



J.E. Dunn Construction Company
1001 Locust St
Kansas City MO 64106

Request For Information 19070902-0552

Printed On: 07/07/2022

Page 1 of 1

Subject: Area A - Exterior Tie for Sanitary Fall

Date: 07/07/2022

Project: LSR7 2020 Bond - Lees Summit High School

Job: 19070902

Address: 400 SE Blue Pkwy

Required: 07/12/2022

Lees Summit MO 64063 US

Est. Cost Impact: \$

Phone:

Fax:

Est. Days Impact:

To: Steve Vukelich

GOULD EVANS INC

From: J.E. Dunn Construction Company Emily Allen

Co-Author:

Contact:

Co-Author RFI Number:

Reference:

Spec Section:

Drawings: P111

Spec Section:

Drawings: C560

Spec Section:

Drawings: C620

Request

Please see attached RFI from RMC Plumbing. Please confirm if the building sanitary sewer can run straight north from the building and connect to the existing 8" sewer.

Suggestion

Answer ☐ Accept Suggestion

KVE reviewed the proposed alignment of the Building B Sewer line and verified that the proposed service line should be clear of all utility conflicts. Reference Plan Sheet C560 (Revision 9) for recommended install information. Prior to Construction, Approval from the City of Lee's Summit is required.

Answered By: David Wood

Signed: _____

Date: 7-20-2022

Author:

Notes:

Distribution:



RODRIGUEZ
MECHANICAL CONTRACTORS

REQUEST FOR INFORMATION

RMC – RFI #51
DATE: 07/07/2022
To: Andre Grant
JE Dunn

JOB: Lee's Summit High School

In Area A & B the existing 5" sanitary line was flat thru out the building. in some cases, it had back fall.

We connected at the highest point in Area B that picks up the existing west restrooms. From this point we ran the new 6" sanitary piping at 1% using a pipeline laser for grade. Where the sanitary leaves the building there is only 1 ½" of grade to the existing manhole #8000.

To meet a 1% grade from the building to the sanitary sewer can the building sewer run straight north from the building and tie into existing 8" sewer.

See attached drawings:

541 S. 11th Street • Kansas City, Kansas 66105
(913) 281-1814 • Fax (913) 621-4354

"Equal Opportunity Employer"

Lee's Summit High School

400 SE Blue Pkwy
Lee's Summit, MO 64063

owner:
Lee's Summit R-7 School District
123 Anystreet
Lee's Summit, MO 64086

architect:
Gould Evans
4200 Pennsylvania Avenue
Kansas City, MO 64111
816.931.6655 voice
www.gould-evans.com

structural engineer:
Bob D. Campbell & Company, Inc.
4338 Bellevue
Kansas City, MO 64111
816.331.4144

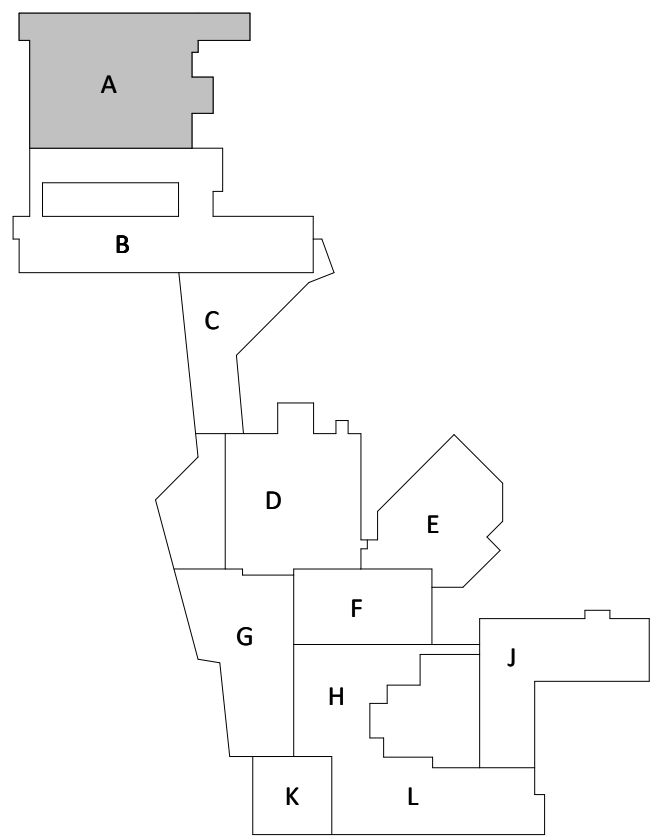
civil engineer:
Kaw Valley Engineering
14700 West 134th Terrace
Lenexa, KS 66215
913.485.0318

mechanical/electrical engineer:
Henderson Engineers
8345 Lenexa Drive, Suite 300
Lenexa, KS 66214
913.742.5000

PLUMBING PLAN NOTES:

- P1 DO NOT INSTALL PLUMBING PIPING OVER ELECTRICAL PANELS OR EQUIPMENT.
- P7 REPLACE EXISTING SANITARY PIPING WITH NEW BELOW SLAB. RECONNECT NEW SANITARY PIPING INTO THE EXISTING SANITARY SYSTEM. FIELD VERIFY THAT THE EXISTING SANITARY SYSTEM'S LOCATION, SIZE, INVERT AND DIRECTION OF FLOW IS COMPATIBLE FOR MEETING THE NEW SANITARY PIPE CONNECTION AND REQUIREMENTS. MODIFY ROUGH-INS AS REQUIRED. NOTIFY THE ARCHITECT AS SOON AS POSSIBLE IF CONFLICTS ARE FOUND WITH NEW DESIGN AND THE EXISTING SYSTEM.
- P9 CONNECT NEW WATER PIPING INTO THE EXISTING WATER SYSTEM. FIELD VERIFY THAT THE EXISTING WATER SYSTEM'S LOCATION, SIZE, INVERT AND DIRECTION OF FLOW IS COMPATIBLE FOR MEETING THE NEW WATER PIPE CONNECTION AND REQUIREMENTS. MODIFY ROUGH-INS AS REQUIRED. NOTIFY THE ARCHITECT AS SOON AS POSSIBLE IF CONFLICTS ARE FOUND WITH NEW DESIGN AND THE EXISTING SYSTEM.
- P10 CONNECT NEW SANITARY PIPING INTO THE EXISTING SANITARY SYSTEM. FIELD VERIFY THAT THE EXISTING SANITARY SYSTEM'S LOCATION, SIZE, INVERT AND DIRECTION OF FLOW IS COMPATIBLE FOR MEETING THE NEW SANITARY PIPE CONNECTION AND REQUIREMENTS. MODIFY ROUGH-INS AS REQUIRED. NOTIFY THE ARCHITECT AS SOON AS POSSIBLE IF CONFLICTS ARE FOUND WITH NEW DESIGN AND THE EXISTING SANITARY SYSTEM.
- P34 PROVIDE NEW PLUMBING FIXTURE AT SAME AS EXISTING FIXTURE LOCATION. CONNECT NEW FIXTURE TO EXISTING PLUMBING PIPING IN WALL OR CHASE AS REQUIRED. FIELD VERIFY THE EXISTING CONDITION. MODIFY ROUGH-IN AS REQUIRED. NOTIFY THE ARCHITECT AS SOON AS POSSIBLE IF CONFLICTS ARE FOUND WITH NEW DESIGN AND THE EXISTING PIPING SYSTEM.

Key Plan:



PROJECT NO: 0119-0100
DATE: February 19, 2021

Package 2

PLUMBING FLOOR
PLAN - ZONE A - LEVEL 1

1

P111
Construction
Conformance Set

1 PLUMBING PLAN - ZONE A - LEVEL 1
1/8" = 1'-0"

Lee's Summit High School

400 SE Blue Pkwy
Lee's Summit, MO 64063

owner:
Lee's Summit R-7 School District
123 AnyStreet
Lee's Summit, MO 64086

architect:
Gould Evans
4200 Pennsylvania Avenue
Kansas City, MO 64111
816.931.6655 voice
www.gould-evans.com

structural engineer:
Bob D. Campbell & Company, Inc.
4338 Bellevue
Kansas City, MO 64111
816.331.4144

civil engineer:
Kaw Valley Engineering
14700 West 134th Terrace
Lenexa, KS 66215
913.485.0318

mechanical/electrical engineer:
Henderson Engineers
8345 Lenexa Drive, Suite 300
Lenexa, KS 66214
913.742.5000

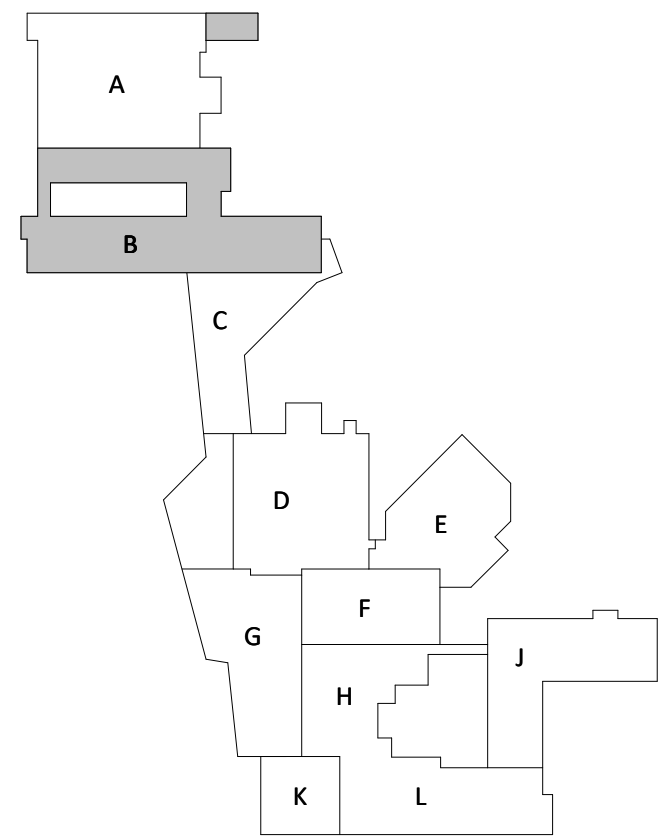
PLUMBING PLAN NOTES:

- P1 DO NOT INSTALL PLUMBING PIPING OVER ELECTRICAL PANELS OR EQUIPMENT.
- P7 REPLACE EXISTING SANITARY PIPING WITH NEW BELOW SLAB. RECONNECT NEW SANITARY PIPING INTO THE EXISTING SANITARY SYSTEM. FIELD VERIFY THAT THE EXISTING SANITARY SYSTEM'S LOCATION, SIZE, INVERT AND DIRECTION OF FLOW IS COMPATIBLE FOR MEETING THE NEW SANITARY PIPE CONNECTION AND REQUIREMENTS. MODIFY ROUGH-INS AS REQUIRED. NOTIFY THE ARCHITECT AS SOON AS POSSIBLE IF CONFLICTS ARE FOUND WITH NEW DESIGN AND THE EXISTING SYSTEM.
- P9 CONNECT NEW WATER PIPING INTO THE EXISTING WATER SYSTEM. FIELD VERIFY THAT THE EXISTING WATER SYSTEM'S LOCATION, SIZE, INVERT AND DIRECTION OF FLOW IS COMPATIBLE FOR MEETING THE NEW WATER PIPE CONNECTION AND REQUIREMENTS. MODIFY ROUGH-INS AS REQUIRED. NOTIFY THE ARCHITECT AS SOON AS POSSIBLE IF CONFLICTS ARE FOUND WITH NEW DESIGN AND THE EXISTING WATER SYSTEM.
- P10 CONNECT NEW SANITARY PIPING INTO THE EXISTING SANITARY SYSTEM. FIELD VERIFY THAT THE EXISTING SANITARY SYSTEM'S LOCATION, SIZE, INVERT AND DIRECTION OF FLOW IS COMPATIBLE FOR MEETING THE NEW SANITARY PIPE CONNECTION AND REQUIREMENTS. MODIFY ROUGH-INS AS REQUIRED. NOTIFY THE ARCHITECT AS SOON AS POSSIBLE IF CONFLICTS ARE FOUND WITH NEW DESIGN AND THE EXISTING SANITARY SYSTEM.
- P19 CONNECT NEW STORM PIPING INTO THE EXISTING STORM SYSTEM. FIELD VERIFY THAT THE EXISTING STORM SYSTEM'S LOCATION, SIZE, INVERT AND DIRECTION OF FLOW IS COMPATIBLE FOR MEETING THE NEW STORM PIPE CONNECTION AND REQUIREMENTS. MODIFY ROUGH-INS AS REQUIRED. NOTIFY THE ARCHITECT AS SOON AS POSSIBLE IF CONFLICTS ARE FOUND WITH NEW DESIGN AND THE EXISTING STORM SYSTEM.
- P34 PROVIDE NEW PLUMBING FIXTURE AT SAME AS EXISTING FIXTURE LOCATION. CONNECT NEW FIXTURE TO EXISTING PLUMBING PIPING IN WALL OR CHASE AS REQUIRED. FIELD VERIFY THE EXISTING CONDITION. MODIFY ROUGH-IN AS REQUIRED. NOTIFY THE ARCHITECT AS SOON AS POSSIBLE IF CONFLICTS ARE FOUND WITH NEW DESIGN AND THE EXISTING PIPING SYSTEM.
- P60 EXTEND AND CONNECT NEW HW, CW AND HWR LINES TO EXISTING LINES AROUND THIS AREA. FIELD VERIFY EXISTING CONDITION AND EXACT CONNECTION POINT. MODIFY ROUGH-INS AS REQUIRED. NOTIFY ARCHITECT AS SOON AS POSSIBLE IF CONFLICTS ARE FOUND WITH NEW DESIGN AND THE EXISTING WATER SYSTEM.
- P74 EXTEND AND CONNECT NEW 2" V TO EXISTING LINE ABOVE CEILING NEAR DEMOLISHED DRINKING FOUNTAIN LOCATION. FIELD VERIFY EXISTING CONDITION. MODIFY ROUGH-INS AS REQUIRED. NOTIFY ARCHITECT AS SOON AS POSSIBLE IF CONFLICTS ARE FOUND WITH NEW DESIGN AND THE EXISTING SYSTEM.

Starting point of new sanitary.
Plan new sanitary at 1% grade with pipe line laser.
Chased and demolded existing

1 PLUMBING PLAN - ZONE B - LEVEL 1
1/8" = 1'-0"

Key Plan:



PROJECT NO: 0119-0100
DATE: February 19, 2021

Package 2

PLUMBING FLOOR
PLAN - ZONE B - LEVEL
1

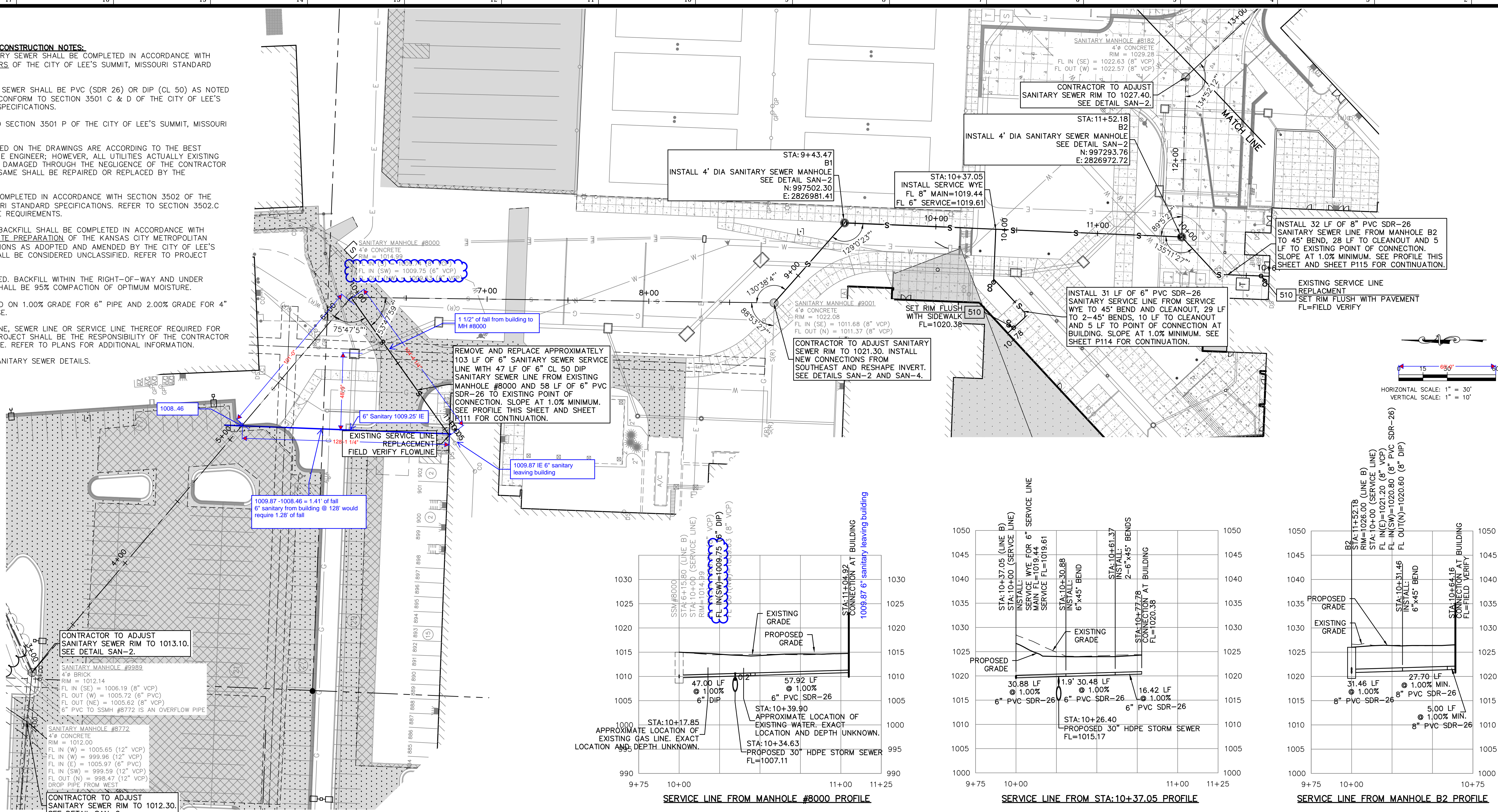
P112

Construction
Conformance Set

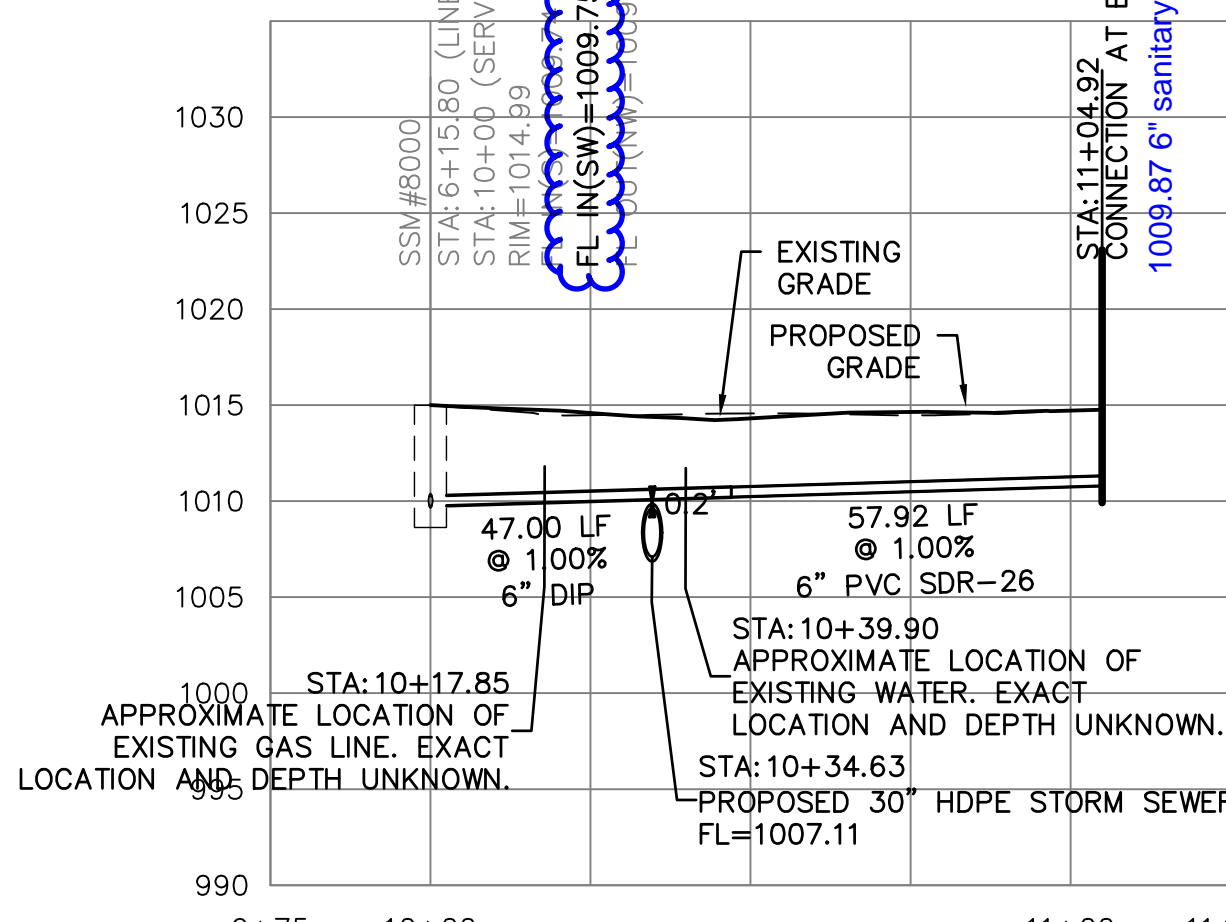
AS105

SANITARY SEWER MATERIALS AND CONSTRUCTION NOTES:

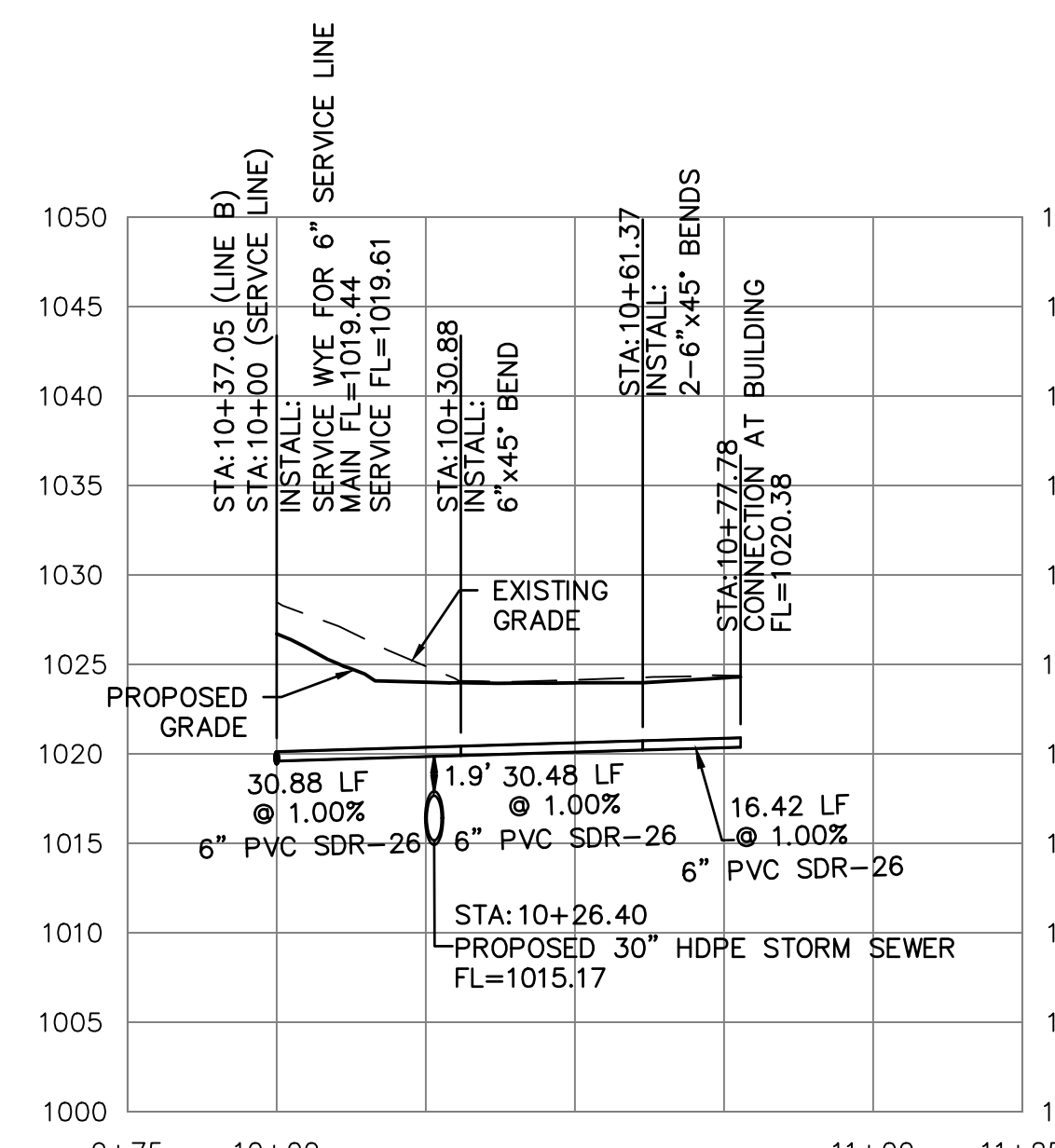
- ALL WORK RELATED TO SANITARY SEWER SHALL BE COMPLETED IN ACCORDANCE WITH SECTION 3500 SANITARY SEWERS OF THE CITY OF LEE'S SUMMIT, MISSOURI STANDARD SPECIFICATIONS.
- ALL PIPE USED FOR SANITARY SEWER SHALL BE PVC (SDR 26) OR DIP (CL 50) AS NOTED ON PLANS. MATERIAL SHALL CONFORM TO SECTION 3501 C & D OF THE CITY OF LEE'S SUMMIT, MISSOURI STANDARD SPECIFICATIONS.
- MANHOLES SHALL CONFORM TO SECTION 3501 P OF THE CITY OF LEE'S SUMMIT, MISSOURI STANDARD SPECIFICATIONS.
- 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. UTILITIES DAMAGED THROUGH THE NEGLIGENCE OF THE CONTRACTOR TO OBTAIN THE LOCATION OF SAME SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
- ALL INSTALLATION SHALL BE COMPLETED IN ACCORDANCE WITH SECTION 3502 OF THE CITY OF LEE'S SUMMIT, MISSOURI STANDARD SPECIFICATIONS. REFER TO SECTION 3502.C FOR TESTING AND ACCEPTANCE REQUIREMENTS.
- EXCAVATION, TRENCHING AND SITE PREPARATION OF THE KANSAS CITY METROPOLITAN CHAPTER OF APWA SPECIFICATIONS AS ADOPTED AND AMENDED BY THE CITY OF LEE'S SUMMIT. ALL EXCAVATIONS SHALL BE CONSIDERED UNCLASSIFIED. REFER TO PROJECT GEOTECHNICAL REPORT.
- ALL BACKFILL SHALL BE TAMPED. BACKFILL WITHIN THE RIGHT-OF-WAY AND UNDER PARKING AREAS AND SLABS SHALL BE 95% COMPACTION OF OPTIMUM MOISTURE.
- ALL STUB LINES SHALL BE LAID ON 1.00% GRADE FOR 6" PIPE AND 2.00% GRADE FOR 4" PIPE, UNLESS NOTED OTHERWISE.
- RELOCATION OF ANY WATER LINE, SEWER LINE OR SERVICE LINE THEREOF REQUIRED FOR THE CONSTRUCTION OF THIS PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE AT HIS EXPENSE. REFER TO PLANS FOR ADDITIONAL INFORMATION.
- REFER TO SHEET C560 FOR SANITARY SEWER DETAILS.



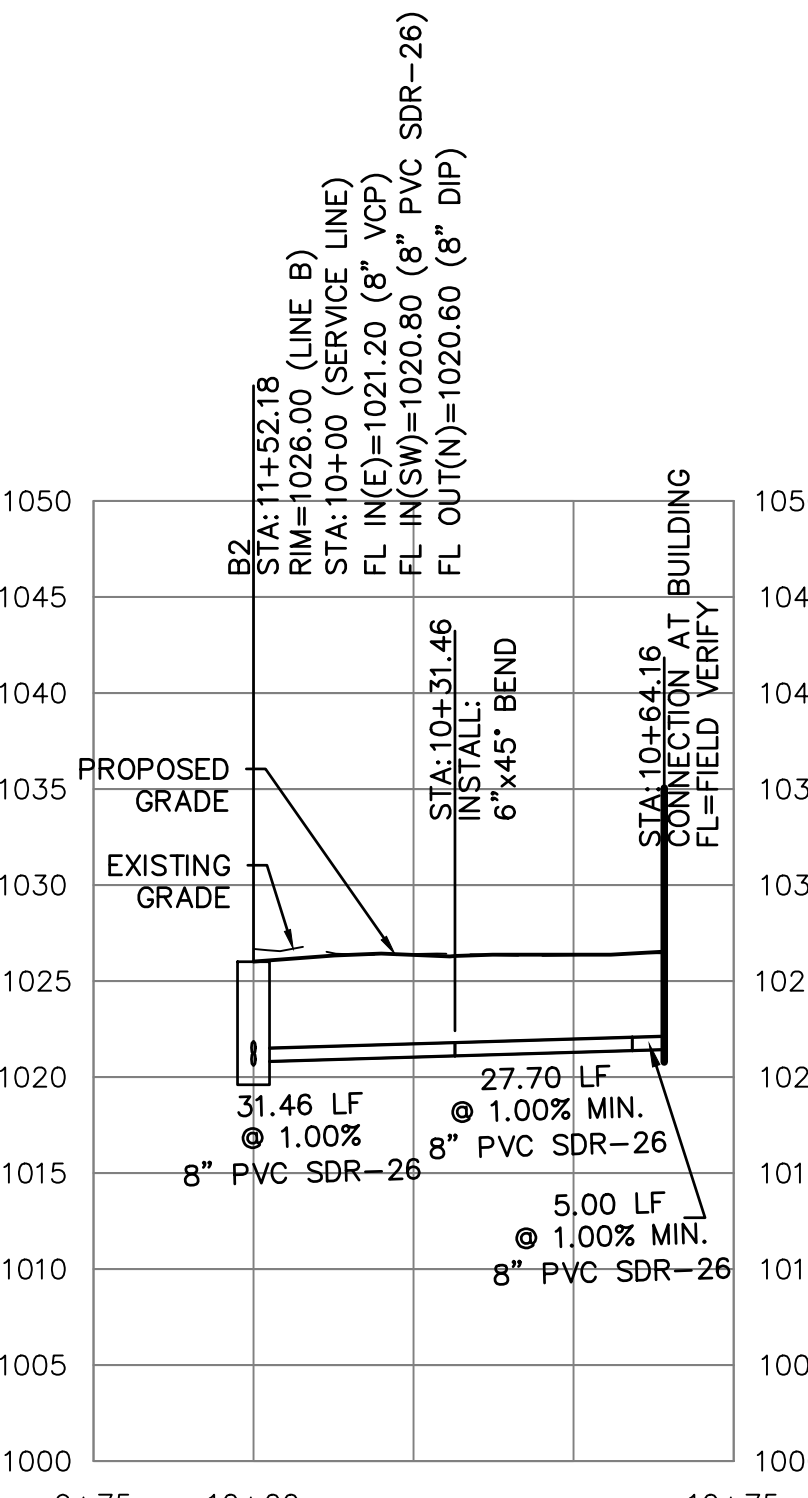
PRIVATE SANITARY SEWER LINE B PLAN



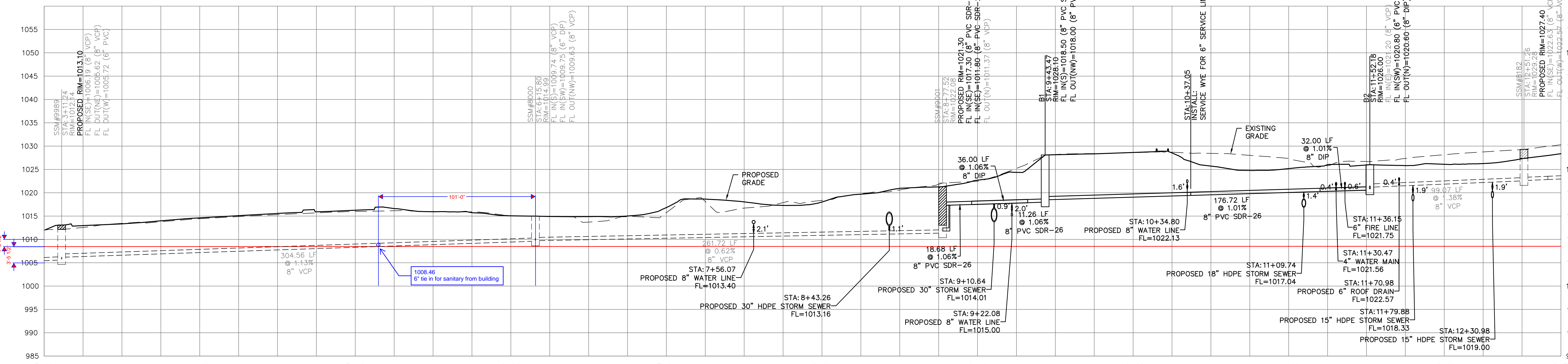
SERVICE LINE FROM MANHOLE #8000 PROFILE



SERVICE LINE FROM STA 10+37.05 PROFILE



SERVICE LINE FROM MANHOLE B2 PROFILE



PRIVATE SANITARY SEWER LINE B PROFILE

WARRANTY / DISCLAIMER

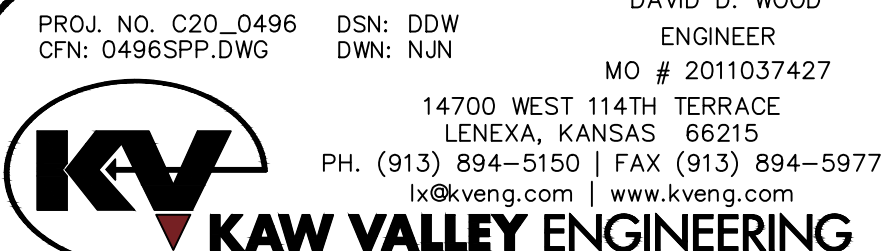
THE DESIGNS REPRESENTED IN THESE PLANS ARE IN ACCORDANCE WITH ESTABLISHED PRACTICES OF CIVIL ENGINEERING FOR THE DESIGN FUNCTIONS AND USES INTENDED BY THE OWNER AT THIS TIME. HOWEVER, NEITHER KAW VALLEY ENGINEERING, INC NOR ITS PERSONNEL CAN OR DO WARRANTY THESE DESIGNS OR PLANS AS CONSTRUCTED, EXCEPT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

SAFETY NOTICE TO CONTRACTOR

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

CAUTION - NOTICE TO CONTRACTOR

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



kansas city • lawrence • new orleans
phoenix • san francisco

© 2020 Gould Evans, Inc.

Lee's Summit High School

400 SE Blue Pkwy
Lee's Summit, MO 64063

owner:
Lee's Summit R-7 School District
301 NE Tudor Road
Lee's Summit, MO 64086

architect:
Gould Evans
4200 Pennsylvania Avenue
Kansas City, MO 64111
816.931.6655 voice
www.goulddevans.com

structural engineer:
Rob D. Campbell & Company, Inc.
4338 Bellevue
Kansas City, MO 64111
816.531.4144

civil engineer:
Kaw Valley Engineering
Henderson Engineers
1801 Main St
Kansas City, MO 64108
816.863.5700

mechanical/electrical engineer:
Henderson Engineers
1801 Main St
Kansas City, MO 64108
816.863.5700

UNDER A PROFESSIONAL SEAL WITH SIGNATURE AND DATE IS AFFIRMED, THIS DOCUMENT IS PRELIMINARY AND IS NOT INTENDED FOR CONSTRUCTION, RECORDING PURPOSES OR REPRESENTATION



Kaw Valley Engineering, Inc.
Missouri Certificate of Authority: 000842
David Wood
Engineer
Date: 2/19/2021
License No. PE-2011037427

REVISIONS

Number	DESCRIPTION	DATE
--------	-------------	------

PROJECT NO: 0119-0100
DATE: February 19, 2021

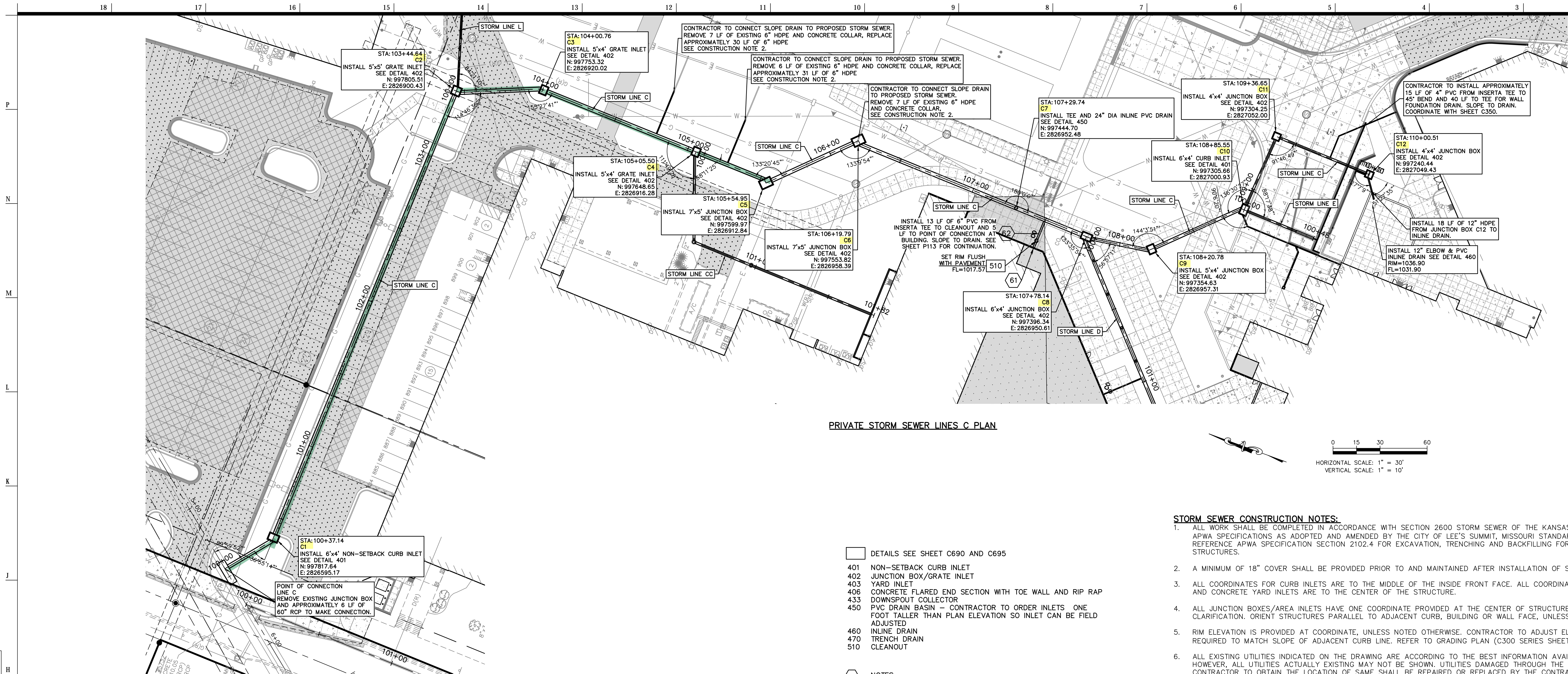
Package 2

PRIVATE SANITARY SEWER PLAN AND PROFILE

C560

Issued for Construction

IND3X P4GE



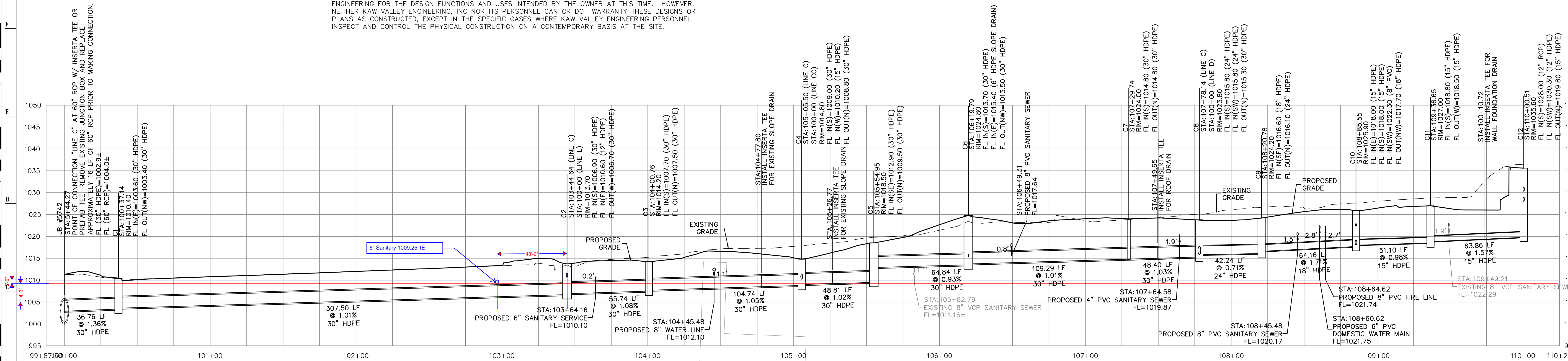
PRIVATE STORM SEWER LINES C PLAN

- DETAILS SEE SHEET C690 AND C695
- 401 NON-SETBACK CURB INLET
 - 402 JUNCTION BOX/GRATE INLET
 - 403 YARD INLET
 - 406 CONCRETE FLARED END SECTION WITH TOE WALL AND RIP RAP
 - 433 DOWNSPOUT COLLECTOR
 - 450 PVC DRAIN BASIN - CONTRACTOR TO ORDER INLETS. ONE FOOT TALLER THAN PLAN ELEVATION SO INLET CAN BE FIELD ADJUSTED
 - 460 INLINE DRAIN
 - 470 TRENCH DRAIN
 - 510 CLEANOUT
- NOTES
- 61 STORM SEWER POINT OF CONNECTION AT BUILDING REFER TO MEP PLANS
 - 62 PVC SDR-26 ROOF DRAIN. IF DRAIN IS LESS THAN 2' USE SCHEDULE 40 PVC FOR THE ENTIRE RUN. SLOPE TO DRAIN (1% MINIMUM FOR 6" AND LARGER ROOF DRAINS, 2% MINIMUM FOR 4" ROOF DRAINS)
 - 63 PVC STORM LINE AND TEE FOR FOUNDATION DRAIN. COORDINATE WITH ARCHITECTURAL PLANS FOR SIZE.

SAFETY NOTICE TO CONTRACTOR
IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE 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.

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

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



PRIVATE STORM SEWER LINE C PROFILE



PROJ. NO. C20-0496 DSN: DOW
CFN: 04960PP.DWG DWN: NUN

DAVID D. WOOD
ENGINEER
MO # 201037427

14700 WEST 114TH TERRACE
LENEXA, KANSAS 66215
PH. (913) 894-5150 | FAX (913) 894-5977
info@kve.com | www.kve.com

KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER
ENGINEERING SERVICES BY MISSOURI STATE CERTIFICATE OF
AUTHORITY # 000842. EXPIRES 12/31/21

Lee's Summit High School

400 SE Blue Pkwy
Lee's Summit, MO 64063

owner:
Lee's Summit R-7 School District
301 NE Tudor Road
Lee's Summit, MO 64086

architect:
Gould Evans
4200 Pennsylvania Avenue
Kansas City, MO 64111
816.931.6655 voice
www.gould-evans.com

structural engineer:
Bob D. Campbell & Company, Inc.
4338 Bellevue
Kansas City, MO 64111
816.531.4144

civil engineer:
Kaw Valley Engineering
14700 West 114th Terrace
Lenexa, KS 66215
913.485.0318

mechanical/electrical engineer:
Benderson Engineers
1801 Main St
Kansas City, MO 64108
816.863.5700

UNDER A PROFESSIONAL SEAL WITH SIGNATURE AND DATE I
AFFIRM, THIS DOCUMENT IS PRELIMINARY AND IS NOT INTENDED FOR
CONSTRUCTION, RECORDING PURPOSES OR REPRESENTATION



Kaw Valley Engineering, Inc.
Missouri Certificate of Authority: 000842
David Wood
Engineer Date: 2/19/2021
License No. PE-201037427

REVISIONS

Number	DESCRIPTION	DATE
--------	-------------	------

PROJECT NO: 0119-0100
DATE: February 19, 2021

Package 2

PRIVATE STORM SEWER
PLAN AND PROFILE

C620

Issued for Construction

IND3X P4GE