RAL **NOTES**

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. 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. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO ENGINEER AND REGULATORY AGENCIES APPROVAL PRIOR TO PROCUREMENT OF MATERIALS. THE CONTRACTOR SHALL SUBMIT COPIES OF ALL TESTING REPORTS TO THE OWNER AND ENGINEER FOR COORDINATION AND REVIEW. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL INSPECTION CRITERIA INSPECTION SCHEDULES AND SIGNING REQUIRED INSPECTIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SATISFYING ALL REQUIREMENTS OF REGULATORY AGENCY PERMITS CONDITIONS REGARDING CONSTRUCTION AND MAINTENANCE ACTIVITIES AND CONDITIONS STATED THEREIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL REQUIRED PERMITS HAVE BEEN OBTAINED AND IN—HAND PRIOR TO COMMENCING WORK. 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. 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). THE CONTRACTOR SHALL LOCATE AND VERIFY THE DEPTHS AND LOCATIONS OF ALL EXISTING UTILITIES FOR THE PROJECT, PRIOR TO ORDERING ANY STRUCTURES LL MANHOLES, INLETS, AND JUNCTION BOX STRUCTURES SHALL BE PRE-CAST ND IN ACCORDANCE WITH ASTM C-478 UNLESS SPECIFIED ELSEWHERE (I.E. LANS AND SPECIFICATIONS). LL HANDICAP ACCESSIBLE CURB RAMPS SHALL BE CONSTRUCTED WITH ONCRETE IN COMPLIANCE WITH THE FLORIDA ACCESSIBILITY CODE FOR BUILDING ONSTRUCTION, FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT), AND ADA TANDARDS FOR ACCESSIBLE DESIGN (28 CFR PART 36) LATEST EDITION. ALL ANDICAP ACCESSIBLE CURB RAMPS SHALL HAVE CURB RAMP DETECTABLE VARNINGS AS OUTLINED IN FDOT DESIGN STANDARDS INDEX #304 (PUBLIC IDEWALK CURB RAMPS). CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING ALL STING UTILITIES PRIOR TO CONSTRUCTION, AND FOR NOTIFYING THE VARIOUS LITY COMPANIES TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY OCATION, DISRUPTION OF SERVICE, OR CLARIFICATION WITH THE UTILITY MPANIES. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING AN ERGROUND UTILITY, WHETHER SHOWN ON THESE PLANS OR FIELD LOCATED. VATE UTILITIES WHICH INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL RELOCATED BY THE RESPECTIVE UTILITY COMPANY AND THE CONTRACTOR COOPERATE WITH THE UTILITY COMPANY AND THE CONTRACTOR DELAY OR INCONVENIENCE BY THE VARIOUS UTILITY COMPANIES SHALL BE DENTAL TO THE CONTRACT. MATERIALS, INSTALLATION, AND TEST SHALL BE IN ACCORDANCE WITH LOCAL FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR D AND BRIDGE CONSTRUCTION. WHERE THE SPECIFICATIONS CONFLICTS, THE STRINGENT SPECIFICATION SHALL APPLY. E OPEN TO AND SUBJECT TO INSPECTION BY AUTHORIZED CITY AND/OR COUNTY, OWNER, INVOLVED UTILITY COMPANIES AND REGULATORY AGENCIES.

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

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

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.

DEMOLITION NOTES

THE LOCATION OF EXISTING UTILITIES AND DRAINAGE SYSTEM SHOWN PLANS HAVE BEEN DERIVED FROM THE BEST INFORMATION AVAILABLE DESIGNING AND ARE SHOWN FOR THE CONVENIENCE OF THE CONTRADENCE AND ENGINEER ASSUME NO RESPONSIBILITY FOR EXISTING UTILITY OWNER AND ENGINEER ASSUME NO THE PLANS. PRIOR TO ANY CONSTRUCTION ACTIVITY, IT SHALL BE THE CONTRACTOR'S RESPONSIBLE AND FOR ANY EXISTING RELOCATIONS WITH THE UTILITY OWNERS. IF THE EXISTING UTILITIES CAUSED THE CONTRACTOR ANY DELAY OR INCONVENIENCE, IT IS CONTRICIDENTAL TO THE CONTRACT AND NO EXTRA EXPENSE WILL BE ALL 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. 48 HOURS PRIOR TO COMMENCING OF C SUNSHINE (1-800-432-4770) FOR UTIL LIMITS AND ANY AREA TO BE EXCAVATE HOWN ON THE
LABLE AT TIME OF
NTRACTOR.
G UTILITIES AND
TO THE START OF
RESPONSIBILITY TO
STING UTILITIES
LITIES RELOCATIONS
S CONSISTED
E ALLOWED.

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. LL DEBRIS AND DISCARDED MATERIALS FROM CONSTRUCTION ACTIVITIES SHALL E DISPOSED OFF—SITE IN A LEGAL MANNER AT AN APPROVED DISPOSAL ACILITY. THE CONTRACTOR SHALL OBTAIN ANY AND ALL PERMITS REQUIRED FOR EMOLITION, CONSTRUCTION WORK AND HAULING WASTE MATERIAL. THE ONTRACTOR SHALL BE RESPONSIBLE FOR ALL COST AND PERMIT FEES SSOCIATED WITH DEMOLITION, CONSTRUCTION WORK AND HAULING WASTE ATERIAL.

THE LOCATION OF ALL EXISTING UTILITY SERVICES, FACILITES 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.

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.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO ALL AS ASPHALT, BUILDING STRUCTURES, UTILITY LINES, STORM SYSTE DURING THE DEMOLITION AND CONSTRUCTION OF THIS PROJECT A RESTORE THE DAMAGED FACILITY TO PRE-DAMAGED CONDITION. 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. RIOR TO DEMOLISHING UTILITY LINES, CONTRACTOR SHALL VERIFIXISTING BUILDINGS WHICH ARE TO REMAIN. IF DEMOLITION WILL ACILITIES, THE OWNER, ARCHITECT AND/OR ENGINEER SHALL BEWMEDIATELY. Y FLOW FROM CUT OFF THESE CONTACTED

48 HOURS BEFORE DIGGING

CALL

TOLL FREE

1-800-432-4770

SUNSHINE STATE ONE CALL CENTER 4770

EROSION CONTROL NOTES

UM STANDARDS. BE CONSIDERED

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING AND SUBINOTICE OF INTENT (NOI) APPLICATION AND FEE AT LEAST 48—HOURS START OF CONSTRUCTION. THE CONTRACTOR SHALL ALSO PREPARE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE EPA, FEDEP NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NI SHALL RETAIN THE SWPPP ONSITE WITH LOGS OF EROSION AND SEDII CONTROLS INSPECTIONS. NOI'S APPLICATION AND FEE MUST BE SEN FOLLOWING ADDRESS:

NPDES STORM WATER NOTICES CENTER, MS#2510
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION 2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32399—2400 PRIOR TO EARTH WORK OR START OF CONSTRUCTION, CONTRACT ERECT/PLACE EROSION AND SEDIMENT CONTROL MEASURES AS A TRANSPORTING SILT OFF SITE. ALL EROSION CONTROL MEASURES SHOWN HEREON ARE THE MINANY EROSION CONTROL REQUIRED BEYOND THAT SPECIFIED SHALAS PART OF THIS CONTRACT. ALL EROSION CONTROL WORKS SHALL CONFORM TO THE LOCAL W MANAGEMENT DISTRICT, FLORIDA DEPARTMENT OF TRANSPORTATION FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) ST SEDIMENT
SENT TO THE TOR SHALL A DEFENSE IN WATER ON (FDOT), AND TANDARDS. SUBMITTING FDEP URS PRIOR TO

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

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
ADDITIONALLY RECEIVE APPROXIMATIELY TWO (2) INCHES OF MULCH, LOOSE
MEASURE, OF MULCH MATERIAL CUT INTO THE SCILL 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 ESTABLISHENT 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

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

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

THE OWNER USED IN THESE NOTES SHALL

PERMIT, CITY

10 FEET PREFERRED 6 FEET MINIMUM (3) 10 FEET PREFERRED 3 FEET MINIMUM SEPARATION YTILITU SEP, ARATION 12 INCHES PREFERRED JOINT SPACING @ CROSSINGS (FULL JOINT CENTERED)

WATER MAIN SHOULD CROSS ABOVE VILLE.

INCHES.

RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62—610, F.A.C.

3 FT FOR GRAVITY SANITARY SEWER WHERE THE BOTTOM OF THE WATER MAIN IS GRAVITY SANITARY SEWER.

RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62—610, F.A.C. WHEN WATER MAIN MUST BE BELOW IS LAID AT LEAST

(FM)

WASTEWATER

DIA

16"

20"

SHEET

APPROVED BY:

DRAWN BY:

LCE

QTL

DATE:

PROJECT No.

2008 999 07

11-05-09

QUANG T. LAM, P REGISTRATION No.

62550

(R√

M) RECLAIMED

(WM) WATER MAIN DIA.

MATERIAL

SCHEDULE

(F

M) WASTEWATER

GRADING

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. IL STRIPPINGS, DELETERIOUS AND UNSUITABLE MATERIAL SHALL BE
ED FROM THE SITE AND DISPOSED LEGALLY BY THE CONTRACTOR UNLESS
ED FROM THE SITE AND DISPOSED LEGALLY BY THE CONTRACTOR UNLESS
EDIRECTED BY THE OWNER OR SPECIFIED ELSEWHERE IN THE PLANS
LIECTED DISPOSAL. IN NO CASE WILL BURIAL OF DISPOSABLE MATERIALS
OWED WITHIN HE PAVEMENT AREAS, BUILDING PAD AREAS, POND OR SWAI
OR EMBANKMENTS, OR IN REAR YARDS ADJACENT TO PONDS OR LAKES.

ALL OFF—SITE DISTURBED AREAS SHALL BE RESTORED TO PRE—CONSTRUCTION CONDITION OR BETTER. ALL GRADING AND SITE PREPARATION SHALL CONFORM TO SPECIFICATION AND LOCAL RULES AND REGULATIONS. LL SOIL TYPE IDENTIFICATION ON CIVIL PLANS HAVE BEEN PROVIDED BY EOTECHNICAL ENGINEER AND/OR NATURAL RESOURCES CONSERVATION SERVICE (SCS). IOR TO THE PLACEMENT OF SELECT FILL, THE AREA TO BE FILLED WILL BE OOF ROLLED UNDER THE SUPERVISION OF THE GEOTECHNICAL ENGINEER UNLESS HERWISE DIRECTED BY THE GEOTECHNICAL ENGINEER. ANY AREA SHOWING ONS OF PUMPING, WEAVING OR OTHER FORMS OF INSTABILITY SHALL BE LECTIVELY REMOVED AND REPLACED WITH COMPACTED SELECT FILL.

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.

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. 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. ALL FILL EMBANKMENT AND GRADED AREAS SHALL BE PROTECTED AGAINST EROSION BY METHODS STATED IN <u>FDOT STANDARD SPECIFICATIONS FOR BRIDGE</u> 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. OND AND BERM EMBANKMENTS SHALL BE CONSTRUCTED OF SUITABLE MATERIAL LIFTS NOT MORE THAN 12—INCHES PER LIFT. POND AND BERM COMPACTION HALL BE AS SPECIFIED BY THE GEOTECHNICAL ENGINEER, BUT IN NO CASE LESS HAN A MINIMUM EQUIVALENT OF 95 PERCENT OF THE SOIL'S MODIFIED PROCTOR ENSITY TEST (ASTM D-1557).

MITERED-END SECTIONS AND U-TYPE HEADWALLS ARE LOCATED WITH COORDINATES AT THE CENTER OF THE OUTFALL STRUCTURE. ALL PAVEMENT AND CURB RETURNS RADII DIMENSIONS SHOWN ARE TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. 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. ALL STORM SEWER PIPE WILL CONSISTED OF REINFORCED CONCRETE PIPE (RCP) CLASS III, EXCEPT WHERE NOTED ON THE PLANS OR REQUIRED BY GOVERNMENTAL JURISDICTION. 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.

ALL CONCRETE PIPE JOINTS SHALL BE WRAPPED WITH 4-FT OF FILTER FABRIC CENTERED BETWEEN PIPE JOINTS. ALL PAVEMENT AND CONCRETE AREAS SHALL HAVE A MINIMUM OF 0.5% LONGITUDINAL OR LATERAL SLOPE. ALL BENCHMARK LOCATION AND ELEVATION WERE PROVIDED BY SURVEYOR AND LAM CIVIL ENGINEERING, INC. HAS USED THE BENCHMARK INFORMATION PROVIDED N 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

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

AND DRAINAGE NOTES

UTILITY

NOTE

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

AN APPROVED REDUCED PRESSURE BACKFLOW PREVENTION (RPZ) DE REQUIRED FOR THE POTABLE WATER MAIN SYSTEM TO BE CONNECTIPOINT OF SERVICE (POS) FROM THE UTILITY SERVICE PROVIDER. AF DOUBLE CHECK VALVE ASSEMBLIES ARE REQUIRED FOR ALL IRRIGAT PROTECTION SYSTEMS TO BE CONNECTED AT THE POS FROM THE UPROVIDER. THE CONTRACTOR IS RESPONSIBLE FOR TESTING THE DECERTIFIED BACKFLOW TESTER AND FORWARD THE RESULTS TO THE SERVICE PROVIDER.

TO THE UTILITY

DEVICE IS
ED AT THE
PPROVED
TION AND FIRE
JTILITY SERVICE
EVICES BY A
UTILITY

ED DUE TO BLE, UNDER THE ENCY FOR FESTING, AND

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.

DIMENSIONS, ELEVATIONS, CONTOURS, FINAL GRADES, FLOW DIRECTION AND/OR CROSS-SECTIONS OF ALL CONVEYANCE SYSTEMS ONSITE AND ANYOFF-SITE CONVEYANCE SYSTEMS IMPROVEMENTS.

ORMED IN IONS. ALL OR'S EXPENSE.

ALL WATER MAIN CONSTRUCTION AND MATERIALS SHALL CONFORM SERVICE PROVIDER SPECIFICATIONS AND STANDARDS UNLESS SPECON THE PLANS.

IN THE EVENT THAT THE POTABLE WATER SYSTEM IS CONTAMINATED CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL BE RESPONSIBLE DIRECTION OF THE OWNER, OR STATE AND LOCAL REGULATORY AGE CORRECTING ANY SUCH CONTAMINATION INCLUDING DISINFECTION, TO OTHER CORRECTIVE ACTION, AT CONTRACTOR'S EXPENSE. DISINFECTION OF THE WATER DISTRIBUTION SYSTEM SHALL BE PERFACCORDANCE WITH LOCAL STANDARDS AND AWWA C651 SPECIFICAT REPAIRS OR TESTING OR RETESTING SHALL BE DONE AT CONTRACT HE CONTRACTOR SHALL PROTECT THE EXISTING ACTIVE MAIN FROM BACKFLOW ONTAMINATION DURING FILLING, FLUSHING, TESTING AND MAINTAIN A PRESSURE ITHE NEW MAINS DURING CONSTRUCTION, ALL PROTECTION METHODS SHALL ONFORM TO THE LOCAL UTILITY PROVIDER, FDEP, AND AWWA STANDARD PECIFICATIONS.

FIRE PROTECTION SYSTEM SHALL BE CONSTRUCTED BY A LICENSED CONTRACTOR IN THE STATE OF FLORIDA, IN ACCORDANCE WITH NFF REGULATING THE CONSTRUCTION AND TESTING FIRE PROTECTION SY 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.) FIRE SYSTEM PA 24 YSTEMS.

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. ALL NEW AND

PROCEDURES EMERGENCY WASTEWATER SPILL AND WATER MAIN BREAK

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. 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.

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-AIR IMMEDIATELY: ALL DAMAGE TO CITY OF ORLANDO MAINS AND LATERALS LL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR AT THE CONTRACTOR'S ENSE. IF THE REPAIR IS NOT MADE IN A TIMELY MANNER, AS DETERMINED THE CITY OF ORLANDO MAY ORDAY REPAIRS AND THE CONTRACTOR WILL BE CHARGED FOR REPAIRS.

Civil Engineering, Inc.

2504 E. JACKSON STREET ORLANDO, FL 32803

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

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. <u>DVANCE NOTIFICATION OF PENDING CONNECTION:</u> CITY OF ORLANDO WATER VISION (407–423–9100). SHALL BE NOTIFIED AT LEAST SEVEN (7) DAYS IN DVANCE TO SCHEDULE MAIN TIE-INS AND VALVE OPERATIONS. 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.

CERTIFICATE OF AUTHORIZATION No. 27340

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.

ELEVATION AND LOCATION OF BENCHMARK(S) AND BENCHMARK(S) NUMBE FOR THE SURVEY. LOCATIONS AND ELEVATIONS OF SURFACE WATER (E.G. WET RETENTION/DETENTION PONDS, TAIL WATER, AND ETC.) AND DATE MEASURED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING CLOSED CIRCUIT (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.

ATIONS, DIMENSIONS, AND INVERT ELEVATIONS OF ALL DRAINAGE PIPES, INAGE STRUCTURES (INCLUDING RIM AND BOTTOM ELEVATIONS), ALL CHARGE STRUCTURES (INCLUDING ALL WEIRS, SLOTS, GATES, PIPES, AND MMERS). FIRST HAITIAN FREE CHURCH OF **NAZARENE BY FAITH RENOVATION**

AS-BUILT NOTES

R SHALL BE RESPONSIBLE FOR PROVIDING AS—BUILT DRAWINGS I ENGINEER UPON COMPLETION OF THE PROJECT. AS—BUILT DEPICT ANY CHANGES DURING CONSTRUCTION TO THE DESIGN FOR DRAWINGS OR SPECIFICATIONS. BOTH THE DESIGN AS—BUILT SHALL BE CLEARLY SHOWN ON ONE SET OF PLAN ABELED AS "AS—BUILT" OR "RECORD" DRAWING. AS—BUILT BE PREPARED AND CERTIFIED BY A REGISTERED SURVEYOR. THE FOLLOWING INFORMATION SHALL BE CERTIFIED ON THE NGS.

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

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

LOCATION, SIZE, INVERT ELEVATIONS OF PIPES AND MANHOLES (INCLUDIN AND BOTTOM ELEVATIONS) AND ANY OTHER ASSOCIATED PRODUCTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING CLOSED CIRCUTV (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.

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.

DUCTILE IRON PIPE (DIP) WATER DISTRIBUTION SYSMETER FOUR (4) INCHES THROUGH TWENTY FOUR (ANSI/AWWA C151/A21.51 AND SHALL HAVE A MININTING OF 350 PSI WITH STANDARD CEMENT MORTAR HANSI/AWWA C104/A21.4.

OCATIONS, DIMENSIONS, AND INVERT ELEVATIONS OF ALL INFILTRATION, INFILTRATION, OR UNDERDRAIN SYSTEMS INCLUDING CLEANOUTS, PIPES, SONNECTIONS TO CONTROL STRUCTURES, AND POINTS OF DISCHARGE TO THE RECEIVING WATERS. No. DATE DESCRIPTION 03-31-09

REVISIONS APP'D BY QTL CITY OF ORLANDO COMM. QTL CITY OF ORLANDO COMM. (BLD2009-03635) QTL CITY OF ORLANDO BLD2009-00444 COMM QTL 10-02-09 FDOT UTILITY PERMIT

GENERAL NOTES