GENERAL NOTES

1. THE BOUNDARY AND TOPOGRAPHIC SURVEYS FOR THIS PROJECT WERE FURNISHED BY THE CLIENT. LAM CIVIL ENGINEERING, INC. ASSUMES NO RESPONSIBILITY FOR THE COMPLETENESS AND ACCURACY OF THE SURVEYS. LAM CIVIL ENGINEERING, INC. HAS USED THESE SURVEYS IN PREPARING THE CIVIL SITE PLANS. THE CONTRACTOR SHALL VERIFY THE EXISTING TOPOGRAPHIC DATA, THE LOCATION OF EXISTING SITE FEATURES, UTILITIES, AND ALL OTHER SITE CONDITIONS SHOWN ON THE PLANS PRIOR TO COMMENCING WORK. ANY SITE CONDITIONS DIFFERENT FROM PLANS SHALL BE DISCLOSED AS DESCRIBED IN GENERAL NOTES NUMBER 2.

2. ANY SITE CONDITIONS DIFFERENT FROM THAT WHICH IS REPRESENTED HEREON, WHETHER ABOVE, ON OR BELOW THE SURFACE OF THE GROUND, THE CONTRACTOR SHALL BRING THE DISCREPANCY TO THE IMMEDIATE ATTENTION OF THE OWNER/CLIENT OR ENGINEER OR ARCHITECT IN WRITING WITHIN 48 HOURS OF DISCOVERY. NO CLAIM FOR EXPENSES INCURRED BY THE CONTRACTOR DUE TO SUCH DIFFERING CONDITIONS WILL BE ALLOWED IF HE OR SHE FAILS TO PROVIDE WRITTEN NOTIFICATION TO THE OWNER/CLIENT OR ARCHITECT OR ENGINEER.

3. THE LOCATION OF ALL EXISTING UTILITY SERVICES, FACILITIES AND STRUCTURAL FEATURES SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER DOES NOT GUARANTEE THE ACCURACY OF THE COMPLETENESS OF THE INFORMATION PROVIDED. ANY INACCURACY OR OMISSION IN SUCH INFORMATION SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PROTECT SUCH EXISTING FEATURES FROM DAMAGE OR UNSCHEDULED INTERRUPTION OF SERVICES. SHOULD A DISCREPANCY ARISE BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, CONTRACTOR SHALL BE DISCLOSED AS DESCRIBED IN GENERAL NOTES NUMBER 2.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION, AND FOR NOTIFYING THE VARIOUS UTILITY COMPANIES TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATION, DISRUPTION OF SERVICE, OR CLARIFICATION WITH THE UTILITY COMPANIES. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING AN UNDERGROUND UTILITY, WHETHER SHOWN ON THESE PLANS OR FIELD LOCATED. PRIVATE UTILITIES WHICH INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE RELOCATED BY THE RESPECTIVE UTILITY COMPANY AND THE CONTRACTOR SHALL COOPERATE WITH THE UTILITY COMPANY DURING RELOCATION OPERATIONS. ANY DELAY OR INCONVENIENCE BY THE VARIOUS UTILITY COMPANIES SHALL BE INCIDENTAL TO THE CONTRACT.

5. THE CONTRACTOR SHALL EXAMINE THE SITE FOR ALL CONDITIONS WHICH MAY AFFECT THIS PROJECT EITHER WITHIN THE PROJECT LIMITS AND/OR ADJACENT AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND ASSURING THAT NO EXISTING UTILITIES, DRAINAGE SYSTEM STRUCTURES, OR PHYSICAL STRUCTURE IS WITHIN THE LIMITS OF THE PROJECT. THE OWNER AND THE ENGINEER ASSUME NO RESPONSIBILITY FOR SUBSURFACE CONDITIONS OR FOR THE CONTRACTOR'S FAILURE TO IDENTIFY, LOCATE, AND PROTECT EXISTING FACILITIES.

6. THE CONTRACTOR SHALL LOCATE AND VERIFY THE DEPTHS AND LOCATIONS OF ALL EXISTING UTILITIES FOR THE PROJECT, PRIOR TO ORDERING ANY STRUCTURES.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL REQUIRED PERMITS HAVE BEEN OBTAINED AND IN-HAND PRIOR TO COMMENCING WORK.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SATISFYING ALL REQUIREMENTS OF REGULATORY AGENCY PERMITS CONDITIONS REGARDING CONSTRUCTION AND MAINTENANCE ACTIVITIES AND CONDITIONS STATED THEREIN.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL INSPECTION CRITERIA, INSPECTION SCHEDULES AND SIGNING REQUIRED INSPECTIONS.

10. ALL WORK SHALL BE OPEN TO AND SUBJECT TO INSPECTION BY AUTHORIZED PERSONNEL OF THE CITY AND/OR COUNTY, OWNER, INVOLVED UTILITY COMPANIES, PROJECT ENGINEER AND REGULATORY AGENCIES.

11. ALL MATERIALS, INSTALLATION, AND TEST SHALL BE IN ACCORDANCE WITH LOCAL AND FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. WHERE THE SPECIFICATIONS CONFLICTS, THE MORE STRINGENT SPECIFICATION SHALL APPLY.

12. THE CONTRACTOR SHALL SUBMIT COPIES OF ALL TESTING REPORTS TO THE OWNER AND ENGINEER FOR COORDINATION AND REVIEW.

13. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO ENGINEER AND REGULATORY AGENCIES APPROVAL PRIOR TO PROCUREMENT OF MATERIALS.

14. AS-BUILT DRAWINGS SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER UPON PROJECT CONSTRUCTION COMPLETION BUT PRIOR TO FINAL CERTIFICATION OF COMPLETION BY THE ENGINEER AND LOCAL REGULATORY AGENCIES (SEE AS-BUILT NOTES FOR SPECIFICS REQUIREMENTS).

15. THE CONTRACTOR SHALL COORDINATE BETWEEN MECHANICAL, ELECTRICAL, IRRIGATION, ARCHITECTURAL, CIVIL, AND ETC... IF ANY DISCREPANCIES ARE FOUND THE CONTRACTOR IS TO NOTIFY THE OWNER AND ARCHITECT IN WRITING IMMEDIATELY.

16. ALL HANDICAP ACCESSIBLE CURB RAMPS SHALL BE CONSTRUCTED WITH CONCRETE IN COMPLIANCE WITH THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION, FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT), AND ADA STANDARDS FOR ACCESSIBLE DESIGN (28 CFR PART 36) LATEST EDITION. ALL HANDICAP ACCESSIBLE CURB RAMPS SHALL HAVE CURB RAMP DETECTABLE WARNINGS AS OUTLINED IN FDOT DESIGN STANDARDS INDEX #304 (PUBLIC SIDEWALK CURB RAMPS).

17. ALL MANHOLES, INLETS, AND JUNCTION BOX STRUCTURES SHALL BE PRE-CAST AND IN ACCORDANCE WITH ASTM C-478 UNLESS SPECIFIED ELSEWHERE (I.E. PLANS AND SPECIFICATIONS).

18. BURNING WILL NOT BE ALLOWED UNLESS THE APPROPRIATE PERMIT AND/OR APPROVAL IS OBTAINED FROM THE GOVERNMENTAL ENTITY HAVING JURISDICTION OVER THE BURNING ACTIVITIES AT THE LOCATION WHERE THE PROPOSED BURNING ACTIVITY IS REQUESTED.

19. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN ALL NECESSARY TRAFFIC CONTROL AND SAFETY DEVICES IN ACCORDANCE WITH THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" AND THE LATEST FLORIDA DEPARTMENT OF TRANSPORTATION "ROADWAY DESIGN STANDARDS" INDEX 600, SUCH AS TO EFFECTIVELY PREVENT ACCIDENTS IN ALL PLACES WHERE WORK CAUSES OBSTRUCTION TO THE NORMAL TRAFFIC PATTERN AND/OR FLOW OR CONSTITUTES IN ANY WAY A HAZARD TO THE PUBLIC. IF DURING CONSTRUCTION ACCESS FOR LOCAL TRAFFIC IS CHANGED, THEN THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE GOVERNMENTAL JURISDICTIONAL AGENCY A MINIMUM OF THREE (3) WORKING DAYS IN ADVANCE.

20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE OF TRAFFIC (MOT) PLANS AND SIGNAGE THAT WILL BE REQUIRED FOR THIS PROJECT AND SHALL INCLUDE THE MOT PLANS AND SIGNAGE IN THE BID FOR THIS PROJECT..

21. SIGNAGE AND STRIPING SHALL CONFORM TO THE FDOT DESIGN STANDARD LATEST EDITION AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) 2003 EDITION.

22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION ALL EXISTING CORNER MONUMENT AND/OR BENCHMARKS. DISTURBED CORNER MONUMENT AND/OR BENCHMARKS SHALL BE RESTORED BY FLORIDA LICENSED SURVEYOR SELECTED BY THE OWNER AT THE CONTRACTOR'S EXPENSE.

23. THE CONTRACTOR SHALL PROVIDE AT A MINIMUM OF ONE (1) VERTICAL TO ONE (1) HORIZONTAL SIDE SLOPE FOR DIG TRENCHES AT ALL TIMES. WHERE DIG TRENCHES ARE STEEPER THAN ONE (1) VERTICAL TO ONE (1) HORIZONTAL, A TRENCH BOX SHALL BE USED.

NOTE:

THE OWNER USED IN THESE NOTES SHALL MEAN

PASTOR JOSEPH DIVRA
FIRST HAITIAN FREE CHURCH OF NAZARENE BY FAITH
308 SOUTH ORANGE BLOSSOM TRAIL
ORLANDO, FLORIDA 32805

DEMOLITION NOTES

1. 48 HOURS PRIOR TO COMMENCING OF CONSTRUCTION, CONTRACTOR SHALL CALL SUNSHINE (1-800-432-4770) FOR UTILITY LOCATES WITHIN THE CONSTRUCTION LIMITS AND ANY AREA TO BE EXCAVATED.

2. THE CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES PRIOR TO COMMENCING CONSTRUCTION FOR DIG PERMITS, WATER AND WASTEWATER PERMITS, AND/OR OTHER PERMITS AS APPLICABLE. THE CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES ON EXACT LOCATION OF UNDERGROUND AND/OR ABOVE GROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION OR EXCAVATION.

3. THE LOCATION OF EXISTING UTILITIES AND DRAINAGE SYSTEM SHOWN ON THE PLANS HAVE BEEN DERIVED FROM THE BEST INFORMATION AVAILABLE AT TIME OF DESIGNING AND ARE SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR. OWNER AND ENGINEER ASSUME NO RESPONSIBILITY FOR EXISTING UTILITIES AND DRAINAGE SYSTEM INACCURACY SHOWN ON THE PLANS. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ARRANGEMENTS FOR FIELD LOCATIONS AND FOR ANY EXISTING UTILITIES RELOCATIONS WITH THE UTILITY OWNERS. IF THE EXISTING UTILITIES RELOCATIONS CAUSED THE CONTRACTOR ANY DELAY OR INCONVENIENCE, IT IS CONSISTED INCIDENTAL TO THE CONTRACT AND NO EXTRA EXPENSE WILL BE ALLOWED.

4. ALL DEBRIS AND DISCARDED MATERIALS FROM CONSTRUCTION ACTIVITIES SHALL BE DISPOSED OFF-SITE IN A LEGAL MANNER AT AN APPROVED DISPOSAL FACILITY. THE CONTRACTOR SHALL OBTAIN ANY AND ALL PERMITS REQUIRED FOR DEMOLITION, CONSTRUCTION WORK AND HAULING WASTE MATERIAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COST AND PERMIT FEES ASSOCIATED WITH DEMOLITION, CONSTRUCTION WORK AND HAULING WASTE MATERIAL.

5. THE CONTRACTOR SHOULD VERIFY AND MARK WITH LOCAL NATURAL GAS COMPANY FOR LOCATION AND DEPTH OF ALL GAS MAINS WITHIN CONSTRUCTION LIMITS AND ANY EXCAVATION AREA.

6. ANY ENCOUNTERED CONTAMINATED / HAZARDOUS MATERIALS SHALL BE DISPOSED OF IN A MANNER APPROVED BY THE ENGINEER IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. ALL CONTAMINATED/HAZARDOUS MATERIALS SHALL BE COORDINATED WITH ENVIRONMENTAL ENGINEER FOR TESTING, IDENTIFICATION, EXCAVATION, AND DISPOSING OFFSITE IN ACCORDANCE WITH EPA, FDPE, AND LOCAL JURISDICTION REGULATIONS.

7. PRIOR TO DEMOLISHING UTILITY LINES, CONTRACTOR SHALL VERIFY FLOW FROM EXISTING BUILDINGS WHICH ARE TO REMAIN. IF DEMOLITION WILL CUT OFF THESE FACILITIES, THE OWNER, ARCHITECT AND/OR ENGINEER SHALL BE CONTACTED IMMEDIATELY.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO ALL AREAS (SUCH AS ASPHALT, BUILDING STRUCTURES, UTILITY LINES, STORM SYSTEM, AND ETC.) DURING THE DEMOLITION AND CONSTRUCTION OF THIS PROJECT AND SHALL RESTORE THE DAMAGED FACILITY TO PRE-DAMAGED CONDITION.

48 HOURS BEFORE DIGGING
CALL
TOLL FREE
1-800-432-4770
SUNSHINE STATE ONE CALL CENTER

EROSION CONTROL NOTES

1. ALL EROSION CONTROL MEASURES SHOWN HEREON ARE THE MINIMUM STANDARDS. ANY EROSION CONTROL REQUIRED BEYOND THAT SPECIFIED SHALL BE CONSIDERED AS PART OF THIS CONTRACT.

2. ALL EROSION CONTROL WORKS SHALL CONFORM TO THE LOCAL WATER MANAGEMENT DISTRICT, FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT), AND FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) STANDARDS.

3. PRIOR TO EARTH WORK OR START OF CONSTRUCTION, CONTRACTOR SHALL ERECT/PLACE EROSION AND SEDIMENT CONTROL MEASURES AS A DEFENSE IN TRANSPORTING SILT OFF SITE.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING AND SUBMITTING FDEP NOTICE OF INTENT (NOI) APPLICATION AND FEE AT LEAST 48-HOURS PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL ALSO PREPARE A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH THE EPA/FDEP NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) AND SHALL RETAIN THE SWPPP ONSITE WITH LOGS OF EROSION AND SEDIMENT CONTROLS INSPECTIONS. NOI'S APPLICATION AND FEE MUST BE SENT TO THE FOLLOWING ADDRESS:
   NPDES STORM WATER NOTICES CENTER, MS#2510
   FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
   2600 BLAIR STONE ROAD
   TALLAHASSEE, FLORIDA 32399-2400

5. THE CONTRACTOR SHALL ENSURE EROSION AND SEDIMENT CONTROL MEASURES REMAIN IN PLACE AND BE MAINTAINED IN GOOD CONDITION AT ALL LOCATIONS SHOWN UNTIL CONSTRUCTION IS COMPLETED, SOILS ARE STABILIZED AND VEGETATION IS ESTABLISHED.

6. THE CONTRACTOR SHALL MAKE DAILY INSPECTIONS TO DETERMINE THE EFFECTIVENESS OF EROSION AND SEDIMENT CONTROL MEASURES. ANY NECESSARY REMEDIES SHALL BE PERFORM WITHOUT DELAY AND RECORD THE INSPECTION AND REMEDIES IN THE SWPPP LOG.

7. THE CONTRACTOR SHALL PROVIDE HAY BALES, SILT FENCES, TURBIDITY BARRIERS, TEMPORARY GRASSING, ETC. AS PART OF THE EROSION AND SEDIMENT CONTROL MEASURES (SEE LIST BELOW).
   A. INLET PROTECTION: INLETS AND CATCH BASINS SHALL BE PROTECTED FROM SEDIMENT (SILT) WITHIN STORMWATER RUNOFF UNTIL THE COMPLETION OF ALL CONSTRUCTION OPERATIONS.
   B. STOCKPILING MATERIAL: NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE OR INTO ANY ADJACENT WATER BODY, WETLAND OR STORM SEWER SYSTEM.
   C. CLEARING EXPOSED AREA: THE RAW ERODABLE SOIL EXPOSED BY CLEARING AND GRUBBING OPERATIONS OR EXCAVATION AND FILL OPERATIONS SHALL BE CONTROLLED TO LIMIT OFFSITE DEPOSIT OF SEDIMENT.
   D. TEMPORARY SEEDING: AREAS WITH RAW ERODABLE SOIL THAT ARE NOT ANTICIPATED TO RECEIVE FINAL GRASSING OR PAVEMENT OR FOUNDATION WITHIN 30 DAYS SHALL BE SEEDED WITH A QUICK GROWING GRASS SPECIES. THE RATE OF SEEDING SHALL BE 30 POUNDS PER ACRE. TEMPORARY SEEDING SHALL BE CONTROLLED SO AS TO NOT ALTER OR COMPETE WITH PERMANENT GRASS.
   E. TEMPORARY SEEDING AND MULCHING: SLOPES STEEPER THAN 6:1 THAT FALL WITHIN THE CATEGORY ESTABLISHED IN "D" ABOVE, SHALL ADDITIONALLY RECEIVE APPROXIMATELY TWO (2) INCHES OF MULCH, LOOSE MEASURE, OF MULCH MATERIAL CUT INTO THE SOIL OF THE SEEDED AREA TO A DEPTH OF FOUR (4) INCHES. THE SEEDED OR SEEDED AND MULCHED AREA(S) SHALL BE ROLLED AND WATERED AS REQUIRED TO ASSURE OPTIMUM GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER. IF AFTER 14 DAYS, THE TEMPORARY GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75% GOOD GRASS COVER, THE AREA WILL BE REWORKED AND ADDITIONAL SEEDS SHALL BE APPLIED TO ESTABLISH GREATER THAN 75% GRASS COVER.

8. THIS PROJECT MAY REQUIRE DEWATERING FOR SITE WORKS AND THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL DEWATERING PERMITS FROM WATER MANAGEMENT DISTRICT AND LOCAL JURISDICTIONAL AGENCIES.

9. PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL OBTAIN AND KEEP ON SITE ALL PERMITS (I.E. FDEP NOI, WATER MANAGEMENT DISTRICT PERMIT, CITY AND/OR COUNTY PERMITS, AND ETC.)

GRADING AND DRAINAGE NOTES

1. ALL SOIL STRIPPINGS, DELETERIOUS AND UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED LEGALLY BY THE CONTRACTOR UNLESS OTHERWISE DIRECTED BY THE OWNER OR SPECIFIED ELSEWHERE IN THE PLANS FOR SELECTED DISPOSAL. IN NO CASE WILL BURIAL OF DISPOSABLE MATERIALS BE ALLOWED WITHIN HE PAVEMENT AREAS, BUILDING PAD AREAS, POND OR SWALE BERMS OR EMBANKMENTS, OR IN REAR YARDS ADJACENT TO PONDS OR LAKES.

2. THE OWNER SHALL PROVIDE A GEOTECHNICAL ENGINEER TO MAKE DETERMINATIONS ON THE SUITABLE OF MATERIAL ACQUIRED FROM EXCAVATIONS OR BORROW OPERATIONS AND TO DETERMINE FILL SUITABILITY AND CONTROL FOR EMBANKMENT OPERATIONS OR THE STOCKPILING OF SURPLUS SOIL. THE CONTRACTOR SHALL COOPERATE WITH THE GEOTECHNICAL ENGINEER AS REQUIRED TO DO THE WORK.

3. THE CONTRACTOR IS REQUIRED TO REVIEW THE PROJECT PLANS AND CONSULT WITH THE GEOTECHNICAL ENGINEER WHO THE OWNER HAS RECOMMENDED, IN MANAGING THE EXCAVATION, STAGING, PLACEMENT AND COMPACTION OF SOILS MATERIALS.

4. ALL SOIL TYPE IDENTIFICATION ON CIVIL PLANS HAVE BEEN PROVIDED BY GEOTECHNICAL ENGINEER AND/OR NATURAL RESOURCES CONSERVATION SERVICE (NRCS) PREVIOUSLY KNOWN AS SOIL CONSERVATION SERVICE (SCS).

5. ALL GRADING AND SITE PREPARATION SHALL CONFORM TO SPECIFICATION AND LOCAL RULES AND REGULATIONS.

6. ALL OFF-SITE DISTURBED AREAS SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION OR BETTER.

7. PRIOR TO THE PLACEMENT OF SELECT FILL, THE AREA TO BE FILLED WILL BE PROOF ROLLED UNDER THE SUPERVISION OF THE GEOTECHNICAL ENGINEER UNLESS OTHERWISE DIRECTED BY THE GEOTECHNICAL ENGINEER. ANY AREA SHOWING SIGNS OF PUMPING, WEAVING OR OTHER FORMS OF INSTABILITY SHALL BE SELECTIVELY REMOVED AND REPLACED WITH COMPACTED SELECT FILL.

8. THE CONTRACTOR SHALL INSURE THAT PROPER SOIL DENSITIES ARE ACHIEVED AS SPECIFIED IN THE SPECIFICATION AND RECOMMENDED AND TESTED BY GEOTECHNICAL ENGINEER FOR THE SUPPORT REQUIRED FOR ANY STRUCTURE EITHER PHYSICAL OR EARTHEN (I.E. PAVEMENT, DRAINAGE STRUCTURES, DRAINAGE PIPES, BUILDING PADS, AND ETC.) DESCRIBED IN THE PLANS. THE CONTRACTOR SHALL INSURE SUFFICIENT SOILS TESTING HAS BEEN PERFORMED BY GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION.

9. POND AND BERM EMBANKMENTS SHALL BE CONSTRUCTED OF SUITABLE MATERIAL IN LIFTS NOT MORE THAN 12-INCHES PER LIFT. POND AND BERM COMPACTION SHALL BE AS SPECIFIED BY THE GEOTECHNICAL ENGINEER, BUT IN NO CASE LESS THAN A MINIMUM EQUIVALENT OF 95 PERCENT OF THE SOIL'S MODIFIED PROCTOR DENSITY TEST (ASTM D-1557).

10. ALL FILL EMBANKMENT AND GRADED AREAS SHALL BE PROTECTED AGAINST EROSION BY METHODS STATED IN FDOT STANDARD SPECIFICATIONS FOR BRIDGE AND ROAD CONSTRUCTION, "SECTION 104". SIDE SLOPES MAY BE SEEDED, SODDED AND MULCHED PROVIDED THAT THE MULCH MATERIAL IS DISC HARROWED AND THE GRADED AREA AND SIDE SLOPES ARE NOT GREATER THAN 3:1.

11. ALL POND AND OPEN DRAINAGE SYSTEM (I.E. SWALES AND DITCHES) SIDE SLOPES AND DRY BOTTOMS ARE TO BE SODDED UP TO THE TOP OF BANK ELEVATIONS.

12. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL NEWLY PLANTED GRASS, PLANT AREA, AND RETENTION/DETENTION FACILITIES UNTIL THE WORK HAS BEEN ACCEPTED BY THE OWNER.

13. THE CONTRACTOR SHALL PROVIDE DEWATERING IF REQUIRED FOR THE PROJECT AND SHALL APPLY AND OBTAIN THE NECESSARY PERMITS FOR DEWATERING FROM LOCAL, STATE AND/OR FEDERAL AGENCIES.

14. ALL EXPOSED EARTH ADJACENT TO STORM DRAINAGE STRUCTURES (I.E. DITCH BOTTOM INLETS, MANHOLES, MITERED-END SECTIONS, HEADWALLS, OUTFALL STRUCTURES, AND ETC.) SHALL BE SODDED.

15. MITERED-END SECTIONS AND U-TYPE HEADWALLS ARE LOCATED WITH COORDINATES AT THE CENTER OF THE OUTFALL STRUCTURE.

16. ALL PAVEMENT AND CURB RETURNS RADII DIMENSIONS SHOWN ARE TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.

17. ALL STORM SEWER PIPE WILL CONSISTED OF REINFORCED CONCRETE PIPE (RCP) CLASS III, EXCEPT WHERE NOTED ON THE PLANS OR REQUIRED BY GOVERNMENTAL JURISDICTION.

18. ALL CONCRETE PIPE JOINTS SHALL BE WRAPPED WITH 4-FT OF FILTER FABRIC CENTERED BETWEEN PIPE JOINTS.

19. ALL PAVEMENT AND CONCRETE AREAS SHALL HAVE A MINIMUM OF 0.5% LONGITUDINAL OR LATERAL SLOPE.

20. ALL BENCHMARK LOCATION AND ELEVATION WERE PROVIDED BY SURVEYOR AND LAM CIVIL ENGINEERING, INC. HAS USED THE BENCHMARK INFORMATION PROVIDED IN PREPARING THE PLANS. LAM CIVIL ENGINEERING, INC. ASSUMES NO RESPONSIBILITY FOR THE CORRECTNESS, COMPLETENESS OR ACCURACY OF THE SURVEY INFORMATION. THE CONTRACTOR SHALL VERIFY THE SURVEY PRIOR TO START OF CONSTRUCTION.

21. A SUBSURFACE EXPLORATION AND GEOTECHNICAL EVALUATION HAS NOT BEEN PREPARED FOR THIS PROJECT. THE CONTRACTOR IS ADVISED TO PERFORM INDEPENDENT GEOTECHNICAL EVALUATIONS REGARDING THE CONDITIONS WHICH MAY BE ENCOUNTERED DURING CONSTRUCTION.

UTILITY SEPARATION

OTHER PIPE	HORIZONTAL SEPARATION	CROSSING (1)	JOINT SPACING @ CROSSINGS (FULL JOINT CENTERED)
STORM SEWER, STORMWATER FORCE MAIN, RECLAIMED WATER (2)	WATER MAIN; 3 FEET MINIMUM	WATER MAIN; 12 INCHES IS THE MINIMUM, EXCEPT FOR STORM SEWER, THEN 6 INCHES IS THE MINIMUM AND 12 INCHES IS PREFERRED	ALTERNATE 3 FEET MINIMUM; WATER MAIN
VACUUM SANITARY SEWER	WATER MAIN; 10 FEET PREFERRED 3 FEET MINIMUM	WATER MAIN; 12 INCHES PREFERRED 6 INCHES MINIMUM	ALTERNATE 3 FEET MINIMUM; WATER MAIN
GRAVITY OR PRESSURE SANITARY SEWER SANITARY SEWER FORCE MAIN, RECLAIMED WATER (4)	WATER MAIN; 10 FEET PREFERRED 6 FEET MINIMUM (3)	WATER MAIN; 12 INCHES IS THE MINIMUM, EXCEPT FOR GRAVITY SEWER, THEN 6 INCHES IS THE MINIMUM AND 12 INCHES IS PREFERRED	ALTERNATE 6 FEET MINIMUM; WATER MAIN
ON-SITE SEWAGE TREATMENT & DISPOSAL SYSTEM	10 FT. MINIMUM	- - -	- - -

(1) WATER MAIN SHOULD CROSS ABOVE OTHER PIPE. WHEN WATER MAIN MUST BE BELOW OTHER PIPE, THE MINIMUM SEPARATION IS 12 INCHES.
(2) RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
(3) 3 FT FOR GRAVITY SANITARY SEWER WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6 INCHES ABOVE THE TOP OF THE GRAVITY SANITARY SEWER.
(4) RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

** THIS SEPARATION TABLE IS PROVIDED FOR YOUR CONVENIENCE ONLY. REFER TO F.A.C. RULE 62-555.314 FOR ADDITIONAL CONSTRUCTION REQUIREMENTS.

UTILITY NOTES

1. ALL UTILITY PIPES SHALL HAVE A MINIMUM THIRTY SIX (36) INCHES OF COVER FROM CROWN OF PIPES.

2. ALL PVC WATER DISTRIBUTION SYSTEM SHALL BEAR NATIONAL SANITATION FOUNDATION (NSF) LOGO FOR POTABLE WATER USE. ALL PVC PIPE SHALL BE MANUFACTURED IN ACCORDANCE WITH AWWA C900 STANDARD (LATEST EDITION). PVC PIPE WITH NOMINAL DIAMETER FOUR (4) INCHES TO TWELVE (12) INCHES SHALL HAVE A MINIMUM WORKING PRESSURE RATING OF 150 PSI AND SHALL HAVE A DIMENSION RATION (DR) OF 18.

3. ALL DUCTILE IRON PIPE (DIP) WATER DISTRIBUTION SYSTEM WITH NOMINAL DIAMETER FOUR (4) INCHES THROUGH TWENTY FOUR (24) INCHES SHALL CONFORM TO ANSI/AWWA C151/A21.51 AND SHALL HAVE A MINIMUM WORKING PRESSURE RATING OF 350 PSI WITH STANDARD CEMENT MORTAR LINING IN ACCORDANCE WITH ANSI/AWWA C104/A21.4.

4. THE CONTRACTOR SHALL TAKE ADEQUATE MEASURES TO INSURE THE PROTECTION OF EXISTING WATER MAINS FROM BACKFLOW CONTAMINATION DURING BACK FILLING, FLUSHING, TESTING, AND MAINTAINING A CONSTANT PRESSURE IN THE PIPING SYSTEM UNTIL A LETTER OF CLEARANCE IS OBTAINED FROM FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) AND UTILITY SERVICE PROVIDER.

5. AN APPROVED REDUCED PRESSURE BACKFLOW PREVENTION (RPZ) DEVICE IS REQUIRED FOR THE POTABLE WATER MAIN SYSTEM TO BE CONNECTED AT THE POINT OF SERVICE (POS) FROM THE UTILITY SERVICE PROVIDER. APPROVED DOUBLE CHECK VALVE ASSEMBLIES ARE REQUIRED FOR ALL IRRIGATION AND FIRE PROTECTION SYSTEMS TO BE CONNECTED AT THE POS FROM THE UTILITY SERVICE PROVIDER. THE CONTRACTOR IS RESPONSIBLE FOR TESTING THE DEVICES BY A CERTIFIED BACKFLOW TESTER AND FORWARD THE RESULTS TO THE UTILITY SERVICE PROVIDER.

6. ALL WATER MAIN CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE UTILITY SERVICE PROVIDER SPECIFICATIONS AND STANDARDS UNLESS SPECIFICALLY STATED ON THE PLANS.

7. THE CONTRACTOR SHALL PROTECT THE EXISTING ACTIVE MAIN FROM BACKFLOW CONTAMINATION DURING FILLING, FLUSHING, TESTING AND MAINTAIN A PRESSURE IN THE NEW MAINS DURING CONSTRUCTION. ALL PROTECTION METHODS SHALL CONFORM TO THE LOCAL UTILITY PROVIDER, FDEP, AND AWWA STANDARD SPECIFICATIONS.

8. IN THE EVENT THAT THE POTABLE WATER SYSTEM IS CONTAMINATED DUE TO CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL BE RESPONSIBLE, UNDER THE DIRECTION OF THE OWNER, OR STATE AND LOCAL REGULATORY AGENCY FOR CORRECTING ANY SUCH CONTAMINATION INCLUDING DISINFECTION, TESTING, AND OTHER CORRECTIVE ACTION, AT CONTRACTOR'S EXPENSE.

9. DISINFECTION OF THE WATER DISTRIBUTION SYSTEM SHALL BE PERFORMED IN ACCORDANCE WITH LOCAL STANDARDS AND AWWA C651 SPECIFICATIONS. ALL REPAIRS OR TESTING OR RETESTING SHALL BE DONE AT CONTRACTOR'S EXPENSE.

10. AFTER DISINFECTION, BACTERIOLOGICAL TESTING (BT) SHALL BE PERFORMED AT LESS TWO (2) CONSECUTIVE DAYS IN ACCORDANCE WITH AND APPROVED BY LOCAL UTILITY PROVIDER AND FDEP. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SUBMIT FOUR (4) SETS OF AS-BUILT WATER AND SEWER DRAWINGS AND THE BT RESULTS TO THE ENGINEER. AS-BUILT WATER AND SEWER DRAWINGS SHALL BE PREPARED, SIGNED AND SEALED BY A FLORIDA REGISTERED SURVEYOR.

11. THE ON-SITE WATER AND WASTEWATER SYSTEMS SHALL BE PRIVATELY OWNED AND MAINTAINED. LOCAL UTILITY PROVIDER WILL INSPECT THESE FACILITIES AS THEY ARE INSTALLED AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSTALL ALL UTILITY LINES TO LOCAL UTILITY PROVIDERS STANDARDS AND TO COORDINATE WITH THE LOCAL UTILITY PROVIDERS FOR PRE-CONSTRUCTION MEETINGS, INSPECTION, SHOP DRAWING APPROVALS, AND CLEARANCE.

12. FIRE PROTECTION SYSTEM SHALL BE CONSTRUCTED BY A LICENSED FIRE SYSTEM CONTRACTOR IN THE STATE OF FLORIDA, IN ACCORDANCE WITH NFPA 24 REGULATING THE CONSTRUCTION AND TESTING FIRE PROTECTION SYSTEMS.

13. FIRE HYDRANT COLOR CODING SHALL BE PAINTED IN ACCORDANCE WITH NFPA 291. THE HYDRANT COLOR CODING IS LISTED BELOW. FIRE FLOW AND COLOR CODE WILL BE BASED ON ACTUAL FLOW TEST PERFORMED BY THE FIRE INSPECTOR.
   A. THE BARREL OF THE HYDRANT SHALL BE PAINTED CHROME OR YELLOW; AND
   B. THE BONNET AND NOZZLES OF THE HYDRANT SHALL BE PAINTED AS FOLLOWS:
      -LIGHT BLUE FOR HYDRANTS FLOWING 1,500 GPM OR GREATER
      -GREEN FOR HYDRANTS FLOWING 1,499 TO 1,000 GPM
      -ORANGE FOR HYDRANTS FLOWING 999 TO 500 GPM
      -RED FOR HYDRANTS FLOWING 499 GPM OR LESS.

11. ALL WATER MAIN PIPE, FITTINGS, VALVE, AND FIRE HYDRANTS SHALL CONFORM WITH APPLICABLE AWWA STANDARDS AND CHAPTER 62-555 F.A.C. ALL NEW AND RELOCATED WATER MAIN MATERIALS AND APPURTENANCES SHALL COMPLY WITH FDEP RULE 62-555.322 F.A.C. REGARDING LEAD USE.

12. NO WATER MAIN SHALL BE CONSTRUCTED OR ALTERED TO PASS THROUGH OR COME INTO CONTACT WITH ANY PART OF SANITARY SEWER MANHOLE OR SANITARY PIPE AND STORM SEWER MANHOLE OR STORM SEWER INLET OR PIPE.

13. HYDROSTATIC TESTS WILL BE PERFORMED ON THE WATER DISTRIBUTION SYSTEM IN ACCORDANCE WITH ANSI/AWWA C600-93 SECTION 4 AND/OR LOCAL UTILITY PROVIDER.

14. LEAKAGE TESTING FOR GRAVITY SEWER PIPES SHALL BE CONDUCTED IN ACCORDANCE WITH "RECOMMENDED PRACTICE FOR LOW PRESSURE AIR TESTING FOR INSTALLED SEWER PIPE" AS ESTABLISHED BY THE UNI-BELL PVC PIPE ASSOCIATION.

UTILITY PIPE SCHEDULE

SERVICE	MATERIAL	CLASS	TEST PRESSURE
(WM) WATER MAIN DIA. = 4"-12"	PVC	PC150 DR18 AWWA C900	150 PSI
	DIP	C350 OR C151/A21.51	150 PSI
(WM) WATER MAIN DIA. = 16" & 20"	PVC	PR235 DR18 AWWA C905	150 PSI
	DIP	C250	150 PSI
(RWM) RECLAIMED WATER MAIN = 4"-12"	PVC	PC150 DR18 AWWA C900	150 PSI
	DIP	C350	150 PSI
(RWM) RECLAIMED WATER MAIN = 16" & 20"	PVC	PR235 DR18 AWWA C905	150 PSI
	DIP	C250	150 PSI
(FM) WASTEWATER FORCEMAIN DIA. ≤ 12"	PVC	PC100 DR25 AWWA C900	100 PSI
	DIP	C350	100 PSI
(FM) WASTEWATER FORCEMAIN DIA. = 16" & 20"	PVC	PR165 DR25 AWWA C905	100 PSI
	DIP	C250	100 PSI
(SS) SANITARY SEWER DIA. ≤ 12"	PVC	SDR 35 (ASTM D3034)	N/A

AS-BUILT NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE PROJECT ENGINEER UPON COMPLETION OF THE PROJECT. AS-BUILT DRAWINGS SHALL DEPICT ANY CHANGES DURING CONSTRUCTION TO THE DESIGN DOCUMENTS EITHER DRAWINGS OR SPECIFICATIONS. BOTH THE DESIGN DOCUMENTS AND AS-BUILT SHALL BE CLEARLY SHOWN ON ONE SET OF PLAN AND MUST BE LABELED AS "AS-BUILT" OR "RECORD" DRAWING. AS-BUILT DRAWINGS SHALL BE PREPARED AND CERTIFIED BY A REGISTERED SURVEYOR. AT A MINIMUM, THE FOLLOWING INFORMATION SHALL BE CERTIFIED ON THE AS-BUILT DRAWINGS.

WATER DISTRIBUTION SYSTEM

A. LOCATION AND DIMENSIONS OF PIPES, VALVES, FITTINGS, FDC, METER, FIRE HYDRANT, AND ANY OTHER ASSOCIATED PRODUCTS.
B. VERTICAL SEPARATION AT CROSSINGS WITH RESPECT TO WATER MAINS AND OTHER UTILITIES (E.G. SANITARY, NATURAL GAS, STORM, ETC.)

WASTEWATER COLLECTION / TRANSMISSION SYSTEM

A. LOCATION, SIZE, INVERT ELEVATIONS OF PIPES AND MANHOLES (INCLUDING RIM AND BOTTOM ELEVATIONS) AND ANY OTHER ASSOCIATED PRODUCTS.
B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING CLOSED CIRCUIT TV (CCTV) LOG AND VIDEO OF THE SANITARY SYSTEM PIPES AND MANHOLES. CCTV LOG AND VIDEO SHALL HAVE AUDIO DESCRIPTION OF PIPE SIZE AND CONDITIONS, CONTINUOUS RUN, AND INSPECTION OF ALL JOINTS BETWEEN PIPES AND STRUCTURES. THE CONTRACTOR SHALL FORWARD TWO (2) COPIES OF THE CCTV LOGS AND VIDEOS TO THE PROJECT ENGINEER PRIOR TO SANITARY SYSTEM CLEARANCE BY THE SERVICE PROVIDER.

PAVING AND DRAINAGE SYSTEM

A. LOCATIONS, DIMENSIONS, AND INVERT ELEVATIONS OF ALL INFILTRATION, EXFILTRATION, OR UNDERDRAIN SYSTEMS INCLUDING CLEANOUTS, PIPES, CONNECTIONS TO CONTROL STRUCTURES, AND POINTS OF DISCHARGE TO THE RECEIVING WATERS.
B. LOCATIONS, DIMENSIONS, AND INVERT ELEVATIONS OF ALL DRAINAGE PIPES, DRAINAGE STRUCTURES (INCLUDING RIM AND BOTTOM ELEVATIONS), ALL DISCHARGE STRUCTURES (INCLUDING ALL WEIRS, SLOTS, GATES, PIPES, AND SKIMMERS).
C. DIMENSIONS, ELEVATIONS, CONTOURS, AND/OR CROSS-SECTIONS OF ALL STORMWATER PONDS, DITCHES, AND SWALES SUFFICIENT TO DETERMINE STAGE-STORAGE RELATIONSHIPS FOR STORAGE VOLUME, DEPTH AND STORAGE VOLUME FOR WET RETENTION/DETENTION PONDS.
D. DIMENSIONS, ELEVATIONS, CONTOURS, FINAL GRADES, FLOW DIRECTION AND/OR CROSS-SECTIONS OF ALL CONVEYANCE SYSTEMS ONSITE AND ANY OFF-SITE CONVEYANCE SYSTEMS IMPROVEMENTS.
E. LOCATIONS AND ELEVATIONS OF SURFACE WATER (E.G. WET RETENTION/DETENTION PONDS, TAIL WATER, AND ETC.) AND DATE MEASURED.
F. ELEVATION AND LOCATION OF BENCHMARK(S) AND BENCHMARK(S) NUMBER FOR THE SURVEY.
B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING CLOSED CIRCUIT TV (CCTV) LOG AND VIDEO OF THE STORM SEWER SYSTEM PIPES, INLETS AND MANHOLES. CCTV LOG AND VIDEO SHALL HAVE AUDIO DESCRIPTION OF PIPE SIZE AND CONDITIONS, CONTINUOUS RUN, AND INSPECTION OF ALL JOINTS BETWEEN PIPES AND STORM STRUCTURES. THE CONTRACTOR SHALL FORWARD TWO (2) COPIES OF THE CCTV LOGS AND VIDEOS TO THE PROJECT ENGINEER PRIOR TO ACCEPTANCE/CLEAR OF STORM SEWER SYSTEM BY THE OWNER.

EMERGENCY WASTEWATER SPILL AND WATER MAIN BREAK PROCEDURES

1. EXCAVATE CAUTIOUSLY: THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN EXCAVATING IN PROXIMITY OF WASTEWATER FORCE MAINS AND GRAVITY SEWERS. FORCE MAIN AND SEWER LOCATIONS SHOWN ON PLANS ARE NOT EXACT OR GUARANTEED. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING UTILITY LOCATIONS.

2. TELEPHONE NOTIFICATION: CITY OF ORLANDO DISPATCH OPERATOR SHALL BE NOTIFIED IMMEDIATELY IN THE EVENT OF A FORCE MAIN, GRAVITY SEWER, REUSE MAIN OR WATER MAIN BREAK OR DAMAGE AT (407) 823-9150.

3. REPAIR IMMEDIATELY: ALL DAMAGE TO CITY OF ORLANDO MAINS AND LATERALS SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. IF THE REPAIR IS NOT MADE IN A TIMELY MANNER, AS DETERMINED BY THE CITY OF ORLANDO UTILITIES INSPECTOR, CITY OF ORLANDO MAY PERFORM REPAIRS AND THE CONTRACTOR WILL BE CHARGED FOR REPAIRS.

4. CITY OF ORLANDO UTILITIES DEPARTMENT GENERAL TELEPHONE NUMBERS:
   - CONSTRUCTION INSPECTION DEPARTMENT (407) 246-4444
   - WATER / UTILITIES DEPARTMENT (407) 423-9100
   - WASTE WATER MANAGEMENT DEPARTMENT (407) 246-2213
   - CITY OF ORLANDO PUBLIC WORKS DEPARTMENT (407) 246-2266

5. ADVANCE NOTIFICATION OF CONSTRUCTION: CITY OF ORLANDO CONSTRUCTION SECTION (407-246-4444) SHALL BE NOTIFIED AT LEAST SEVEN (7) DAYS PRIOR TO ANY CONSTRUCTION ACTIVITY.

6. ADVANCE NOTIFICATION OF PENDING CONNECTION: CITY OF ORLANDO WATER DIVISION (407-423-9100). SHALL BE NOTIFIED AT LEAST SEVEN (7) DAYS IN ADVANCE TO SCHEDULE MAIN TIE-INS AND VALVE OPERATIONS.

7. OPERATION OF CITY OF ORLANDO VALVES: WATER, WASTEWATER, AND REUSE VALVES ARE TO BE OPERATED ONLY BY CITY OF ORLANDO UTILITIES INSPECTOR (407-246-4444). ALL VALVES BEING INSTALLED ARE TO REMAIN CLOSED DURING CONSTRUCTION.

REVISIONS

No.	DATE	DESCRIPTION	APP'D BY
1	03-31-09	CITY OF ORLANDO COMM.	QTL
2	05-11-09	ADD OUC NOTES	QTL
3	08-04-09	CITY OF ORLANDO COMM. (BLD2009-03635)	QTL
4	09-18-09	CITY OF ORLANDO BLD2009-00444 COMM.	QTL
5	10-02-09	FDOT UTILITY PERMIT	QTL

FIRST HAITIAN FREE CHURCH OF NAZARENE BY FAITH RENOVATION

GENERAL NOTES

LAM
Civil Engineering, Inc.
2504 E. JACKSON STREET
ORLANDO, FL 32803

OFFICE: 407-228-9540
FAX: 407-228-9541

CERTIFICATE OF
AUTHORIZATION No. 27340

THIS DOCUMENT AND ANY DESIGN DOCUMENTS RELATED TO THIS PROJECT IS THE PROPERTY OF LAM CIVIL ENGINEERING, INC. AND IS COPYRIGHTED. THIS DOCUMENT IS INTENDED TO BE USED BY THIS PROJECT, ANY REPRODUCTION, DISTRIBUTION, OR USE OF THIS DOCUMENT IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF LAM CIVIL ENGINEERING, INC.

NOT FOR CONSTRUCTION
UNLESS SIGNED AND SEALED

QUANG T. LAM, P.E.
FL REGISTRATION No. 62550

DATE

PROJECT No.	2008.999.07
DATE:	11-05-09
DRAWN BY:	LCE
APPROVED BY:	QTL
SHEET	C0