

ABBREVIATIONS

ASPH	ASPHALT
BC	BOTTOM OF CURB
BFP	BACKFLOW PREVENTER
BN	BOTTOM OF HALL
CG	CURB AND GUTTER
C.S.	CURB SLOPING
CB	CATCH BASIN
CF	CUBIC FEET
CL	CENTERLINE
CM	CORRUGATED METAL PIPE
CO	GENERAL CLEAN OUT
CONC.	CONCRETE
CM	COLD WATER SUPPLY
CY	CUBIC YARD
D.O.T.	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 FEET
GT	GREASE TRAP
GV	GATE VALVE
HDPE	HIGH DENSITY POLYETHYLENE
HGL	HYDRAULIC GRADE LINE
HN	HOT WATER SUPPLY
I	INTERNAL ANGLE
INV.	INVERT
IRR	IRRIGATION
IR	IRREGULAR
L.C.	LENGTH OF CURVE
L.C.	LENGTH OF CHORD
LFPE	LOWER FINISH FLOOR ELEVATION
L	LANDSCAPE
LS	LANDSCAPE
M	MANHOLE
N	NORTH
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PV	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 BLOCK
TW	TOP OF WATER MAIN
TYP.	TYPICAL
W	WEST
WM	WATER METER
W.S.	WATER SURFACE ELEVATION
N.S.E.	NORTH SURFACE ELEVATION
TR	TRUNK

SEE SURVEYING INSTRUMENTS FOR ABBREVIATIONS SPECIFIC TO THAT SUBJECT

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.

Note

- THRUST OR GRATE ELEVATION FOR CURB INLETS.
- TOP OF STRUCTURE FOR JUNCTION BOXES/OCS.
- TOP OF STRUCTURE FOR SANITARY MANHOLES AND CLEANOUTS.

- GENERAL NOTES**
- NO WORK CAN BEGIN UNTIL WE GET THE APPROVED GENERAL USE PERMIT FROM THE D.E.P. AND AT THE END OF POTABLE WATER PROJECT WE WILL REQUIRE A CERTIFICATION OF COMPLETION FROM THE D.E.P.
 - THE CERTIFICATION OF COMPLETION DOES NOT MEAN WE WILL ACCEPT THE PROJECT ONTO OUR SYSTEM, IT JUST CONFIRMS THAT YOU HAVE MET THE D.E.P. REQUIREMENTS FOR A NEW POTABLE WATER DISTRIBUTION FACILITY FOR THIS SUBDIVISION.
 - NO VALVES MAY BE TURNED ON FOR ANY REASON OTHER THAN FLUSHING AND PRESSURE TESTING. IF WE FIND A VALVE HAS BEEN LEFT ON WE ARE REQUIRED TO CONTACT D.E.P. AND REPORT THIS VIOLATION. THERE WILL BE FINES INVOLVED.
 - MIDWAY WATER SYSTEM WILL ONLY PROVIDE THE WATER SERVICE AFTER ALL ISSUES, IF ANY, HAVE BEEN ADDRESSED AND CORRECTED. FOLLOWING THE INSPECTION BY THE MIDWAY WATER SYSTEM REPRESENTATIVE.
 - ALL PLANS WILL NEED THE USUAL DETAIL OF HYDRANTS, POTABLE WATER SERVICES AND VALVES. ALL WATER MAINS UNDER ROADWAYS WILL BE SLEEVED IN CAST IRON FROM CURB TO CURB. ALL WATER MAINS WILL BE 4" C-400 PVC OF LARGER.
 - FOR MATERIALS WE REQUIRE EACH POTABLE WATER SERVICE TO BE 1" REDUCED AT THE CURB STOP WITH A FORD BRASS 1" GRIP BY 3/4" METER SHVEL.
 - ALL SADDLES WILL BE FORD BRASS SINGLE HINGED, SINGLE SCREW SADDLE. NO BAND SADDLES ALLOWED.
 - SERVICES WILL BE LOCATED WITHIN 2' OF PROPERTY CORNERS, CLEARLY VISIBLE, MARKED AND STAKED ON THE OPPOSITE SIDE FROM ANY REUSE WATER SERVICES. ALL WATER SERVICES UNDER ROADWAYS WILL BE SLEEVED IN PVC FROM CURB TO CURB. THE CONTRACTOR MUST SUPPLY CARSON FLANGING METER BOXES, WITH A HOLE IN THE LID FOR THE ELECTRONIC READER, FOR ALL WATER SERVICES.
 - RETAINER FLANGES TO BE USED ON ALL DUCTILE IRON FITTINGS. ANCHOR COUPLINGS ON HYDRANT AND HYDRANT VALVES. IF ANCHOR COUPLINGS ARE NOT LONG ENOUGH TO GET THE HYDRANT UP TO THE PROPERTY LINE THEN DUCTILE IRON WILL BE INSTALLED BETWEEN THE HYDRANT AND VALVE.
 - ALL LARGE TAPPING SADDLES WILL BE PRESSURE TESTED TO HOLD 50 PSI FOR 2 HOURS BEFORE MAKING ANY TAPS WITH NO DROP IN PRESSURE. A MIDWAY WATER SYSTEM REPRESENTATIVE MUST BE PRESENT TO WITNESS PRESSURE TEST BEFORE TAPPING THE MAIN. WE REQUIRE A 48 HOUR NOTICE PRIOR TO DOING THE PRESSURE TEST.
 - NO BENDING OF ANY MAINS. YOU MUST USE PROPER DUCTILE IRON FITTINGS WITH RESTRAINING FLANGES AROUND CURVES AND CUL-DE-SACS.
 - ALL VALVES WILL HAVE A CONCRETE RING INSTALLED AND WILL BE VISIBLE AT THE POINT OF INSPECTION.
 - ALL FIRE HYDRANTS WILL BE INSTALLED TO THE PROPER HEIGHT AT FINISHED GRADE. NO LOW SET HYDRANTS WILL BE ALLOWED TO REMAIN AND WILL BE REQUIRED TO BE RAISED TO CODE HEIGHT ABOVE FINISHED GRADE. AREAS THAT REQUIRE FILL DIRT WILL BE DONE AT THE DEVELOPER'S EXPENSE.
 - ALL WORK MUST BE DONE BY A FLORIDA LICENSED UNDERGROUND CONTRACTOR. HE WILL NEED A COPY OF THEIR LICENSE BEFORE WORK BEGINS.
 - WE WILL NEED A SET OF PRELIMINARY CONSTRUCTION PLANS REVIEW AND APPROVAL BEFORE THE PROJECT STARTS. WHEN PLANS ARE REVIEWED AND APPROVED WE WILL REQUIRE A SET OF APPROVED FOR CONSTRUCTION PLANS BEFORE CONSTRUCTION BEGINS.
 - AFTER THE POTABLE WATER INSTALLATION IS COMPLETED WE WILL REQUIRE A SET OF AS-BUILT PLANS SHOWING LOCATION OF ALL SERVICES, HYDRANTS, FITTINGS, VALVES AND MEASUREMENTS FROM BACK OF CURB TO THE WATER MAINS. AFTER THE INSPECTION IS COMPLETE WE REQUIRE A DISC WITH THE AS-BUILT PLANS SURVEY GRADE GPS AS-BUILTS IN STATE PLAN COORDINATES WILL BE PROVIDED FOR ALL VALVES AND HYDRANTS.
 - THE LETTER OF CLEARANCE FROM THE D.E.P. DOES NOT MEAN MIDWAY WATER SYSTEM ACCEPTS THE PROJECT. IT JUST MEANS THE PROJECT HAS MET ALL OF THE D.E.P. REQUIREMENTS FOR A COMPLETED POTABLE WATER DISTRIBUTION SYSTEM.
 - PULLING WATER FROM HYDRANTS FOR SERVICES WITHOUT HAVING THE PROPER METER AND BACKFLOW DEVICE INSTALLED OR TURNING ON VALVES WITHOUT PERMISSION WILL RESULT IN A TAMPERING FINE OF \$500.00 TO THE OWNER OF THE PROJECT.
 - A "W" WILL BE ETCHED INTO THE CONCRETE CURB IN FRONT OF EACH WATER SERVICE.
 - A 3" FLUSH HYDRANT WILL BE INSTALLED AT THE END OF ANY WATER MAIN OR CUL-DE-SAC WITH A VALVE INCLUDED.
 - THE CONTRACTOR WILL PROVIDE ALL MATERIALS FOR PROJECT THAT HAS TO DO WITH METERING.

EXISTING CONDITIONS LEGEND

DESCRIPTION	LINETYPE/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
POWDER 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
HEADMALL	HM
JUNCTION BOX	JB
DRAINAGE EASEMENT	DE
WATER METER	WM
WATER VALVE	WV
GAS VALVE	GV
MUNICIPAL	M
REINFORCED CONCRETE MONUMENT FOUND	RCMF
GAS LINE	GAS
WATER LINE	WAT
SANITARY SEWER	SAN
OVERHEAD ELECTRIC LINE	OH ELB
OVERHEAD ELECTRIC/TELEPHONE LINE	OH E/T/TV
OVERHEAD ELECTRIC/TELEPHONE LINE	OH E/T

GENERAL NOTES

- 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.
- DEVIATIONS FROM THESE PLANS AND NOTES WITHOUT PRIOR CONSENT OF THE OWNER, HIS REPRESENTATIVE, OR THE ENGINEER MAY CAUSE THE WORK TO BE UNACCEPTABLE.
- 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.
- 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.
- 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.

PROPOSED LEGEND

GENERAL	LINETYPE/SYMBOL	REFERENCE
RIGHT-OF-WAY/PROPERTY LINE	---	SEE PLANS
CENTERLINE	---	SEE PLANS
LIMITS OF CONSTRUCTION	---	SEE PLANS
DETAIL REFERENCE	---	SEE PLANS
ADDENDUM AND/OR REVISION REFERENCE	---	SEE PLANS
SITE/HARDSCAPE		
CHAIN LINK FENCE	---	N/A
RETAINING WALL	---	N/A
SCREEN WALL/DAMPSTER ENCLOSURE	---	SEE PLANS (BY DETAIL 6, SHEET C03.3)
CURB & GUTTER	---	DETAIL 6, SHEET C03.3
HEADER CURB	---	DETAIL 6, SHEET C03.3
CONCRETE SIDEWALK	---	DETAIL 6, SHEET C03.3
UTILITY		
DOMESTIC WATER MAIN	---	SEE PLANS
FIRE WATER LINE	---	N/A
BUILDING FIRE SPRINKLER LINE	---	N/A
IRRIGATION WATER LINE	---	3/4" PVC
DOMESTIC WATER METER (1/2")	---	1/2" DOM. WATER METER
IRRIGATION METER (3/4")	---	3/4" IRR. METER
BACKFLOW PREVENTER (RPZ)	---	SEE PLANS
THRUST BLOCK (TBC)	---	N/A
DC BACKFLOW PREVENTER	---	SEE PLANS
WATER TAP OR TEE	---	SEE PLANS
GATE VALVE (GV)	---	N/A
THRUST BLOCK (TB)	---	N/A
FIRE HYDRANT (FH)	---	N/A
FIRE DEPARTMENT CONNECTION (FDC)	---	N/A
SANITARY SEWER (SS)	---	6" PVC
SANITARY MANHOLE (SMH)	---	#
GENERAL CLEAN OUT (GO)	---	#
SAMPLING MANHOLE	---	N/A
SANITARY STRUCTURE NUMBER	---	SEE PLANS
UNDERGROUND ELECTRIC LINE-PRIMARY	---	SEE PLANS
UNDERGROUND ELECTRIC LINE-SECONDARY	---	SEE PLANS
POST INDICATOR VALVE	---	N/A
SITE LIGHTING POLE	---	SEE ARCHITECT PLANS
TRANSFORMER PAD	---	#
FORCE MAIN	---	SEE PLANS
UNDERGROUND TELEPHONE LINE	---	(2) 4" CONDUIT
GENERAL UTILITY CONDUIT	---	(2) 4" CONDUIT
GAS LINE	---	#
GAS METERS	---	#
LIFT STATION	---	SHEET C04.4, DETAIL 2

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

GRADING/DRAINAGE

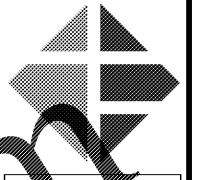
DESCRIPTION	LINETYPE/SYMBOL	REFERENCE
GRADE	---	SEE PLANS
SPOT ELEVATION	x	SEE PLANS
STORM DRAIN	---	SEE PLANS
HEADWALL (HW) / FLARED END SECTION (FES)	---	N/A
DROP INLET (GRATE)	---	DETAIL 1, SHEET C04.3
DROP INLET (GRATE AND HOOD)	---	DETAIL 3, SHEET C04.3
JUNCTION BOX (JB) / OCS	---	N/A
CATCH BASIN (SINGLE HING)	---	N/A
CATCH BASIN (DOUBLE HING)	---	DETAIL 4, SHEET C04.3
OUTLET CONTROL STRUCTURE	---	DETAIL 1, SHEET C04.6
STORM STRUCTURE NUMBER	---	SEE PLANS

ESPC B/M/P

DESCRIPTION	LINETYPE/SYMBOL	REFERENCE
CONSTRUCTION EXIT	---	DETAIL 2, C06.2
SEDIMENT FENCE	---	DETAIL 1, C06.2
INLET PROTECTION	---	DETAIL 2, C06.3
TEMPORARY SEEDING	---	DETAIL 1, C06.3
PERMANENT SEEDING	---	DETAIL 1, C06.4
TREE PROTECTION FENCE	---	DETAIL 1, C06.5

LIMITS OF CONSTRUCTION

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



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THIS ITEM IS BEING DIGITALLY SIGNED AND SEALED BY JAMES D. NEFF, PE ON THE DATE ADJACENT TO THE SEAL.

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STATE OF FLORIDA
AUTHORIZATION NUMBER
8370

PLANS PREPARED BY INGENIUM ENTERPRISES FORMERLY GRIMALD CRAWFORD

PANDA EXPRESS/CFT PLAZA
3668 GULF BREEZE PARKWAY
GULF BREEZE, FLORIDA



CLIENT:
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REVISION HISTORY

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMITTING	11/2/2008
2	ISSUED FOR CONSTRUCTION	11/2/2008
3	ISSUED FOR CONSTRUCTION	11/2/2008
4	ISSUED FOR CONSTRUCTION	11/2/2008
5	ISSUED FOR CONSTRUCTION	11/2/2008

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PROJ # 10056
DWG NAME 10056 C01.DWG
ISSUE DATE 11/2/2008
PROJ MGR EF

GENERAL NOTES

C01.1
SHEET NUMBER

Order Plans @

SCALE FOR BID