8" MULTIPLE METER PIT PER WATERONE REQUIREMENTS. COORDINATE WITH WATERONE FOR MAIN TAP. OWNER SHALL PAY ALL FEES FOR TAP AND METER. ALL LABOR AND MATERIALS SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR'S PLUMBER IN ACCORDANCE WITH WATERONE STANDARDS.
 - (W4) PROVIDE AND INSTALL PROPOSED FIRE SUPPRESSION LINE

- LEGEND:**
- W — EXISTING WATERLINE
 - G — EXISTING GAS LINE
 - E1 — EXISTING BURIED ELECTRICAL
 - BT — EXISTING BURIED TELEPHONE
 - TWC — EXISTING TIME WARNER CABLE LINES
 - SS — EXISTING SANITARY SEWER
 - STM — EXISTING STORM SEWER
 - — — EXISTING PROPERTY LINE
 - ST — PROPOSED ROOF OR FOUNDATION DRAIN LINE
 - W — PROPOSED WATER LINE
 - D — PROPOSED FIRE HYDRANT
 - G — PROPOSED GAS LINE
 - BE — PROPOSED BURIED ELECTRICAL
 - BT — PROPOSED BURIED TELEPHONE
 - TWC — PROPOSED TIME WARNER CABLE LINES
 - SS — PROPOSED SANITARY SEWER
 - STM — PROPOSED STORM SEWER
 - + — PROPOSED STREET LIGHT
 - - - - PROPOSED PROPERTY LINE
 - - - - PROPOSED LOT LINE
 - - - - PROPOSED PLAT LINE
 - S/E — SANITARY SEWER EASEMENT
 - D/E — DRAINAGE EASEMENT

- (E1) ELECTRIC ENTRY INTO BUILDING. FOLLOW KCPL REQUIREMENTS (RE: BUILDING ELECTRIC PLAN.)
- (E2) PROPOSED LOCATION OF CONCRETE TRANSFORMER PAD. CONTRACTOR TO VERIFY EXACT LOCATION AND SIZE WITH KCPL PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF CONCRETE PAD AND CONDUIT AS REQUIRED BY THE ELECTRIC COMPANY. CONTRACTOR SHALL COORDINATE SAID WORK WITH THE ELECTRIC COMPANY.
- (E3) FOLLOW KCPL WORKORDER AND SPECIFICATIONS FOR PRIMARY ELECTRICAL SERVICE.
- (E4) PROPOSED LOCATION OF PEDESTAL. CONTRACTOR TO VERIFY EXACT LOCATION AND SIZE WITH KCPL PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF PAD AND CONDUIT AS REQUIRED BY THE ELECTRIC COMPANY. CONTRACTOR SHALL COORDINATE SAID WORK WITH THE ELECTRIC COMPANY.

KANSAS CITY POWER AND LIGHT CO. (913) 894-3082
MR. ERIC BOWEN (913) 894-3086-FAX
(ERIC.BOWEN@KCPL.COM)
16215 W. 108TH TER.
LENEXA, KANSAS 66219

WATER DISTRICT #1 OF JOHNSON COUNTY (913) 895-5766
MR. JOSH VINCENT (913) 895-1827-FAX
10747 RENNER BLVD.
LENEXA, KANSAS 66219

KANSAS GAS SERVICE (913) 599-8940
MS. LYN LEET
(LLEET@KAS.GAS.COM)
11401 W. 89TH STREET
OVERLAND PARK, KS 66214

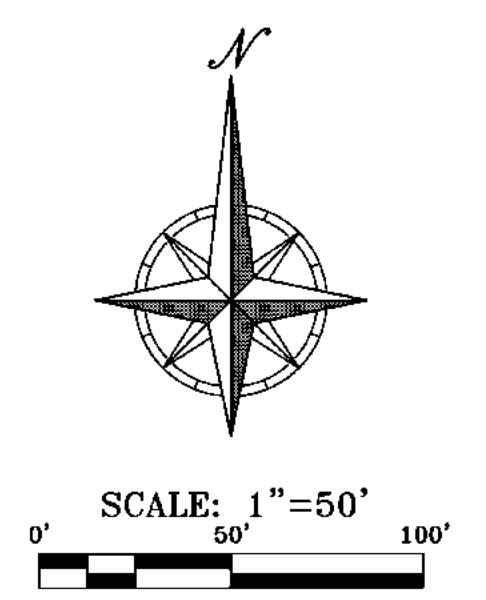
JOHNSON COUNTY WASTEWATER (913) 715-8500
MR. LONNIE PONDER, INSPECTOR/ (913) 207-5232-CELL
MS. JENNIFER HARDER, ENGINEER (913) 715-8501-FAX
(JHARDER@JCW.ORG)
11811 S. SUNSET DRIVE, SUITE 2500
OLATHE, KANSAS 66061

CONSOLIDATED COMMUNICATIONS (913) 322-9656
MARTY HALE (913) 238-1132-CELL
(MARTY.HALE@CONSOLIDATED.COM)

GOOGLE FIBER (870) 219-5630
CRAIG YOUNG
CRAIGYOUNG@GOOGLE.COM

TIME WARNER CABLE (913) 451-5858
MR. STEVE BAXTER (913) 451-7652-FAX
(STEVE.BAXTER@TWCABLE.COM)
P.O. BOX 25567
OVERLAND PARK, KANSAS 66225

- WATER SERVICE NOTES:**
1. All taps to the water main are to be 5' minimum from any pipe joint in the water main or other taps on the water main.
 2. All service lines must be installed of 90 degree angle from the water main to the meter pit or valve.
 3. 3' minimum separation of meter pits and back flow vaults.



UTILITY PLAN - WEST RESIDENTIAL LOTS
MEADOWBROOK PARK
PRAIRIE VILLAGE, KANSAS
FINAL DEVELOPMENT PLANS

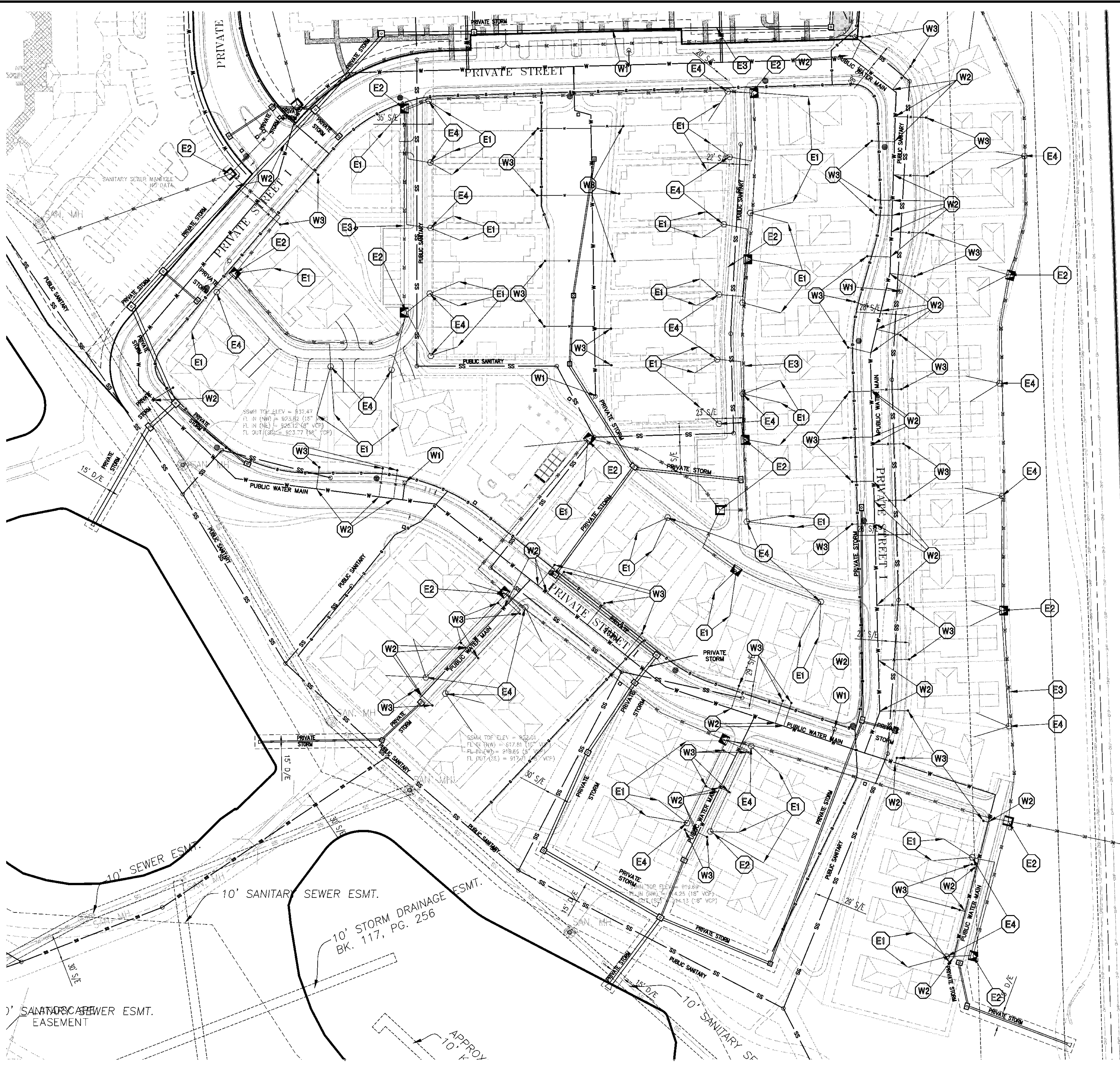
PROJECT NO.	160008	No.	Date
DATE:	03-04-16		
DRAWN:	MFR		
DESIGNED:	DEU		
CHECKED:			
APPROVED:			

C3.2

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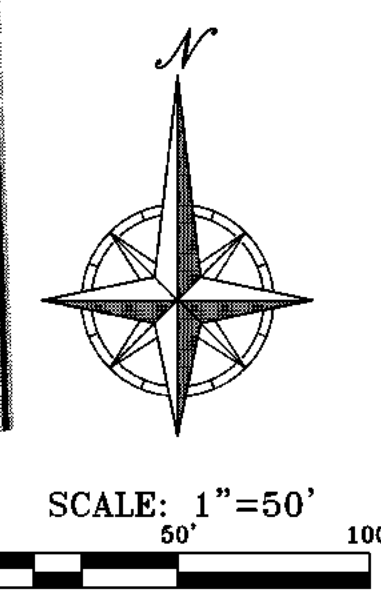
LEGEND

---	EXISTING WATERLINE
---	EXISTING GAS LINE
---	EXISTING BURIED ELECTRICAL
---	EXISTING BURIED TELEPHONE
---	EXISTING TIME WARNER CABLE LINES
---	EXISTING SANITARY SEWER
---	EXISTING STORM SEWER
---	EXISTING PROPERTY LINE
---	PROPOSED ROOF OR FOUNDATION DRAIN LINE
---	PROPOSED WATER LINE
---	PROPOSED FIRE HYDRANT
---	PROPOSED GAS LINE
---	PROPOSED BURIED ELECTRICAL
---	PROPOSED BURIED TELEPHONE
---	PROPOSED TIME WARNER CABLE LINES
---	PROPOSED SANITARY SEWER
---	PROPOSED STORM SEWER
---	PROPOSED STREET LIGHT
---	PROPOSED PROPERTY LINE
---	PROPOSED LOT LINE
---	PROPOSED PLAT LINE
S/E	SANITARY SEWER EASEMENT
D/E	DRAINAGE EASEMENT

NOTE:
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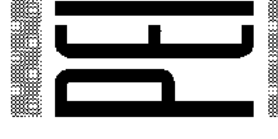
- KEY NOTES:**
- (W1)** PROPOSED FIRE HYDRANT.
 - (W2)** CONTRACTOR TO PERFORM AND COORDINATE 8" X 1" TAP FOR PROPOSED BUILDING DOMESTIC SERVICE. CONTACT WATERONE FOR TAPPING REQUIREMENTS. CONTRACTOR TO PAY ALL FEES FOR WATER MAIN TAP. OWNER WILL REIMBURSE CONTRACTOR FOR METER OR SYSTEM DEVELOPMENT FEES BY WATERONE.
 - (W3)** PROVIDE AND INSTALL 5/8" MULTIPLE METER PIT PER WATERONE REQUIREMENTS. COORDINATE WITH WATERONE FOR MAIN TAP. OWNER SHALL PAY ALL FEES FOR TAP AND METER. ALL LABOR AND MATERIALS SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR'S PLUMBER IN ACCORDANCE WITH WATERONE STANDARDS.
 - (W4)** PROVIDE AND INSTALL PROPOSED FIRE SUPPRESSION LINE
 - (E1)** ELECTRIC ENTRY INTO BUILDING. FOLLOW KCPL REQUIREMENTS (RE: BUILDING ELECTRIC PLAN.)
 - (E2)** PROPOSED LOCATION OF CONCRETE TRANSFORMER PAD. CONTRACTOR TO VERIFY EXACT LOCATION AND SIZE WITH KCPL PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF CONCRETE PAD AND CONDUIT AS REQUIRED BY THE ELECTRIC COMPANY. CONTRACTOR SHALL COORDINATE SAID WORK WITH THE ELECTRIC COMPANY.
 - (E3)** FOLLOW KCPL WORKORDER AND SPECIFICATIONS FOR PRIMARY ELECTRICAL SERVICE.
 - (E4)** PROPOSED LOCATION OF PEDESTAL. CONTRACTOR TO VERIFY EXACT LOCATION AND SIZE WITH KCPL PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF PAD AND CONDUIT AS REQUIRED BY THE ELECTRIC COMPANY. CONTRACTOR SHALL COORDINATE SAID WORK WITH THE ELECTRIC COMPANY.

KANSAS CITY POWER AND LIGHT CO. MR. ERIC DOWEN (ERIC.DOWEN@KCPL.COM) 16215 W. 108TH TER. LENEXA, KANSAS 66219	(913) 894-3082 (913) 894-3086-FAX
WATER DISTRICT #1 OF JOHNSON COUNTY MR. JOSH VINCENT 10747 REMER BLVD. LENEXA, KANSAS 66219	(913) 895-5766 (913) 895-1827-FAX
KANSAS GAS SERVICE MS. LYN LEET (LLEET@KAS.COM) 11401 W. 89TH STREET OVERLAND PARK, KS 66214	(913) 599-8940
JOHNSON COUNTY WASTEWATER MR. LONNIE PONDER, INSPECTOR/ MS. JENNIFER HARDER, ENGINEER (JHARDER@JCW.ORG) 11811 S. SUNSET DRIVE, SUITE 2500 OLATHE, KANSAS 66061	(913) 715-8500 (913) 207-5232-CELL (913) 715-8501-FAX
CONSOLIDATED COMMUNICATIONS MARTY HALE (MARTY.HALE@CONSOLIDATED.COM)	(913) 322-9656 (913) 238-1132-CELL
GOOGLE FIBER CRAIG YOUNG CRAIGYOUNG@GOOGLE.COM	(870) 219-5630
TIME WARNER CABLE MR. STEVE BAXTER (STEVE.BAXTER@TWC.COM) P.O. BOX 25567 OVERLAND PARK, KANSAS 66225	(913) 451-5858 (913) 451-7652-FAX



2. (A) (5000) (d) (Final Development) Plans/Utility Planning Layout/EAST RESIDENTIAL LOTS Mar 30, 2016 - 9:41am Mark Roesener

UTILITY PLAN - EAST RESIDENTIAL LOTS
MEADOWBROOK PARK
PRAIRIE VILLAGE, KANSAS
FINAL DEVELOPMENT PLANS


 PHILIPS ENGINEERING, INC.
 1270 N. Winchester
 Olathe, Kansas 66061
 (913) 393-1955
 FAX (913) 993-1966
 www.phipsengineering.com
 PLANNING
 ENGINEERING
 IMPLEMENTATION

PROJECT NO.	160008	No.	Date
DATE:	03-04-16		
DRAWN:	MRR		
DESIGNED:	DEU		
CHECKED:			
APPROVED:			

C3.3

KANSAS CITY POWER AND LIGHT CO. (913) 894-3082
 MR. ERIC BOWEN (913) 894-3086-FAX
 (ERIC.BOWEN@KCPCL.COM)
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 LENEXA, KANSAS 66219

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LEGEND

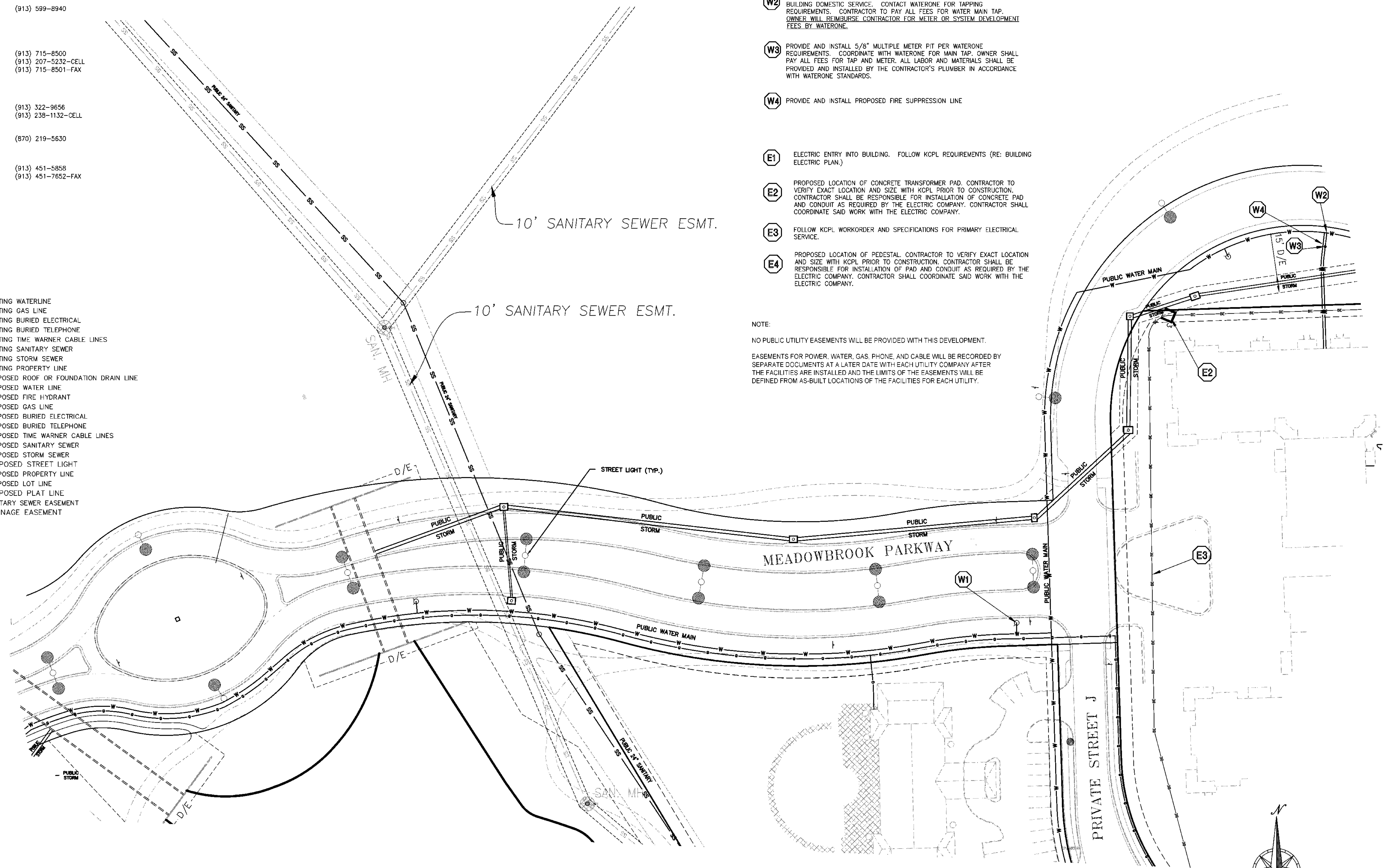
- W- EXISTING WATERLINE
- G- EXISTING GAS LINE
- BE- EXISTING BURIED ELECTRICAL
- BT- EXISTING BURIED TELEPHONE
- TWC- EXISTING TIME WARNER CABLE LINES
- SS- EXISTING SANITARY SEWER
- STM- EXISTING STORM SEWER
- - - EXISTING PROPERTY LINE
- ST- PROPOSED ROOF OR FOUNDATION DRAIN LINE
- W- PROPOSED WATER LINE
- D- PROPOSED FIRE HYDRANT
- G- PROPOSED GAS LINE
- BE- PROPOSED BURIED ELECTRICAL
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- STM- PROPOSED STORM SEWER
- ♦- PROPOSED STREET LIGHT
- - - PROPOSED PROPERTY LINE
- - - PROPOSED LOT LINE
- - - PROPOSED PLAT LINE
- S/E- SANITARY SEWER EASEMENT
- D/E- DRAINAGE EASEMENT

KEY NOTES:

- (D3) INSTALL ADS HDS HYDRODYNAMIC SEPARATOR. SEE STORMWATER PLAN & PROFILE FOR INVERT ELEVATIONS.
- (W1) PROPOSED FIRE HYDRANT.
- (W2) CONTRACTOR TO PERFORM AND COORDINATE 8" X 1" TAP FOR PROPOSED BUILDING DOMESTIC SERVICE. CONTACT WATERONE FOR TAPPING REQUIREMENTS. CONTRACTOR TO PAY ALL FEES FOR WATER MAIN TAP. OWNER WILL REIMBURSE CONTRACTOR FOR METER OR SYSTEM DEVELOPMENT FEES BY WATERONE.
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- (W4) PROVIDE AND INSTALL PROPOSED FIRE SUPPRESSION LINE
- (E1) ELECTRIC ENTRY INTO BUILDING. FOLLOW KCPL REQUIREMENTS (RE: BUILDING ELECTRIC PLAN.)
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NOTE:

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 EASEMENTS FOR POWER, WATER, GAS, PHONE, AND CABLE WILL BE RECORDED BY SEPARATE DOCUMENTS AT A LATER DATE WITH EACH UTILITY COMPANY AFTER THE FACILITIES ARE INSTALLED AND THE LIMITS OF THE EASEMENTS WILL BE DEFINED FROM AS-BUILT LOCATIONS OF THE FACILITIES FOR EACH UTILITY.



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UTILITY PLAN - MEADOWBROOK PARKWAY
MEADOWBROOK PARK
PRAIRIE VILLAGE, KANSAS
FINAL DEVELOPMENT PLANS

PROJECT NO.	150008	No.	Date	By	App.
DATE:	03-04-16				
DRAWN:	MFR				
DESIGNED:	DEU				
CHECKED:					
APPROVED:					

C3.4

10
BLOCK 5
1ST RIDING
ND PLAT

11

12

13

14

15

16

17

19

SAN. MH

5' B.L.
(ZONING)

25' B.L.

5' R/W

TELEPHONE
FAULT

BOE AVENUE

91ST STREET

LEGEND

- W — EXISTING WATERLINE
- G — EXISTING GAS LINE
- BE — EXISTING BURIED ELECTRICAL
- BT — EXISTING BURIED TELEPHONE
- TWC — EXISTING TIME WARNER CABLE LINES
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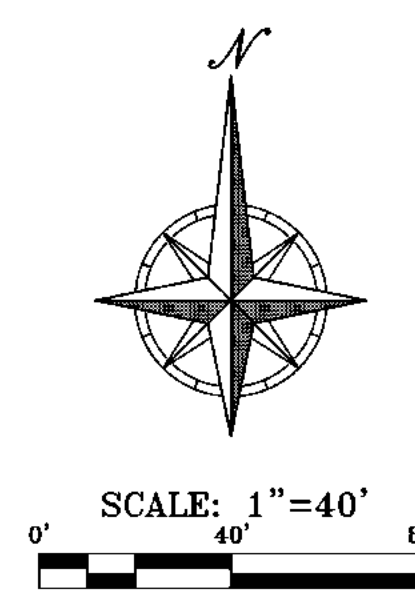
100' KCP&L ESMT.
CONDEMNATION NO. 22314

5' R/W

50' 50'

40' B.L.

KENILWORTH
BLOCK 21



Z:\P\160008.dwg (Final Development Plans) Utility Pipe.dwg Layout:BOE CONDEMNATION Mar 30, 2016 9:41am Mark Reardon

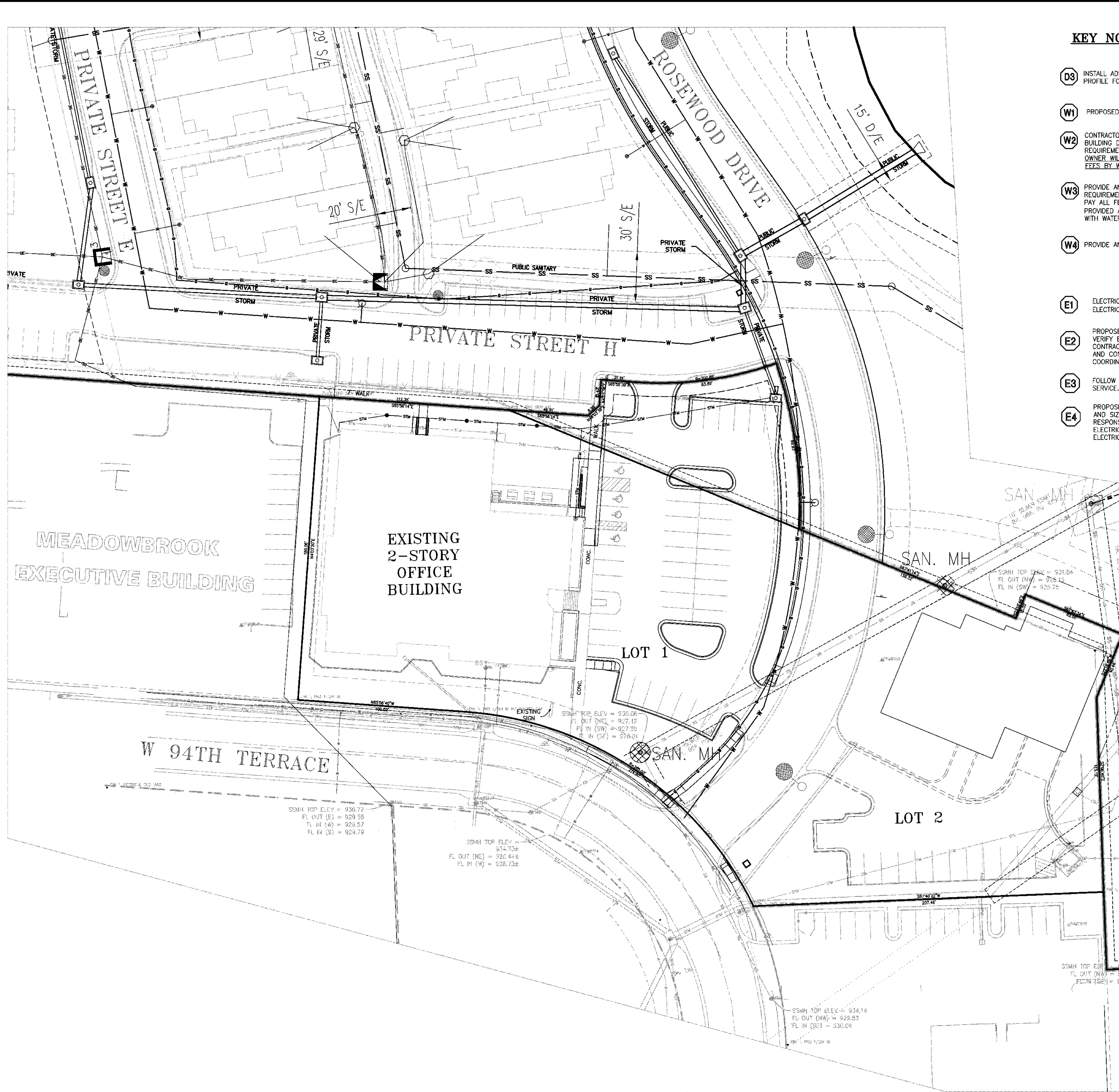
PHELPS ENGINEERING, INC.
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Olathe, Kansas 66061
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www.phelpsengineering.com



UTILITY PLAN - MEADOWBROOK PARKWAY
MEADOWBROOK PARK
PRAIRIE VILLAGE, KANSAS
FINAL DEVELOPMENT PLANS

PROJECT NO.	160008	No.	Date
DATE:	03-04-16		
DRAWN:	MFR		
DESIGNED:	DEU		
CHECKED:			
APPROVED:			

C3.5



KEY NOTES:

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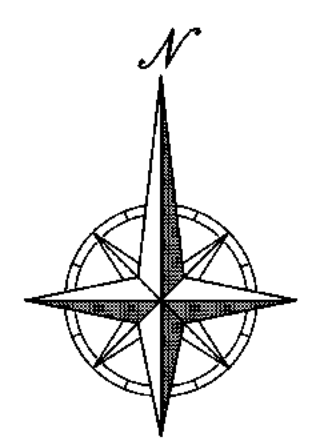
LEGEND

—W—	EXISTING WATERLINE
—G—	EXISTING GAS LINE
—BE—	EXISTING BURIED ELECTRICAL
—BT—	EXISTING BURIED TELEPHONE
—TWC—	EXISTING TIME WARNER CABLE LINES
—SS—	EXISTING SANITARY SEWER
—STM—	EXISTING STORM SEWER
—	EXISTING PROPERTY LINE
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—	PROPOSED STREET LIGHT
—	PROPOSED PROPERTY LINE
—	PROPOSED LOT LINE
—	PROPOSED PLAT LINE
—S/E—	SANITARY SEWER EASEMENT
—D/E—	DRAINAGE EASEMENT

NOTE

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- | | |
|---|---|
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SCALE: 1"=30'
 0' 30' 60'

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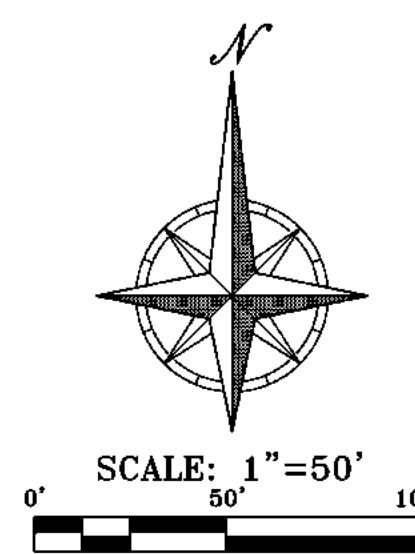
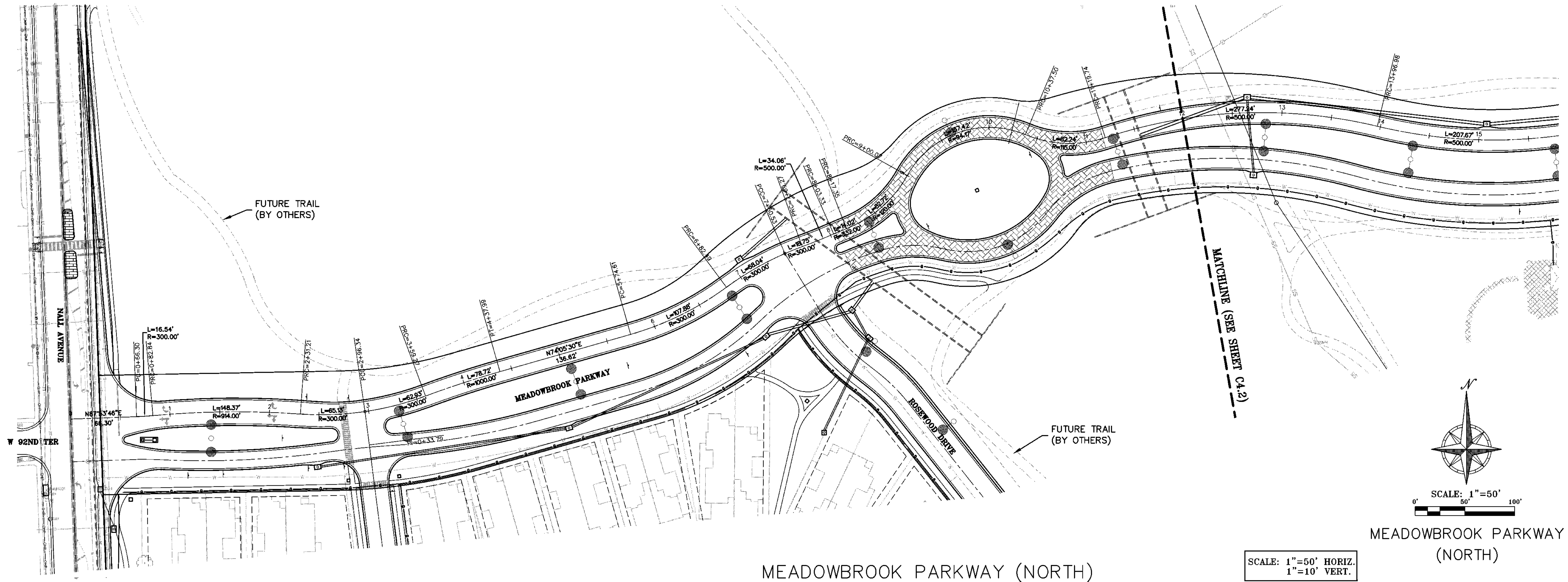
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 ENGINEERING
 IMPLEMENTATION



**UTILITY PLAN - LEDOM
 MEADOWBROOK PARK
 PRAIRIE VILLAGE, KANSAS
 FINAL DEVELOPMENT PLANS**

PROJECT NO.	DATE	BY	APP.	REVISIONS
160008	03-04-16	MRR	DEU	

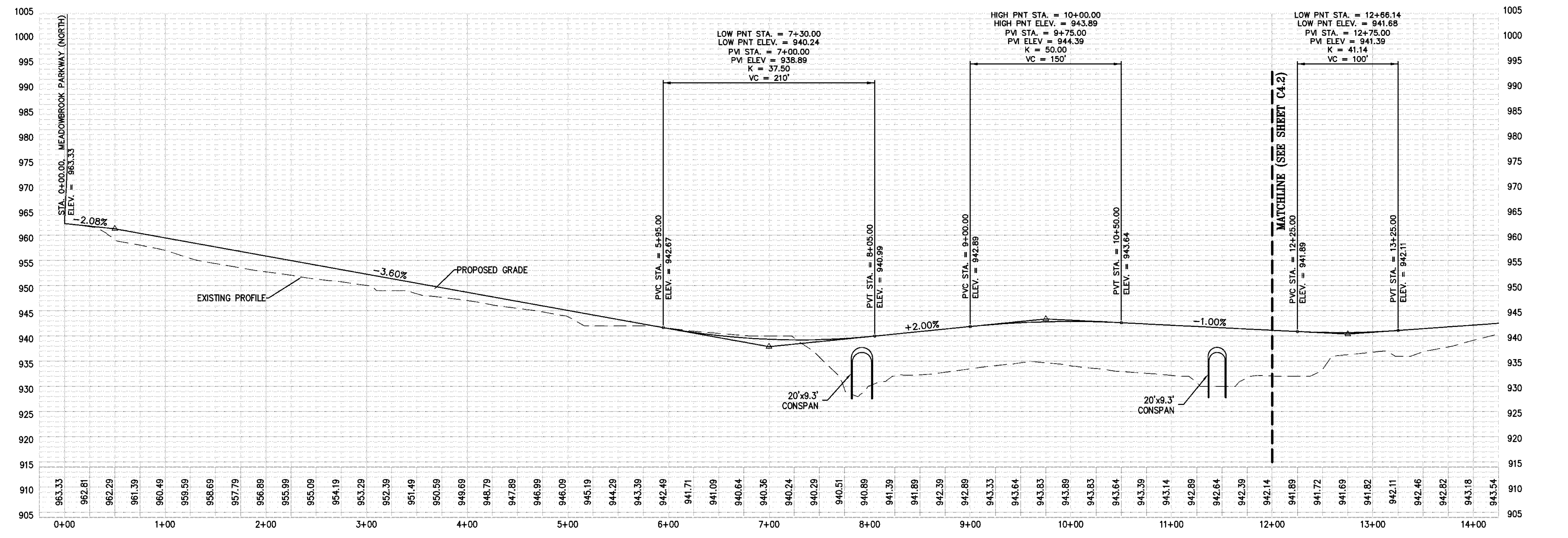
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MEADOWBROOK PARKWAY (NORTH)

SCALE: 1" = 50' HORIZ.
1" = 10' VERT.

MEADOWBROOK PARKWAY (NORTH)



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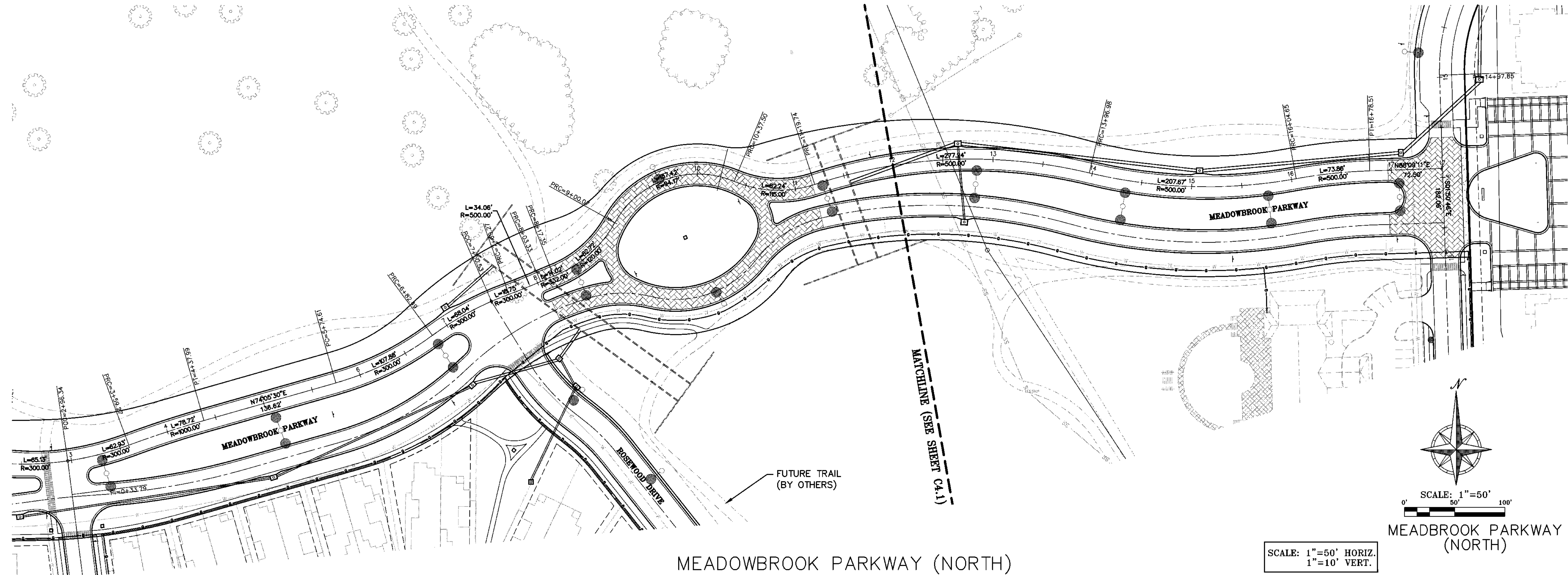
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STREET PLAN & PROFILE
MEADOWBROOK PARK
PRAIRIE VILLAGE, KANSAS
FINAL DEVELOPMENT PLANS

PROJECT NO.	DATE	NO.	DATE	REVISIONS:
150008	03-04-16			
DATE:	03-04-16			
DRAWN:	MRR			
DESIGNED:	DEU			
CHECKED:				
APPROVED:				

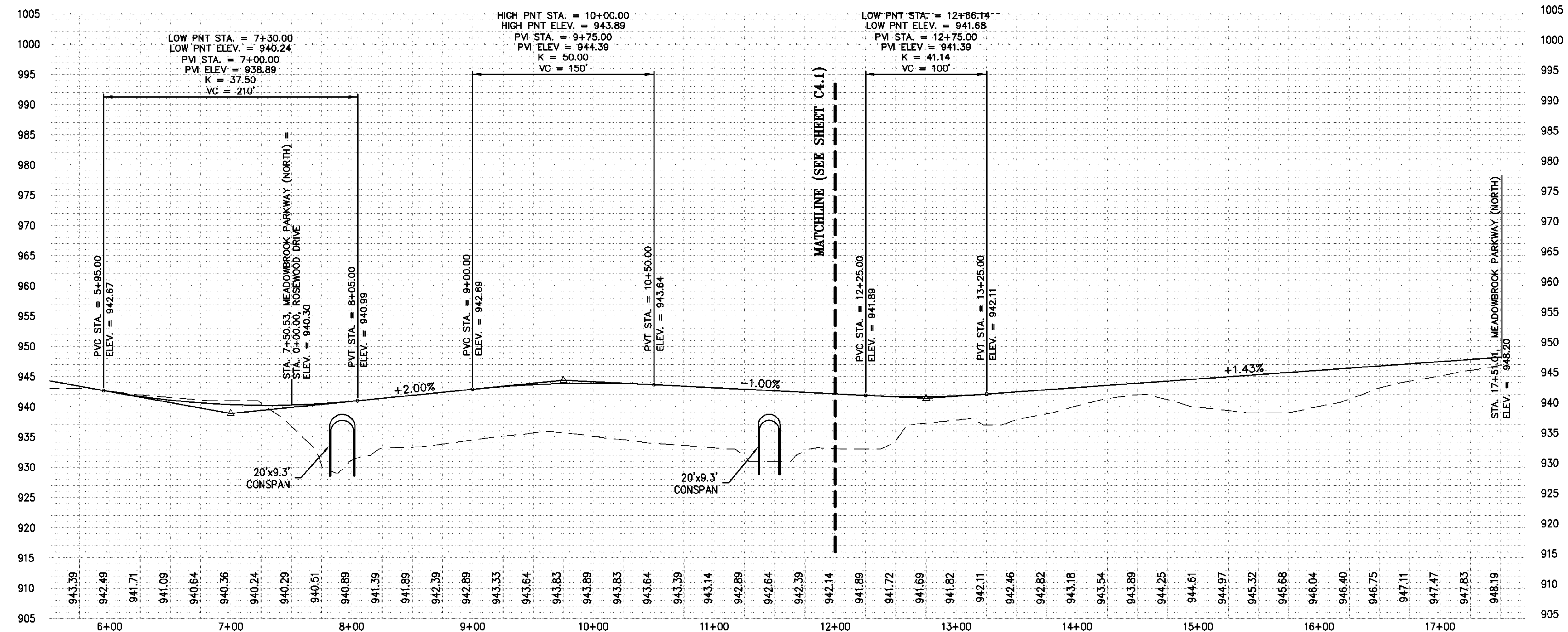
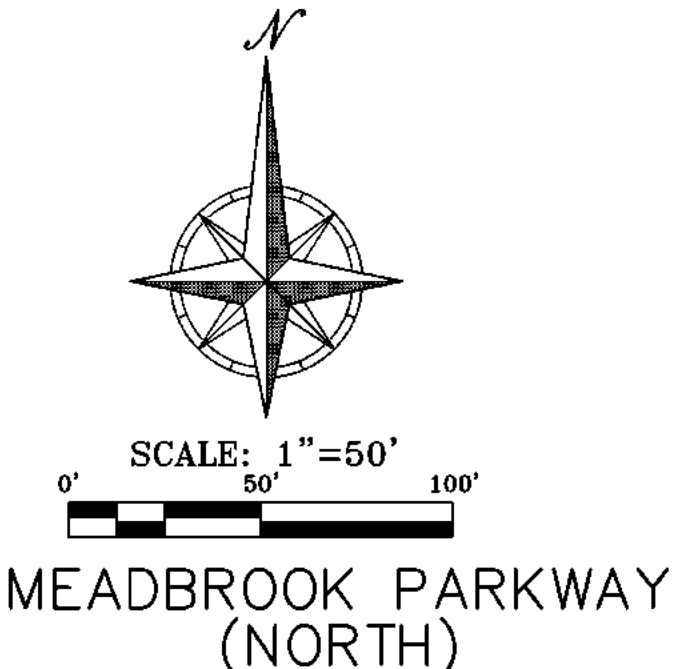
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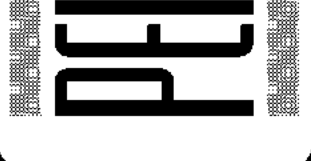
MEADOWBROOK PARKWAY (NORTH)

SCALE: 1"=50' HORIZ.
1"=10' VERT.



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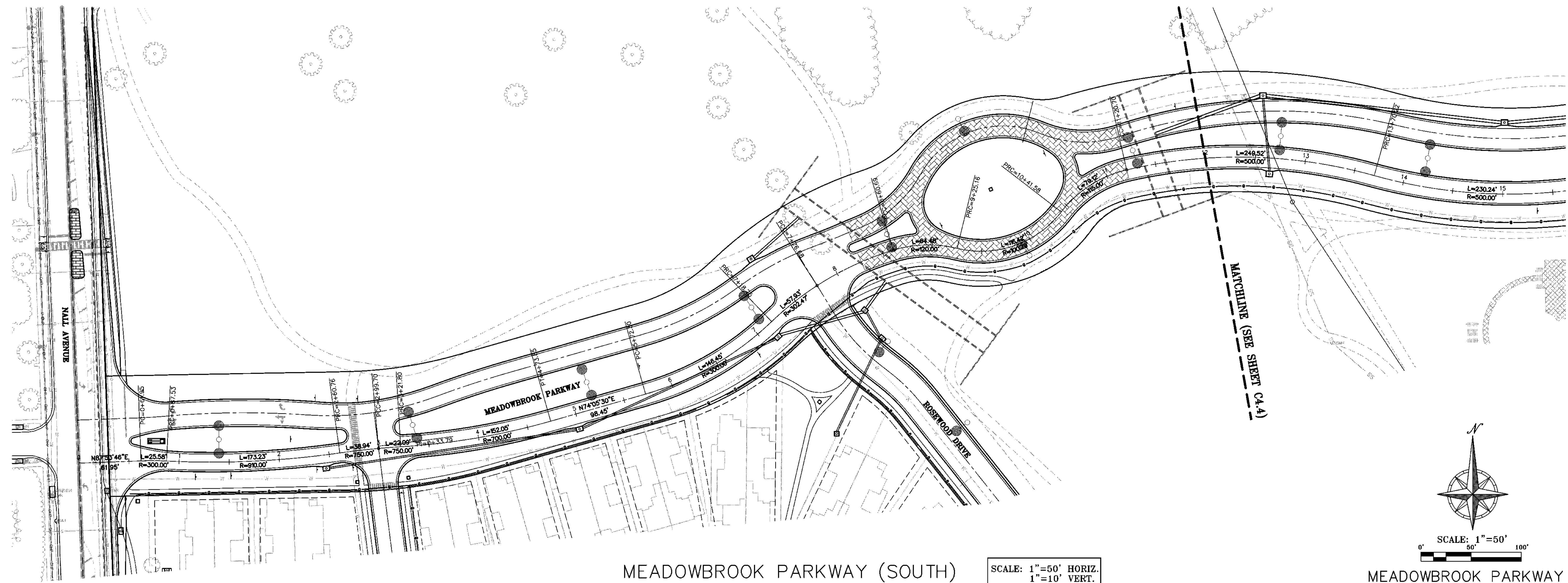
PHILIPS ENGINEERING, INC.
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STREET PLAN & PROFILE
MEADOWBROOK PARK
PRAIRIE VILLAGE, KANSAS
FINAL DEVELOPMENT PLANS

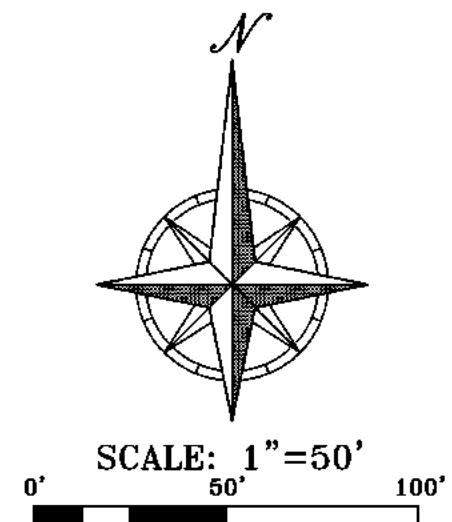
PROJECT NO.	160008	No.	Date	By	App.
DATE:	03-04-16				
DRAWN:	MRR				
DESIGNED:	DEU				
CHECKED:					
APPROVED:					

C4.2

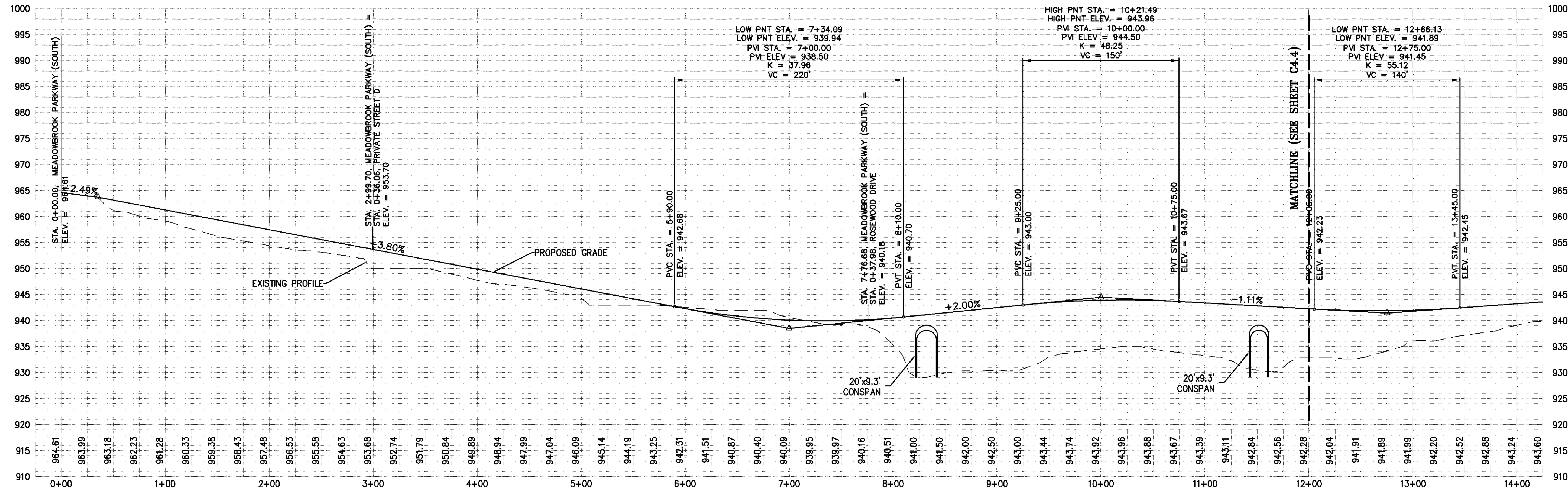


MEADOWBROOK PARKWAY (SOUTH)

SCALE: 1"=50' HORIZ.
1"=10' VERT.



MEADOWBROOK PARKWAY (SOUTH)



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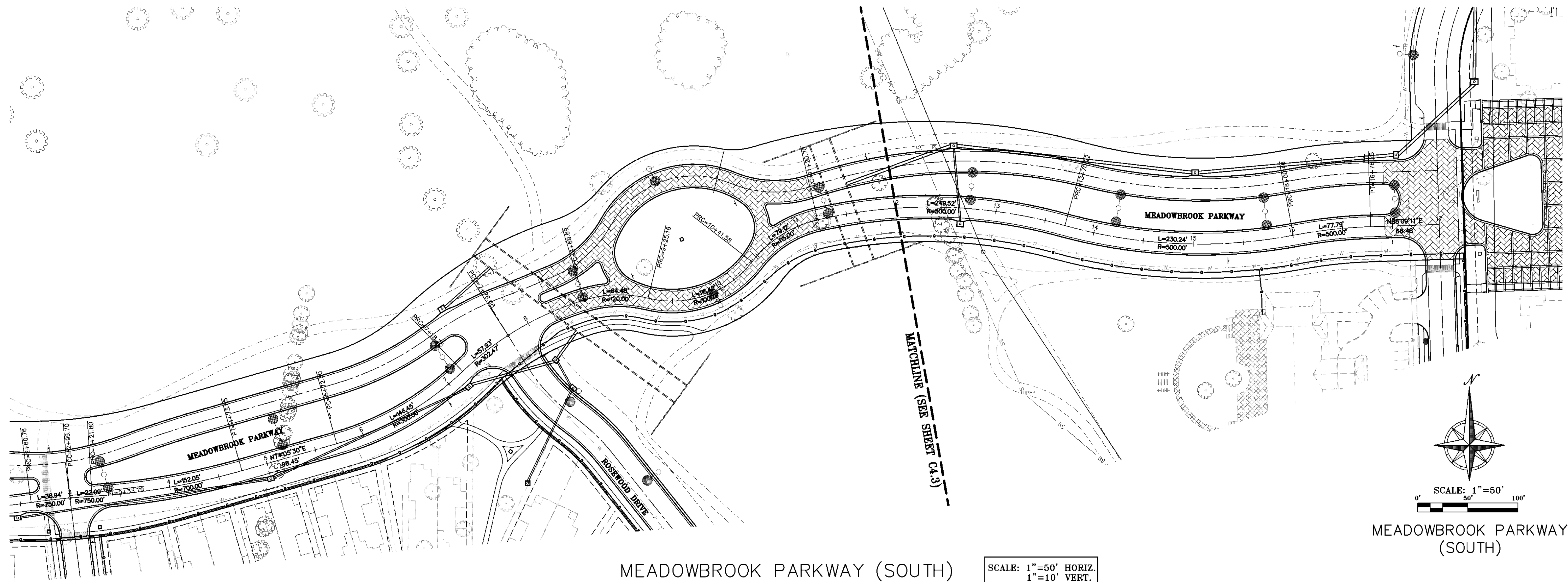
Project No.	160008	No.	Date	By	App.
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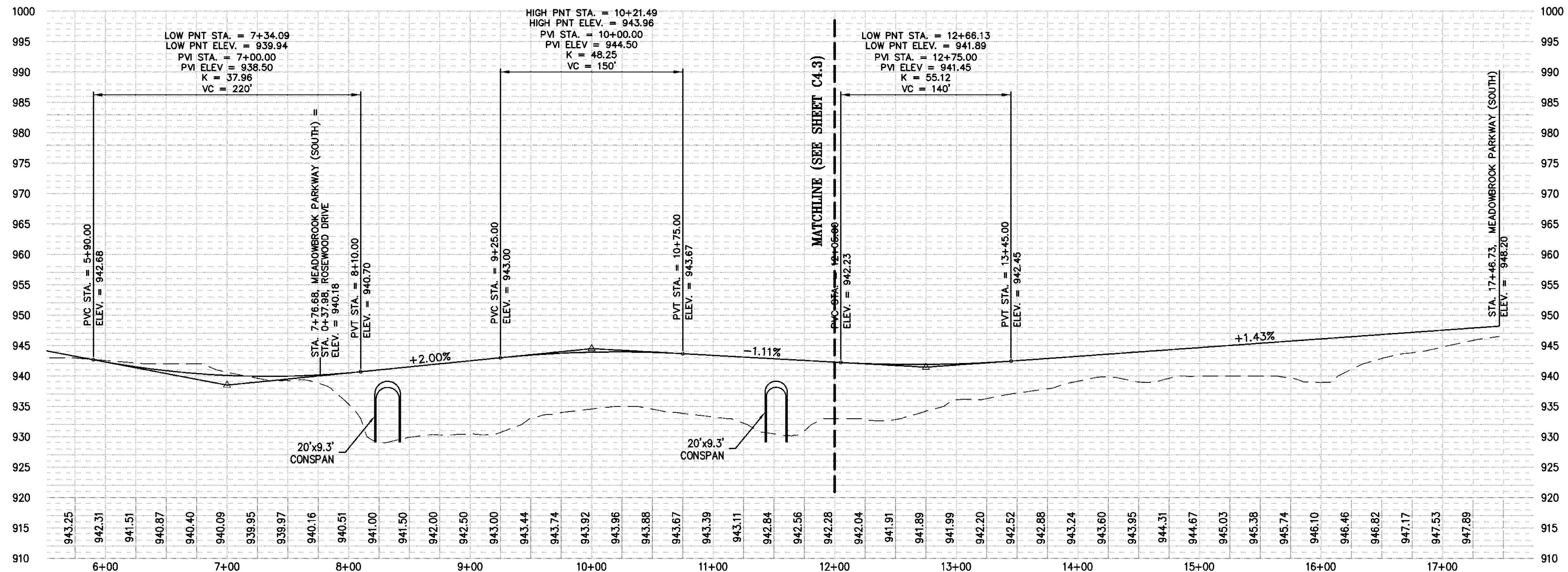
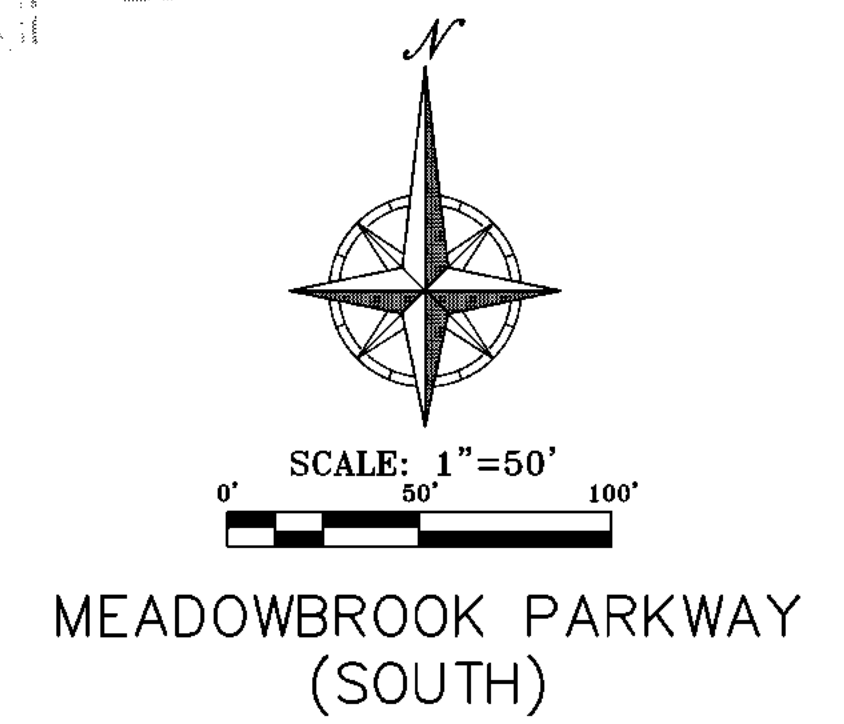
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ENGINEERING
IMPLEMENTATION**

STREET PLAN & PROFILE MEADOWBROOK PARK PRAIRIE VILLAGE, KANSAS FINAL DEVELOPMENT PLANS



MEADOWBROOK PARKWAY (SOUTH)

SCALE: 1"=50' HORIZ.
1"=10' VERT.



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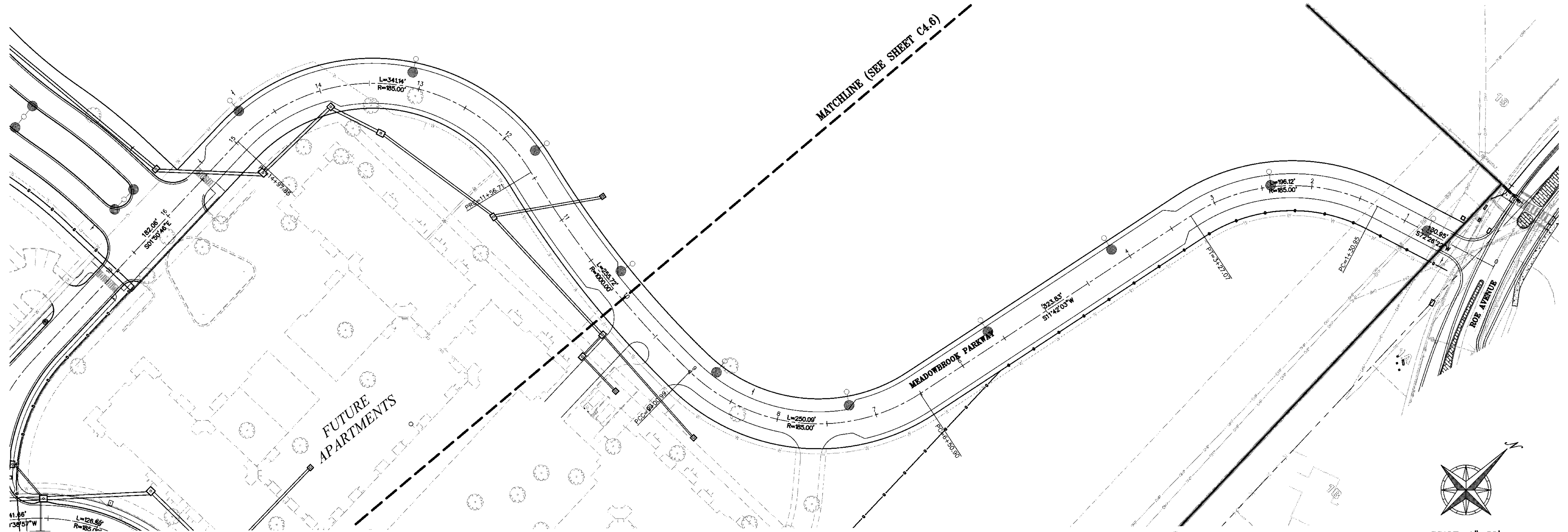
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IMPLEMENTATION**

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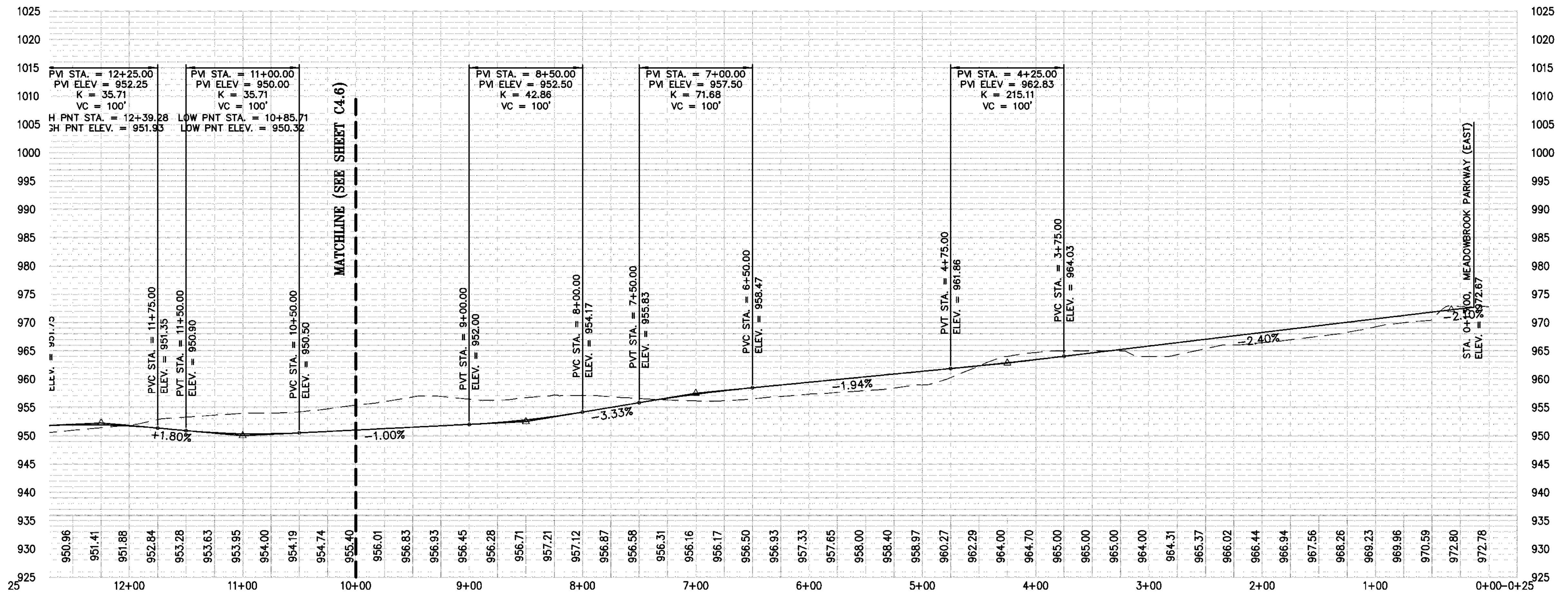
STREET PLAN & PROFILE
MEADOWBROOK PARK
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FINAL DEVELOPMENT PLANS

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DATE:	03-04-16				
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APPROVED:					

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Fax (913) 931-1166
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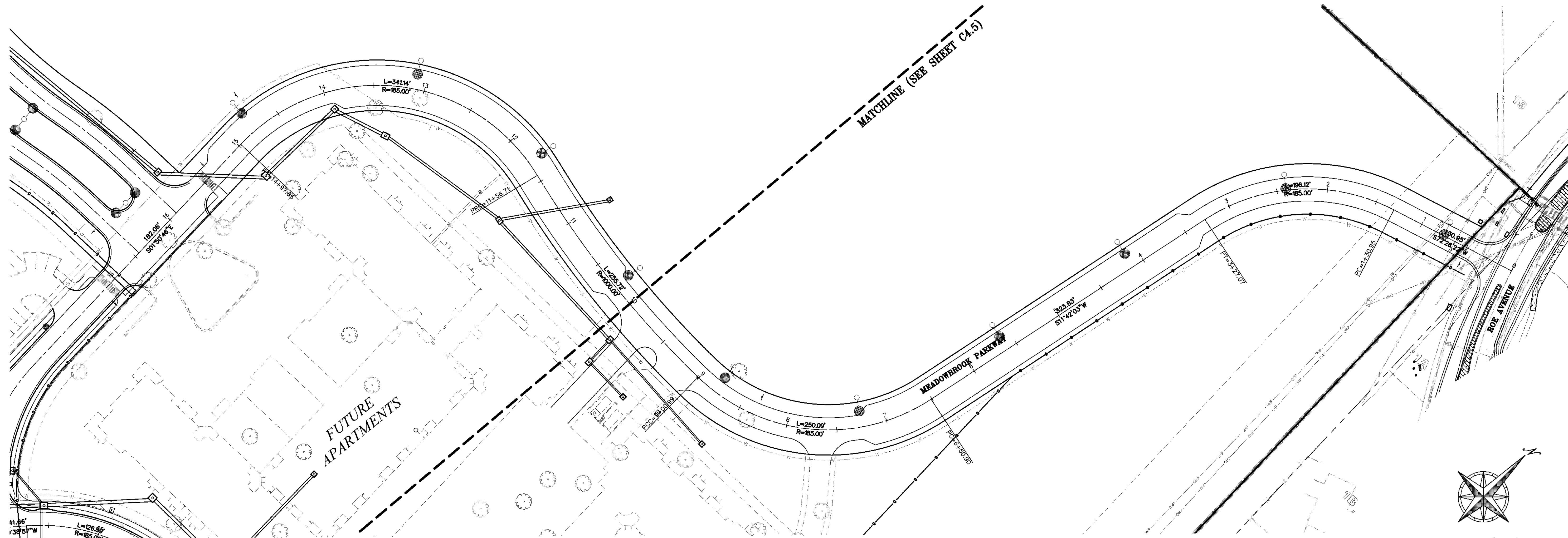
**PLANNING
ENGINEERING
IMPLEMENTATION**

STREET PLAN & PROFILE
MEADOWBROOK PARK
PRAIRIE VILLAGE, KANSAS
FINAL DEVELOPMENT PLANS

PROJECT NO.	DATE	BY	DATE	REVISIONS
150008	03-04-16	MRR		
		DESIGNED: DEU		
		CHECKED:		
		APPROVED:		

C4.5

Z:\15\150008.dwg (Final Development Plans)\Street Profile.dwg Layout-C-1 Mar 30, 2016 - 9:45am Mark Reasoner

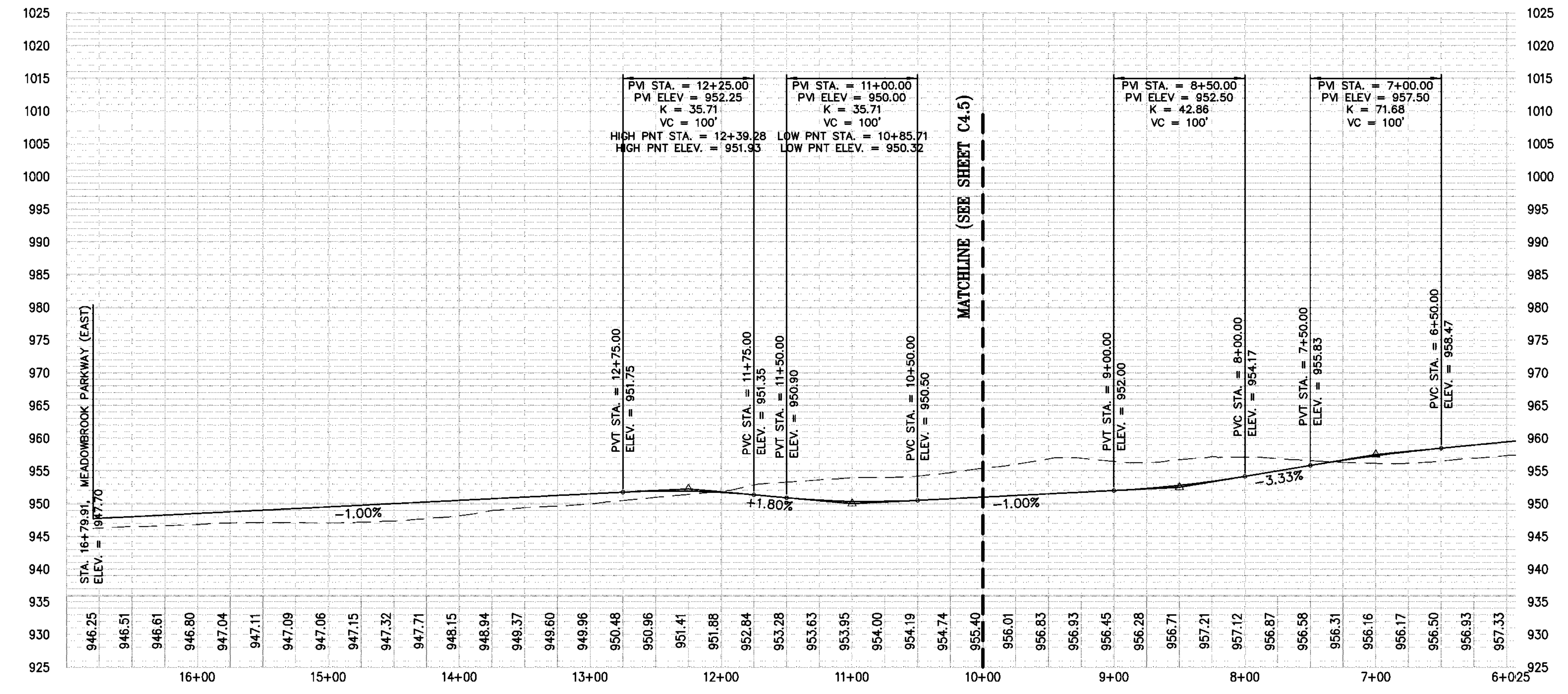


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1"=10' VERT.

SCALE: 1"=50'
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MEADOWBROOK
PARKWAY EAST

MEADOWBROOK PARKWAY (EAST)



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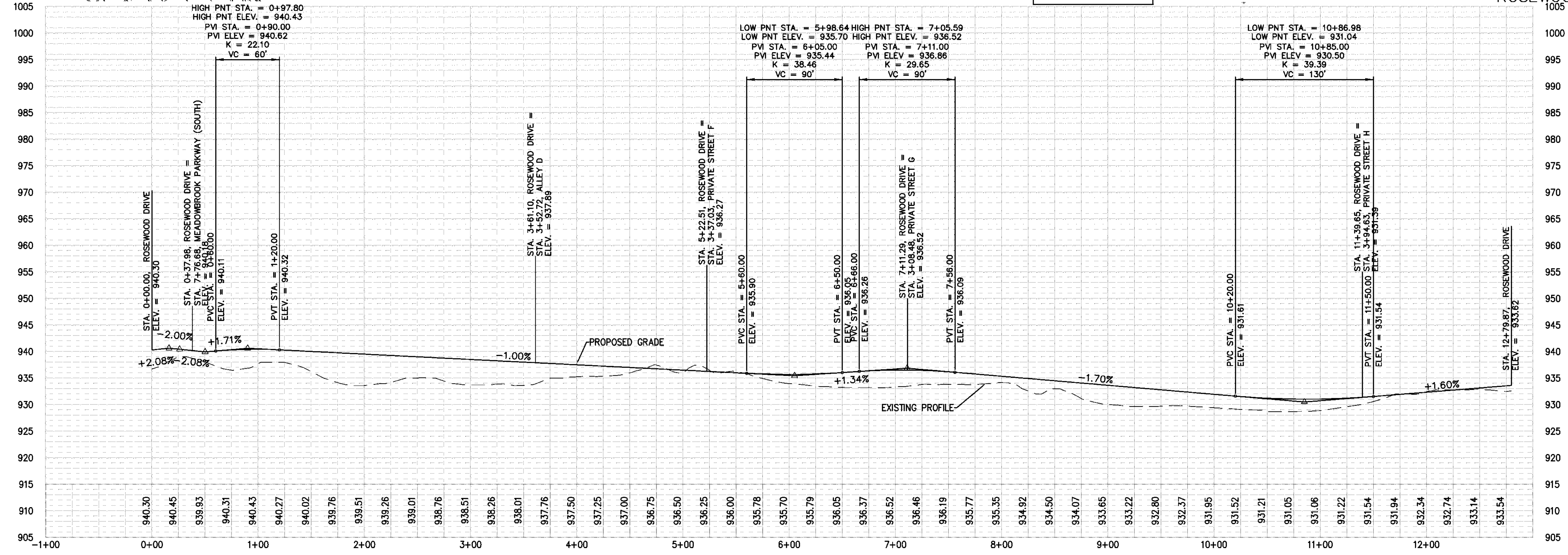
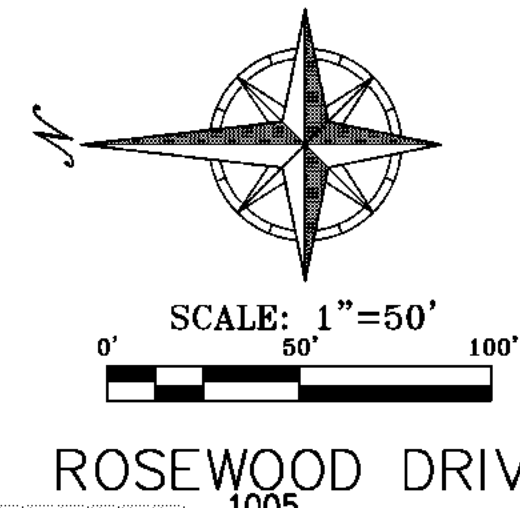
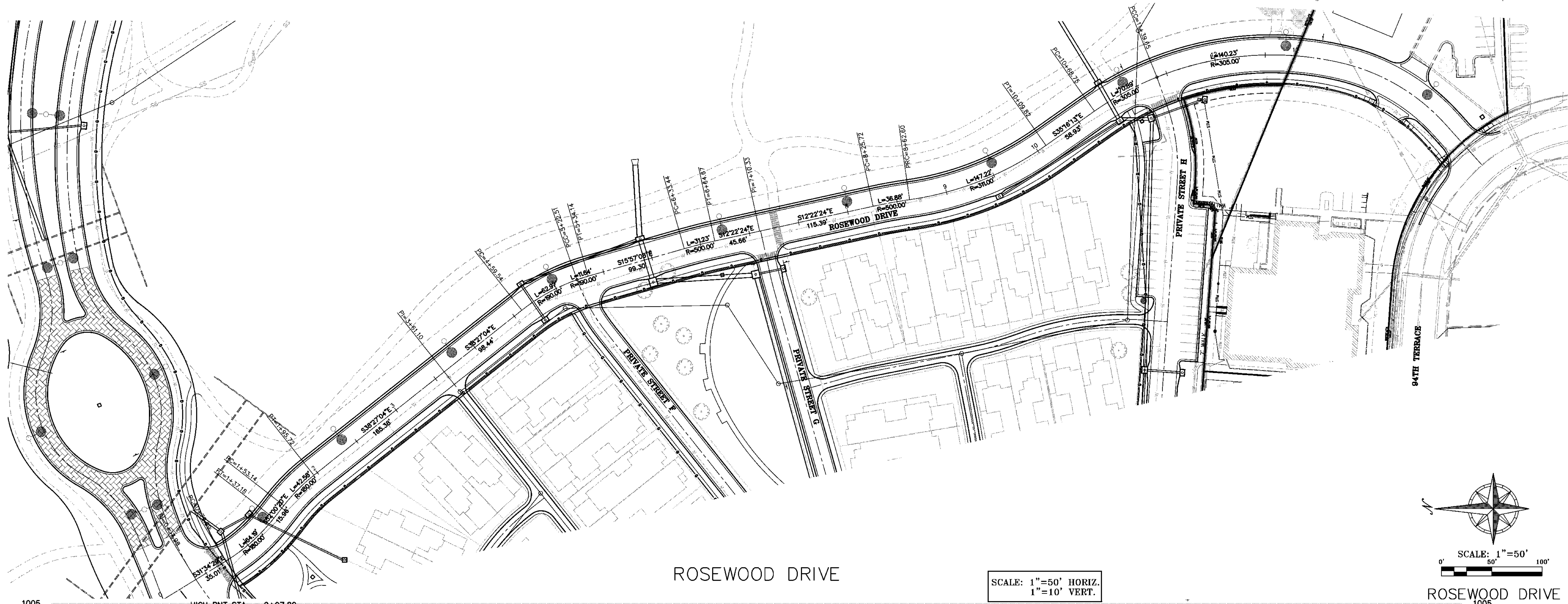
PLANNING
ENGINEERING
IMPLEMENTATION

STREET PLAN & PROFILE
MEADOWBROOK PARK
PRAIRIE VILLAGE, KANSAS
FINAL DEVELOPMENT PLANS

PROJECT NO.	160008	No.	Date	By	App.
DATE:	03-04-16				
DRAWN:	MRR				
DESIGNED:	DEU				
CHECKED:					
APPROVED:					

C4.6

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PEI

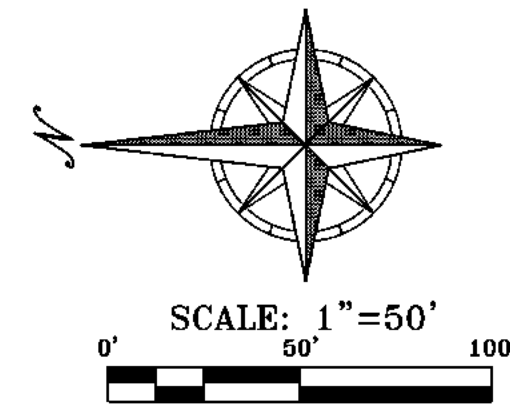
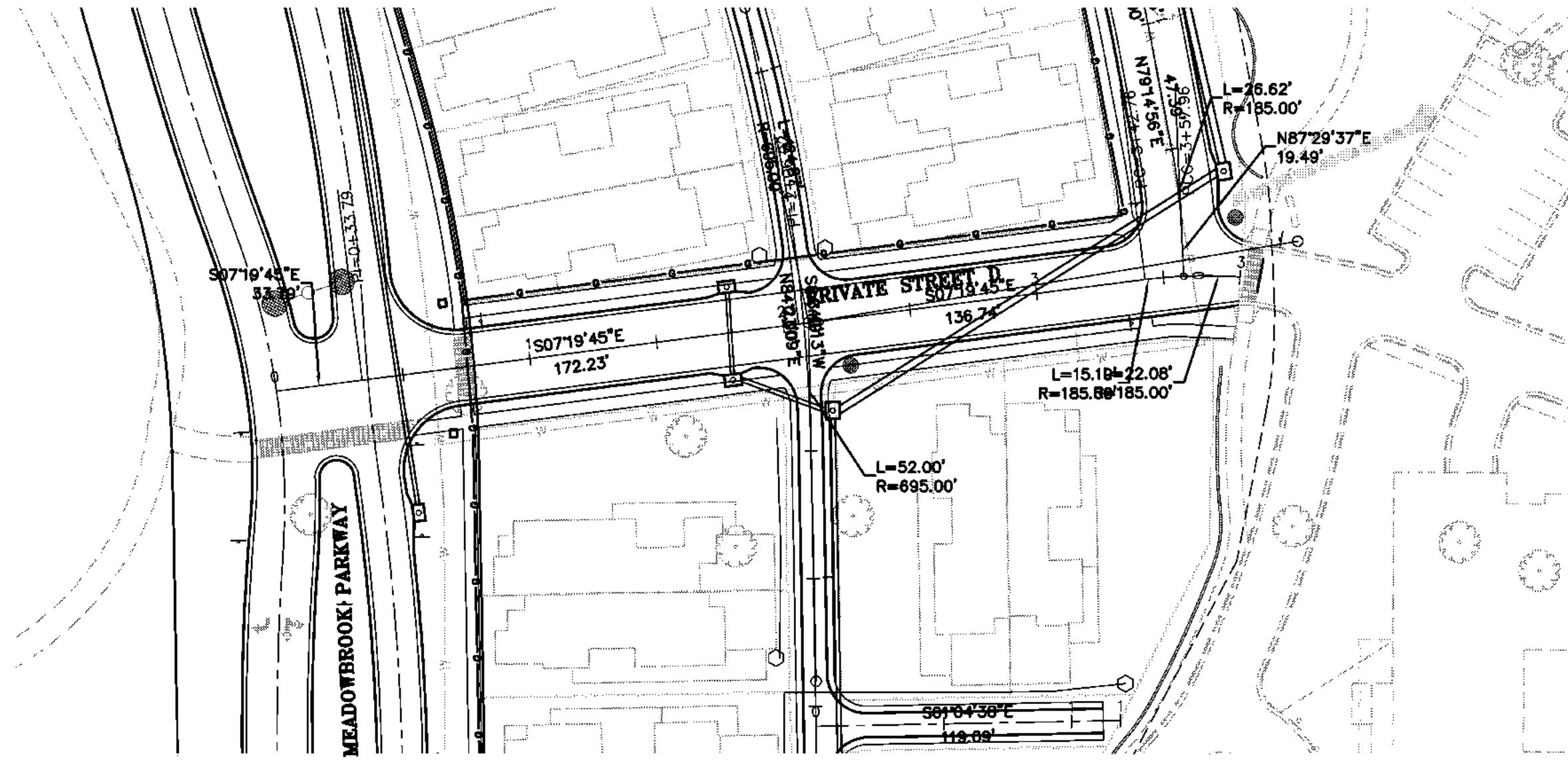
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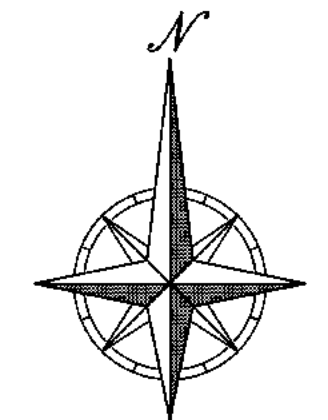
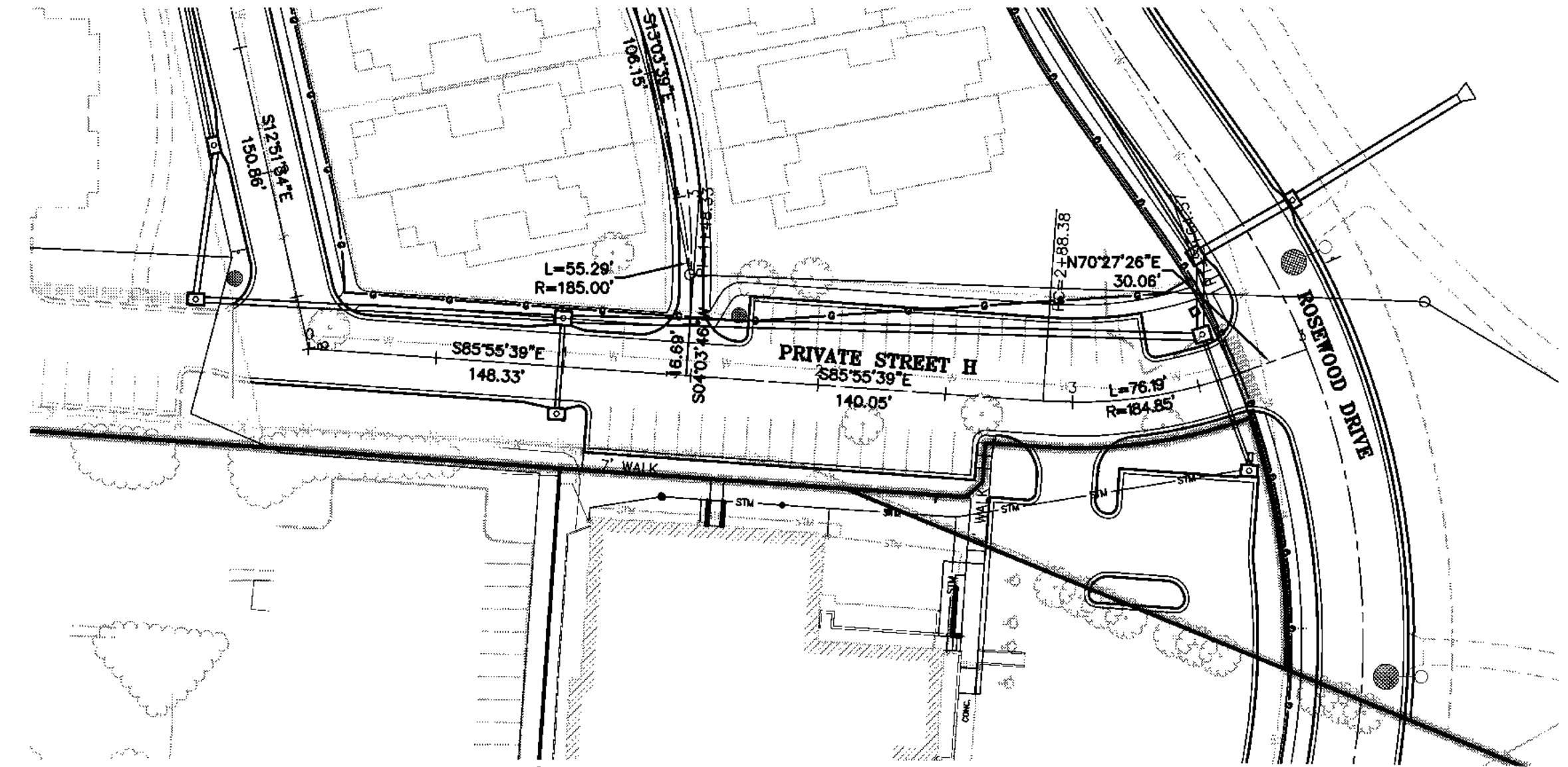
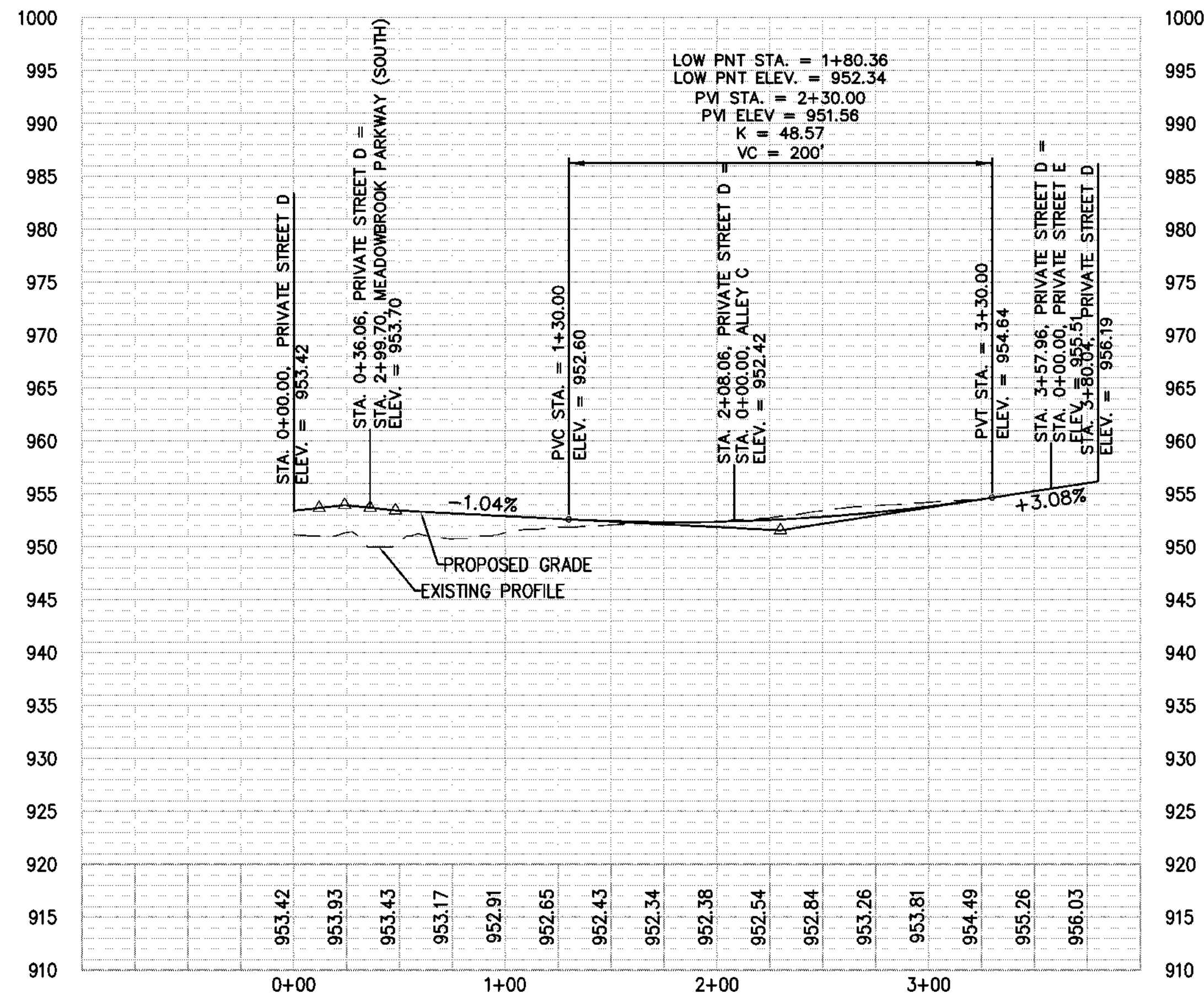
PROJECT NO.	160008	No.	Date	By	App.
DATE:	03-04-16				
DRAWN:	MRR				
DESIGNED:	DEU				
CHECKED:					
APPROVED:					

C4.7



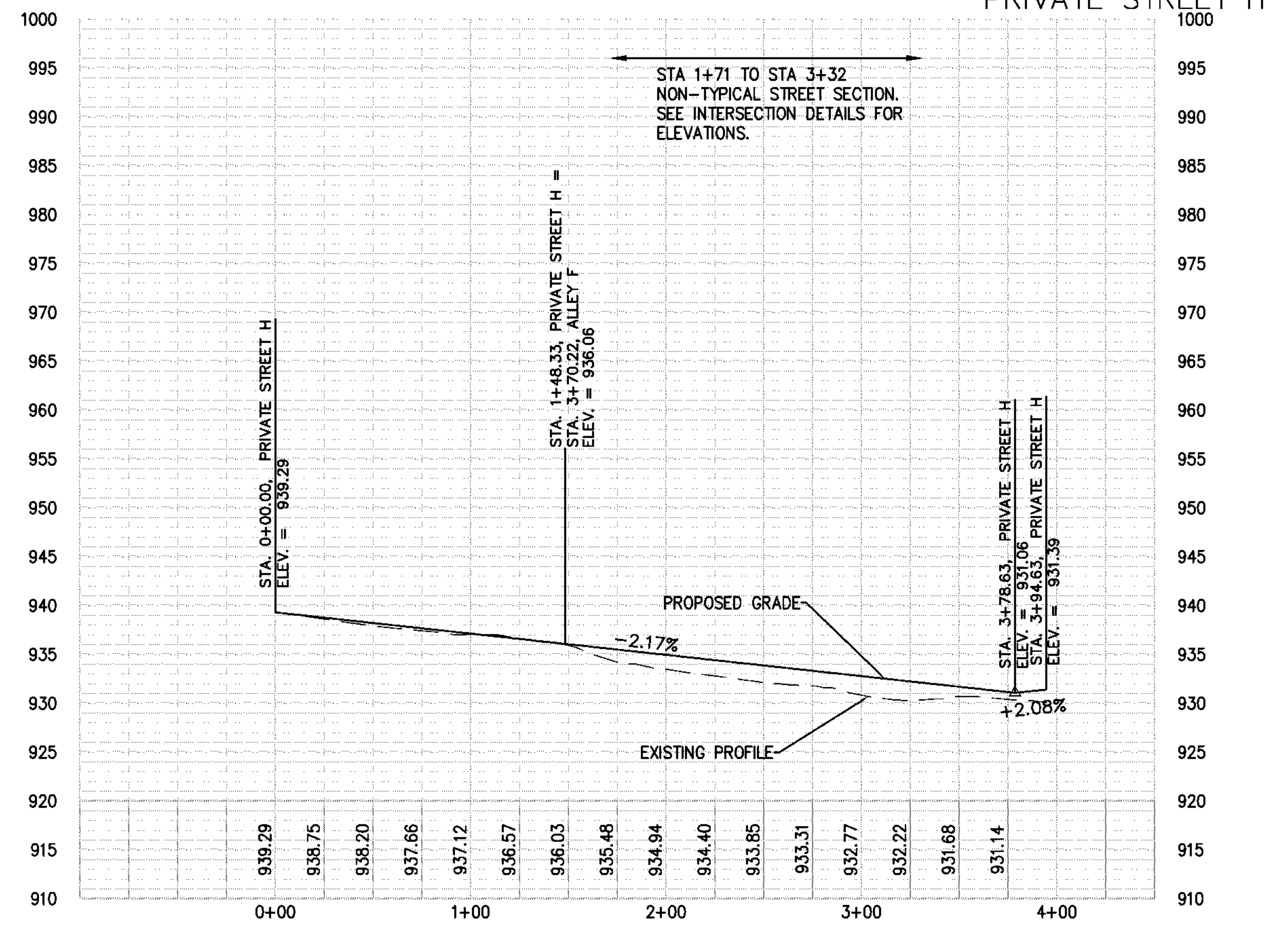
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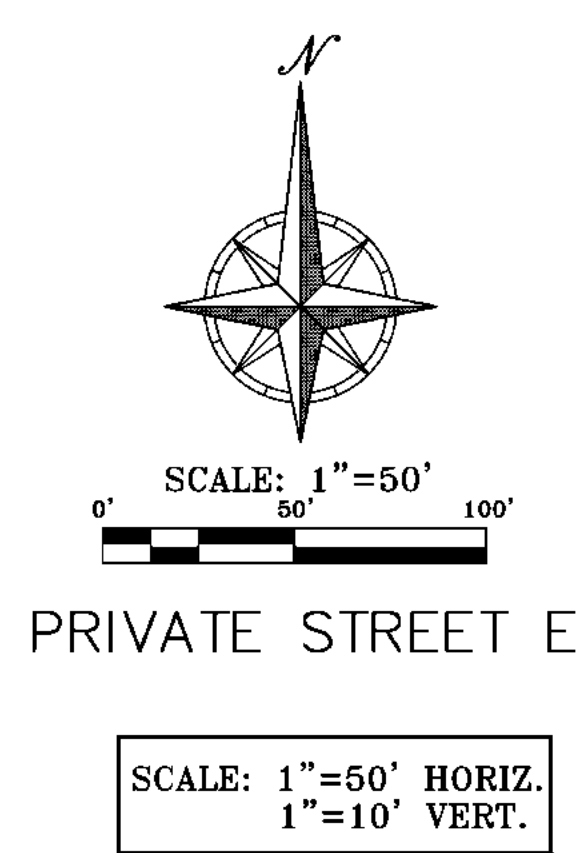
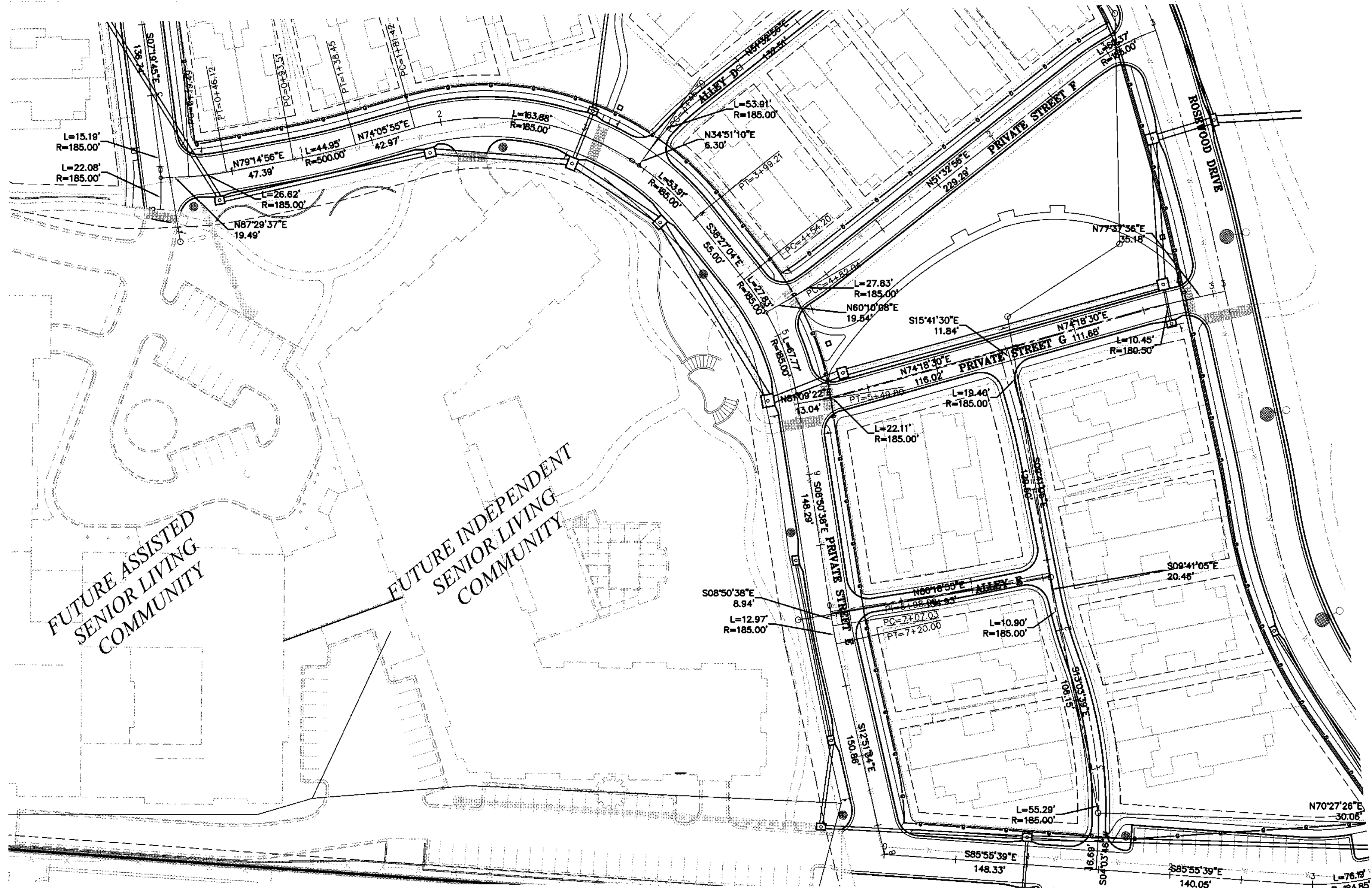


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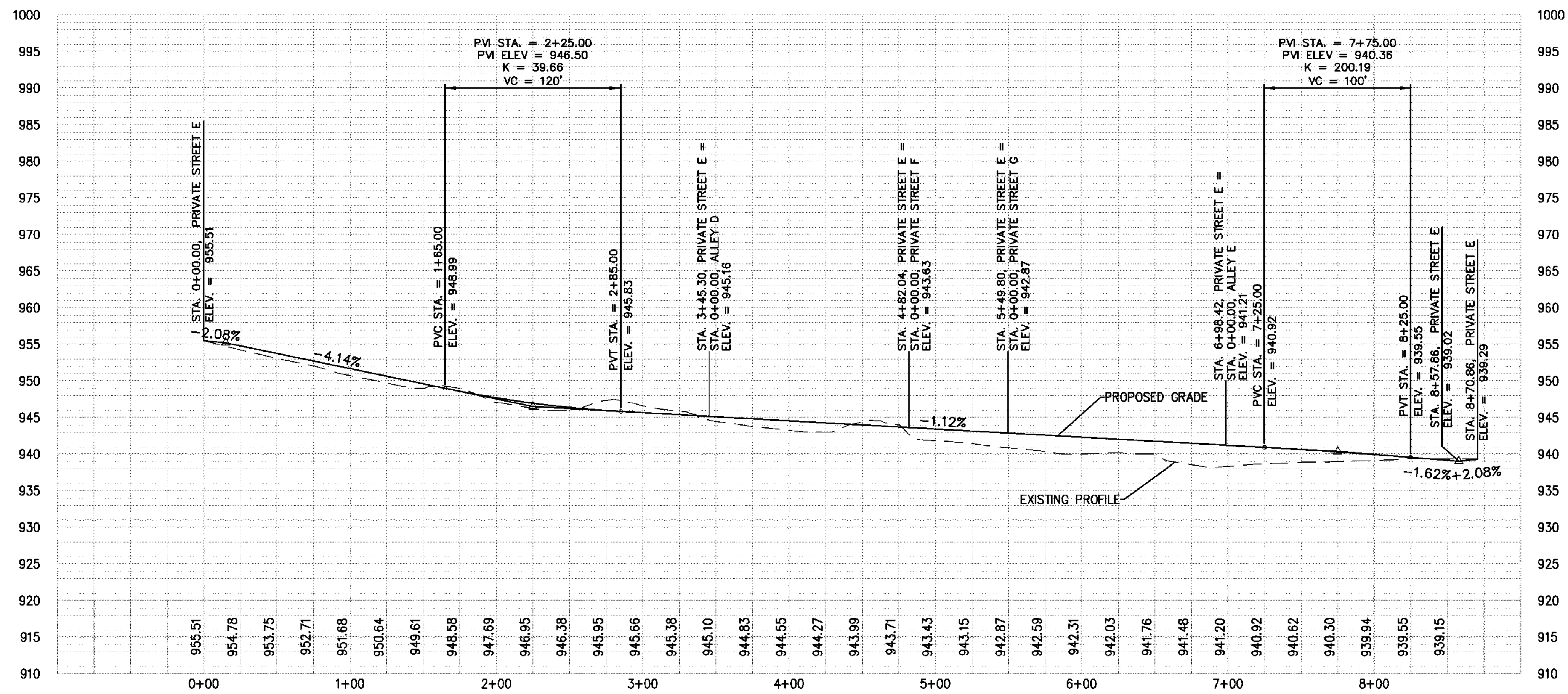
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PROJECT NO.	160008	No.	Date	By	App.
DATE:	03-04-16				
DRAWN:	MRR				
DESIGNED:	DEU				
CHECKED:					
APPROVED:					

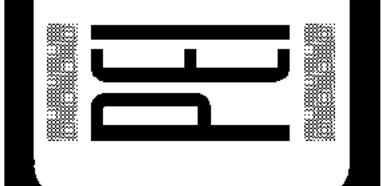


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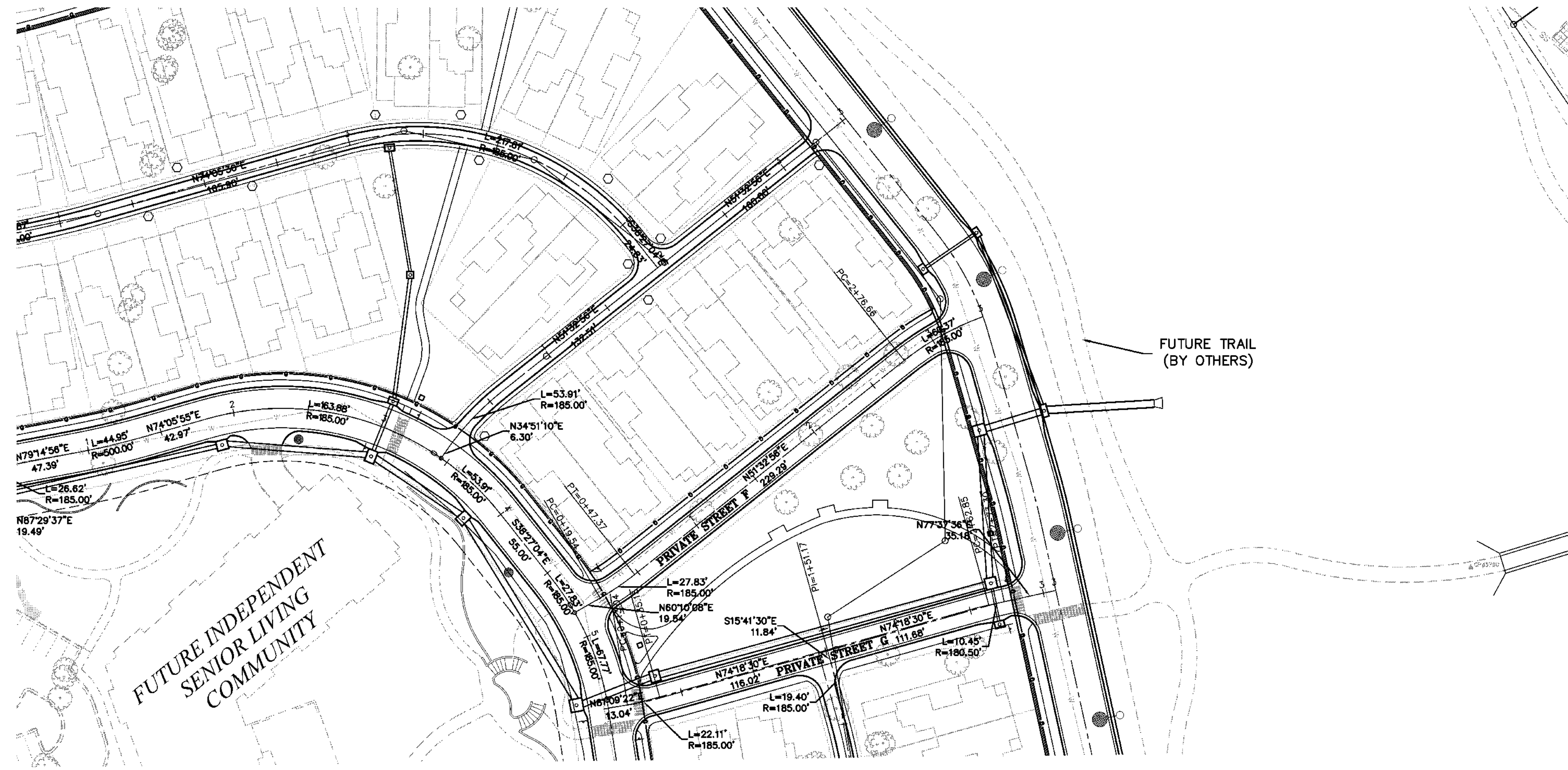
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STREET PLAN & PROFILE
MEADOWBROOK PARK
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 FINAL DEVELOPMENT PLANS

PROJECT NO.	150008	No.	Date	By	App.
DATE:	03-04-16				
DRAWN:	MFR				
DESIGNED:	DEU				
CHECKED:					
APPROVED:					

C4.9



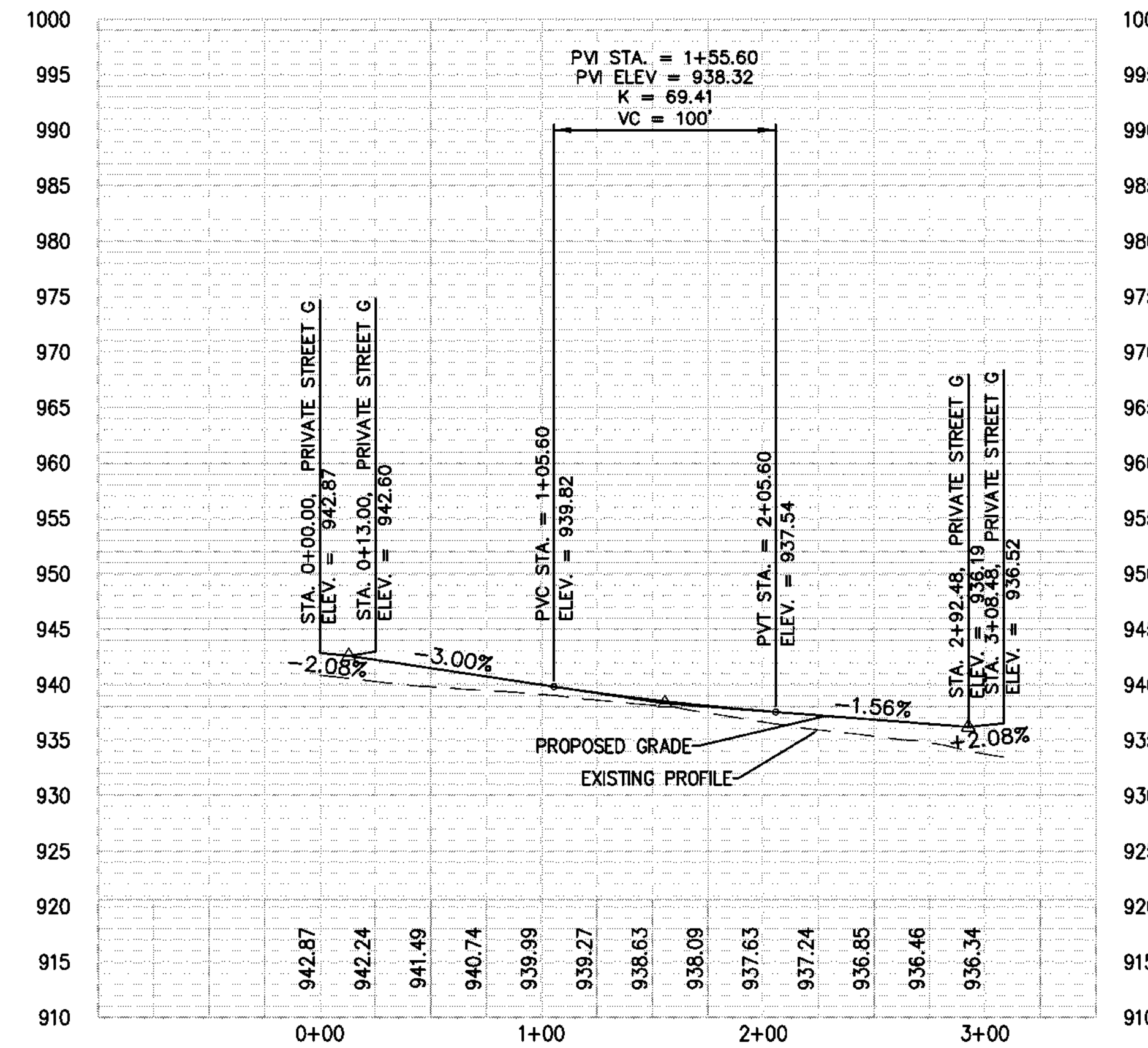
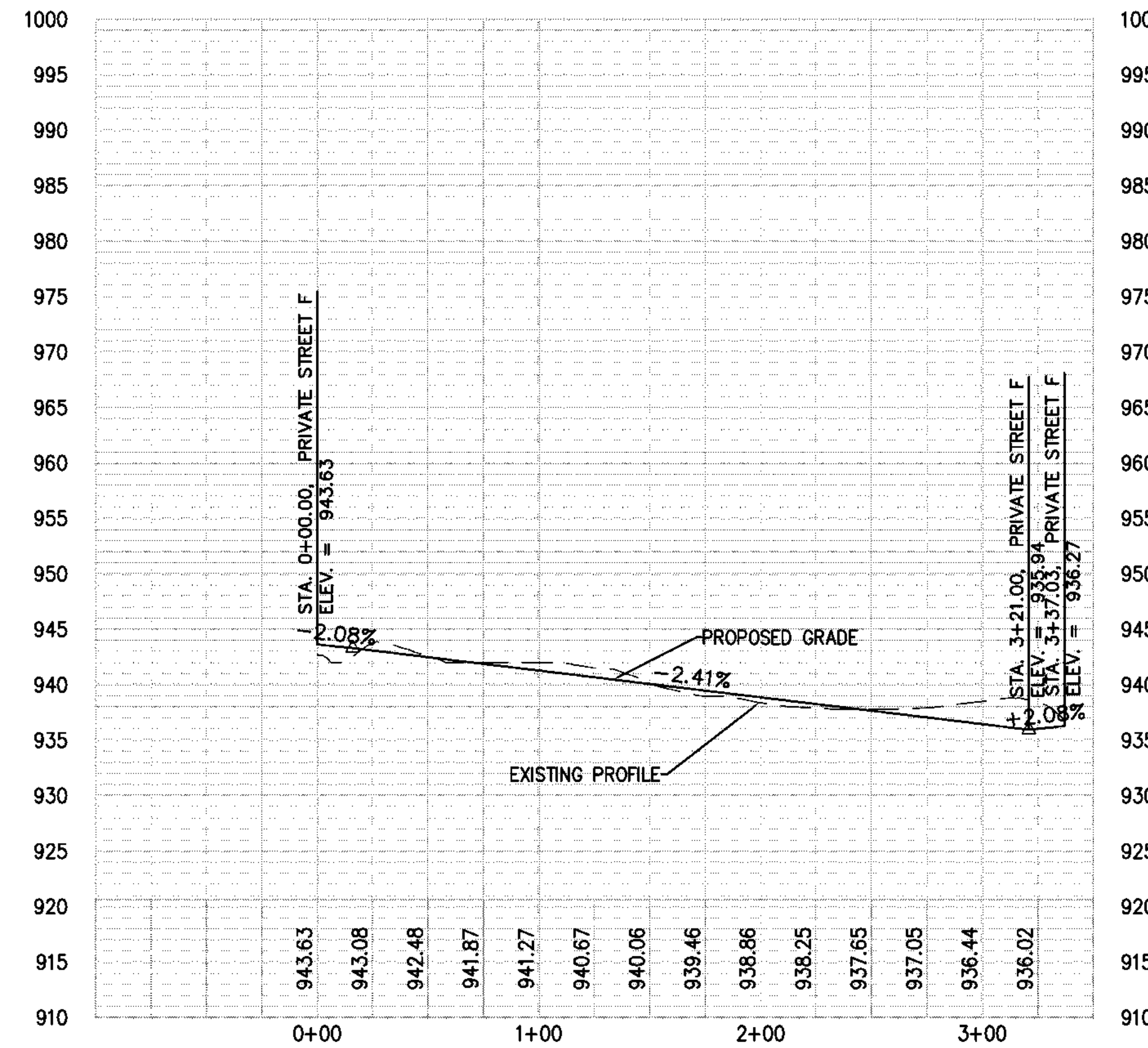
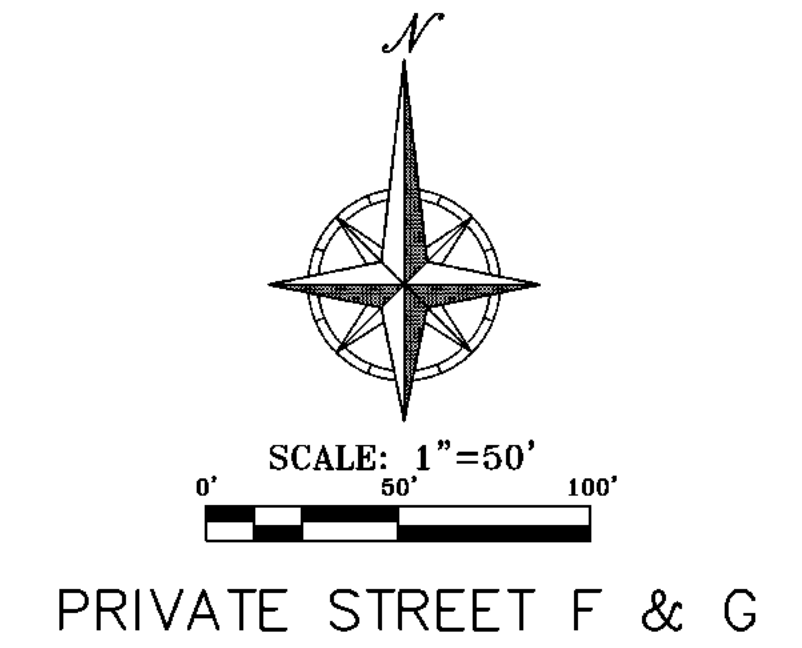
FUTURE INDEPENDENT
SENIOR LIVING
COMMUNITY

FUTURE TRAIL
(BY OTHERS)

PRIVATE STREET F

SCALE: 1"=50' HORIZ.
1"=10' VERT.

PRIVATE STREET G



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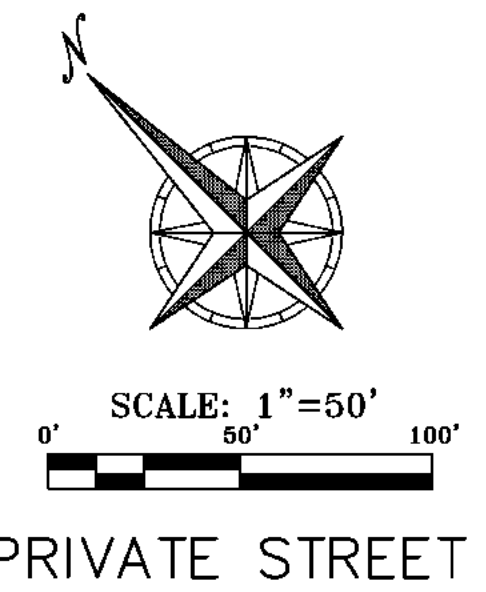
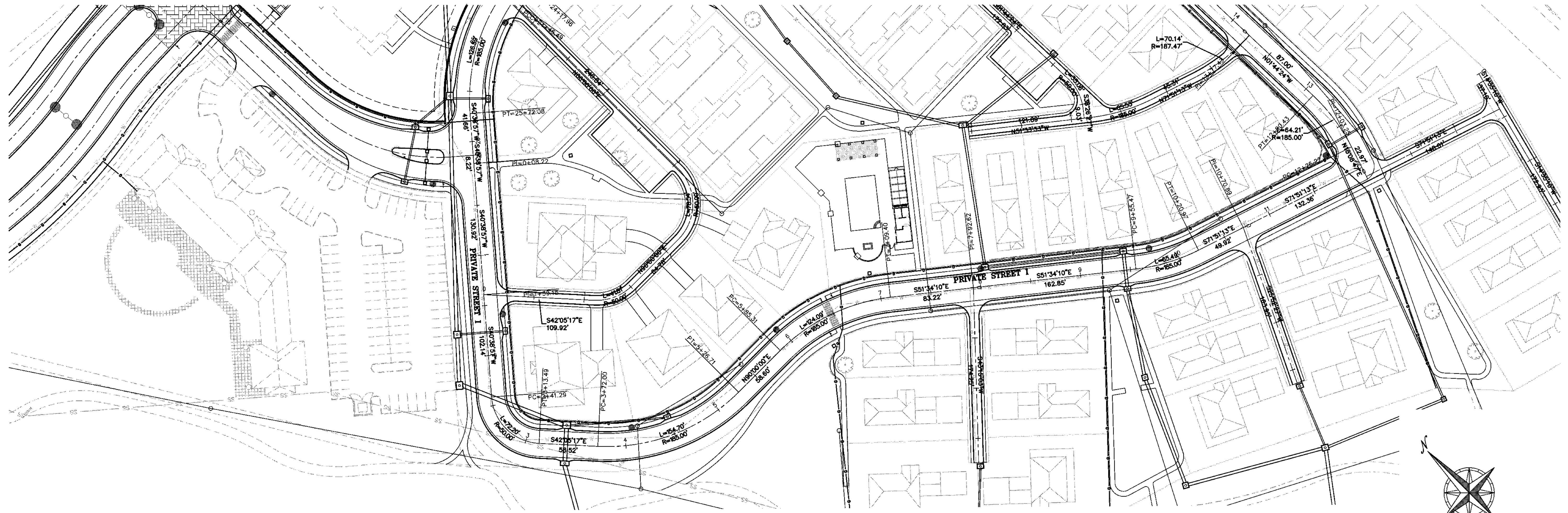
PLANNING
ENGINEERING
IMPLEMENTATION



STREET PLAN & PROFILE
MEADOWBROOK PARK
PRAIRIE VILLAGE, KANSAS
FINAL DEVELOPMENT PLANS

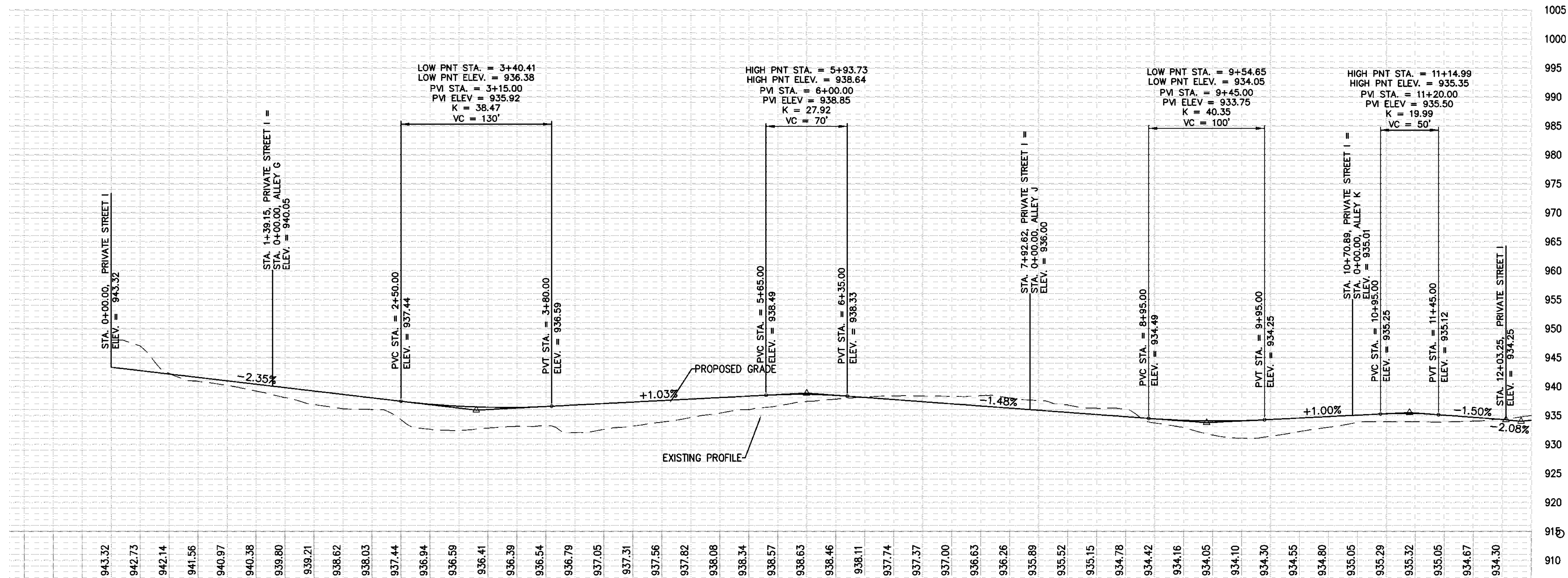
PROJECT NO.	160008	No.	Date	By	App.
DATE:	03-04-16				
DRAWN:	MRR				
DESIGNED:	DEU				
CHECKED:					
APPROVED:					

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SCALE: 1"=50' HORIZ.
1"=10' VERT.

PRIVATE STREET I



1005
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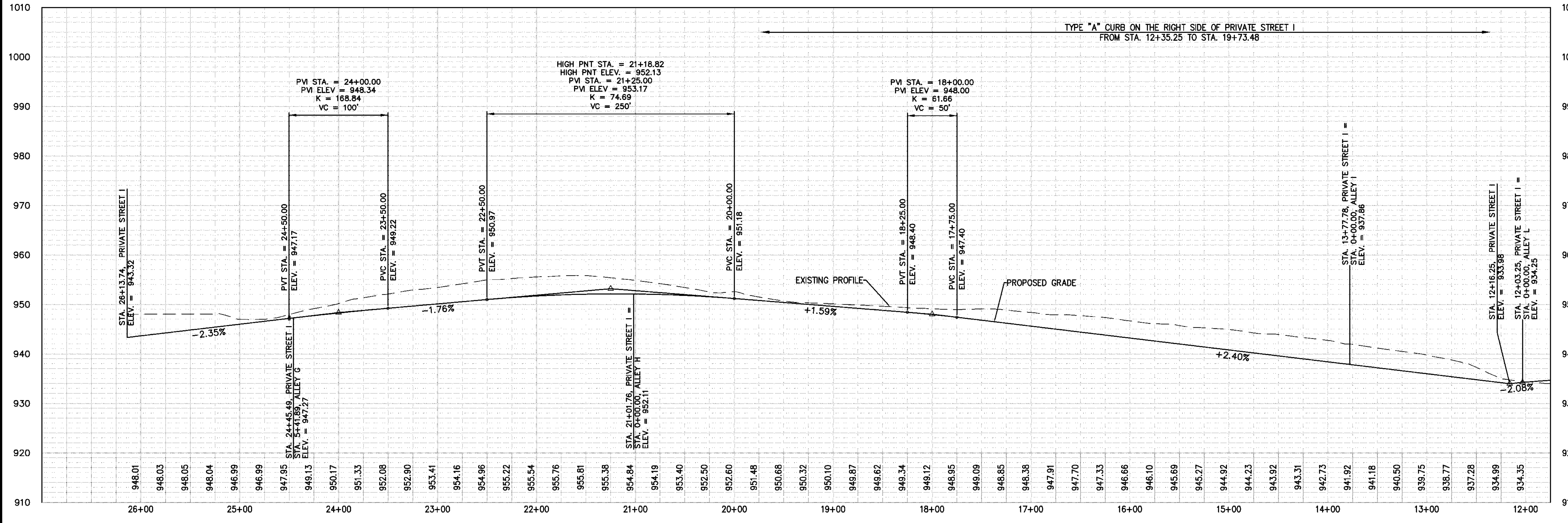
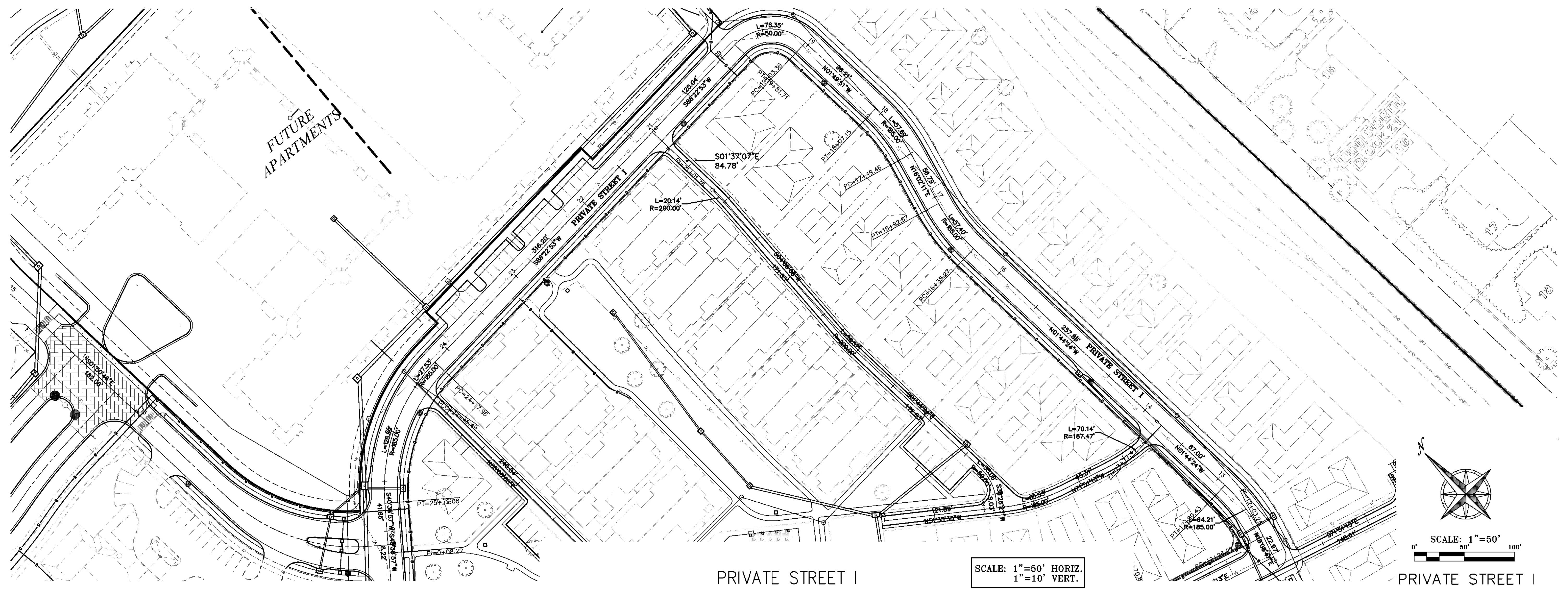
PLANNING
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STREET PLAN & PROFILE
MEADOWBROOK PARK
PRAIRIE VILLAGE, KANSAS
FINAL DEVELOPMENT PLANS

PROJECT NO.	160008	No.	Date	Revisions:	By	App.
DATE:	03-04-16					
DRAWN:	MRR					
DESIGNED:	DEU					
CHECKED:						
APPROVED:						

C4.11

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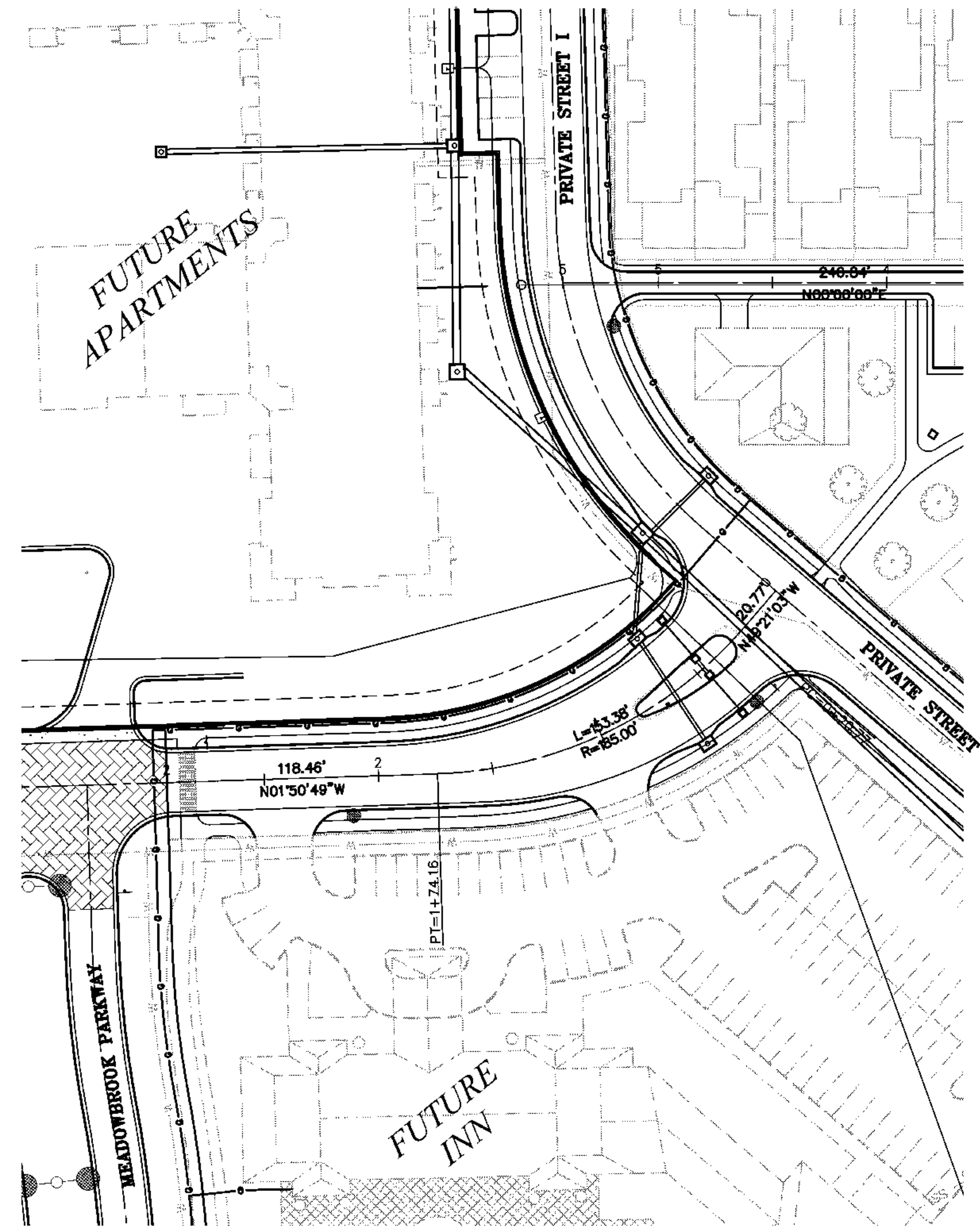
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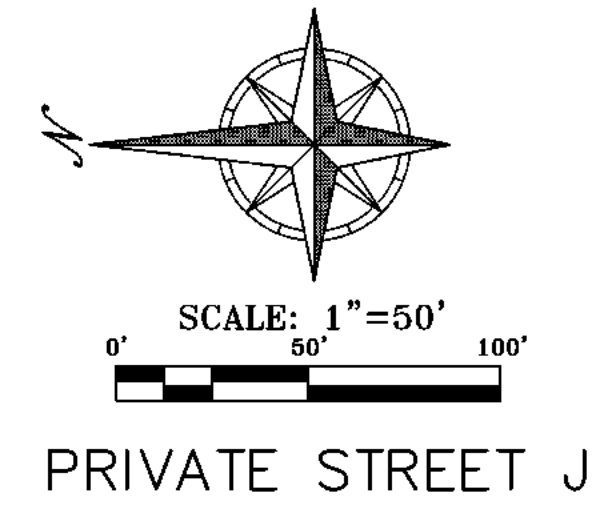
STREET PLAN & PROFILE
MEADOWBROOK PARK
PRAIRIE VILLAGE, KANSAS
FINAL DEVELOPMENT PLANS

PROJECT NO.	150008	No.	Date	Revisions:
DATE:	03-04-16			
DRAWN:	MRR			
DESIGNED:	DEU			
CHECKED:				
APPROVED:				

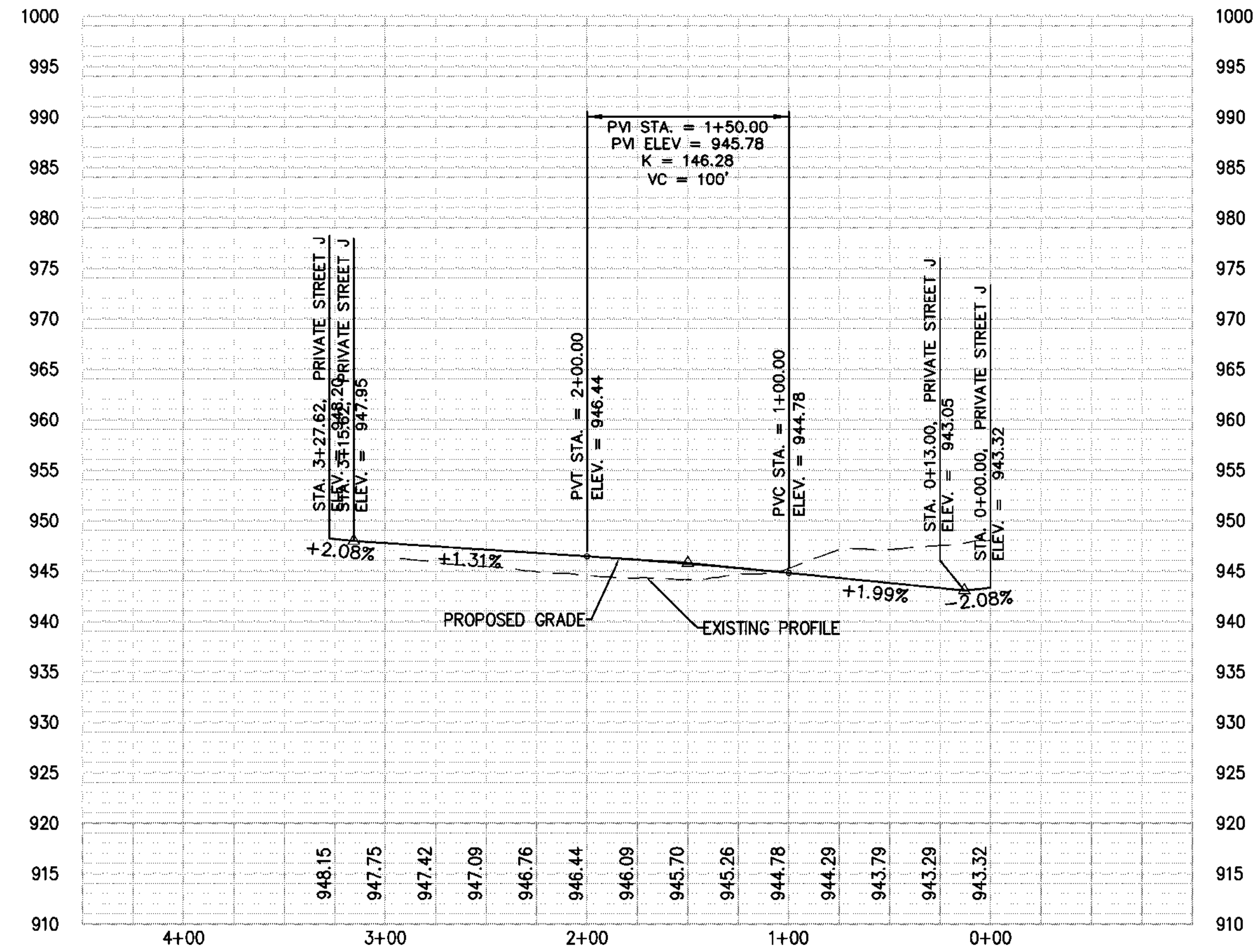
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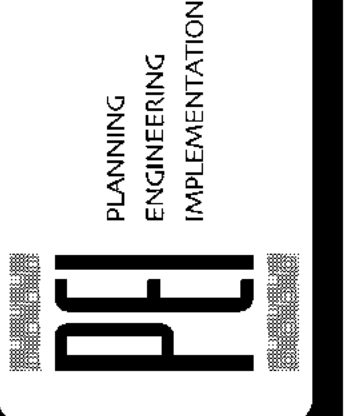
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Private Street J



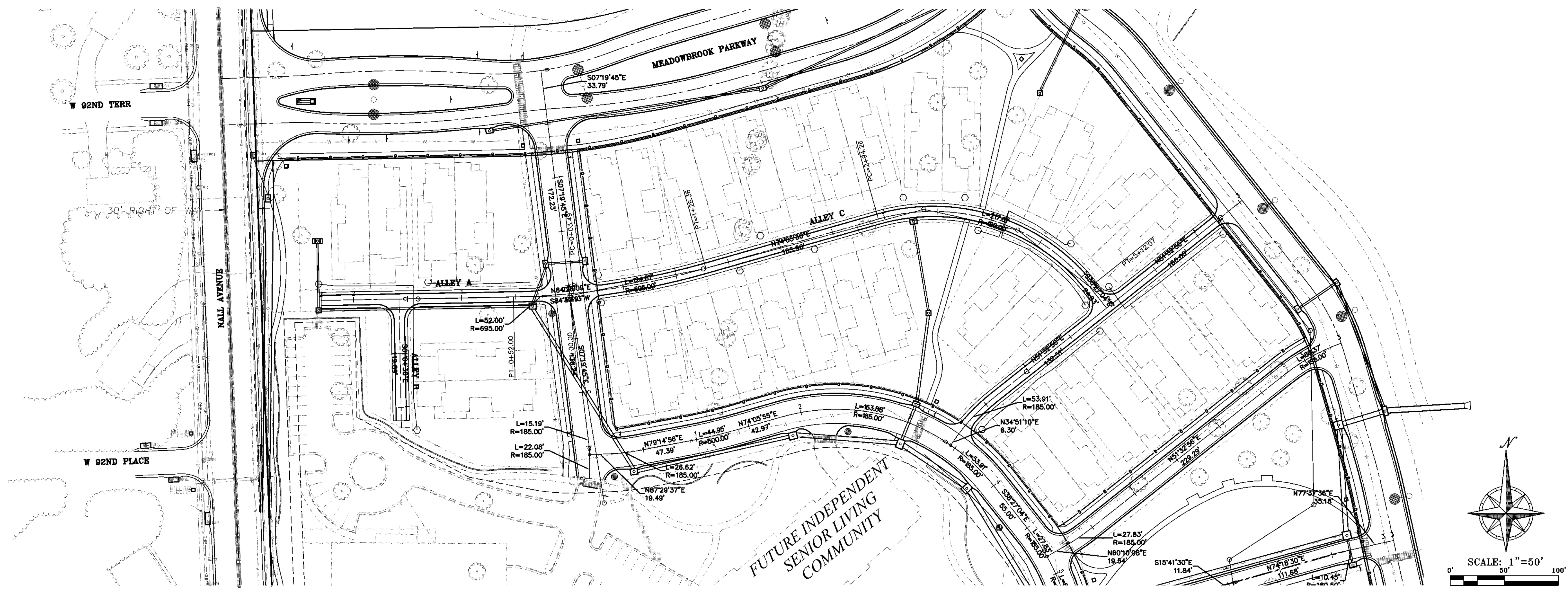
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STREET PLAN & PROFILE
MEADOWBROOK PARK
PRAIRIE VILLAGE, KANSAS
FINAL DEVELOPMENT PLANS

PROJECT NO.	DATE	NO.	DATE	BY	APP.
160008	03-04-16	MRR			
		DESIGNED: DEU			
		CHECKED:			
		APPROVED:			

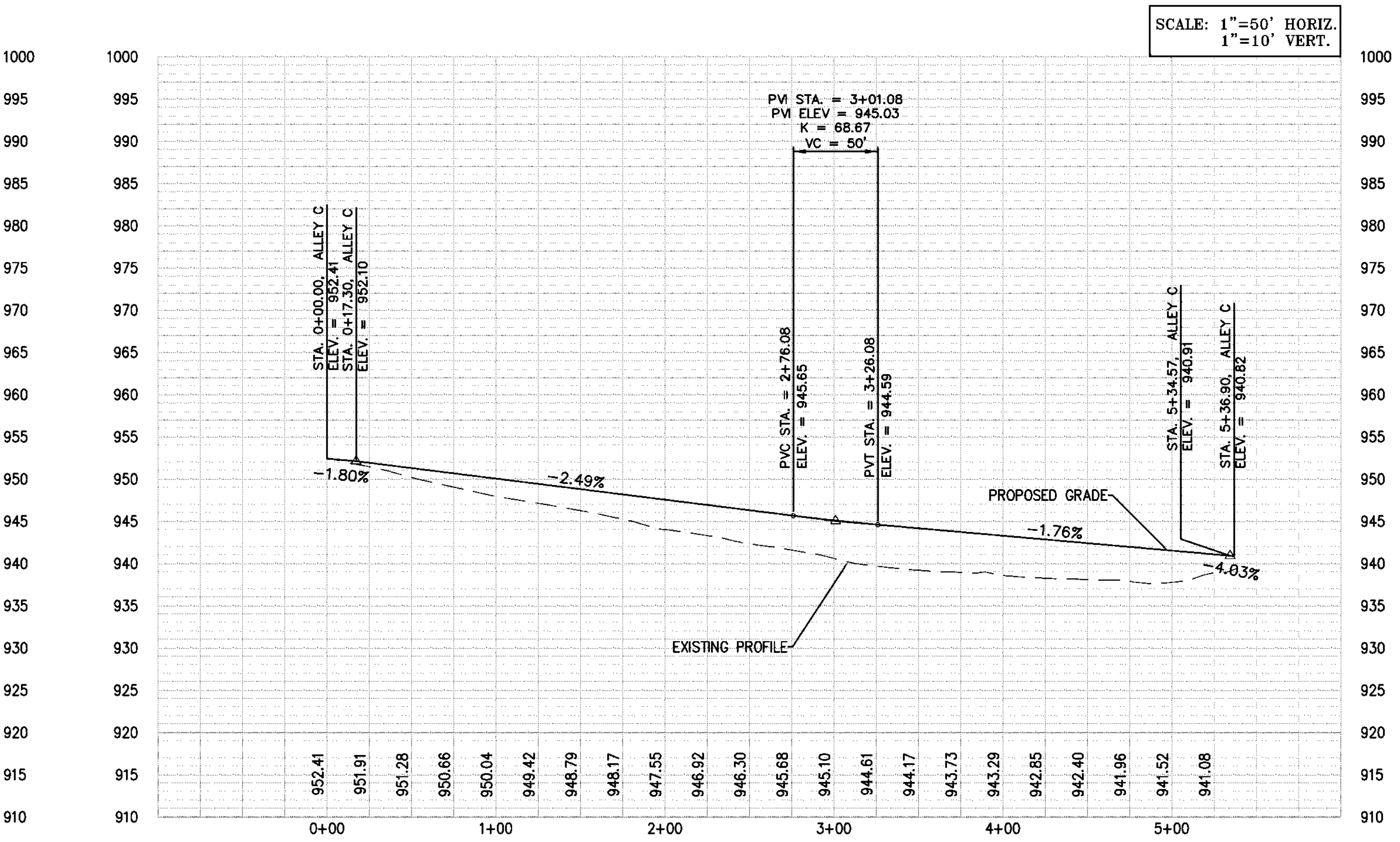
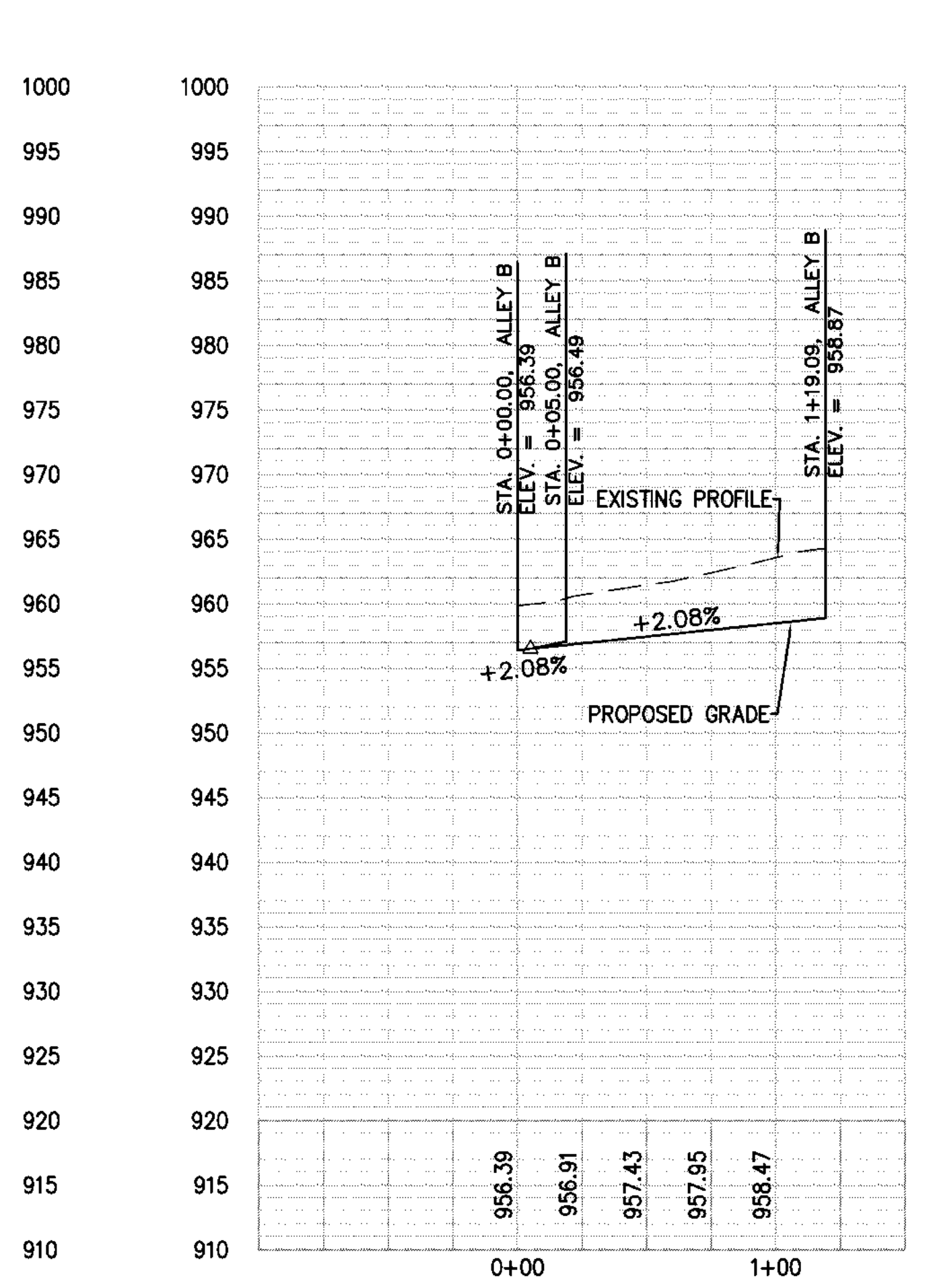
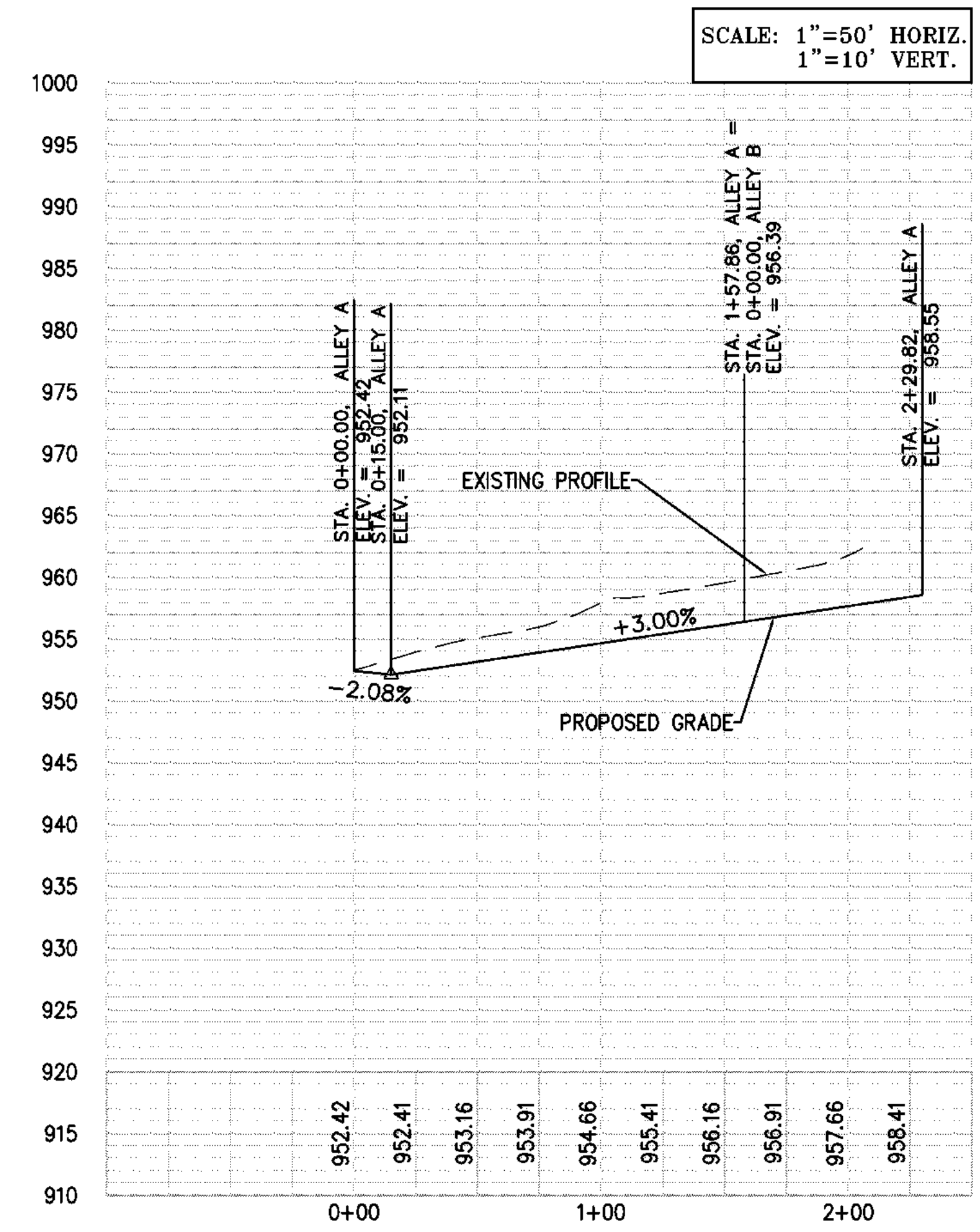
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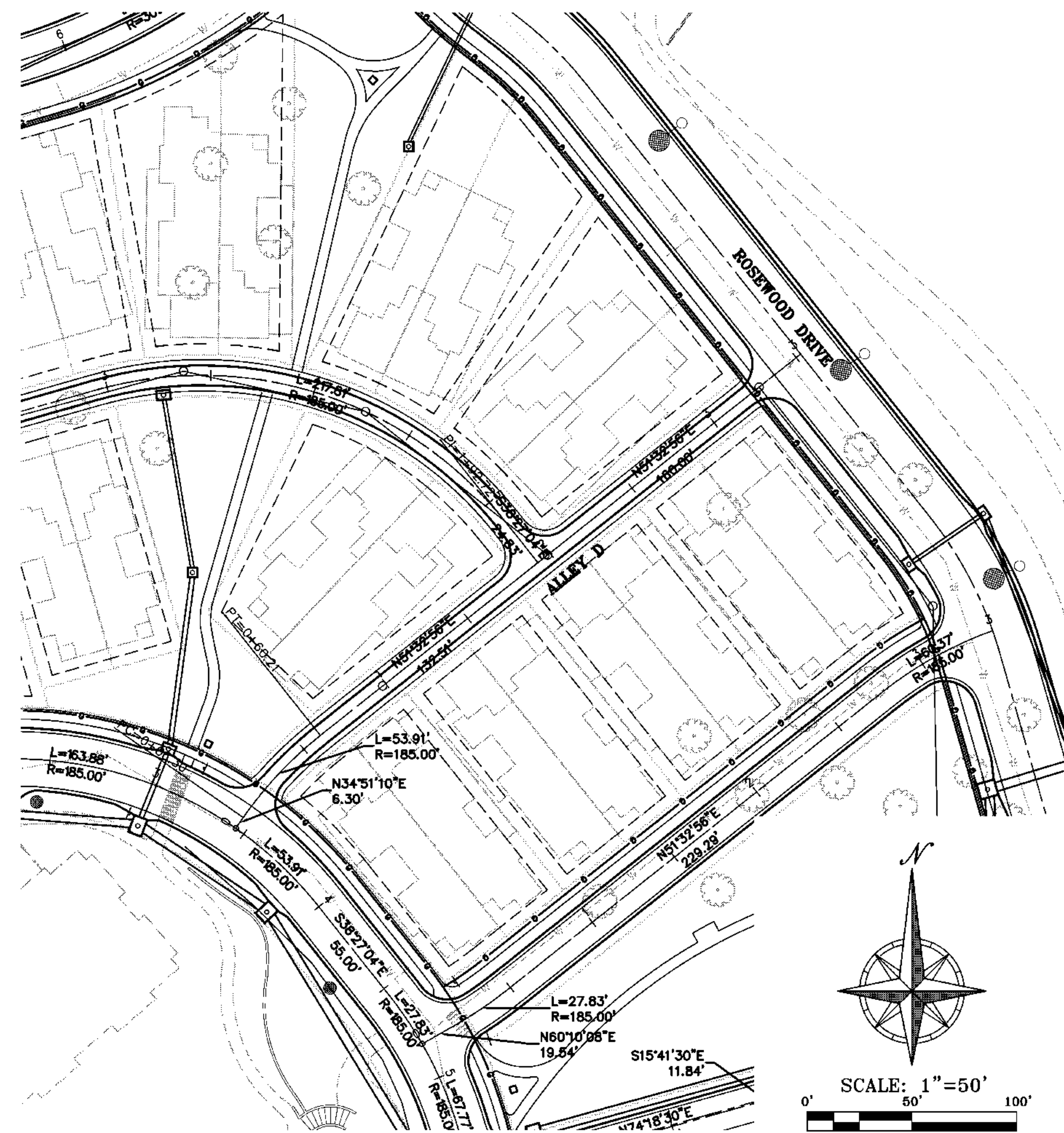
ALLEY B

ALLEY C

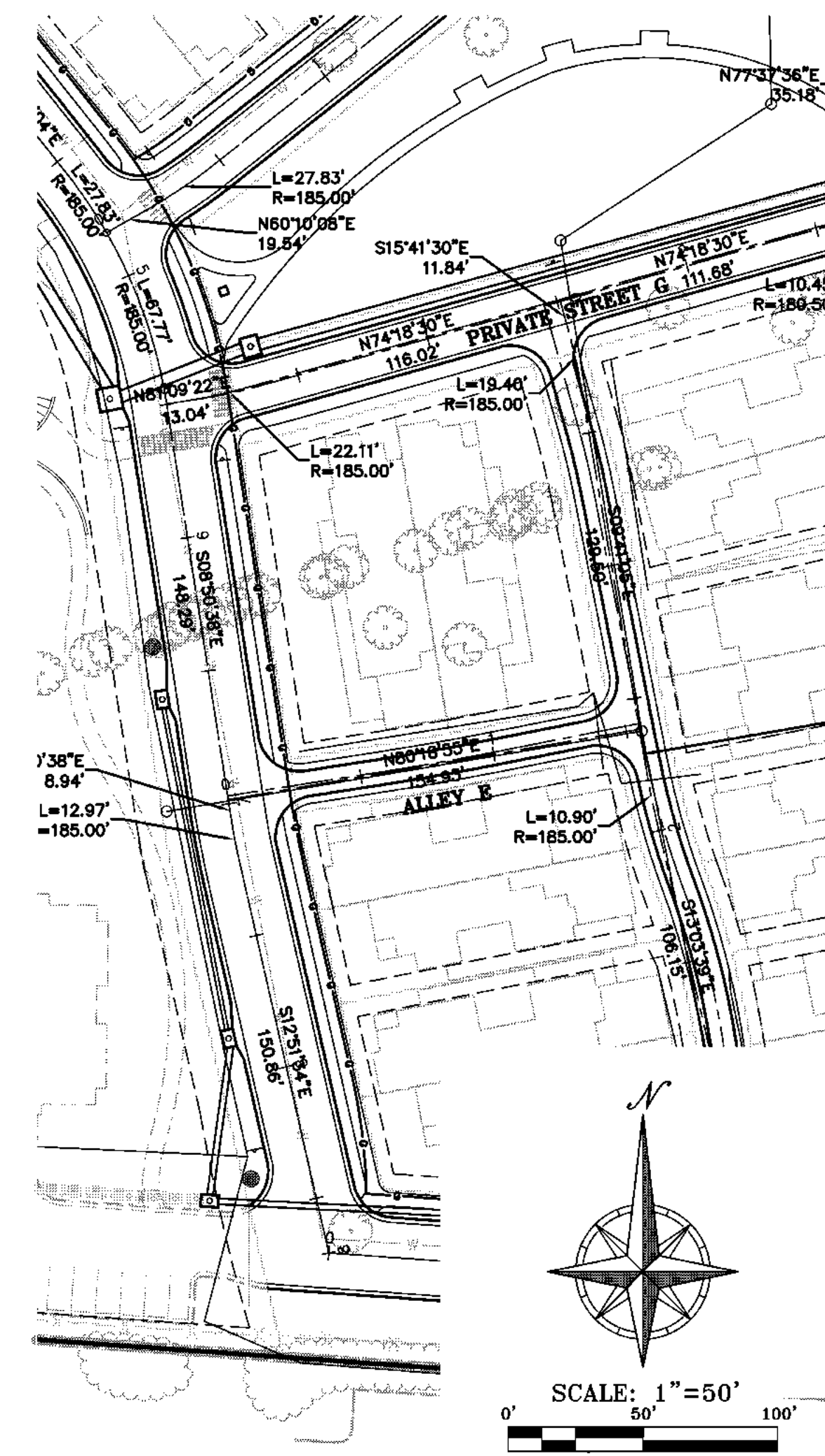


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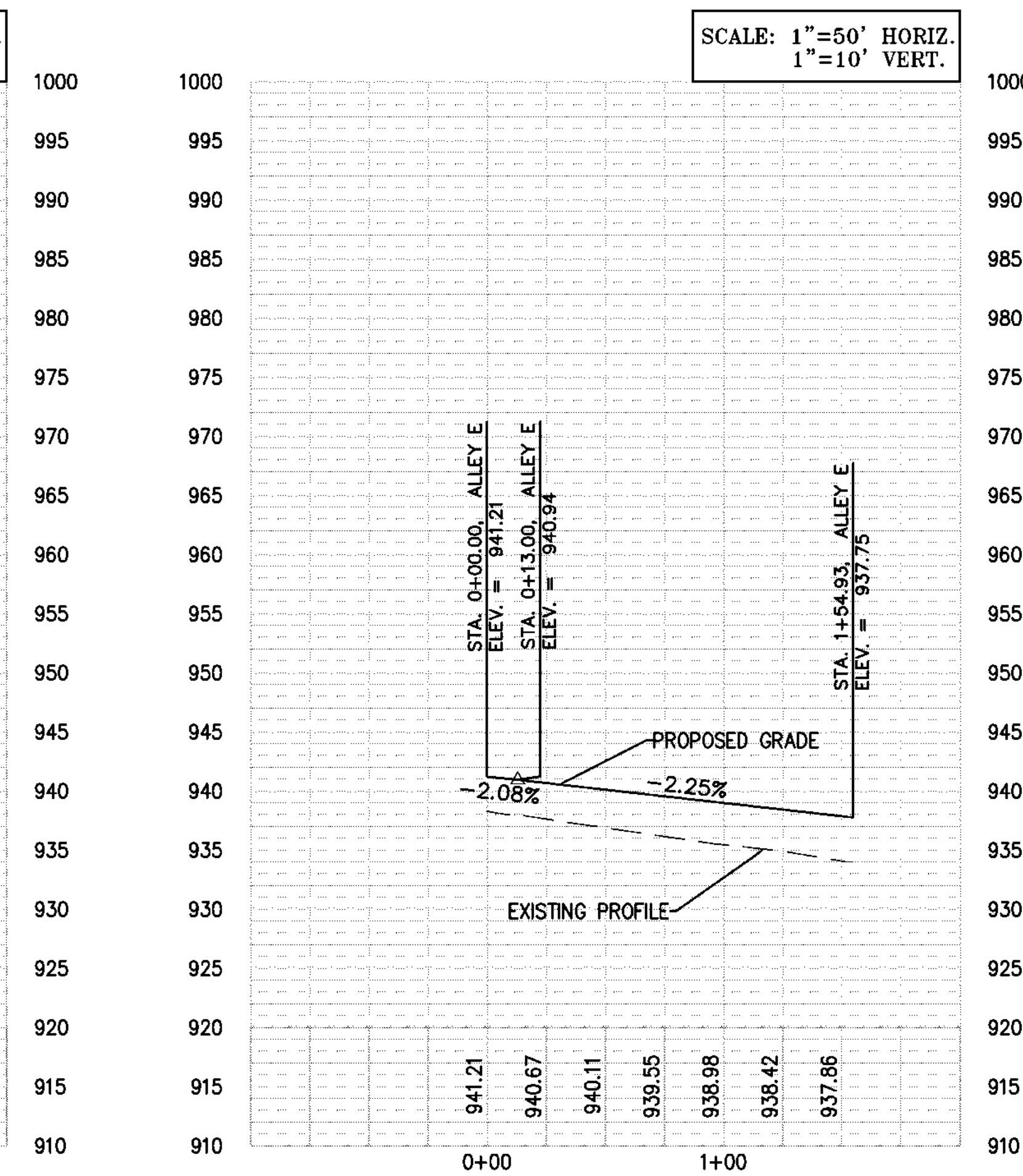
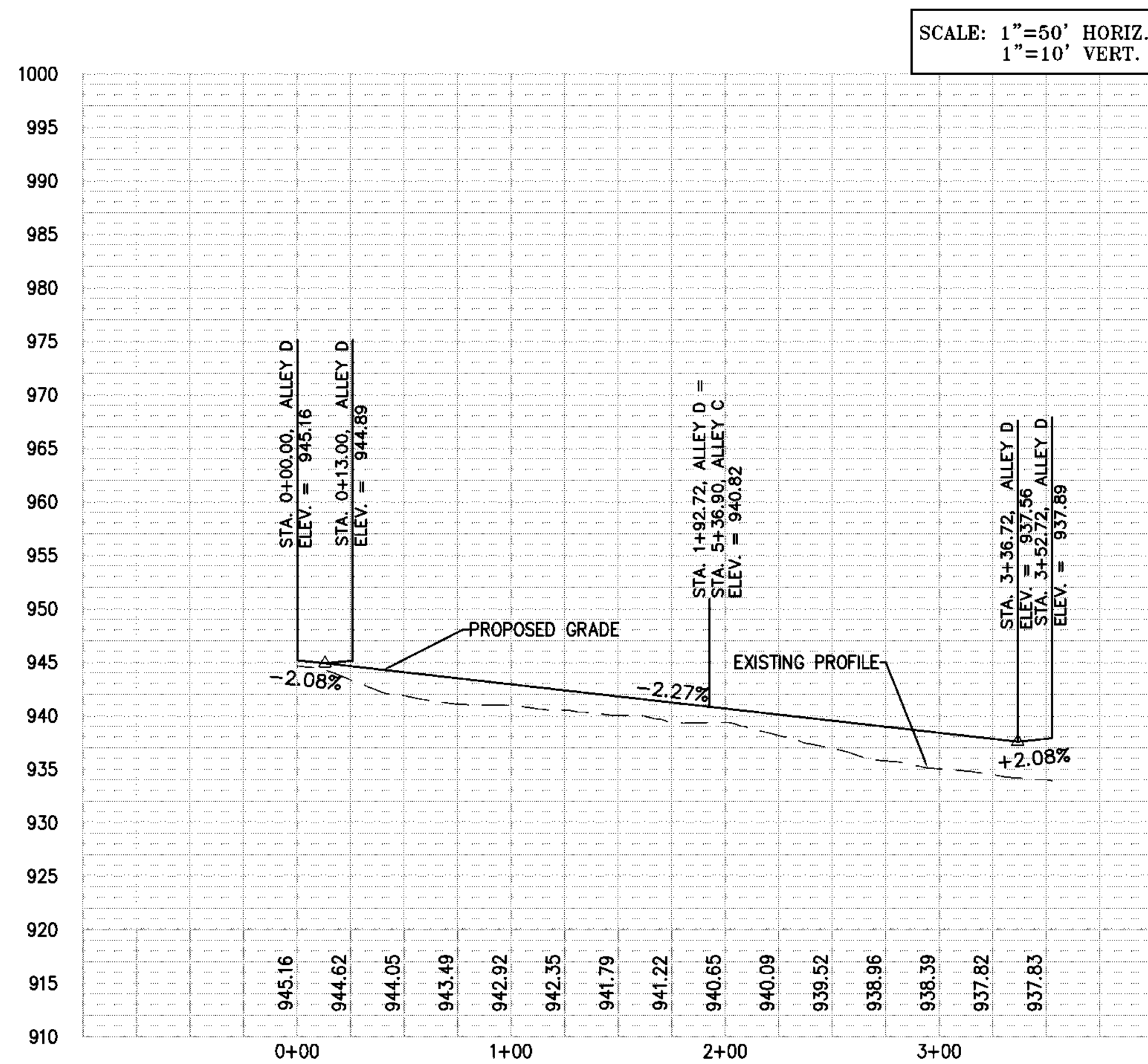
PROJECT NO.	160008	No.	Date
DATE:	03-04-16		
DRAWN:	MRR		
DESIGNED:	DEU		
CHECKED:			
APPROVED:			



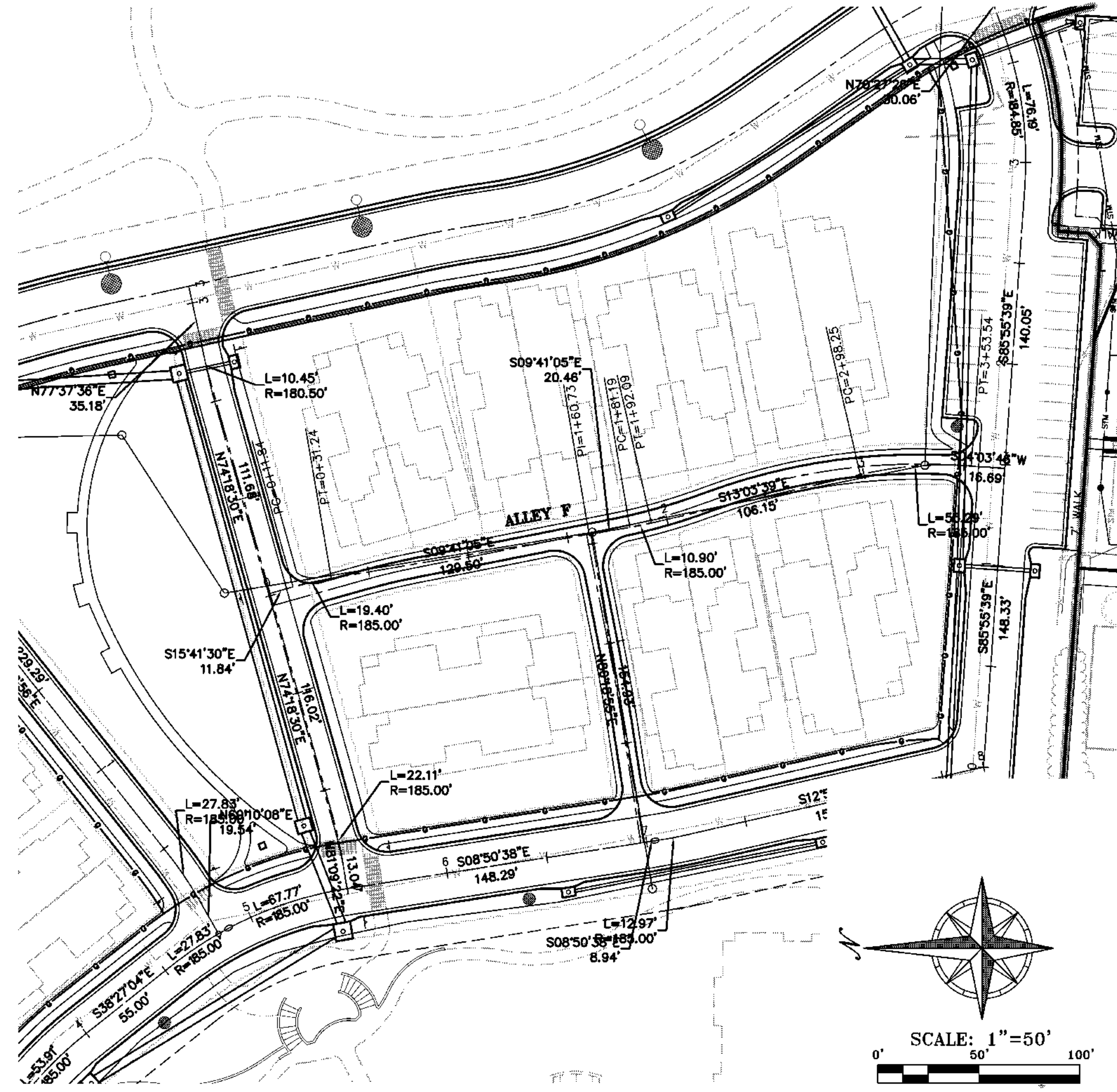
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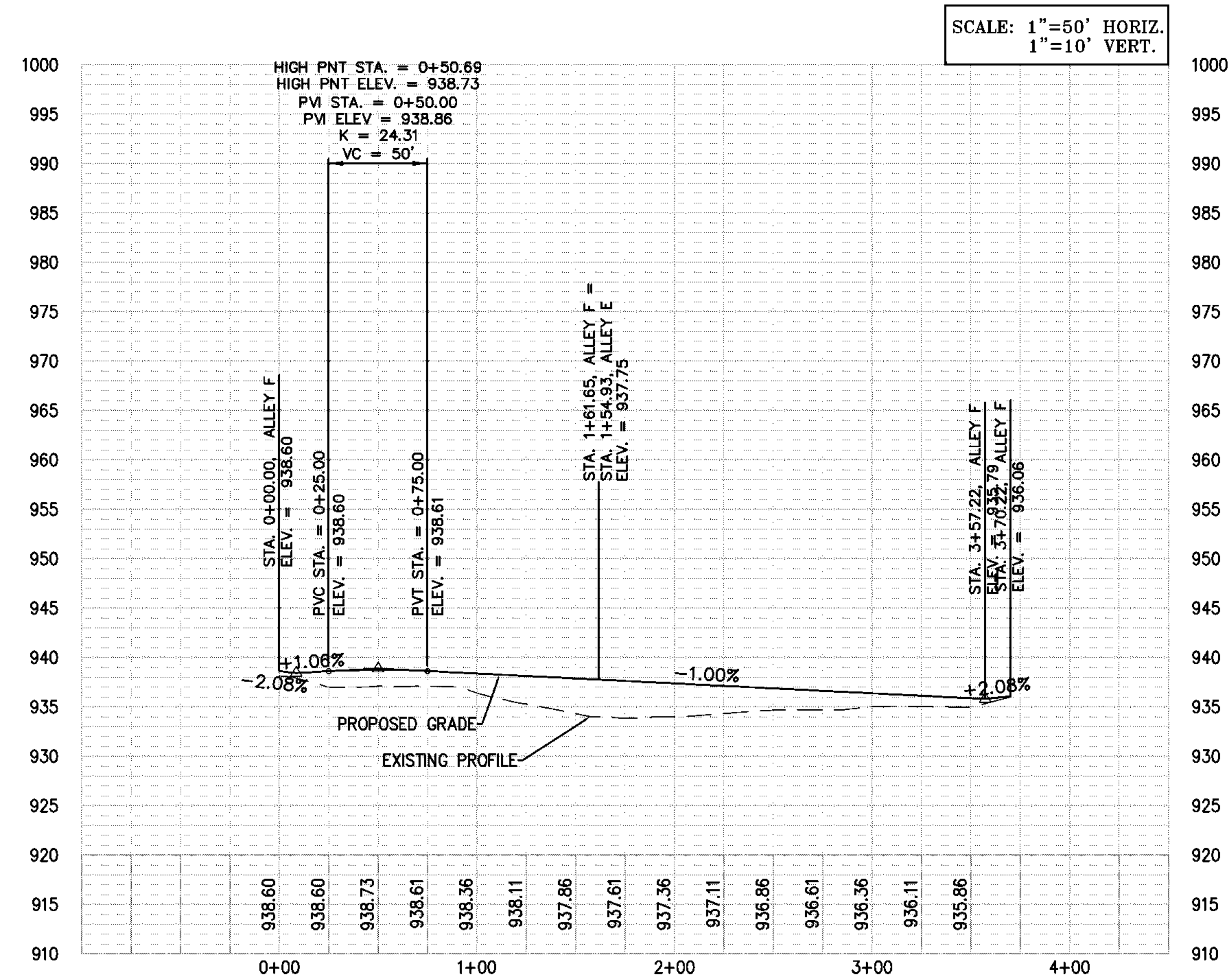
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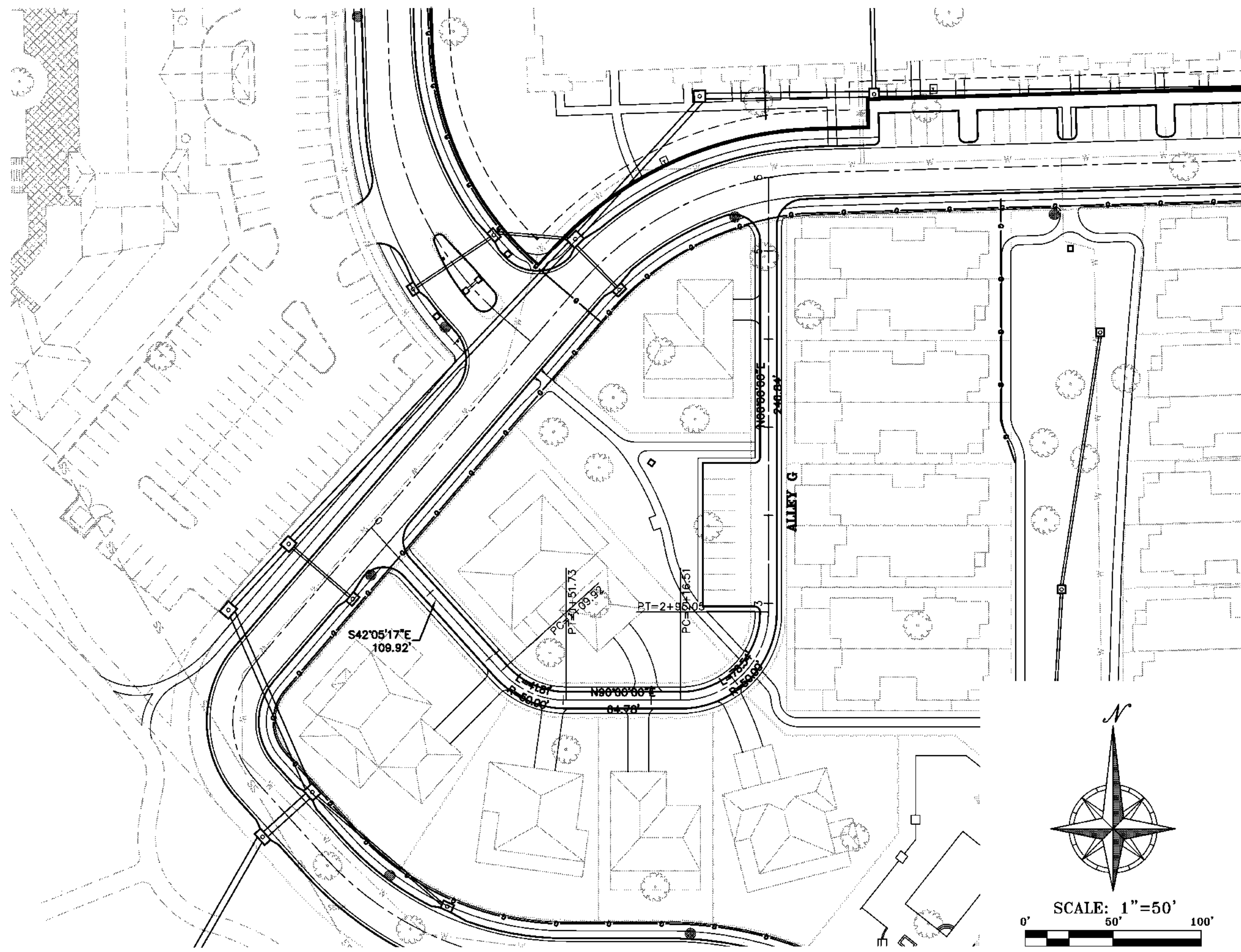
PROJECT NO.	160008	No.	Date
DATE:	03-04-16		
DRAWN:	MRR		
DESIGNED:	DEU		
CHECKED:			
APPROVED:			



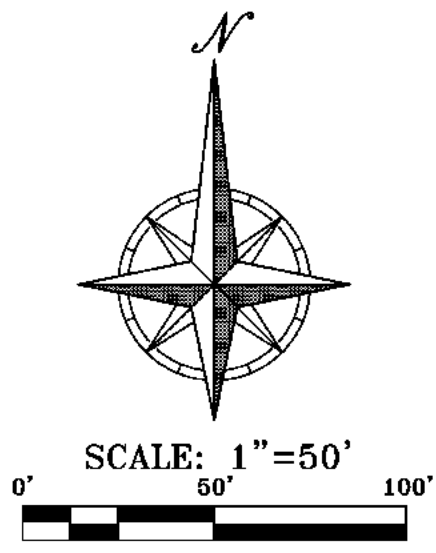
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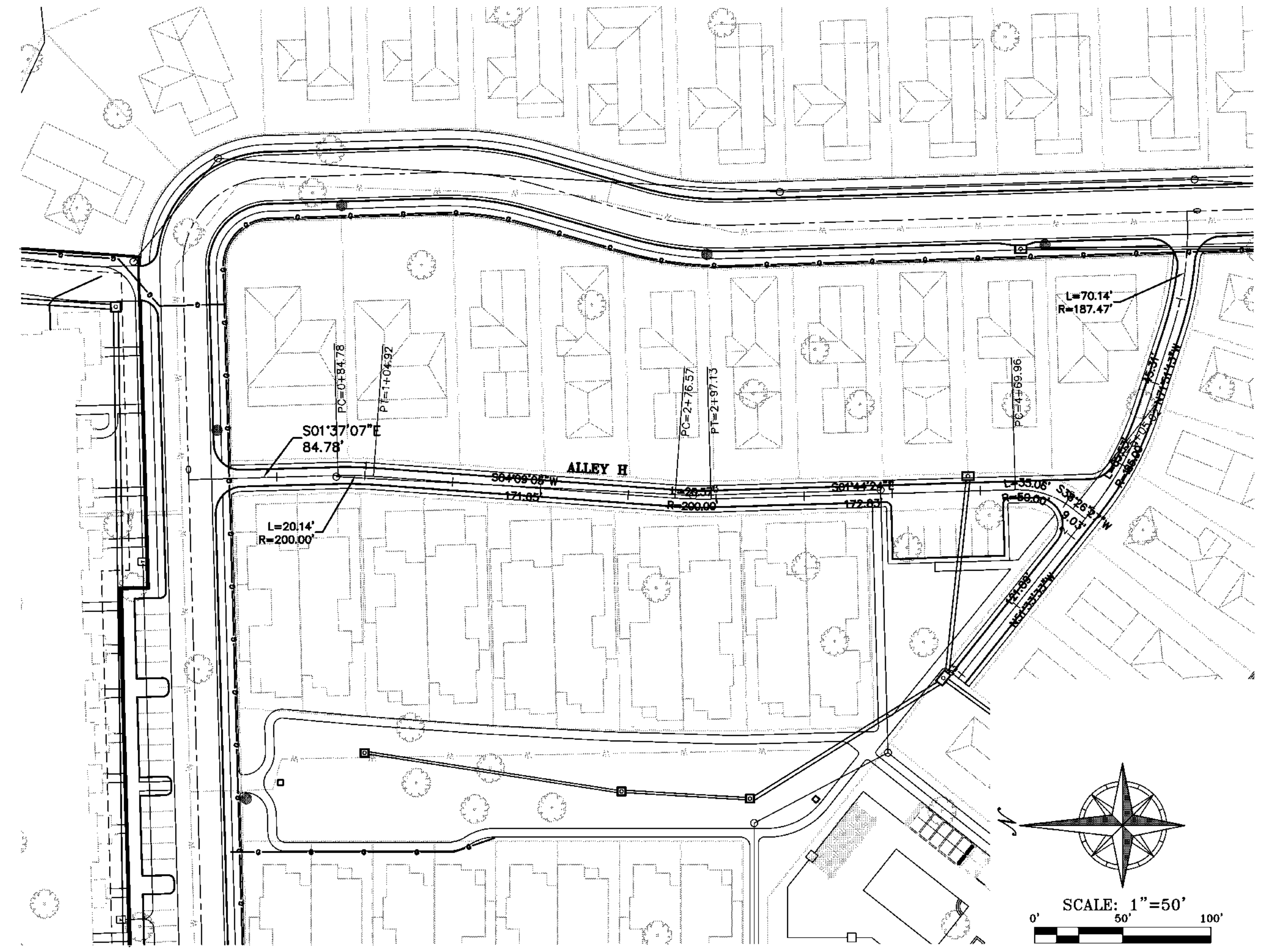
PROJECT NO.	160008	No.	Date	By	App.
DATE:	03-04-16				
DRAWN:	MRR				
DESIGNED:	DEU				
CHECKED:					
APPROVED:					



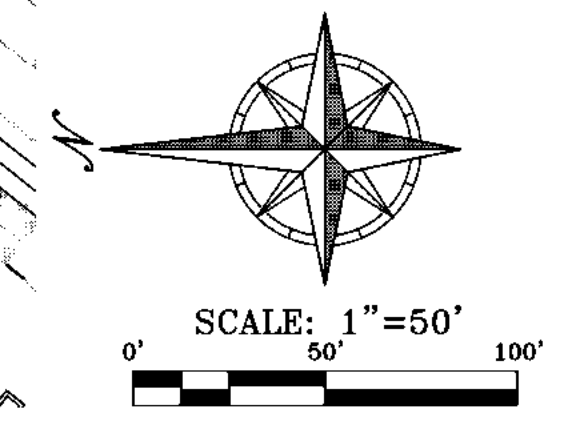
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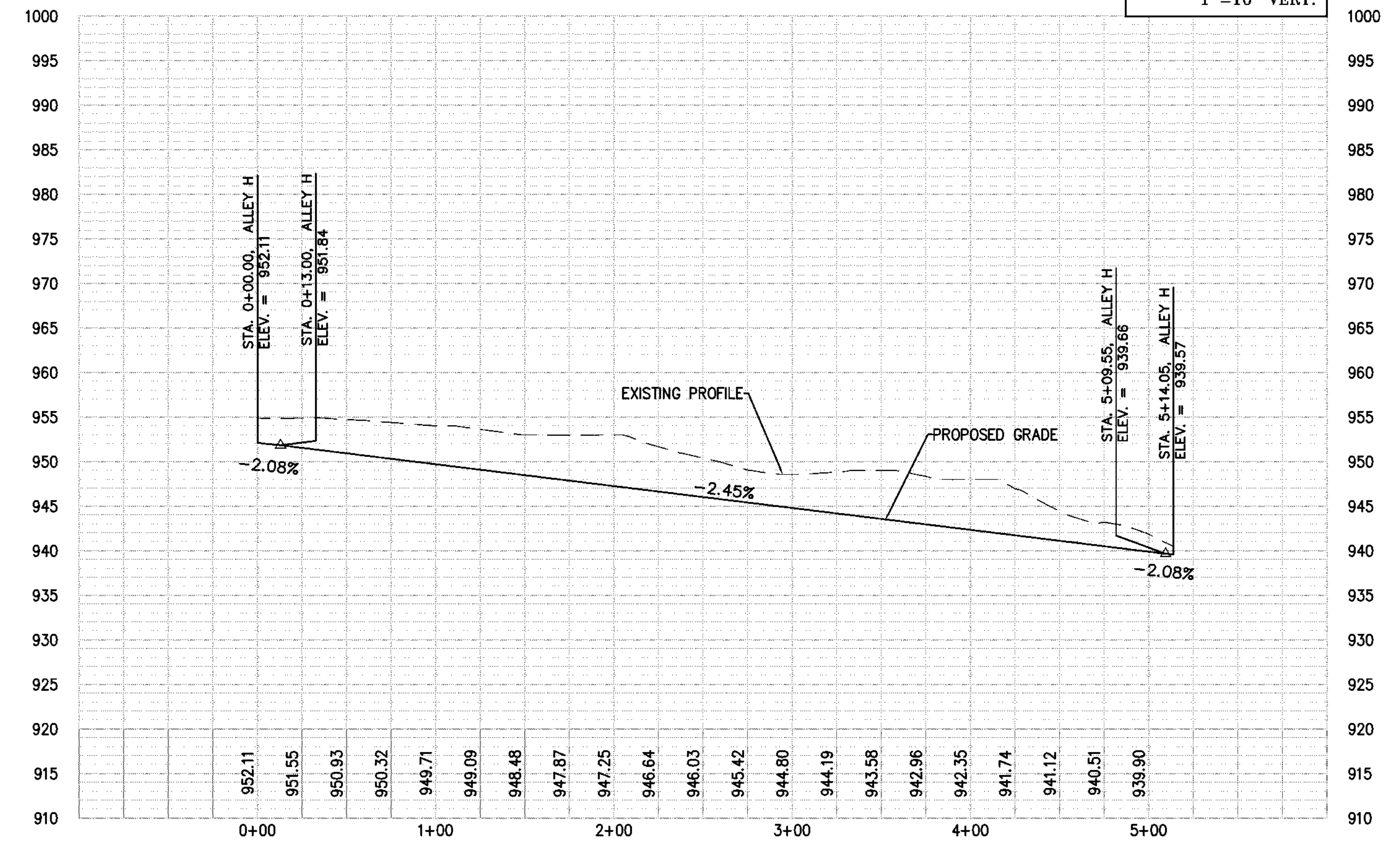
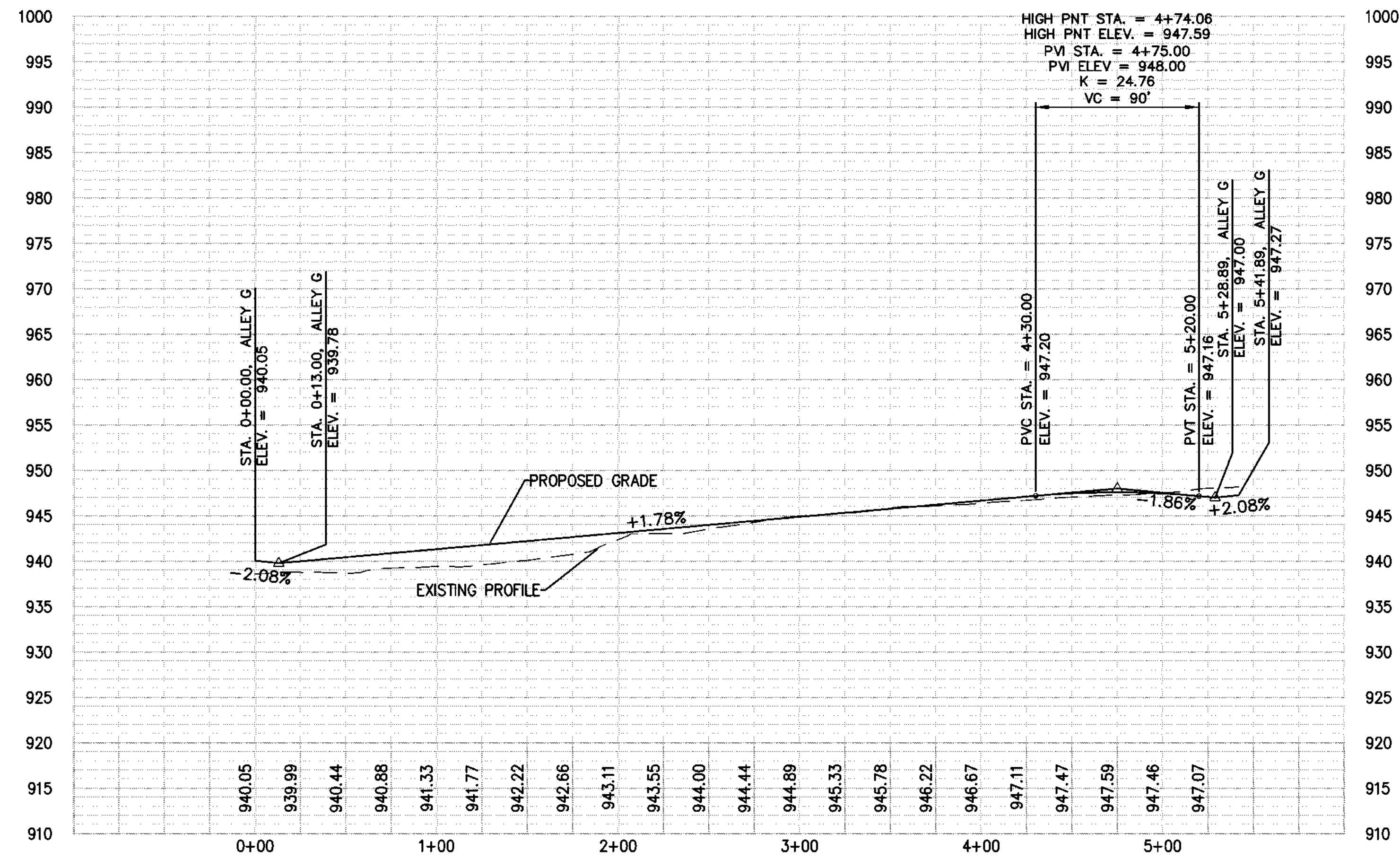
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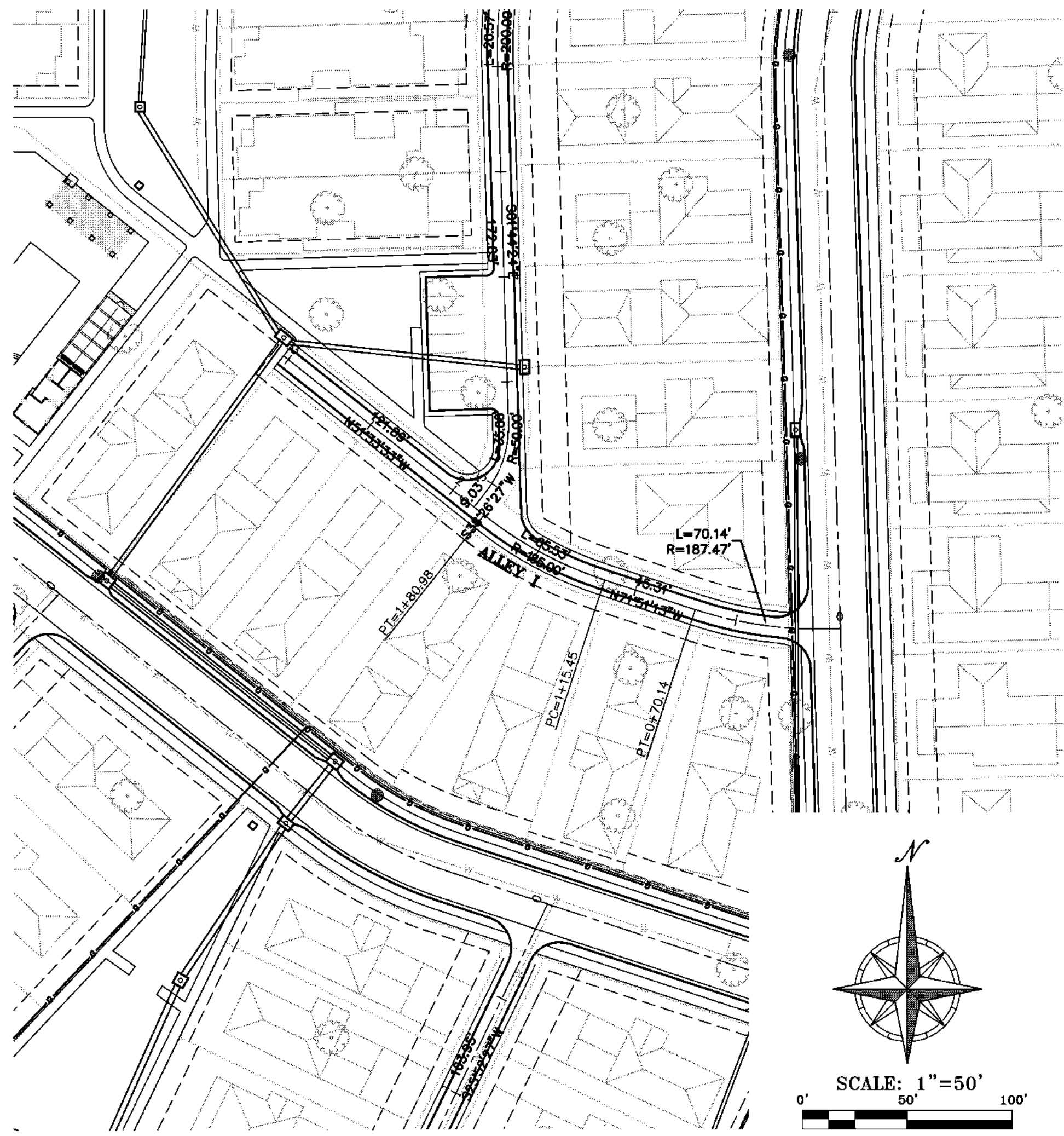
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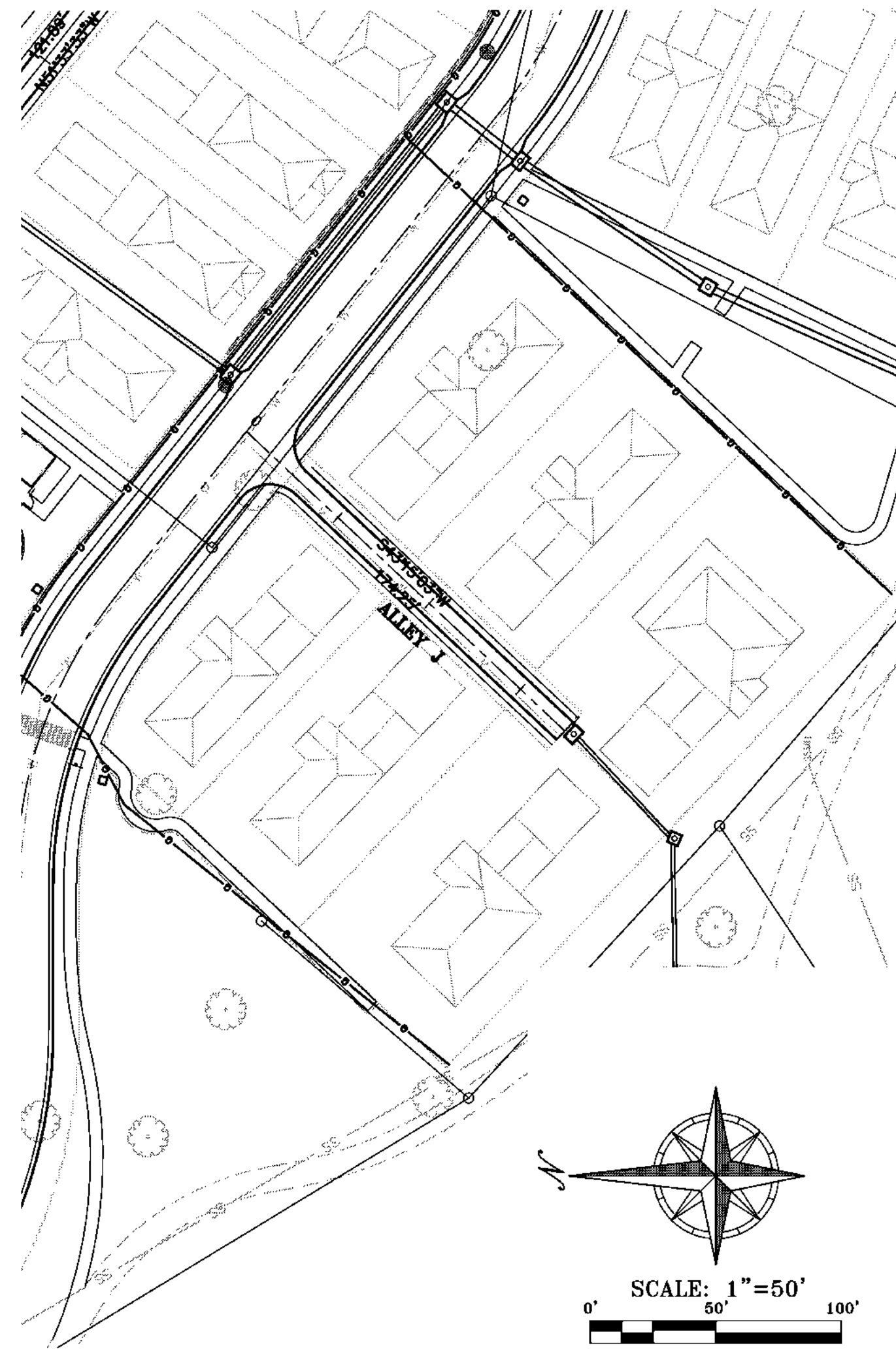
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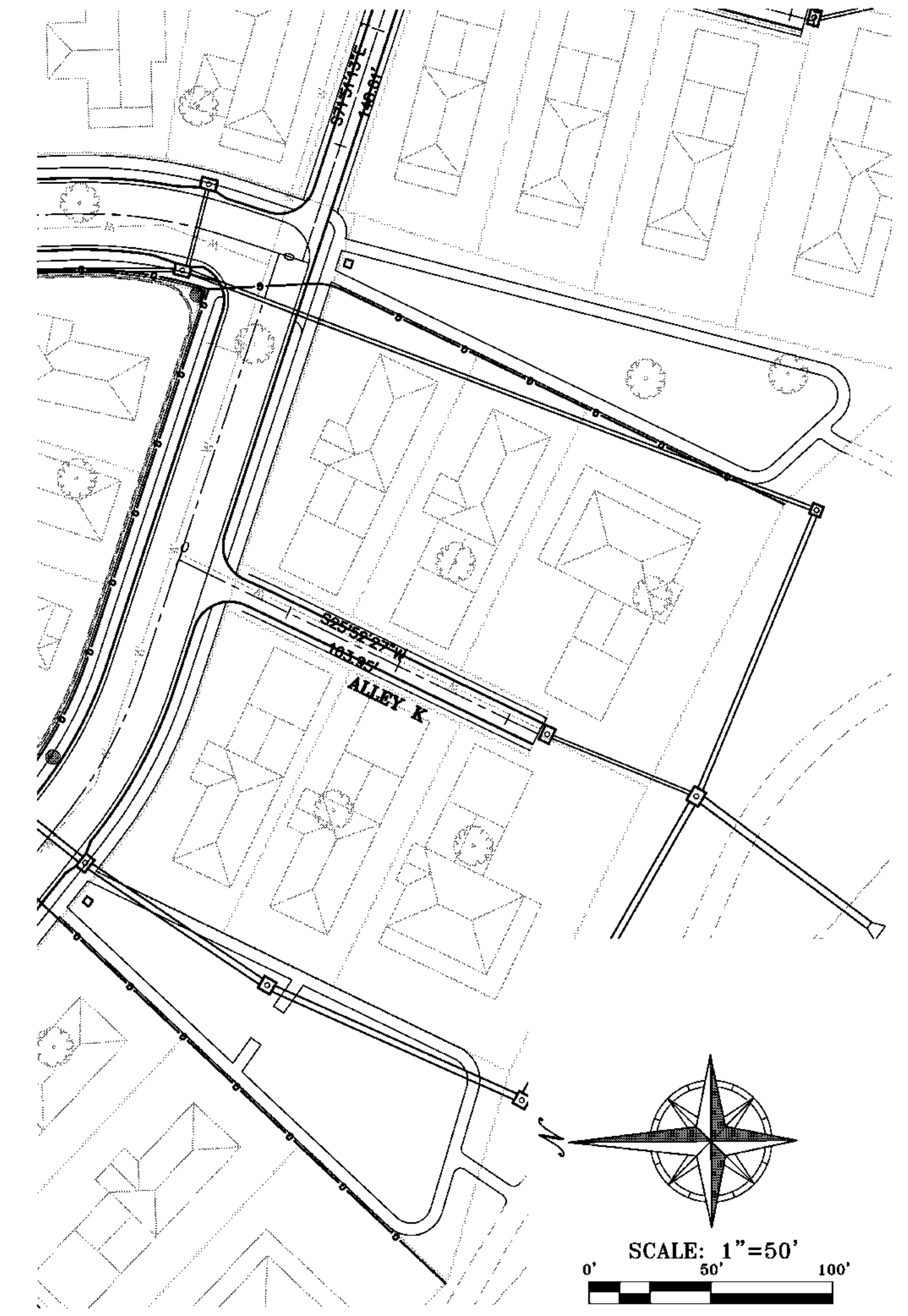
PROJECT NO.	160008	No.	Date	Revisions:
DATE:	03-04-16			
DRAWN:	MRR			
DESIGNED:	DEU			
CHECKED:				
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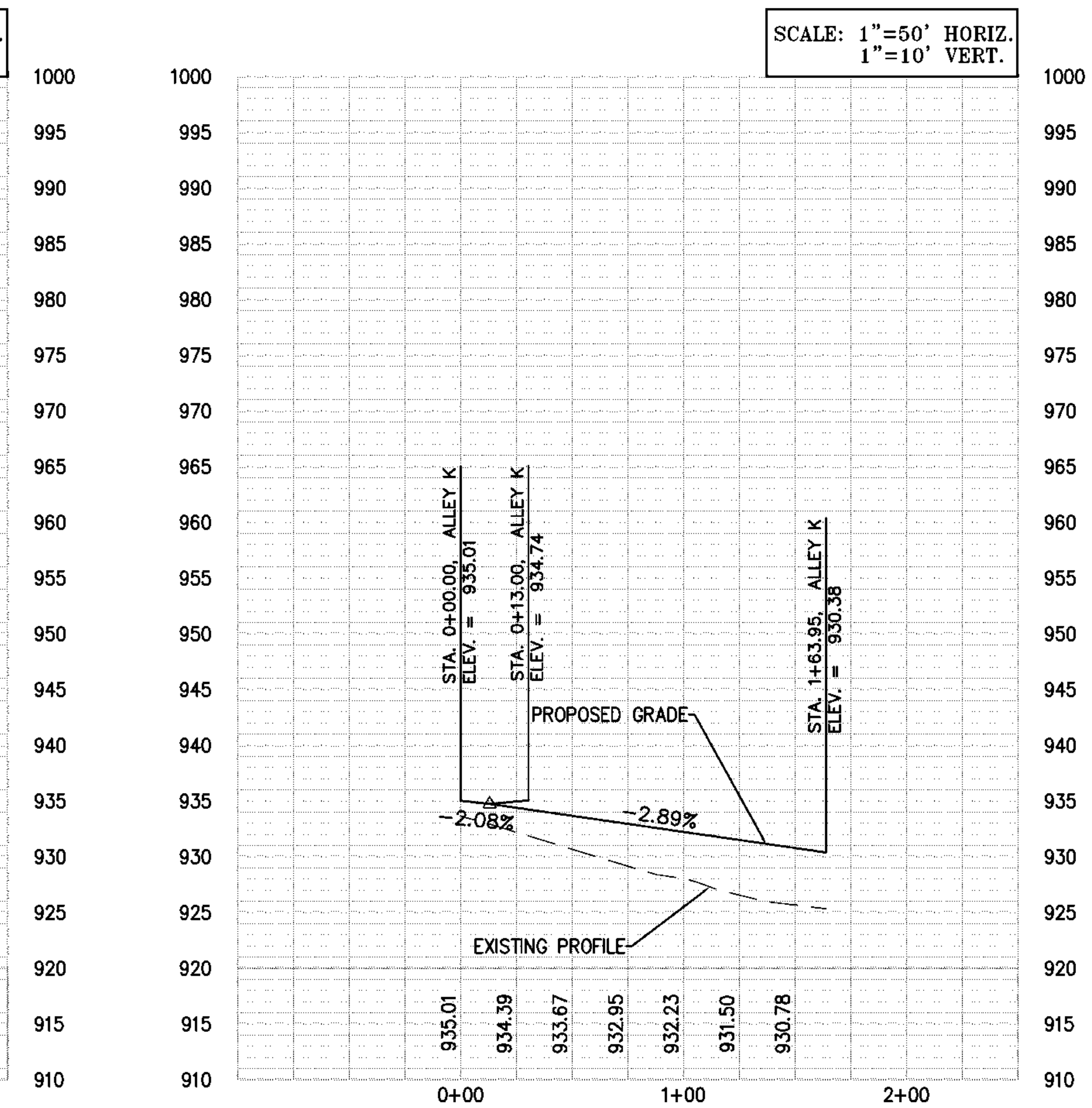
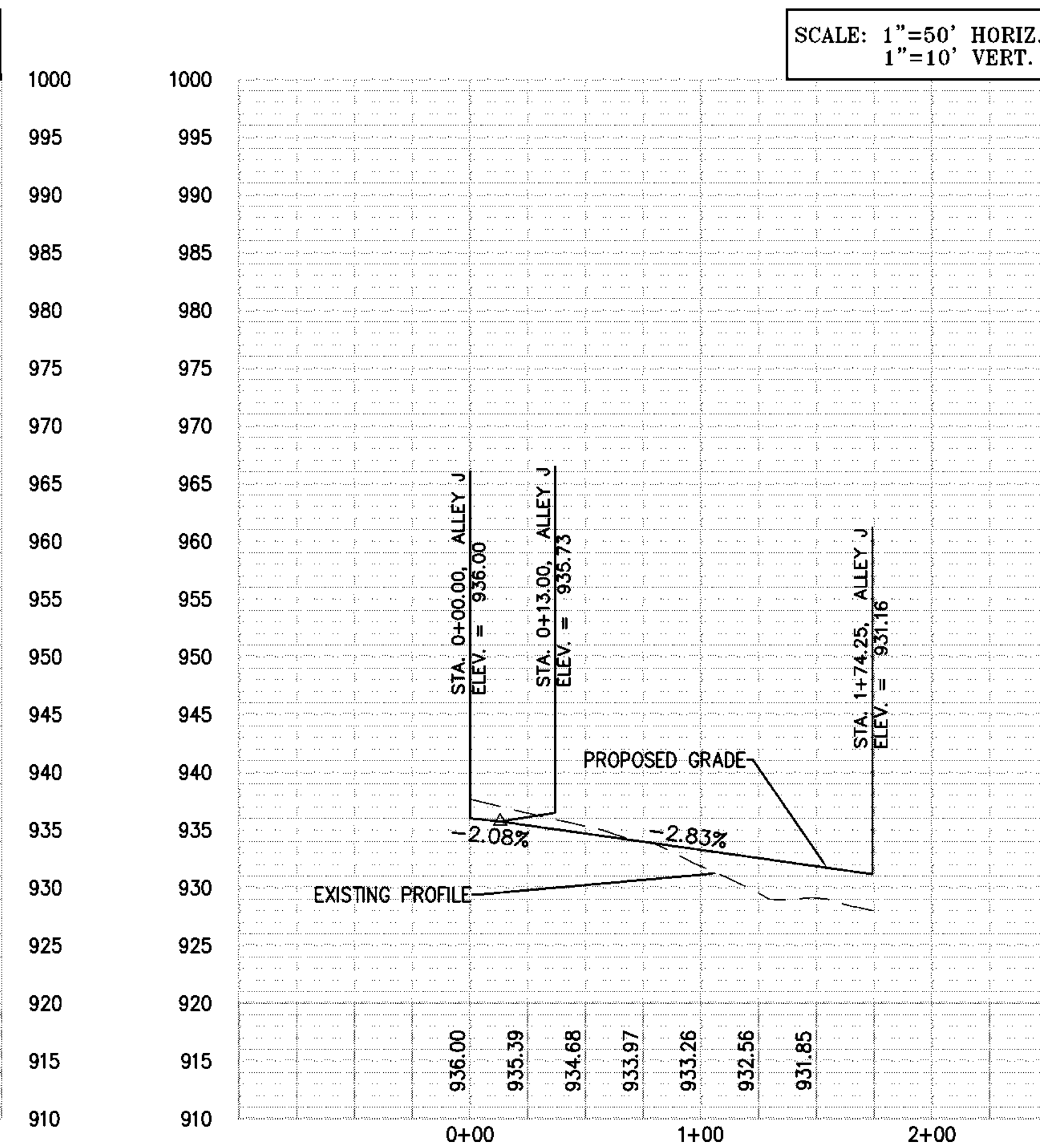
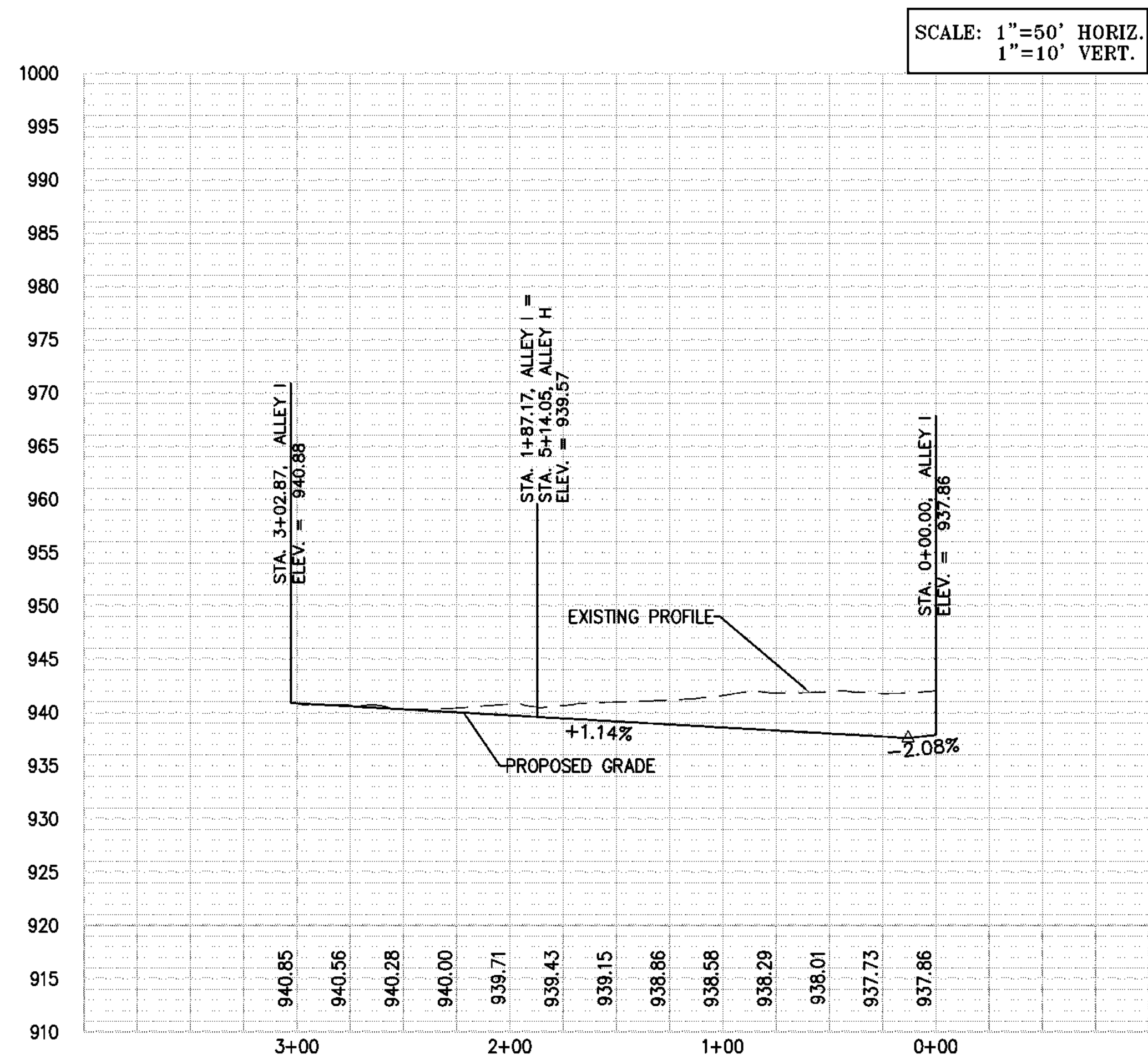
ALLEY I



ALLEY J

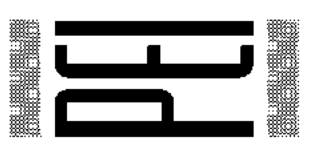


ALLEY K



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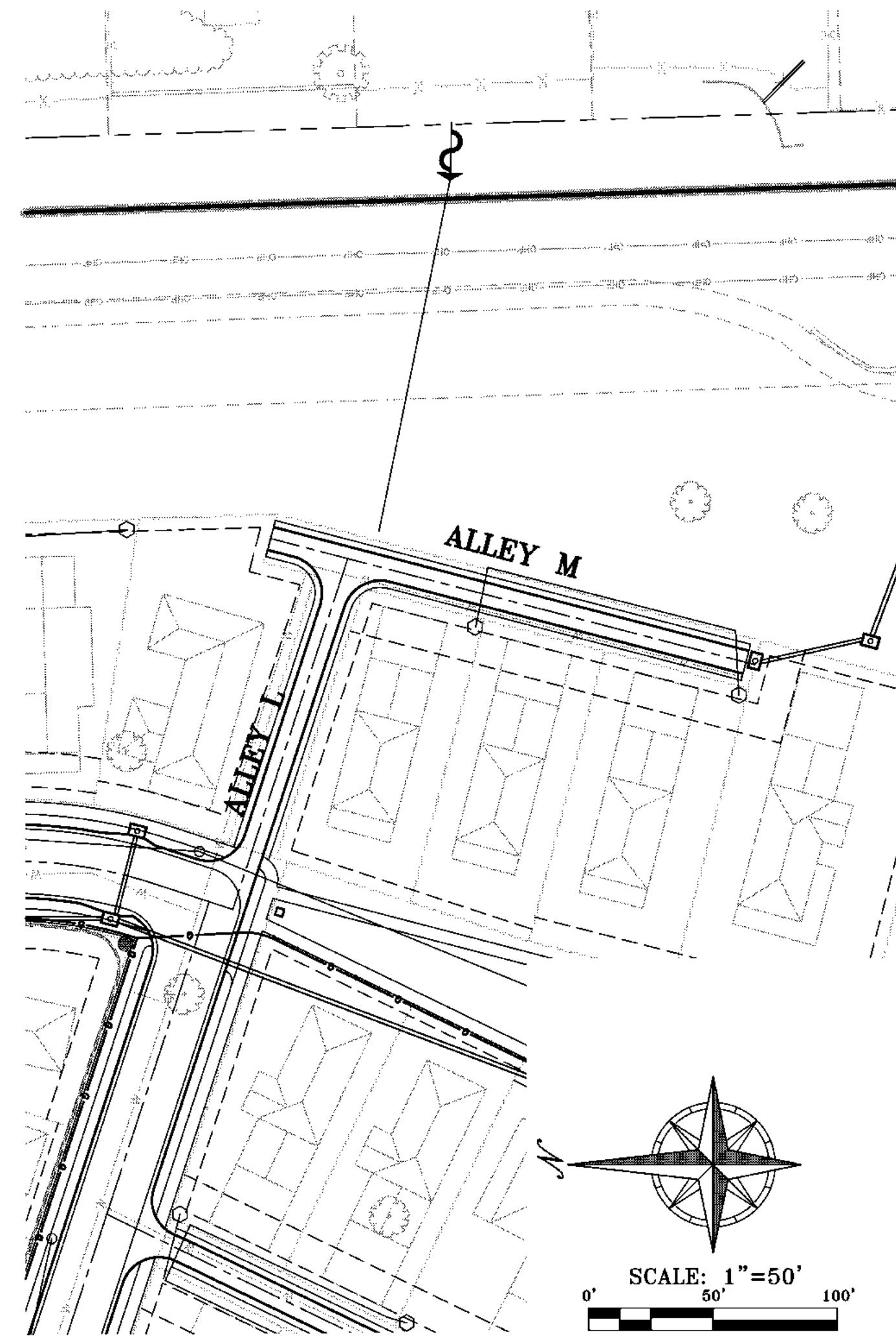
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STREET PLAN & PROFILE
MEADOWBROOK PARK
PRAIRIE VILLAGE, KANSAS
FINAL DEVELOPMENT PLANS

PROJECT NO.	160008	No.	Date
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DRAWN:	MRR		
DESIGNED:	DEU		
CHECKED:			
APPROVED:			

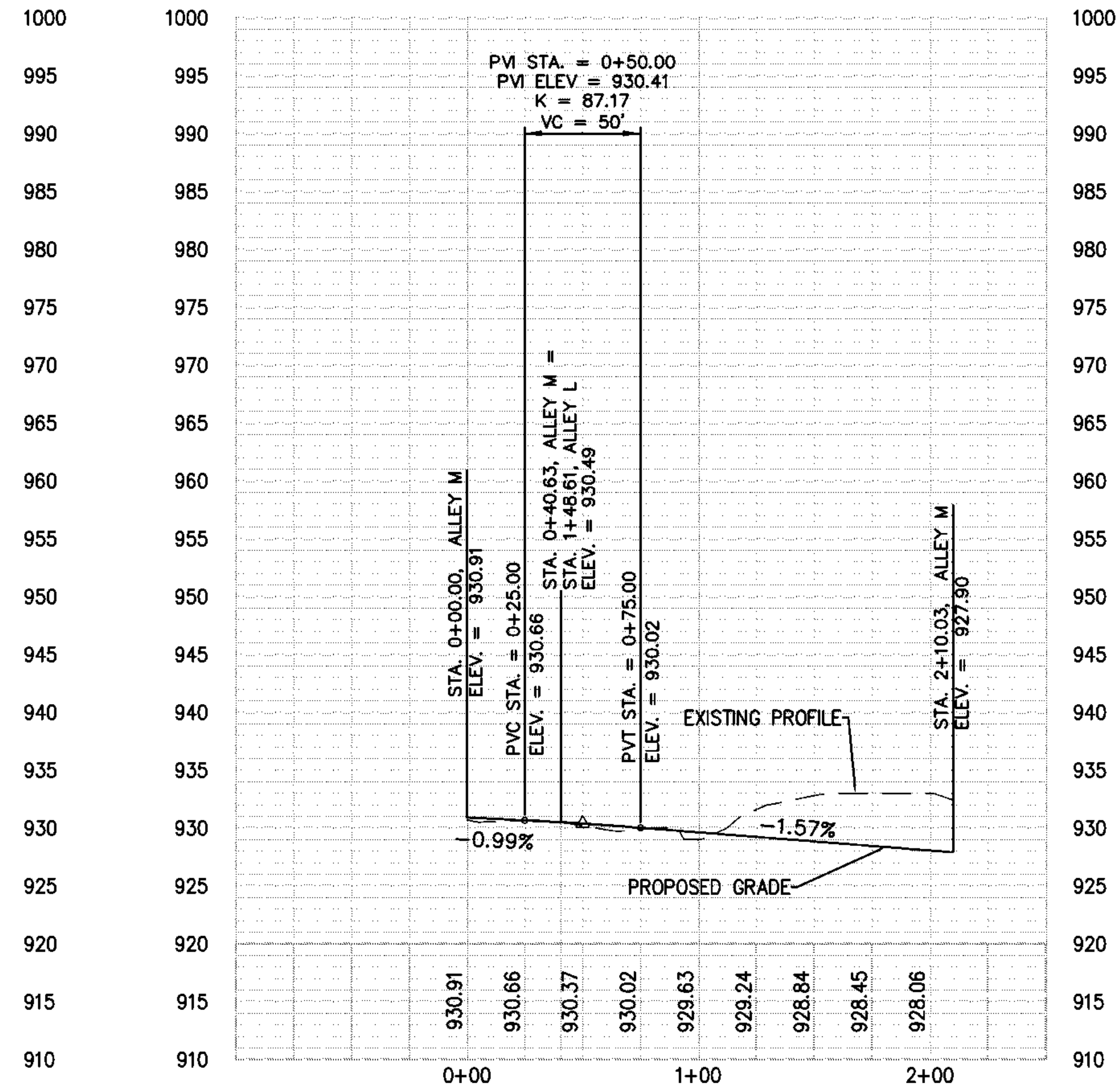
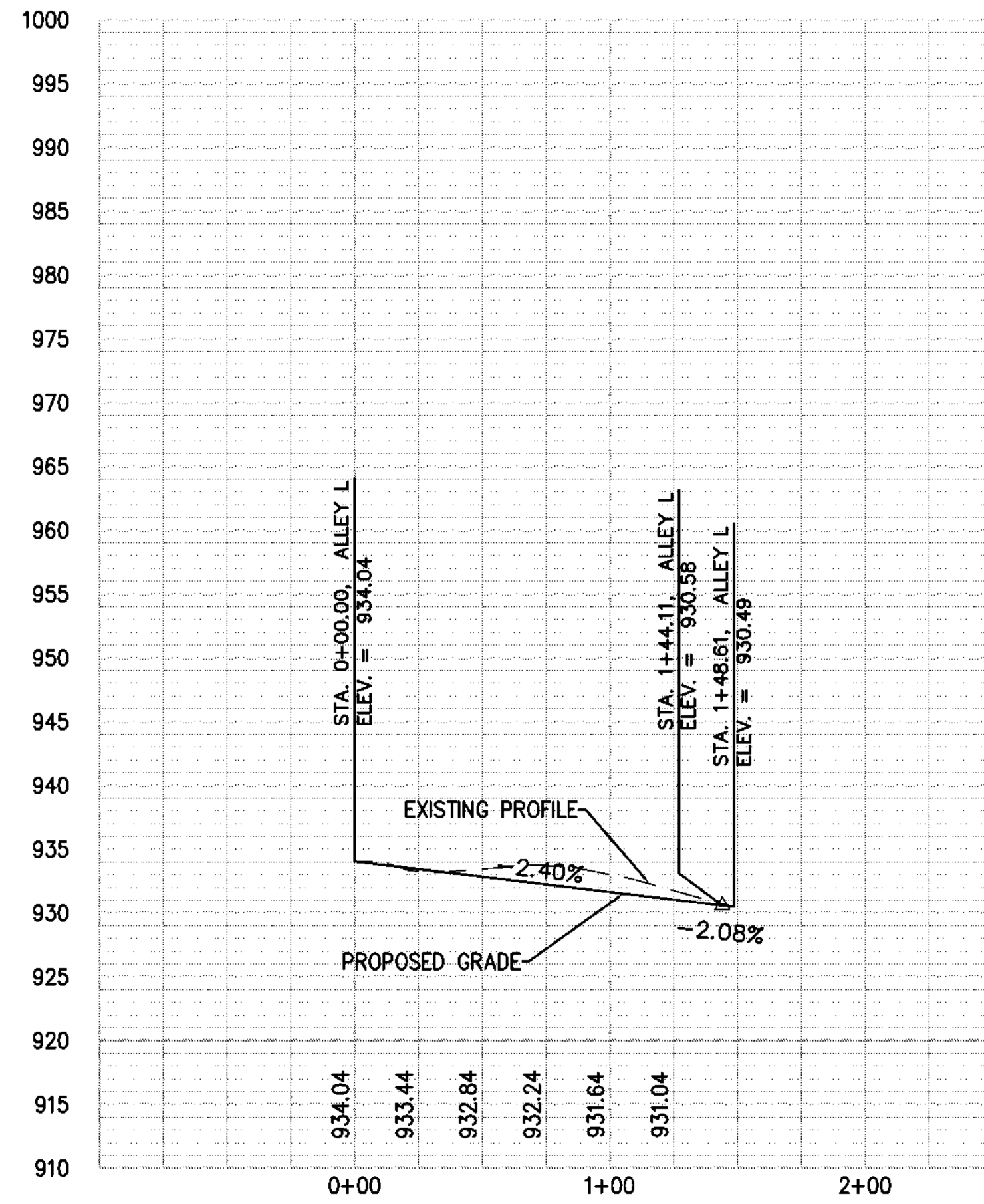
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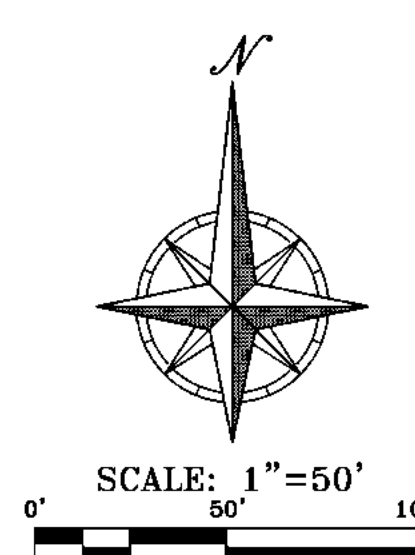
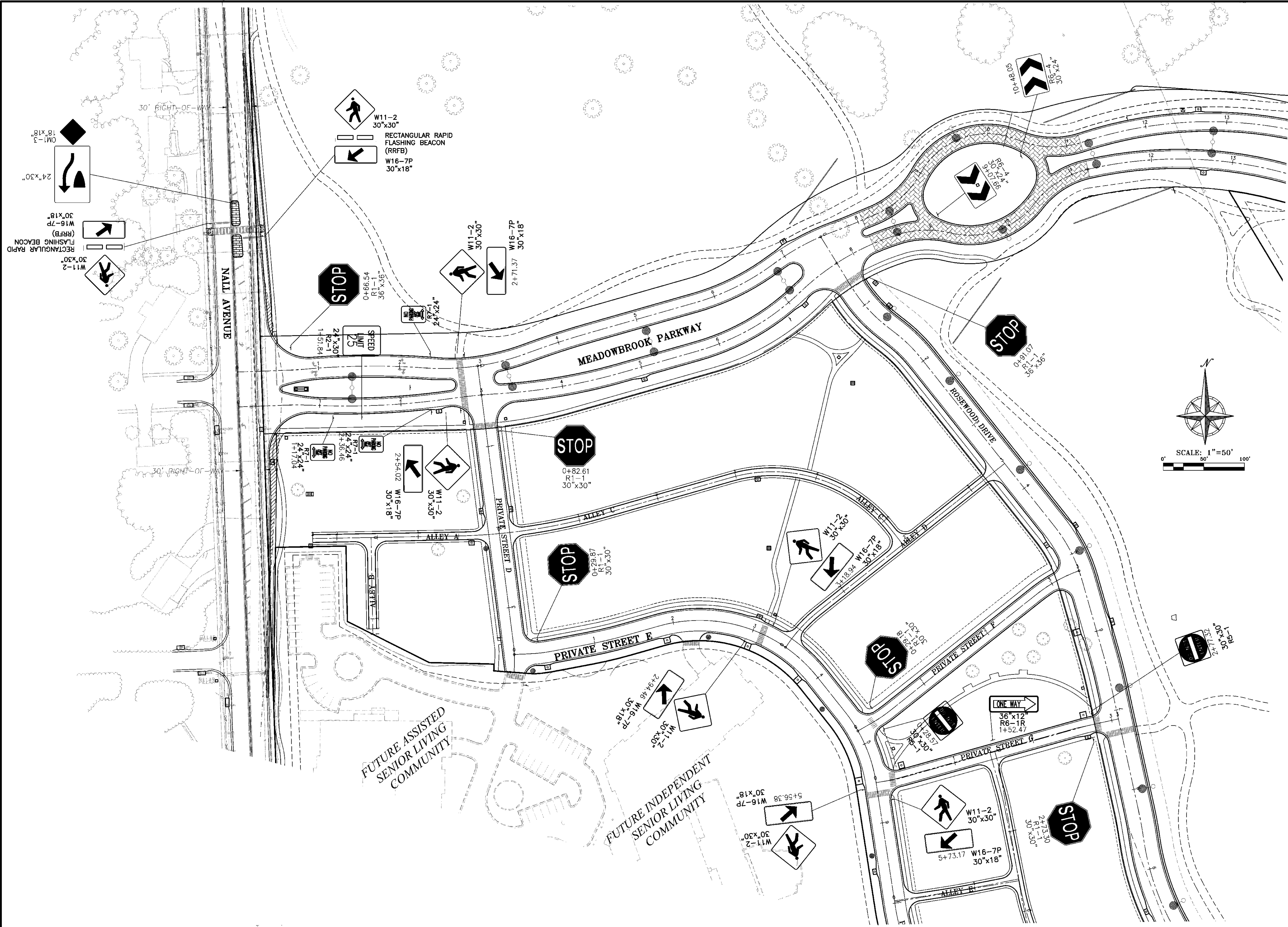
ALLEY L

SCALE: 1"=50' HORIZ.
1"=10' VERT.

ALLEY M



PROJECT NO.	160008	No.	Date
DATE:	03-04-16		
DRAWN:	MRR		
DESIGNED:	DEU		
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PEI

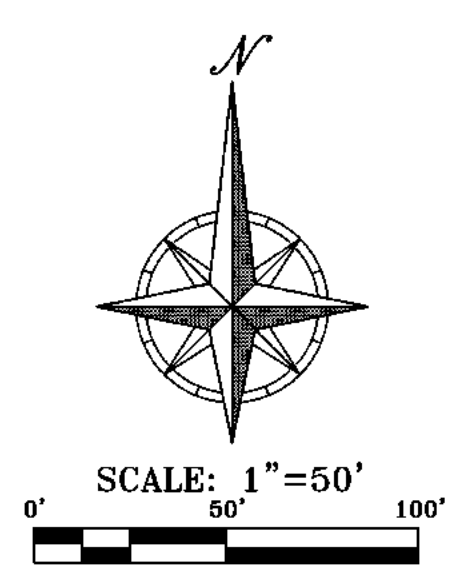
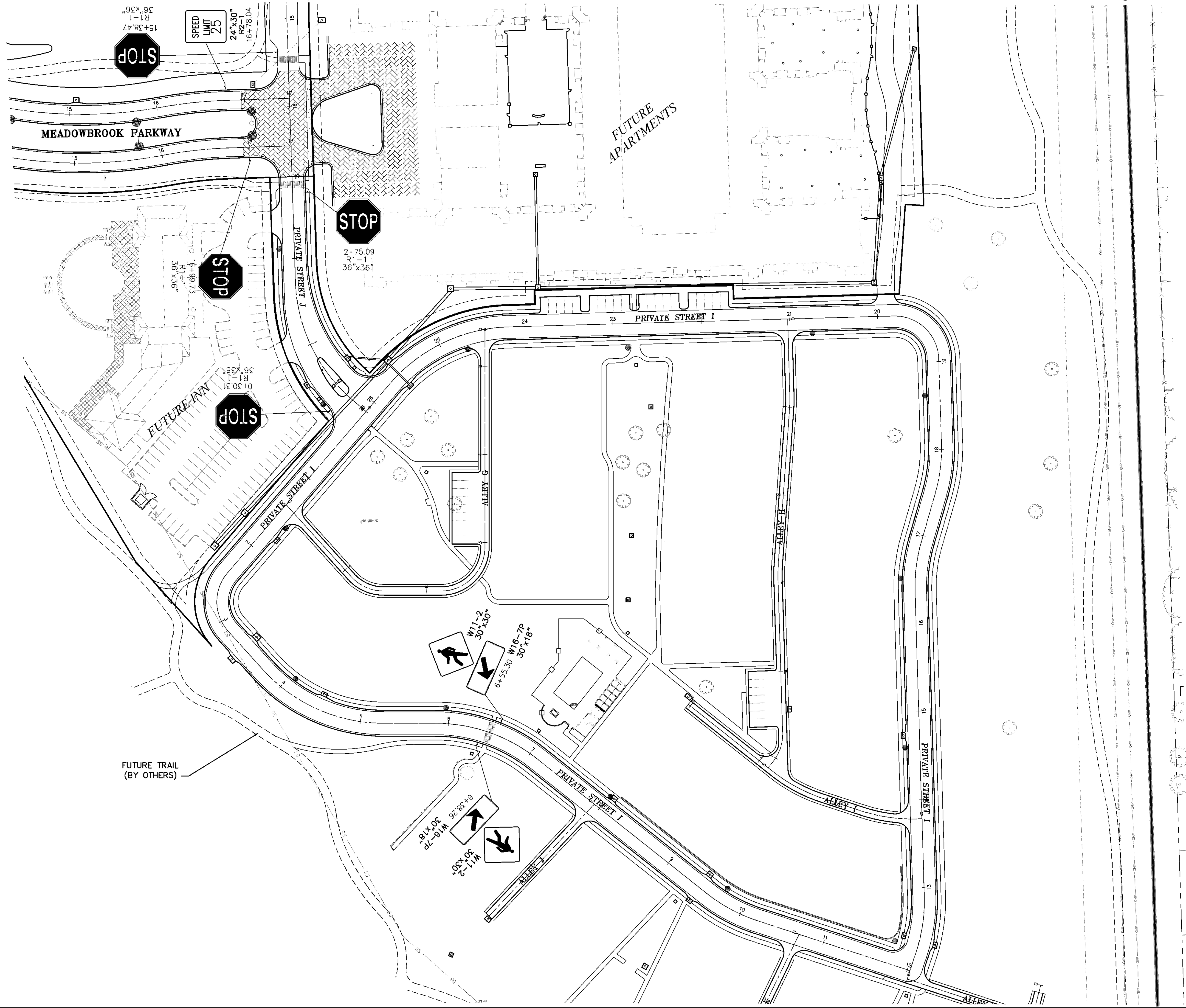
SIGNAGE PLAN – WEST RESIDENTIAL LOTS
MEADOWBROOK PARK
 PRAIRIE VILLAGE, KANSAS
 FINAL DEVELOPMENT PLANS

PROJECT NO.	160008	No.	Date
DATE:	03-04-16		
DRAWN:	MRR		
DESIGNED:	DCU		
CHECKED:			
APPROVED:			

Revisions:

By	App.

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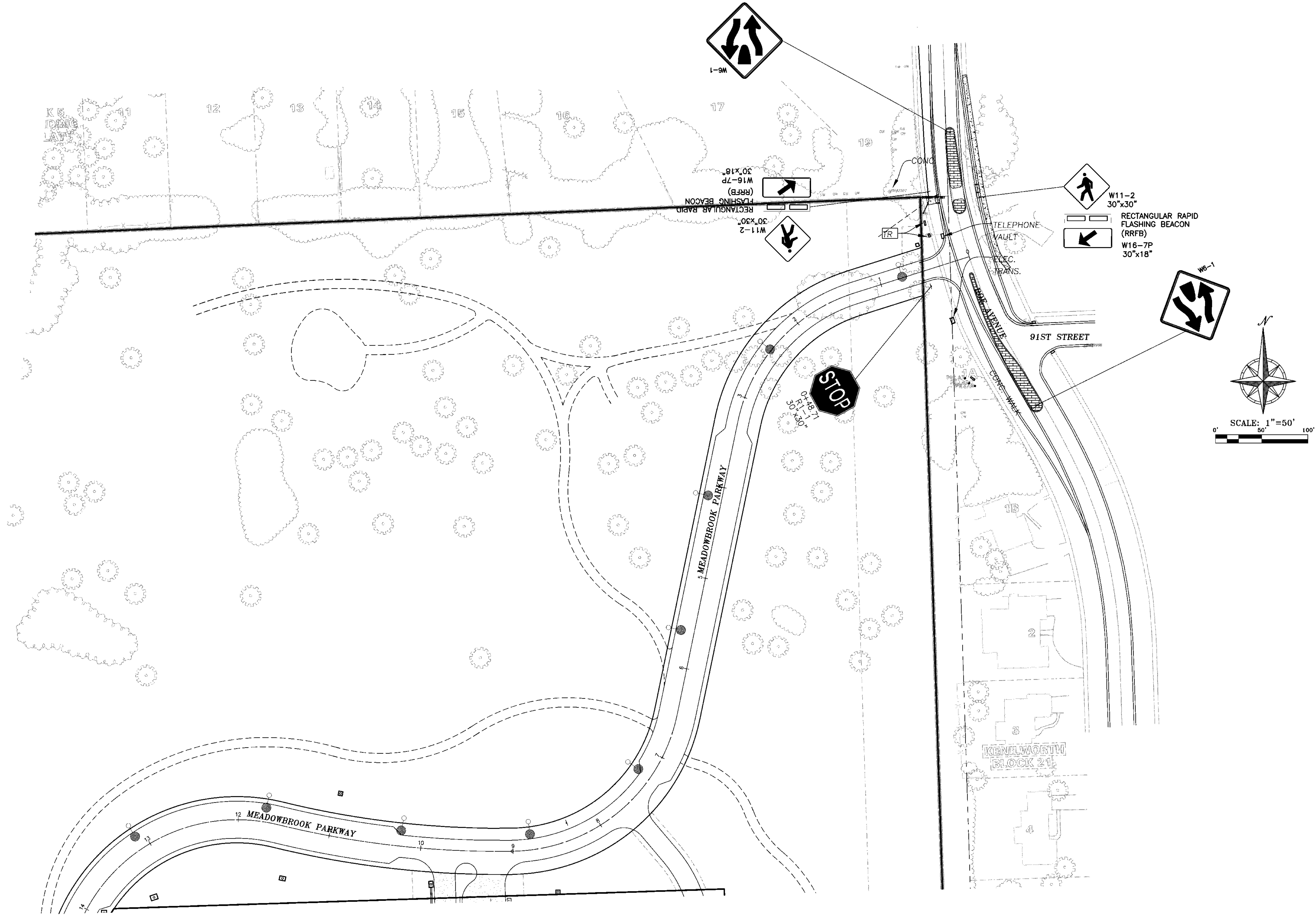


PROJECT NO.	160008	No.	Date	Revisions:	By	App.
DATE:	03-04-16					
DRAWN:	MRR					
DESIGNED:	DEU					
CHECKED:						
APPROVED:						

SIGNAGE PLAN – EAST RESIDENTIAL LOTS
MEADOWBROOK PARK
 PRAIRIE VILLAGE, KANSAS
 FINAL DEVELOPMENT PLANS

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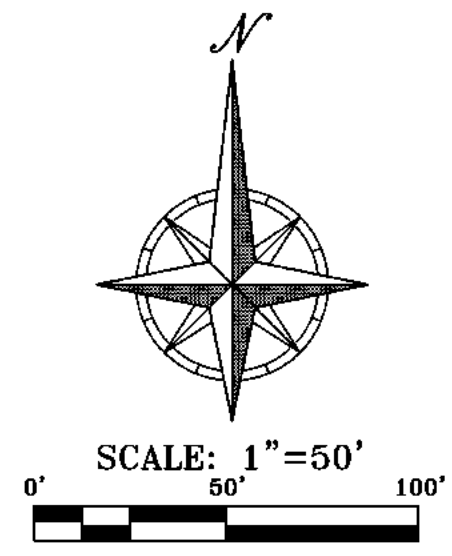
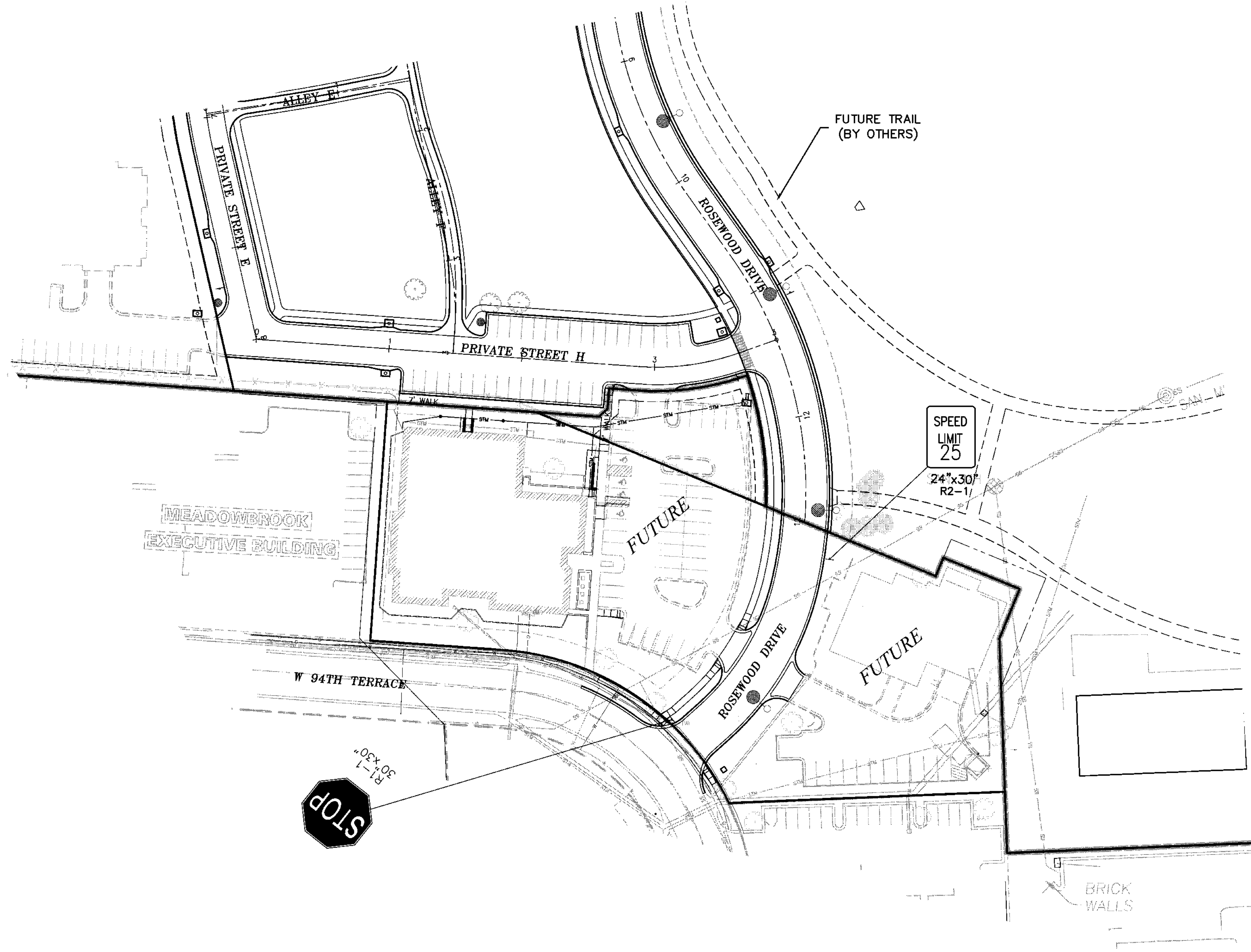
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SIGNAGE PLAN -
MEADOWBROOK PARKWAY EAST
MEADOWBROOK PARK
 PRAIRIE VILLAGE, KANSAS
 FINAL DEVELOPMENT PLANS

PROJECT NO.	160008	No.	Date	By	App.
DATE:	03-04-16				
DRAWN:	MFR				
DESIGNED:	DEU				
CHECKED:					
APPROVED:					

C4.22

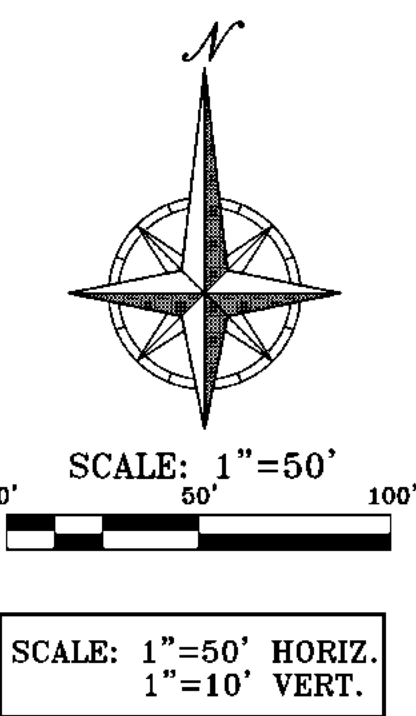
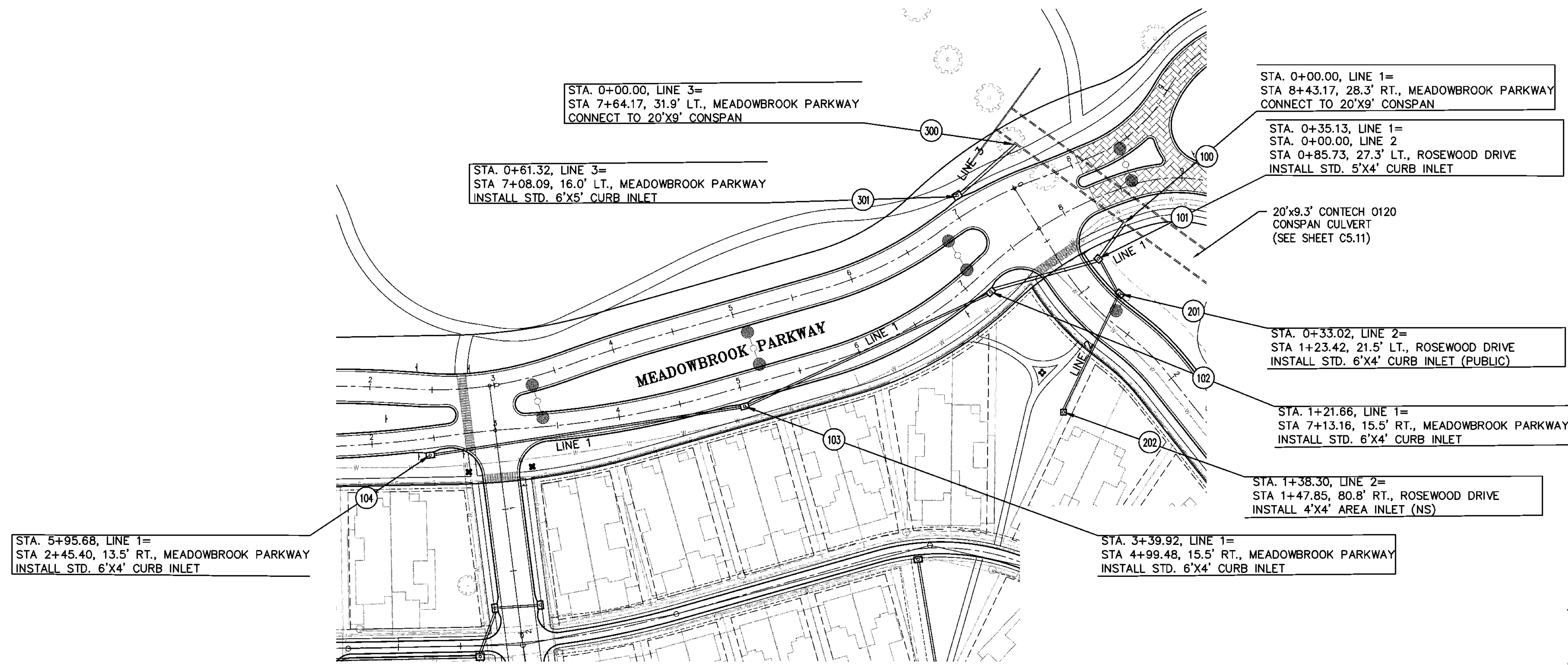


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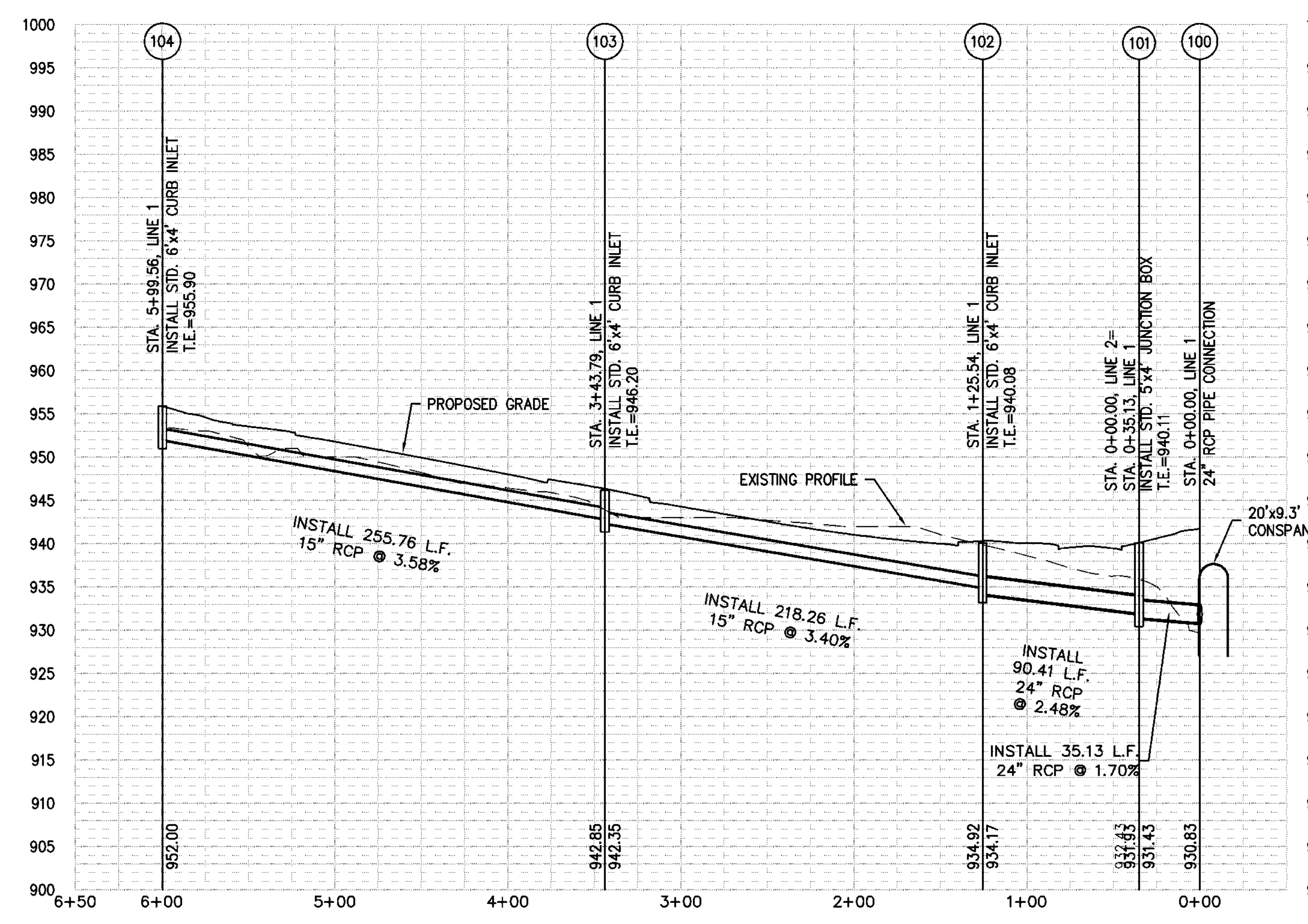
PLANNING
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SIGNAGE PLAN – ROSEWOOD CONNECTION
MEADOWBROOK PARK
 PRAIRIE VILLAGE, KANSAS
 FINAL DEVELOPMENT PLANS

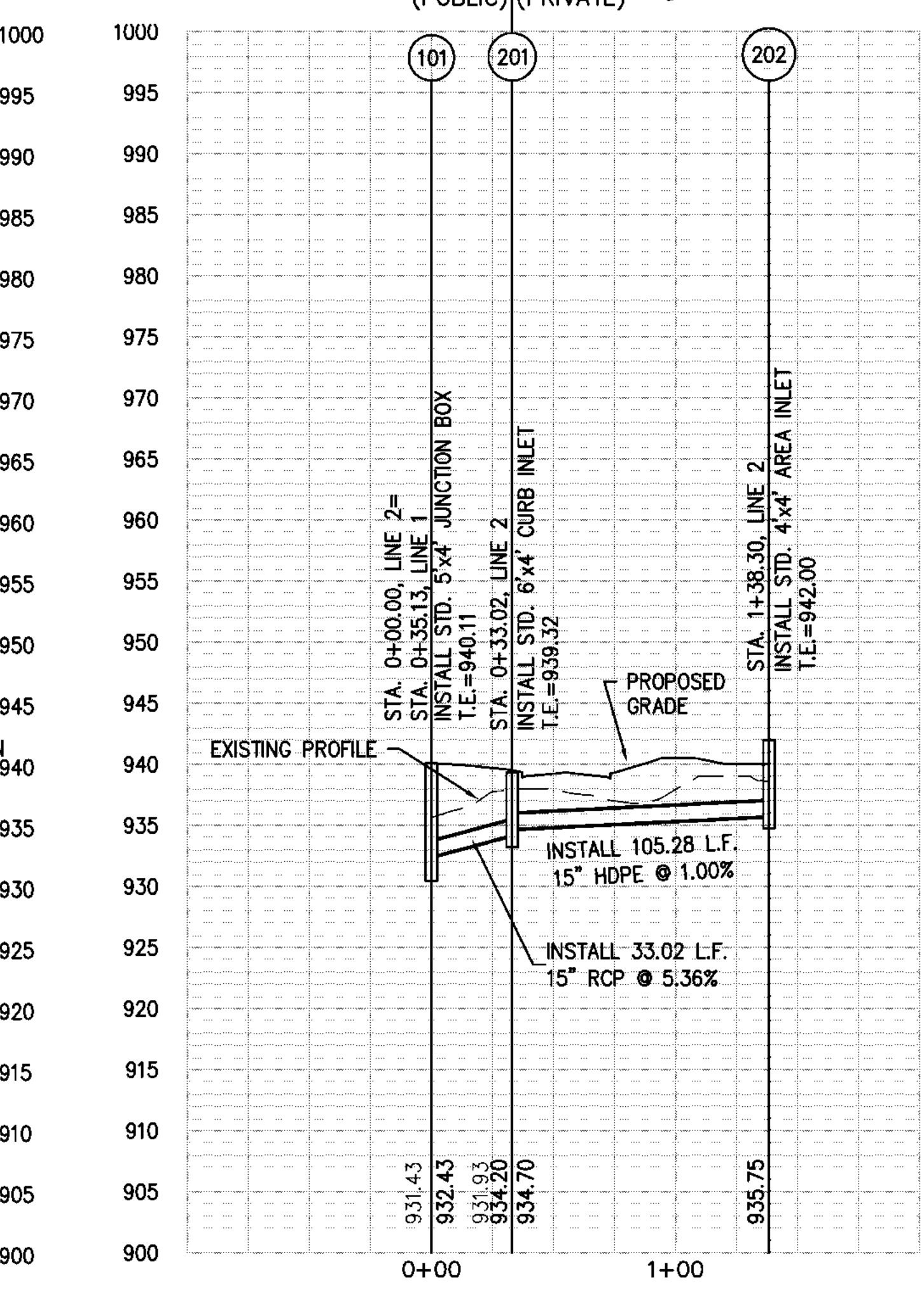
PROJECT NO.	160008	No.	Date	By	App.
DATE:	03-04-16				
DRAWN:	MRR				
DESIGNED:	DEU				
CHECKED:					
APPROVED:					



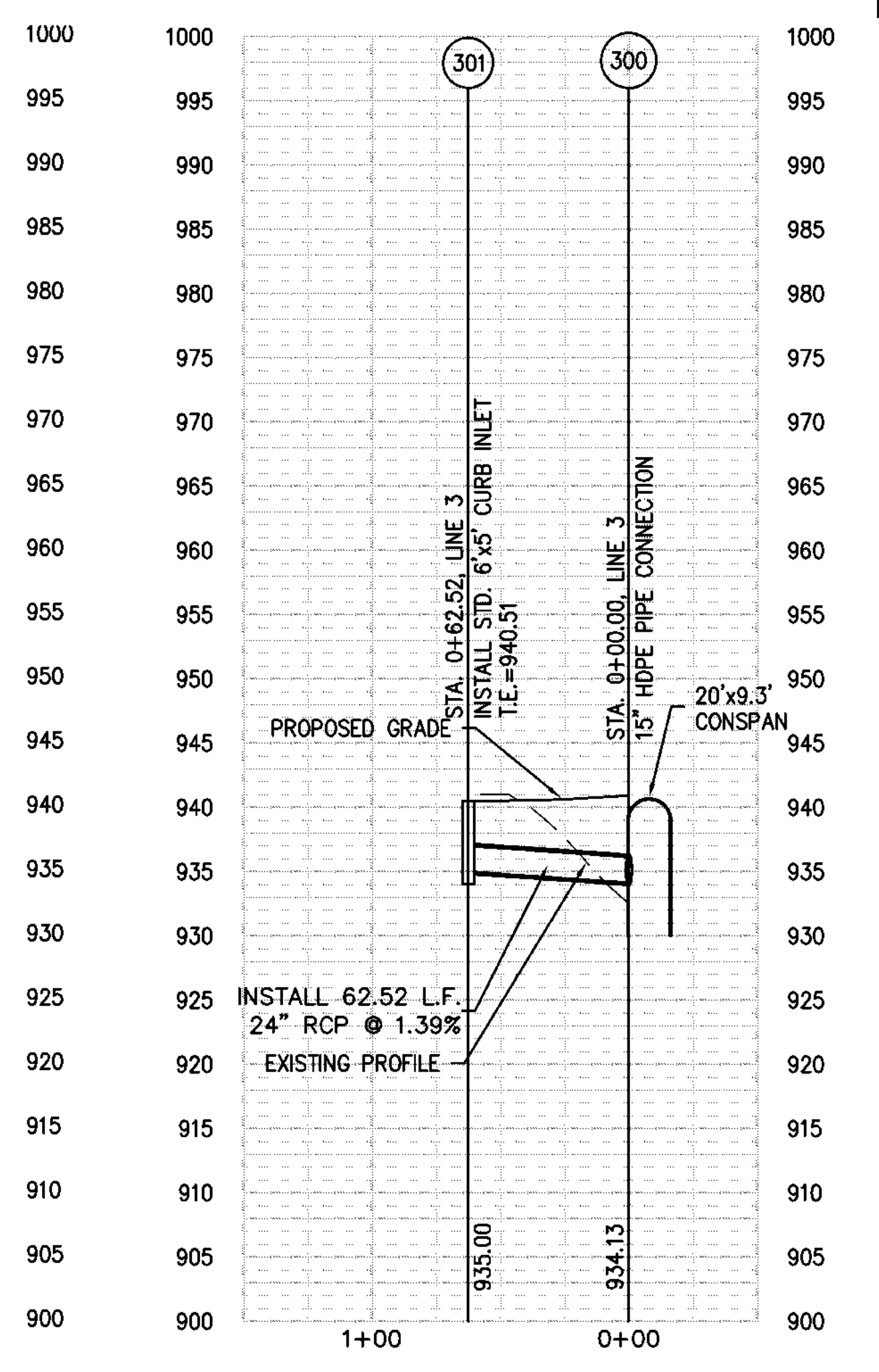
LINE 1



LINE 2



LINE 3



STORM SEWER PLAN & PROFILE
MEADOWBROOK PARK
PRAIRIE VILLAGE, KANSAS
FINAL DEVELOPMENT PLANS

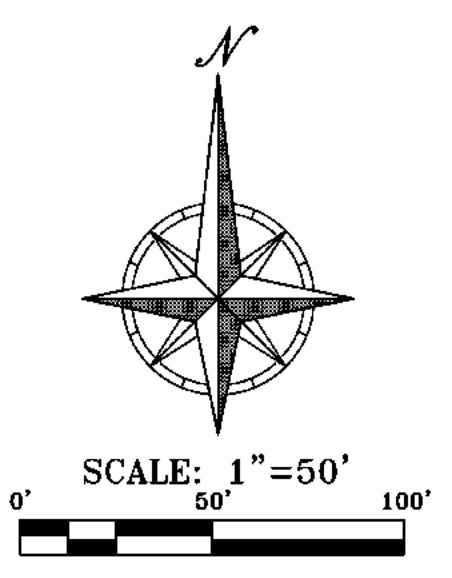
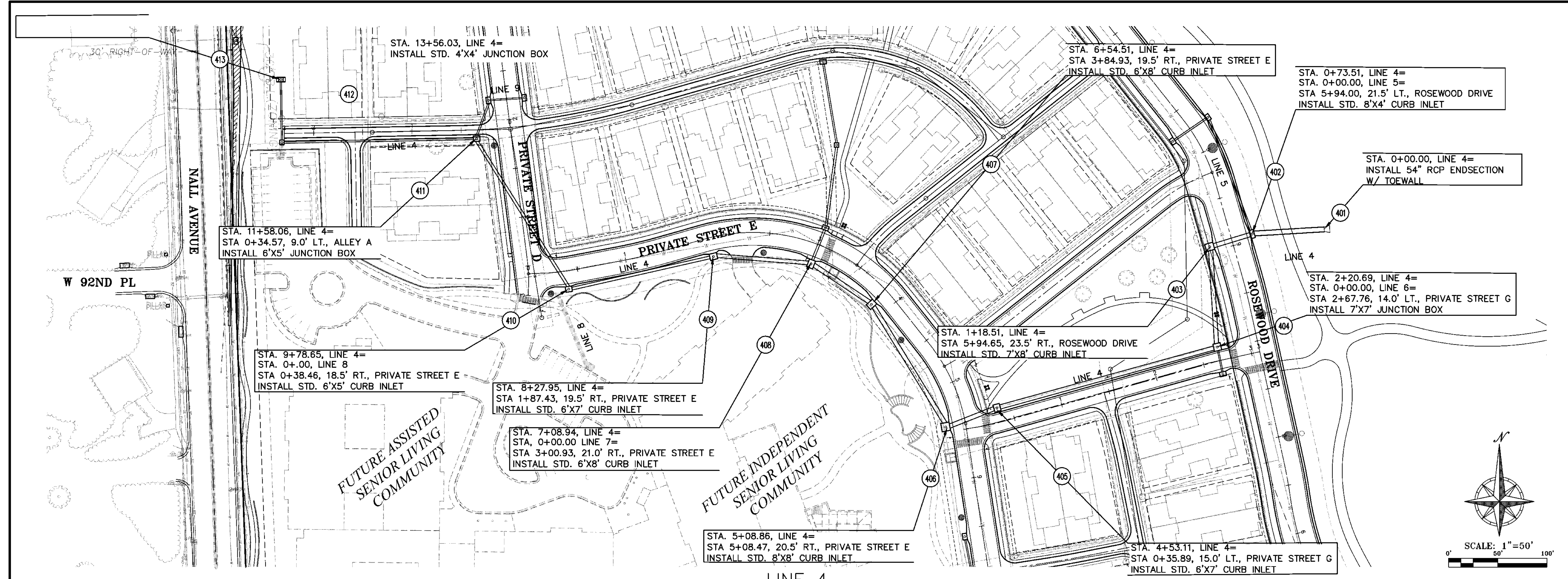
PROJECT NO.	160008	No.	Date	Revisions:
DATE:	03-04-16			
DRAWN:	MRR			
DESIGNED:	DEU			
CHECKED:				
APPROVED:				

C5.1

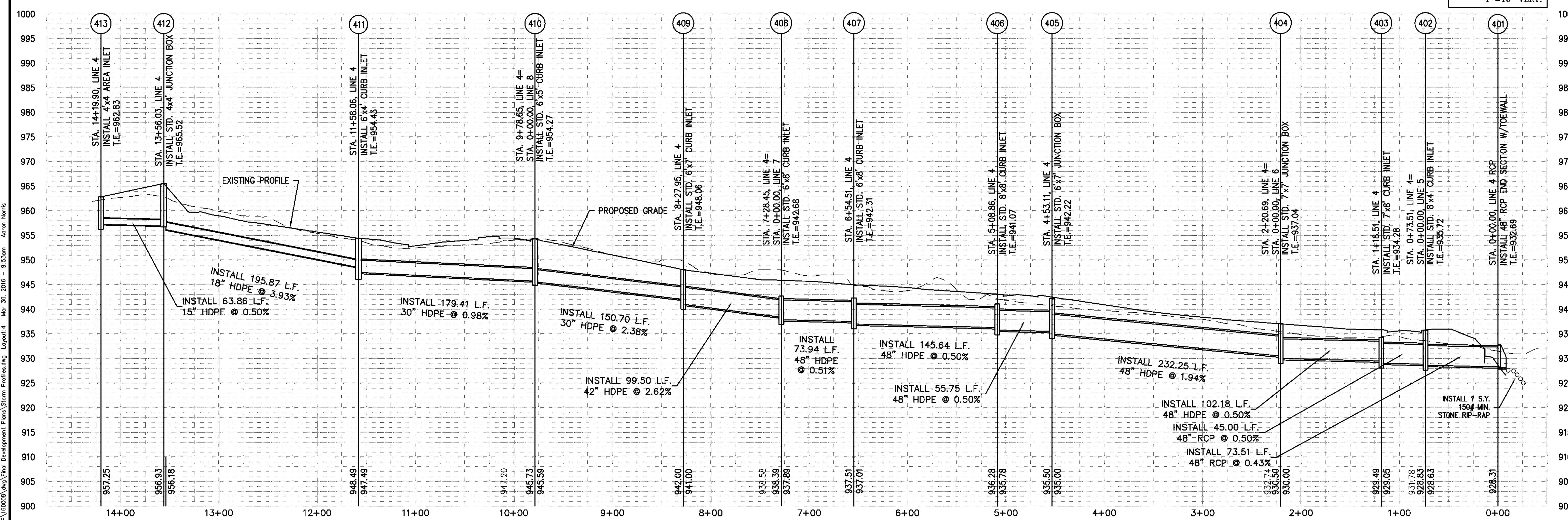
Z:\160008\dwg\Final_Development_Plans\Storm_Profile.dwg Layout:1,2,3 Mar 30, 2016 - 9:53am Aaron Norris

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LINE 4



Z:\1\160008\04\Final Development Plans\Storm Prefabricating Layout-4 Mer 30 2016 - 9:53am Aaron Norris

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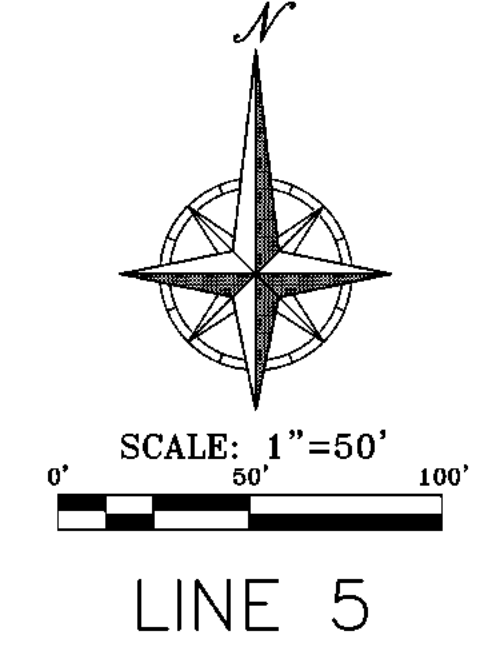
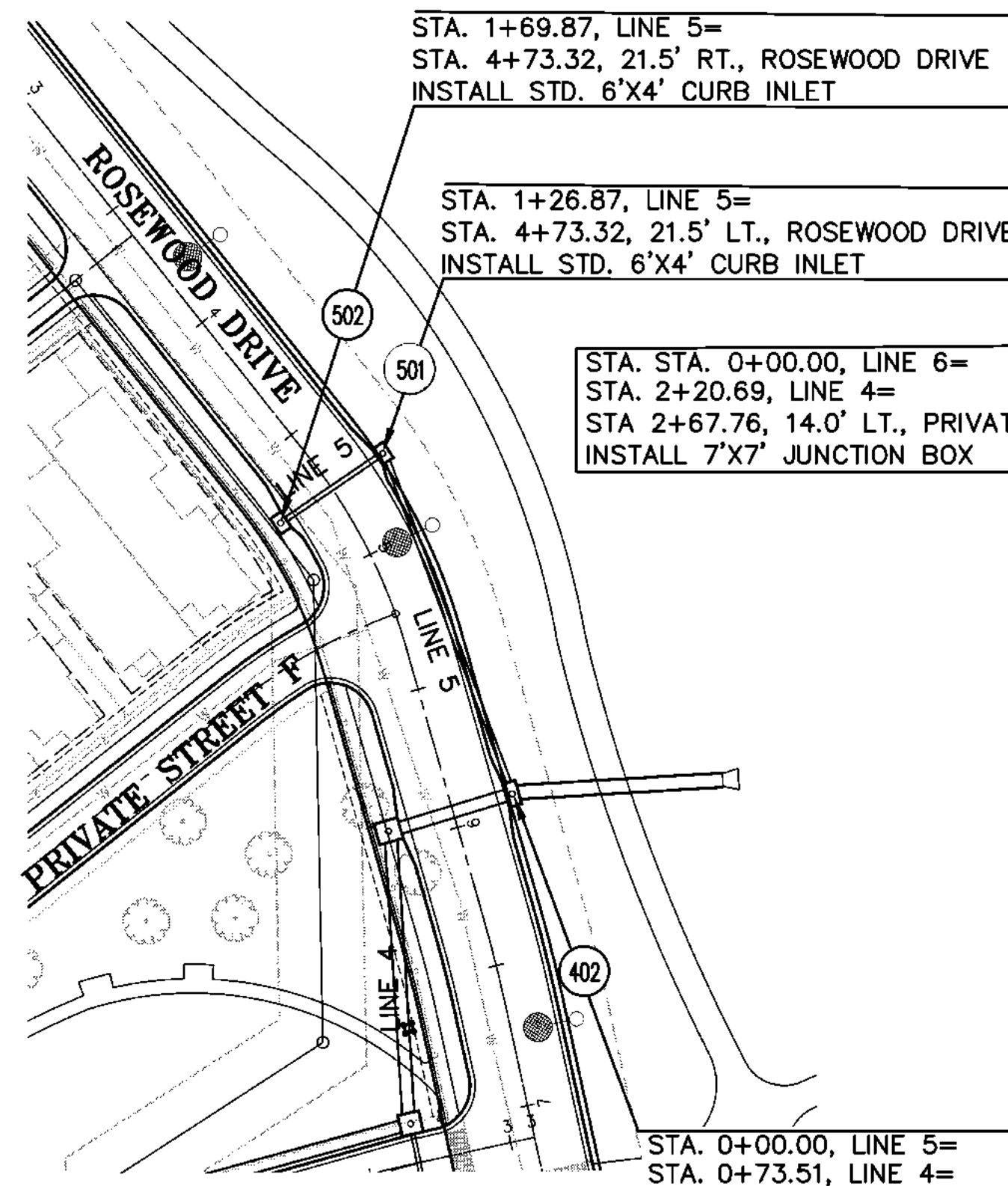
STORM SEWER PLAN & PROFILE

MEADOWBROOK PARK
PRAIRIE VILLAGE, KANSAS
FINAL DEVELOPMENT PLANS

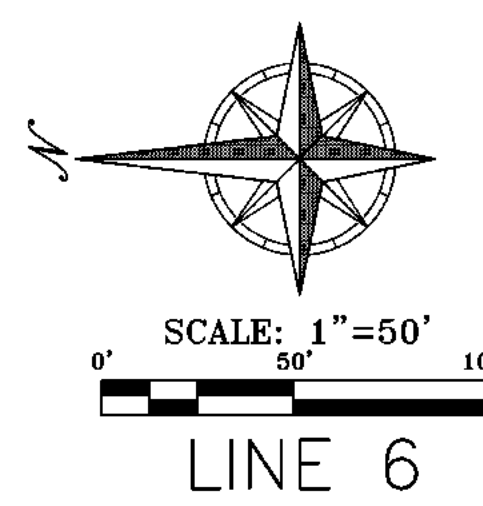
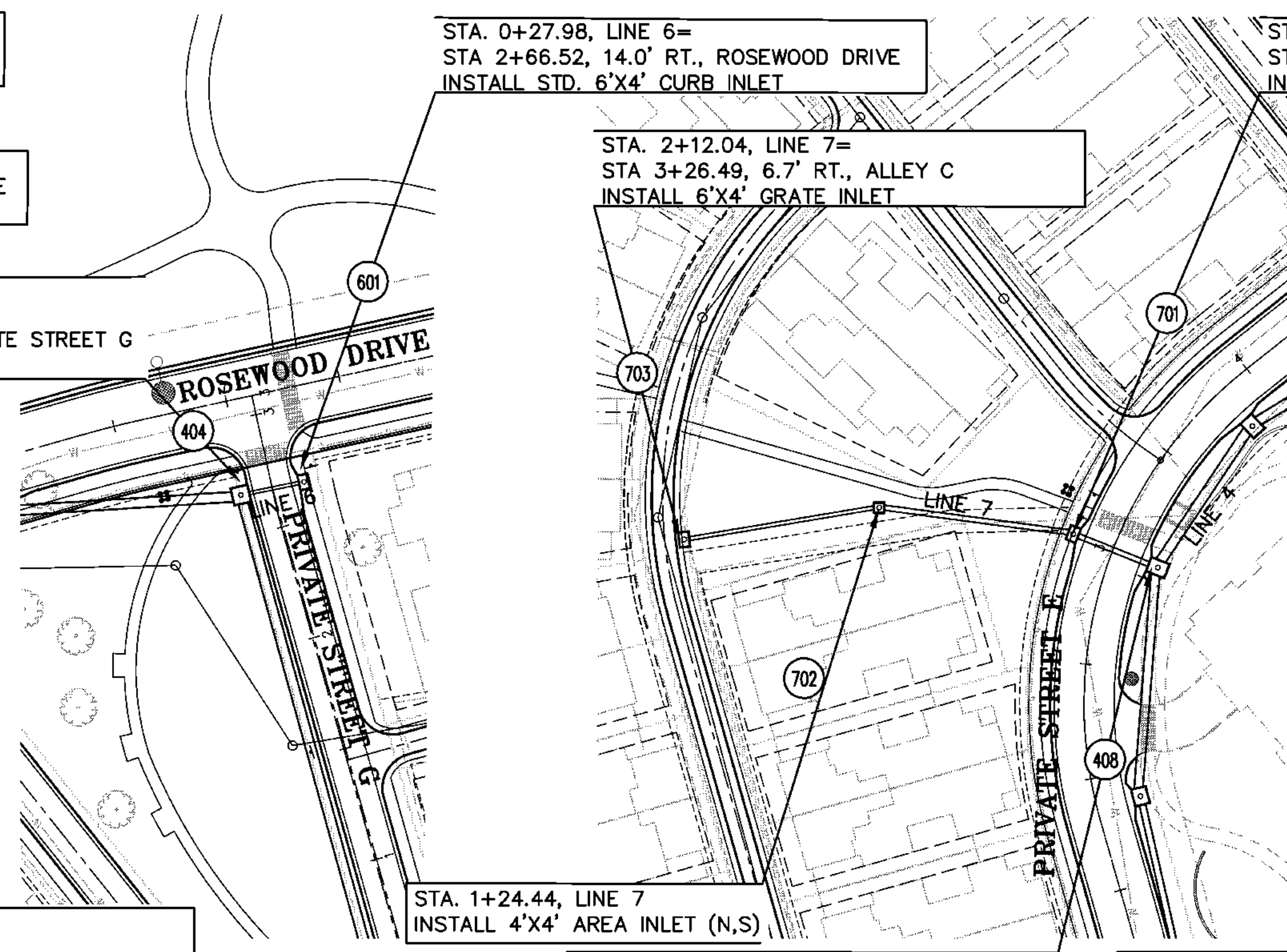
By	App.	Revisions:

PROJECT NO.	DATE	NO.	DATE
160008	03-04-16	1	

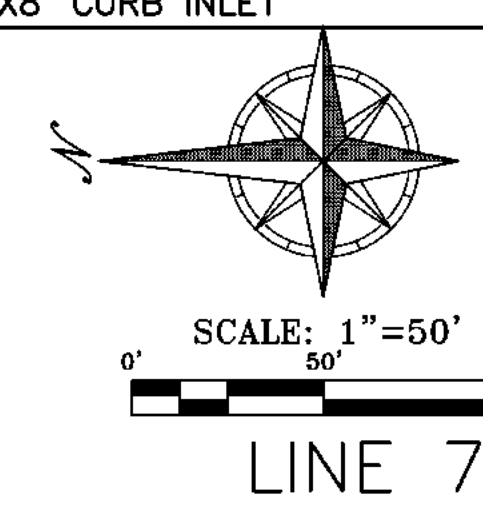
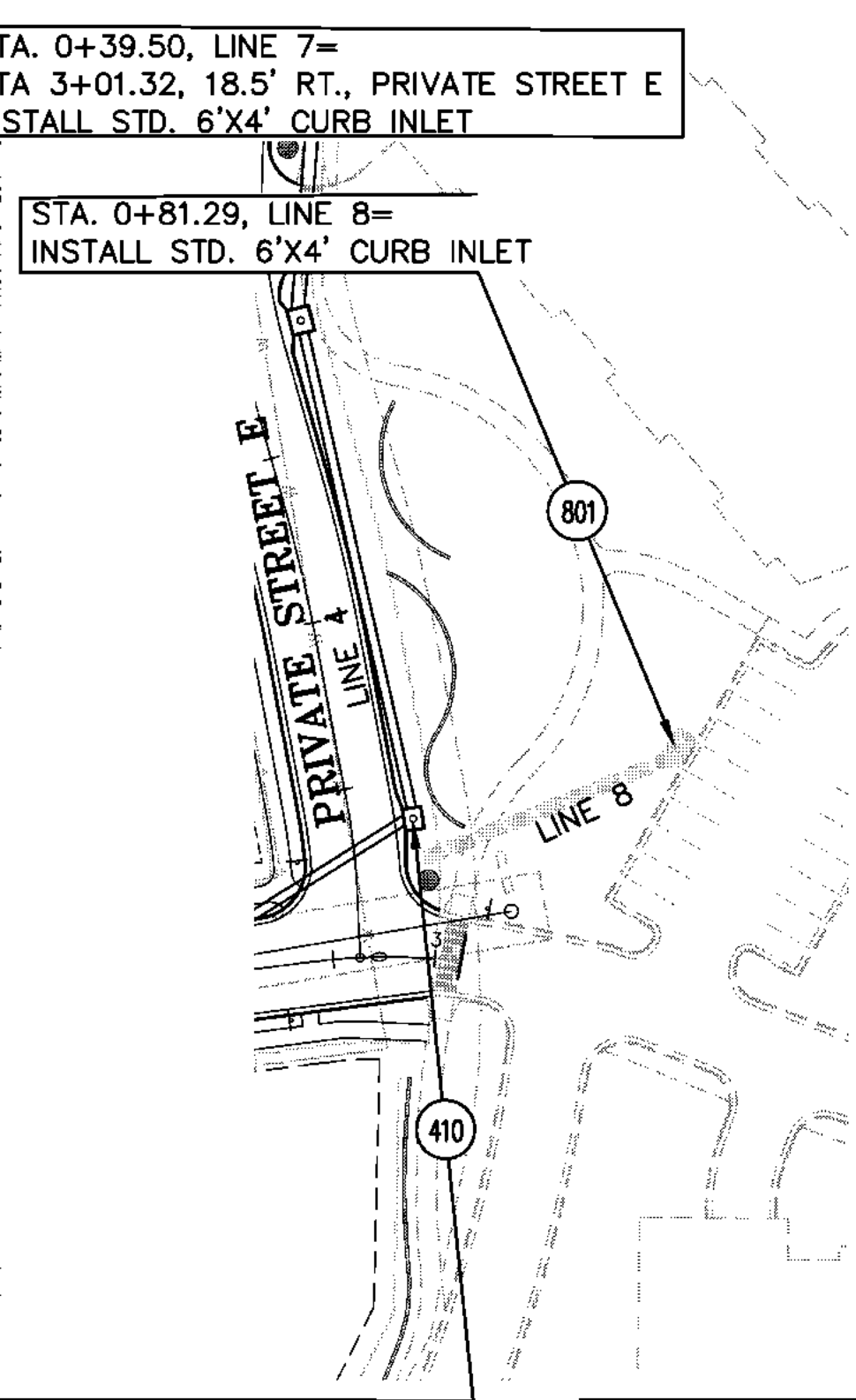
C5.2



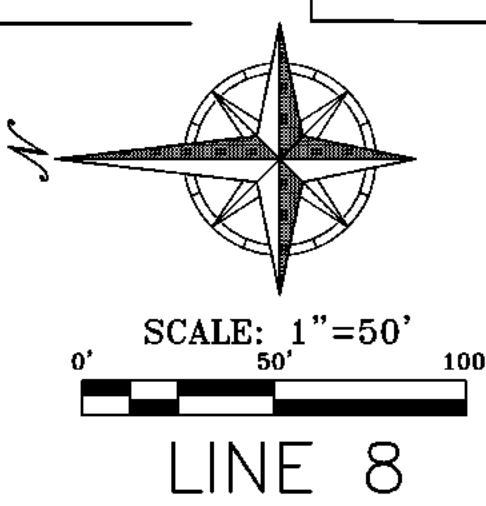
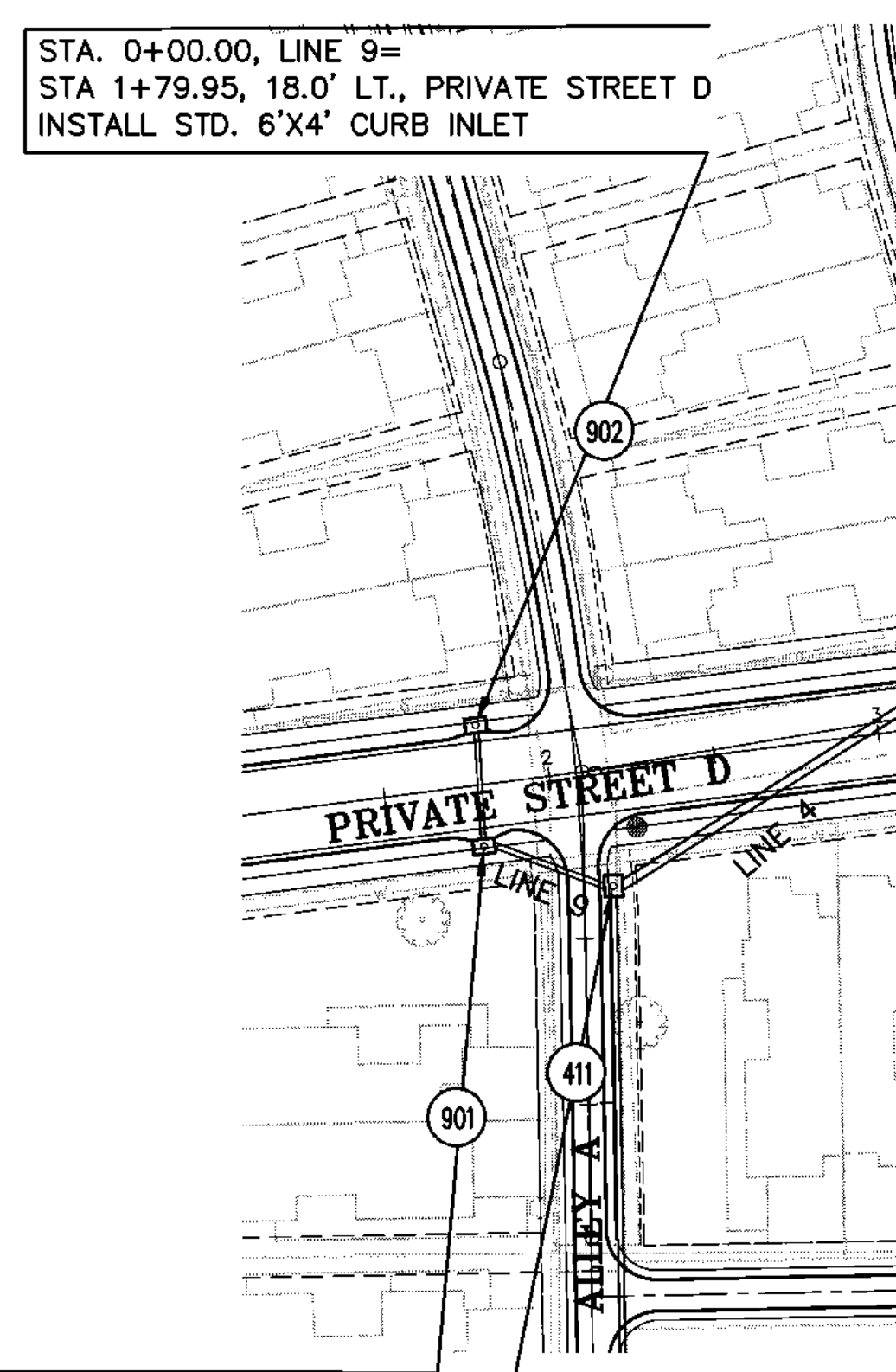
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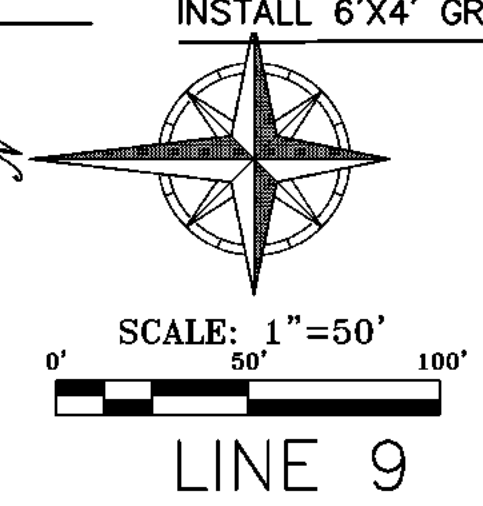
LINE 6



LINE 7

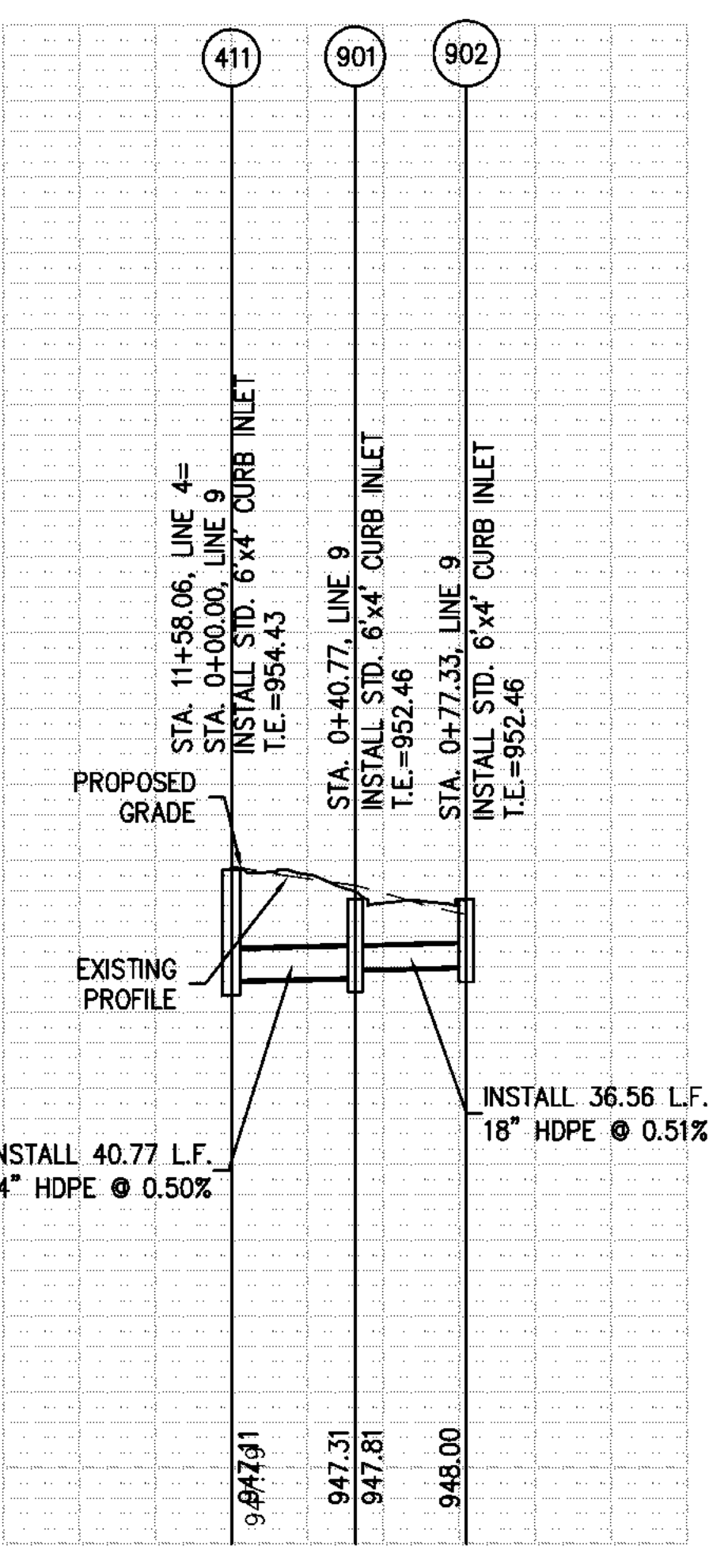
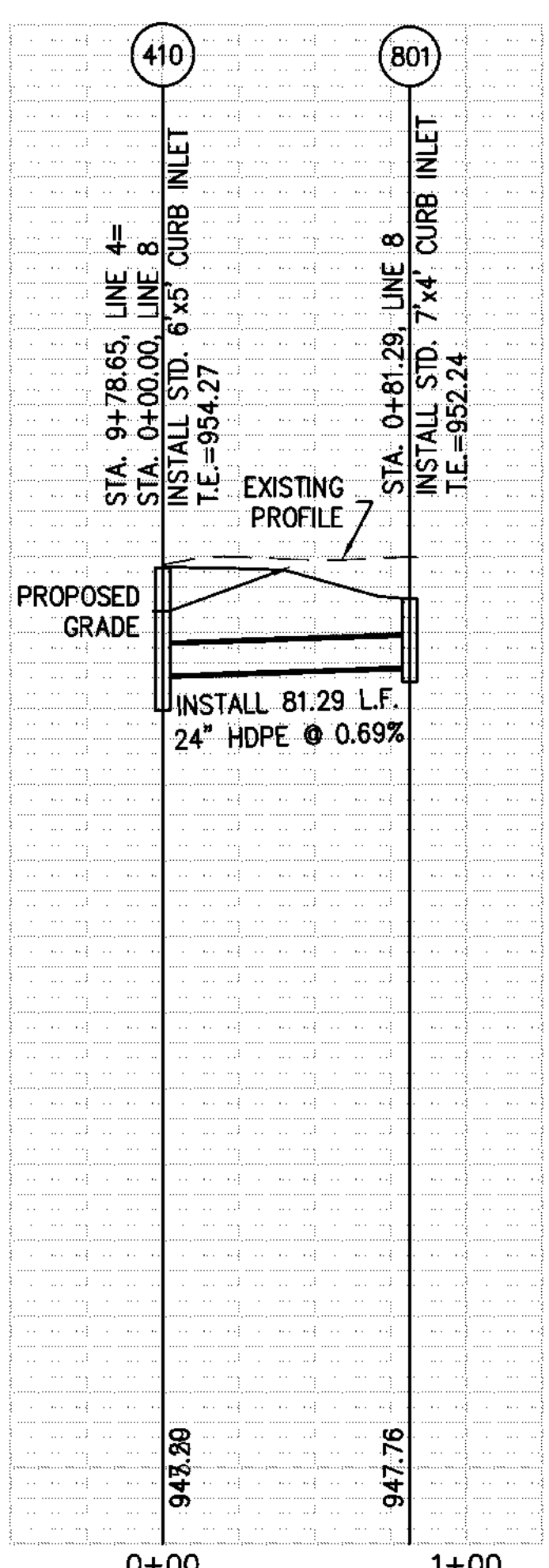
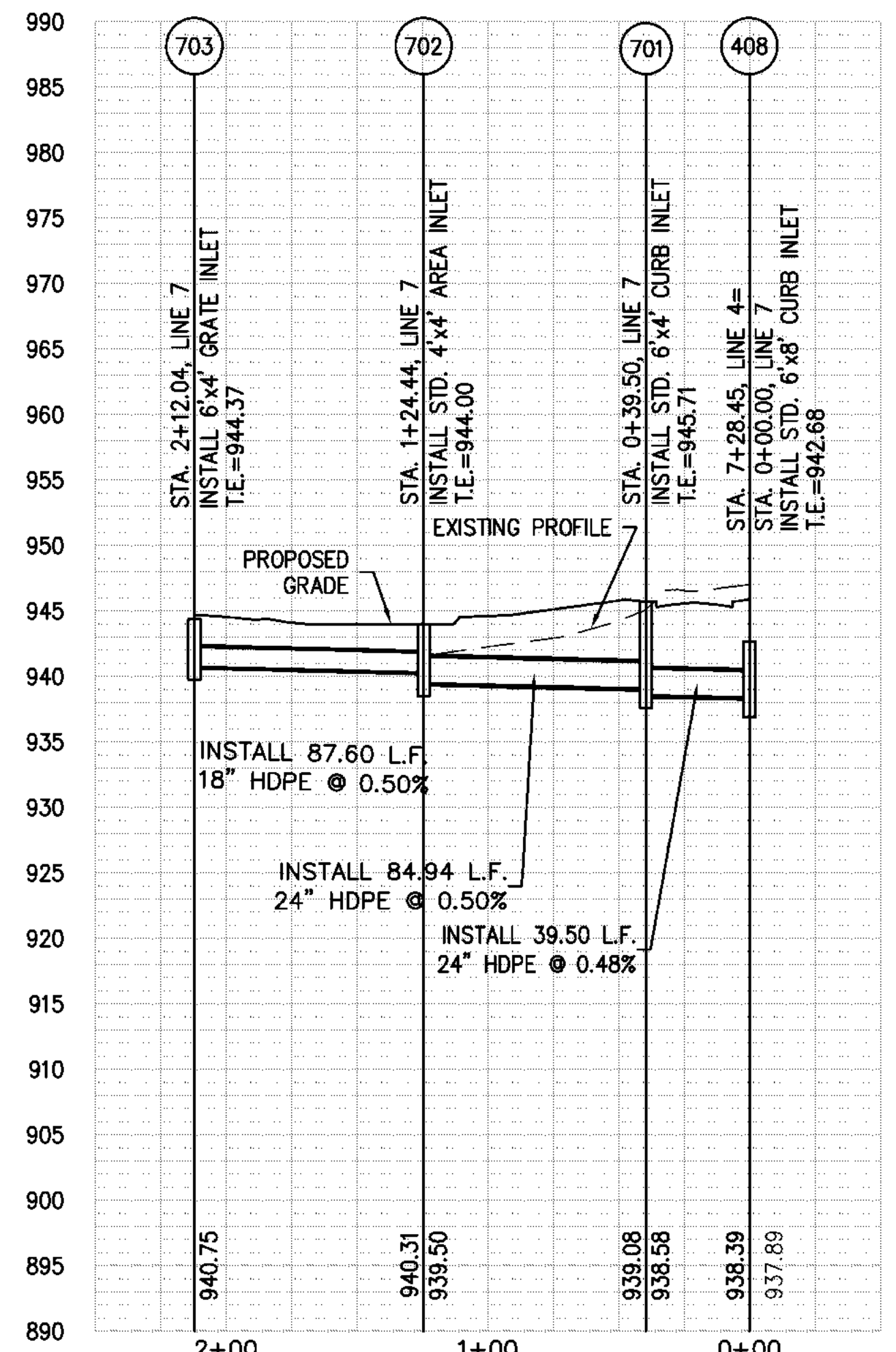
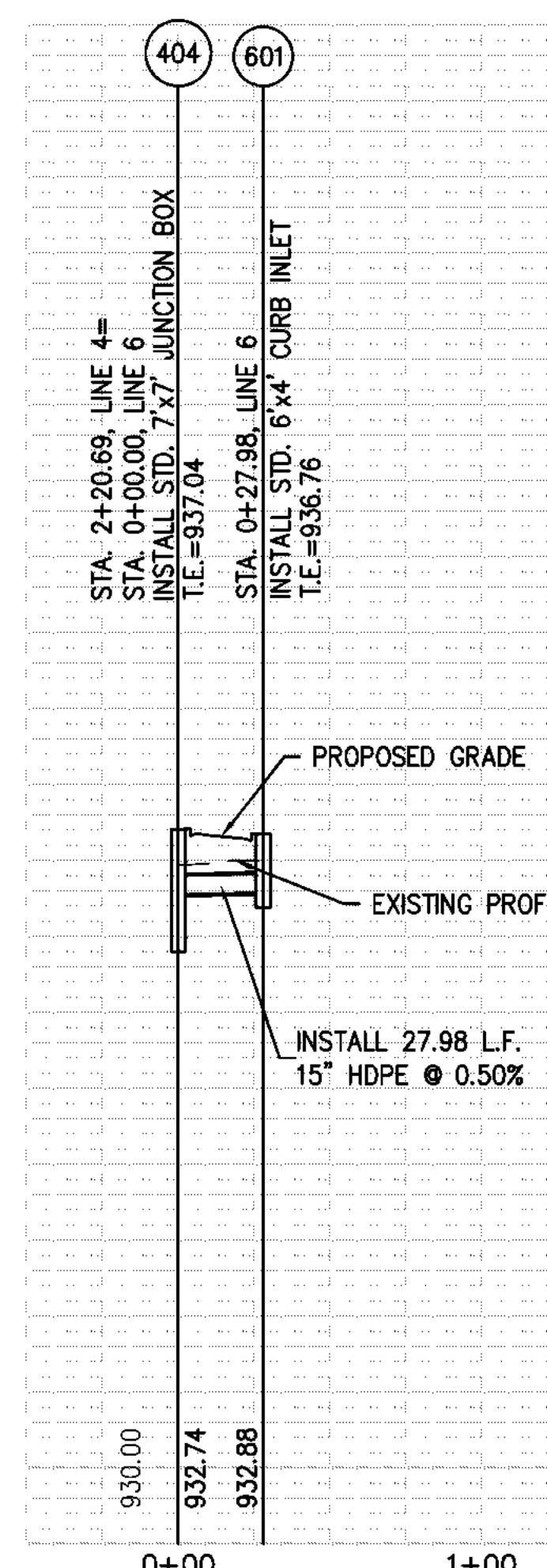
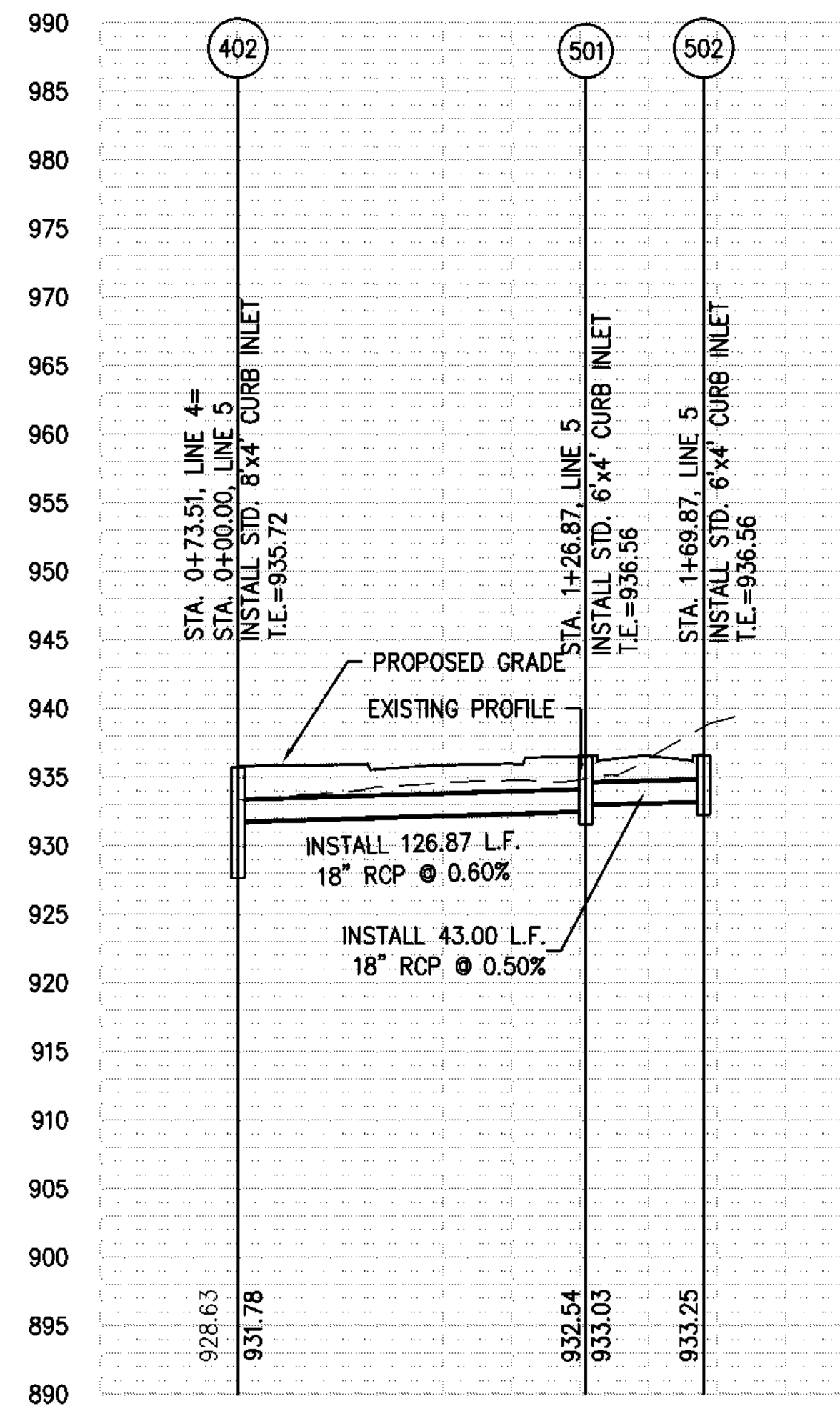


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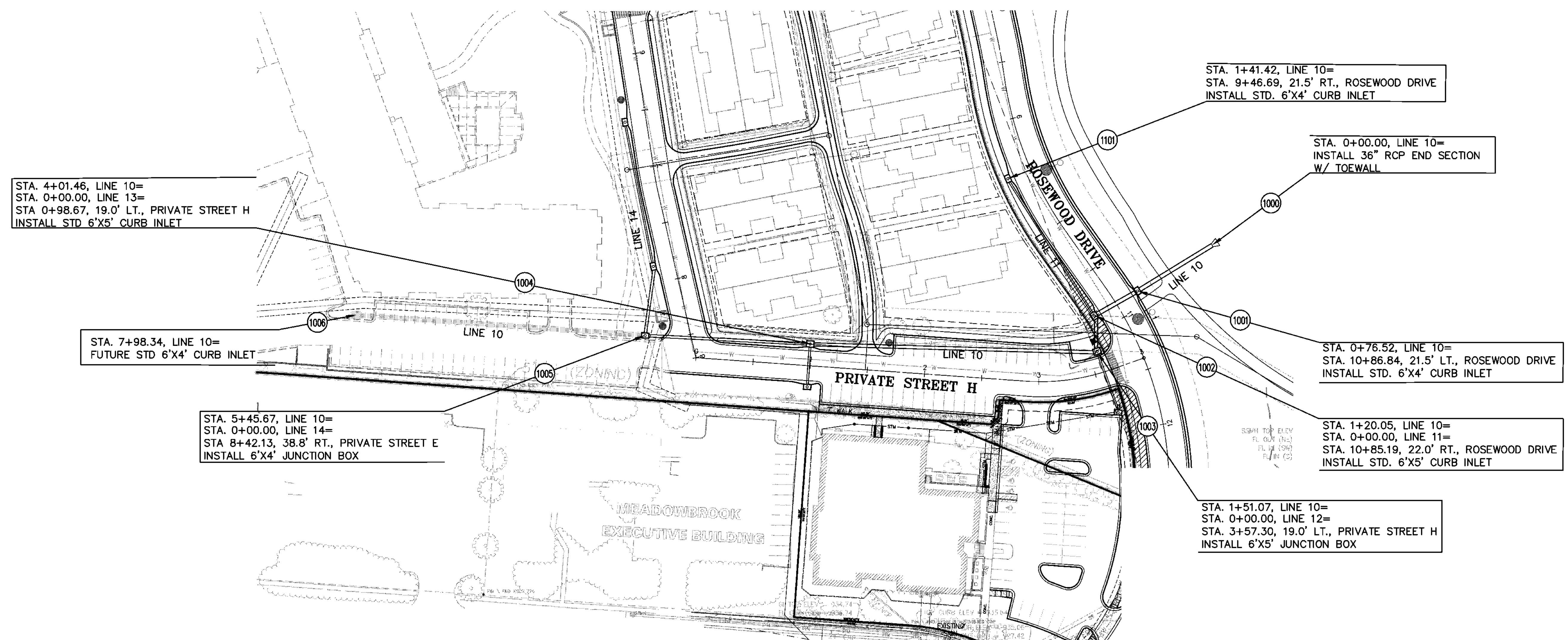


LINE 9

SCALE: 1"=50' HORIZ.
1"=10' VERT.

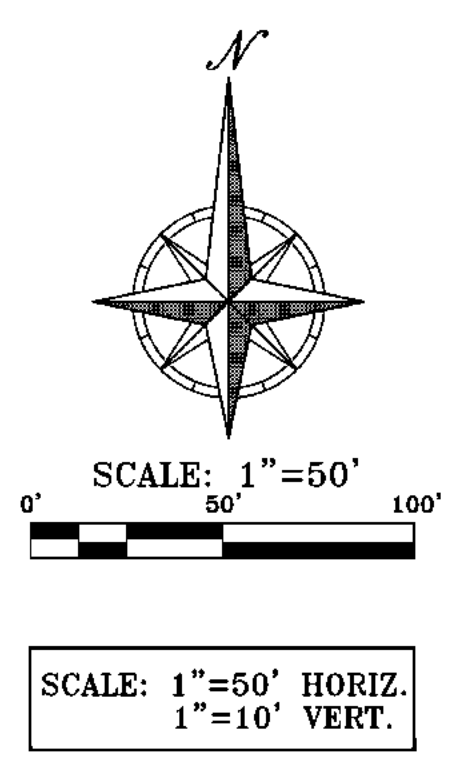
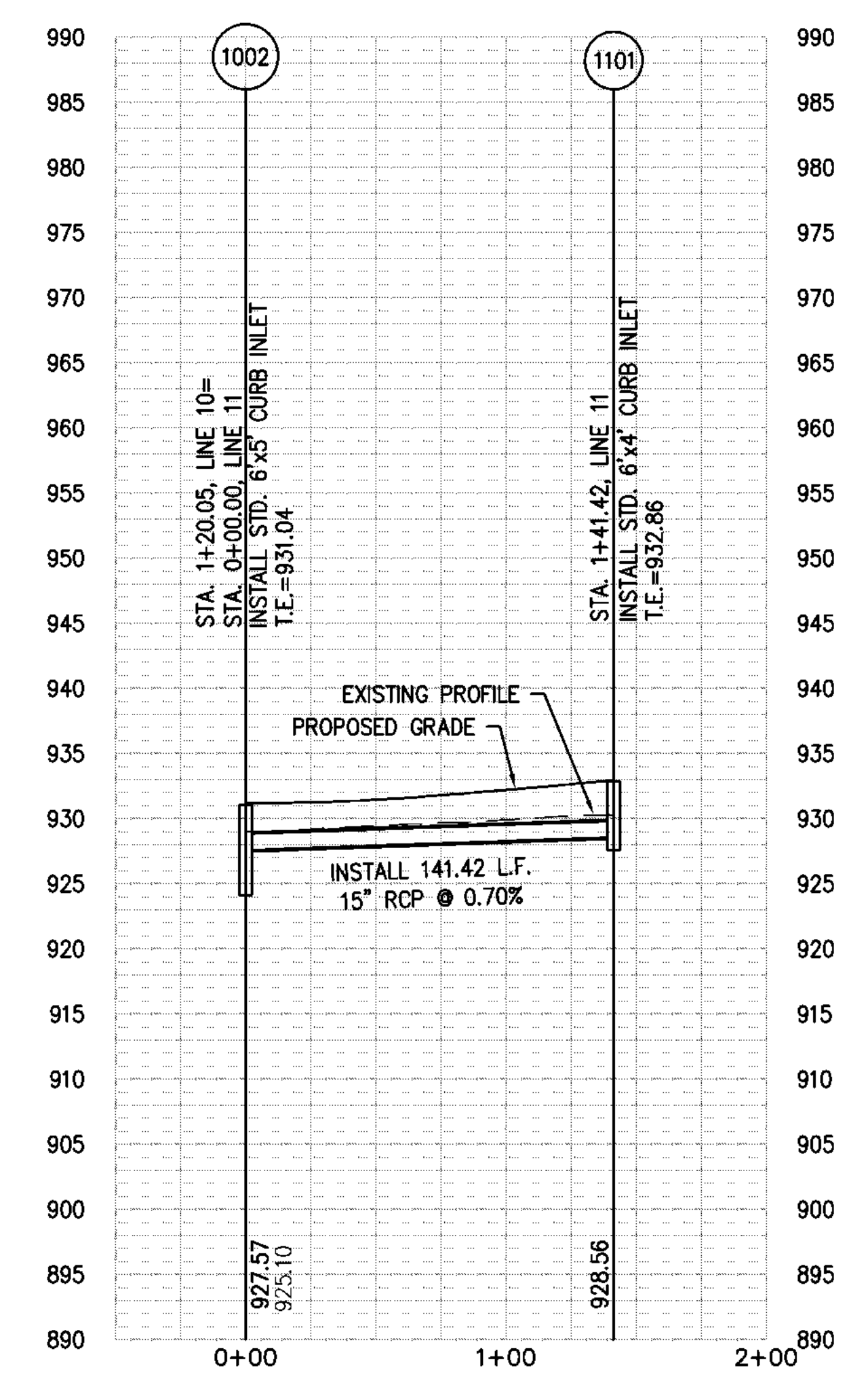
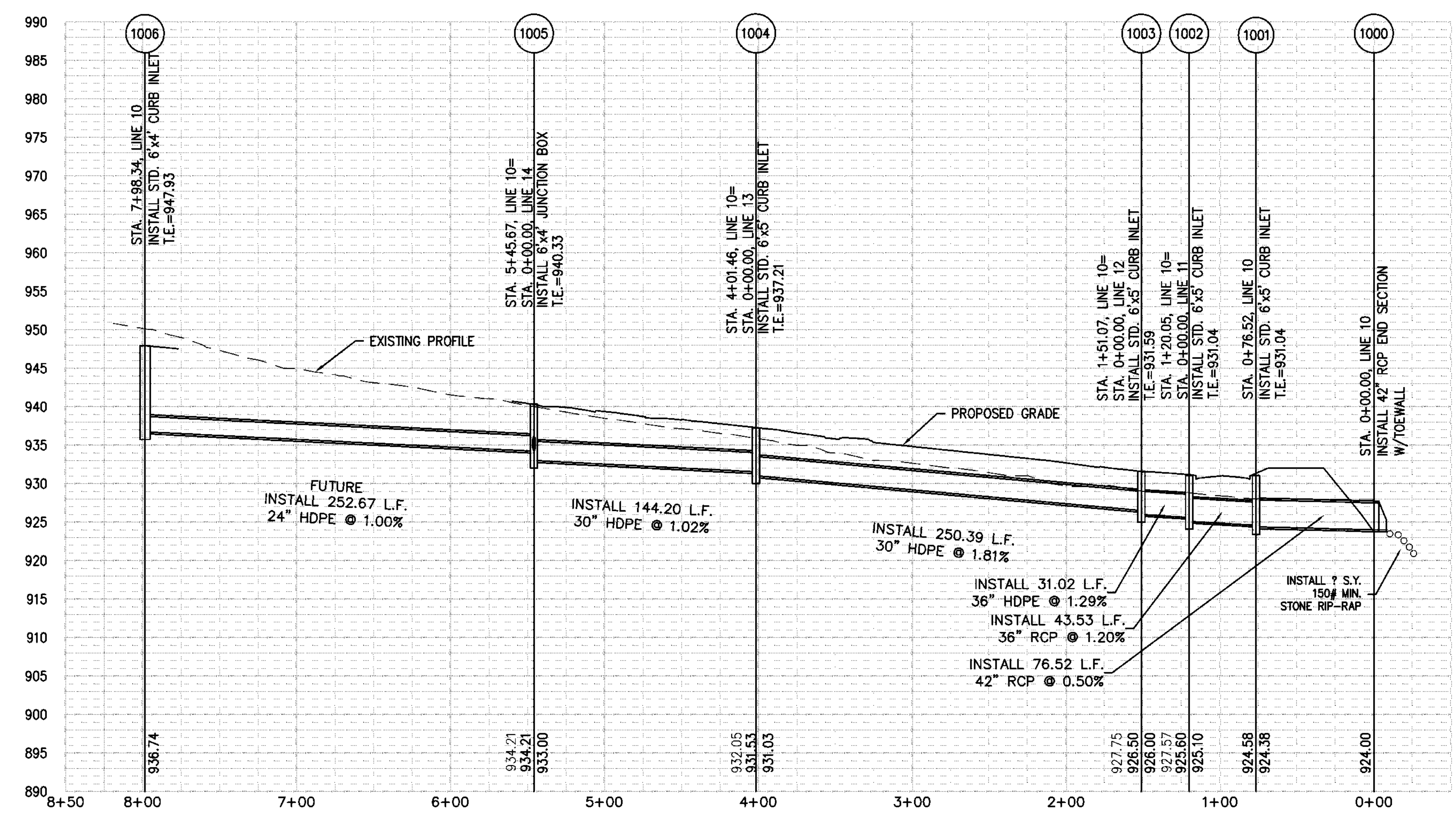


PROJECT NO.	150008	DATE	03-04-16	DATE	By	App.
DRAWN:	MFR	CHECKED:	DEU	APPROVED:		
DESIGNED:						
REVISIONS:						



LINE 10

LINE 11



Z:\150003\04\Final_Development_Plans\Storm_Profile.dwg Layout:10.11 Mar 30, 2016 - 9:54am Aaron Norris

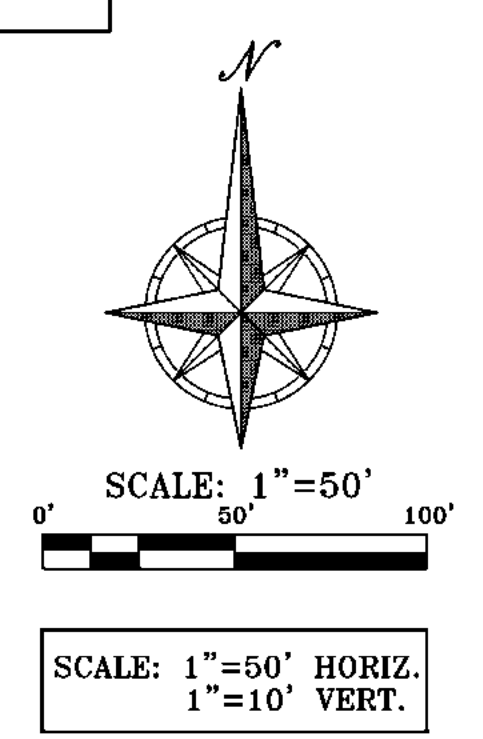
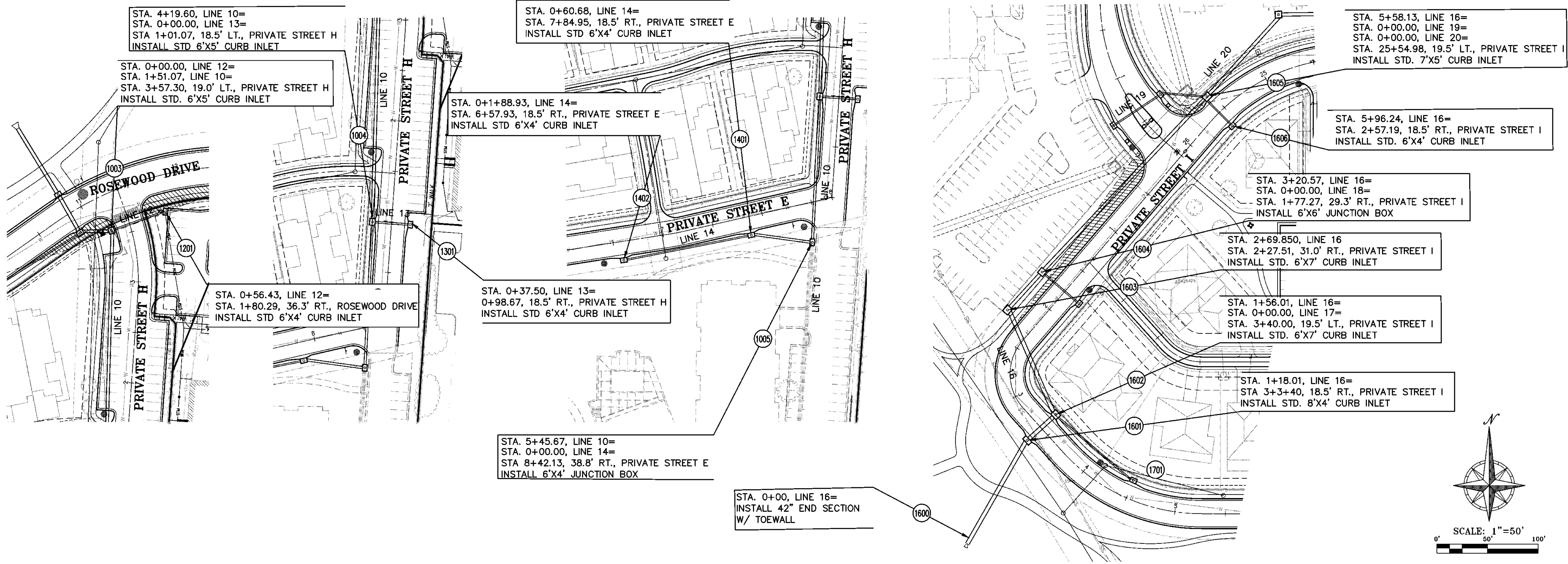
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STORM SEWER PLAN & PROFILE
MEADOWBROOK PARK
PRAIRIE VILLAGE, KANSAS
FINAL DEVELOPMENT PLANS

PROJECT NO.	150008	No.	Date	Revisions:
DATE:	03-04-16			
DRAWN:	MFR			
DESIGNED:	DEU			
CHECKED:				
APPROVED:				

C5.4

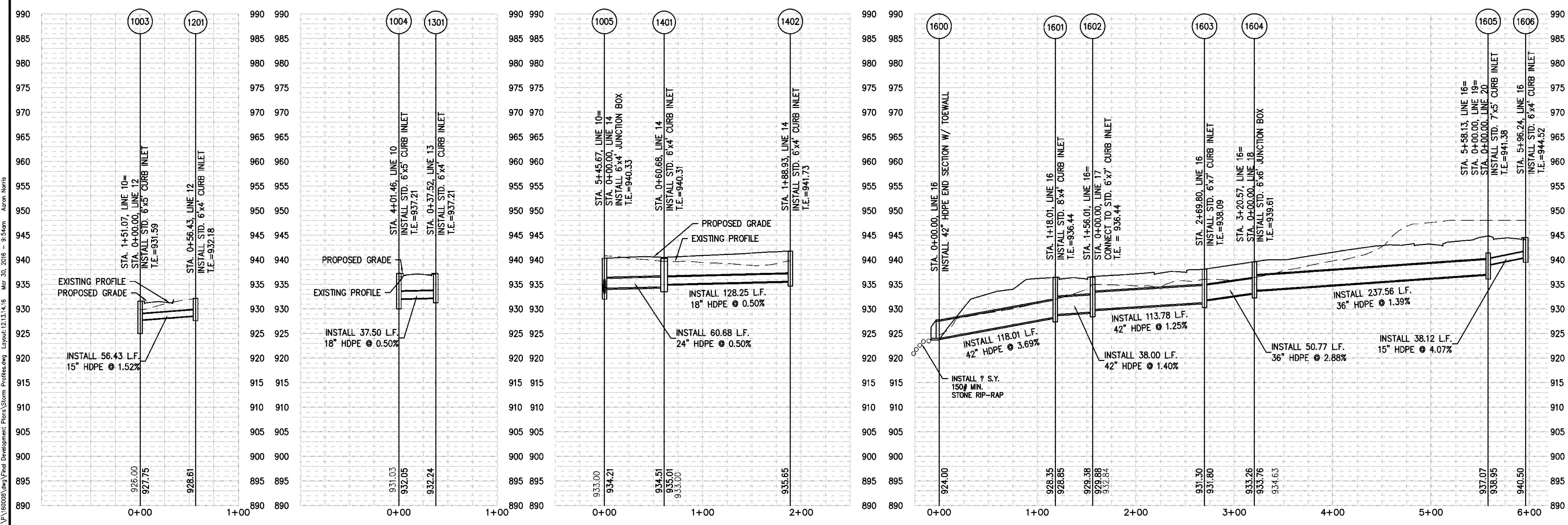


LINE 12

LINE 13

LINE 14

LINE 16

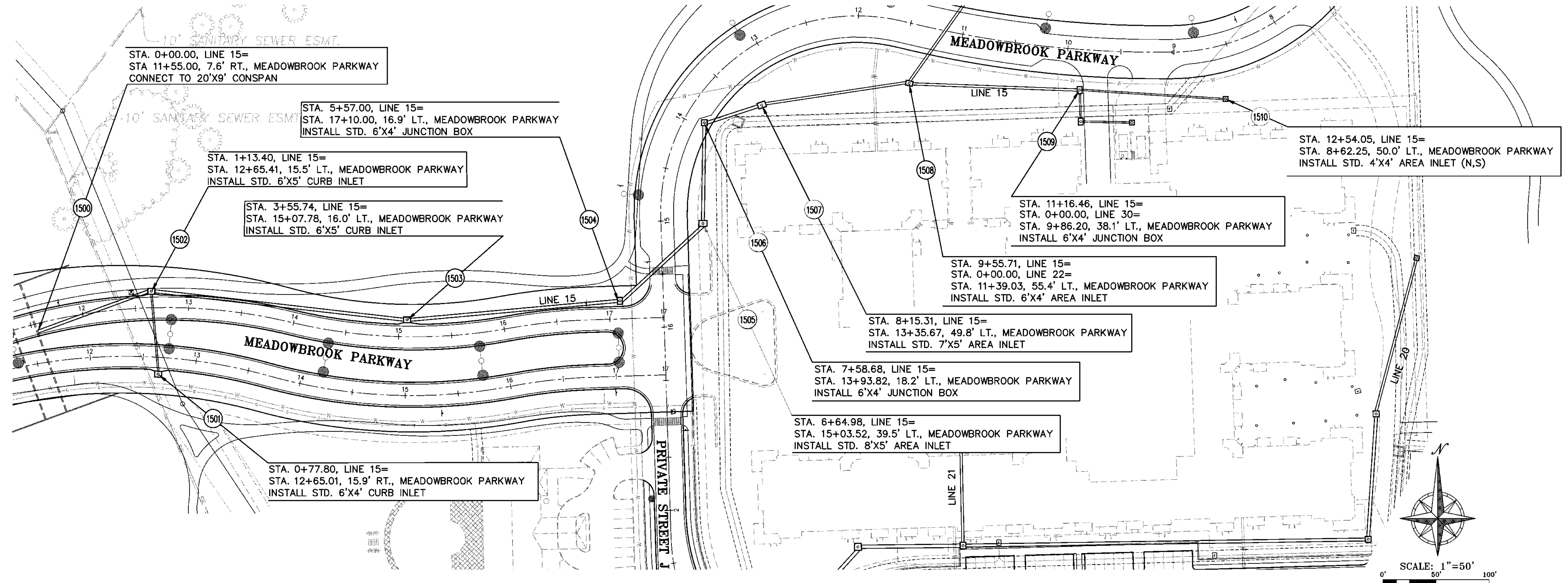


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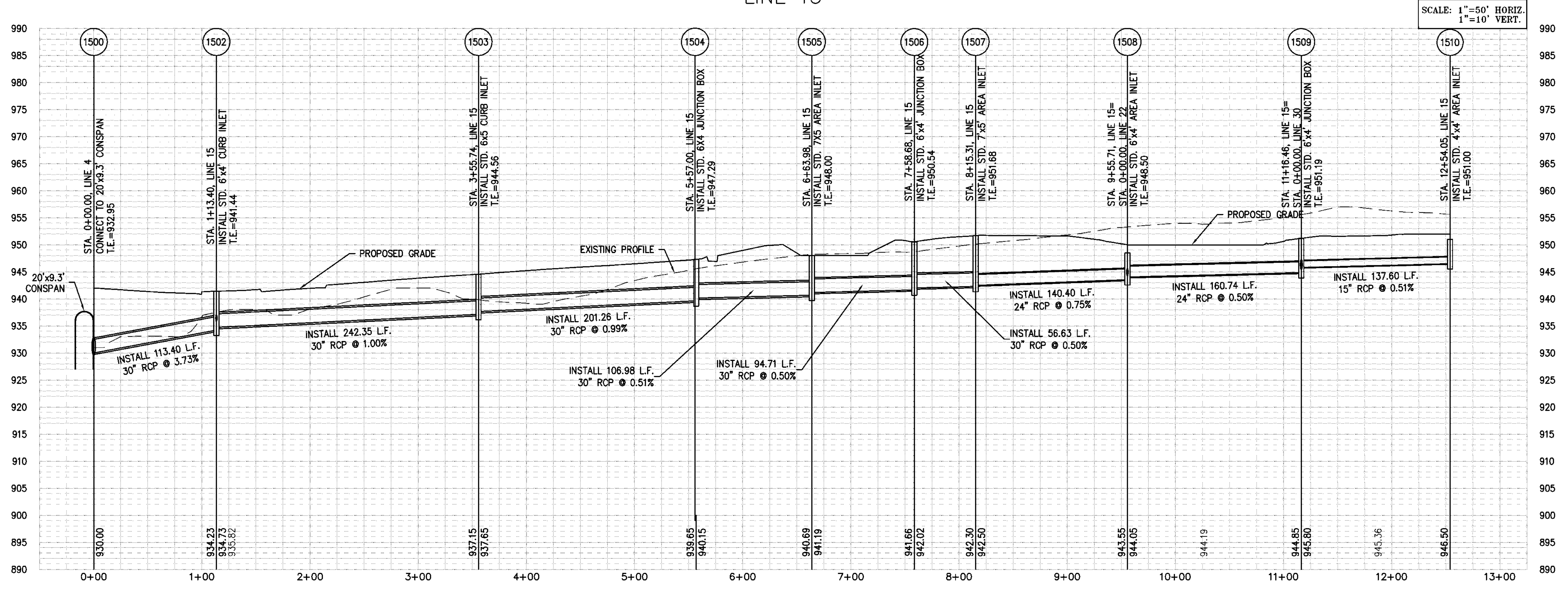
STORM SEWER PLAN & PROFILE
MEADOWBROOK PARK
 PRAIRIE VILLAGE, KANSAS
 FINAL DEVELOPMENT PLANS

PROJECT NO.	160003	DATE	03-04-16	DATE	
DRAWN:	MFR	CHECKED:	DEU	APPROVED:	
DESIGNED:	DEU				

C5.5



LINE 15



STORM SEWER PLAN & PROFILE
MEADOWBROOK PARK
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 FINAL DEVELOPMENT PLANS

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PROJECT NO.	DATE	NO.	DATE	BY	APP.
150008	03-04-16	MFR			
		DESIGNED:	DEU		
		CHECKED:			
		APPROVED:			

C5.6

Z:\150008\dwg\Final_Development_Plans\Storm_Profile.dwg Layout:15 Mar 30, 2016 9:55am Aaron Norris

STA. 0+46.31, LINE 19=
STA. 0+61.93, 28.4' LT., PRIVATE STREET J
INSTALL STD 6'X4' CURB INLET

PRIVATE STREET I

STA. 5+58.13, LINE 16=
STA. 0+00.00, LINE 19=
STA. 0+00.00, LINE 20=
STA. 25+54.98, 19.5' LT., PRIVATE STREET I
INSTALL STD. 7'X5' CURB INLET

STA. 1+01.52, LINE 19=
STA. 0+64.34, 26.8' LT., PRIVATE STREET J
INSTALL STD 6'X4' CURB INLET

STA. 7+56.51, LINE 10=
STA. 0+00.00, LINE 25=
INSTALL 7'X4' JUNCTION BOX

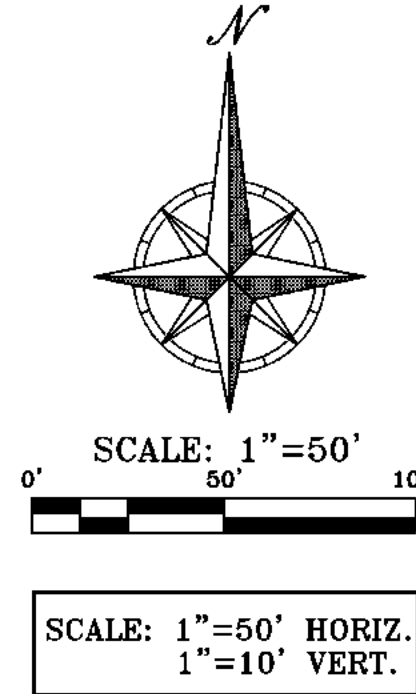
STA. 1+15.45, LINE 25=
STA. 4+43.26, 8.5' LT., ALLEY H
INSTALL 6'X4' GRATE INLET

STA. 3+20.57, LINE 16=
STA. 0+00.00, LINE 18=
STA. 1+72.27, 29.3' RT., PRIVATE STREET I
INSTALL STD. 6'X6' JUNCTION BOX

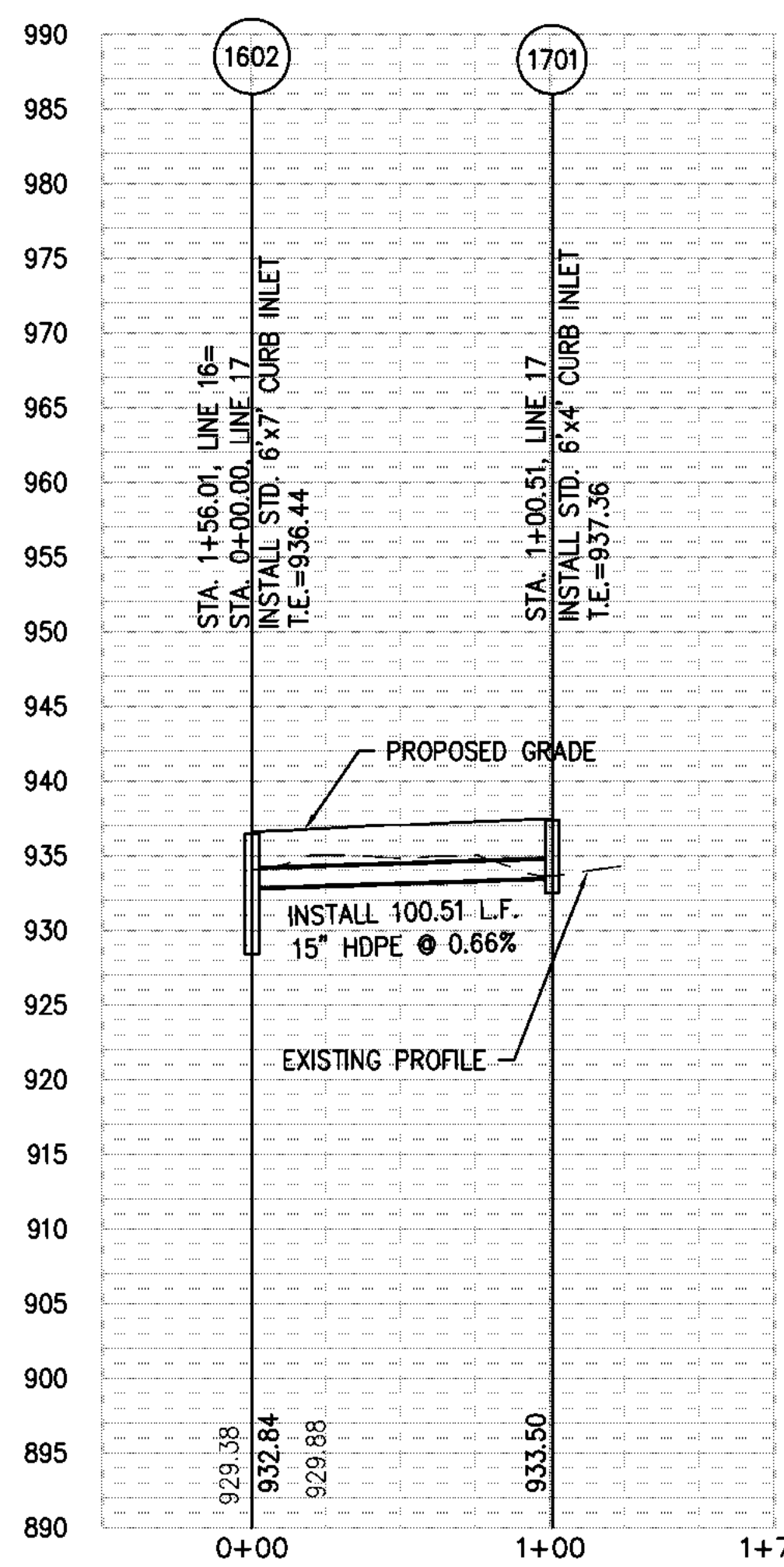
STA. 0+48.00, LINE 18=
STA. 1+76.76, 18.5' RT., PRIVATE STREET I
INSTALL STD. 6'X4' CURB INLET

STA. 1+58.01, LINE 16=
STA. 0+00.00, LINE 17=
STA. 3+16.99, 18.5' LT., PRIVATE STREET I
INSTALL STD. 6'X7' CURB INLET

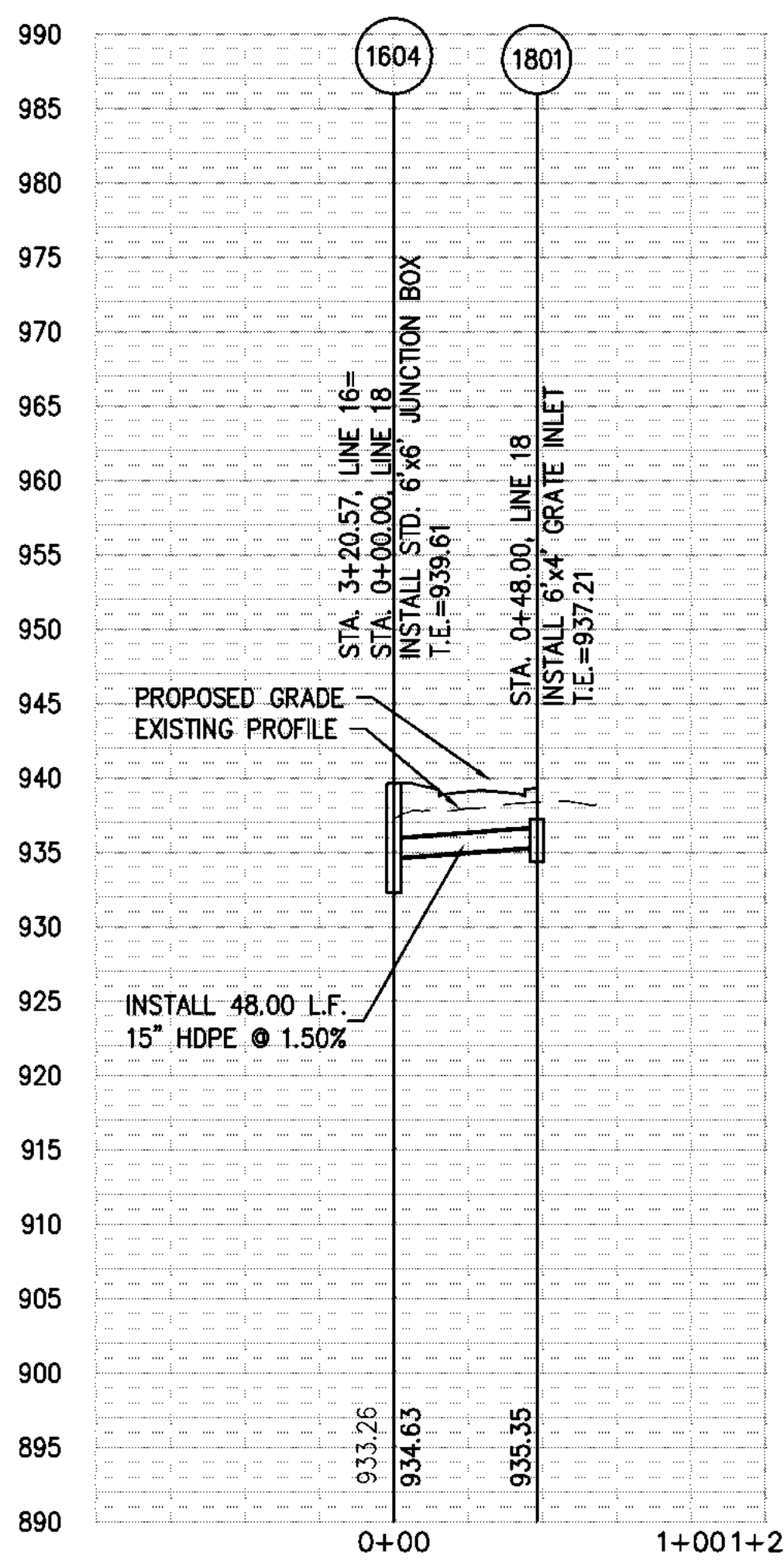
STA. 1+00.51, LINE 17=
STA. 4+49.36, 18.5' LT., PRIVATE STREET I
INSTALL STD. 6'X4' CURB INLET



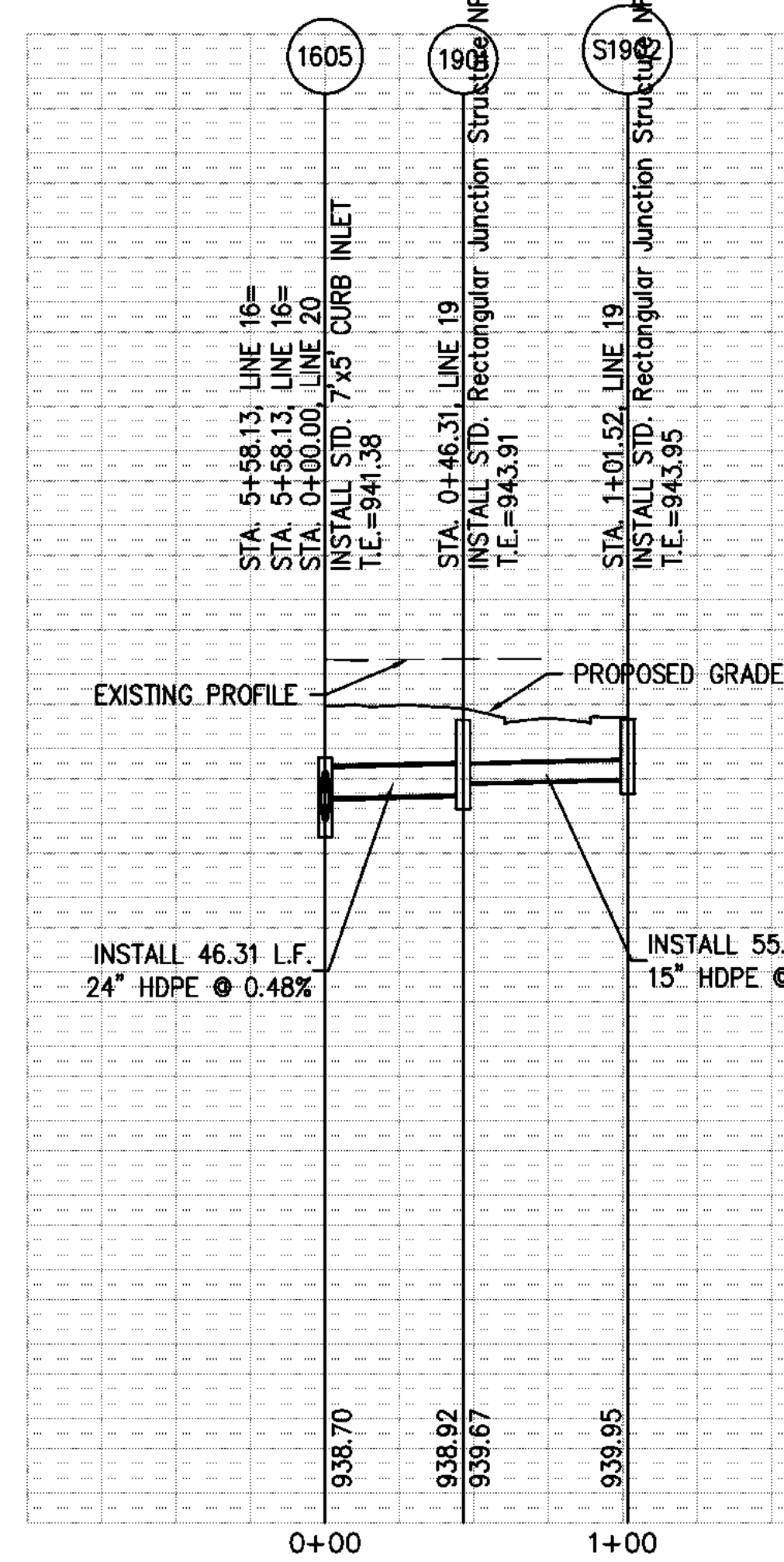
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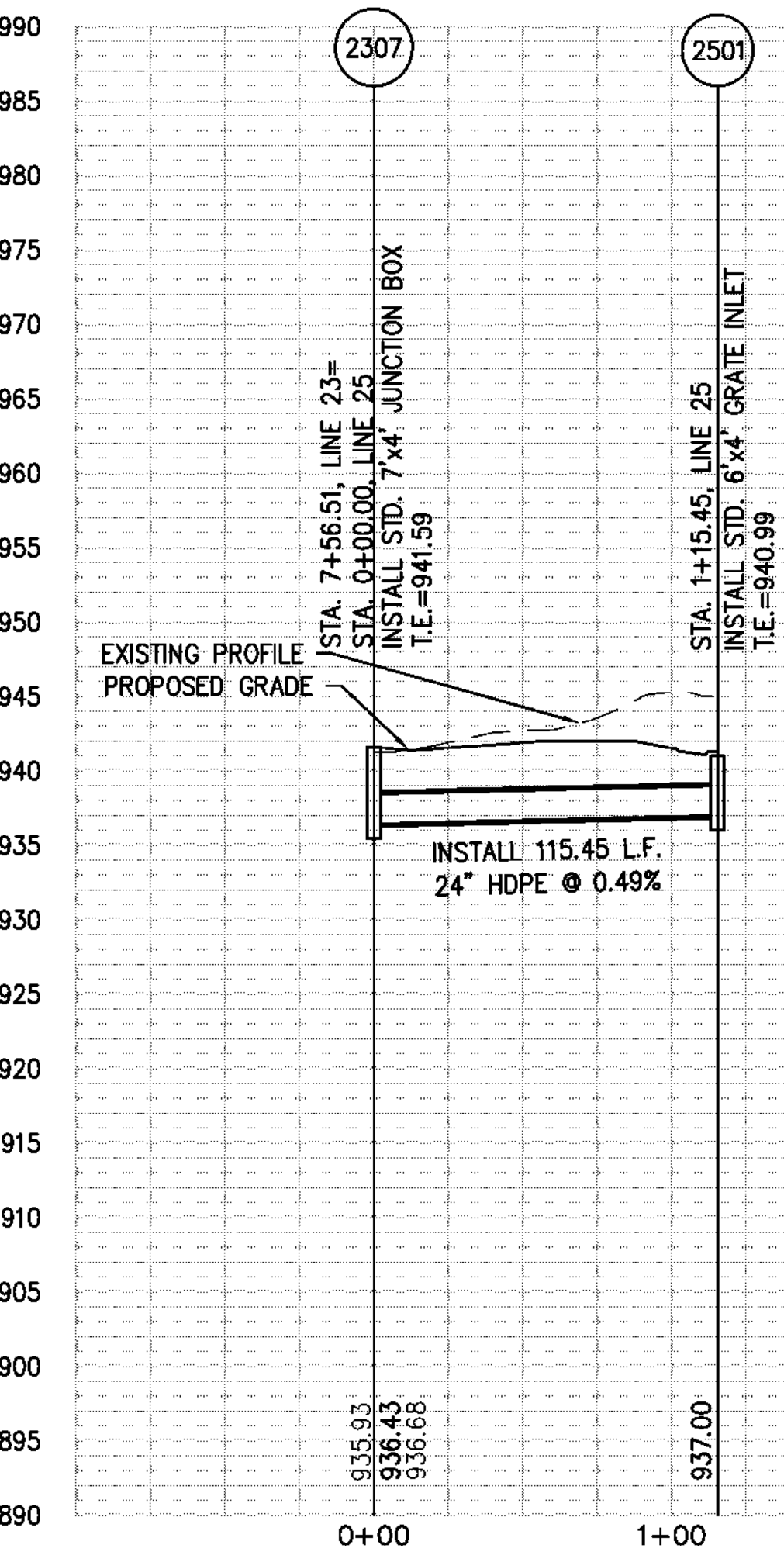
LINE 18



LINE 19



LINE 25



PROJECT NO.	160008	DATE	03-04-16	NO.	DATE	BY	APP.
DRAWN:	MRR						
DESIGNED:	DEU						
CHECKED:							
APPROVED:							

STA. 1+11.22, LINE 22=
 STA. 10+96.07 47.1 RT., MEADOWBROOK PARKWAY
 INSTALL 4'X4' AREA INLET (E,W)

STA. 11+16.46, LINE 16=
 STA. 0+00.00, LINE 30=
 STA. 9+86.20, 38.1' LT., MEADOWBROOK PARKWAY
 INSTALL 6'X4' JUNCTION BOX

STA. 9+55.71, LINE 16=
 STA. 0+00.00, LINE 22=
 STA. 11+39.03, 55.4' LT., MEADOWBROOK PARKWAY
 INSTALL STD. 6'X4' AREA INLET (E)

STA. 0+77.93, LINE 30=
 STA. 9+38.24, 66.4 LT., MEADOWBROOK PARKWAY
 INSTALL 4'X4' GRATE INLET

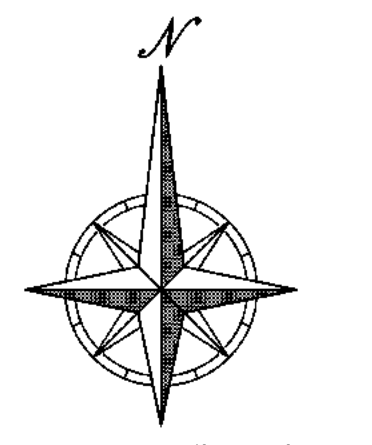
STA. 0+29.78, LINE 30=
 STA. 9+83.35, 67.8 LT., MEADOWBROOK PARKWAY
 INSTALL 6'X4' JUNCTION BOX

STA. 1+14.36, LINE 29=
 INSTALL 6'X4' JUNCTION BOX

STA. 1+62.32, LINE 29=
 2+08.78 1.5' LT., ALLEY M
 INSTALL 6'X4' GRATE INLET

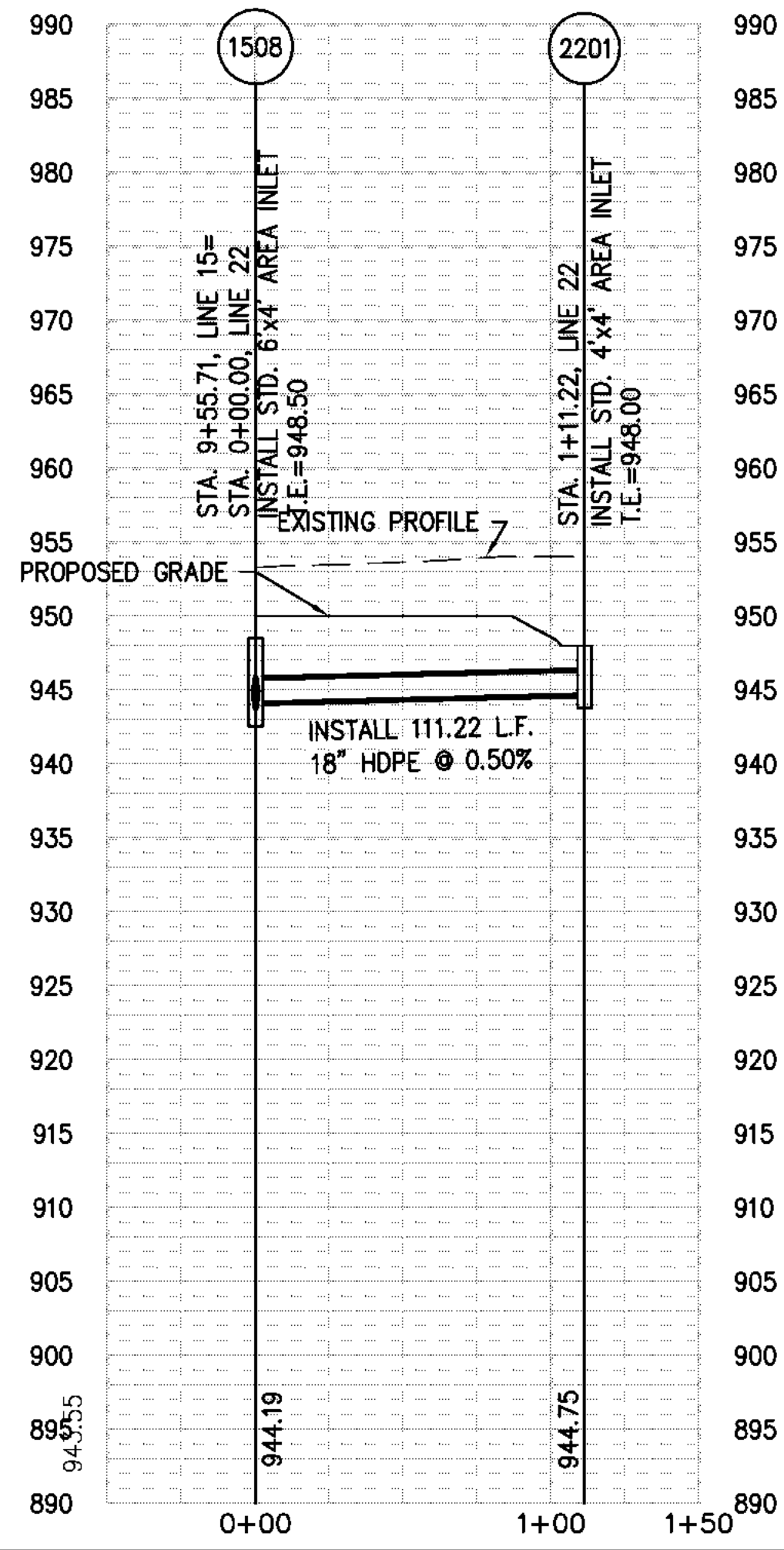
STA. 0+00.00, LINE 29=
 INSTALL 18" HDPE END SECTION
 W/ TOEWALL

NOTE:
 FOR STORM SEWER LINES 20 &
 21 REFER TO MEADOWBROOK
 APARTMENT PLANS

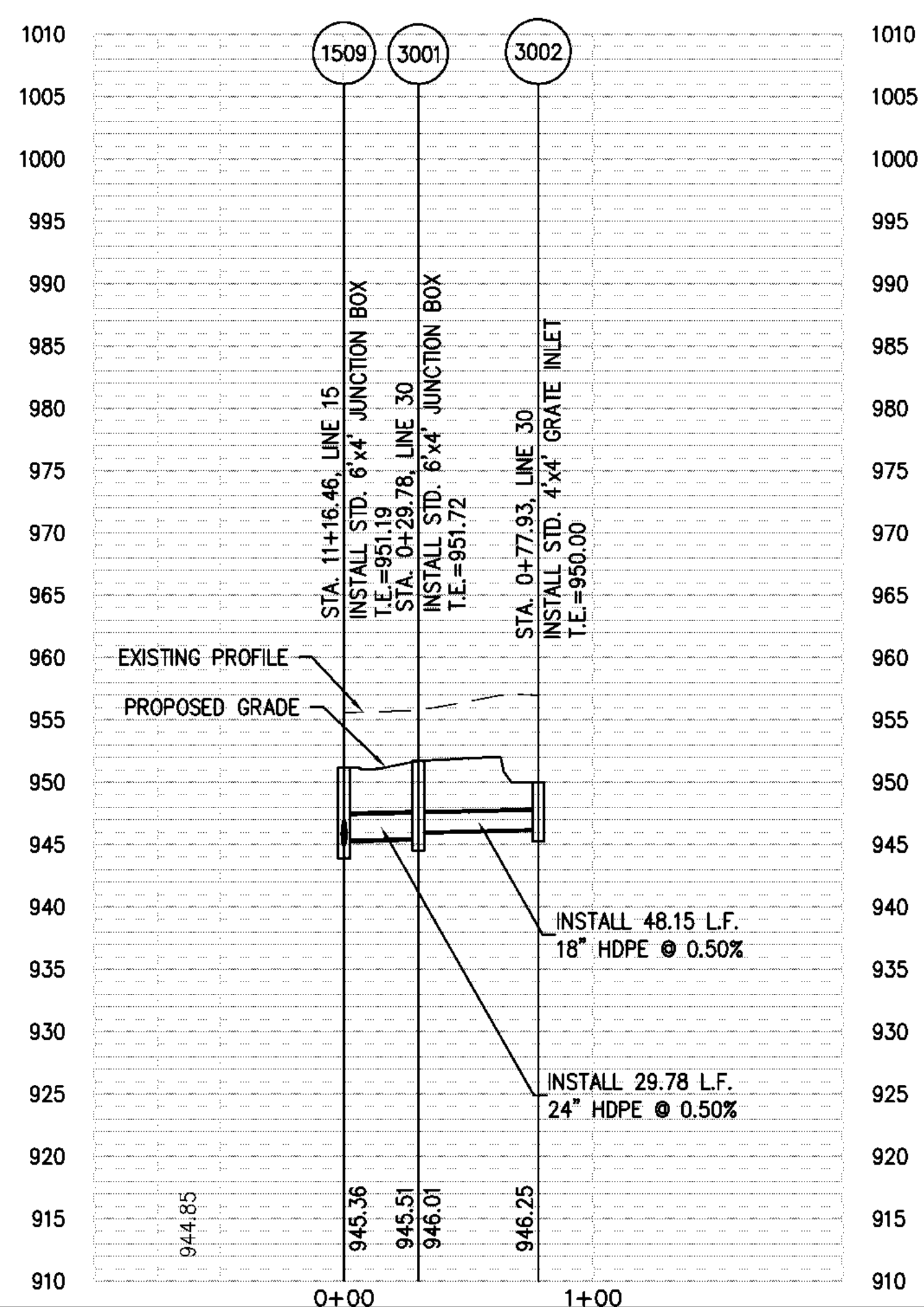


SCALE: 1"=50' HORIZ.
 1"=10' VERT.

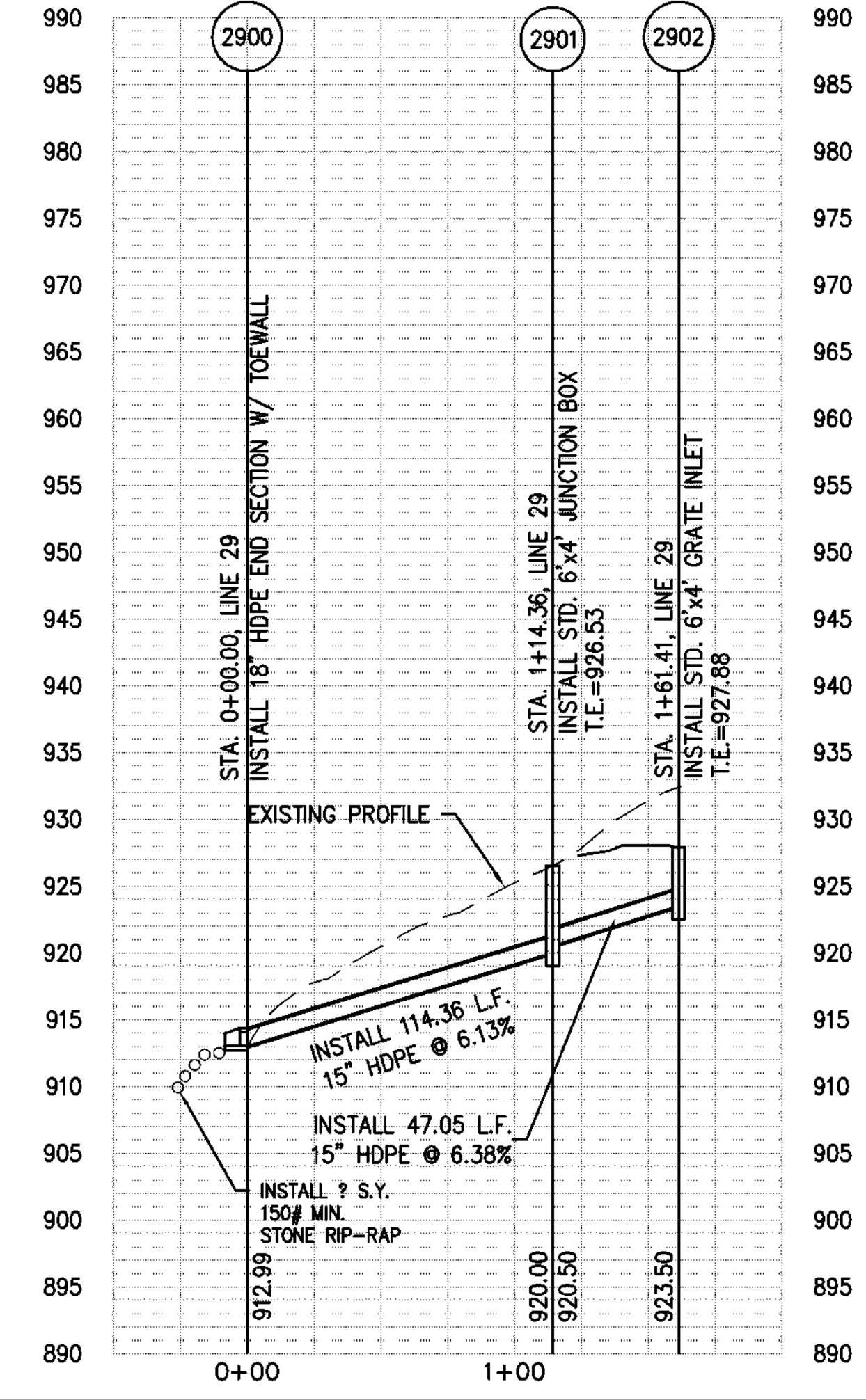
LINE 22



LINE 30

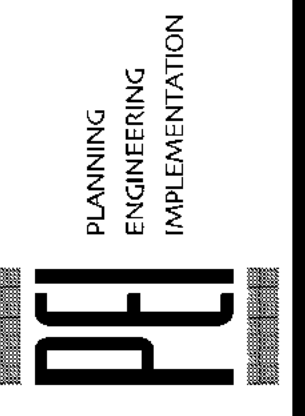


LINE 29



Z:\160008\dwg\Final_Development_Plans\Storm_Profile.dwg Layout:22,29,30 Mar 30, 2016 - 9:55am Aaron Norris

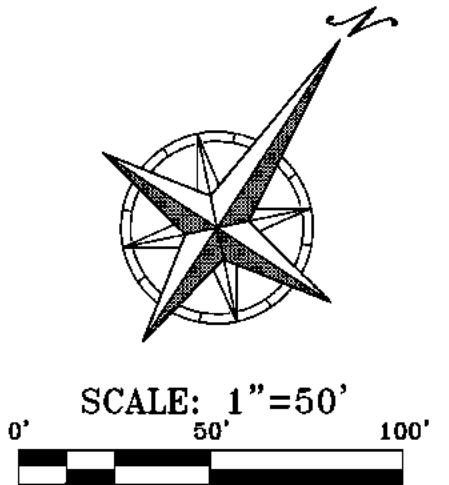
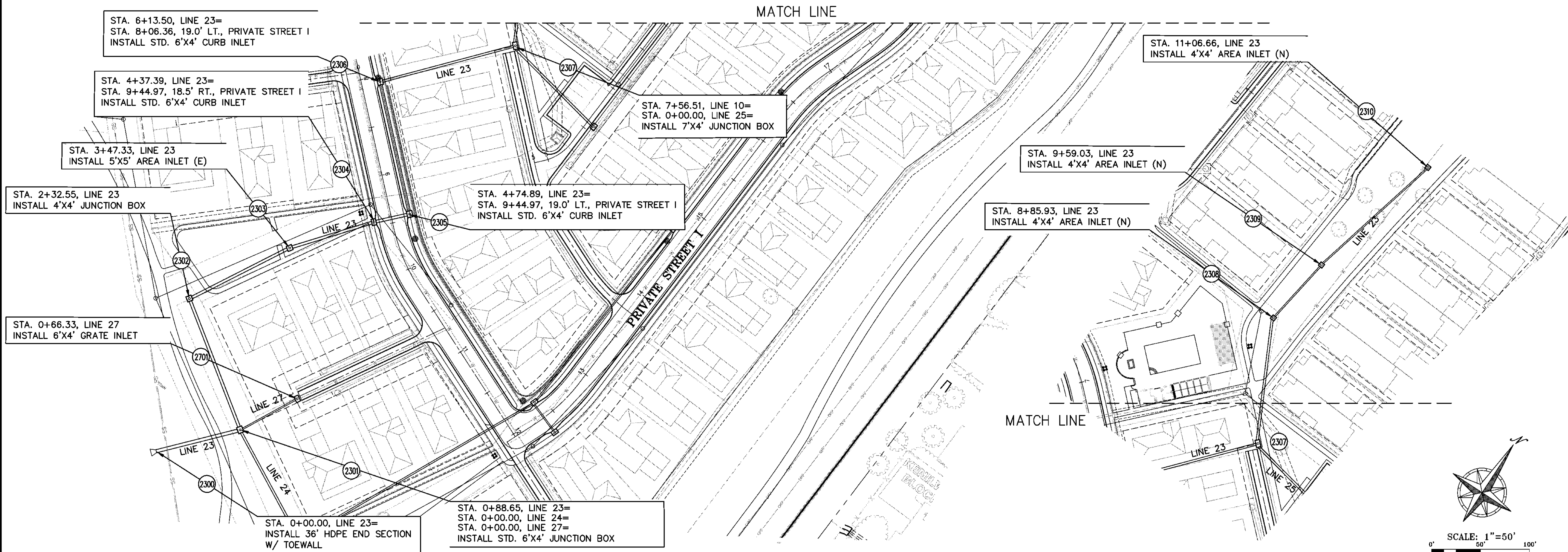
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STORM SEWER PLAN & PROFILE
MEADOWBROOK PARK
 PRAIRIE VILLAGE, KANSAS
 FINAL DEVELOPMENT PLANS

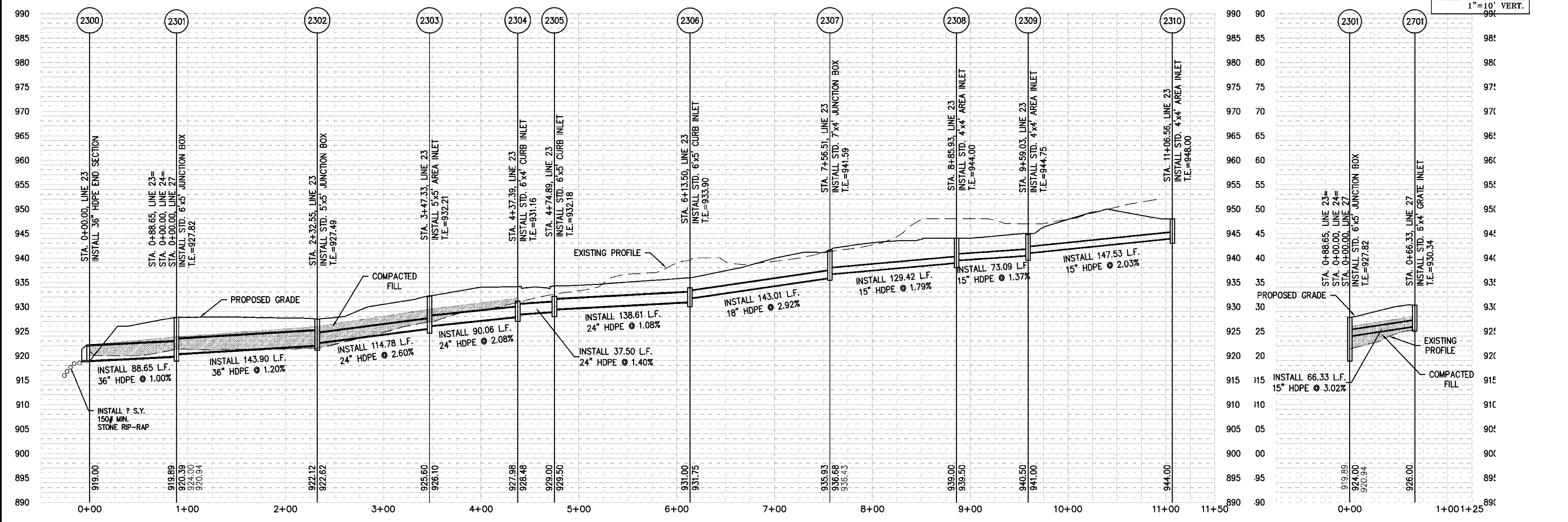
PROJECT NO.	DATE	BY	DATE	REVISIONS
160008	03-04-16	MRR		
		DESIGNED: DEU		
		CHECKED:		
		APPROVED:		

C5.8



LINE 23

LINE 27



STORM SEWER PLAN & PROFILE
MEADOWBROOK PARK
 PRAIRIE VILLAGE, KANSAS
 FINAL DEVELOPMENT PLANS

PROJECT NO. 160008
 DATE: 03-04-16
 DRAWN: MRR
 DESIGNED: DCU
 CHECKED:
 APPROVED:

By App.
 Revisions:
 No. Date

C5.9

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STA. 0+00.00, LINE 28=
INSTALL 15" HDPE END SECTION
W/ TOEWALL

STA. 1+28.64, LINE 28=
INSTALL 6'X4' JUNCTION BOX

STA. 0+88.65, LINE 23=
STA. 0+00.00, LINE 24=
STA. 0+00.00, LINE 27=
INSTALL STD. 6'X4' JUNCTION BOX

STA. 1+27.52, LINE 24=
INSTALL 6'X4' JUNCTION BOX

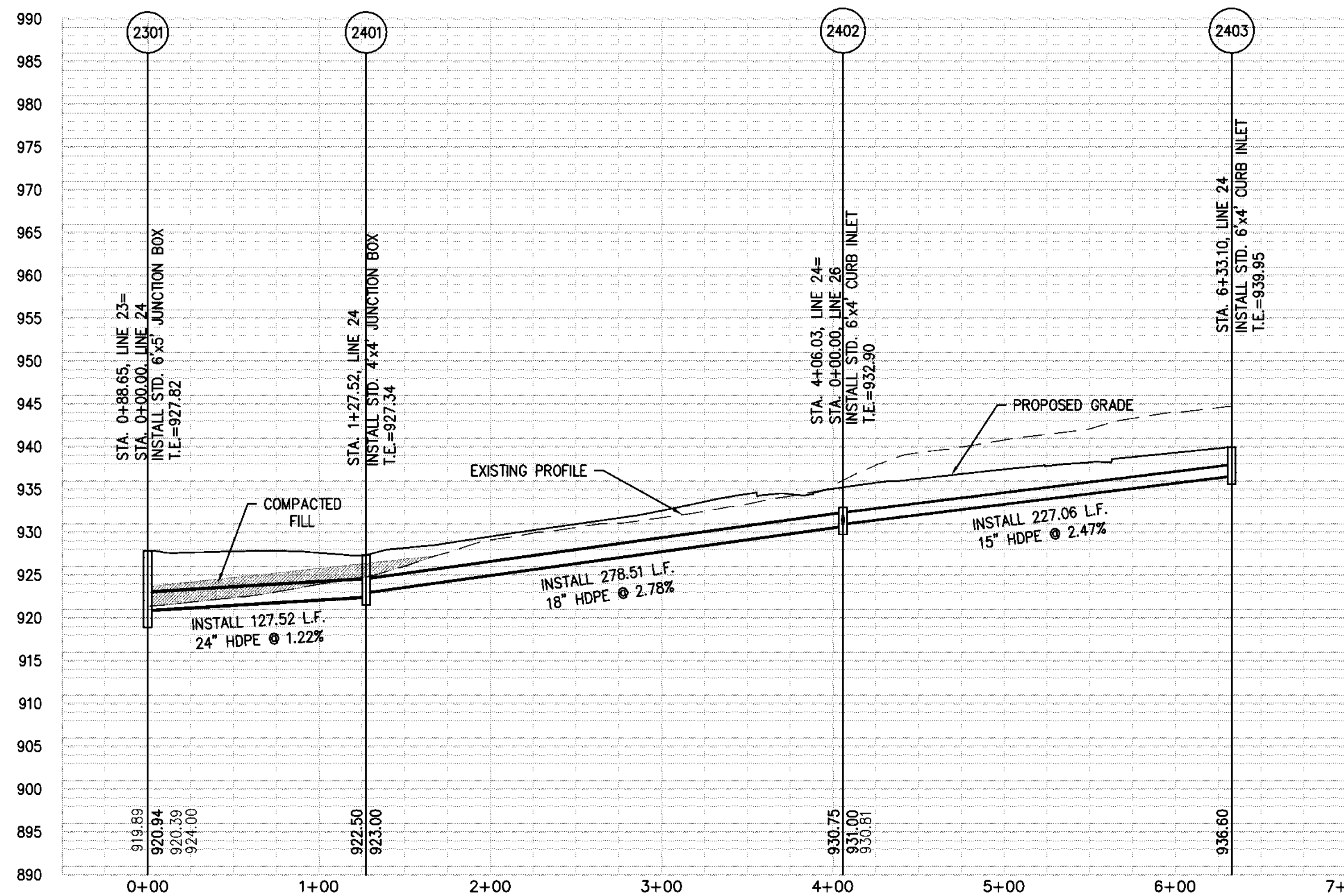
STA. 1+86.42, LINE 28=
STA. 1+74.87, 1.5' LT., ALLEY J
INSTALL 6'X4' GRATE INLET

STA. 6+33.10, LINE 24=
STA. 14+72.87, 18.5' LT., PRIVATE STREET I
INSTALL STD. 6'X4' CURB INLET

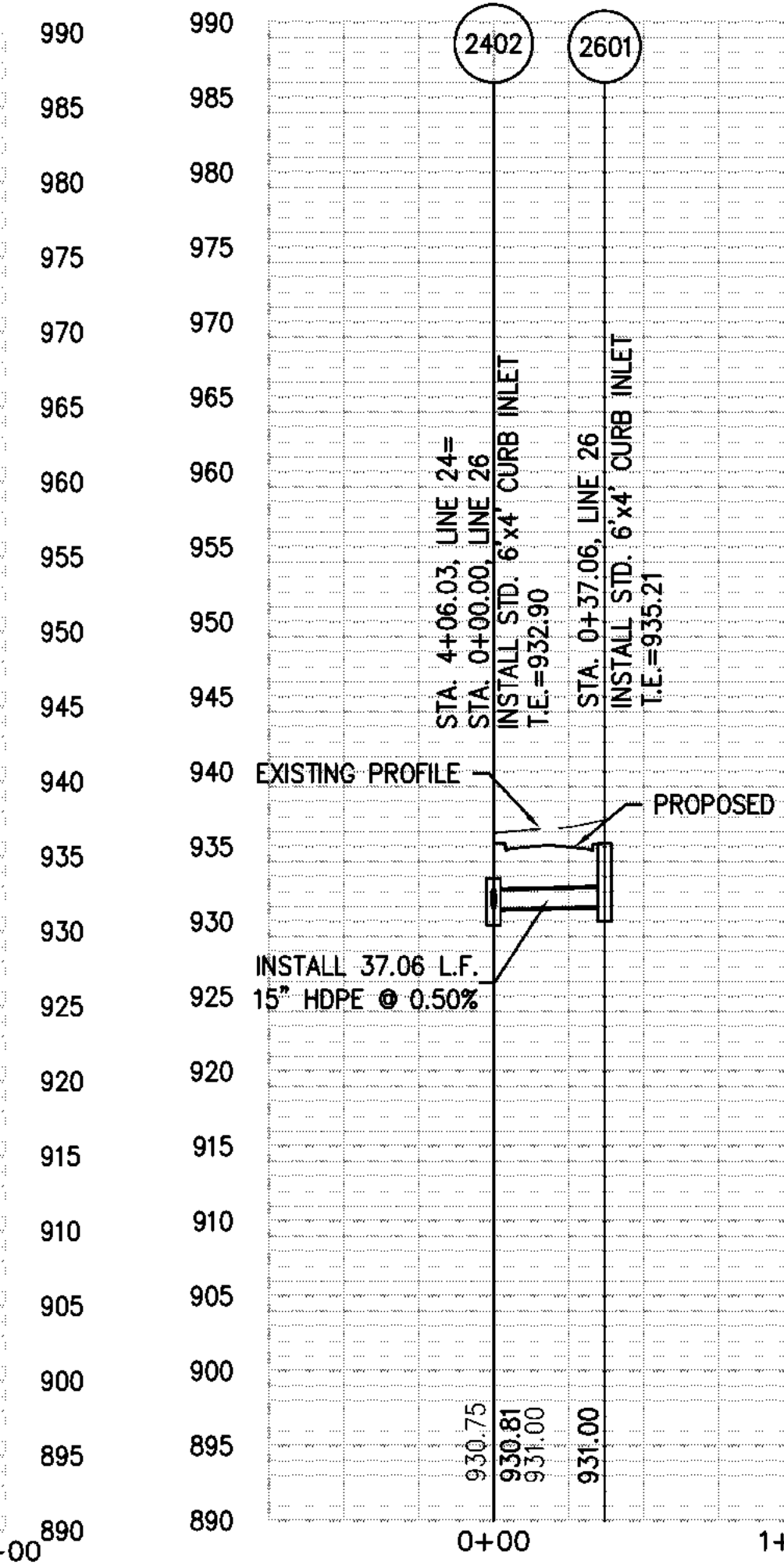
STA. 4+06.03, LINE 24=
STA. 0+00.00, LINE 26=
STA. 12+40.33, 18.5' LT., PRIVATE STREET I
INSTALL STD. 6'X4' CURB INLET

STA. 0+37.04, LINE 26=
STA. 12+38.42, 18.5' RT., PRIVATE STREET I
INSTALL STD. 6'X4' CURB INLET

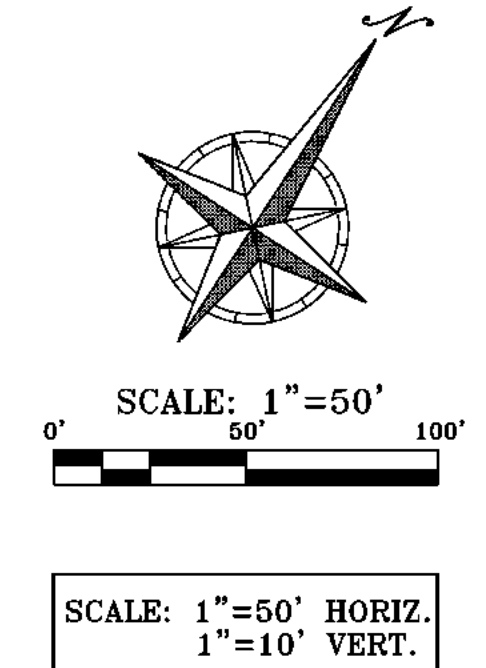
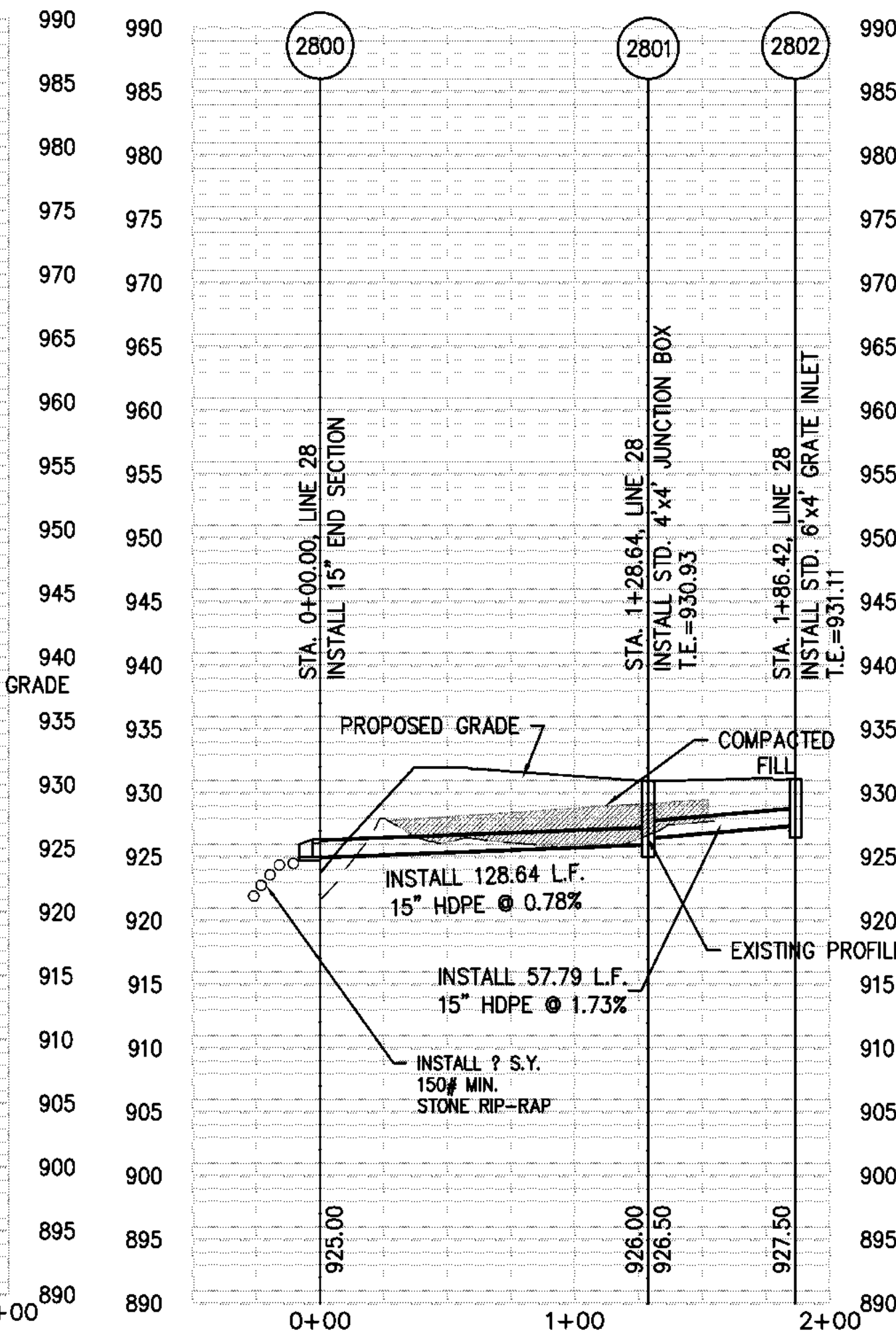
LINE 24



LINE 26



LINE 28



Z:\160003\dwg\Final_Development_Plans\Storm_Prefabricating_Layouts\24_26_28 Mar 30, 2016 - 9:56am Aaron Norris

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STORM SEWER PLAN & PROFILE
MEADOWBROOK PARK
PRAIRIE VILLAGE, KANSAS
FINAL DEVELOPMENT PLANS

PROJECT NO.	160008	No.	Date	By	App.
DATE:	03-04-16				
DRAWN:	MRR				
DESIGNED:	DEU				
CHECKED:					
APPROVED:					

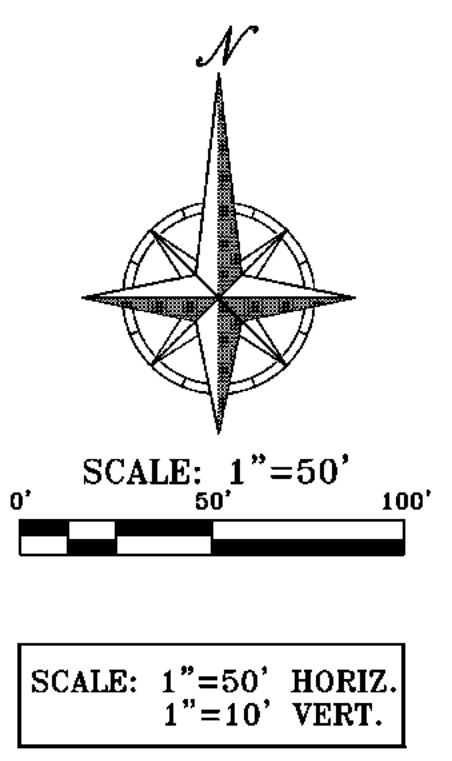
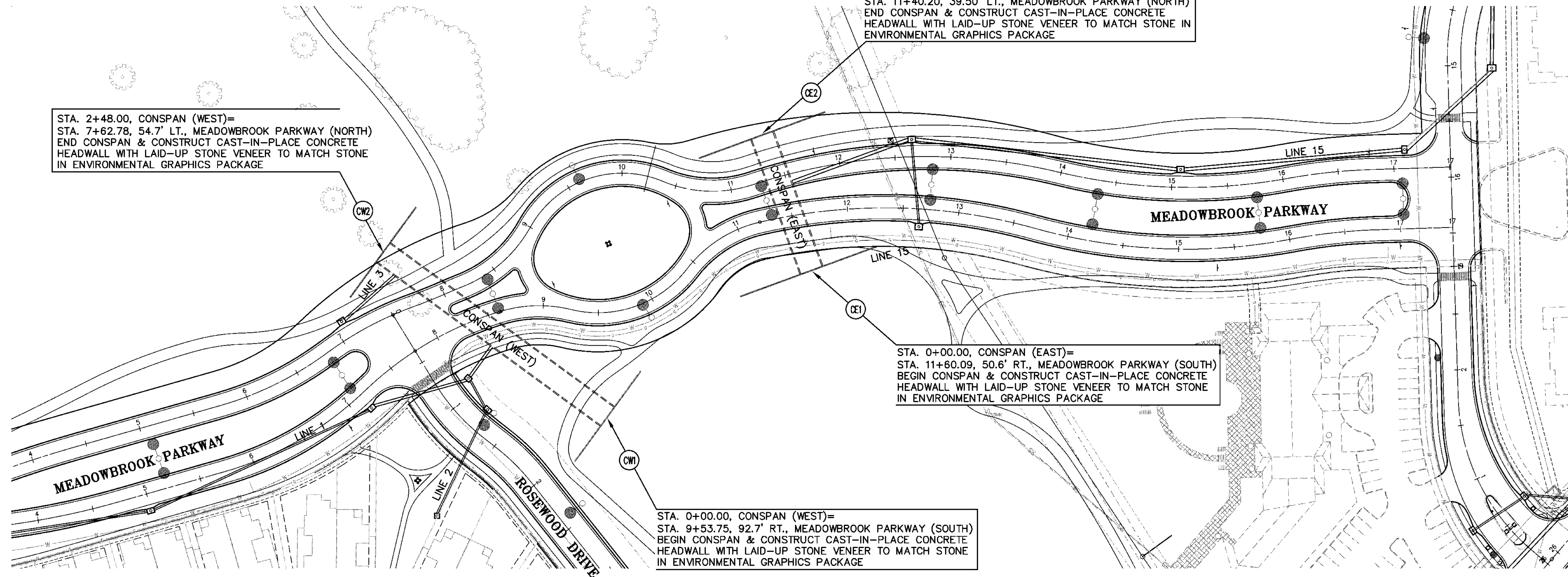
C5.10

STA. 1+28.00, CONSPAN (EAST)=
 STA. 11+40.20, 39.50' LT., MEADOWBROOK PARKWAY (NORTH)
 END CONSPAN & CONSTRUCT CAST-IN-PLACE CONCRETE
 HEADWALL WITH LAID-UP STONE VENEER TO MATCH STONE IN
 ENVIRONMENTAL GRAPHICS PACKAGE

STA. 2+48.00, CONSPAN (WEST)=
 STA. 7+62.78, 54.7' LT., MEADOWBROOK PARKWAY (NORTH)
 END CONSPAN & CONSTRUCT CAST-IN-PLACE CONCRETE
 HEADWALL WITH LAID-UP STONE VENEER TO MATCH STONE IN
 ENVIRONMENTAL GRAPHICS PACKAGE

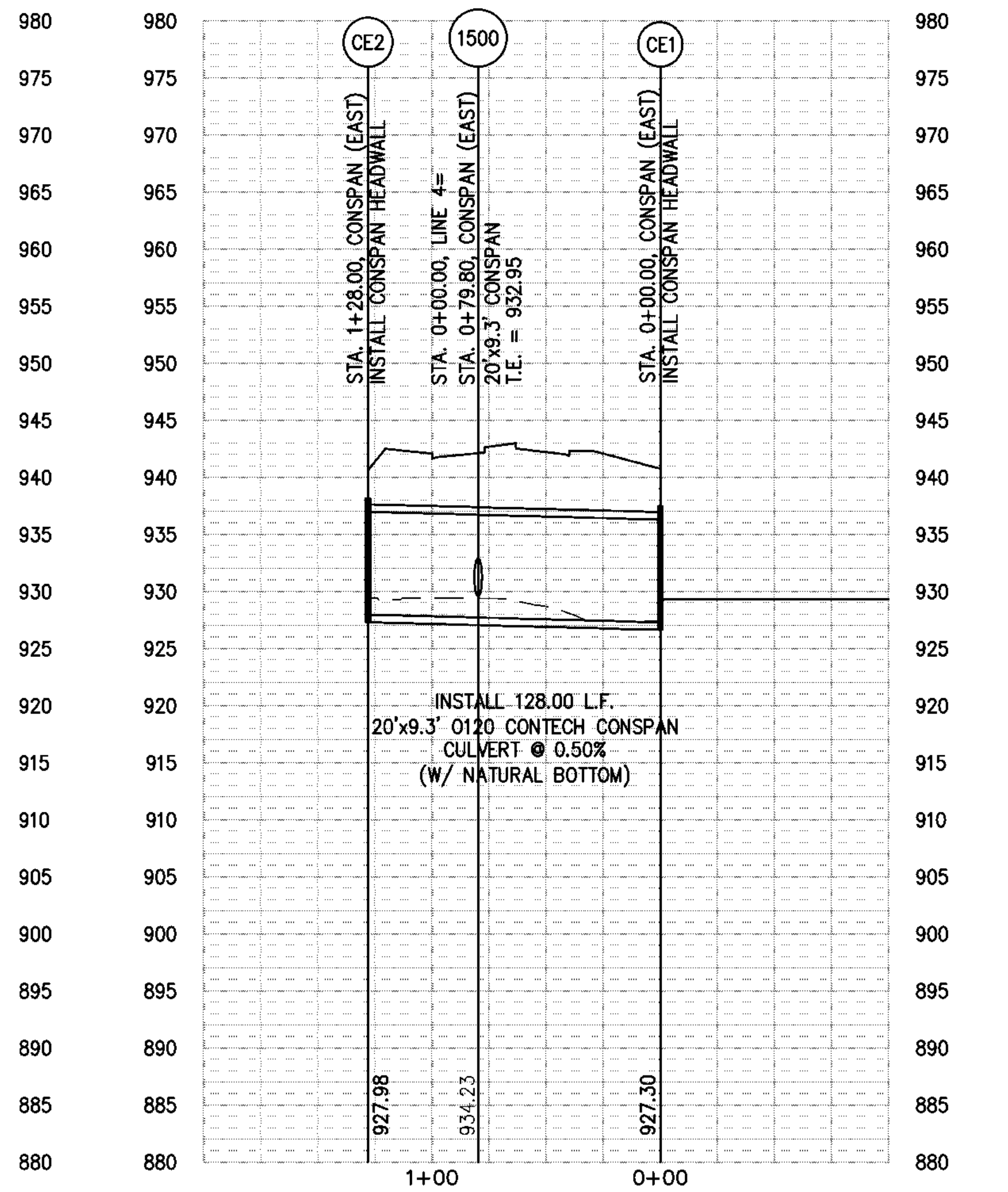
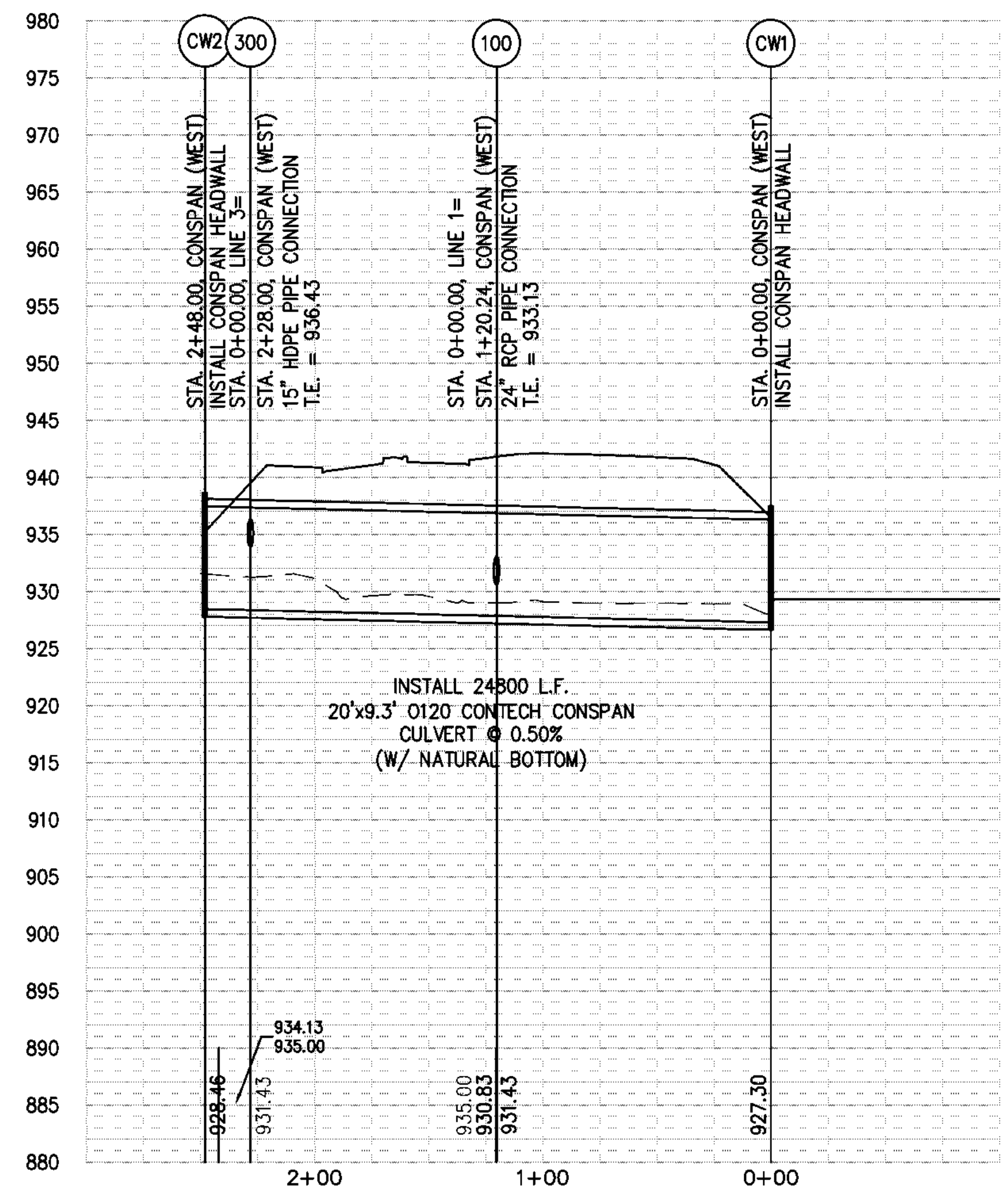
STA. 0+00.00, CONSPAN (EAST)=
 STA. 11+60.09, 50.6' RT., MEADOWBROOK PARKWAY (SOUTH)
 BEGIN CONSPAN & CONSTRUCT CAST-IN-PLACE CONCRETE
 HEADWALL WITH LAID-UP STONE VENEER TO MATCH STONE IN
 ENVIRONMENTAL GRAPHICS PACKAGE

STA. 0+00.00, CONSPAN (WEST)=
 STA. 9+53.75, 92.7' RT., MEADOWBROOK PARKWAY (SOUTH)
 BEGIN CONSPAN & CONSTRUCT CAST-IN-PLACE CONCRETE
 HEADWALL WITH LAID-UP STONE VENEER TO MATCH STONE IN
 ENVIRONMENTAL GRAPHICS PACKAGE



CONSPAN (WEST)

CONSPAN (EAST)



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PLANNING
 ENGINEERING
 IMPLEMENTATION



STORM SEWER PLAN & PROFILE
 MEADOWBROOK PARK
 PRAIRIE VILLAGE, KANSAS
 FINAL DEVELOPMENT PLANS

PROJECT NO.	DATE	NO.	DATE	REVISIONS:
160008	03-04-16	MFR		
		DEU		

C5.11

