

| GRADING & DRAINAGE LEGEND | | |
|--|------------------|----------------|
| GRADING/DRAINAGE | LINE TYPE/SYMBOL | REFERENCE |
| GRADE | | SEE PLANS |
| SPOT ELEVATION | | SEE PLANS |
| STORM DRAIN | | EXISTING |
| HEADWALL (HW) / FLARED END SECTION (FES) | | NOT APPLICABLE |
| DROP INLET (GRATE) | | EXISTING |
| DROP INLET (GRATE AND HOOD) | | EXISTING |
| JUNCTION BOX (JB) / CCS | | NOT APPLICABLE |
| CATCH BASIN (SINGLE WING) | | NOT APPLICABLE |
| CATCH BASIN (DOUBLE WING) | | EXISTING |
| PEDESTAL TOP | | NOT APPLICABLE |
| STORM STRUCTURE NUMBER | | NOT APPLICABLE |

| UTILITY LEGEND | | |
|-------------------------------------|------------------|----------------|
| UTILITY | LINE TYPE/SYMBOL | REFERENCE |
| DOMESTIC WATER LINE | | EXISTING |
| FIRE WATER LINE | | EXISTING |
| BUILDING FIRE SPRINKLER LINE | | EXISTING |
| IRRIGATION WATER LINE | | EXISTING |
| DOMESTIC WATER METER (WM) | | EXISTING |
| IRRIGATION METER (IRM) | | EXISTING |
| BACKFLOW PREVENTER (BFP) | | EXISTING |
| FIRE VALVE (FV) | | NOT APPLICABLE |
| DC BACKFLOW PREVENTER | | EXISTING |
| WATER TAP OR TEE | | EXISTING |
| GATE VALVE (GV) | | EXISTING |
| THRUST BLOCK (TB) | | EXISTING |
| FIRE HYDRANT (FH) | | EXISTING |
| FIRE DEPARTMENT CONNECTION (FDC) | | NOT APPLICABLE |
| SANITARY SEWER (SS) | | EXISTING |
| SANITARY MANHOLE (SSMH) | | EXISTING |
| GENERAL CLEAN OUT (GO) | | EXISTING |
| SAMPLING MANHOLE | | EXISTING |
| SANITARY STRUCTURE NUMBER | | NOT APPLICABLE |
| UNDERGROUND ELECTRIC LINE-PRIMARY | | EXISTING |
| UNDERGROUND ELECTRIC LINE-SECONDARY | | EXISTING |
| POST INDICATOR VALVE | | EXISTING |
| SITE LIGHTING POLE | | EXISTING |
| TRANSFORMER PAD | | EXISTING |
| METER/CT PEDESTAL | | EXISTING |
| UNDERGROUND TELEPHONE LINE | | EXISTING |
| GENERAL UTILITY CONDUIT | | (D) PVC |
| GAS LINE | | EXISTING |
| GAS METERS | | EXISTING |

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

GENERAL UTILITY NOTES

- SEE SHEET C01.1 FOR GENERAL NOTES.
- SEE MEP PLANS FOR CONTINUATION OF ALL UTILITIES INTO BUILDING.
- SANITARY LATERALS SHALL HAVE A MINIMUM FALL OF 1.00%.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES AND THEIR LOCATIONS AND ELEVATIONS PRIOR TO STARTING CONSTRUCTION.
- 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.
- THE CONTRACTOR SHALL CONTACT PUBLIC UTILITIES INSPECTIONS AT LEAST 72 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY.
- ALL WORK TO BE DONE IN STRICT ACCORDANCE WITH LOCAL GOVERNING CODES.
- UTILITY CONDUIT MATERIAL FOR ELECTRIC, TELEPHONE, AND CABLE SHALL BE INSTALLED PER UTILITY PROVIDER SPECIFICATIONS.

GRADING & DRAINAGE NOTES

- SEE LANDSCAPE PLAN FOR REQUIRED TREES AND GROUND COVER.
- SLOPE OF SURFACE GRADE SHALL BE A MINIMUM OF 1.00%.
- MAXIMUM CUT OF FILL SLOPES IS 3:1 V:1 H.
- 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.
- ALL FILL SHOULD BE PLACED IN THIN, HORIZONTAL LOOSE LIFTS (MAXIMUM 8 INCHES) 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 AN ALABAMA REGISTERED PROFESSIONAL, SOILS ENGINEER PRIOR TO THE INSTALLATION OF PAVEMENTS, CURBS, SIDEWALKS, OR FOOTINGS OF ANY TYPE.
- 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.
- LENGTH OF RIP-RAP PADS AT PIPE OUTLET STRUCTURES TO BE A MINIMUM LENGTH OF (8) SIX TIMES THE DIAMETER OF THE PIPE.
- JURISDICTIONAL LAND DISTURBANCE PERMIT MUST BE DISPLAYED ON SITE AT ALL TIMES DURING CONSTRUCTION AND IN PLAN VIEW FROM A PUBLIC ROAD OR STREET.
- SEE SHEET C01.1 FOR GENERAL NOTES.

OFF-SITE GRADING WILL BE REQUIRED TO THE EAST OF THE PROPERTY ALONG THE WAFFLE HOUSE SIDE. CONTRACTOR SHALL COORDINATE WITH WAFFLE HOUSE OWNER PRIOR TO ANY LAND DISTURBING OR GRADING ACTIVITIES.

24-HOUR CONTACT:
JOE CELENTO
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CONTRACTOR SHALL PROTECT ALL ITEMS OUTSIDE LIMITS OF CONSTRUCTION UNLESS OTHERWISE NOTED IN THE CONSTRUCTION PLANS OR SPECIFICATIONS.

CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES (LOCATIONS AND ELEVATIONS) PRIOR TO STARTING CONSTRUCTION AND ALERT ENGINEER TO ANY DISCREPANCIES IMMEDIATELY.

| UTILITY INFORMATION | | | | | |
|---------------------------------------|----|-------------------|-----------|---------|------------------|
| WATER | | | | | |
| | GC | SELLER (LANDLORD) | DEVELOPER | UTILITY | ADDITIONAL NOTES |
| LINE EXTENSION TO PROPERTY LINE | | | | | EXISTING |
| SPRING FROM PROPERTY LINE TO BUILDING | | | | | EXISTING |
| TAPPING THE MAIN | | | | | EXISTING |
| WATER VALVE | | | | | EXISTING |
| WATER METER/PIV | | | | | EXISTING |
| DOMESTIC METER | | | | | EXISTING |
| FIRE METER | | | | | EXISTING |
| IRRIGATION METER | | | | | EXISTING |
| DOMESTIC BFP | | | | | EXISTING |
| FIRE BFP | | | | | EXISTING |
| IRRIGATION BFP | | | | | EXISTING |
| OBTAINING EASEMENTS | | | | | |
| OBTAINING ROW WORK PERMITS | | | | | |

| SANITARY SEWER | | | | | |
|-----------------------------------|----|-------------------|-----------|---------|------------------|
| | GC | SELLER (LANDLORD) | DEVELOPER | UTILITY | ADDITIONAL NOTES |
| TAPPING OF THE MAIN | | | | | EXISTING |
| LINE EXTENSION | | | | | EXISTING |
| SERVICE LATERAL (INSIDE PROPERTY) | | | | | EXISTING |
| OBTAINING EASEMENTS | | | | | |
| OBTAINING ROW PERMIT | | | | | |

| ELECTRIC | | | | | |
|----------------------------|----|-------------------|-----------|---------|------------------|
| | GC | SELLER (LANDLORD) | DEVELOPER | UTILITY | ADDITIONAL NOTES |
| PRIMARY CONDUIT | | | | | EXISTING |
| PRIMARY CABLE | | | | | EXISTING |
| PRIMARY FINAL CONNECTION | | | | | EXISTING |
| TRANSFORMER | | | | | EXISTING |
| TRANSFORMER PAD | | | | | EXISTING |
| POLE | | | | | EXISTING |
| SECONDARY CABLE | | | | | EXISTING |
| SECONDARY CONDUIT | | | | | EXISTING |
| SECONDARY FINAL INSPECTION | | | | | EXISTING |
| METER | | | | | EXISTING |
| CT CABINET | | | | | EXISTING |
| CT METER CONDUIT | | | | | EXISTING |
| SOCKET | | | | | EXISTING |
| OBTAINING EASEMENTS | | | | | |
| ROW WORK PERMITS | | | | | |

| TELEPHONE | | | | | |
|----------------------------|----|-------------------|-----------|---------|------------------|
| | GC | SELLER (LANDLORD) | DEVELOPER | UTILITY | ADDITIONAL NOTES |
| CONDUIT | | | | | EXISTING |
| TRENCH & BACKFILL | | | | | EXISTING |
| CABLE & WIRE | | | | | EXISTING |
| OBTAINING EASEMENTS | | | | | |
| OBTAINING ROW WORK PERMITS | | | | | |

| GAS | | | | | |
|----------------------------|----|-------------------|-----------|---------|------------------|
| | GC | SELLER (LANDLORD) | DEVELOPER | UTILITY | ADDITIONAL NOTES |
| TAP | | | | | EXISTING |
| PIPING | | | | | EXISTING |
| TRENCH AND BACKFILL | | | | | EXISTING |
| METER | | | | | EXISTING |
| REGULATOR | | | | | EXISTING |
| OBTAINING EASEMENTS | | | | | |
| OBTAINING ROW WORK PERMITS | | | | | |

BUILDING AREA NOTES

- MAINTAIN ACCESS FOR EMERGENCY VEHICLES AROUND AND TO ALL BUILDINGS UNDER CONSTRUCTION. (A) 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 141 § 5.1).
- 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.
- SEE SHEET C01.1 FOR GENERAL NOTES.

HYDROLOGY STATEMENT

REFER TO THE STORMWATER REPORT COMPLETED BY INGENIUM ENTERPRISES ON JULY 24, 2019.



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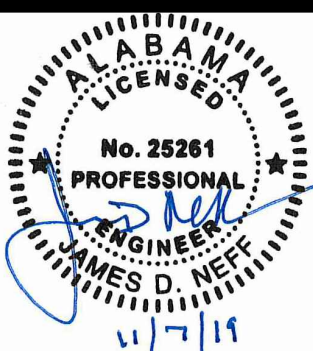
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REVISIONS:

| NO. | DESCRIPTION | DATE |
|-----|--------------|----------|
| 1 | PLAN CHECK | 07/26/19 |
| 2 | PERMIT | 09/09/19 |
| 3 | ADEM | 11/04/19 |
| 4 | BID | 11/07/19 |
| 5 | CONSTRUCTION | XX-XX-XX |

DRAWN BY:

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PANDA EXPRESS

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UTILITY, GRADING & DRAINAGE PLAN

C05.0

XPX REMODEL