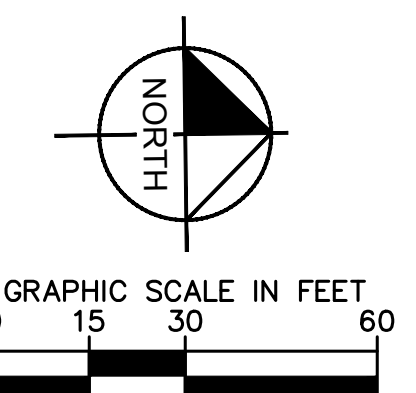
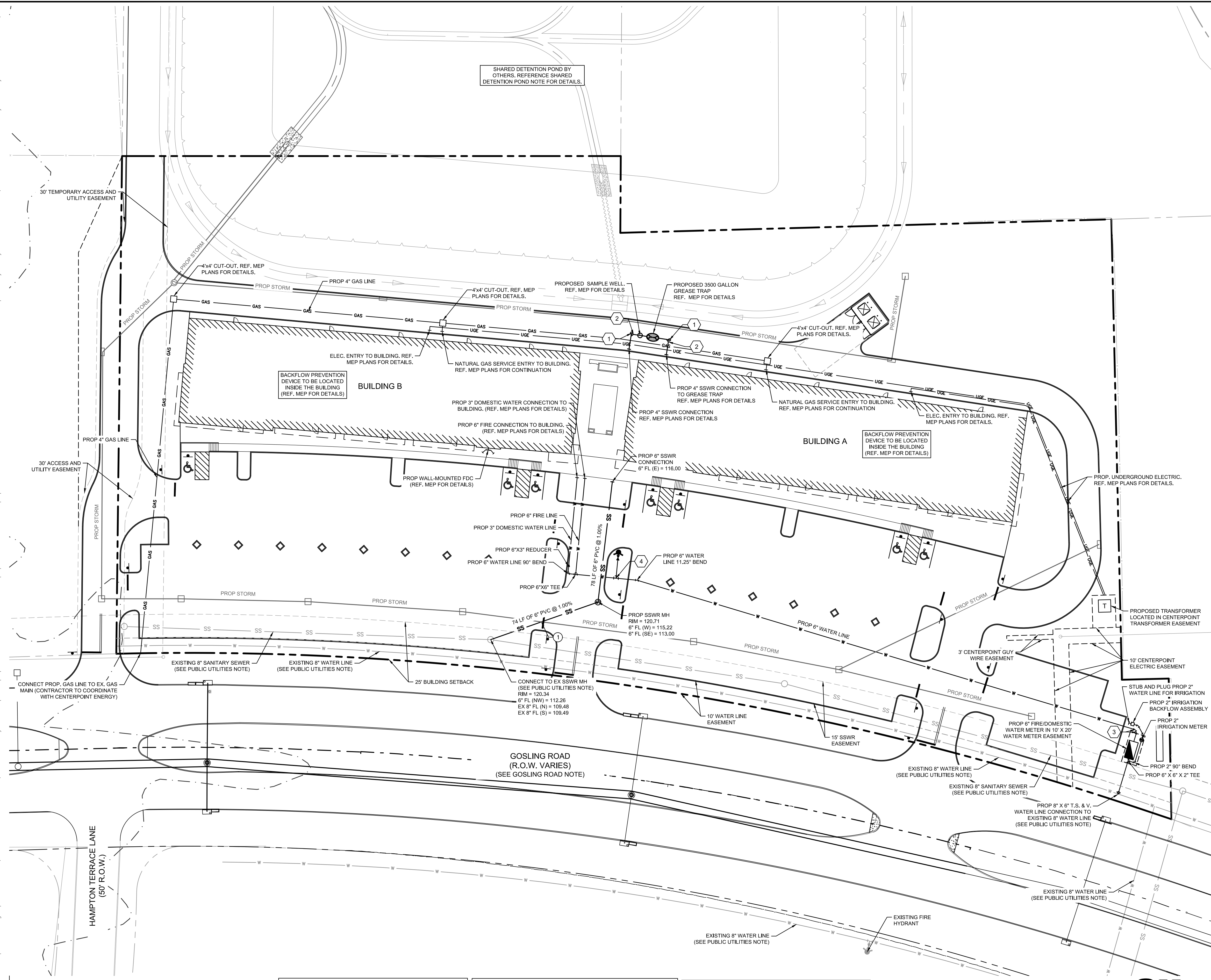


Plotted By: Lanier, Morgan. Sheet: K10a. Layout: 07.0. March 08, 2019. 02:30:10pm. K:\VDC\Draw\072000501 - Triad Gosling Retail\DWG\PlanSheets\C-Util.dwg  
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LEGEND	
	PROPERTY LINE
	PROPOSED UTILITY EASEMENT
	EXISTING UTILITY EASEMENT
	PROPOSED STORM LINE
	PROPOSED STORM MANHOLE
	PROPOSED GRATE INLET
	PROPOSED CURB INLET
	PROPOSED WATER LINE
	PROPOSED SSWR LINE
	PROPOSED SSWR MANHOLE
	PROPOSED FIRE HYDRANT
	PROPOSED WATER VALVE
	PROPOSED UNDERGROUND ELECTRIC
	PROPOSED GAS LINE
	EXISTING SSWR LINE
	EXISTING WATERLINE
	EXISTING STORM SEWER LINE

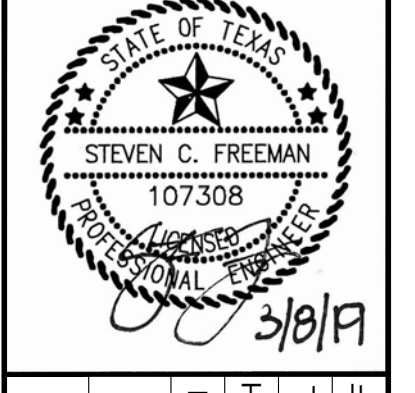
KEYED NOTES	
	PROP SSWR CLEANOUT
	PROP SSWR 45° BEND
	PROP 6" WATER LINE 45° BEND
	PROP FIRE HYDRANT ASSEMBLY WITH 6" X 2" TEE, 2" GATE VALVE, AND 250 LF OF 2" PVC

- UTILITY NOTES**
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE 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.
  - CONTRACTOR SHALL FIELD VERIFY THE EXACT HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES IN FIELD PRIOR TO COMMENCING CONSTRUCTION. NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
  - ALL WATER AND SEWER LINES AS WELL AS TAPS/CONNECTIONS TO EXISTING PUBLIC WATER LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LOCAL MUNICIPALITIES STANDARD SPECIFICATIONS AND DETAILS WITH ALL ADDENDA AND AMENDMENTS THERETO.
  - CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITY 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE.
  - WATER LINES SHALL BE AS FOLLOWS:  
 A) 3" AND SMALLER = TYPE K COPPER TUBING (ASTM B88)  
 B) 4" - 12" = PVC CLASS 150 DR 18, WITH BEDDING AND BACKFILL PER MANUFACTURER RECOMMENDATIONS.
  - SANITARY SEWER PIPES SHALL BE AS FOLLOWS:  
 A) 4" - 12" = PVC SDR-26, WITH BEDDING AND BACKFILL PER MANUFACTURER RECOMMENDATIONS.
  - CONTRACTOR SHALL MAINTAIN A MINIMUM OF 4'-0" COVER ON ALL WATERLINES.
  - WATER LINES CROSSING AND RUNNING PARALLEL TO GRAVITY SEWER LINES AND FORCE MAINS SHALL CONFORM TO THE SEPARATION AND CROSSING REQUIREMENTS OF TEXAS ADMINISTRATIVE CODE § 290.44 PARAGRAPH (E).
  9. LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
  - TOPS OF EXISTING MANHOLES SHALL BE RAISED AS NECESSARY TO BE FLUSH WITH PROPOSED PAVEMENT ELEVATIONS, OR TO BE 2'-4" ABOVE THE PROPOSED GRADE ELEVATIONS IN LANDSCAPE AREAS.
  - CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY INSPECTIONS, TESTING AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES.
  - CONTRACTOR SHALL COORDINATE WITH ALL PRIVATE UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
  - REFER TO ARCHITECTURAL PLANS FOR SITE LIGHTING ELECTRICAL PLAN.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRENCH SAFETY MEASURES IN ACCORDANCE WITH OSHA AND LOCAL AGENCY STANDARDS FOR ALL EXCAVATIONS.
  - THE SITE CONTRACTOR MUST COORDINATE THE TIMING AND INSTALLATION OF ALL NATURAL GAS LINES WITH THE GENERAL CONTRACTOR FOR THE BUILDING AND MAKE ALL NECESSARY SCHEDULE ARRANGEMENTS FOR TEMPORARY OR PERMANENT GAS LINES PER THE PROJECT SCHEDULE.
  - THE SCOPE OF UTILITIES STUBBED TO THE PROPOSED BUILDING(S) IN THIS PLAN SET SHALL TERMINATE 5' OUTSIDE OF THE BUILDING.

NO.	REVISIONS	DATE	BY

**Kimley»Horn**

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KHA PROJECT	067800501
DATE	03/08/2019
SCALE	AS SHOWN
DESIGNED BY	SLH
DRAWN BY	MTL
CHECKED BY	SCF

**UTILITY PLAN**

**TRIAD GOSLING RETAIL**  
 HARRIS COUNTY

SHEET NUMBER  
**C8.0**

**SHARED DETENTION POND NOTE:**  
 DETAILS OF SHARED DETENTION POND ARE SHOWN PER THE PLANS TITLED "CONSTRUCTION OF NORTHAMPTON REGIONAL DETENTION FOR HARRIS COUNTY NORTHAMPTON MUNICIPAL UTILITY DISTRICT", HARRIS COUNTY PROJECT NUMBER 1803130006. THE PROPOSED RETAIL SITE DEPICTED IN THESE PLANS MAY BE UNDER CONSTRUCTION CONCURRENTLY WITH THE SHARED DETENTION POND. GENERAL CONTRACTOR SHALL COORDINATE WITH NORTHAMPTON MUD UTILITIES CONSTRUCTION CONTRACTOR REGULARLY TO ENSURE MEANS OF ACCESS TO THE SITE AND TIMING AND COORDINATION OF ALL CONNECTION POINTS BETWEEN THE TWO WORK AREAS. NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN THESE PLANS AND FIELD CONDITIONS.

**PUBLIC UTILITIES NOTE:**  
 LOCATION OF EXISTING WATER AND SEWER LINES ADJACENT TO THIS SITE ARE SHOWN PER THE PRELIMINARY PLANS TITLED "PUBLIC WATER AND SANITARY SEWER EXTENSIONS TO SERVE TRIAD REAL ESTATE AND LANDMARK TRACT FOR NORTHAMPTON MUNICIPAL UTILITY DISTRICT" BY JONES AND CARTER. AT THIS TIME, GOSLING ROAD IS BEING WIDENED AND THE PROPOSED RETAIL SITE DEPICTED IN THESE PLANS MAY BE UNDER CONSTRUCTION CONCURRENTLY WITH THE WATER AND SEWER LINES. GENERAL CONTRACTOR SHALL COORDINATE WITH NORTHAMPTON MUD UTILITIES CONSTRUCTION CONTRACTOR REGULARLY TO ENSURE MEANS OF ACCESS TO THE SITE AND TIMING AND COORDINATION OF ALL CONNECTION POINTS BETWEEN THE TWO WORK AREAS. NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN THESE PLANS AND FIELD CONDITIONS.

**GOSLING ROAD NOTE:**  
 LOCATION AND DIMENSIONS OF GOSLING ROAD ARE SHOWN PER THE PLANS OF HARRIS COUNTY PROJECT NUMBER 1701050019. AT THIS TIME, GOSLING ROAD IS BEING WIDENED AND THE PROPOSED RETAIL SITE DEPICTED IN THESE PLANS MAY BE UNDER CONSTRUCTION CONCURRENTLY. GENERAL CONTRACTOR SHALL COORDINATE WITH GOSLING ROAD CONSTRUCTION CONTRACTOR REGULARLY TO ENSURE MEANS OF ACCESS TO THE SITE AND TIMING AND COORDINATION OF ALL CONNECTION POINTS BETWEEN THE TWO WORK AREAS. NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN THESE PLANS AND FIELD CONDITIONS AT CONNECTION POINTS WITH GOSLING ROAD RIGHT-OF-WAY.

UTILITY CROSSING TABLE			
CROSSING NUMBER	SANITARY SEWER FLOW LINE ELEVATION	STORM SEWER FLOW LINE ELEVATION	SPACING BETWEEN PIPES (ft)
1	112.61	114.64	1.53



**CAUTION!!**

EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.