
SCALE 1"=30'

LEGEND

	EXISTING WATERLINE
	EXISTING FIRE HYDANT
	EXISTING WATER VALVE
	EXISTING SEWER LINE
	EXISTING SEWER MANHOLE
	NEW FIRE LINE
	NEW WATER VALVE
	NEW FIRE HYDANT
	NEW FDC (WALL MOUNT)
	NEW PIV (WALL MOUNT)
	NEW SEWER LINE
	NEW SEWER MANHOLE
	LIMITS OF DISTURBANCE

RESTRAINED JOINT CRITERIA FOR WATERLINE FITTINGS

- ALL MECHANICAL JOINTS SHALL BE RESTRAINED AT THE FITTINGS PER KEYED NOTES THIS SHEET.
- THE CONTRACTOR SHALL PROVIDE A MINIMUM PIPE LENGTH OF 20 LF FROM ALL MECHANICAL JOINTS. ALL PIPE JOINTS WITHIN 20 LF OF A MECHANICAL JOINT SHALL BE RESTRAINED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL RESTRAIN ALL PIPE JOINTS IN THE SPECIFIED DISTANCE LISTED IN THE KEYED NOTES.
- THE CONTRACTOR SHALL RESTRAIN ALL FIRE HYDRANT JOINTS FROM THE TEE ON THE MAIN TO THE FIRE HYDRANT FLANGE.
DEPTH OF BURY: 3.0 FT. MINIMUM
FACTOR OF SAFETY: 1.5
MATERIAL: PVC
SOIL TYPE: GM/SM - SILTY GRAVELS AND SILTY SANDS, GRAVEL-SAND-SILT MIXTURES.
TEST PRESSURE: 150 PSI
TRENCH TYPE 4: PIPE BEDDED IN SAND, GRAVEL, OR CRUSHED STONE TO DEPTH OF 1/8 PIPE DIAMETER, 4 INCH MINIMUM; BACKFILL COMPACTED TO TOP OF PIPE.

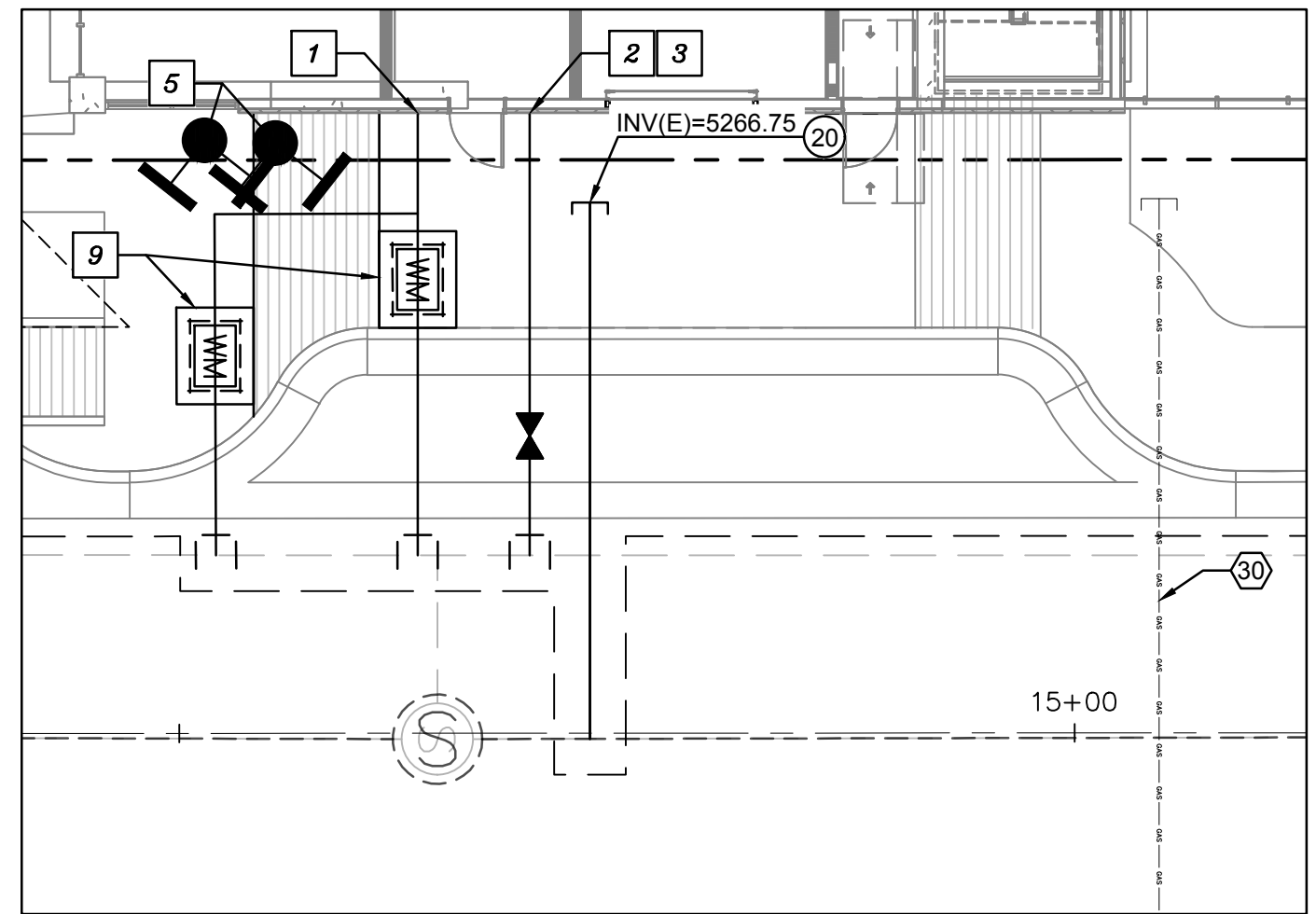
DIFFERENT CRITERIA, E.G., GREATER DEPTH OF BURY, ETC., WILL REQUIRE DIFFERENT RESTRAINED LENGTHS. THESE MUST BE CALCULATED BY A QUALIFIED PROFESSIONAL ENGINEER AND APPROVED BY ABCWUA.

GENERAL NOTES

- EXISTING UTILITY LINES ARE SHOWN IN AN APPROXIMATE MANNER ONLY AND MAY BE INCOMPLETE OR OBSOLETE. SUCH LINES MAY OR MAY NOT EXIST WHERE SHOWN OR NOT SHOWN. ALL UTILITIES SHOULD BE FIELD VERIFIED AND LOCATED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES.
- CONTRACTOR SHALL NOT USE VIBRATORY COMPACTION EQUIPMENT OR HEAVY VEHICLES OVER EXISTING UTILITIES.
- SITE STORM DRAIN, ELECTRIC LINES & TRANSFORMERS AND GAS LINES ARE SHOWN FOR GENERAL INFORMATION ONLY TO PROVIDE AN OVERVIEW OF SITE UTILITIES AND POTENTIAL CONFLICTS. SEE MECHANICAL PLANS FOR GAS LINE SIZING. SEE CG-101 FOR STORM DRAIN DESIGN.
- ALL WATER FITTINGS SHALL HAVE JOINT RESTRAINTS (LT). SEE RESTRAINED JOINT CRITERIA NOTES THIS SHEET. (LT) LENGTH SHOWN ON KEYED NOTES.
- ALL ABOVE GROUND UTILITY EQUIPMENT AND FITTINGS SHALL BE PAINTED IN COLORS TO MATCH BUILDING COLORS.
- WATERLINES 4" IN DIAMETER OR LARGER SHALL BE PVC PIPE MEETING AWWA C900 DR-18 REQUIREMENTS.
- SANITARY SEWER LINE MATERIALS SHALL BE PVC SDR-35 PIPE.
- COORDINATION WITH WATER AUTHORITY CROSS CONNECTION SECTION WILL BE REQUIRED TO ENSURE PROPER BACKFLOW CONTAINMENT IS IN PLACE PRIOR TO RELEASE OF METER FOR THE SITE. CONTACT THE CROSS CONNECTION SECTION AT 505-289-3454.
- COORDINATION WITH THE WATER AUTHORITY PRE-TREATMENT ENGINEER IS REQUIRED TO ENSURE THE SITE COMPLIES WITH WATER AUTHORITY SEWER USE ORDINANCE. CONTACT THE PRE-TREATMENT ENGINEER AT 505-289-3439.
- REFER TO CITY PWO #660486 FOR ALL WORK WITHIN PUBLIC RIGHT-OF-WAY.

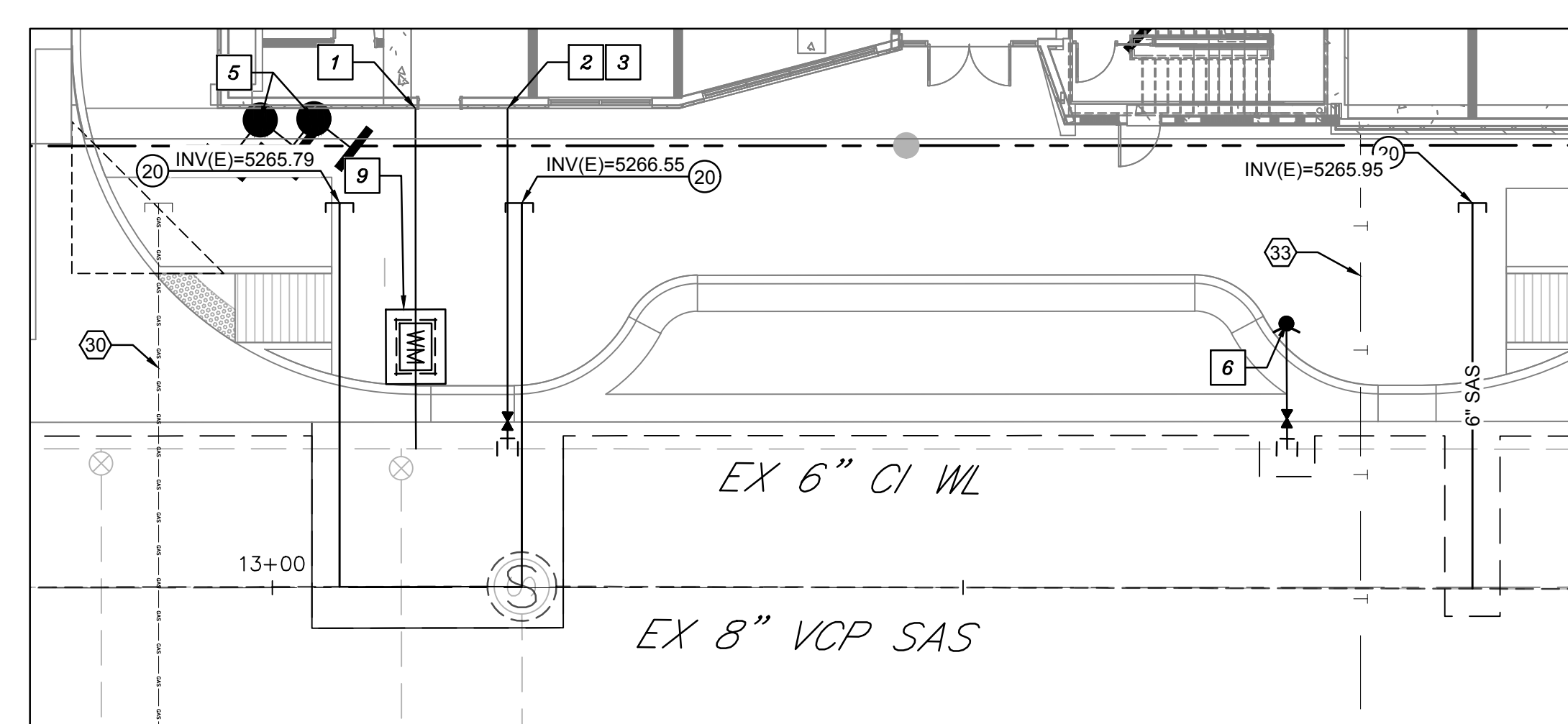
KEYED NOTES

- WATER KEYED NOTES**
 - DOMESTIC WATER SERVICE LINE BLDG CONNECTION POINT: REMOVE EXISTING WATER SERVICE CAP AT PROPERTY LINE CONSTRUCTED UNDER PWO #660486 AND CONNECT NEW "X" WATER SERVICE LINE.
 - 6" FIRE LINE BLDG CONNECTION POINT: REMOVE EXISTING CAP AT PROPERTY LINE CONSTRUCTED UNDER PWO #660486 AND EXTEND TO BLDG CONNECTION POINT. REFER TO PLUMBING PLANS FOR CONTINUATION.
 - WALL MOUNT PIV (POST INDICATOR VALVE).
 - NOT USED.
 - WALL MOUNT FDC (FIRE DEPARTMENT CONNECTION).
 - FIRE HYDRANT CONSTRUCTED UNDER PWO #660486. REFER TO PWO PLANS FOR ADDITIONAL INFO.
 - WATER MAIN REALIGNMENT UNDER PWO #660486. REFER TO PWO PLANS FOR ADDITIONAL INFO.
 - IRRIGATION METER CONSTRUCTED UNDER PWO #660486. REFER TO PWO PLANS FOR ADDITIONAL INFO AND IRRIGATION PLANS FOR CONTINUATION.
 - WATER METER CONSTRUCTED UNDER PWO #660486. REFER TO PWO PLANS FOR ADDITIONAL INFO.
- MISC. / DRY UTILITY KEYED NOTES**
 - PNM TRANSFORMER. OWNER / CONTRACTOR TO COMPLETE AND SUBMIT A COMMERCIAL SERVICE APPLICATION TO PNM. PNM REPRESENTATIVE TO PROVIDE ONSITE ELECTRICAL SERVICE LINE LOCATION.
 - NEW MEXICO GAS COMPANY GAS MAIN. OWNER / CONTRACTOR TO COMPLETE AND SUBMIT A COMMERCIAL SERVICE APPLICATION TO NMGCO.
 - NOT USED.
 - TELCOM SERVICE CONNECTION LOCATION, FINAL LOCATION TO BE DETERMINED BY OWNER AND UTILITY SERVICE PROVIDER.
 - STORM DRAIN MAIN EXTENSION CONSTRUCTED UNDER PWO #660486. REFER TO PWO PLANS FOR ADDITIONAL INFO.
 - STORM DRAIN CURB INLET CONSTRUCTED UNDER PWO #660486. REFER TO PWO PLANS FOR ADDITIONAL INFO.



DETAIL A

SCALE: 1"=10'



DETAIL B

SCALE: 1"=10'


UPTOWN CONNECT
UPTOWN BLVD.
ALBUQUERQUE, NM 87123

SITE PLAN
SUBMITTAL

REVISIONS	
△	
△	
△	
△	
△	
DRAWN BY: JTSR/JRDEC	
REVIEWED BY: FCANNNA	
DATE: 11/17/2024	
PROJECT NO.: IA 2625 / 22-0010	
DRAWING NAME	

UTILITY
PLAN

SHEET NO.
CU101


Know what's below.
Call before you dig.


Isaacson & Arfman, Inc.
Civil Engineering Consultants
128 Monroe Street NE
Albuquerque, NM 87108
505-265-5823 | www.isacv.com

© 2020 Isaacson & Arfman, Inc.
This design, calculations, and concepts are owned by and remain the property of Isaacson & Arfman, Inc. and no part thereof shall be utilized by any person, firm or corporation for any purpose whatsoever except with the written permission of Isaacson & Arfman, Inc.