CONSTRUCTION PLANS

FOR

GATEWAY SQUARE AND VILLAS

GENERAL NOTES

* OWNERSHIP & UNIFIED CONTROL STATEMENT: THE SUBJECT PROJECT WILL BE OWNED BY ENGLEWOOD VENTURES, LLC.
* SITE ADDRESS: 95 OLD ENGLEWOOD ROAD AND SR 776, SARASOTA, FL.
* CHARACTER & INTENDED USE STATEMENT: THE SITE IS CURRENTLY VACANT. THE SUBJECT PROJECT PROPOSES A SINGLE FAMILY RESIDENTIAL AREA, OFFICE, PLANNED UNIT DEVELOPMENT.
* MAINTENANCE OF COMMON FACILITIES STATEMENT: ALL SITE IMPROVEMENTS, EXCEPT WHERE NOTED ON THE PLANS, ARE TO BE OWNED AND MAINTAINED BY THE OWNERS ASSOCIATION AND SHALL NOT BE DEDICATED TO OR MAINTAINED BY THE PUBLIC.
* ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SARASOTA COUNTY LAND DEVELOPMENT REGULATIONS.
* WATER DISTRIBUTION AND SANITARY SEWER COLLECTION SYSTEM CONSTRUCTION SHALL BE IN ACCORDANCE WITH ENGLEWOOD WATER DISTRICT RESOLUTION 98-01-26 F, JANUARY 26, 1998.
* THE CONTRACTOR SHALL CONTACT "SUNSHINE STATE" ONE CALL, FPL, AND ALL OTHER UTILITY COMPANIES PRIOR TO ANY WORK ON-SITE OR OFF-SITE SO THAT THE EXACT LOCATION OF ALL UTILITIES CAN BE DETERMINED.
* EXISTING ZONING: PDP-APUD
* PARCEL ID NO.: 0494-04-0003 & 0494-04-0004

NUMBER OF UNITS: 16 "PAIRED VILLAS" (32 TOTAL UNITS), (1) 6000 SF BLDG, (1) TWO STORY 11,000 SF BLDG.

* DENSITY: 11.07 ACRES
  MAXIMUM ALLOWABLE: RESIDENTIAL SINGLE FAMILY, 5.5 DWELLING UNITS PER ACRE/PLANNED UNIT DEVELOPMENT
  32 DWELLING UNITS PROPOSED = 32/11.07 ACRES = 2.89 UNITS PER ACRE
* SITE COVERAGES:
  IMPERVIOUS: 4.14 ACRES (37.40%)
  PERVIOUS: 6.93 ACRES (62.60%)
  TOTAL DEVELOPED AREA: 11.07± ACRES (100.0%)
* OPEN SPACE PROVIDED: 62.6%
* OPEN SPACE REQUIRED: 30%
* PARKING: OFFICE SPACE 1/250 SF (16,000 SF TOTAL) = 64 SPACES
  32 ONE STORY DWELLINGS (PAIRED VILLAS) - 2 SPACES PER UNIT / 32 UNITS = 64 SPACES
  TOTAL PARKING REQUIRED: 128 - TOTAL PARKING PROVIDED: 128
* SETBACKS:
  20' FRONT, 10' REAR, 15' BETWEEN BUILDINGS (6' SINGLE), 20' WATER FRONT
* STREETS: PRIVATE
* BUILDING HEIGHT: 65'
* BUILDING COVERAGE: N/A PUD (PLANNED UNIT DEVELOPMENT)
* THE PROPOSED PROJECT WILL BE CONSTRUCTED IN ONE (1) PHASE.
* SIGNAGE: A SIGN IS PROPOSED FOR THE SUBJECT PROJECT. PLANS WILL BE PERMITTED THROUGH THE BUILDING DEPARTMENT
* LANDSCAPE BUFFERS: SEE LANDSCAPE PLAN BY REGISTERED LANDSCAPE ARCHITECT.
* SANITARY SEWER SYSTEM: SANITARY SEWER SERVICE TO BE PROVIDED BY ENGLEWOOD WATER DISTRICT.
* WATER DISTRIBUTION SYSTEM: WATER SERVICE TO BE PROVIDED BY ENGLEWOOD WATER DISTRICT
* DEP WATER AND WASTEWATER PERMITS ARE REQUIRED FOR THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.
* A SARASOTA COUNTY UTILITIES CONSTRUCTION PERMIT IS REQUIRED FOR CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.
* A SARASOTA COUNTY RIGHT-OF-WAY USE PERMIT WILL BE REQUIRED.
* THE SITE LIES WITHIN THE BOUNDARIES OF FLOOD ZONE "C" & "X" PER FIRM MAP #125144 0451 D, DATED MAY 1, 1984.
* TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO WELLS LOCATED ON THE SUBJECT SITE. ANY EXISTING WELLS DISCOVERED WILL BE PLUGGED BY A LICENSED WELL CONTRACTOR IN ACCORDANCE WITH ALL PERTINENT REGULATIONS.
* TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO SEPTIC TANKS EXISTING ON THE SUBJECT SITE. EXISTING SEPTIC TANKS DISCOVERED ON THE SUBJECT SITE WILL BE ABANDONED AND REMOVED IN ACCORDANCE WITH ALL PERTINENT REGULATIONS.
* SEDIMENT AND EROSION CONTROL/BEST MANAGEMENT PRACTICES (BMP'S).
  THE FOLLOWING PERTAINS TO SEDIMENT & EROSION CONTROL/BEST MANAGEMENT PRACTICES AND SHALL BE ADHERED TO ACCORDINGLY.
  SAID MEASURES AND PRACTICES SHALL BE IMPLEMENTED DURING CONSTRUCTION BY THE CONTRACTOR.
  SITE SPECIFIC MEASURES SHALL PREVENT SEDIMENT AND OTHER DELETERIOUS SUBSTANCES FROM ENTERING UTILITY AND STORM WATER DRAINAGE SYSTEMS INCLUDING BUT NOT LIMITED TO DITCHES, WATER BODIES, WETLANDS, AND ADJACENT PROPERTIES.
  THE EFFECTIVENESS OF THE BMP'S SHALL BE CHECKED DAILY DURING CONSTRUCTION BY THE CONTRACTOR.
  METHODS USED SHALL INCLUDE BUT NOT BE LIMITED TO SODDING OF RETENTION AREAS AND SWALES IMMEDIATELY UPON THEIR COMPLETION, SILT FENCE, AND HAY BALES.
  THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SILTATION ENTERING THE STORM WATER MANAGEMENT SYSTEM AND/OR ANY ON-SITE OR OFF-SITE DRAINAGE AREAS.
* ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO EXISTING CONDITION, OR BETTER, TO THE SATISFACTION OF THE OWNER.
* ALL FACILITIES CONTAINED HEREIN HAVE BEEN DESIGNED FOR HANDICAP ACCESSIBILITY IN ACCORDANCE WITH BOTH THE FLORIDA ACCESSIBILITY CODE 2002 EDITION AND THE AMERICAN DISABILITY ACT STANDARDS.
* REFUSE & RECYCLABLES TO BE CURBSIDE PICKUP ON DESIGNATED TRASH PICK UP DAYS FOR THE SINGLE FAMILY AREA.

A REUSE/RECYCLE AREA IS PROVIDED FOR THE COMMERCIAL AREA.

* THERE ARE NO KNOWN HISTORIC SITES OR HISTORIC BUILDINGS LOCATED ON THE SITE.
* NO FOUNDATION MOUNDS OR HIDDEN AREAS OF HISTORIC CRUSH ARE LOCATED ON SITE.
* I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FACILITIES CONTAINED HEREIN COMPLY WITH ALL APPLICABLE STANDARDS, INCLUDING THE MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION, AND MAINTENANCE FOR STREETS AND HIGHWAYS (GREEN BOOK), DEVELOPED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION AND THE SARASOTA COUNTY LAND DEVELOPMENT REGULATIONS.

CONSTRUCTION NOTES

* ALL TACTILE SURFACES ON CURB CUT RAMPS SHALL CONFORM TO FDOT INDEX NO. 304
* SIGN POSTS SHALL BE 2"x2" SQUARE BREAK-AWAY 14 GAUGE GALVANIZED STEEL WITH PUNCHED HOLES.
* ALL DRAINAGE CULVERT JOINTS SHALL BE WRAPPED PER FDOT INDEX NO. 280.
* ALL ROADWAY AND DRAINAGE RELATED STRUCTURES SHALL BE 3,000 PSI CONCRETE.
* RIP-RAP SHALL MEET ALL SPECIFICATIONS OF SECTION 530 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
* A MINIMUM OF 2 FEET OF SOD SHALL BE PLACED AT THE BACK OF ALL CURBS AND PAVEMENT EDGES, EXCEPT LANDSCAPE AREAS. ALL SWALES, BERMS, AND DETENTION AREAS TO THE NORMAL WATER LEVEL SHALL BE SODDED.
* ALL PAVEMENT MARKINGS, EXCEPT PARKING STALLS, SHALL BE ALKYD THERMOPLASTIC 90 MILS IN THICKNESS, AND CONFORM TO FDOT AND MUTCD STANDARDS INCLUDING HANDICAP ACCESS AISLES AND CROSSWALKS.
* CLOSURE PLAN: NO STOCKPILED VEGETATIVE DEBRIS WILL BE LOCATED ON-SITE. SITE CONTRACT WITH CONTRACTOR WILL PROVIDE FOR REMOVAL OF ALL CONSTRUCTION DEBRIS AND FILL FROM THE SITE IN THE EVENT THE CONSTRUCTION SITE IS ABANDONED PRIOR TO PROJECT COMPLETION AND WILL ALLOW CONTRACTOR TO LEAVE PROPERTY FOR COMPENSATION.
* VEGETATION FROM CLEARING AND GRUBBING WILL BE DISPOSED OFF-SITE OR IF USED ON-SITE, MUST BE VERIFIED WITH THE COUNTY AND THE ENGINEER FOR LOCATION, DEPTH, AND WIDTH AND BE LOCATED ABOVE SEASONAL HIGH WATER LEVEL. A MIXING SPECIFICATION WILL BE PROVIDED FOR REVIEW.
* A SEPARATE BUILDING PERMIT WILL BE REQUIRED PRIOR TO ANY RETAINING WALL SYSTEM AND ALL MASONRY OR ENGINEERED STYROFOAM PRIVACY WALLS.
* CONSTRUCTION PLAN APPROVAL DOES NOT EXEMPT THE CONTRACTOR FROM OBTAINING THE REQUIRED BUILDING, ELECTRICAL, PLUMBING, AND MECHANICAL PERMITS. THESE INCLUDE BUT ARE NOT LIMITED TO ANY STRUCTURE, SIGN, WALL ENCLOSURE OR SCREENING ETC.
* IF EVIDENCE OF THE EXISTENCE OF HISTORIC RESOURCES IS DISCOVERED OR OBSERVED AT DEVELOPMENT SITES OR DURING DEVELOPMENT ACTIVITIES AFTER FINAL APPROVAL, ALL WORK SHALL CEASE IN THE AREA OF EFFECT AS DETERMINED BY THE DIRECTOR. THE DEVELOPER, OWNER, CONTRACTOR, OR AGENT THEREOF SHALL NOTIFY THE DEPARTMENT OF HISTORICAL RESOURCES (HISTORY CENTER) WITHIN TWO WORKING DAYS. EXAMPLES OF EVIDENCE OF HISTORIC RESOURCES INCLUDE MAUL OR FRAGMENTARY STONE TOOLS, SHELL TOOLS, ABORIGINAL OR HISTORIC POTTERY, HISTORIC GLASS, HISTORIC BOTTLES, BONE TOOLS, HISTORIC BUILDING FOUNDATIONS, SHELL MOUNDS, SHELL MIDDENS, OR SAND MOUNDS. THE DIRECTOR SHALL ASSESS THE SIGNIFICANCE OF THE FINDS WITHIN THREE WORKING DAYS OF NOTIFICATION AND MITIGATE ANY ADVERSE EFFECTS SO AS TO MINIMIZE DELAYS TO DEVELOPMENT ACTIVITIES.
* IF ANY HUMAN SKELETAL REMAINS OR ASSOCIATED BURIAL ARTIFACTS ARE DISCOVERED AT DEVELOPMENT SITES OR DURING DEVELOPMENT ACTIVITY, ALL WORK IN THAT PARTICULAR AREA MUST CEASE, AND THE PERMITTEE MUST IMMEDIATELY NOTIFY THE NEAREST LAW ENFORCEMENT OFFICE AND NOTIFY THE DIRECTOR OF HISTORICAL RESOURCES WITHIN TWO WORKING DAYS. ACCORDING TO CHAPTER 872, FLORIDA STATUTES, IT IS UNLAWFUL TO DISTURB, VANDALIZE, OR DAMAGE A HUMAN BURIAL.
* ALL STREET STOP SIGNS WILL BE MANUFACTURED USING DIAMOND GRADE REFLECTIVE SHEETING (OR AN EQUIVALENT). ALL OTHER TRAFFIC/STREET SIGNS SHALL BE MANUFACTURED USING (TIMPRINT) HIGH INTENSITY REFLECTIVE SHEETING. TRAFFIC SIGN POSTS AND STREET NAME SIGNS SHALL BE INSTALLED CONSISTENT WITH APPENDIX C3 OF THE LDR. THE POLETECH SYSTEM (OR AN EQUIVALENT) SHALL BE EMPLOYED WHERE SIGN POSTS ARE INSTALLED IN PAVED AREAS.
* TOPOGRAPHIC INFORMATION SHOWN WITHIN THESE PLANS WAS OBTAINED BASED ON NGVD 29 AND CONVERTED UTILIZING THE "VERTCON" CONVERSION PROGRAM. CONVERSION FACTOR TO NAVD 88 IS (-) 1.12 FT (i.e. NGVD 29 ELEV. 13.478 = NAVD 88 ELEV. 14.366)

OFFICE / 16 PAIRED VILLAS PLANNED UNIT DEVELOPMENT

PROJECT TEAM

OWNER/CLIENT:
Englewood Ventures, LLC
One Custom House Street, Suite 4
Providence, RI 02903

CIVIL ENGINEER:
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5824 Bee Ridge Road, # 325
Sarasota, FL 34233-5065
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Fax: (941) 927-3646

LANDSCAPE ARCHITECT:
DWJA, Inc.
630 So. Orange Avenue, Ste. 202
Sarasota, FL 34236
(941) 366-3159
Fax: (941) 954-4616

ENVIRONMENTAL CONSULTANT:
ECo Consultants, Inc.
1523 8th Avenue West, Ste. B
Palmetto, FL 34221
(941) 722-0901
Fax: (941) 722-4931

SURVEYOR:
Red Stake Surveyors
7123 Proctor Road
Sarasota, Florida 34241
(941) 923-9997
Fax: (941) 925-8684

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SARASOTA COUNTY

SCALE: N.T.S.
SECTION: 24
TOWNSHIP: 40 S
RANGE: 19 E
LATITUDE: 26° 59' 26" N
LONGITUDE: 82° 22' 05" W

LEGEND

EX MH	EXISTING MANHOLE	MH #5	PROPOSED MANHOLE
EX F. HYD.	EXISTING FIRE HYDRANT	FF 26.75	PROPOSED FINISH FLOOR ELEVATION
88X 9	EXISTING SPOT GRADE	FH #2	PROPOSED FIRE HYDRANT
	OVERLAND DRAINAGE FLOW DIRECTION	6" PVC MM (TYP)	PROPOSED WATER MAIN SIZE WITH SPECIFICATION (POLYVINYL CHLORIDE PIPE)
	PAVEMENT DRAINAGE FLOW DIRECTION	WM	PROPOSED WATER MAIN
34.00	PROPOSED SPOT GRADE		PROPOSED DOUBLE SANITARY SEWER SERVICE
D.E.	PROPOSED DRAINAGE EASEMENT		PROPOSED SINGLE SANITARY SEWER SERVICE
CB #5	PROPOSED CATCH BASIN		PROPOSED DOUBLE WATER SERVICE
JB	PROPOSED JUNCTION BOX		PROPOSED SINGLE WATER SERVICE
E/M W/ RIP-RAP INV. 24.05	PROPOSED END WALL WITH RIP-RAP AND INVERT	FM	PROPOSED FORCEMAIN
57 LF 24" RCP AT 1.72%	PROPOSED LINEAR FEET OF REINFORCED CONCRETE PIPE AND SLOPE PERCENTAGE	(TYP)	TYPICAL
INV.	PROPOSED INVERT		PROPOSED HANDICAP PARKING SPACE
BM	BENCHMARK	6" CL. MIN.	6" CLEAR MINIMUM
	SEASONAL HIGH/NORMAL WATER LINE		PROPOSED DRAINAGE BASIN
	PROPOSED RIGHT-OF-WAY		PROPOSED EASEMENT (SEE PLANS FOR TYPE)

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COUNTY USE

JOHN F. CAVOLI P.E.
FL LICENSE NO.: 48692

U.S. ARMY CORPS OF ENGINEERS
PERMIT APP NO: SAJ-2015-03168
DRAWING 1 OF 12 02/2017

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PROJECT: GATEWAY SQUARE AND VILLAS
SHEET: AERIAL W/ SITE PLAN

NO.	REVISIONS	DATE	BY

JOHN F. CAVOLI P.E.
FL LICENSE NO.: 48692

DRAWN: LCG
CHECKED: JFC
DATE: 8/17/15
SCALE: 1" = 100'
JOB NO.: T15CA01
SHEET: 2

U.S. ARMY CORPS OF ENGINEERS
PERMIT APP NO: SAJ-2015-03168
DRAWING 2 OF 12 02/2017

CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO THE START OF CONSTRUCTION

U.S. ARMY CORPS OF ENGINEERS
PERMIT APP NO: SAJ-2015-03168
DRAWING 3 OF 12 02/2017

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CLIENT: ENGLEWOOD VENTURES, LLC
PROJECT: GATEWAY SQUARE AND VILLAS
SHEET: EXISTING CONDITIONS / DEMOLITION PLAN

NO.	REVISIONS	DATE	BY

JOHN F. CAVOLI P.E.
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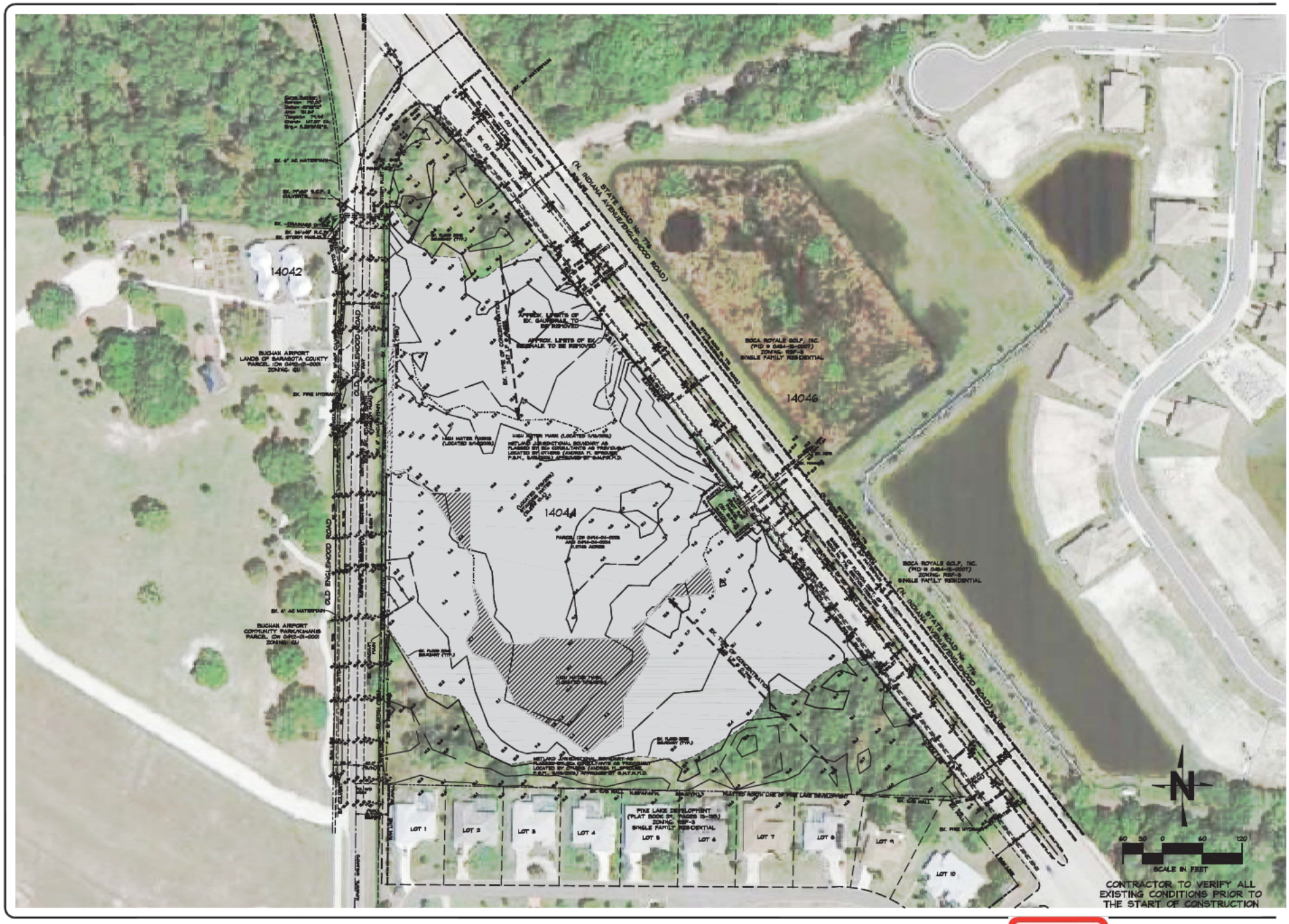
DRAWN	LCG
CHECKED	JFC
DATE	8/17/15
SCALE	1" = 60'
JOB NO.	TSCA01
SHEET	3



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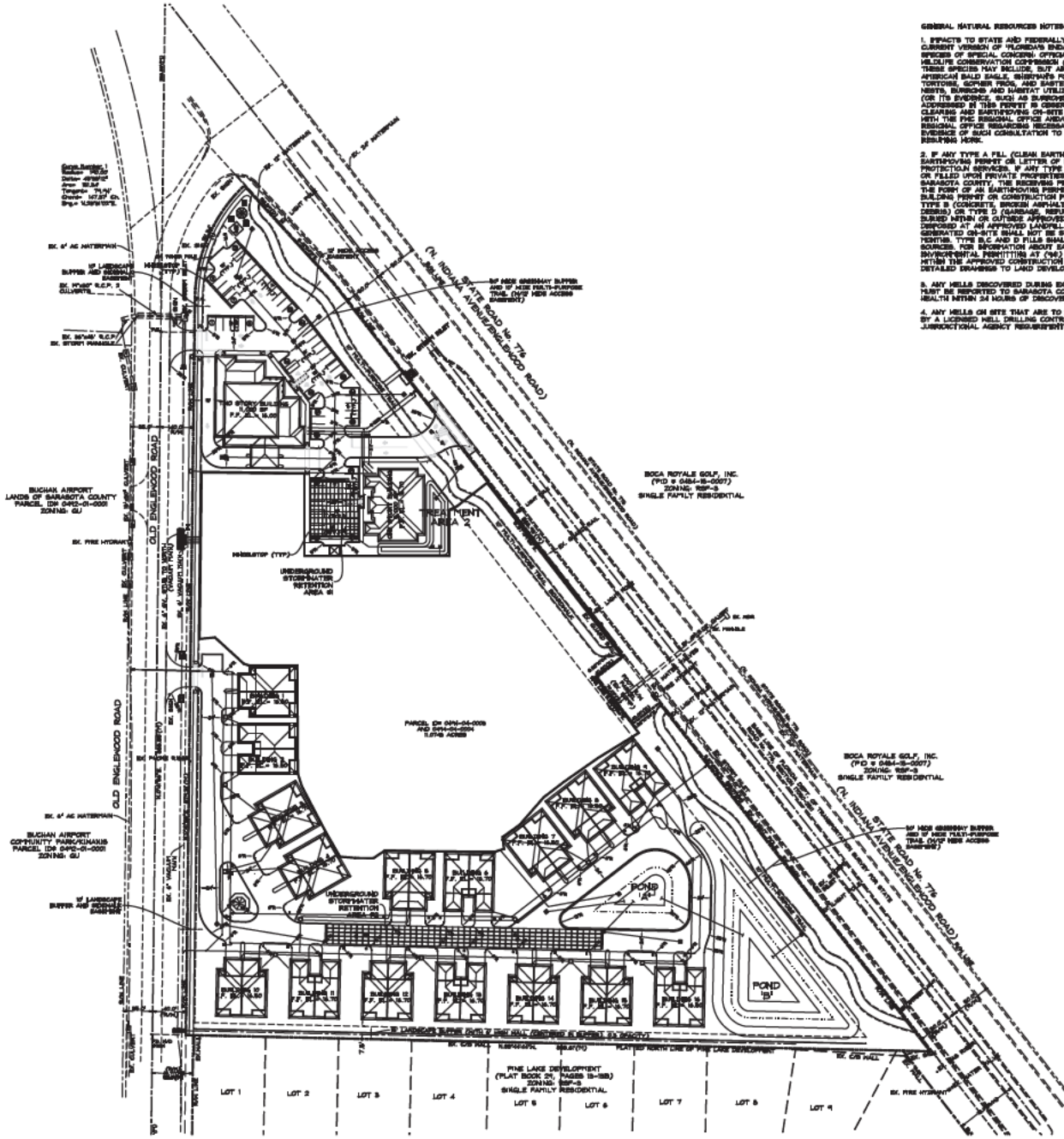
CLIENT: ENGLEWOOD VENTURES, LLC
PROJECT: GATEWAY SQUARE AND VILLAS
SHEET: PRE-DEVELOPMENT NODE REACH DIAGRAM

NO.	REVISIONS	DATE	BY

JOHN F. CAVOLI P.E.
FL LICENSE NO.: 48692

DRAWN	LCG
CHECKED	JFC
DATE	8/17/15
SCALE	1" = 60'
JOB NO.	TBCA01
SHEET	3A

U.S. ARMY CORPS OF ENGINEERS
PERMIT APP NO: SAJ-2015-03168
DRAWING 4 OF 12 02/2017



CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO THE START OF CONSTRUCTION

GENERAL NATURAL RESOURCES NOTES:

1. IMPACTS TO STATE AND FEDERALLY PROTECTED SPECIES AS LISTED IN THE MOST CURRENT VERSION OF "FLORIDA'S ENDANGERED SPECIES, THREATENED SPECIES AND SPECIES OF SPECIAL CONCERN: OFFICIAL LISTS" PREPARED BY THE FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION (FWC) ARE NOT AUTHORIZED BY THIS PERMIT. THESE SPECIES MAY INCLUDE, BUT ARE NOT LIMITED TO, FLORIDA SCRUB JAY, AMERICAN BALD EAGLE, GRASSHOPPER FOX SQUIRREL, BURROWING OWL, GOPHER TORTOISE, GOPHER FROG, AND EASTERN INDIGO SNAKE. PROTECTION EXTENDS TO THE NESTS, BURROWS AND HABITAT UTILIZED BY THESE SPECIES. IF A LISTED SPECIES (OR ITS EVIDENCE, SUCH AS BURROWS, NESTS, SCAT, TRACKS) THAT HAS NOT ALREADY BEEN IN THIS PERMIT IS OBSERVED PRIOR TO OR DURING CONSTRUCTION, ALL CLEARING AND EARTHMOVING ON-SITE SHALL CEASE. THE PERMITTEE SHALL CONSULT WITH THE FWC REGIONAL OFFICE AND/OR THE US FISH AND WILDLIFE SERVICE REGIONAL OFFICE REGARDING NECESSARY PROTECTION MEASURES AND PROVIDE EVIDENCE OF SUCH CONSULTATION TO RESOURCE PROTECTION SERVICES PRIOR TO RESUMING WORK.

2. IF ANY TYPE A FILL (CLEAN EARTHEN MATERIAL) IS TO BE HAULED OFF-SITE, AN EARTHMOVING PERMIT OR LETTER OF EXEMPTION IS REQUIRED FROM RESOURCE PROTECTION SERVICES. IF ANY TYPE A FILL HAULED OFF-SITE IS TO BE STOCKPILED OR FILLED UPON PRIVATE PROPERTIES WITHIN THE UNINCORPORATED AREAS OF SARASOTA COUNTY, THE RECEIVING PROPERTY(IES) SHALL POSSESS AUTHORIZATION IN THE FORM OF AN EARTHMOVING PERMIT, A WRITTEN EARTHMOVING EXEMPTION, A BUILDING PERMIT OR CONSTRUCTION PLAN APPROVAL PRIOR TO RECEIVING SAID FILL. NO TYPE B (CONCRETE, BROKEN ASPHALT, RUBBLE), TYPE C (VEGETATIVE LAND CLEARING DEBRIS) OR TYPE D (GARBAGE, REFUSE, WOOD, METAL, PLASTIC, ETC.) FILL MAY BE BURIED WITHIN OR OUTSIDE APPROVED CONSTRUCTION LIMITS. TYPE D FILL MUST BE DISPOSED AT AN APPROVED LANDFILL OR RECYCLING FACILITY. TYPE B, C AND D FILLS GENERATED ON-SITE SHALL NOT BE STOCKPILED ON-SITE FOR GREATER THAN 6 MONTHS. TYPE B,C AND D FILLS SHALL NOT BE HAULED TO THE SITE FROM OFF-SITE SOURCES. FOR INFORMATION ABOUT EARTHMOVING PERMITS OR EXEMPTIONS, CONTACT ENVIRONMENTAL PERMITTING AT (941) 861-9300. IF FILL MATERIAL IS TO BE STOCKPILED WITHIN THE APPROVED CONSTRUCTION LIMITS, THE PROJECT ENGINEER MUST PROVIDE DETAILED DRAWINGS TO LAND DEVELOPMENT SERVICES FOR REVIEW AND APPROVAL.

3. ANY WELLS DISCOVERED DURING EXCAVATION, EARTHMOVING OR CONSTRUCTION MUST BE REPORTED TO SARASOTA COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH WITHIN 24 HOURS OF DISCOVERY.

4. ANY WELLS ON SITE THAT ARE TO BE ABANDONED SHALL BE PLUGGED AND CAPPED BY A LICENSED WELL DRILLING CONTRACTOR IN ACCORDANCE WITH ALL LOCAL JURISDICTIONAL AGENCY REQUIREMENTS.

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CLIENT: ENGLEWOOD VENTURES, LLC
PROJECT: GATEWAY SQUARE AND VILLAS
SHEET: MASTER SITE PLAN

NO.	REVISIONS	DATE	BY
2B	PER COUNTY COMMENTS	4/18/16	LCG
1	PER COUNTY COMMENTS	12-1-15	LCG

JOHN F. CAVOLI P.E.
FL LICENSE NO.: 48692

DRAWN	LCG
CHECKED	JFC
DATE	8/17/15
SCALE	1" = 60'
JOB NO.	T15CA01
SHEET	4

U.S. ARMY CORPS OF ENGINEERS
PERMIT APP NO: SAJ-2015-03168
DRAWING 5 OF 12 02/2017

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CLIENT: ENGLEWOOD VENTURES, LLC
PROJECT: GATEWAY SQUARE AND VILLAS
SHEET: POST-DEVELOPMENT NODE REACH DIAGRAM

NO.	REVISIONS	DATE	BY
2B	PER COUNTY COMMENTS	4/18/16	LCG
1	PER COUNTY COMMENTS	12-1-15	LCG

JOHN F. CAVOLI P.E.
FL LICENSE NO.: 48692

DRAWN	LCG
CHECKED	JFC
DATE	8/17/15
SCALE	1" = 60'
JOB NO.	T15CA01
SHEET	4A

U.S. ARMY CORPS OF ENGINEERS
PERMIT APP NO: SAJ-2015-03168
DRAWING 6 OF 12 02/2017

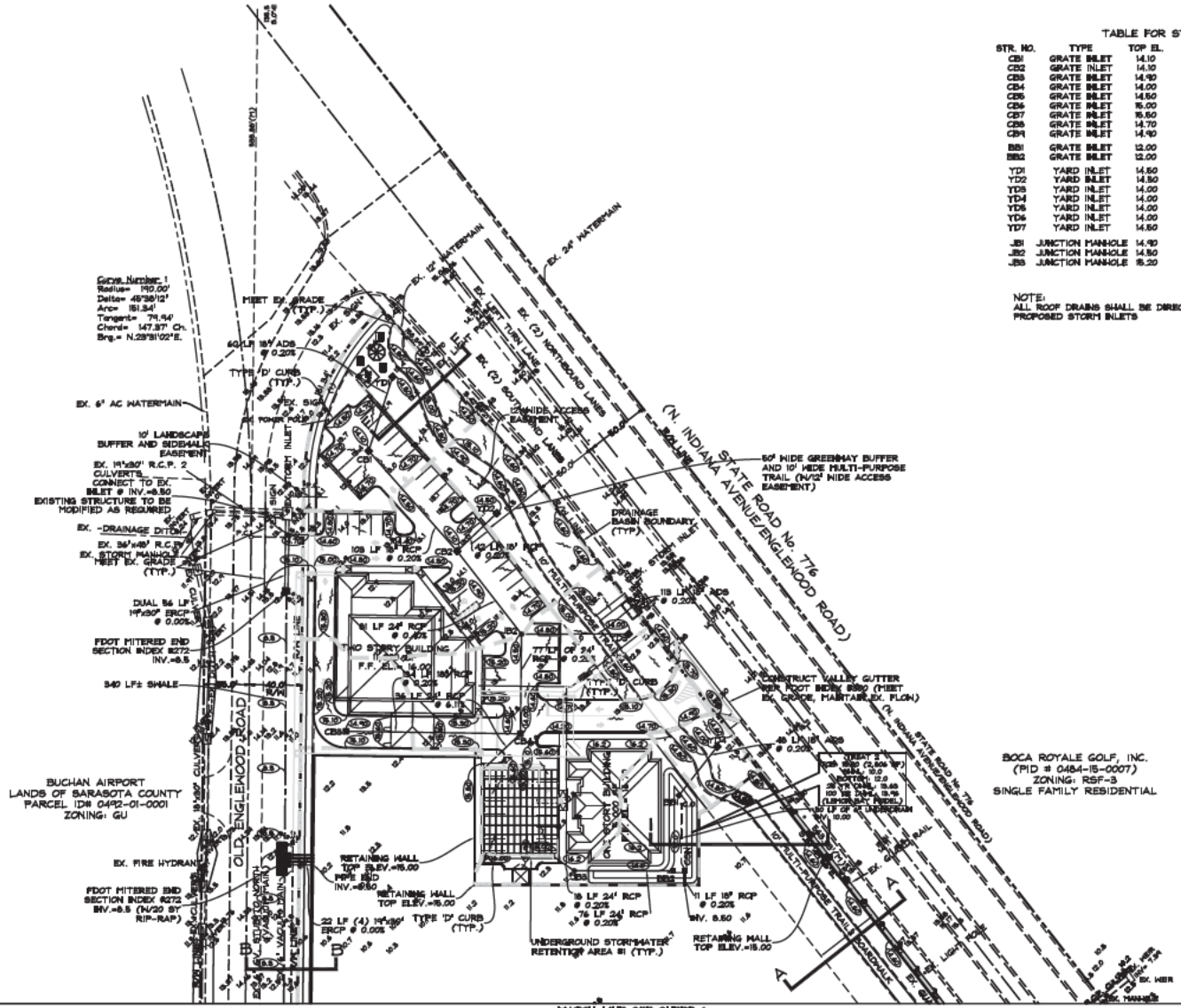

TABLE FOR STRUCTURES / INVERTS

STR. NO.	TYPE	TOP EL.		INV. N	INV. S	INV. E	INV. W
CB1	GRATE INLET	14.10	-	10.90	10.90	-	-
CB2	GRATE INLET	14.10	-	10.70	10.70	10.70	-
CB3	GRATE INLET	14.90	-	-	-	10.60	-
CB4	GRATE INLET	14.00	-	10.30	10.30	-	10.30
CB5	GRATE INLET	14.50	-	-	10.00	-	-
CB6	GRATE INLET	15.00	-	8.50	-	8.50	-
CB7	GRATE INLET	15.50	-	-	-	-	-
CB8	GRATE INLET	14.70	-	-	-	-	10.00
CB9	GRATE INLET	14.90	-	-	-	10.00	-
BB1	GRATE INLET	12.00	-	-	-	9.00	-
BB2	GRATE INLET	12.00	-	-	-	-	10.30
YD1	YARD INLET	14.50	-	-	11.00	-	-
YD2	YARD INLET	14.50	-	-	-	-	10.80
YD3	YARD INLET	14.00	-	-	-	-	10.50
YD4	YARD INLET	14.00	-	-	9.10	-	9.10
YD5	YARD INLET	14.00	-	9.40	-	-	-
YD6	YARD INLET	14.00	-	-	11.00	-	-
YD7	YARD INLET	14.50	-	10.40	-	-	10.40
JB1	JUNCTION MANHOLE	14.90	-	8.70	-	8.70	-
JB2	JUNCTION MANHOLE	14.50	-	10.50	10.50	10.50	-
JB3	JUNCTION MANHOLE	15.20	-	-	-	10.10	10.10

NOTE:
ALL ROOF DRAINS SHALL BE DIRECTED TO THE PROPOSED STORM INLETS

ENVIRONMENTAL PROTECTION DIVISION NOTE:
THE WETLANDS, MITIGATION AREAS, AND ASSOCIATED UPLAND VEGETATIVE BUFFERS SHALL BE MAINTAINED IN ACCORDANCE WITH MANAGEMENT GUIDELINES CONTAINED WITHIN THE COMPREHENSIVE PLAN AS A PRESERVE AND LABELED A PRESERVE ON ALL PLANS. ALL ACTIVITIES INCLUDING BUT NOT LIMITED TO FILLING, EXCAVATING, WELL DRILLING, ALTERING VEGETATION (INCLUDING TRIMMING OF BOTH TREES AND UNDERSTORY) AND STORING OF MATERIAL SHALL BE PROHIBITED WITHIN PRESERVATION AREAS, UNLESS WRITTEN APPROVAL IS FIRST OBTAINED FROM ENVIRONMENTAL PROTECTION DIVISION. EXCEPTION MAY BE GRANTED BY ENVIRONMENTAL PROTECTION DIVISION TO FACILITATE IMPLEMENTATION OF APPROVED HABITAT MANAGEMENT PLANS OR THE HAND REMOVAL OF NUISANCE/INVASIVE VEGETATION.

N

40 20 0 40 80
SCALE IN FEET

CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO THE START OF CONSTRUCTION

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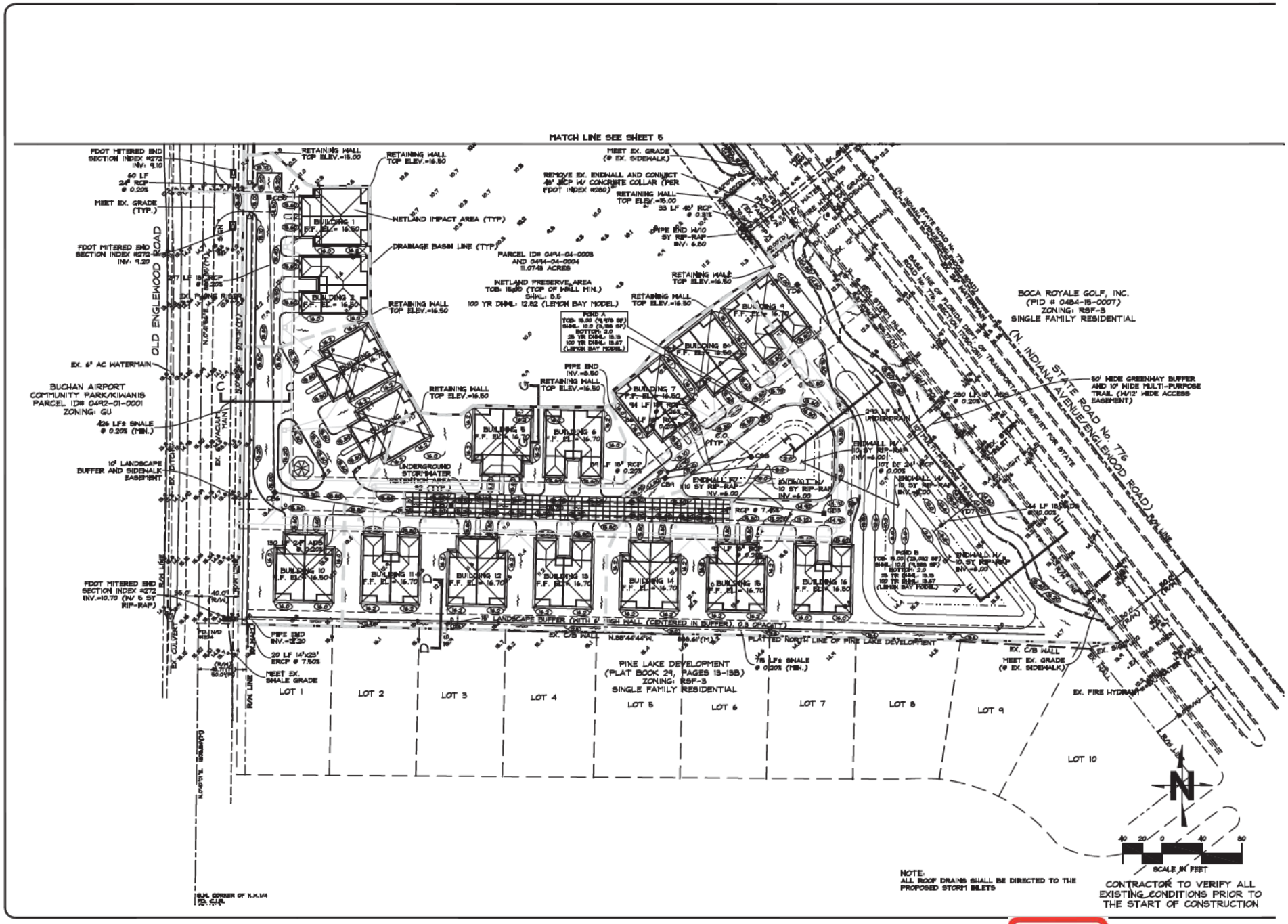
CLIENT: ENGLEWOOD VENTURES, LLC
PROJECT: GATEWAY SQUARE AND VILLAS
SHEET: STORMWATER MANAGEMENT PLAN

NO.	REVISIONS	DATE	BY
2	PER COUNTY COMMENTS	4/18/16	LCG
1	PER COUNTY COMMENTS	12/7/15	LCG

JOHN F. CAVOLI P.E.
FL LICENSE NO.: 48692

DRAWN: LCG
CHECKED: JFC
DATE: 8/17/15
SCALE: 1" = 40'
JOB NO.: T15CA01
SHEET: 5

U.S. ARMY CORPS OF ENGINEERS
PERMIT APP NO: SAJ-2015-03168
DRAWING 7 OF 12 02/2017



NOTE:
ALL ROOF DRAINS SHALL BE DIRECTED TO THE PROPOSED STORM INLETS

CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO THE START OF CONSTRUCTION

AVOLI Engineering, Inc.
Consulting Civil Engineers
5824 Bee Ridge Road, #325, Sarasota, FL 34233-5043
(941) 922-0847
Fax: (941) 922-0848
email: info@avoliengineering.com

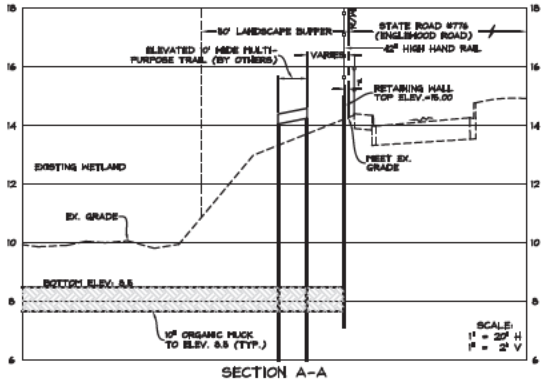
CLIENT: ENGLEWOOD VENTURES, LLC
PROJECT: GATEWAY SQUARE AND VILLAS
SHEET: STORMWATER MANAGEMENT PLAN

NO.	REVISIONS	DATE	BY
2	PER COUNTY COMMENTS	4/18/16	LCG
1	PER COUNTY COMMENTS	12-1-15	LCG

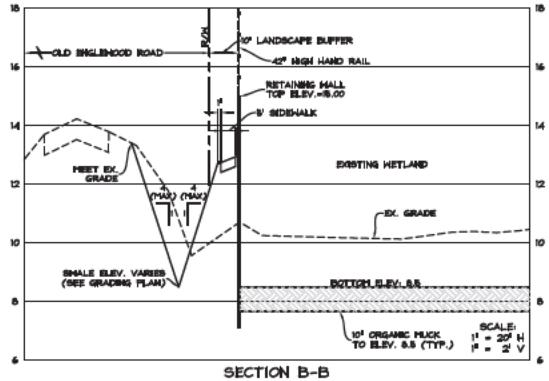
JOHN F. CAVOLI P.E.
FL LICENSE NO.: 48692

DRAWN	LCG
CHECKED	JFC
DATE	8/17/15
SCALE	1" = 40'
JOB NO.	TSCA01
SHEET	6

U.S. ARMY CORPS OF ENGINEERS
PERMIT APP NO: SAJ-2015-03168
DRAWING 8 OF 12 02/2017



SECTION A-A



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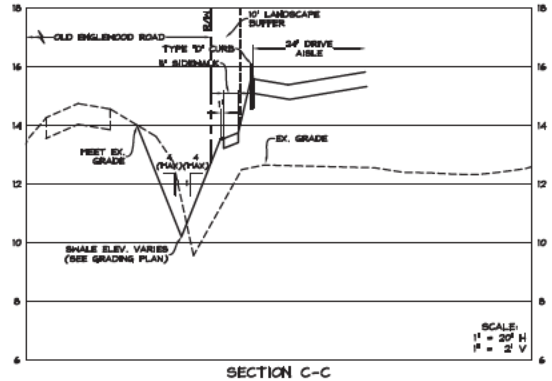

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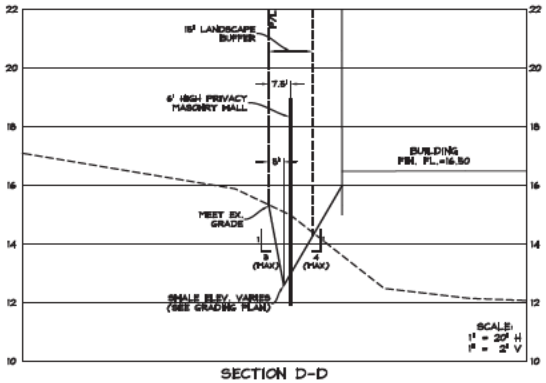
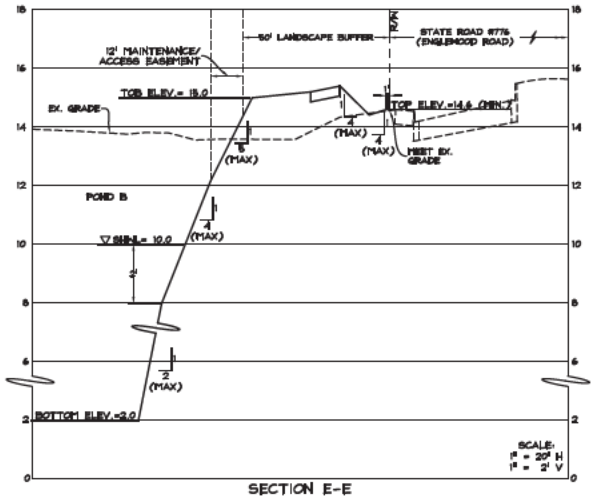


SECTION D-D



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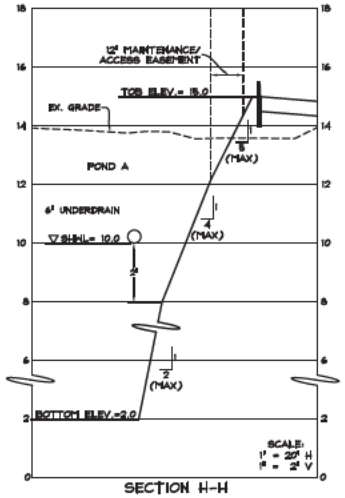

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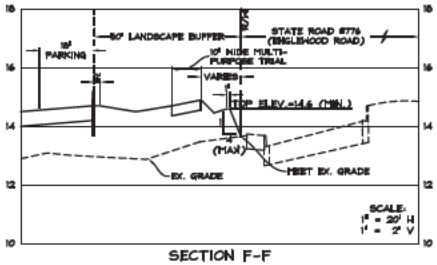

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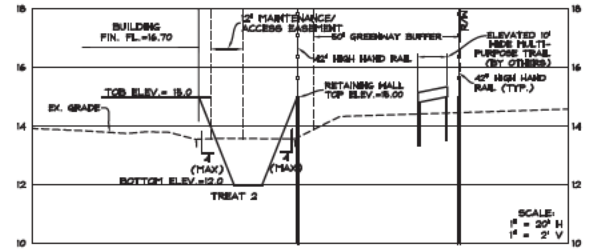
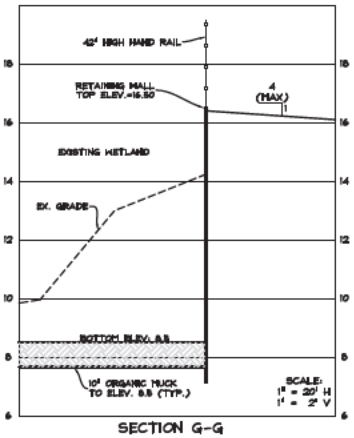


SECTION I-I



SECTION G-G

CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO THE START OF CONSTRUCTION

U.S. ARMY CORPS OF ENGINEERS
PERMIT APP NO: SAJ-2015-03168
DRAWING 9 OF 12 02/2017

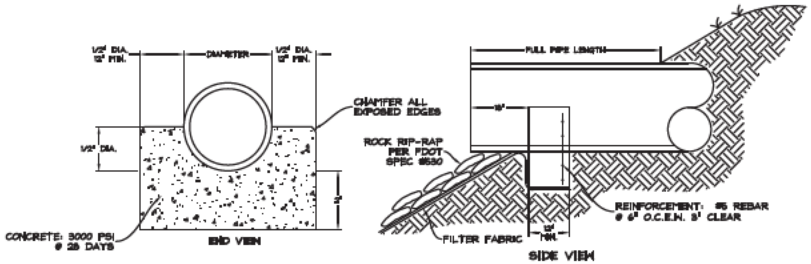
CAVOLI Engineering, Inc.
Consulting Civil Engineers
8504 Beer Ridge Road, #235, Sarasota, FL 34233-3345 email: info@cavoliengineering.com
(941) 923-6447
Fax: (941) 923-6448

CLIENT: ENGLEWOOD VENTURES, LLC
PROJECT: GATEWAY SQUARE AND VILLAS
SHEET: SITE PLAN SECTIONS

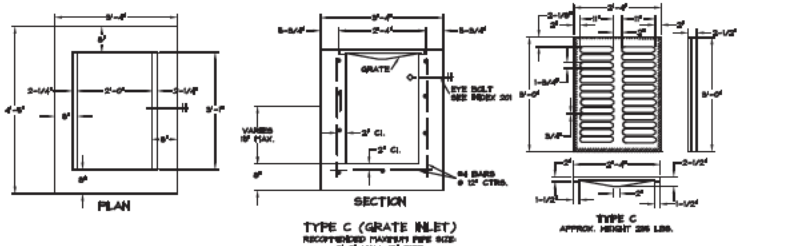
NO.	REVISIONS	DATE	BY

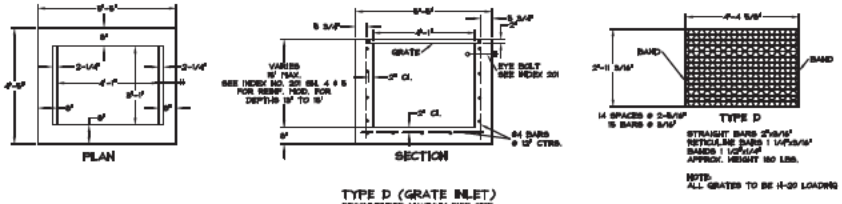
JOHN F. CAVOLI P.E.
FL LICENSE NO.: 48692

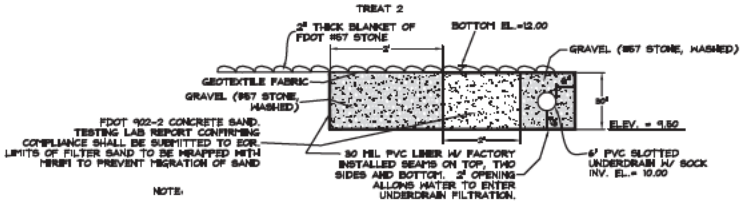
DRAWN	LCG
CHECKED	JFC
DATE	8/17/15
SCALE	AS SHOWN
JOB NO.	TSCA01
SHEET	7



ENDWALL DETAIL
N.T.S.







NOTE:

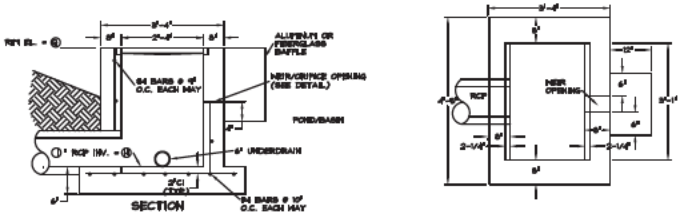
CONTRACTOR SHALL SUPPLY ENGINEER-OF-RECORD (EOR) WITH A PERMEABILITY ANALYSIS OF THE FILTER MATERIAL DELIVERED TO THE SITE PRIOR TO CONSTRUCTION OF THE UNDERDRAIN.

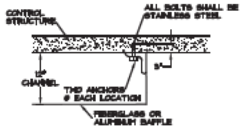
CALCIUM CARBONATE IS NOT AN ACCEPTABLE FILTER MATERIAL. FILTER MEDIA WILL HAVE A UNIFORMITY COEFFICIENT OF 1.5 OR GREATER AND HAVE AN EFFECTIVE GRAIN SIZE OF 0.20 MM TO 0.55 MM IN DIAMTER IN ACCORDANCE WITH THE S.W.F.W.M.D. CRITERIA

PERMEABILITY SHALL BE 5 FT/HR (MIN.)

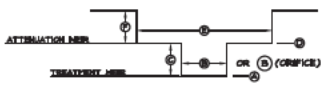
TESTING LAB REPORT CONFIRMING COMPLIANCE W/THESE REQUIREMENTS SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO PLACING WASHED FILTER SAND.

TREAT 2
UNDERDRAIN DETAIL
N.T.S.

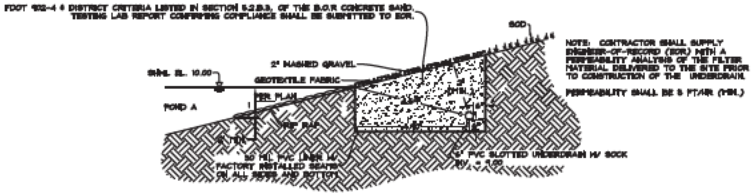




BAFFLE ANCHOR DETAIL



WEIR/ORIFICE OPENING



POND A
UNDERDRAIN DETAIL
N.T.S.

"WEIR INFORMATION"											
STRUCT. ID	(A) TREATMENT WEIR EL. (FT)	(B) TREATMENT WEIR WIDTH (FT)	(C) TREATMENT WEIR HEIGHT (FT)	(D) ATTENUATION WEIR 1 EL. (FT)	(E) ATTENUATION WEIR 1 WIDTH (FT)	(F) ATTENUATION WEIR 1 HEIGHT (FT)	(G) RIM EL. (FT)	(H) PIPE INVERT (FT)	(I) PIPE DIAMETER (IN)	UNDERDRAIN INV.
CS11	N/A	N/A	N/A	12.10	1.0	1.75	14.00	8.6	18"	10.00
CS15	N/A	N/A	N/A	11.30	1.0	3.10	15.70	8.9	18"	9.00

CONTROL STRUCTURE TABLE (MODIFIED FDOT D INLET)
N.T.S.

CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO THE START OF CONSTRUCTION

AVOLI Engineering, Inc.
Consulting Civil Engineers
8504 Beer Ridge Road, #325, Sarasota, FL 34233-3345
(941) 922-5447
Fax: (941) 922-5448
email: info@avoliengineering.com

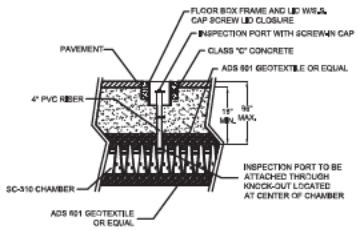
CLIENT: ENGLEWOOD VENTURES, LLC
PROJECT: GATEWAY SQUARE AND VILLAS
SHEET: STORMWATER MANAGEMENT DETAILS

NO.	REVISIONS	DATE	BY
1	PER COUNTY COMMENTS	4/13/16	LCG

JOHN F. CAVOLI P.E.
FL LICENSE NO.: 48692

DRAWN	JRR
CHECKED	JFC
DATE	8/17/15
SCALE	AS SHOWN
JOB NO.	TSCA01
SHEET	8

U.S. ARMY CORPS OF ENGINEERS
PERMIT APP NO: SAJ-2015-03168
DRAWING 10 OF 12 02/2017



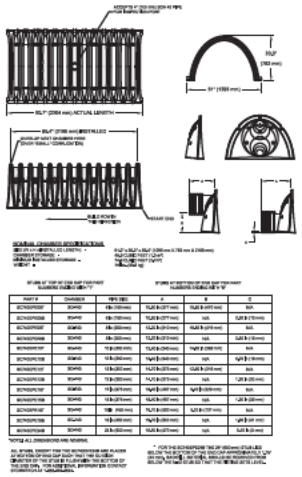
FOR STORMTECH INFORMATION CALL
1-888-892-2694

* NOTE: CHAMBER SYSTEM DESIGN MUST BE IN ACCORDANCE WITH STORMTECH DESIGN MANUAL

StormTech
Subsurface Stormwater Management
20 Beaver Road, Suite 104
Wethersfield, CT 06109
Phone: 888-892-2694
Fax: 866-328-8401
www.stormtech.com

INSPECTION PORT DETAIL

SCALE: NTS	CHECKED:
DATE:	JOB NO.:
DRAWN BY:	SHEET: 5F



PART #	CHAMBER	PIPE (IN)	A	B	C
SC740PE06	SC740	6in (150mm)	15.0 ft (4.57 m)	15.0 ft (4.57 m)	N/A
SC740PE08	SC740	8in (200mm)	15.0 ft (4.57 m)	15.0 ft (4.57 m)	1.25 ft (0.4 m)
SC740PE10	SC740	10in (250mm)	15.0 ft (4.57 m)	15.0 ft (4.57 m)	N/A
SC740PE12	SC740	12in (300mm)	15.0 ft (4.57 m)	N/A	1.25 ft (0.4 m)
SC740PE15	SC740	15in (400mm)	15.0 ft (4.57 m)	15.0 ft (4.57 m)	N/A
SC740PE18	SC740	18in (450mm)	15.0 ft (4.57 m)	N/A	1.25 ft (0.4 m)
SC740PE24	SC740	24in (600mm)	15.0 ft (4.57 m)	15.0 ft (4.57 m)	N/A
SC740PE30	SC740	30in (750mm)	15.0 ft (4.57 m)	15.0 ft (4.57 m)	1.25 ft (0.4 m)
SC740PE36	SC740	36in (900mm)	15.0 ft (4.57 m)	N/A	1.25 ft (0.4 m)
SC740PE48	SC740	48in (1200mm)	15.0 ft (4.57 m)	N/A	1.25 ft (0.4 m)

*NOTE: ALL DIMENSIONS ARE NOMINAL

ALL STONE, EXCEPT FOR THE INSPECTION AND PLACED AT MIDSPAN OF INLET SIDE THAT THE SLOPE DIRECTLY ON TOP OF THE STONE IS FLAT AND THE BOTTOM OF THE STONE IS FLAT AND THE BOTTOM OF THE STONE IS FLAT AND THE TOP

INLET PROTECTION
N.T.S.

DEWATERING BASIN / SEDIMENT SUMP DETAIL
N.T.S.

NOTE: SILT FENCE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED SILT FENCE (LF).

TYPE III SILT FENCE
N.T.S.

SEDIMENT & EROSION CONTROL PLAN (PER SECTION 6.9, APPENDIX A-19)

SECTION 5.9:
EROSION AND SEDIMENT CONTROL PLAN (ESCP). PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES AUTHORIZED WITH FINAL SITE PLAN AND CONSTRUCTION PLAN APPROVALS PURSUANT TO THIS CODE, THE DEVELOPER SHALL BE REQUIRED TO SUBMIT AN EROSION AND SEDIMENT CONTROL PLAN (ESCP) TO THE EPD FOR REVIEW AND APPROVAL. THE PLAN SHALL IDENTIFY CONSTRUCTION SEQUENCING, BEST MANAGEMENT PRACTICES (BMPS) TO MINIMIZE EROSION AND SEDIMENTATION AND TO MANAGE THE QUALITY AND QUANTITY OF STORMWATER RUNOFF DURING AND AFTER CONSTRUCTION, AND OTHER PRACTICES EMPLOYED TO MINIMIZE FUGITIVE PARTICULATE EMISSIONS DURING AND AFTER CONSTRUCTION. GENERALLY, PROJECTS THAT ARE GREATER THAN FIVE (5) ACRES AND SMALLER PROJECTS WITH MAJOR DISTURBANCES (I.E. STOCKPILING, EXCAVATION OF OVERSIZED LAKES, FILING OF LOTS, ETC.) ARE SUBJECT TO THIS REQUIREMENT. REDEVELOPMENT PROJECTS OR PROJECTS WITH MINOR IMPROVEMENTS MAY NOT BE SUBJECT TO THIS REQUIREMENT. THE EPD DIRECTOR OR DESIGNEE MAY, AT HIS/HER DISCRETION, WAIVE THIS REQUIREMENT ON A CASE BY CASE BASIS. THE ESCP SHALL AT A MINIMUM INCLUDE THE FOLLOWING INFORMATION:

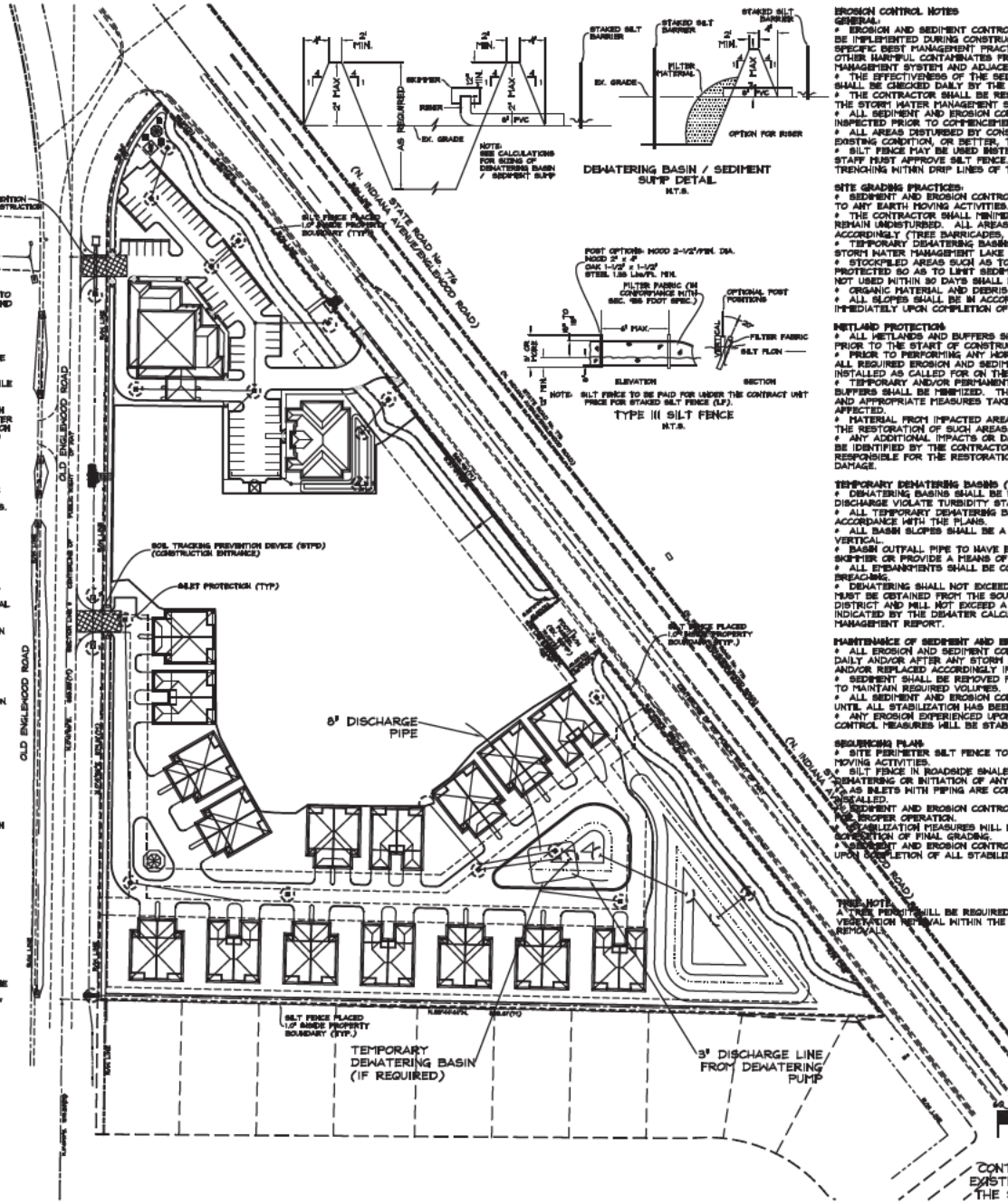
1. DETAILS OF CONSTRUCTION SEQUENCING, DEWATERING ACTIVITIES AND SUMP LOCATIONS, STOCKPILE AREAS AND/OR DEPOSITION AREAS FOR EXCAVATED MATERIALS.
   THE SEQUENCING PLAN SHALL PROCEED AS FOLLOWS: THE PERIMETER SILT FENCE SURROUNDING THE SITE SHALL BE INSTALLED PRIOR TO ANY EARTHMOVING ACTIVITIES. THE INLET PROTECTION ELEMENTS SHALL BE INSTALLED IMMEDIATELY FOLLOWING THE INSTALLATION OF THE STORM WATER INLETS WITH THEIR ASSOCIATED PIPING. UPON THE COMPLETION OF FINAL GRADING, STABILIZATION MEASURES WILL BE INITIATED. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE REMOVED AFTER STABILIZATION HAS TAKEN PLACE.
   A. DESCRIPTION OF LAND CLEARING/DISTURBING ACTIVITIES, EXISTING SITE CONDITIONS AND ADJACENT LAND USES/AREAS THAT MIGHT BE AFFECTED BY LAND CLEARING/DISTURBANCES. CLEARING AND GRUBBING WILL TAKE PLACE WITHIN THE SITE. EXISTING SITE CONDITIONS INCLUDE A VERY LEVEL SITE WITH TREES. TREE BARRICADES SHALL BE INSTALLED AS PER THE LANDSCAPE PLANS AROUND THE TREES TO BE SAVED.
   B. IDENTIFICATION OF STOCKPILE AREAS AND/OR DEPOSITION AREAS FOR EXCAVATED MATERIALS. ANY EXCAVATED MATERIAL FROM THE LAKE AREAS SHALL BE USED AS FILL ON THE SITE.
   C. DESCRIPTION OF POTENTIAL ON-SITE PROBLEM AREAS SUCH AS STEEP GRADE CHANGES, HIGHLY ERODIBLE SOILS, AREAS ADJACENT TO WETLANDS, SURFACE WATERS, OR UPLAND PRESERVATION AREAS.
   THE PROJECT AREA WILL CONTAIN AREAS ADJACENT TO WETLANDS, SURFACE WATERS, AND/OR UPLAND PRESERVATION AREAS.
   D. CONSTRUCTION SCHEDULING, INCLUDING THE EXPECTED STARTING AND STABILIZATION DATES. THE ANTICIPATED START DATE OF CONSTRUCTION IS JANUARY 2013 AND THE ANTICIPATED COMPLETION OF ALL STABILIZATION IS JANUARY 2014 OR WITHIN THREE YEARS OF APPROVAL OF THE PROPOSED SITE PLAN.
   E. IDENTIFICATION OF DISTURBED AREAS WHERE CONSTRUCTION WILL NOT BE ONGOING, AND FINAL GRADE WILL NOT BE ACHIEVED WITHIN FOURTEEN (14) DAYS, AND AN INDICATION OF TEMPORARY STABILIZATION MEASURES.
   ANY AREAS OR STOCKPILES THAT ARE TO BE LEFT UNDISTURBED FOR MORE THAN FOURTEEN (14) DAYS SHALL BE TEMPORARILY SEEDED.
2. DETAILS OF BEST MANAGEMENT PRACTICES AND FUGITIVE PARTICULATE ABATEMENT METHODS.
   A. DETAILS, DRAWINGS AND CROSS-SECTIONS OF EROSION AND SEDIMENT CONTROL DEVICES, IF DIFFERENT FROM THE APPROVED FINAL SITE PLAN/CONSTRUCTION PLANS, AND WHEN THEY WILL BE INSTALLED.
   SEE SEDIMENT/EROSION CONTROL PLAN IN THE FINAL SITE PLAN/CONSTRUCTION PLANS.
   B. MAINTENANCE PROGRAM FOR EROSION AND SEDIMENT CONTROL DEVICES INCLUDING INSPECTION FREQUENCY AND MAINTENANCE ACTIVITIES.
   EROSION AND SEDIMENTATION DEVICES SHALL BE INSPECTED DAILY TO ENSURE PROPER OPERATION AND AFTER EVERY STORM EVENT.
   C. HAUL ROUTES AND DETAILS OF APRON STABILIZATION AT INGRESS/EGRESS POINTS TO RIGHTS-OF-WAY.
   HAUL ROUTES WILL BE DETERMINED BY THE CONTRACTOR. APRON STABILIZATION AT INGRESS/EGRESS POINTS SHALL BE PER THE EROSION AND SEDIMENT CONTROL DEVICE AND PER THE APPROVED FINAL SITE PLAN/CONSTRUCTION PLANS.
   D. DETAILS/LOCATION OF EQUIPMENT WASHING AREA.
   THE EQUIPMENT WASHING AREA SHALL BE LOCATED AT THE EDGE OF THE PROPERTY LINE CLOSEST TO THE ENTRANCE/EXIT AREA. IT WILL CONSIST OF A SOIL TRACKING PREVENTION DEVICE PER FDOT INDEX 106.
   E. DETAILS OF FUGITIVE PARTICULATE ABATEMENT METHODS.
   FUGITIVE PARTICULATE SHALL BE CONTAINED BY THE MEASURES, MAINLY SILT FENCE, SHOWN ON THE PLANS. FURTHERMORE, IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE A CLEAN SITE BY MONITORING THE EFFECTIVENESS OF THE SILT FENCE AND WIND BLOWN PARTICLES. WATER TRUCKS ARE TO BE USED FOR DUST CONTROL DURING CONSTRUCTION.
   F. CONTRACTOR INFORMATION, INCLUDING A TWENTY-FOUR-HOUR, SEVEN-DAY CONTACT AND PHONE NUMBERS.
   TBD. WILL BE PROVIDED ONCE A CONTRACTOR HAS BEEN CHOSEN.
   G. DUST CONTROL METHODS.
   DURING CONSTRUCTION, DUST WILL BE CONTROLLED BY USING WATER TRUCKS AND/OR SPRINKLERS.
3. DETAILS OF DEWATERING ACTIVITIES AND LOCATIONS, DRAWINGS AND CROSS-SECTIONS OF DEWATERING SUMPS.
   SEE SEDIMENT/EROSION CONTROL PLAN IN THE FINAL SITE PLAN/CONSTRUCTION PLANS.
4. WATER QUALITY MONITORING PLAN AND MONITORING STATIONS (IF APPLICABLE).
   SEE PLAN FOR LOCATIONS.

THE DEVELOPER SHALL BE RESPONSIBLE FOR SCHEDULING AN ON-SITE MEETING WITH STAFF FROM THE MANATEE COUNTY ENVIRONMENTAL MANAGEMENT AND PROJECT MANAGEMENT DEPARTMENTS, THE ENGINEER OF RECORD AND THE CONTRACTOR. FINAL APPROVAL OF THE ESCP AND AUTHORIZATION OF CONSTRUCTION WILL BE GRANTED ONLY AFTER AN ON-SITE MEETING HAS BEEN CONDUCTED. NECESSARY REVISIONS, AS DETERMINED BY EPD STAFF, SHALL BE MADE PRIOR TO FINAL APPROVAL OF THE ESCP.

ANY CHANGES TO THE APPROVED ESCP MUST BE SUBMITTED TO THE EPD BY THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO IMPLEMENTATION. CHANGES THAT QUALIFY AS AN AMENDMENT TO THE FINAL SITE PLAN AND/OR CONSTRUCTION PLANS MUST BE APPROVED BY THE PLANNING DEPARTMENT PRIOR TO IMPLEMENTATION.

PRIOR TO SCHEDULING THE ON-SITE MEETING THE DEVELOPER SHALL:

1. OBTAIN ALL APPLICABLE APPROVALS (FINAL SITE PLAN, CONSTRUCTION PLANS, ENVIRONMENTAL RESOURCE PERMIT AND NPDES PERMIT).
2. STAKE THE BOUNDARIES OF THE WETLAND BUFFERS, UPLAND PRESERVATION AREAS OR OTHER ENVIRONMENTALLY SENSITIVE AREAS, AS INDICATED ON THE APPROVED FINAL SITE PLAN/CONSTRUCTION PLANS.
3. STAKE ALL SILT SCREEN LOCATIONS EVERY ONE HUNDRED (100) FEET, AS INDICATED ON THE APPROVED FINAL SITE PLAN/CONSTRUCTION PLANS.
4. SUCH ADDITIONAL MATERIAL AND INFORMATION AS THE DIRECTOR MAY REASONABLY REQUIRE



CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO THE START OF CONSTRUCTION

EROSION CONTROL NOTES
GENERAL:
- EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED DURING CONSTRUCTION BY THE CONTRACTOR. SITE SPECIFIC BEST MANAGEMENT PRACTICES SHALL PREVENT SEDIMENT AND OTHER HARMFUL CONTAMINATES FROM ENTERING THE STORM WATER MANAGEMENT SYSTEM AND ADJACENT PROPERTIES.
- THE EFFECTIVENESS OF THE SEDIMENT AND EROSION CONTROL PRACTICES SHALL BE CHECKED DAILY BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SILTATION ENTERING THE STORM WATER MANAGEMENT SYSTEM BOTH ON-SITE AND OFF-SITE.
- ALL SEDIMENT AND EROSION CONTROL MEASURES WILL BE VERIFIED AND INSPECTED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO THE EXISTING CONDITION, OR BETTER, TO THE SATISFACTION OF THE OWNER.
- SILT FENCE MAY BE USED INSTEAD OF TREE PROTECTION BARRICADES, STAFF MUST APPROVE SILT FENCE. FIELD ADJUST SILT FENCE TO AVOID TRENCHING WITHIN DRIP LINES OF TREES, USE OF HAY BALES PERMITTED.

SITE GRADING PRACTICES:
- SEDIMENT AND EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY EARTH MOVING ACTIVITIES.
- THE CONTRACTOR SHALL MINIMIZE IMPACT TO AREAS WHICH ARE TO REMAIN UNDISTURBED. ALL AREAS TO REMAIN SHALL BE PROTECTED ACCORDINGLY (TREE BARRICADES, ETC.).
- TEMPORARY DEWATERING BASINS SHALL BE CONSTRUCTED PRIOR TO STORM WATER MANAGEMENT LAKE EXCAVATION.
- STOCKPILED AREAS SUCH AS TOPSOIL SHALL BE PLACED AND PROTECTED SO AS TO LIMIT SEDIMENT RUNOFF. ANY STOCKPILED MATERIAL NOT USED WITHIN 30 DAYS SHALL BE STABILIZED.
- ORGANIC MATERIAL AND DEBRIS SHALL BE DISPOSED OF ACCORDINGLY.
- ALL SLOPES SHALL BE IN ACCORDANCE WITH THE PLANS AND STABILIZED IMMEDIATELY UPON COMPLETION OF FINAL GRADING.

WETLAND PROTECTION:
- ALL WETLANDS AND BUFFERS SHALL BE IDENTIFIED AND DELINEATED PRIOR TO THE START OF CONSTRUCTION.
- PRIOR TO PERFORMING ANY WORK WITHIN THE WETLAND DRAINAGE BASIN, ALL REQUIRED EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AS CALLED FOR ON THE PLANS.
- TEMPORARY AND/OR PERMANENT IMPACTS TO WETLANDS AND/OR BUFFERS SHALL BE MINIMIZED. THESE AREAS WILL BE CLEARLY DEFINED AND APPROPRIATE MEASURES TAKEN TO ENSURE NO ADDITIONAL AREAS ARE AFFECTED.
- MATERIAL FROM IMPACTED AREAS SHALL BE STOCKPILED AND USED IN THE RESTORATION OF SUCH AREAS.
- ANY ADDITIONAL IMPACTS OR DAMAGE TO WETLANDS AND BUFFER SHALL BE IDENTIFIED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RESTORATION OF THE ADDITIONAL IMPACTS OR DAMAGE.

TEMPORARY DEWATERING BASINS (IF REQUIRED):
- DEWATERING BASINS SHALL BE PROVIDED TO ENSURE NO OFF-SITE DISCHARGE VIOLATE TURBIDITY STANDARDS.
- ALL TEMPORARY DEWATERING BASINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS.
- ALL BASIN SLOPES SHALL BE A MAXIMUM OF 4:1 HORIZONTAL TO VERTICAL.
- BASIN OUTFALL PIPE TO HAVE EITHER A RISER STRUCTURE WITH SKIMMER OR PROVIDE A MEANS OF FILTERING WATER PRIOR TO DISCHARGE.
- ALL EMBANKMENTS SHALL BE COMPACTED AND STABILIZED TO PREVENT BREACHING.
- DEWATERING SHALL NOT EXCEED 120 DAYS OR A WATER USE PERMIT MUST BE OBTAINED FROM THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT AND WILL NOT EXCEED A DEWATER RATE OF 3.34 FPS OR AS INDICATED BY THE DEWATER CALCULATION IN THE STORM WATER MANAGEMENT REPORT.

MAINTENANCE OF SEDIMENT AND EROSION CONTROL PRACTICES:
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED DAILY AND/OR AFTER ANY STORM EVENT FOR INTEGRITY AND REPAIRED AND/OR REPLACED ACCORDINGLY IF SIGNS OF FAILURE ARE OBSERVED.
- SEDIMENT SHALL BE REMOVED FROM ALL SUMP AREAS AS NECESSARY TO MAINTAIN REQUIRED VOLUMES.
- ALL SEDIMENT AND EROSION CONTROL MEASURES WILL REMAIN IN PLACE UNTIL ALL STABILIZATION HAS BEEN COMPLETED.
- ANY EROSION EXPERIENCED UPON REMOVAL OF SEDIMENT AND EROSION CONTROL MEASURES WILL BE STABILIZED IMMEDIATELY.

SEQUENCING PLAN:
- SITE PERIMETER SILT FENCE TO BE INSTALLED PRIOR TO ANY EARTH MOVING ACTIVITIES.
- SILT FENCE IN ROADSIDE SWALES TO BE INSTALLED PRIOR TO DEWATERING OR INITIATION OF ANY RIGHT-OF-WAY IMPROVEMENTS.
- AS INLETS WITH PIPING ARE CONSTRUCTED, INLET PROTECTION WILL BE INSTALLED.
- SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSPECTED DAILY FOR PROPER OPERATION.
- STABILIZATION MEASURES WILL BE INITIATED IMMEDIATELY UPON COMPLETION OF FINAL GRADING.
- SEDIMENT AND EROSION CONTROL MEASURES WILL BE REMOVED ONLY UPON COMPLETION OF ALL STABILIZATION MEASURES.

TREE NOTE:
A TREE PERMIT WILL BE REQUIRED PRIOR TO ANY CONSTRUCTION, NATIVE VEGETATION REMOVAL WITHIN THE DRIPLINE OF A TREE, AND/OR TREE REMOVALS.

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CLIENT: ENGLEWOOD VENTURES, LLC
PROJECT: GATEWAY SQUARE AND VILLAS
SHEET: SEDIMENT/EROSION CONTROL PLAN/DETAILS

NO.	REVISIONS	DATE	BY

JOHN F. CAVOLI P.E.
FL LICENSE NO.: 45892

DRAWN	LCG
CHECKED	JFC
DATE	8/17/15
SCALE	1" = 60'
JOB NO.	TSCA01
SHEET	9

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