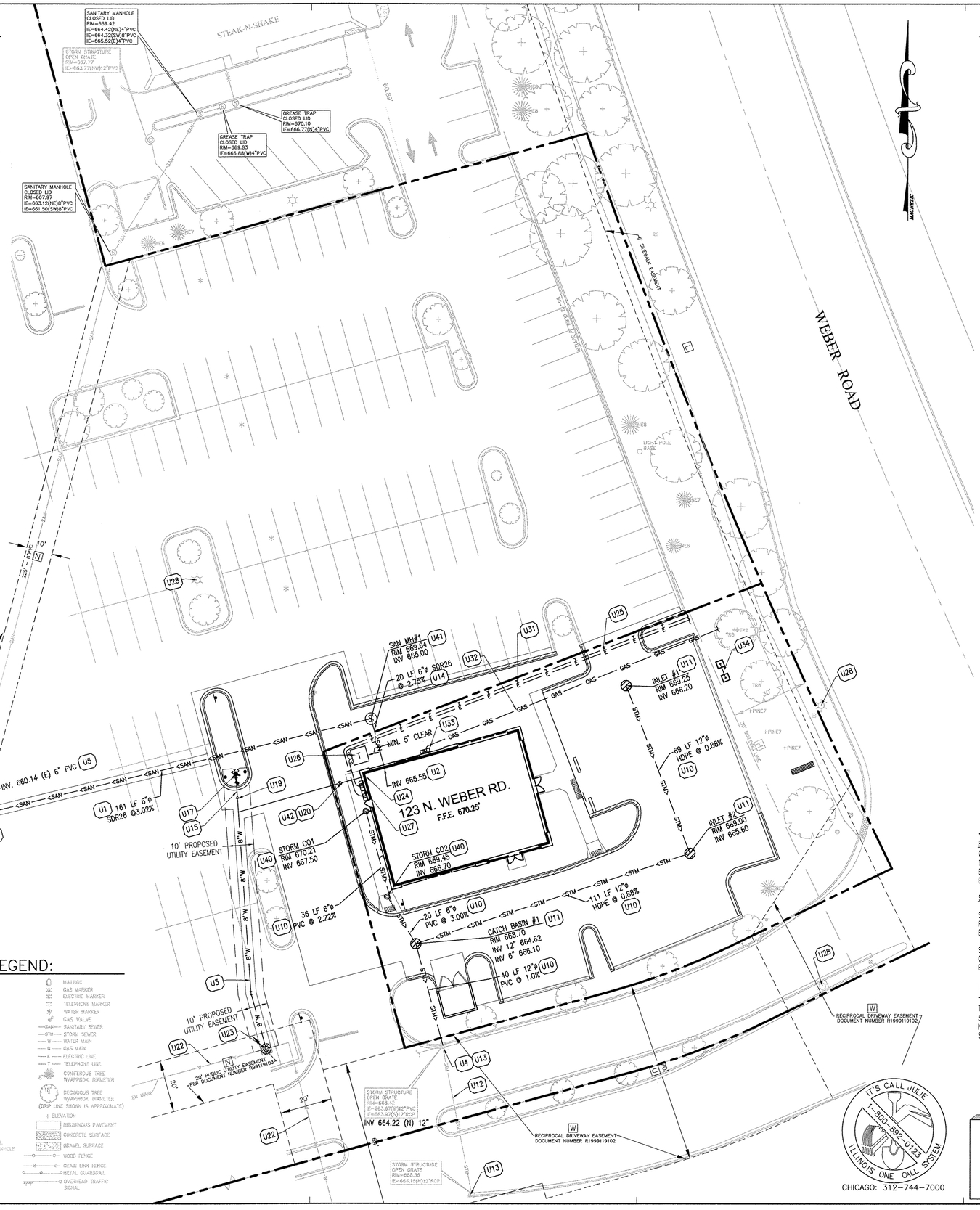
GENERAL UTILITY NOTES:

1. CONTRACTOR IS TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND ENSURE NO CONFLICTS EXIST WITH PROPOSED IMPROVEMENTS. NOTIFY ENGINEER IMMEDIATELY IF UTILITIES ARE LOCATED DIFFERENTLY THAN SHOWN. THE CONTRACTOR SHALL COORDINATE WITH EACH RESPECTIVE UTILITY COMPANY IN ORDER TO RELOCATE IF NEEDED IN CONFORMANCE WITH THEIR GUIDELINES.
2. CONTRACTOR SHALL NOTIFY AND COORDINATE WITH THE APPROPRIATE UTILITY COMPANY PRIOR TO THE REMOVAL OF INDICATED UTILITIES ON SITE (SEE DEMOLITION PLAN). CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY PERMITS REQUIRED FOR DEMOLITION AND HAUL OFF FROM THE APPROPRIATE AUTHORITIES.
3. AUTHORIZATION MUST BE OBTAINED FROM THE GOVERNING AUTHORITY TO CONSTRUCT, ALTER OR MODIFY A WATER OR SEWER LINE. CONSTRUCTION OF WATER AND SEWER INFRASTRUCTURE WILL BE AUTHORIZED BY THE WATER SYSTEM UPON:
   - APPROVAL OF SUBMITTED PLANS.
   - NOTIFICATION OF THE WATER SYSTEM AT LEAST 48 HOURS PRIOR TO STARTING CONSTRUCTION.
4. AT THE COMPLETION OF THE WATER AND/OR SEWER CONSTRUCTION AND PRIOR TO RECORDING THE FINAL PLAT, THE CONTRACTOR WILL FURNISH THE WATER SYSTEM INSPECTOR RECORD DRAWINGS OF THE PROJECT.
5. BUILDING CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH THE GAS COMPANY FOR THE CONSTRUCTION OF THE GAS LINE BETWEEN METER AND MAIN.
6. BUILDING CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH THE POWER COMPANY FOR THE CONSTRUCTION OF ELECTRICAL CONDUIT TO PROVIDE SERVICE TO THE TRANSFORMER.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING, PRIOR TO CONSTRUCTION, ALL EXISTING LOCATIONS AND INVERT ELEVATIONS OF SANITARY SEWERS, STORM DRAINAGE, AND WATER MAINS. IF ANY INVERT ELEVATION VARIES MORE THAN 0.1 FT. FROM RECORD ELEVATIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY. WORK SHALL NOT PROCEED UNTIL THE CONTRACTOR IS NOTIFIED BY THE ENGINEER.
8. CONNECT TO EXISTING UTILITIES AND INSTALL UTILITIES IN COMPLIANCE WITH REQUIREMENTS OF APPROPRIATE JURISDICTIONAL AGENCIES.
9. COORDINATE WITH BUILDING PLANS TO ASSURE ACCURACY OF UTILITY CONNECTIONS AND COMPLIANCE WITH LOCAL CODES.
10. ALL SEWERS TO BE MAINTAINED THROUGHOUT CONSTRUCTION, INCLUDING CLEANING OF ANY SILT OR DEBRIS ACCUMULATED IN STRUCTURES.
11. ALL SURPLUS EXCAVATED MATERIAL FROM THE TRENCH SHALL BE DISPOSED OFF THE SITE BY CONTRACTOR.
12. COORDINATE EXACT TRENCHING, ROUTING, AND POINT OF TERMINATION WITH ALL UTILITY COMPANIES.
13. ALL TRENCH LINES NEED TO BE PLATED AT THE END OF THE WORK DAY.
14. SEE GENERAL NOTES FOR ADDITIONAL INFORMATION.



PROPOSED LEGEND:

- PROPERTY LINE
- PROPOSED CURB & GUTTER
- PROPOSED REVERSED PITCH C&G
- PROPOSED STORM SEWER LINE
- PROPOSED ELECTRIC LINES
- PROPOSED GAS LINES
- PROPOSED SANITARY SEWER LINES
- PROPOSED WATER MAIN
- PROPOSED STORM STRUCTURE
- PROPOSED CLEANOUT
- PROPOSED SANITARY STRUCTURE
- PROPOSED WATER VALVE VAULT
- PROPOSED FIRE DEPARTMENT CONNECTION
- PROPOSED FIRE HYDRANT
- PROPOSED TRANSFORMER
- PROPOSED GAS METERS
- PROPOSED ELECTRIC METERS
- PROPOSED LIGHT POLE
- UTILITY CROSSING

EXISTING LEGEND:

- FOUND 7/8" D.I.S.P. (UNLESS OTHERWISE NOTED) (NFD) LOCATION
- CONCRETE MONUMENT
- CROSS IN CONCRETE
- MANHOLE
- STORM STRUCTURE
- SANITARY MANHOLE
- VALVE VAULT
- FIRE HYDRANT
- FLARED END SECTION
- UTILITY POLE
- GUY POLE
- OVERHEAD TRAFFIC SIGNAL
- TRAFFIC SIGNAL MANHOLE
- OVERHEAD ELECTRIC WIRES
- GAS METER
- ELECTRIC METER
- TRANSFORMER PAD
- TELEPHONE PEDESTAL
- ELECTRIC PEDESTAL
- TELEPHONE MANHOLE
- CABLE TELEVISION PEDESTAL
- DOWNSPOUT/ALTA EGRESS MANHOLE
- MAILBOX
- SIGNS
- BOLLARD POLE
- LIGHT
- HIGH POLE
- MAILBOX
- GAS MARKER
- ELECTRIC MARKER
- TELEPHONE MARKER
- WATER MARKER
- GAS VALVE
- SANITARY SEWER
- STORM SEWER
- WATER MAIN
- GAS MAIN
- ELECTRIC LINE
- TELEPHONE LINE
- CONIFEROUS TREE W/APPROX. DIAMETER
- DECIDUOUS TREE W/APPROX. DIAMETER (DRIP LINE SHOWN IS APPROXIMATE)
- ELEVATION
- BITUMINOUS PAVEMENT
- CONCRETE SURFACE
- GRAVEL SURFACE
- WOOD FENCE
- CHAIN LINK FENCE
- METAL GUARDRAIL
- OVERHEAD TRAFFIC SIGNAL

UTILITY KEY NOTES

U1	PROPOSED SANITARY SEWER LINE (TYP).
U2	PROPOSED SANITARY SEWER POINT OF ENTRY. SEE MEP PLANS FOR DETAILS.
U3	PROPOSED 8" DUCTILE IRON WATERMAIN. **[ALL WORK TO BE DONE AT NIGHT]**
U4	CONNECT PROPOSED STORM SEWER LINE TO EXISTING STORM STRUCTURE. FIELD VERIFY LOCATION AND INVERT ELEVATION. CONTRACTOR SHALL REPAIR ANY EXISTING CURB AND GUTTER OR PAVEMENT DAMAGED DURING THE UTILITY CONNECTION.
U5	CORE DRILL AND CONNECT PROPOSED SANITARY SERVICE TO EXISTING SANITARY MANHOLE STRUCTURE. FIELD VERIFY
U8	EXISTING SANITARY SEWER LINE. FIELD VERIFY.
U9	EXISTING SANITARY SEWER STRUCTURE.
U10	PROPOSED STORM SEWER LINE. (TYP.)
U11	PROPOSED STORM SEWER STRUCTURE. (TYP.)
U12	EXISTING STORM LINE.
U13	EXISTING STORM STRUCTURE.
U14	PROPOSED 6" SANITARY SEWER SERVICE
U15	PROPOSED 6" DUCTILE IRON WATER LINE
U17	PROPOSED FIRE HYDRANT WITH AUXILIARY VALVE.
U19	PROPOSED 8" X 6" REDUCER.
U20	PROPOSED 1" TYPE K COPPER DOMESTIC SERVICE WITH B.BOX. MAINTAIN MINIMUM 18" VERTICAL CLEARANCE FROM SANITARY OR STORM SEWER LINES.
U22	EXISTING 12" WATER LINE. FIELD VERIFY.
U23	CONNECT PROPOSED 8" WATER LINE TO EXISTING 12" WATER LINE WITH PRESSURE CONNECTION IN VALVE VAULT PER LOCAL JURISDICTION. FIELD VERIFY LOCATION.
U24	PROPOSED DOMESTIC METER LOCATED INSIDE BUILDING PER ILLINOIS AMERICAN WATER STANDARDS. LOCATION OF PROPOSED METER TO BE VERIFIED WITH THE ARCHITECT PRIOR TO BEGINNING CONSTRUCTION.
U25	PROPOSED ELECTRIC SERVICE LINE. CONTRACTOR SHALL COORDINATE WITH ELECTRIC COMPANY PRIOR TO ANY EXCAVATION OR INSTALLATION OF CONDUITS. NO OTHER UTILITIES ALLOWED IN ELECTRIC DITCH.
U26	PROPOSED TRANSFORMER PAD. CONTRACTOR SHALL COORDINATE WITH ELECTRIC COMPANY TO INSTALL TRANSFORMER PAD PER ELECTRIC COMPANY'S SPECIFICATIONS AND VERIFY THE LOCATION. CONTRACTOR SHALL HAVE INSPECTOR VERIFY CONSTRUCTION PRIOR TO CLOSING TRENCH.
U27	PROPOSED ELECTRIC METER. CONTRACTOR SHALL COORDINATE WITH ELECTRIC COMPANY AND ARCHITECT PRIOR TO ANY EXCAVATION OR INSTALLATION OF CONDUITS.
U28	EXISTING LIGHT POLE LOCATIONS TO REMAIN.
U31	PROPOSED TELEPHONE SERVICE LINE. CONTRACTOR SHALL COORDINATE WITH TELEPHONE COMPANY AND ARCHITECT PRIOR TO ANY EXCAVATION OR INSTALLATION OF CONDUITS.
U32	PROPOSED GAS SERVICE LINE. CONTRACTOR SHALL COORDINATE WITH GAS COMPANY FOR THE INSTALLATION OF THE GAS SERVICE LINE.
U33	PROPOSED GAS METERS. CONTRACTOR SHALL COORDINATE WITH GAS COMPANY AND ARCHITECT PRIOR TO ANY EXCAVATION OR INSTALLATION OF CONDUITS.
U34	PROPOSED LIGHT POLE. SEE PHOTOMETRIC PLANS FOR DETAILS.
U40	PROPOSED STORM SEWER CLEAN OUT
U41	PROPOSED SANITARY SEWER MANHOLE
U42	PROPOSED 1" SERVICE LINE FOR IRRIGATION. THE LOCATION POINT FOR THE IRRIGATION LINE WILL BE DESIGN BUILT AND PREPARED BY THE IRRIGATION CONTRACTOR.

BENCHMARK:

REFERENCE BENCHMARK:
COUNTY OF WILL CONTROL MONUMENT 6067 (NAVD88)
TABLET STAMPED "639.15 1982" IN THE SOUTHEAST HEADWALL OF BRIDGE OVER THE EAST BRANCH OF THE DUPAGE RIVER NEAR THE NORTHEAST CORNER OF SECTION 7.
ELEVATION = 638.20

SITE BENCHMARKS:

SITE BENCHMARK 1
FINISHED FLOOR AT FRONT SOUTHEAST DOOR OF STEAK-N-SHAKE.
ELEVATION = 671.03

SITE BENCHMARK 2
CROSS CUT IN THE SOUTH SIDE OF CONCRETE TRAFFIC SIGNAL BASE.
ELEVATION = 673.16

FLOOD NOTE:

THIS SITE FALLS WITHIN "OTHER AREAS: ZONE "X" (AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOODPLAIN) AS DEFINED BY THE FLOOD INSURANCE RATE MAP, MAP NUMBERS 17197C0034 E AND 17197C0053 E, BOTH HAVING EFFECTIVE DATES OF SEPTEMBER 6, 1995.

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

PRELIMINARY PLANS
(NOT FOR CONSTRUCTION)

GreenbergFarrow

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PROJECT TEAM

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ISSUE/REVISION RECORD

DATE	DESCRIPTION
10-28-11	VILLAGE REVIEW
1-10-14	VILLAGE REVIEW
2-7-14	VILLAGE REVIEW
5-12-14	REV. PER NEW BLDG.
5-29-14	BUILDING PERMIT
7-11-14	VILLAGE REVIEW
9-5-14	PLAN COMMISSION
10-7-14	BUILDING PERMIT
10-23-14	VILLAGE REVIEW

PROFESSIONAL SEAL

LICENSED PROFESSIONAL ENGINEER
KERI L. WILLIAMS
062-058662
10/23/14
STATE OF ILLINOIS
Exp. 11/30/15

PROFESSIONAL IN CHARGE
KERI WILLIAMS, PE
PROFESSIONAL ENGINEER
LICENSE NO. 062-058662

PROJECT MANAGER
KERI WILLIAMS, PE

QUALITY CONTROL
JAMES COYLE

DRAWN BY
JIA-JENG CHU

PROJECT NAME
KEY DEVELOPMENT PARTNERS

BOLINGBROOK, IL
(SWQ) WEBER RD & BOUGHTON RD

PROJECT NUMBER
20130893.0

SHEET TITLE
UTILITY PLAN

SHEET NUMBER
C5.0