

**GENERAL GRADING/DRAINAGE NOTES:**

- ALL GRADING AND SITE PREPARATION SHALL CONFORM WITH SPECIFICATIONS CONTAINED IN THE GEOTECHNICAL REPORT.
- ALL CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE TO THE CITY LATEST CONSTRUCTION SPECIFICATIONS AND DETAILS.
- PRIOR TO ANY EXCAVATION OF THE PROJECT SITE, THE CONTRACTOR SHALL NOTIFY THE CITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCHMARKS, REFERENCE POINTS AND STAKES.
- ALL INDICATED ELEVATIONS ARE FINISHED ELEVATIONS.
- FIELD VERIFY LOCATIONS, SIZES AND IF APPLICABLE INVERTS OF EXISTING UTILITIES FOR PROPOSED CONNECTIONS PRIOR TO CONSTRUCTION.
- LOCATE AND PROTECT ALL UTILITIES ASSOCIATED WITH THE PROJECT PRIOR TO CONSTRUCTION.
- INSTALL SILT CONTROL MEASURES BEFORE BEGINNING SITE WORK. THESE MEASURES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
- MAINTAIN PROPER SITE DRAINAGE AT ALL TIMES DURING CONSTRUCTION. PREVENT STORM WATER FROM RUNNING INTO OR STANDING IN EXCAVATED AREAS.
- INSTALL ALL APPROPRIATE TREE PROTECTION MEASURES PRIOR TO GRADING.
- CUT AND FILL SLOPES SHALL HAVE A MAXIMUM SLOPE OF 3:1.
- ALL EXCAVATION SHALL INCLUDE CLEARING, STRIPPING AND STOCKPILING TOPSOIL, REMOVING UNSUITABLE MATERIALS, THE CONSTRUCTION OF EMBANKMENTS, CONSTRUCTION FILLS, AND THE FINAL SHAPING AND TRIMMING TO THE THE LINES AND GRADES SHOWN ON THE PLANS.
- ALL TREES, BRUSH, AND ORGANIC TOPSOIL AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED, UNLESS OTHERWISE SPECIFIED, AND DISPOSED OF AT AN OFF-SITE LOCATION, WITH THE EXCEPTION THAT ENOUGH TOPSOIL SHALL BE RETAINED FOR RESPIREAD AND GENERAL LANDSCAPING. AREAS WHICH ARE TO BE FILLED SHALL BE COMPACTED TO A MAXIMUM DENSITY OF 95% AS DETERMINED BY THE MODIFIED HASHTO COMPACTION TEST IN THE PAVED AREAS AND 85% IN THE OTHER AREAS.
- PROVIDE AND INSTALL TOPSOIL IN DISTURBED AREAS TO BE GRASSED, TO INCLUDE PAVEMENT SHOULDERS AND DETENTION AREAS.
- ALL EARTHWORK AND BASE COURSE FOR THE PARKING AREA SHALL BE COMPACTED TO A MINIMUM OF 95% MODIFIED LABORATORY DENSITY. CERTIFICATION SAID COMPACTION SHALL BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER, OR HIS/HER REPRESENTATIVE, PRIOR TO THE PLACEMENT OF THE BASE COURSE MATERIAL. BOTH PROOF ROLLING AND COMPACTION TESTING MUST BE APPROVED AND WITNESSED BY THE ENGINEER OR OWNER REPRESENTATIVE.
- THE PAVEMENT SUBGRADE AND BASE COURSE MATERIAL SHALL BE INSPECTED AND APPROVED BY THE ENGINEER OR OWNER REPRESENTATIVE PRIOR TO CONSTRUCTING THE BASE AND SURFACE COURSES THEREON.
- CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE TO ALL INLETS AND CATCH BASINS. AREAS OF SURFACE PONDING SHALL BE CORRECTED BY CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
- IF AREAS ARE DISTURBED BEYOND PROPOSED GRADES BY NEGLIGENCE OF THE CONTRACTOR, THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY REGRADING OR REPAIR TO MATCH ORIGINAL EXISTING CONDITIONS.
- SHORING SHALL BE DONE AS NECESSARY FOR THE PROTECTION OF THE WORK AND FOR THE SAFETY OF PERSONNEL. SHORING SHALL BE IN ACCORDANCE WITH ALL O.S.H.A AND LOCAL REGULATIONS.
- STRUCTURES FOR STORM SEWERS SHALL BE IN ACCORDANCE WITH THESE IMPROVEMENT PLANS AND THE APPLICABLE STANDARD SPECIFICATIONS. WHERE GRANULAR TRENCH BACKFILL IS REQUIRED AROUND THESE STRUCTURES, THE COST SHALL BE CONSIDERED AS INCIDENTAL AND SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE STRUCTURE.
- CONFIRM INVERTS OF ALL EXISTING STORM AND SANITARY SEWER STRUCTURES BEFORE COMMENCING CONSTRUCTION.
- A GEOTEXTILE MATTING (LANDLOCK TRM 450 OR EQUIVALENT) SHALL BE USED FOR EROSION CONTROL ON ALL SLOPES GREATER THAN 3H:1V.
- ALL SIDEWALKS SHALL HAVE A 2% CROSS SLOPE MAXIMUM.
- SEE GENERAL NOTES FOR ADDITIONAL INFORMATION.

**PROPOSED LEGEND:**

- PROPERTY LINE
- PROPOSED CURB & GUTTER
- PROPOSED REVERSED PITCH C&G
- PROPOSED STORM SEWER LINE
- 533 PROPOSED CONTOUR
- DRAINAGE SLOPE AND DIRECTION
- 669.50 SPOT ELEVATION
- 668.00 TC  
667.50 P TOP OF CURB PAVEMENT
- 670.00 TS  
669.50 P TOP OF SIDEWALK PAVEMENT
- M.E. MATCH EXISTING
- 669.51  
668.97 EXISTING SPOT ELEVATION
- PROPOSED STORM STRUCTURE
- PROPOSED STORM CLEANOUT

**GRADING & DRAINAGE KEY NOTES #1**

- G1 MATCH EXISTING ELEVATION. FIELD VERIFY
- G2 PROPOSED STORM SEWER LINE (TYP)
- G3 EXISTING STORM SEWER LINE, FIELD VERIFY
- G4 PROPOSED STORM SEWER STRUCTURE.
- G5 EXISTING STORM SEWER STRUCTURE. FIELD VERIFY
- G11 PROPOSED STORM SEWER CLEANOUT.

**EXISTING LEGEND:**

- FOUND 2" O.D.L.P. UNLESS OTHERWISE NOTED
- CONCRETE MONUMENT
- CONCRETE IN CONCRETE
- MANHOLE
- STORM STRUCTURE
- STANDARD MANHOLE
- VALVE VAULT
- FLARED END SECTION
- UTILITY POLE
- GUY POLE
- OVERHEAD TRANSFORMER SIGNAL
- TRANSFORMER SIGNAL MANHOLE
- OVERHEAD ELECTRIC WIRES
- EAS METER
- ELECTRIC METER
- TRANSFORMER PAD
- TELEPHONE PEDestal
- ELECTRIC PEDESTAL
- TELEPHONE MANHOLE
- CABLE TELEVISION PEDestal
- COMMUNICATIONS EDISON MANHOLE
- WAVE BOX
- WAVE
- SIGN
- ROADSIDE POLE
- LIGHT
- LIGHT POLE
- MAILBOX
- GAS BARBER
- ELECTRIC BARBER
- TELEPHONE BARBER
- WATER MANGER
- GAS VALVE
- STORM SEWER
- WATER MARK
- GAS MARK
- ELECTRIC LINE
- TELEPHONE LINE
- CONCRETE TREE
- W/ APPROX. DIAMETER
- DECIDUOUS TREE
- W/ APPROX. DIAMETER
- (ORIP LINE SHOWN IS APPROXIMATE)
- ELEVATION
- BIMBUOUS PAVEMENT
- CONCRETE SURFACE
- GRAVEL SURFACE
- WOOD FENCE
- QUICK DRINK FENCE
- PANEL QUADRANT
- OVERHEAD TRAFFIC SIGNAL

**DRAINAGE STATEMENT**

THERE IS NO INCREASE IN IMPERVIOUS AREA AS PART OF THIS PROJECT.

**BENCHMARK:**

REFERENCE BENCHMARK:  
COUNTY WILL CONTROL MONUMENT 6067 (NAV88)  
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

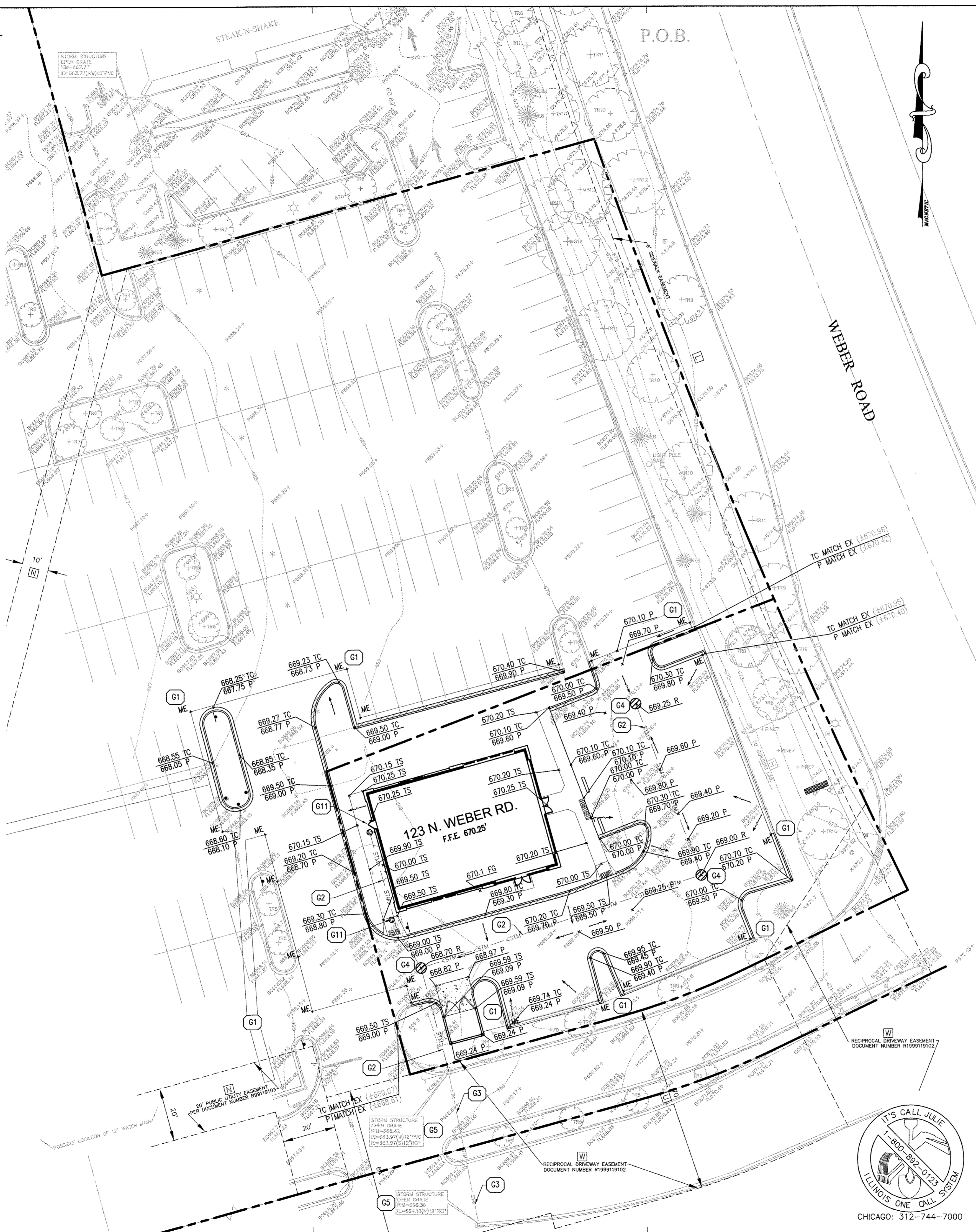
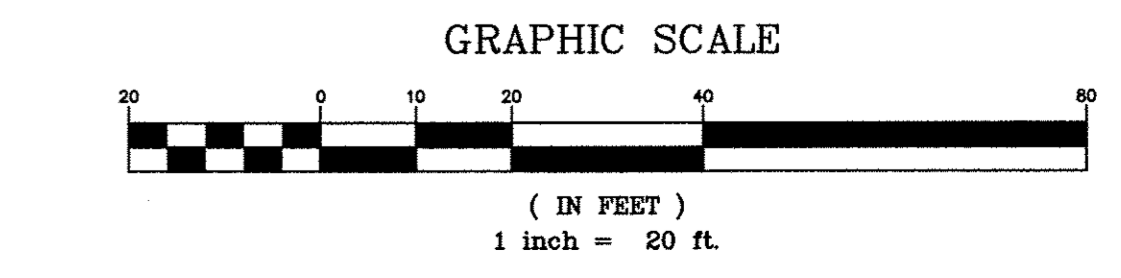
**SITE BENCHMARKS:**

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.



**PRELIMINARY PLANS  
(NOT FOR CONSTRUCTION)**

21 South Evergreen Avenue  
Suite 200  
Arlington Heights, IL 60005  
t: 847 788 9200 f: 847 788 9537

**PROJECT TEAM**

**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 COMMITMENT
10-7-14	BUILDING PERMIT
10-23-14	VILLAGE REVIEW

**PROFESSIONAL SEAL**



**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**  
**GRADING PLAN**

**SHEET NUMBER**  
**C4.0**