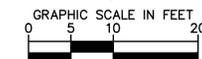
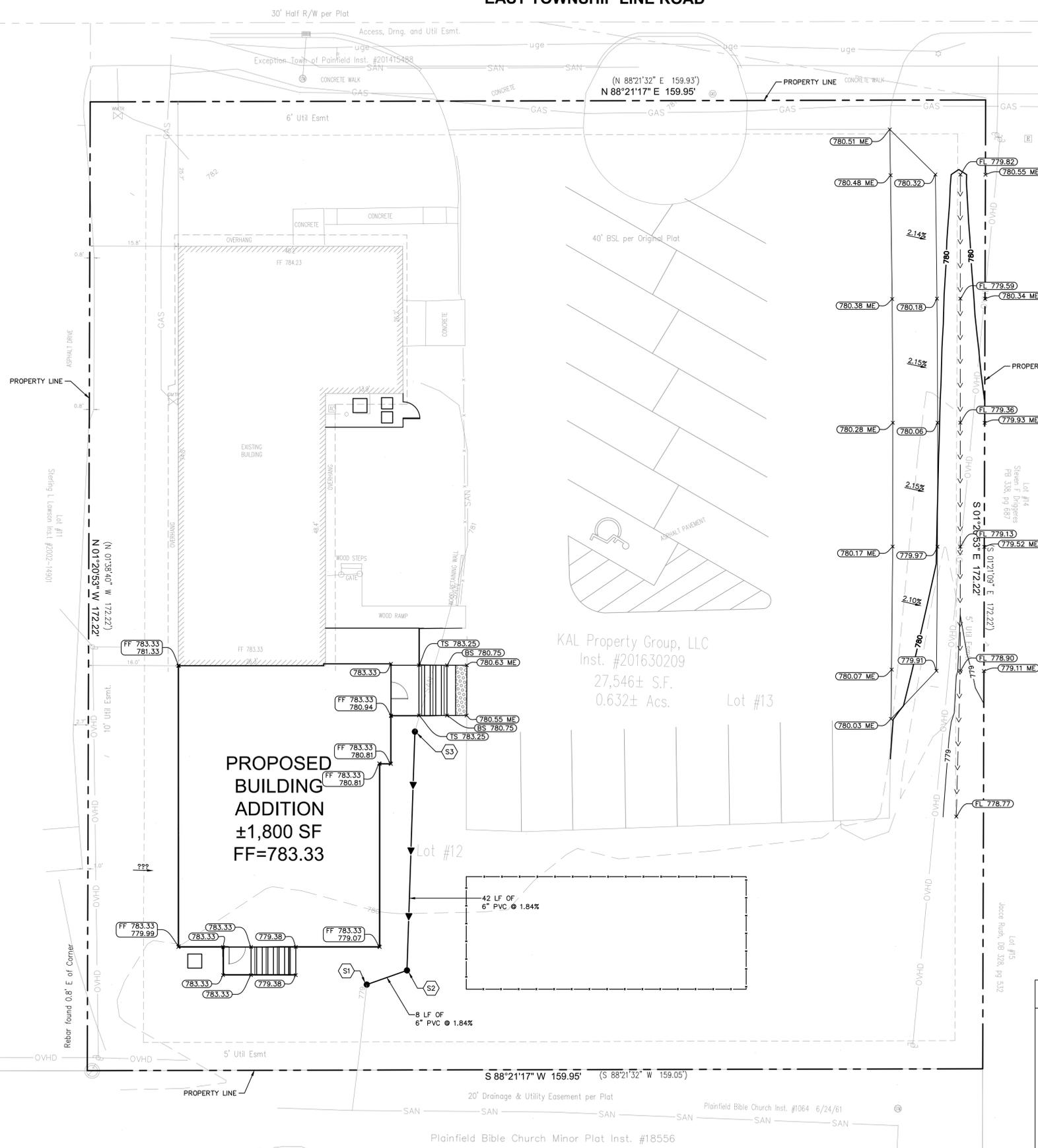




before you dig



EAST TOWNSHIP LINE ROAD



Drawing name: K:\INDOEA\170063003_1&M_IntegrityBehavioralSolutions_Plainfield_IN_2_Design_CADD\PlanSheets\C5.0_GRADING-DRAINAGE-AND-UTILITY-PLAN.dwg Layout1 Dec 21, 2018 7:46am by Lim.Snyder
This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Release of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

GRADING NOTES

- CONTRACTOR TO VERIFY ALL EXISTING TOPOGRAPHY AND STRUCTURES ON THE SITE AND IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO STARTING WORK.
- ALL PAVEMENT SPOT GRADE ELEVATIONS AND RIM ELEVATIONS WITHIN OR ALONG CURB AND GUTTER REFER TO EDGE OF PAVEMENT ELEVATIONS UNLESS OTHERWISE NOTED.
- ALL ELEVATIONS SHOWN DEPICT FINISHED GRADE OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED. GENERAL CONTRACTOR TO COORDINATE WITH EXCAVATION, LANDSCAPE AND PAVING SUBCONTRACTORS REGARDING TOPSOIL THICKNESS FOR LANDSCAPE AREAS AND PAVEMENT SECTION THICKNESS FOR PAVED AREAS TO PROPERLY ENSURE ADEQUATE CUT TO ESTABLISH SUBGRADE ELEVATIONS.
- NO EARTHEN SLOPE SHALL BE GREATER THAN 3:1, UNLESS OTHERWISE NOTED.
- MAXIMUM SLOPE IN ACCESSIBLE PARKING SPACES AND LOADING ZONES SHALL NOT EXCEED 2.0% IN ALL DIRECTIONS.
- MAXIMUM RUNNING SLOPE SHALL NOT EXCEED 5% AND CROSS SLOPE SHALL NOT EXCEED 2% ON ALL SIDEWALKS AND ACCESSIBLE ROUTES UNLESS OTHERWISE NOTED.
- MATCH EXISTING ELEVATIONS AT THE PROPERTY LIMITS.

GRADING LEGEND

- FL = SWALE FLOW LINE
 - ME = MATCH ELEVATION
 - FF = FINISH FLOOR
 - R = RIM ELEVATION
 - TS = TOP OF STAIRS
 - BS = BOTTOM OF STAIRS
-
- 620— PROPOSED CONTOUR
 - - - - - EXISTING CONTOUR
 - X,XXX SLOPE AND FLOW DIRECTION
 - ← 100-YEAR OVERLAND OVERFLOW ROUTE
 - <— PROPOSED SWALE

UTILITY NOTES

- GENERAL UTILITY NOTES**
- ALL SANITARY SEWER LINES SHALL BE PVC MEETING, ASTM D-3034 SDR 26 EXCEPT FOR SANITARY SEWER THAT CROSSES ABOVE WATER MAIN, THIS PIPE SHALL BE AWWA C900 (UNLESS WATER MAIN CASING IS UTILIZED). PROVIDE 24" MINIMUM COVER.
 - CONTRACTOR SHALL COORDINATE ANY DISRUPTIONS TO EXISTING UTILITY SERVICES WITH ADJACENT PROPERTY OWNERS.
 - ALL ELECTRIC AND TELEPHONE EXTENSIONS INCLUDING SERVICE LINES SHALL BE CONSTRUCTED TO THE APPROPRIATE UTILITY COMPANY SPECIFICATIONS. ALL UTILITY DISCONNECTIONS SHALL BE COORDINATED WITH THE DESIGNATED UTILITY COMPANIES.
 - CONSTRUCTION SHALL NOT START ON ANY PUBLIC UTILITY SYSTEM UNTIL WRITTEN APPROVAL HAS BEEN RECEIVED BY THE ENGINEER FROM THE APPROPRIATE GOVERNING AUTHORITY AND CONTRACTOR HAS BEEN NOTIFIED BY THE ENGINEER.
 - CONTRACTOR TO CALL INDIANA 811 (811 OR 800-382-5544) TO COORDINATE FIELD LOCATIONS OF EXISTING UNDERGROUND UTILITIES BEFORE ORDERING MATERIALS OR COMMENCING CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
 - PRIOR TO THE CONSTRUCTION OF OR CONNECTION TO ANY STORM DRAIN, SANITARY SEWER, WATER MAIN OR ANY OTHER UTILITIES, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULATE ALL POINTS OF CONNECTION AND ALL UTILITY CROSSINGS AND INFORM THE ENGINEER AND THE OWNER/DEVELOPER OF ANY CONFLICT OR REQUIRED DEVIATIONS FROM THE PLAN. NOTIFICATION SHALL BE MADE A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION. THE ENGINEER AND ITS CLIENTS SHALL BE HELD HARMLESS IN THE EVENT THAT THE CONTRACTOR FAILS TO MAKE SUCH NOTIFICATION. THE MUNICIPALITY SHALL BE NOTIFIED OF ANY AND ALL CHANGES TO THE DESIGN PLANS.
 - CONTRACTOR SHALL COMPLY COMPLETELY WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING AND OTHER MEANS OF PROTECTION. THIS IS TO INCLUDE, BUT NOT LIMITED TO ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH PERFORMANCE CRITERIA AS REQUIRED BY OSHA.
 - CONTRACTOR TO AVOID DISRUPTION OF ANY ADJACENT TENANT'S TRAFFIC OPERATIONS DURING INSTALLATION OF UTILITIES.
 - ALL DIMENSIONS ARE TO CENTERLINE OF PIPE OR CENTER OF MANHOLE UNLESS NOTED OTHERWISE.
 - SEE ARCHITECTURAL AND MEP PLANS FOR EXACT UTILITY CONNECTION LOCATIONS AT BUILDING.

SANITARY STRUCTURE TABLE

STRUCTURE NAME:	DETAILS:
S1	6" CLEANOUT RIM: 781.39 INV IN: 776.83 (E) INV OUT: 776.83 (S)
S2	6" CLEANOUT RIM: 781.74 INV IN: 776.97 (N) INV OUT: 776.97 (W)
S3	6" CLEANOUT RIM: 782.68 INV IN: 777.75 (N) INV OUT: 777.75 (S)

BENCHMARKS

SITE BENCHMARKS:
(LOCATIONS SHOWN ON SURVEY)

TBM #1 MAG NAIL
N: 1629071.70, E: 3150131.86
ELEVATION=780.99

TBM #2 MAG NAIL
N: 1628966.76, E: 3150141.22
ELEVATION=780.17

TOPOGRAPHIC NOTE:
THE TOPOGRAPHIC DATA WAS GATHERED USING STANDARD RADIAL SURVEYING TECHNIQUES WITH AN ELECTRONIC TOTAL STATION AND DATA COLLECTOR. ELEVATIONS ON HARD SURFACES OR STRUCTURES ARE ACCURATE TO WITHIN 0.05 FEET. ELEVATIONS ON NATURAL SURFACES ARE ACCURATE TO WITHIN 0.1 FEET. CONTOURS ARE PLOTTED BASED UPON INTERPOLATION OF SPOT ELEVATIONS SHOWN HEREON AND ARE ACCURATE TO GENERALLY WITHIN ONE HALF THE CONTOUR INTERVAL.

ORIGINATING BENCHMARK ESTABLISHED WITH TRIMBLE GPS SURVEY GRADE EQUIPMENT AND INDIANA CORRS NETWORK.
HTTP://INCORS.IN.GOV/DEFAULT.ASPX
ELEVATIONS~ NAVD '88
HORIZONTAL INDIANA STATE PLANE EAST ZONE.

UTILITY LEGEND

- EX. HYDRANT
- ⊕ EX. WATER VALVE
- ⊙ EX. SANITARY SEWER CLEANOUT
- W — EX. WATER LINE
- GAS — EX. GAS LINE
- OVHD — EX. OVERHEAD ELECTRIC LINE
- uge — EX. UNDERGROUND ELECTRIC LINE
- SAN — EX. SANITARY SEWER MAIN/LATERAL
- <— PROPOSED SANITARY SEWER LATERAL
- PROPOSED SANITARY SEWER CLEANOUT

SCALE: AS NOTED	DESIGNED BY: BAS	DRAWN BY: LJS	CHECKED BY: WBS	DATE	BY
<p>GRADING AND DRAINAGE AND UTILITY PLAN</p>					
<p>INTEGRITY BEHAVIORAL SOLUTIONS EXPANSION SOLUTIONS EXPANSION 1599 TOWNSHIP LINE ROAD PLAINFIELD, IN 46168</p>					
<p>ORIGINAL ISSUE: 11/30/18 KHA PROJECT NO. 170063003</p>					
<p>SHEET NUMBER</p>					
<p>C5.0</p>					

