GENERAL NOTES

1. INGENIUM ENTERPRISES, INC. (IE) REGULARLY UPDATES ELECTRONIC FILES DURING THE DEVELOPMENT OF A PROJECT. AS A RESULT, THE DATA INCLUDED IN ANY CAD FILE OR DRAWING PRIOR TO ITS FINAL RELEASE DOES NOT NECESSARILY REFLECT THE COMPLETE SCOPE OR CONTENT AS DEFINED IN THE CONTRACT. THE CONTENTS IN THESE FILES MAY THEREFORE BE PRELIMINARY, INCOMPLETE WORK IN PROGRESS, AND SUBJECT TO CHANGE. FURTHERMORE, THE INFORMATION CONTAINED HEREIN IS THE EXCLUSIVE PROPERTY OF IE. THE ORIGINAL IDEAS REPRESENTED HERE BY THIS INFORMATION SHALL NOT BE USED, ALTERED, OR REPRODUCED IN ANY MANNER WITHOUT THE EXPRESSED WRITTEN CONSENT OF IE.
2. DEVIATIONS FROM THESE PLANS AND NOTES WITHOUT PRIOR CONSENT OF THE OWNER, HIS REPRESENTATIVE, OR THE ENGINEER MAY CAUSE THE WORK TO BE UNACCEPTABLE.
3. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO COVER A COMPLETE PROJECT, READY TO USE, AND ALL ITEMS NECESSARY FOR A COMPLETE AND WORKABLE JOB SHALL BE FURNISHED AND INSTALLED. THIS INCLUDES ALL STRIPING AND SIGNAGE.
4. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND WILL NOT BE LIMITED TO NORMAL WORKING HOURS. THE DUTY OF THE OWNER TO CONDUCT CONSTRUCTION REVIEW OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES, IN, ON OR NEAR THE CONSTRUCTION SITE. CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL BARRICADES, WARNING SIGNS, FLASHING LIGHTS AND TRAFFIC CONTROL DEVICES DURING CONSTRUCTION. CONTRACTOR TO COMPLY WITH ALL OSHA REGULATIONS REQUIREMENTS AND SAFETY MEETING REQUIREMENTS.
5. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION, MEANS, METHODS, TECHNIQUES, OR PROCEDURES UTILIZED BY THE CONTRACTOR, NOR FOR THE SAFETY OF PUBLIC OR CONTRACTOR'S EMPLOYEES, OR FOR THE FAILURE OF THE CONTRACTOR TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
6. THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL LOCAL, STATE, AND FEDERAL CERTIFICATION AND LICENSING REQUIREMENTS FOR CONSTRUCTION, INCLUDING BUT NOT LIMITED TO: LAND DISTURBANCE PERMITS, BUILDING PERMITS, DEMOLITION PERMITS, NPDES PERMITS, DEWATERING PERMITS, ETC.

GRADING & DRAINAGE NOTES

1. SEE LANDSCAPE PLAN FOR REQUIRED TREES AND GROUND COVER.
2. SLOPE OF SURFACE GRADE SHALL BE A MINIMUM OF 1.00%
3. MAXIMUM CUT OF FILL SLOPES IS 2H:1V.
4. THE CONTRACTOR SHALL PROVIDE CLEAN, SUITABLE MATERIAL FOR REQUIRED FILL. SHOULD A SUFFICIENT QUANTITY OF SUITABLE MATERIAL NOT BE AVAILABLE FROM THE REQUIRED EXCAVATION ON THE SITE.
5. ALL FILL SHOULD BE PLACED IN THIN, HORIZONTAL LOOSE LIFTS (MAXIMUM 6-INCH) AND COMPACTED TO AT LEAST 98 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D 698). THE UPPER 8 INCHES OF SOIL BENEATH PAVEMENTS AND SLAB-ON-GRADE SHOULD BE COMPACTED TO AT LEAST 100 PERCENT. COMPACTION MUST BE CERTIFIED BY A NORTH CAROLINA REGISTERED PROFESSIONAL SOILS ENGINEER PRIOR TO THE INSTALLATION OF PAVEMENTS, CURBS, SIDEWALKS OR FOOTINGS OF ANY TYPE.
6. DETENTION POND, DETENTION OUTLET STRUCTURES AND TEMPORARY SEDIMENT POND FEATURES ARE TO BE FULLY CONSTRUCTED AND OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION OR GRADING ON THE SITE AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
7. LENGTH OF RIP-RAP PADS AT PIPE OUTLET STRUCTURES TO BE A MINIMUM LENGTH OF (6) SIX TIMES THE DIAMETER OF THE PIPE.
8. JURISDICTIONAL LAND DISTURBANCE PERMIT MUST BE DISPLAYED ON SITE AT ALL TIMES DURING CONSTRUCTION AND IN PLAIN VIEW FROM A PUBLIC ROAD OR STREET.

GENERAL DEMOLITION NOTES

1. ALL ITEMS TO BE PROTECTED SHALL BE PROTECTED THROUGH ALL THE PHASES OF CONSTRUCTION UNTIL FINAL ACCEPTANCE BY CITY OF KANNAPOLIS/CABARRUS COUNTY IS RECEIVED.
2. CONTRACTOR TO COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS WITH ALL DEMOLITION ACTIVITIES. IF ADDITIONAL REQUIREMENTS ARE REQUIRED FOR HAZARDOUS WASTE REMOVAL INCLUDING BUT NOT LIMITED TO ASBESTOS, SEPTIC FIELDS, LEAD, PCB, TCP, OR OTHER WASTE OR CONTAMINANT, IT IS THE CONTRACTORS RESPONSIBILITY TO COMPLY WITH MANDATES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
3. CONTRACTORS SHALL COORDINATE WITH ALL UTILITY COMPANIES CONCERNING THE ABANDONMENT, RELOCATION AND/OR DEMOLITION OF UTILITIES PRIOR TO CONSTRUCTION. NO WORK IS TO BE PERFORMED ON LIVE LINES UNLESS APPROVED IN WRITING BY THE UTILITY IN ALL CASES. A REPRESENTATIVE FROM THE UTILITY SHALL BE PRESENT FOR INITIAL ABANDONMENT AND/OR LIVE CUTS. CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR UTILITIES AND SHALL PROTECT THEM AT ALL TIMES.
4. CONTRACTOR IS RESPONSIBLE FOR PROCUREMENT OF ALL NECESSARY PERMITS.
5. DEMOLITION SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, HAULING, PERMITTING, FEES, AND COORDINATION WITH PUBLIC AND/OR PRIVATE UTILITY REQUIRED TO REMOVE AND PROPERLY DISPOSE OF ANY ITEM NECESSARY TO PERFORM THE REQUIRED DEMOLITION AS INDICATED ON THE PLANS.
6. RELOCATION SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, HAULING, PERMITTING, FEES, AND COORDINATION WITH PUBLIC AND/OR PRIVATE UTILITY REQUIRED TO REMOVE, RELOCATE, AND INSTALL NEW ITEMS AS INDICATED ON THE PLANS.
7. ABANDONMENT SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, PERMITTING, FEES, AND COORDINATION WITH PUBLIC AND/OR PRIVATE UTILITY REQUIRED TO ADEQUATELY ABANDON ITEMS AS INDICATED ON THE PLANS.
8. THE CONTRACTOR SHALL COORDINATE ALL TREE AND LANDSCAPE REMOVAL WITH THE LANDSCAPE PLANS. ANY DISCREPANCY BETWEEN THIS DEMOLITION PLAN AND THE LANDSCAPE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER IMMEDIATELY.
9. THE CONTRACTOR IS FULLY AND COMPLETELY RESPONSIBLE FOR LOCATION, VERIFICATION, PROTECTION, STORAGE, MAINTENANCE, DEMOLITION, REMOVAL, RELOCATION OR ALTERATION OF ALL EXISTING SITE UTILITIES, SITE IMPROVEMENTS, STRUCTURES, OR CONSTRUCTION ELEMENTS AS REQUIRED TO COMPLETE THE WORK THAT ARE SHOWN ON THE PLANS AND OR THAT ARE OBSERVABLE IN THE FIELD, WHETHER CONSPICUOUSLY VISIBLE OR NOT. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME THOROUGHLY FAMILIAR WITH ALL EXISTING IMPROVEMENTS, UTILITIES, AND SITE CONDITIONS PRIOR TO BIDDING AND CONSTRUCTION.
10. THIS DEMOLITION PLAN IS FOR GRAPHICAL REFERENCE ONLY. ITEMS NOT DEPICTED ON THESE PLAN MAY BE REQUIRED TO BE PROTECTED, REMOVED, OR RELOCATED. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING THE LOCATIONS OF ALL EXISTING STRUCTURES, UTILITIES, AND APPURTENANCES WITHIN THE LIMITS OF CONSTRUCTION. DEMOLITION INCLUDES BUT IS NOT LIMITED TO THE ITEMS SHOWN ON THIS PLAN.
11. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR ANY EXISTING UNDERGROUND OR OVERHEAD UTILITIES.
12. SAWCUT DIMENSIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FIELD STAKE AND CONSULT ENGINEER TO VERIFY PRIOR TO CONSTRUCTION.
13. CONTRACTOR SHALL PROTECT ALL ITEMS OUTSIDE LIMITS OF CONSTRUCTION UNLESS OTHERWISE NOTED IN THE CONSTRUCTION PLANS OR SPECIFICATIONS.

GENERAL SITE NOTES

1. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING IMPROVEMENTS AND TREES AND OTHER DEBRIS WITHIN THE LIMITS OF THE WORK FROM THE SITE. ON SITE BURIAL OF TREES AND OTHER DEBRIS WILL NOT BE ALLOWED. THERE ARE NO KNOWN INERT BURY PITS ON THE SITE AND NONE WILL BE ALLOWED DURING CONSTRUCTION OF THE PROJECT.
2. ALL WORK SHALL COMPLY WITH KANNAPOLIS/CABARRUS COUNTY, STATE OF NORTH CAROLINA, AND FEDERAL CODES AND ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED BY THE CONTRACTOR AT HIS EXPENSE UNLESS PREVIOUSLY OBTAINED BY THE OWNER.
3. ALL WORK SHALL BE PERFORMED IN A FINISHED AND WORKMANLIKE MANNER TO THE ENTIRE SATISFACTION OF THE OWNER, AND IN ACCORDANCE WITH THE BEST RECOGNIZED TRADE PRACTICES.
4. ALL MATERIALS SHALL BE NEW UNLESS USED OR SALVAGED MATERIALS ARE AUTHORIZED BY THE OWNER PRIOR TO USE.
5. ALL WORK PERFORMED ON CITY, COUNTY, AND/OR STATE OR FEDERAL RIGHT-OF-WAY SHALL BE IN STRICT CONFORMANCE WITH APPLICABLE STANDARDS AND SPECIFICATIONS OF THE APPROPRIATE GOVERNING AGENCIES.
6. BASE COURSE MATERIALS, EQUIPMENT, METHODS OF CONSTRUCTION AND WORKMANSHIP SHALL CONFORM TO "STATE OF NORTH CAROLINA" TRANSPORTATION STANDARD SPECIFICATIONS", CURRENT EDITION.
7. ALL BUILDING DIMENSIONS SHALL BE CHECKED AND COORDINATED WITH THE ARCHITECTURAL PLANS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
8. PHOTOMETRIC DESIGNED BY OTHERS. POLE LOCATIONS ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY FINAL LOCATION OF POLES WITH PHOTOMETRIC PLAN AND OWNER PRIOR TO CONSTRUCTION.
9. CONTRACTOR SHALL ENSURE 100% COVERAGE OF ALL LANDSCAPED AREAS WITHIN LIMITS OF WORK, INCLUDING POTENTIAL OFFSITE AREAS. COVERAGE SHALL INCLUDE BOTH LANDSCAPING AND IRRIGATION.

DEFINITIONS

"ISSUED FOR PERMITTING"
DRAWINGS ARE INTENDED FOR SUBMITTAL TO THE JURISDICTION(S) HAVING AUTHORITY FOR REVIEW, COMMENT, AND/OR APPROVAL. DRAWINGS ARE NOT INTENDED FOR PRICING, BID, OR CONSTRUCTION.

"NOT ISSUED FOR CONSTRUCTION"
DRAWINGS ARE INTENDED FOR SUBMITTAL TO THE JURISDICTION(S) HAVING AUTHORITY FOR REVIEW, COMMENT, AND/OR APPROVAL. DRAWINGS ARE NOT INTENDED FOR CONSTRUCTION.

"ISSUED FOR CONSTRUCTION"
DRAWINGS ARE INTENDED FOR PRICING, BID, AND/OR CONSTRUCTION.

"RIM"
1. THROAT OR GRATE ELEVATION FOR CURB INLETS.
2. TOP OF STRUCTURE FOR JUNCTION BOXES/OCS.
3. TOP OF STRUCTURE FOR SANITARY MANHOLES AND CLEANOUTS.

BUILDING AREA NOTES

1. MAINTAIN ACCESS FOR EMERGENCY VEHICLES AROUND AND TO ALL BUILDINGS UNDER CONSTRUCTION; i.e. IN TIMES OF RAIN OR MUD, ROADS SHALL BE PASSABLE TO EMERGENCY VEHICLES BY BEING PAVED OR HAVING A CRUSHED STONE BASE ETC... WITH A MINIMUM WIDTH OF 20 FEET. THE ACCESS TO BUILDINGS HAVING SPRINKLER OR STANDPIPE SYSTEMS SHALL BE TO WITHIN 40 FEET OF THE FIRE DEPARTMENT CONNECTION (NFPA 1141 3-1).
2. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDING IN ALL AREAS AROUND BUILDING. INSTALL FRENCH DRAIN IN LANDSCAPED AREAS ADJACENT TO BUILDING AND CONNECT TO DRAINAGE SYSTEM.

GENERAL STAKING NOTES

1. ALL RADII ARE 3.0' UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS ARE MEASURED TO FACE OF CURB UNLESS OTHERWISE NOTED.
3. ALL SITE LIGHTING POLE DIMENSIONS ARE TO THE CENTERLINE OF THE POLE, UNLESS OTHERWISE NOTED.
4. STAKING OF STRIPING IS TO THE CENTERLINE OF THE STRIPE, UNLESS OTHERWISE NOTED.

GENERAL UTILITY NOTES

1. SEE MEP PLANS FOR CONTINUATION OF ALL UTILITIES INTO BUILDING.
2. SANITARY LATERALS SHALL HAVE A MINIMUM FALL OF 1.00%.
3. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES AND THEIR LOCATIONS AND ELEVATIONS PRIOR TO STARTING CONSTRUCTION AND ALERT ENGINEER TO ANY DISCREPANCIES IMMEDIATELY.
4. THE FINAL LOCATION OF FIRE HYDRANTS, VALVES, WATER LINES, BACKFLOW PREVENTERS, ETC. SHALL BE DETERMINED DURING CONSTRUCTION. NOTIFY THE ENGINEER OF ANY CHANGES TO LOCATION OR CONFIGURATION. NFPA CODES SHALL BE ADHERED TO.
5. THE CONTRACTOR SHALL CONTACT PUBLIC UTILITIES INSPECTIONS AT LEAST 72 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY.
6. ALL WORK TO BE DONE IN STRICT ACCORDANCE WITH LOCAL GOVERNING CODES.
7. UTILITY CONDUIT MATERIAL FOR ELECTRIC, TELEPHONE, AND CABLE SHALL BE INSTALLED PER UTILITY PROVIDER SPECIFICATIONS.
8. CONTRACTOR TO BUILD CONCRETE TRANSFORMER PAD AND INSTALL SCHEDULE 80 PVC CONDUIT AND PULL STRING WITH SWEEPING BENDS.
9. CONTRACTOR SHALL COORDINATE AND VERIFY LOCATION OF ALL SIGNAGE WITH OWNER PRIOR TO CONSTRUCTION.
10. CONTRACTOR SHALL COORDINATE AND ADJUST LOCATION OF LOOP DETECTORS TO AVOID UTILITY CONFLICTS PRIOR TO CONSTRUCTION.
11. CONTRACTOR SHALL INSTALL GENERAL UTILITY CONDUITS TO PLANTERS AROUND BUILDING AND PATIO. SEE ARCHITECTURAL/MEP PLANS FOR CONTINUATION.

ABBREVIATIONS

ASPH	=	ASPHALT
BC	=	BOTTOM OF CURB
BFP	=	BACKFLOW PREVENTER
BW	=	SURFACE DIRT GRADE ELEVATION AT BOTTOM OF WALL
C&G	=	CURB AND GUTTER
C.B.	=	CHORD BEARING
CB	=	CATCH BASIN
CF	=	CUBIC FEET
CL	=	CENTERLINE
CMP	=	CORRUGATED METAL PIPE
Co	=	GENERAL CLEAN OUT
CONC.	=	CONCRETE
CW	=	COLD WATER SUPPLY
CY	=	CUBIC YARD
DOT	=	DEPARTMENT OF TRANSPORTATION
DI	=	DROP INLET
DS	=	DOWN SPOUT
DIP	=	DUCTILE IRON PIPE
E	=	EAST
EL.	=	ELEVATION
EGL	=	ENERGY GRADE LINE
EXIST.	=	EXISTING
FDC	=	FIRE DEPARTMENT CONNECTION
FES	=	FLARED END SECTION
FFE	=	FINISH FLOOR ELEVATION
FH	=	FIRE HYDRANT
GC	=	GENERAL CONTRACTOR
GSF	=	GROSS SQUARE FOOT
GT	=	GREASE TRAP
GV	=	GATE VALVE
HDPE	=	HIGH DENSITY POLYETHYLENE
HGL	=	HYDRAULIC GRADE LINE
HW	=	HOT WATER SUPPLY
IA	=	INTERNAL ANGLE
INV.	=	INVERT
IRR	=	IRRIGATION
L	=	LENGTH OF CURVE
L.C.	=	LENGTH OF CHORD
LFFE	=	LOWER FINISH FLOOR ELEVATION
LP	=	LIGHT PROFIXTURE
LS	=	LANDSCAPE
MH	=	MANHOLE
N	=	NORTH
PC	=	POINT OF CURVATURE
PI	=	POINT OF INTERSECTION
PIV	=	POST INDICATOR VALVE
PROP.	=	PROPOSED
PT	=	POINT OF TANGENCY
PVC	=	POLYVINYL CHLORIDE PIPE
R	=	RADIUS OF CURVE
RCP	=	REINFORCED CONCRETE PIPE
RD	=	ROOF DRAIN
R/W	=	RIGHT-OF-WAY
S	=	SOUTH
SF	=	SQUARE FEET
SSE	=	SANITARY SEWER EASEMENT
STD	=	STANDARD
SY	=	SQUARE YARD
T	=	TANGENT OF CURVE LENGTH
TC	=	TOP OF CURB
TB	=	THRUST BLOCKING
TW	=	TOP OF WALL
TYP.	=	TYPICAL
W	=	WEST
WM	=	WATER METER
W.S.	=	WATER SURFACE
W.S.E.	=	WATER SURFACE ELEVATION
YR	=	YEAR

SEE SURVEY/EXISTING CONDITIONS FOR ABBREVIATIONS SPECIFIC TO THAT SHEET

EXISTING CONDITIONS LEGEND

DESCRIPTION	SYMBOL
IRRIGATION CONTROL VALVE	ICV
IRON PIN FOUND	IPF
IRON PIN SET (1/2" RB)	IPS
OPEN TOP PIPE	OT
CRIMP TOP PIPE	CT
CONCRETE MONUMENT FOUND	CMF
NAIL AND CAP	N & C
REBAR	RB
POWER POLE	PP
TELEPHONE POLE	TP
LAND LOT	LL
LAND LOT LINE	LLL
POINT OF BEGINNING	POB
BUILDING LINE	BL
CENTER LINE	CL
PROPERTY LINE	PL
FIRE HYDRANT	FH
CATCH BASIN	CB
DROP INLET	DI
HEADWALL	HW
JUNCTION BOX	JB
DRAINAGE EASEMENT	DE
WATER METER	WM
WATER VALVE	WV
GAS VALVE	GV
MANHOLE	MH
RIGHT-OF-WAY MONUMENT FOUND	
GAS LINE	GAS
WATER LINE	WAT
SANITARY SEWER LINE	SAN
STORM DRAINAGE PIPE	
OVERHEAD ELECTRIC LINE	
OVERHEAD ELECTRIC/TELEPHONE/TV LINE	OH E/T/TV
OVERHEAD ELECTRIC/TELEPHONE LINE	OH E/T

PROPOSED LEGEND

GENERAL	LINETYPE/SYMBOL
RIGHT-OF-WAY / PROPERTY LINE	
CENTERLINE	
LIMITS OF CONSTRUCTION	LOC
LIMITS OF GRADING / DISTURBANCE	LOD
DETAIL REFERENCE	#
ADDENDUM AND/OR REVISION REFERENCE	#

SITE / HARDSCAPE	LINETYPE/SYMBOL
CHAIN LINK FENCE	
RETAINING WALL	
SCREEN WALL / DUMPSTER ENCLOSURE	
CURB & GUTTER	
HEADER CURB	
CONCRETE SIDEWALK	

UTILITIES	LINETYPE/SYMBOL
DOMESTIC WATER LINE	DW DW
FIRE WATER LINE	FW FW
BUILDING FIRE SPRINKLER LINE	FWS FWS
IRRIGATION WATER LINE	IRR IRR
DOMESTIC WATER METER (WM)	WM
IRRIGATION METER (IRR)	IRR
BACKFLOW PREVENTER (RPZ)	RPZ
DC BACKFLOW PREVENTER	
FIRE VAULT (DDC)	DDC
WATER TAP OR TEE	
GATE VALVE (GV)	GV
THRUST BLOCK (TB)	TB
FIRE HYDRANT (FH)	FH
FIRE DEPARTMENT CONNECTION (FDC)	FDC
SANITARY SEWER (SS)	SS SS
GREASE TRAP VENT LINE (GTV)	GTV GTV
SANITARY MANHOLE (SSMH)	
GENERAL CLEAN OUT (Co)	Co
SANITARY STRUCTURE NUMBER	S2
UNDERGROUND ELECTRIC LINE-PRIMARY	UGE-P UGE-P
UNDERGROUND ELECTRIC LINE-SECONDARY	UGE-S UGE-S
POST INDICATOR VALVE	PIV
SITE LIGHTING POLE	
TRANSFORMER PAD	T
METER/CT PEDESTAL	CT
UNDERGROUND TELEPHONE LINE	UGT UGT
GENERAL UTILITY CONDUIT	GU GU
GAS LINE	G G
GAS METERS	

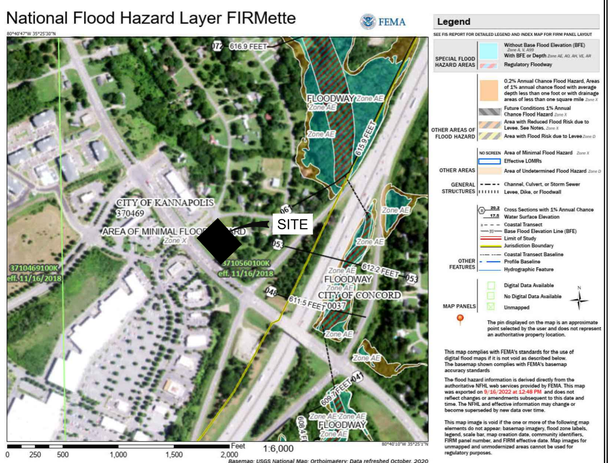
** ALL UTILITIES SHALL BE INSTALLED ACCORDING TO UTILITY PROVIDERS AND JURISDICTION STANDARDS AND SPECIFICATIONS.

GRADING / DRAINAGE	LINETYPE/SYMBOL
GRADE	1000
SPOT ELEVATION	1000.00
STORM DRAIN	
HEADWALL (HW) / FLARED END SECTION (FES)	
DROP INLET (GRATE)	
DROP INLET (GRATE AND HOOD)	
JUNCTION BOX (JB) / OCS	
CATCH BASIN (SINGLE WING)	
CATCH BASIN (DOUBLE WING)	
PEDESTAL TOP	
STORM STRUCTURE NUMBER	A3

ESPC / BMP	LINETYPE/SYMBOL
CONSTRUCTION EXIT (CO)	
SILT FENCE (SF)	
SILT FENCE (SF)	
INLET PROTECTION (IP)	
OUTLET PROTECTION (OP)	
DUST CONTROL	DC
TEMPORARY SEEDING	TS
PERMANENT SEEDING	PS
CONSTRUCTION ROAD STABILIZATION	CRS
CONCRETE WASHOUT	CWO
SLOPE STABILIZATION	
HAY BALES	
TREE PROTECTION	TPF

SEE LANDSCAPE/TREE PROTECTION PLANS FOR LEGEND SPECIFIC TO THOSE SHEETS

FLOOD INSURANCE RATE MAP FIRMETTE



FEMA FLOOD INSURANCE RATE MAP 11/16/2018, DATED 3710560100K
N.T.S.

SOILS MAP

CuB2; CULLEN CLAY LOAM, 2 TO 8 PERCENT SLOPES, MODERATELY ERODED
N.T.S.

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REVISIONS:

ISSUE DATE:

	PLAN CHECK	03-08-23
	BID	XX-XX-XX
	CONSTRUCTION	XX-XX-XX

DRAWN BY: INGENIUM ENTERPRISES

PANDA PROJECT #: D24956
PANDA STORE #: TBD
CIVIL PROJECT #: 220148

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NORTH CAROLINA PROFESSIONAL SEAL 048800 ENGINEER JEREMY M. PETTIT
3/3/2023

GENERAL NOTES

C01.1

PANDA HOME REV4