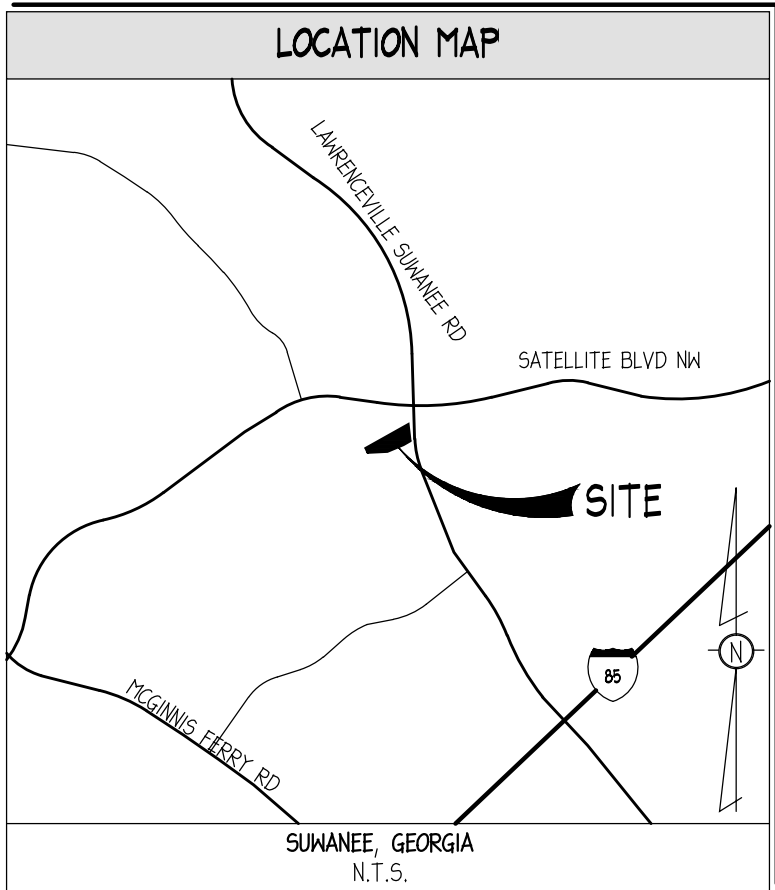


GRADING & DRAINAGE LEGEND		
GRADING/DRAINAGE	LINE/TYPE/SYMBOL	REFERENCE
GRADE	1000	SEE PLANS
SPOT ELEVATION	× 1000.00	SEE PLANS
STORM DRAIN	→	18" RCP
HEADWALL (HW) / FLARED END SECTION (FES)	≡≡≡	N/A
DROP INLET (GRATE)	≡≡≡	N/A
DROP INLET (GRATE AND HOOD)	≡≡≡	N/A
JUNCTION BOX (JB) / OCS	⊙	EXISTING
CATCH BASIN (SINGLE KING)	≡≡≡	N/A
CATCH BASIN (DOUBLE KING)	≡≡≡	N/A
PEDESTAL TOP	⊙	DETAIL 1, SHEET C04.5
STORM STRUCTURE NUMBER	A3	SEE PLANS



### HYDROLOGY STATEMENT

PER "AS-BUILT HYDROLOGY STUDY FOR SUNAEE GATEWAY" ("THE STUDY") PREPARED BY EBERLY AND ASSOCIATES, INC., DATED AUGUST 4, 2008 AND REVISED SEPTEMBER 11, 2009, THE PANDA EXPRESS SITE IS IN BASIN 1 OF THE OVERALL DEVELOPMENT AND WATER QUALITY, CHANNEL PROTECTION, AND FLOOD PROTECTION ARE PROVIDED FOR THE PROPOSED PANDA EXPRESS SITE WITHIN POND 3 OF THE EXISTING OVERALL DEVELOPMENT. PER THE STUDY, BASIN 1 TO POND 3 WAS DESIGNED FOR AN OVERALL CN OF 86. IN THE POST-DEVELOPED CONDITIONS, THE MAJORITY OF THE SITE DRAINS THROUGH TWO FLUMES TO THE EXISTING, ON-SITE INLET, WHICH WILL BE CONVERTED TO A PEDESTAL INLET.

THE CURVE NUMBER FOR THE PROPOSED ON-SITE CONDITIONS IS 84, USING 98 FOR IMPERVIOUS AND 61 FOR PERVIOUS. THE CURVE NUMBER OF THE PROPOSED ON-SITE CONDITIONS IS LOWER THAN THE CURVE NUMBER OF THE OVERALL EBERLY AND ASSOCIATES DESIGN FOR BASIN 1 TO POND 3, THUS THE DRAINAGE FROM THE PROPOSED SITE CONDITIONS MEETS THE DESIGN CRITERIA SET FOR POND 3.

### 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 2:1H.
- 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 6-INCH) AND COMPACTED TO AT LEAST 98 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D 495). 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 GEORGIA 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 (6) SIX TIMES THE DIAMETER OF THE PIPE.
- JURISDICTIONAL LAND DISTURBANCE PERMIT MUST BE DISPLAYED ON SITE AT ALL TIMES DURING CONSTRUCTION AND IN PLAIN VIEW FROM A PUBLIC ROAD OR STREET.
- SEE SHEET C01 FOR GENERAL NOTES.
- THIS SITE IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA PER FIRM 13050044F DATED 9/29/06.

### BUILDING AREA NOTES

- 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).
- 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 FOR GENERAL NOTES.

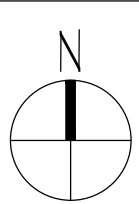
CONTRACTOR SHALL PROTECT ALL ITEMS OUTSIDE LIMITS OF CONSTRUCTION UNLESS OTHERWISE NOTED IN THE CONSTRUCTION PLANS OR SPECIFICATIONS.

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

24-HOUR CONTACT:  
JOE CELENTO  
(912) 201-2129



Know what's below.  
Call before you dig.



GRAPHIC SCALE (in feet): 1" = 10'

NAD83(HARN) GA-NORTH / NAVD83

CONTRACTOR SHALL COORDINATE AND VERIFY LOCATION OF ALL SIGNAGE WITH OWNER PRIOR TO CONSTRUCTION.

CONTRACTOR SHALL COORDINATE AND ADJUST LOCATION OF LOOP DETECTORS TO AVOID UTILITY CONFLICTS PRIOR TO CONSTRUCTION.

CONTRACTOR SHALL INSTALL GENERAL UTILITY CONDUITS TO PLANTERS AROUND BUILDING AND PATIO. SEE ARCHITECTURAL/MEP PLANS FOR CONTINUATION.



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PANDA EXPRESS  
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SUNAEE, GEORGIA



CLIENT:  
**PANDA RESTAURANT GROUP, INC.**

1683 WALNUT GROVE AVE  
ROSEMead, CA 91770  
PHONE: (626) 372-8119

### REVISION HISTORY

1	10/22/2017	10/22/2017
2	10/22/2017	10/22/2017
3	10/22/2017	10/22/2017
4	10/22/2017	10/22/2017
5	10/22/2017	10/22/2017
6	10/22/2017	10/22/2017
7	10/22/2017	10/22/2017
8	10/22/2017	10/22/2017
9	10/22/2017	10/22/2017
10	10/22/2017	10/22/2017

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PROJ # 162051  
DWG NAME 162051\_C05.DWG  
ISSUE DATE 10/22/2017  
PROJ TGR: EB

**BUILDING AREA  
GRADING DETAIL**

C05.1

SHEET NUMBER

ISSUE FOR PERMITTING/BD