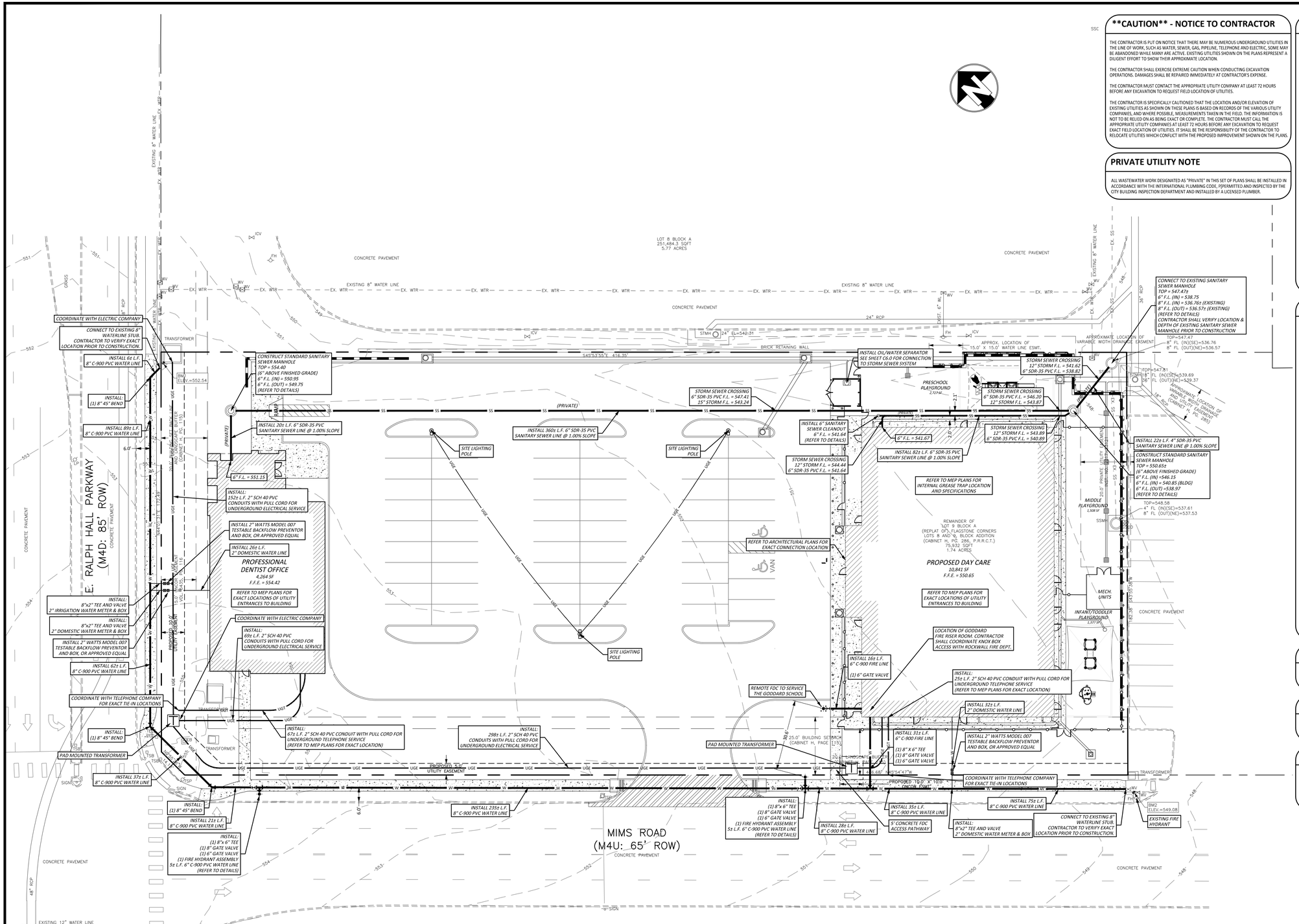

CAUTION - NOTICE TO CONTRACTOR

THE CONTRACTOR IS PUT ON NOTICE THAT THERE MAY BE NUMEROUS UNDERGROUND UTILITIES IN THE LINE OF WORK, SUCH AS WATER, SEWER, GAS, PIPELINE, TELEPHONE AND ELECTRIC, SOME MAY BE ABANDONED WHILE MANY ARE ACTIVE. EXISTING UTILITIES SHOWN ON THE PLANS REPRESENT A DILIGENT EFFORT TO SHOW THEIR APPROXIMATE LOCATION.

THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN CONDUCTING EXCAVATION OPERATIONS. DAMAGES SHALL BE REPAIRED IMMEDIATELY AT CONTRACTOR'S EXPENSE.

THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST FIELD LOCATION OF UTILITIES.

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 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENT SHOWN ON THE PLANS.

PRIVATE UTILITY NOTE

ALL WASTEWATER WORK DESIGNATED AS "PRIVATE" IN THIS SET OF PLANS SHALL BE INSTALLED IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE, P(PERMITTED) AND INSPECTED BY THE CITY BUILDING INSPECTION DEPARTMENT AND INSTALLED BY A LICENSED PLUMBER.

LEGEND

EXISTING	PROPOSED	
WM		WATER METER
WV		WATER VALVE
FH		FIRE HYDRANT
GM		GAS METER
SSMH		SANITARY SEWER MANHOLE
SSCO		SANITARY SEWER CLEANOUT
UP		UTILITY POLE
LP		SITE LIGHTING POLE
TSP		TRAFFIC SIGNAL POLE
TSB		TRAFFIC SIGNAL BOX
STMH		STORM MANHOLE
JB		STORM JUNCTION BOX
CI		CURB INLET
GI		GRATE INLET
		SIGN
W		WATER LINE
SS		SANITARY SEWER
UGE		UNDERGROUND ELECTRIC LINE
UGT		UNDERGROUND TELEPHONE LINE
GAS		GAS LINE

UTILITY NOTES

1. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY, COUNTY AND STATE REGULATIONS AND CODES, OSHA STANDARDS AND PROJECT SITE WORK SPECIFICATIONS.
2. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS OF EXISTING PUBLIC AND PRIVATE UTILITIES AND SERVICES PRIOR TO COMMENCING CONSTRUCTION.
3. CONTRACTOR SHALL CALL 811 FOR FIELD LOCATION OF EXISTING UTILITIES. NOTE THAT 811 ONLY LOCATES THOSE UTILITIES REGISTERED WITH THE SERVICE AND DOES NOT LOCATE ALL UTILITIES.
4. THESE DRAWINGS DO NOT IMPLY TO SHOW ALL EXISTING UTILITIES. LOCATIONS AND SIZED OF EXISTING PUBLIC AND PRIVATE UTILITIES ARE FROM CITY AND UTILITY COMPANY RECORDS ONLY. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES AND FOR DAMAGES RESULTING FROM FAILURE TO DO SO.
5. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND ASSURE PROPER DEPTHS ARE ACHIEVED.
6. CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES' INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE.
7. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITE TRENCH SAFETY DURING ALL PHASES OF CONSTRUCTION. ALL TRENCHING, PIPE LAYING AND BACKFILLING SHALL BE IN ACCORDANCE WITH FEDERAL OSHA REGULATIONS AND STANDARDS.
8. CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
9. ALL FILL MATERIAL IS TO BE IN PLACE, AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
10. LINES INSTALLED UNDERGROUND SHALL BE INSPECTED AND APPROVED BEFORE BACKFILLING.
11. ALL WATER AND SANITARY SEWER SERVICES SHALL TERMINATE FIVE FEET (5') OUTSIDE THE BUILDING, UNLESS NOTED OTHERWISE. REFER TO PLUMBING PLANS FOR EXACT TIE-IN LOCATIONS OF ALL UTILITIES.
12. MAINTAIN A MINIMUM OF 24" VERTICAL CLEARANCE BETWEEN WATER LINES, SANITARY LINE, STORM LINES AND GAS LINES (EXISTING AND PROPOSED), UNLESS NOTED OTHERWISE.
13. DIMENSIONS SHOWN ARE TO CENTERLINE OF PIPE OR FITTING, TO CENTER LINE OF MANHOLE, FACE OF BUILDING, OR FACE OF CURB, UNLESS OTHERWISE NOTED.
14. THE TOP ELEVATION OF MANHOLES AND CLEANOUTS CONSTRUCTED IN PAVED AREAS SHALL MATCH FINISHED PAVEMENT GRADE. THE TOP ELEVATION OF MANHOLES CONSTRUCTED IN LANDSCAPED AREAS SHALL BE SIX (6) INCHES ABOVE FINISHED GRADE (UNLESS OTHERWISE NOTED). CONTRACTOR SHALL REFER TO GRADING PLAN FOR FINAL GRADES IN DETERMINING PROPOSED MANHOLE RIM ELEVATIONS.
15. ALL WATER LINES 3"Ø AND LARGER SHALL HAVE MECHANICAL JOINTS WITH THRUST BLOCKING.
16. THE INSTALLATION OR REPAIR OF ANY UNDERGROUND FACILITIES OR PIPING WHICH CONNECTS TO OR FURNISHES WATER FOR A FIRE PROTECTION SPRINKLER SYSTEM SHALL BE PERFORMED ONLY BY A LICENSED UTILITY CONTRACTOR, FIRE PROTECTION SPRINKLER CONTRACTOR, OR LICENSED PLUMBER. SEE O.C.G.A. TITLE 25-11-7-(a). A COPY OF THE LICENSE OR CERTIFICATE OF COMPETENCY SHALL BE PROVIDED TO THE INSPECTOR AT THE FINAL INSPECTION.
17. REFER TO ARCHITECTURAL/MEP BUILDING PLANS FOR SITE LIGHTING ELECTRICAL PLAN.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF THE PRIMARY ELECTRIC LINES TO BE INSTALLED BY ELECTRIC COMPANY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING THE PRIMARY CONDUIT FROM THE POLE TO THE TRANSFORMER AND THE SECONDARY CONDUIT AND THE SECONDARY LINE FROM THE TRANSFORMER TO THE BUILDING.
19. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL LINES FROM THE TRANSFORMER TO THE BUILDING, WITH THE ELECTRIC COMPANY MAKING CONNECTIONS AT THE TRANSFORMER. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING THE TRANSFORMER PAD PER ELECTRIC COMPANIES SPECIFICATIONS.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING THE TELEPHONE CONDUIT WITH PULL STRING. ALL BENDS SHALL BE LONG RADIUS SWEEPING BENDS. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL TELEPHONE INSTALLATION WITH THE TELEPHONE COMPANY.

INSPECTIONS/CERTIFICATIONS NOTE

ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY LOCAL CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO SUBSTANTIAL PROJECT COMPLETION.

PERMITS NOTE

CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED BY FEDERAL, STATE, OR LOCAL CODES AND/OR UTILITY SERVICE COMPANIES PRIOR TO START OF CONSTRUCTION.

TOPOGRAPHIC SURVEY NOTE

EXISTING TOPOGRAPHIC INFORMATION SHOWN ON THESE PLANS WAS PREPARED BY SCI SURVEY CONSULTANTS, INC., IF 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. THE ENGINEER'S SEAL ON THESE PLANS DOES NOT APPLY TO THE PROPERTY BOUNDARY INFORMATION SHOWN HEREON.

0 10 20 40 60
1" = 20'

Future Use	Assumptions	Quantity	Daily Wastewater Flow (gallons/**)	**	Estimated Daily Wastewater Generated (gpd)
Schools (Elementary)	10,841 sf Daycare, 116 students > 36 months old	116	30	per student	3,480
Commercial	4059 sf Office, 7 employees	0.5	800	per acre	400
				Estimated Generated Wastewater (gpd)	3,880
				Infow and Infiltration	400
				Peak Factor (<0.05 MGD)	5
				Total Estimated Generated Wastewater (gpd)	**21,400**

Daily Wastewater Flow based on City of Rockwall, Texas Standards of Design and Construction, Section 5.3.5, Sizing Wastewater Collection Mains

FINAL AS-BUILT RECORD PLANS

TO THE BEST OF OUR KNOWLEDGE, KSA, HEREBY STATES THAT THIS PLAN IS AS-BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

811 Know what's **below.** **Call** before you dig.

RESPONSIBILITY NOTE

ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.

MARK	REVISION	DATE
1	- - - - -	- - - - -
2	- - - - -	- - - - -
3	- - - - -	- - - - -
4	- - - - -	- - - - -
5	- - - - -	- - - - -

DRAWING PATHNAME: LAYOUT | PLOT DATE - TIME

COURTIN DENTAL OFFICE
ROCKWALL, TEXAS 75032

SHEET NAME: UTILITY PLAN

PROJECT NAME:

DRAWN BY:	TG
DESIGNED BY:	DK
LATEST REVISION:	07/20/2021
KSA JOB NO:	18-1620-01

KSA
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Tyler, Texas 75703
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www.ksaeng.com

STATE OF TEXAS
DARREL KOTZUR
83947
LICENSED PROFESSIONAL ENGINEER
02/22/2022

SEAL:
TBPE Firm Registration No. F-1356

SHEET NO.
C7.0