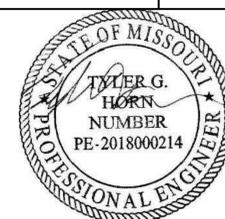


LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MISSOURI
EASTSIDE DEVELOPMENT
CITY PROJECT NO. - 47732472



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JANUARY 4, 2024

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MO

09/13/24 REV 4

MARK DATE DESCRIPTION

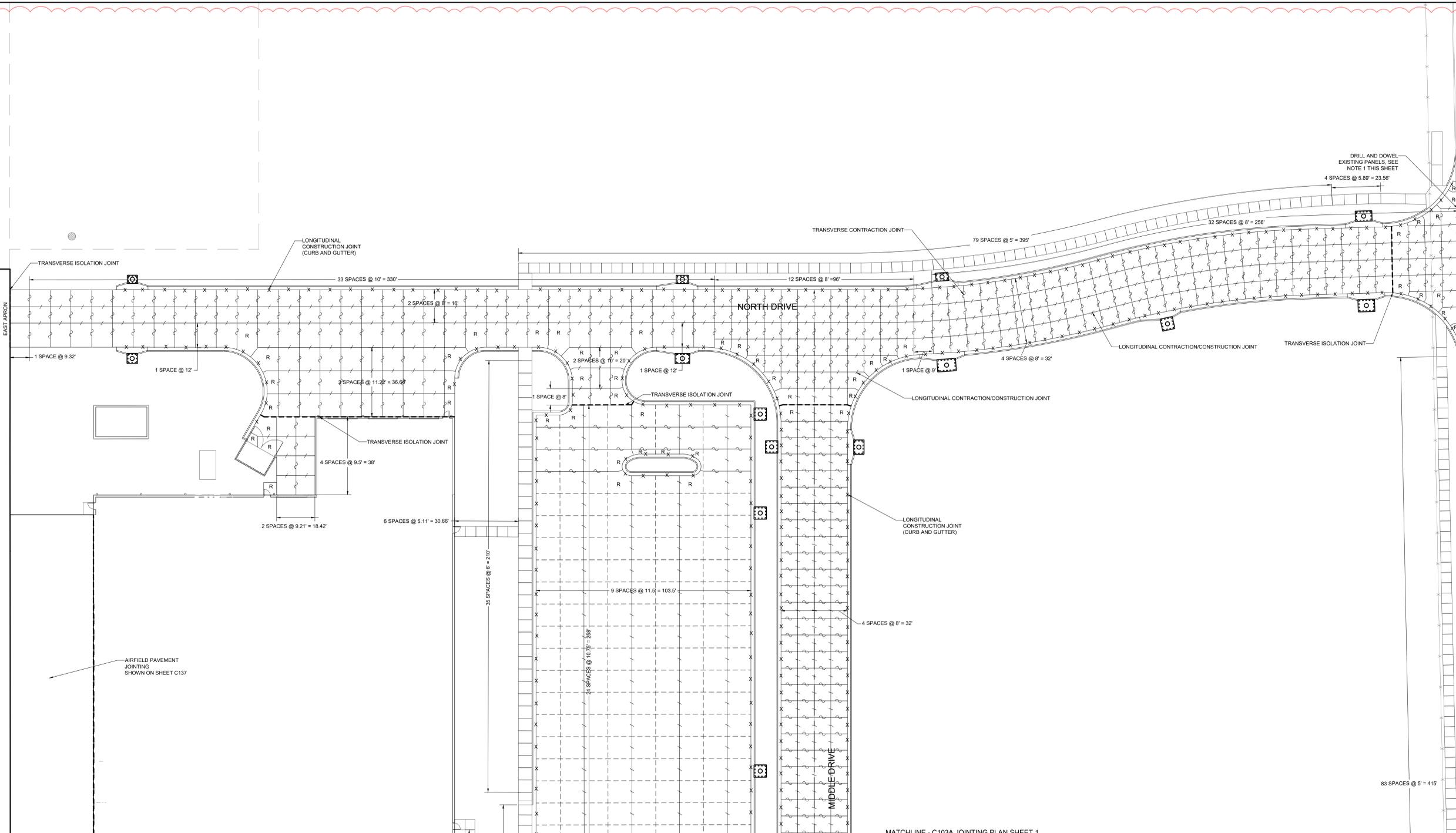
PROJECT NO: 47732472
CAD DWG FILE: JOINTING PLAN 2.0
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SHEET TITLE

**PAVEMENT JOINTING
PLAN SHEET 1 OF 2**

C103A

SHEET 014 OF 133



MATCHLINE - C103A JOINTING PLAN SHEET 1
MATCHLINE - C103B JOINTING PLAN SHEET 2

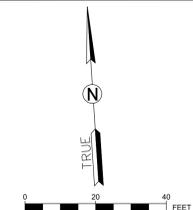
JOINTING NOTES

1. DRILL AND BOND DOWEL BARS INTO EXISTING PAVEMENT PRIOR TO PLACEMENT OF NEW PCC. MATCH EXISTING JOINTING.
2. LONGITUDINAL CONSTRUCTION JOINT NOT NEEDED IF CURB AND GUTTER IS MONOLITHICALLY Poured.
3. L-SHAPED BARS ARE ACCEPTABLE FOR CONSTRUCTION JOINTS.
4. JOINTS ARE PRESENTED BASED ON AN EXPECTED PAVING PLAN FOR THIS PROJECT. CONTRACTOR MAY ELECT TO PAVE THE SITE DIFFERENTLY, HOWEVER, CONTRACTOR MUST PREPARE AND SUBMIT PAVING PLAN WITH AN ALTERNATIVE JOINTING PLAN TO ENGINEER FOR REVIEW. PAVING PLAN AND ALTERNATIVE JOINTING PLAN SHALL BE SUBMITTED AT LEAST 10 CALENDAR DAYS IN ADVANCE OF ANY SCHEDULED PAVES. NO ADDITIONAL COSTS TO THE CONTRACT SHALL BE INCURRED BY THE OWNER FOR THE PREPARATION OF AN ALTERNATIVE JOINTING PLAN. NO ADDITIONAL COSTS TO THE CONTRACT SHALL BE INCURRED BY THE OWNER IF AN ALTERNATIVE JOINTING PLAN IS ACCEPTED.
5. SEE SHEETS C138B FOR JOINTING DETAILS.
6. SEE SHEET C138 FOR ODD SHAPE PANEL REINFORCEMENT.

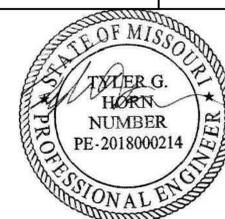
LEGEND

	TRANSVERSE ISOLATION JOINT
	TRANSVERSE CONSTRUCTION JOINT
	DUMMY CONTRACTION JOINT
	LONGITUDINAL CONSTRUCTION JOINT (CURB AND GUTTER)
	LONGITUDINAL CONTRACTION/CONSTRUCTION JOINT
	TRANSVERSE CONTRACTION JOINT
	PANEL WITH THICKENED EDGE
	ODD-SHAPED PANEL WITH MESH REINFORCEMENT

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As Noted on Plan Review
Development Services Department
Lee's Summit, Missouri
10/01/2024



**LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MISSOURI
EASTSIDE DEVELOPMENT
CITY PROJECT NO. - 47732472**



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LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MO

09/13/24 REV 4

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		PROJECT NO.: 47732472
		CAD DWG FILE: JOINTING PLAN 2.0
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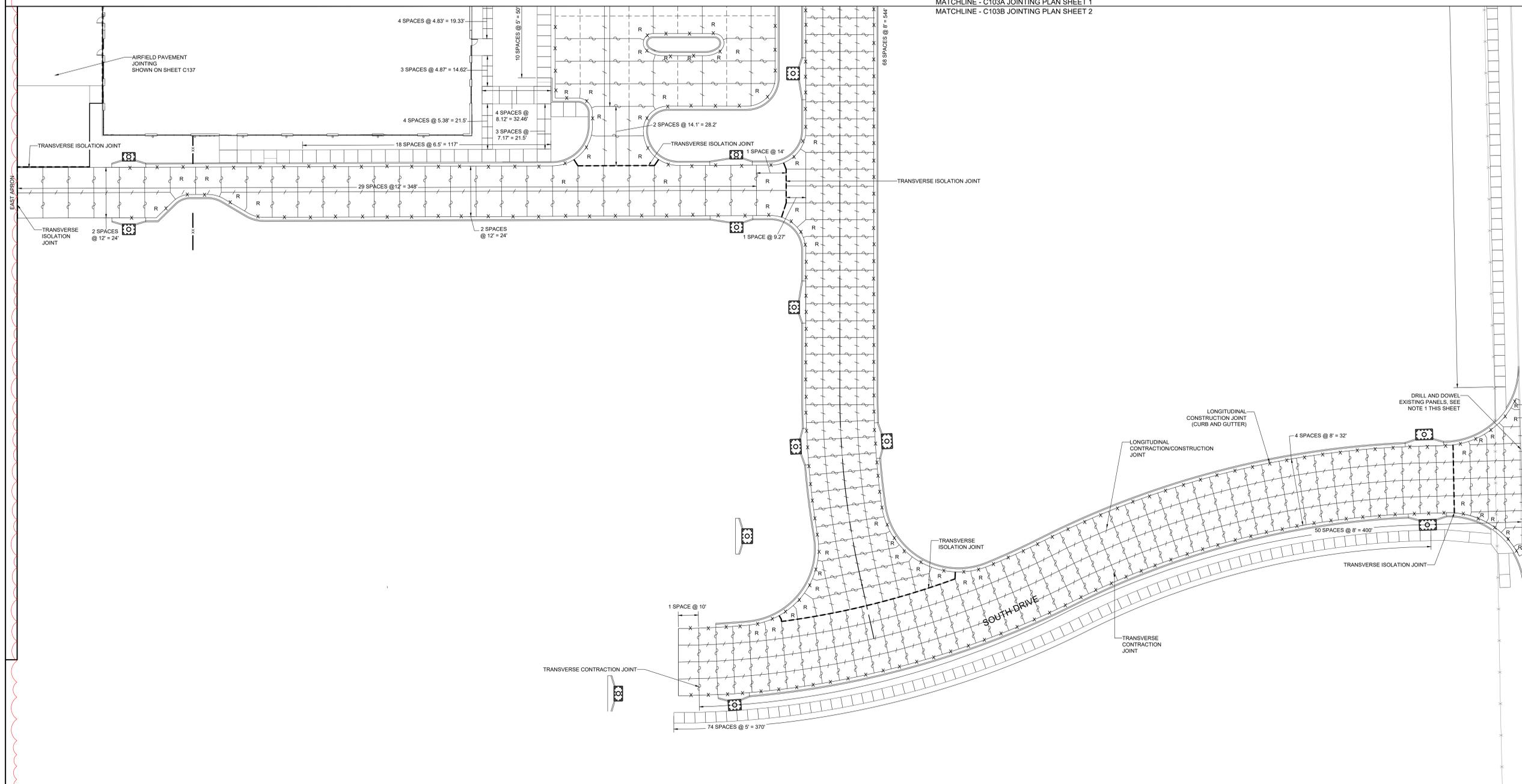
SHEET TITLE

**PAVEMENT JOINTING
PLAN SHEET 2 OF 2**

C103B

SHEET --- OF 133

MATCHLINE - C103A JOINTING PLAN SHEET 1
MATCHLINE - C103B JOINTING PLAN SHEET 2



JOINTING NOTES

1. DRILL AND BOND DOWEL BARS INTO EXISTING PAVEMENT PRIOR TO PLACEMENT OF NEW PCC. MATCH EXISTING JOINTING.
2. LONGITUDINAL CONSTRUCTION JOINT NOT NEEDED IF CURB AND GUTTER IS MONOLITHICALLY POURED.
3. L-SHAPED BARS ARE ACCEPTABLE FOR CONSTRUCTION JOINTS BUT SHALL REQUIRE EPOXY BE APPLIED TO ALL DOWEL BARS.
4. JOINTS ARE PRESENTED BASED ON AN EXPECTED PAVING PLAN FOR THIS PROJECT. CONTRACTOR MAY ELECT TO PAVE THE SITE DIFFERENTLY. HOWEVER, CONTRACTOR MUST PREPARE AND SUBMIT PAVING PLAN WITH AN ALTERNATIVE JOINTING PLAN TO ENGINEER FOR REVIEW. PAVING PLAN AND ALTERNATIVE JOINTING PLAN SHALL BE SUBMITTED AT LEAST 10 CALENDAR DAYS IN ADVANCE OF ANY SCHEDULED PAVES. NO ADDITIONAL COSTS TO THE CONTRACT SHALL BE INCURRED BY THE OWNER FOR THE PREPARATION OF AN ALTERNATIVE JOINTING PLAN. NO ADDITIONAL COSTS TO THE CONTRACT SHALL BE INCURRED BY THE OWNER IF AN ALTERNATIVE JOINTING PLAN IS ACCEPTED.
5. SEE SHEETS C138A-C138B FOR JOINTING DETAILS

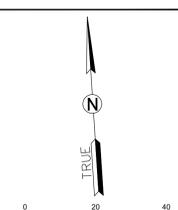
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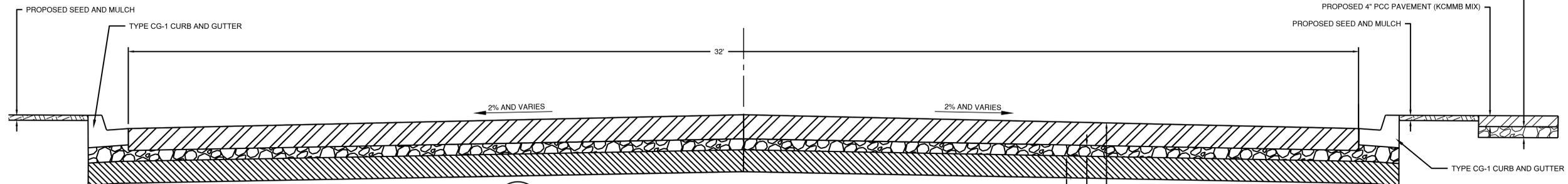
- TRANSVERSE ISOLATION JOINT
- |-|- TRANSVERSE CONSTRUCTION JOINT
- - - - DUMMY CONTRACTION JOINT
- x-x-x- LONGITUDINAL CONSTRUCTION JOINT (CURB AND GUTTER)
- /-/-/- LONGITUDINAL CONTRACTION/CONSTRUCTION JOINT
- |-|- TRANSVERSE CONTRACTION JOINT
- [Pattern] PANEL WITH THICKENED EDGE
- R ODD-SHAPED PANEL WITH MESH REINFORCEMENT

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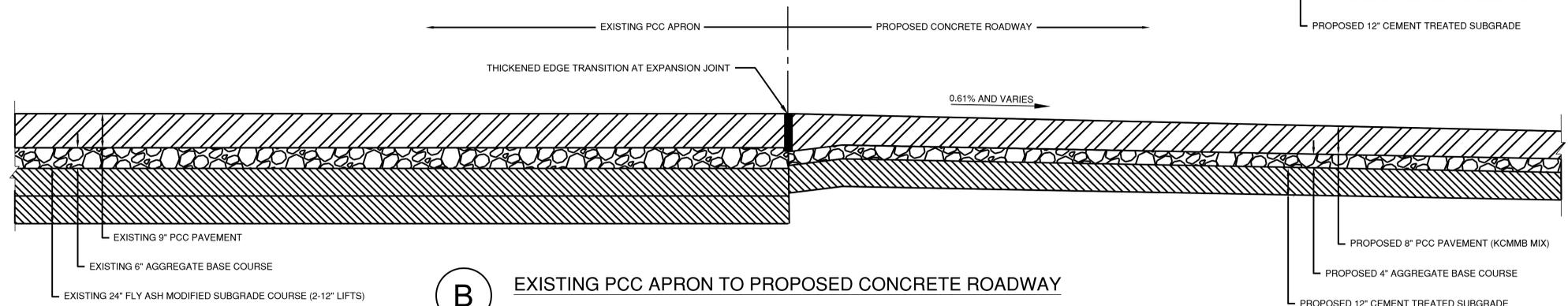
Development Services Department
Lee's Summit, Missouri

10/01/2024

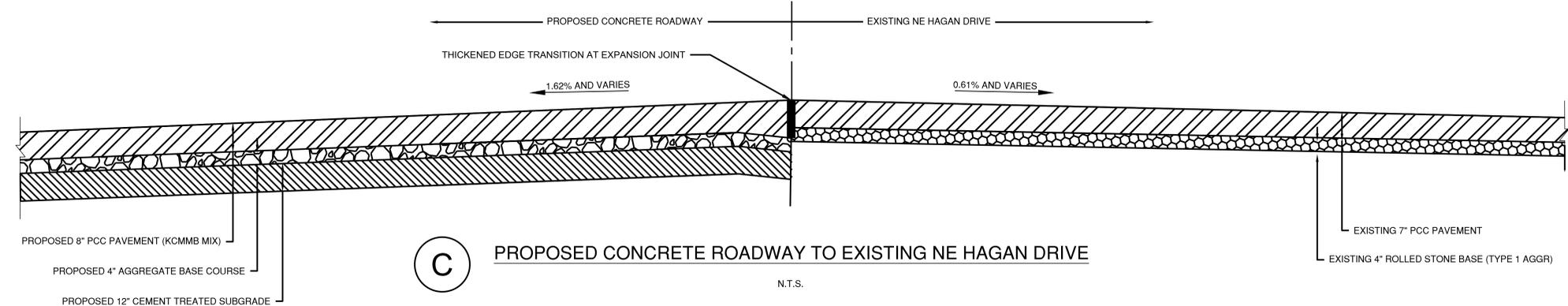




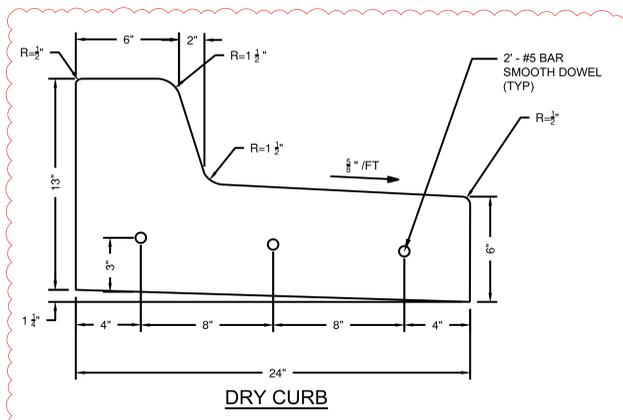
A PROPOSED CONCRETE ROADWAY CROSS SECTION
N.T.S.



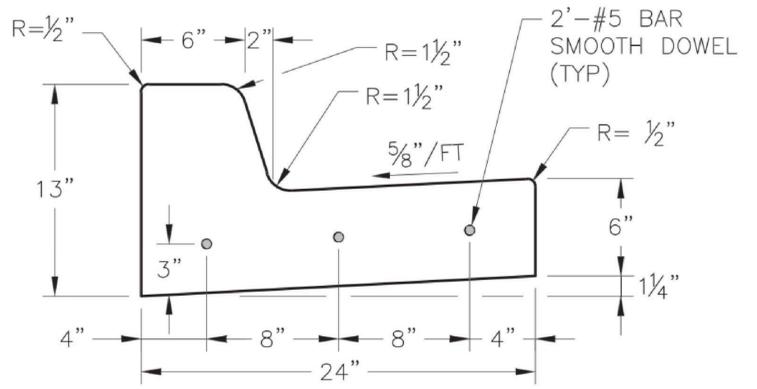
B EXISTING PCC APRON TO PROPOSED CONCRETE ROADWAY
N.T.S.



C PROPOSED CONCRETE ROADWAY TO EXISTING NE HAGAN DRIVE
N.T.S.



DRY CURB



D STRAIGHT BACK CURB AND GUTTER (TYPE CG-1)
N.T.S.

- NOTES:**
- 1/2" EXPANSION JOINTS WITH 2" DOWELS SHALL BE PLACED AT RADIUS POINTS AND AT 150' INTERVALS. THESE DOWELS SHALL BE GREASED AND WRAPPED ON ONE END WITH EXPANSION TUBES.
 - 1" DEEP CONTRACTION JOINTS SHALL BE INSTALLED TO MATCH TRANSVERSE JOINTS OF THE ADJACENT PAVEMENT. THESE JOINTS SHALL PASS ACROSS THE ENTIRE CURB SECTION.
 - FIX DOWELS WITH BAR SUPPORTS
 - CONCRETE SHALL CONFORM TO KCMMB 4K UNLESS OTHERWISE SPECIFIED IN THE PLANS AND PROJECT MANUAL. SEE SECTION 02290 - CURBING.
 - AT CENTER MARKS - USE 3/8" Ø X 2' SMOOTH DOWELS AT LOCATIONS SHOWN ON EACH TYPICAL SECTION.
 - DEPTH OF CURB SHALL BE MINIMUM OF 8" THRU THE HANDICAP ACCESS RAMP.
 - JOINT NOT NEEDED IF CURB & GUTTER IS MONOLITHICALLY POURED
 - FOR DRY CURBS, GUTTERS WILL BE SLOPED TO DRAIN WATER AWAY FROM THE FACE OF CURB. GRADE WILL BE THE SAME AS REGULAR CURB.

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10/01/2024



1627 MAIN STREET, SUITE 600
KANSAS CITY, MO 64108



1627 MAIN STREET, #100
KANSAS CITY, MO 64108



1301 BURLINGTON STREET
NORTH KANSAS CITY, MO 64116

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MISSOURI

EASTSIDE DEVELOPMENT
CITY PROJECT NO. - 47732472



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LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MO

09/13/24 REV 4

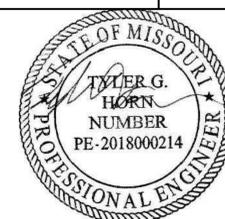
MARK	DATE	DESCRIPTION

PROJECT NO: 47732472
CAD DWG FILE: TYPICAL SECTIONS
DESIGNED BY: WLC
DRAWN BY: WLC
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SHEET TITLE
TYPICAL SECTIONS - SHEET 1
C127
SHEET 040 OF 133

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Date: Thursday, August 29, 2024 2:50:28 PM

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MISSOURI
EASTSIDE DEVELOPMENT
CITY PROJECT NO. - 47732472



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JANUARY 4, 2024

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MO

08/13/24 REV-4

MARK DATE DESCRIPTION

PROJECT NO: 47732472
CAD DWG FILE: JOINTING DETAILS
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SHEET TITLE

PAVEMENT JOINTING DETAILS

C138B

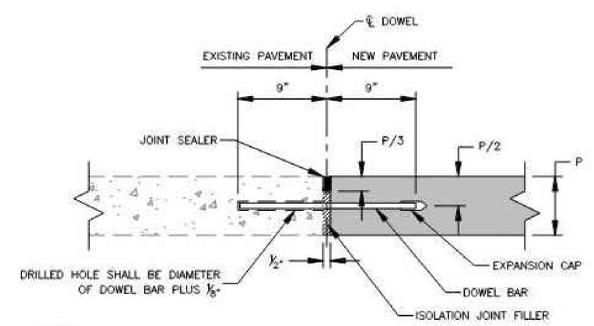
SHEET OF 133

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

STANDARD DETAILS
CITY OF LEE'S SUMMIT, MO
LEE'S SUMMIT, JACKSON COUNTY, MO
SHEET NUMBER:
TYPICAL PAVEMENT JOINT DETAILS

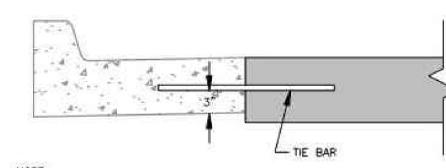
Drawn By: MIF
Checked By: GMB
Date: 08/2023
Proj. #:

GEN-10



- NOTES:**
- DOWEL BARS SHALL BE SMOOTH REINFORCING BARS.
 - DOWEL BARS SHALL BE BONDED INTO THE EXISTING PAVEMENT.
 - BONDING FOR DOWEL BARS SHALL BE EPOXY OR POLYESTER BONDING AGENTS.
 - THE PORTION OF THE DOWEL OUTSIDE THE HOLE SHALL BE COATED WITH AN APPROVED LUBRICANT.

4 TRANSVERSE ISOLATION JOINT

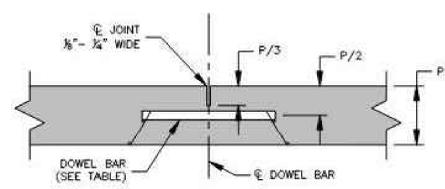


5 LONG CONSTRUCTION JOINT (CURB & GUTTER)

TABLE

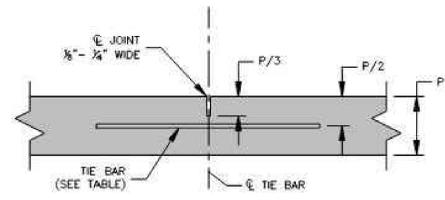
PCCP THICKNESS (P)	DOWEL SIZE	TIE BAR SIZE	DOWEL SPACING	TIE BAR SPACING	MAX. TRAN. SPACING	MAX. LONG. SPACING
6"	N/A	#5 x 30"	N/A	30" CTRS.	12'	12'
7"	1" x 18"	#5 x 30"	12" CTRS.	30" CTRS.	14'	14'
8"	1 1/4" x 18"	#5 x 30"	12" CTRS.	30" CTRS.	15'	14'
29"	1 1/2" x 18"	#5 x 30"	12" CTRS.	30" CTRS.	15'	15'

- GENERAL NOTES:**
- THE FINAL POSITION OF ALL DOWELS AND TIE BARS SHALL BE PERPENDICULAR TO THE PLANE OF THE JOINT AND PARALLEL TO THE SURFACE OF THE PAVEMENT AND PARALLEL TO EACH OTHER.
 - ALL DOWELS & TIE BARS SHALL BE EPOXY COATED.
 - DOWEL BARS SHALL BE PLACED AT 9 INCHES FROM LONGITUDINAL JOINTS.
 - TIE BARS SHALL BE PLACED AT 12 INCHES FROM TRANSVERSE JOINTS.
 - PANEL LENGTH TO WIDTH RATIO SHALL NOT EXCEED 1.25 TO 1.
 - DOWEL BASKET SHIPPING WIRE SHALL NOT BE CUT.
 - CONTRACTOR SHALL SUBMIT PROJECT SPECIFIC JOINTING PLAN AT LEAST TWO WEEKS BEFORE PAVING OPERATIONS.
 - IN ACCORDANCE WITH 2208.4.D, ALL JOINTS SHALL BE SEALED, INCLUDING CURB & GUTTER.

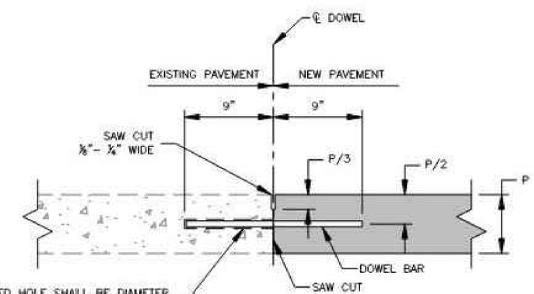


NOTE:
TRANSVERSE CONTRACTION JOINTS FOR CONCRETE PAVEMENT OR BASE WIDENING SHALL MATCH EXISTING JOINTS.

1 TRANSVERSE CONTRACTION JOINT

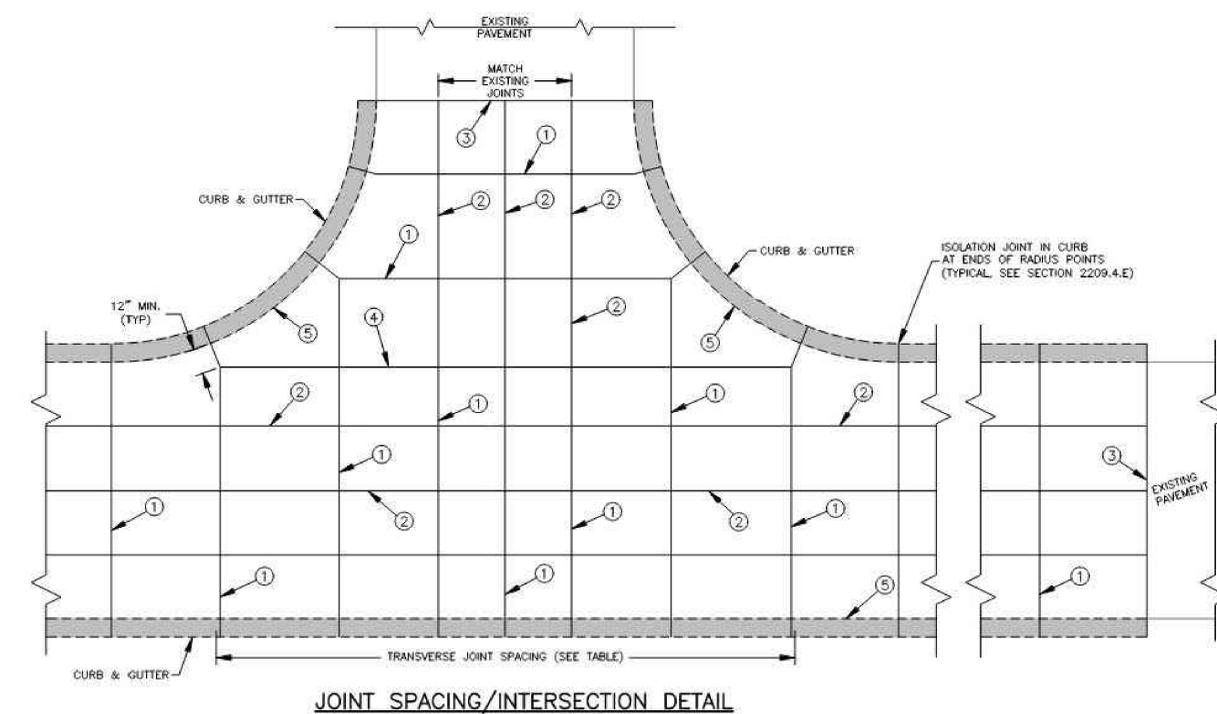


2 LONG CONTRACTION/CONSTRUCTION JOINT

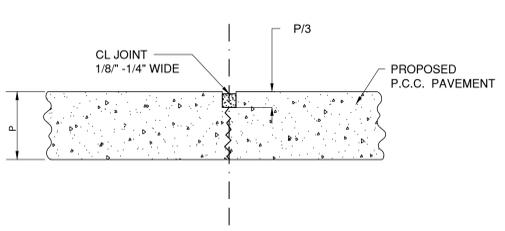


- NOTES:**
- DOWEL BARS SHALL BE SMOOTH REINFORCING BARS.
 - DOWEL BARS SHALL BE BONDED INTO THE EXISTING PAVEMENT.
 - BONDING FOR DOWEL BARS SHALL BE EPOXY OR POLYESTER BONDING AGENTS.
 - THE PORTION OF THE DOWEL OUTSIDE THE HOLE SHALL BE COATED WITH AN APPROVED LUBRICANT.

3 TRANSVERSE CONSTRUCTION JOINT



JOINT SPACING/INTERSECTION DETAIL



DUMMY CONTRACTION JOINT
SYMBOL

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10/01/2024

EXCESS FILL SITE
EXCESS SOIL MUST
BE SPREAD AND
COMPACTED

ALL SUITABLE EXCESS FILL SHALL BE PLACED IN CONTROLLED LIFTS,
COMPACTED AND TESTED IN THIS FILL SITE PER THE PROJECT
SPECIFICATIONS. TOPSOIL SHALL BE STRIPPED AND RE-COVERED ATOP
THE EXCESS FILL GRADED INTO THIS SITE. EXCESS FILL SHALL BE GRADED
TO DRAIN WITH SLOPES NOT TO EXCEED 6:1
SEE EROSION CONTROL PLAN FOR OVERVIEW OF FILL SITE.

SEE SHEET C108 FOR
STORMWATER BASIN DETAILS

GRADING DETAILS - AREA #2
SEE SHEET C107A

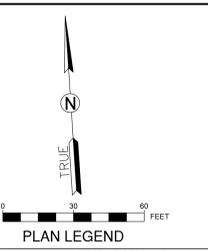
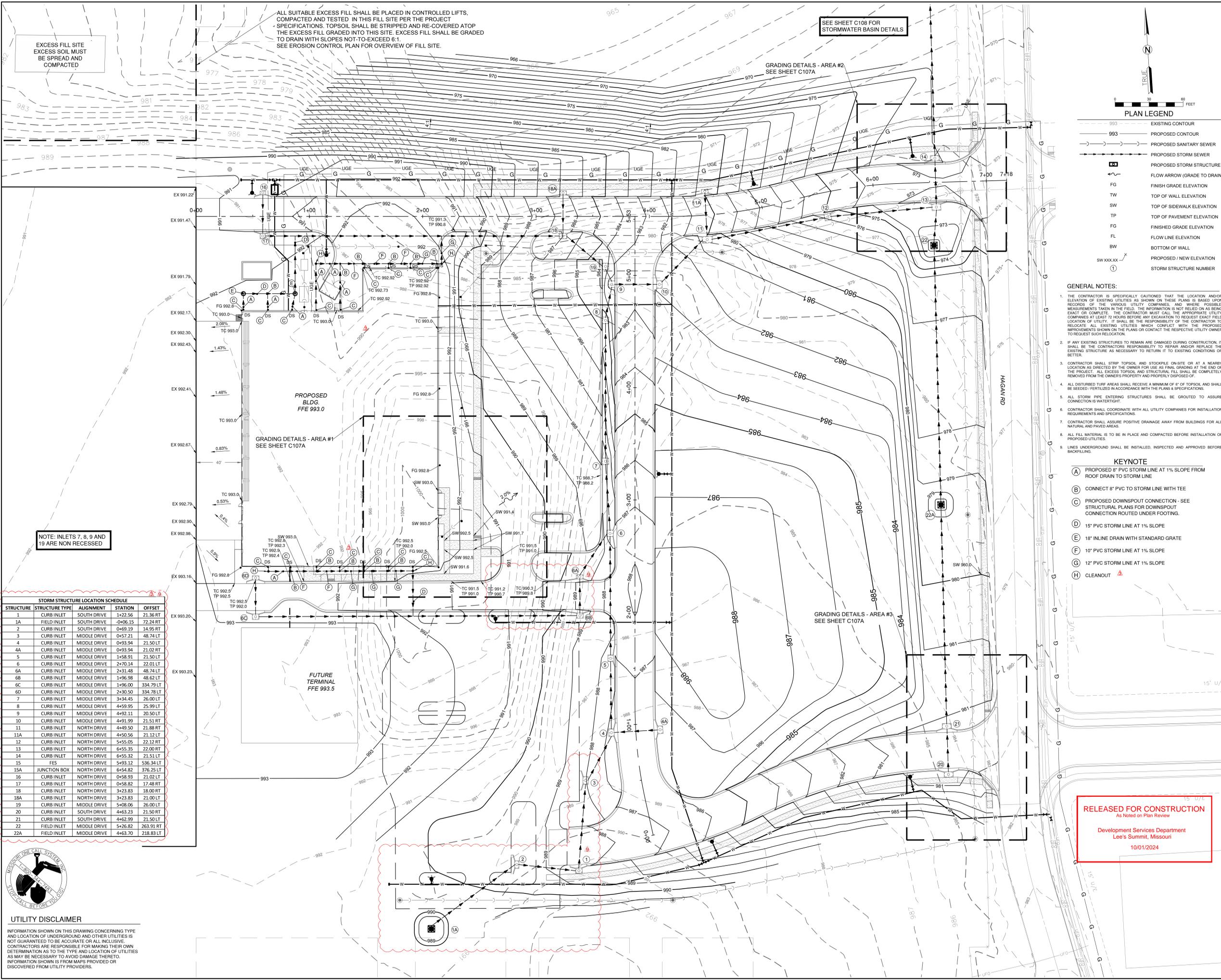
GRADING DETAILS - AREA #3
SEE SHEET C107A

NOTE: INLETS 7, 8, 9 AND
19 ARE NON RECESSED

STRUCTURE	STRUCTURE TYPE	ALIGNMENT	STATION	OFFSET
1	CURB INLET	SOUTH DRIVE	1+22.56	21.36 RT
1A	FIELD INLET	SOUTH DRIVE	-0+06.15	72.24 RT
2	CURB INLET	SOUTH DRIVE	0+49.19	14.95 RT
3	CURB INLET	MIDDLE DRIVE	0+57.21	48.74 LT
4	CURB INLET	MIDDLE DRIVE	0+93.94	21.50 LT
4A	CURB INLET	MIDDLE DRIVE	0+93.94	21.02 RT
5	CURB INLET	MIDDLE DRIVE	1+58.91	21.50 LT
6	CURB INLET	MIDDLE DRIVE	2+70.14	22.01 LT
6A	CURB INLET	MIDDLE DRIVE	2+31.48	48.74 LT
6B	CURB INLET	MIDDLE DRIVE	1+96.98	48.62 LT
6C	CURB INLET	MIDDLE DRIVE	1+96.00	334.79 LT
6D	CURB INLET	MIDDLE DRIVE	2+30.50	334.78 LT
7	CURB INLET	MIDDLE DRIVE	3+34.45	26.00 LT
8	CURB INLET	MIDDLE DRIVE	4+59.95	25.99 LT
9	CURB INLET	MIDDLE DRIVE	4+92.11	20.50 LT
10	CURB INLET	MIDDLE DRIVE	4+91.99	21.51 RT
11	CURB INLET	NORTH DRIVE	4+49.50	21.88 RT
11A	CURB INLET	NORTH DRIVE	4+50.56	21.12 LT
12	CURB INLET	NORTH DRIVE	5+55.05	22.12 RT
13	CURB INLET	NORTH DRIVE	6+55.35	22.00 RT
14	CURB INLET	NORTH DRIVE	6+55.32	21.51 LT
15	FES	NORTH DRIVE	5+93.12	536.34 LT
15A	JUNCTION BOX	NORTH DRIVE	6+54.82	376.25 LT
16	CURB INLET	NORTH DRIVE	0+58.93	21.02 LT
17	CURB INLET	NORTH DRIVE	0+58.82	17.48 RT
18	CURB INLET	NORTH DRIVE	3+23.83	18.00 RT
18A	CURB INLET	NORTH DRIVE	3+23.83	21.00 LT
19	CURB INLET	MIDDLE DRIVE	5+08.06	26.00 LT
20	CURB INLET	SOUTH DRIVE	4+63.23	21.50 RT
21	CURB INLET	SOUTH DRIVE	4+62.99	21.50 LT
22	FIELD INLET	MIDDLE DRIVE	5+26.82	263.91 RT
22A	FIELD INLET	MIDDLE DRIVE	4+63.70	218.83 LT



UTILITY DISCLAIMER
INFORMATION SHOWN ON THIS DRAWING CONCERNING TYPE
AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS
NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE.
CONTRACTORS ARE RESPONSIBLE FOR MAKING THEIR OWN
DETERMINATION AS TO THE TYPE AND LOCATION OF UTILITIES
AS MAY BE NECESSARY TO AVOID DAMAGE THERE TO.
INFORMATION SHOWN IS FROM MAPS PROVIDED OR
DISCOVERED FROM UTILITY PROVIDERS.



- GENERAL NOTES:**
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED UPON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS OR CONTACT THE RESPECTIVE UTILITY OWNER TO REQUEST SUCH RELOCATION.
 - IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
 - CONTRACTOR SHALL STRIP TOPSOIL AND STOCKPILE ON-SITE OR AT A NEARBY LOCATION AS DIRECTED BY THE OWNER FOR USE AS FINAL GRADING AT THE END OF THE PROJECT. ALL EXCESS TOPSOIL AND STRUCTURAL FILL SHALL BE COMPLETELY REMOVED FROM THE OWNER'S PROPERTY AND PROPERLY DISPOSED OF.
 - ALL DISTURBED TURF AREAS SHALL RECEIVE A MINIMUM OF 6" OF TOPSOIL AND SHALL BE SEEDS/ FERTILIZED IN ACCORDANCE WITH THE PLANS & SPECIFICATIONS.
 - ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUDED TO ASSURE CONNECTION IS WATER TIGHT.
 - CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
 - CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
 - ALL FILL MATERIAL IS TO BE IN PLACE AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
 - ALL LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.

- KEYNOTE**
- (A) PROPOSED 8" PVC STORM LINE AT 1% SLOPE FROM ROOF DRAIN TO STORM LINE
 - (B) CONNECT 6" PVC TO STORM LINE WITH TEE
 - (C) PROPOSED DOWNSPOUT CONNECTION - SEE STRUCTURAL PLANS FOR DOWNSPOUT CONNECTION ROUTED UNDER FOOTING.
 - (D) 15" PVC STORM LINE AT 1% SLOPE
 - (E) 18" INLINE DRAIN WITH STANDARD GRATE
 - (F) 10" PVC STORM LINE AT 1% SLOPE
 - (G) 12" PVC STORM LINE AT 1% SLOPE
 - (H) CLEANOUT

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Lee's Summit, Missouri
10/01/2024

CMT
1627 MAIN STREET, SUITE 600
KANSAS CITY, MO 64108

WELLNER ARCHITECTS, INC
1627 MAIN STREET, #100
KANSAS CITY, MO 64108

olsson
1301 BURLINGTON STREET
NORTH KANSAS CITY, MO 64116

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MISSOURI
EASTSIDE DEVELOPMENT
CITY PROJECT NO. - 47732472

STATE OF MISSOURI
TYLER G. HORN
NUMBER
PE-2018000214
SEALING DIGITALLY
JANUARY 4, 2024

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MO

MARK	DATE	DESCRIPTION
1	06/07/24	REV-3
2	09/13/24	REV-4

PROJECT NO: 47732472
CAD DWG FILE: GRADING PLAN
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SHEET TITLE
GRADING PLAN
C107
SHEET 016 OF 133

**LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MISSOURI**

**EASTSIDE DEVELOPMENT
CITY PROJECT NO. - 47732472**



LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MO

06/07/24 REV-3
09/13/24 REV-4

MARK	DATE	DESCRIPTION

PROJECT NO:	47732472
CAD DWG FILE:	STORM PROFILE - SHEET 3
DESIGNED BY:	WLC
DRAWN BY:	WLC
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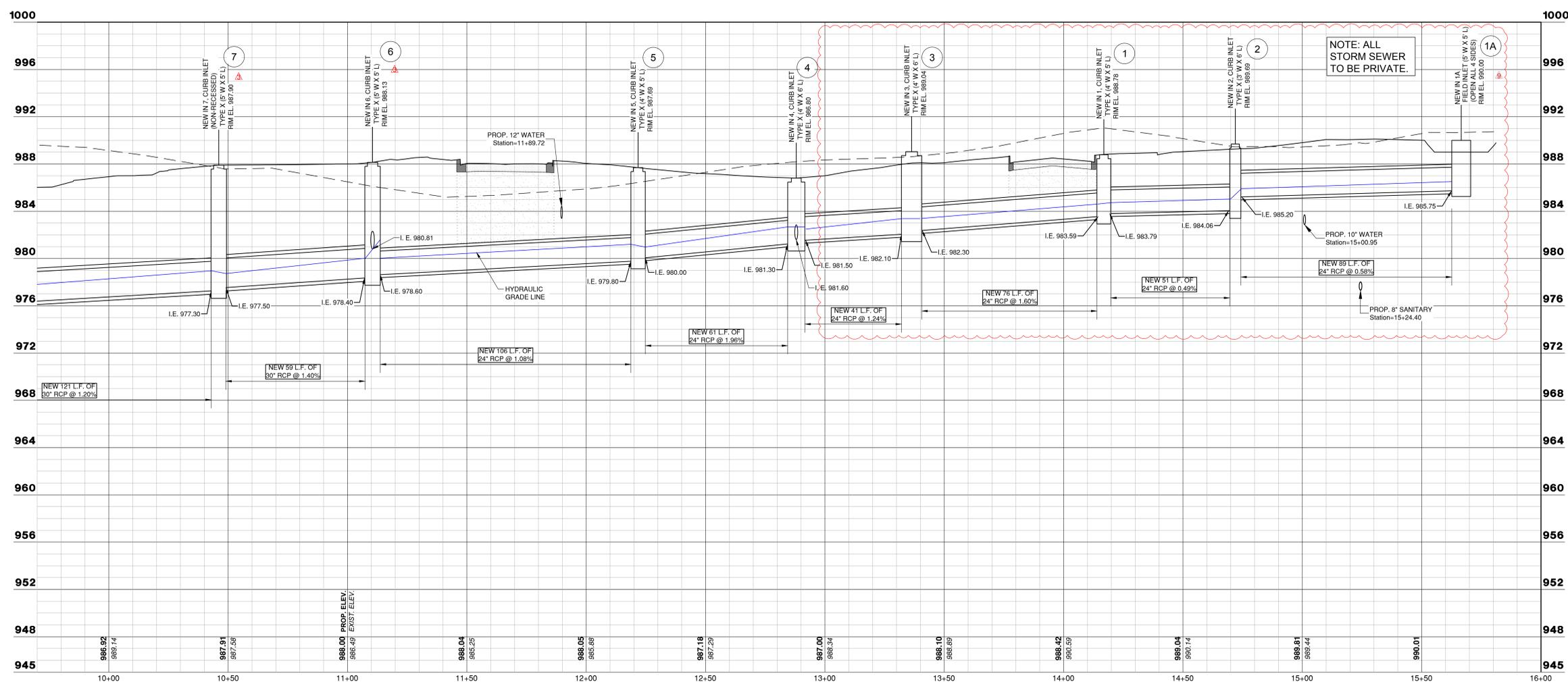
**STORM PROFILE -
SHEET 2**

C110

SHEET 020 OF 133

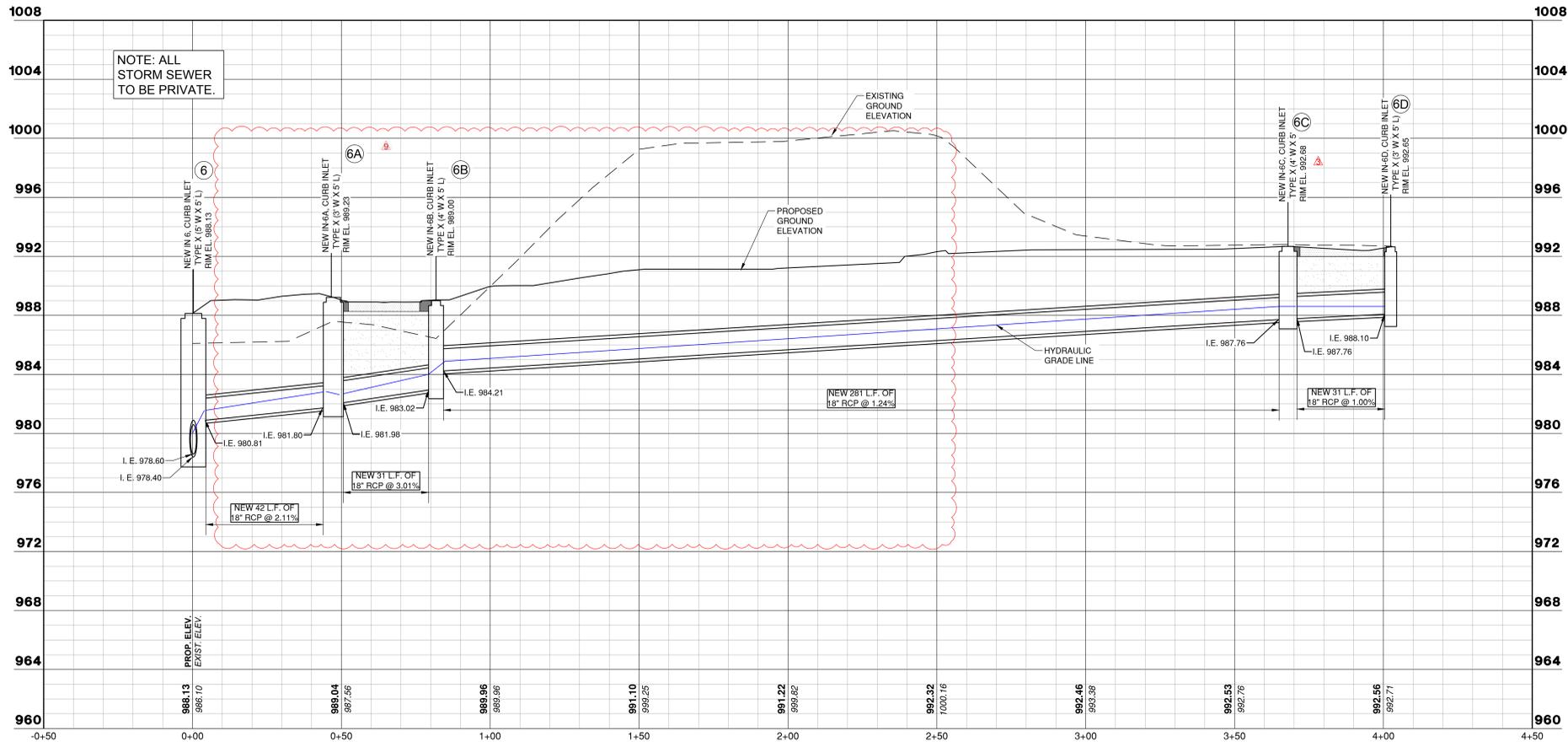
LEGEND

- NEW SIDEWALK
- NEW PAVEMENT
- NEW TRENCH BACKFILL
- NEW CURB AND GUTTER
- EXISTING GROUND ELEVATION
- PROPOSED GROUND ELEVATION
- 25 YEAR HYDRAULIC GRADE LINE



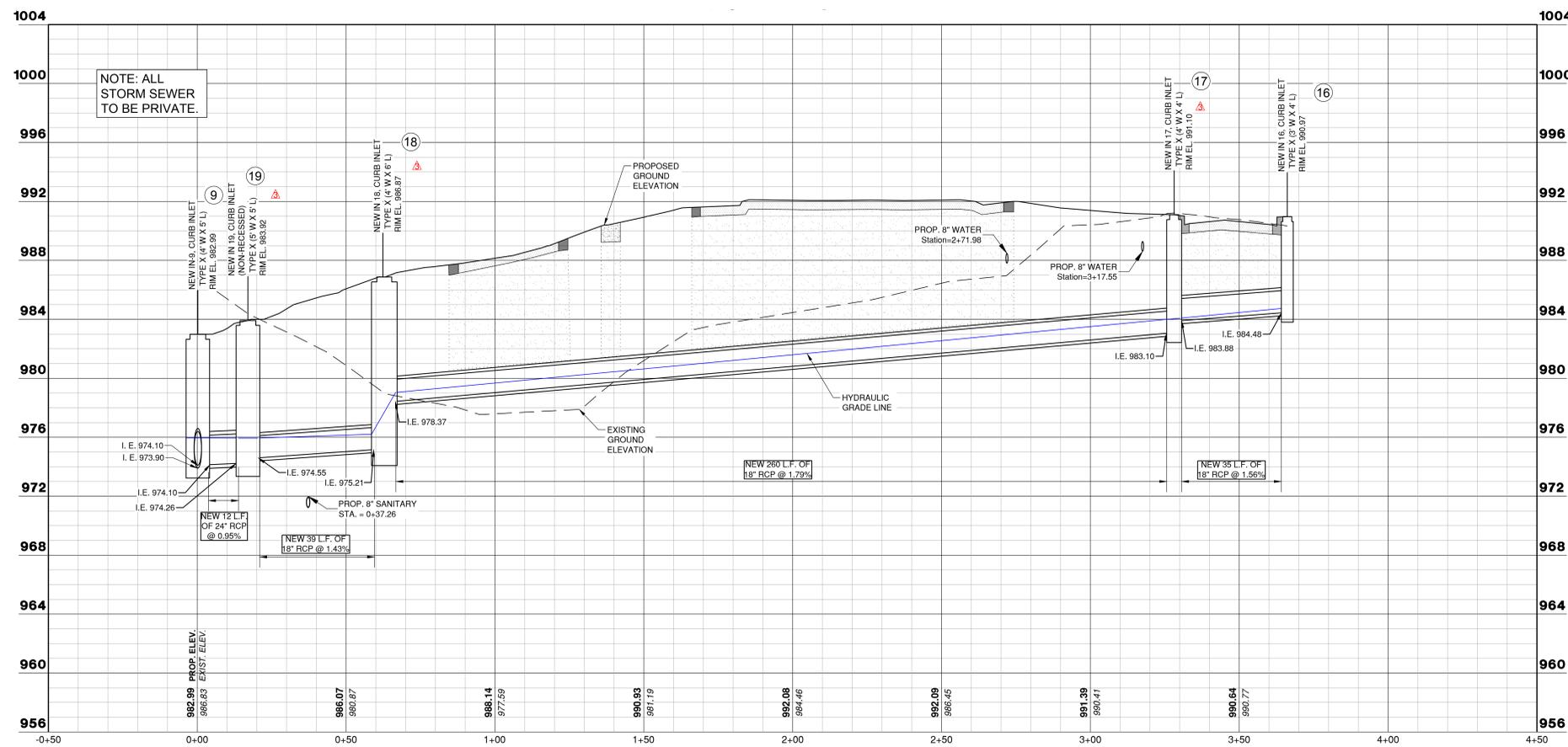
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10/01/2024



LEGEND

- NEW SIDEWALK
- NEW PAVEMENT
- NEW TRENCH BACKFILL
- NEW CURB AND GUTTER
- EXISTING GROUND ELEVATION
- PROPOSED GROUND ELEVATION
- 25 YEAR HYDRAULIC GRADE LINE



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KANSAS CITY, MO 64108



1627 MAIN STREET, #100
KANSAS CITY, MO 64108



1301 BURLINGTON STREET
NORTH KANSAS CITY, MO 64116

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MISSOURI

EASTSIDE DEVELOPMENT
CITY PROJECT NO. - 47732472



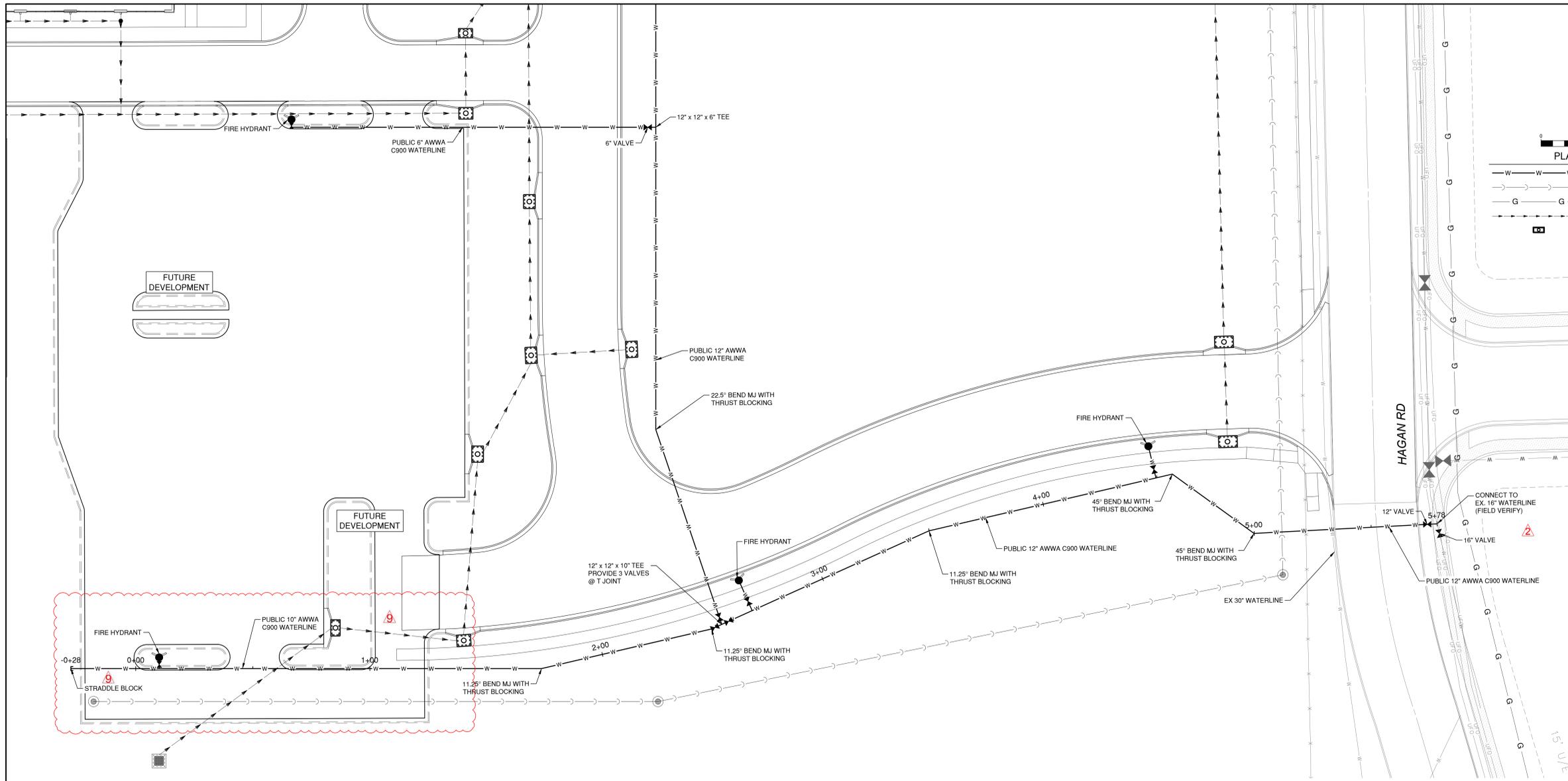
LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MO

MARK	DATE	DESCRIPTION
▲	06/07/24	REV-3
●	09/13/24	REV-4

PROJECT NO.:	47732472
CAD DWG FILE:	STORM PROFILE - SHEET 3
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STORM PROFILE - SHEET 3

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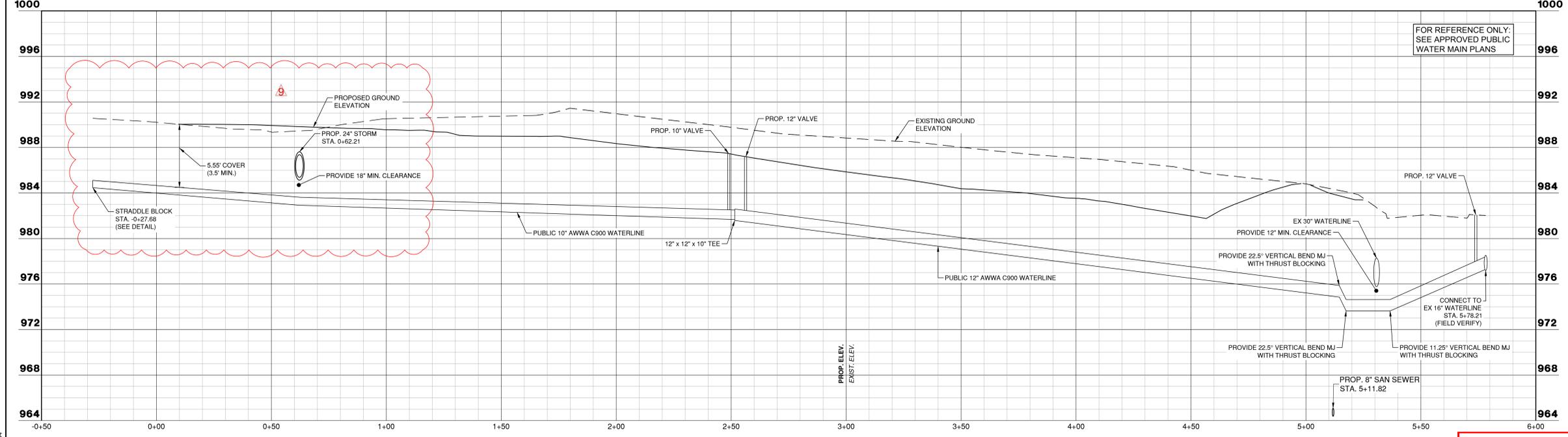
PLAN LEGEND

- W — W — W — PROPOSED WATER LINE
- - - - - PROPOSED SANITARY SEWER
- - - - - G — G — G — PROPOSED GAS
- - - - - PROPOSED STORM SEWER
- PROPOSED STORM STRUCTURE

0 20 40 FEET

TRUE

SOUTH PROFILE



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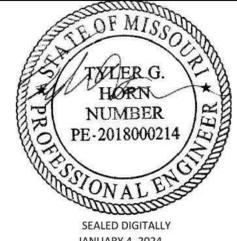
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**LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MISSOURI**

**EASTSIDE DEVELOPMENT
CITY PROJECT NO. - 47732472**



LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MO

▲	03/29/24	REV-3
○	09/13/24	REV-4

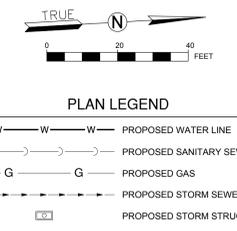
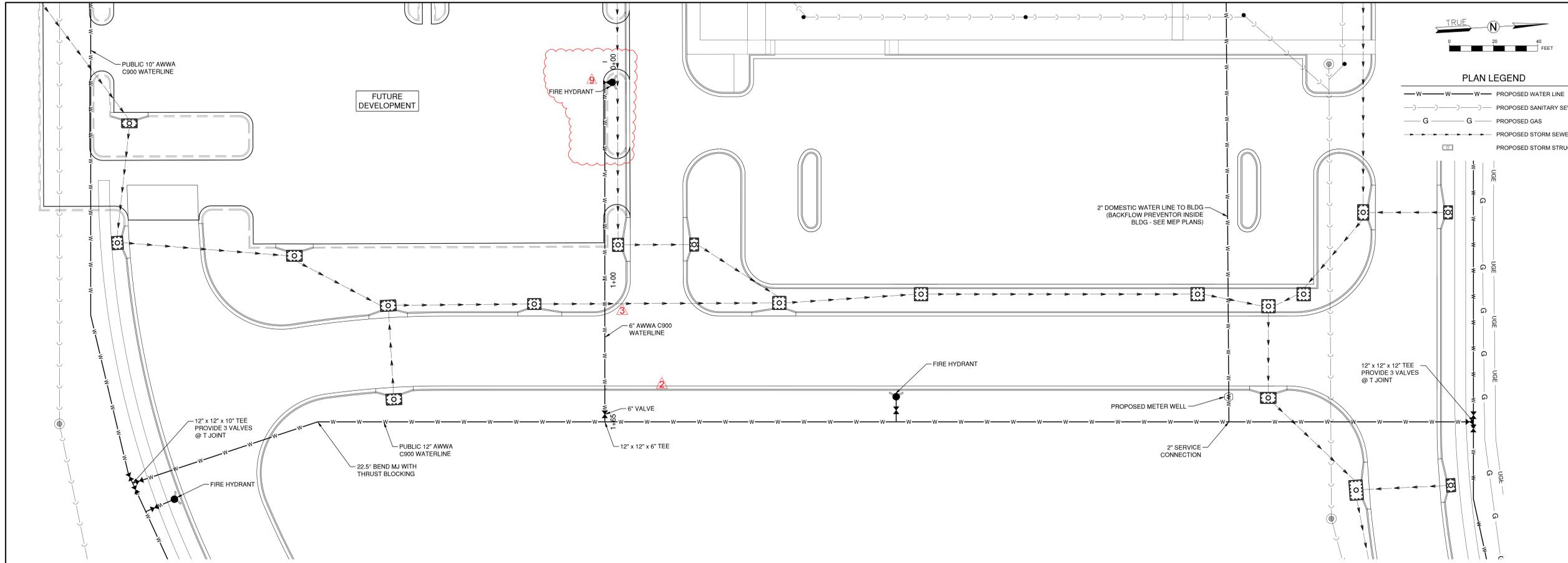
MARK	DATE	DESCRIPTION

PROJECT NO: 47732472
CAD DWG FILE: WATER LINE PLAN & PROFILE - SHEET 3
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WATER LINE PLAN & PROFILE - SHEET 1

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SHEET 028 OF 133

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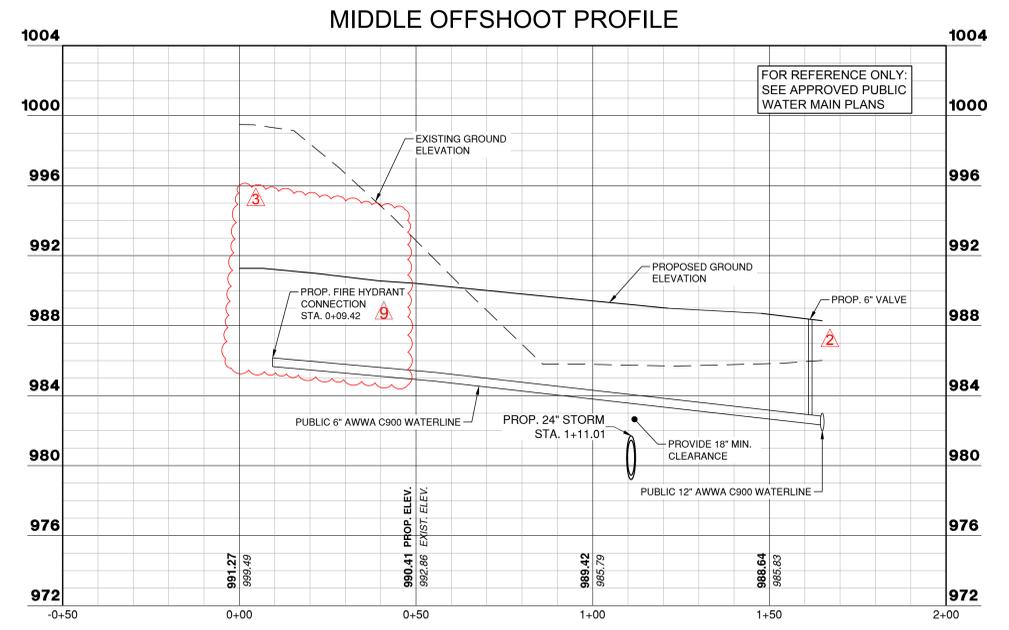
CMT
1627 MAIN STREET, SUITE 600
KANSAS CITY, MO 64108

WELLNER ARCHITECTS, INC
1627 MAIN STREET, #100
KANSAS CITY, MO 64108

olsson
1301 BURLINGTON STREET
NORTH KANSAS CITY, MO 64116

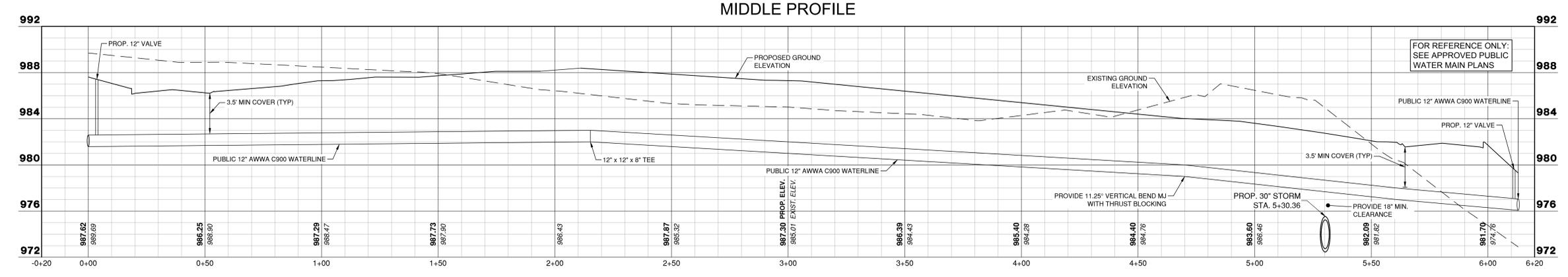
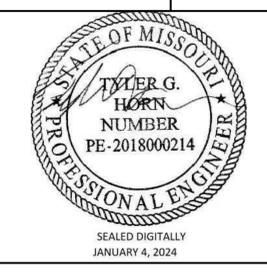
LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MISSOURI

EASTSIDE DEVELOPMENT
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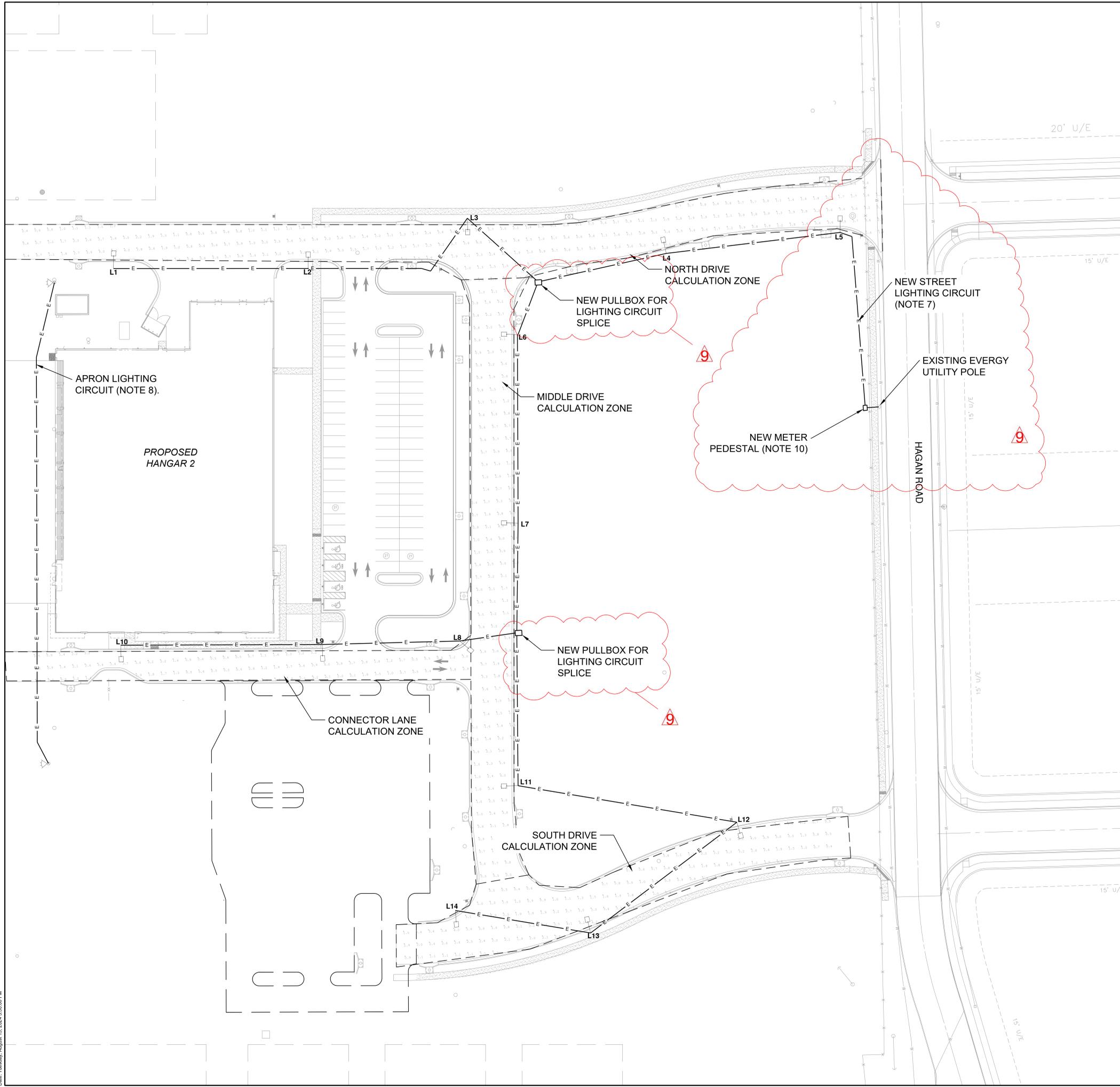
LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MO

MARK	DATE	DESCRIPTION
▲	03/29/24	REV-3
▲	05/07/24	REV-3
▲	09/13/24	REV-4

PROJECT NO: 47732472
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WATER LINE PLAN & PROFILE - SHEET 2

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ELECTRICAL LEGEND

- NEW LUMINAIRE WITH 3' MAST ARM ON 25' LIGHT POLE
- PHOTOMETRIC CALCULATION ZONE BOUNDARY
- NEW ELECTRICAL STREET LIGHTING CIRCUIT
- EXISTING APRON LIGHT POLE

LIGHTING NOTES

Acceptable Luminaire Manufacturers:

Manufacturer	Model No.	Distribution
Cooper Lighting	VERD-M-CA3-150-722-U-T2	Type II

1. LED LUMINAIRE SHALL BE OF THE MANUFACTURER AND TYPE DENOTED ABOVE.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING, INSTALLING, AND WIRING NEW LIGHT POLES. THE LIGHT POLES SHALL MEET THE FOLLOWING CRITERIA:
 - 2.1. 25' LIGHT MOUNTING HEIGHT
 - 2.2. 3' MAST ARMS. MAST ARMS SHALL ALLOW PROPER CONNECTION AND MOUNTING OF LIGHT FIXTURES. THOSE FIXTURES SHALL BE ACUTY BRANDS AUTOBAHN FIXTURES AS INDICATED IN THE ACCEPTABLE LUMINAIRE MANUFACTURERS TABLE.
 - 2.3. COLOR: BLACK
 - 2.4. CONTRACTOR SHALL PROVIDE SUBMITTAL SUBJECT TO APPROVAL BY ENGINEER
 - 2.5. LIGHT POLE SHALL BE INSTALLED ON A CONCRETE BASE AS SHOWN ON THE ELECTRICAL DETAILS PLAN SHEET.
3. LIGHT LEVELS FOR EACH PORTION OF THE PROJECT AREA SHALL BE IN ACCORDANCE WITH THE FOLLOWING FIXTURE ILLUMINANCE TABLE.

PROPOSED LIGHT EMITTING DIODE (LED) FIXTURE ILLUMINANCE (Fc) WITH 0.7 LLF

CALCULATION ZONE	AVERAGE	MAXIMUM	MINIMUM	AVG/MIN	MAX/MIN
North Drive	1.75	4.2	0.4	4.38	10.5
Middle Drive	1.9	4.1	0.5	3.8	8.2
South Drive	1.88	4.2	0.4	4.7	10.5
Connector Lane	1.65	4	0.4	4.13	10

ELECTRICAL NOTES

1. TO FEDERAL, STATE, AND LOCAL STATUTES. NOTIFY MISSOURI ONE-CALL SYSTEM, INC. AT LEAST 48 HOURS PRIOR TO ANY DIGGING, TRENCHING, EXCAVATION, ETC.
2. INFORMATION SHOWN ON THIS DRAWING CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING DETERMINATION OF TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.
3. FIELD VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING WORK. ANY INTERFERENCE SHALL BE BROUGHT TO ATTENTION OF THE ARCHITECT AND ENGINEER FOR DIRECTION.
4. PROVIDE EQUIPMENT GROUNDING CONDUCTOR THROUGHOUT EACH BRANCH CIRCUIT. CONDUCTOR MAY NOT BE INDICATED GRAPHICALLY.
5. ALL STREET LIGHTING FIXTURES AND INSTALLATIONS SHALL BE 240V, SINGLE-PHASE, AND INSTALLED IN ACCORDANCE WITH THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL SECTION 5800.
6. STREET LIGHTING CIRCUITS SHALL BE FED FROM EXISTING EVERGY UTILITY SOURCE.
7. STREET LIGHTING CIRCUITS SHALL BE 2 X #6 XLP-USE, #10 GND IN 1" CONDUIT.
8. EXTEND APRON LIGHTING CIRCUIT FROM NORTHERN APRON LIGHT TO POWER SOUTHERN APRON LIGHT. APRON LIGHTING CIRCUIT SHALL BE 2 X #4 XLP-USE, 1 X #6 GROUND IN UNIT DUCT. CONTRACTOR SHALL CONNECT NEW CIRCUIT GROUND CONDUCTOR TO EXISTING POLE GROUND LUG.
9. ALL STREET LIGHT POLES MUST BE INSTALLED A MINIMUM OF 3' FROM THE CURB, WHERE APPLICABLE.
10. INSTALL NEW METER PEDESTAL FOR STREET LIGHTING SERVICE. PEDESTAL SHALL INCLUDE METER SOCKET AND POWER SUPPLY AS SHOWN ON DETAILS, AND IN ACCORDANCE WITH CITY OF LEE'S SUMMIT STANDARDS.

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LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MISSOURI

EASTSIDE DEVELOPMENT
CITY PROJECT NO. - 47732472



LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MO

NO.	DATE	REVISION
9	09/13/24	REVISION 4

MARK	DATE	DESCRIPTION
PROJECT NO:	47732472	
CAD DWG FILE:	LIGHTING SITE PLAN	
DESIGNED BY:	WLC	
DRAWN BY:	WLC	
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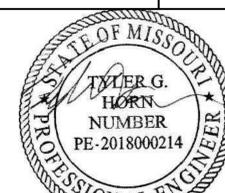
LIGHTING SITE PLAN

C135

SHEET 048 OF 133

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**LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MISSOURI
EASTSIDE DEVELOPMENT
CITY PROJECT NO. - 47732472**



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LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MO

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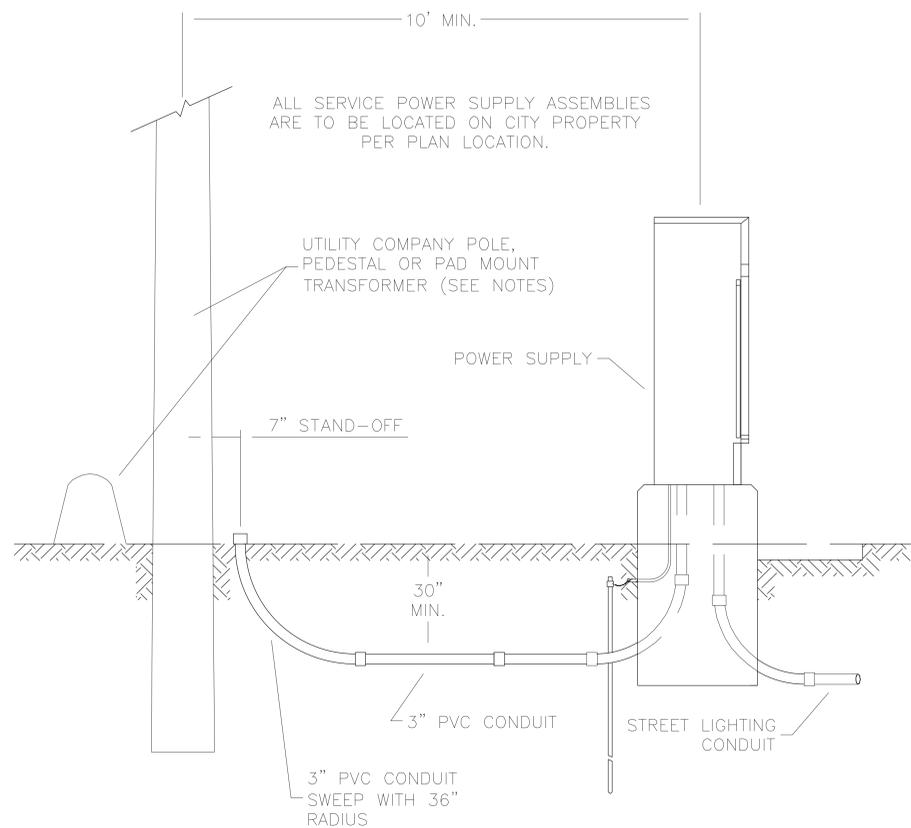
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**LIGHTING PEDESTAL
DETAILS**

C136A

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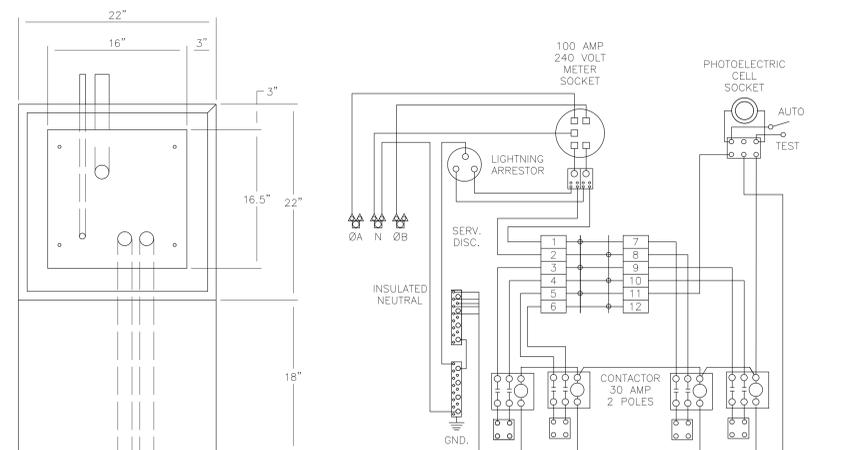


NOTES:

1. CONTRACTOR SHALL INSTALL A CONDUIT STUB 24" TO 6" ABOVE GROUND AT UTILITY POLES. CONDUIT SHALL BE STUBBED TO THE SIDE OF THE POLE THAT WILL ALLOW A DIRECT RUN UP THE POLE TO THE TRANSFORMER WITHOUT CROSSING OTHER UTILITY LINES OR CABLES. THE END OF THE CONDUIT SHALL BE CAPPED.
2. CONTRACTOR SHALL INSTALL CONDUIT IN A TRENCH TO WITHIN 24" OF PEDESTALS OR PAD MOUNT TRANSFORMERS AND LEAVE A 36" X 36" X 36" ACCESS HOLE IN THE GROUND. CONTRACTOR SHALL KEEP OPEN TRENCH COVERED AND PROMPTLY BACKFILL ACCESS HOLE WHEN SERVICE IS COMPLETED.

1 SECONDARY SERVICE CONNECTION DETAILS

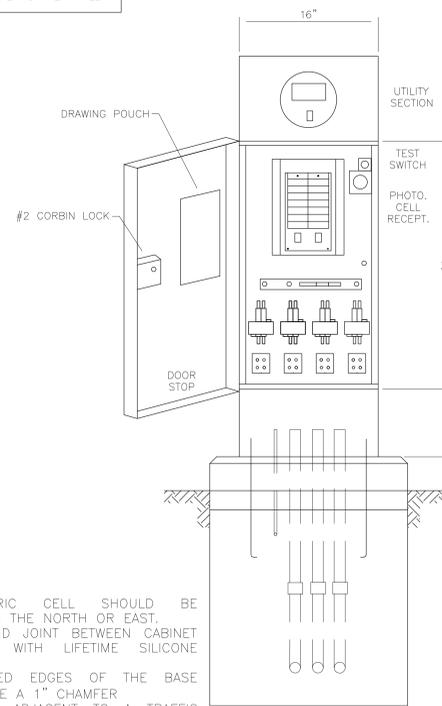
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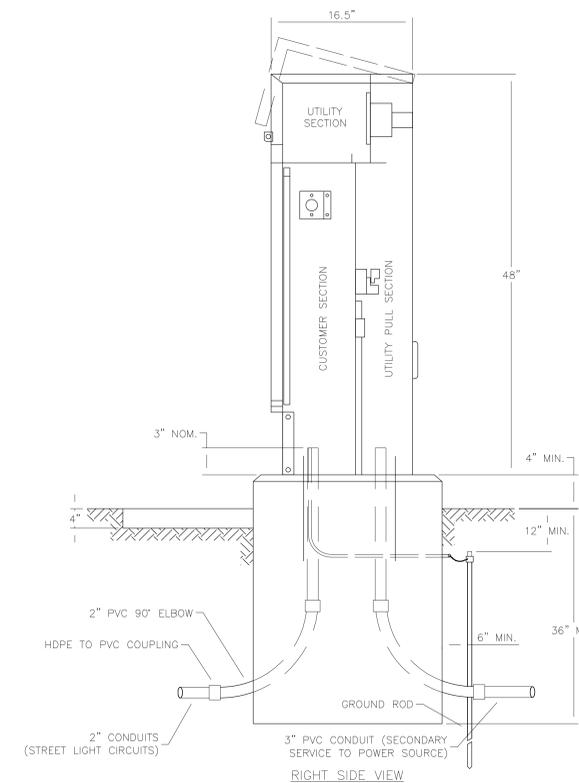
PLAN VIEW

WIRING SCHEMATIC

FUSED CONTACTORS
ARE NOT PERMITTED



FRONT VIEW



RIGHT SIDE VIEW

NOTES:

1. PHOTOELECTRIC CELL SHOULD BE ORIENTED TO THE NORTH OR EAST.
2. SEAL AROUND JOINT BETWEEN CABINET AND BASE WITH LIFETIME SILICONE CAULK.
3. ALL EXPOSED EDGES OF THE BASE SHOULD HAVE A 1" CHAMFER
4. IF BASE IS ADJACENT TO A TRAFFIC SIGNAL CONTROLLER, RAISED PORTION OF BASE (ABOVE FINISHED GRADE) SHOULD BE CONSTRUCTED TO THE SAME HEIGHT AS THE SIGNAL CONTROLLER BASE.
5. THE STREET ADDRESS WITH THE POWER SUPPLY NUMBER BELOW IT SHOULD BE LABELED ON THE UPPER PORTION OF THE CABINET FACING THE STREET. THE CONTRACTOR WILL SUPPLY AND INSTALL STICKERS.

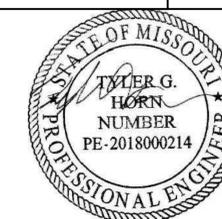
2 4-CIRCUIT POWER SUPPLY DETAIL

NOT TO SCALE

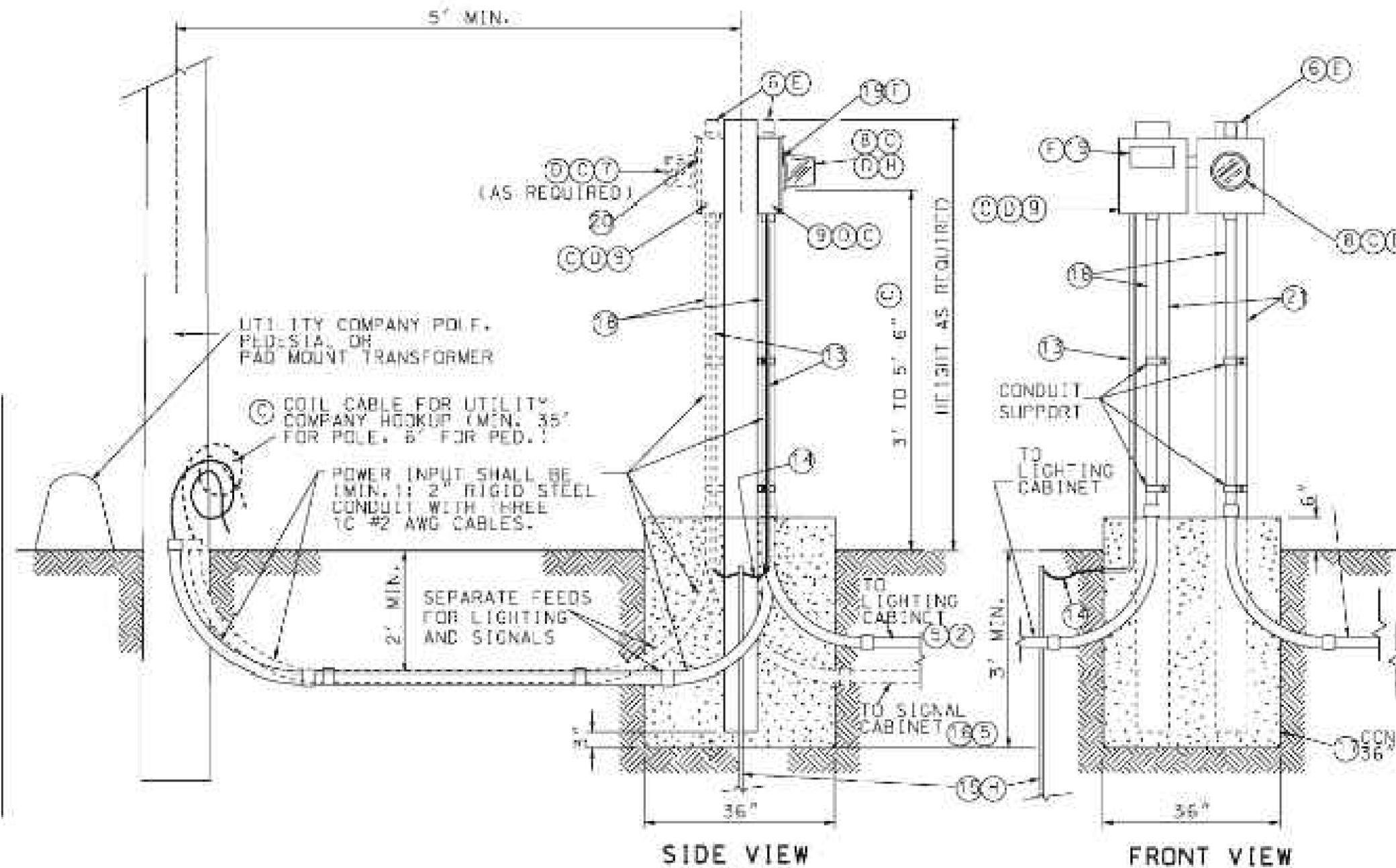
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Lee's Summit, Missouri
10/01/2024

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MISSOURI
EASTSIDE DEVELOPMENT
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1 PHOTOELECTRIC CELL WIRING DIAGRAM

NOT TO SCALE

POLE WIRING NOTES

- POLE WIRING PEDESTAL AND RISER DETAILS ARE DERIVED FROM MODOT STANDARD PLANS FOR HIGHWAY CONSTRUCTION.

ITEM	DESCRIPTION
1	SERVICE POLE 30' MIN., CLASS 4 WOOD, CONTRACTOR PROVIDED, MODOT OWNED*
2	#2 AWG MIN. CABLE, 600 VOLT *
3	SERVICE ENTRANCE HEAD
4	GUY CABLE, AS REQUIRED
5	RIGID CONDUIT, 2" MIN., WITH PREFORMED ELBOWS
6	LIGHTNING ARRESTER, VALVE TYPE, 2 POLE, 650 VOLT
7	METER SOCKET, 200 AMP, FOR SIGNALS
8	METER SOCKET, 200 AMP, FOR LIGHTING
9	LOCKING, RAINTIGHT, NEMA 4 SERVICE DISCONNECT BOX
10	INSULATED, GROUNDABLE NEUTRAL WIRE, 200 AMP MINIMUM
11	SIGNAL BREAKERS, SINGLE POLE, 40A MIN, TYPE A OR B *
12	LIGHTING BREAKER, 2 POLE, 240 VOLT, 100A, TYPE A OR B
13	1/2" METAL CONDUIT
14	#2 AWG MIN. GROUND WIRE
15	GROUND ROD, 3/4" x 8' MIN.
16	#8 AWG MIN. CABLE, 600 VOLT *
17	CLASS B CONCRETE, 0.92 C.Y. ±
18	THREADED CONDUIT HUB WITH SEALING WASHERS
19	WEATHERPROOF ADHESIVE LABEL (LIGHTING), VINYL RAISED LETTERING (OR EQUIVALENT, SEE DETAIL)
20	WEATHERPROOF ADHESIVE LABEL (SIGNALS), VINYL RAISED LETTERING (OR EQUIVALENT, SEE DETAIL)
21	W6 x 9 OR W6 x 15 GALVANIZED POST
22	#2 AWG MIN. CABLE, 600 VOLT
23	RIGID CONDUIT, 2" MINIMUM
*	SEE PLANS

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LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MO

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**LIGHTING PEDESTAL
DETAILS III**

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