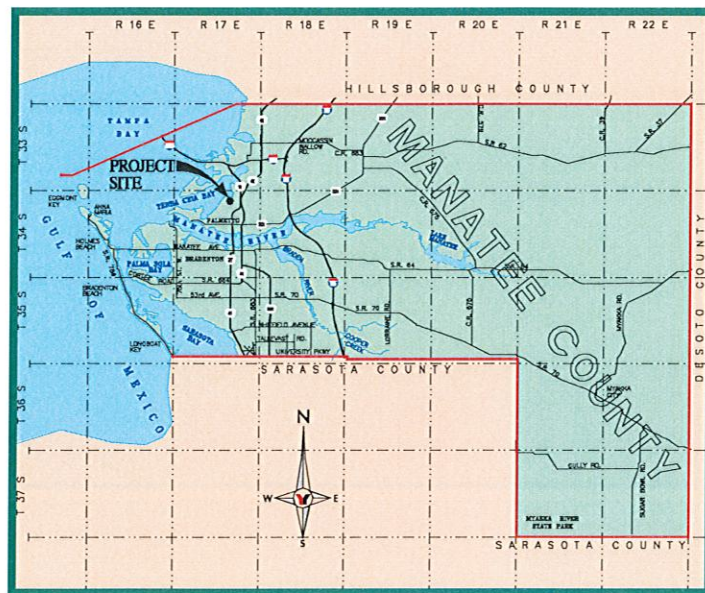


TERRA CEIA PALMS SUBDIVISION

JOE'S CREEK HOLDINGS 1, LLC
 6550 53rd STREET
 PINELLAS PARK, FLORIDA 33781

*Manatee 9/7/08 -
 DO Prelim site Plan*

CONSTRUCTION PLANS



LOCATION MAP

SECTION 2, TOWNSHIP 34 SOUTH, RANGE 17 EAST

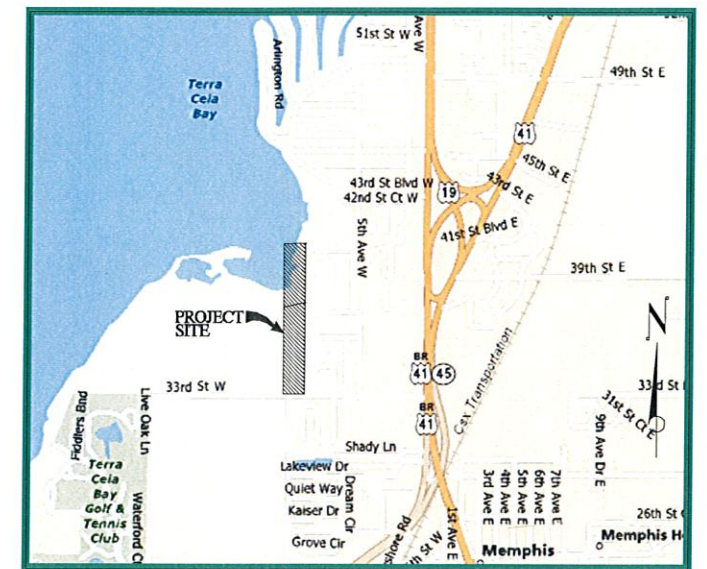


George F. Young, Inc.
 10540 PORTAL CROSSING, SUITE 105 BRADENTON, FLORIDA 34211
 PHONE (941) 747-2981 • FAX (941) 747-7234
 ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21
 ARCHITECTURE • ENGINEERING • ENVIRONMENTAL • LANDSCAPE • PLANNING • SURVEYING • UTILITIES
 GAINESVILLE • LAKEWOOD RANCH • ORLANDO • PALM BEACH GARDENS • ST. PETERSBURG • TAMPA • VENICE

PROJECT NO. 0671-0184-00
 INDEX OF DRAWINGS

SHEET	DESCRIPTION
	COVER SHEET
*C1	AERIAL SITE LOCATION PLAN
*C2	SITE DEVELOPMENT/CONSTRUCTION NOTES
*C3	FINAL SITE PLAN
C4	PRELIMINARY PLAT PLAN
*C5-C6	PAVING, GRADING AND DRAINAGE PLAN
*C7-C9A	PAVING, GRADING, AND DRAINAGE DETAILS
*C10	BEST MANAGEMENT PRACTICES DETAILS
*C10A	EROSION AND SEDIMENT CONTROL PLAN
C11	MASTER UTILITY PLAN
C12-C15	UTILITY PLAN AND PROFILE
C16	WATER SYSTEM DETAILS
C17	SANITARY SEWER DETAILS
C18	TEMPORARY TRAFFIC CONTROL PLAN (33rd ST. W.)

* INDICATES PLANS SUBMITTED TO SWFWMD



VICINITY MAP

Approval Type: CONSTRUCTION PLANS Project Name: TERRA CEIA PALMS SUBDIVISION

APPROVED: _____ Date _____ File Number _____

PROJECT PLANNER (PD) _____
 PROJECT ENGINEER (PD) _____
 CONCURRENCY (PD) _____
 ENVIRONMENTAL PLANNING (PD) _____
 ENVIRONMENTAL HEALTH _____
 FIRE DISTRICT _____
 OWNER/AGENT _____

ATTENTION: THE COMBINATION OF THIS SIGNED PLAN AND ACCOMPANYING APPROVAL LETTER CONSTITUTES THE COMPLETE APPROVAL DOCUMENT. BOTH DOCUMENTS SHOULD BE PROVIDED TO INTERESTED PARTIES AND SUBMITTED WITH ANY BUILDING PERMIT APPLICATION.

ALWAYS CALL 811 BEFORE DIGGING



48 HOURS BEFORE YOU DIG
 CALL SUNSHINE STATE
 ONE CALL OF FLORIDA, INC.
811 OR 1-800-432-4770
 IT'S THE LAW IN FLORIDA
 FL. STATUTE 556 REQUIRES A MINIMUM
 OF 2 DAYS AND MAX. OF 5 DAYS
 NOTICE BEFORE YOU EXCAVATE.

THESE PLANS COMPLY WITH APPLICABLE STANDARDS, INCLUDING THE MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS.

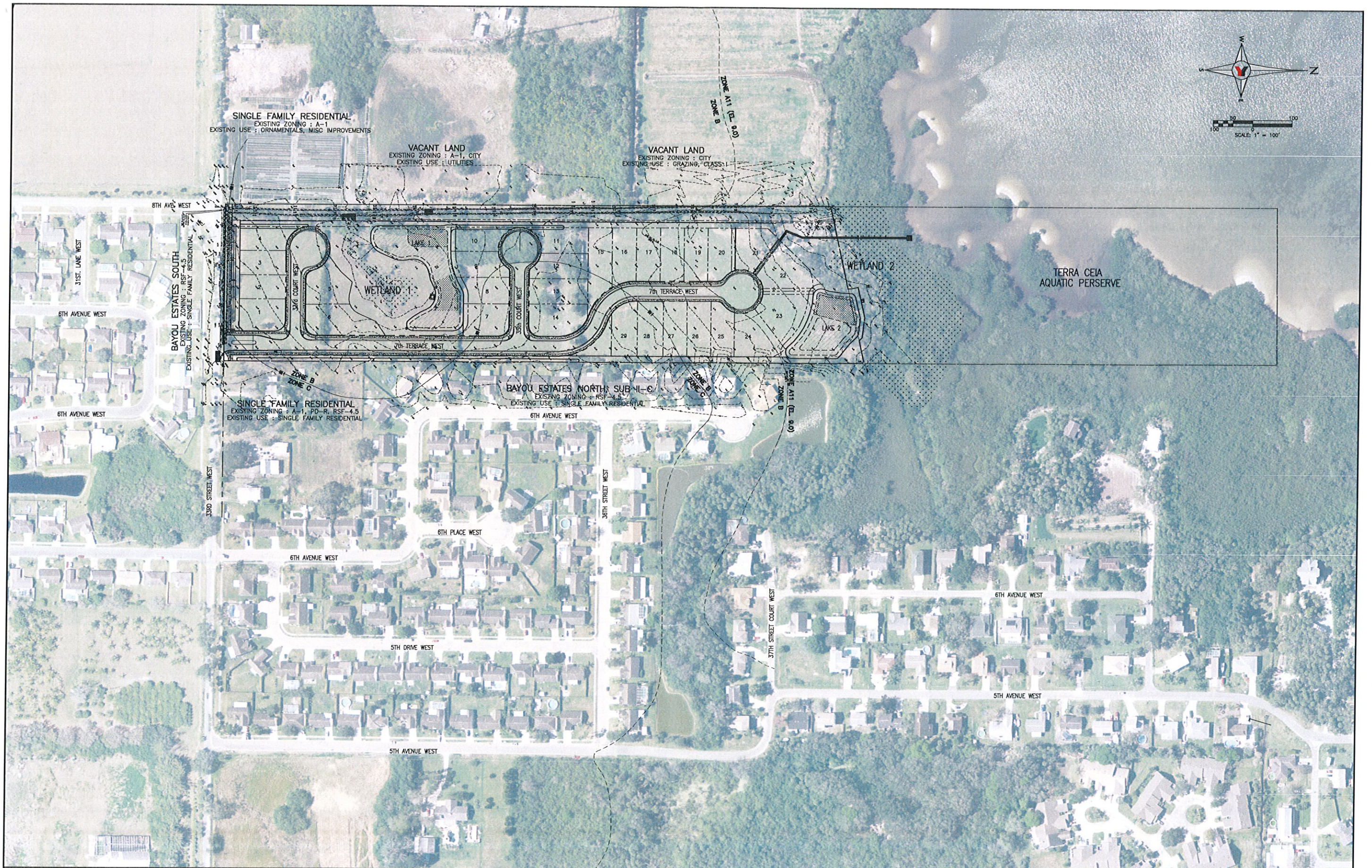
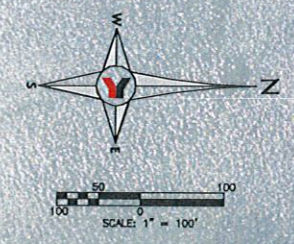
THESE PLANS ARE IN COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT (A.D.A.) MANUAL, AT CURBS, GUTTERS, SIDEWALKS, INTERSECTIONS, ETC.

THESE PLANS ARE IN COMPLIANCE WITH THE FLORIDA ACCESSIBILITY CODE AT CURBS, GUTTERS, SIDEWALKS, INTERSECTIONS, ETC.

APPROVED _____ NO. 16756 _____
 DATE _____

TERRA CEIA PALMS SUBDIVISION
 JOE'S CREEK HOLDINGS 1, LLC
 CONSTRUCTION PLANS

PROJECT NO. 0671-0184-00



NO.	BY	DATE	DESCRIPTION
1	PSN	4-15-08	PLAN REVISIONS PER SFWMD COMMENTS
2	DNS	6-06-08	REVISED PER SFWMD LETTER DATED MAY 6TH, 2008
3	PSN	10-22-08	PLAN REVISIONS PER MANATEE COUNTY LETTER DATED 9-15-08
4	DNS	01-16-09	PLAN REVISIONS PER MANATEE COUNTY LETTER DATED 9-17-08

NO.	BY	DATE	DESCRIPTION
5			
6			
7			
8			
9			
10			

George F. Young, Inc.
 10640 PORTAL CROSSING, SUITE 105 BRADENTON, FLORIDA 34211
 PHONE (841) 747-2981 FAX (841) 747-7234
 ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21
 ARCHITECTURE-ENGINEERING-ENVIRONMENTAL-LANDSCAPE-PLANNING-SURVEYING-UTILITIES
 SINCE 1919 DANESVILLE-LAKEWOOD RANCH-ORLANDO-PALM BEACH GARDENS-ST. PETERSBURG-TAMPA-VENICE

TASK	INITIALS	DATE
DESIGN	SEPK	3-01-07
DRAWN	SEPK	3-01-07
CHECKED	O'NEILL	
QUALITY CK.		
SCALE	1"=100'	

PREPARED FOR:
JOE'S CREEK HOLDINGS I, LLC
 6550 53rd STREET
 PINELLAS PARK, FLORIDA 33781

TERRA CEIA PALMS SUBDIVISION
AERIAL SITE PLAN
 SECTION 2, TOWNSHIP 34 S., RANGE 17 E.

JOB NO. 0671018400
 SHEET NO. C1

REZONING STIPULATIONS:

- THE NOTICE TO BUYERS SHALL BE INCLUDED IN THE DECLARATION OF COVENANTS AND RESTRICTIONS, AND IN A SEPARATE ADDENDUM TO THE SALES CONTRACT, AND IN THE FINAL SITE PLAN AND SHALL INCLUDE LANGUAGE INFORMATION PROSPECTIVE HOME BUYERS OF THE FOLLOWING:
 - THAT THEY ARE PURCHASING A HOME IN A FLOOD PRONE AREA AND WITHIN THE COASTAL HIGH HAZARD, COASTAL EVACUATION, AND COASTAL STORM VULNERABILITY AREAS.
 - THAT SPECIFIC STANDARDS AND ADDITIONAL COSTS MAY BE ASSOCIATED WITH THE DEVELOPMENT OF THIS PROJECT.
 - THE USE OF SPECIAL ASSESSMENTS WITHIN THE CH OVERLAY DISTRICT TO RECOUP EXPENDITURES FOR REPAIR OF STORM RELATED DAMAGE TO PUBLIC AND PRIVATE INFRASTRUCTURE WITHIN A REASONABLE TIME MAY OCCUR.
 - THAT A HURRICANE EVACUATION PLAN APPROVED BY THE PUBLIC SAFETY DEPARTMENT FOR THIS PROJECT EXISTS FOR THIS PROJECT.
 - A HAZARD DISCLOSURE STATEMENT GENERALLY DESCRIBING THE PROPERTY'S RELATIVE PROBABILITY OF DAMAGE FROM FLOODWATERS. THIS DISCLOSURE SHALL ALSO LIST POTENTIAL MITIGATION STRATEGIES INCLUDING ELEVATION, WHERE THE BUILDER HAS EXCEEDED FLOOD PLAIN CONSTRUCTION STANDARDS, AND OTHER POTENTIAL MEASURES TO INCREASE SAFETY.
- THE ROADWAY BUFFER ALONG 33rd STREET WEST SHALL BE A MINIMUM OF 20' WIDE AND PLANTED WITH ONE ROW OF CANOPY TREES OF 3" CALIPER, AT LEAST 12 FEET IN HEIGHT, AND SPACED 25' ON CENTER WITH THE REQUIRED HEDGE. ALSO, ANY WALL OR FENCING PROPOSED SHALL BE PLACED AT THE REAR PROPERTY LINE OF THE LOTS.
- THE GREENBELT BUFFER SHALL BE A MINIMUM 15' WIDE, AND PLANTED WITH ONE ROW OF CANOPY TREES, AT LEAST 12 FEET IN HEIGHT, AND SPACED 25' ON CENTER WITH A REQUIRED HEDGE. ALSO, ANY WALL OR FENCING PROPOSED SHALL BE PLACED AT THE REAR PROPERTY LINE OF THE LOTS.
- A 30' WATERFRONT SETBACK SHALL BE REQUIRED.
- MAXIMUM BUILDING HEIGHT SHALL BE 35' ABOVE FLOOD PROTECTION ELEVATION.
- AT BUILDING PERMIT APPLICATION, IF STRUCTURE IS DETERMINED TO BE IN THE A-11 ZONE, A FLOOD PLAIN MANAGEMENT PERMIT AND DISCLOSURE STATEMENT (ON THE LIMITATIONS ON USE BELOW THE FPE) WILL BE REQUIRED. A SEALED SURVEY WITH ALL PERTINENT FLOOD ZONE INFORMATION IS REQUIRED. ON LOTS WITH MORE THAN ONE FLOOD ZONE, THE FLOOD PLAIN BOUNDARY SHALL BE DELINEATED.
- NO STEM WALL CONSTRUCTION SHALL BE PERMITTED FOR LOTS 21-24. ALSO, NO FILL SHALL BE USED AS STRUCTURAL SUPPORT.
- INTERNAL ROADS AND UTILITIES WITHIN THE PROJECT SHALL BE PRIVATE.
- THE FINAL PLAT SHALL INCLUDE A 5' WIDE NON-VEHICULAR INGRESS/EGRESS EASEMENT ALONG 33rd STREET WEST.
- ANY ADDITIONAL LAND CLEARING SHALL NOT COMMENCE UNTIL BOTH A FINAL SITE PLAN AND CONSTRUCTION PLANS HAVE BEEN APPROVED. IF BURNING OF TREES OR BRANCHES IS REQUIRED FOR LAND CLEARING, A PERMIT FOR OPEN BURNING WILL NOT BE ISSUED UNTIL FINAL SITE PLANS AND CONSTRUCTION PLANS HAVE BEEN APPROVED.
- IN GROUND IRRIGATION USING MANATEE COUNTY PUBLIC POTABLE WATER SUPPLY SHALL BE PROHIBITED, INCLUDING ON INDIVIDUAL LOTS. THIS PROJECT SHALL UTILIZE LOWEST WATER QUALITY SOURCE AVAILABLE FOR IRRIGATION.
- NO INDIVIDUAL LOTS SHALL BE PLATTED INTO WETLANDS, WETLAND BUFFERS, OR STORMWATER RETENTION PONDS.
- ANY SIGNIFICANT HISTORICAL OR ARCHAEOLOGICAL RESOURCES DISCOVERED DURING DEVELOPMENT ACTIVITIES SHALL BE IMMEDIATELY REPORTED TO THE FLORIDA DIVISION OF HISTORICAL RESOURCES AND TREATMENT OF SUCH RESOURCES AND MANATEE COUNTY. TREATMENT OF THE RESOURCES MUST BE COMPLETED BEFORE RESOURCE DISTURBING ACTIVITIES ARE ALLOWED TO CONTINUE. IF HUMAN REMAINS ARE ENCOUNTERED, THE PROVISIONS CONTAINED IN CHAPTER 872, FLORIDA STATUTES SHALL BE FOLLOWED.
- ON-SITE MONITORING BY A PROFESSIONAL ARCHAEOLOGIST SHALL TAKE PLACE DURING ALL INFRASTRUCTURE INSTALLATION THROUGH WETLAND AREAS.
- NO BOAT DOCKS OR BOAT SLIPS SHALL BE PERMITTED FOR THIS PROJECT.
- THE PROPOSED BOARDWALK SHALL BE ACCESSED THROUGH A 10' WIDE COMMON AREA BETWEEN LOTS 20 AND 21. A 5' WIDE SIDEWALK SHALL EXTEND TO THE WETLAND BUFFER. ALSO, A HEDGE SHALL BE INSTALLED WITHIN THE COMMON AREA ON BOTH SIDES OF THE SIDEWALK BETWEEN LOTS 20 AND 21.
- ALL WATER AND SANITARY SEWER MAINS, FACILITIES TO BE DEDICATED TO MANATEE COUNTY PERPETUAL MAINTENANCE, SHALL LIE WITHIN DEDICATED UTILITY EASEMENTS AS DESCRIBED IN COUNTY RESOLUTION R-99-115.
- NO CONSTRUCTION ACTIVITY SHALL OCCUR ON SUNDAYS OR HOLIDAYS. ON ALL OTHER DAYS CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE HOURS BETWEEN 7:00 A.M. AND SUNDOWN.
- THE OBSERVATION DECK IS SUBJECT TO FEDERAL, STATE, AND LOCAL PERMITTING REQUIREMENTS AT THE TIME OF BUILDING PERMIT ISSUANCE, AND SHALL INCLUDE RAILINGS AND "NO MOORING SIGNS". SPECIFIC DETAILS OF THE PROPOSED OBSERVATION DECK SHALL BE INCLUDED IN THE FINAL SITE PLAN.
- A DRAINAGE MODEL AND CONSTRUCTION PLAN SHALL DEMONSTRATE THAT NO ADVERSE IMPACTS SHALL BE CREATED TO NEIGHBORING RESIDENTS SURROUNDING THE SITE IN RESPECT TO DRAINAGE ROUTING, GRADING, AND RUN OFF.
- A DRAINAGE EASEMENT SHALL BE DEDICATED TO MANATEE COUNTY AND BE SHOWN ON THE FINAL SITE PLAN AND FINAL PLATS FOR THE EXISTING DRAINAGE DITCH ALONG THE WESTERN PROJECT BOUNDARY. IN ADDITION, A DRAINAGE MAINTENANCE ACCESS EASEMENT SHALL BE ON CLEAR AND LEVEL GROUND, FREE OF OBSTRUCTIONS INCLUDING LANDSCAPING. MANATEE COUNTY IS ONLY RESPONSIBLE FOR MAINTAINING THE FREE FLOW OF DRAINAGE THROUGH THESE SYSTEMS.
- THE FRONT SETBACK SHALL BE TWENTY-FIVE (25) FEET AS REPRESENTED IN THE HEARING.

GENERAL NOTES

- ALL DESIGN AND CONSTRUCTION MUST CONFORM TO THE MINIMUM STANDARDS SET DOWN IN THE MANATEE COUNTY LAND DEVELOPMENT ZONING AND/OR RELATED ORDINANCES.
- ALL CONSTRUCTION SHALL CONFORM TO THE METHODS, STANDARDS AND SPECIFICATIONS OF MANATEE COUNTY AND ALL APPLICABLE AGENCIES.
- CONSTRUCTION OF PAVEMENT WITHIN RIGHT-OF-WAY MUST COMPLY WITH THE APPLICABLE MANATEE COUNTY LAND DEVELOPMENT ORDINANCE ON TYPE OF ROAD; ARTERIAL, COMMERCIAL, SUBDIVISION, ETC. AND COMPLY WITH THE MANATEE COUNTY MINIMUM TESTING FREQUENCY REQUIREMENTS (LATEST EDITION).
- THE CONSTRUCTION OF PAVEMENT WITHIN MANATEE COUNTY RIGHT-OF-WAY MUST MEET THE FOLLOWING CRITERIA: ASPHALTIC CONCRETE: PC-1 (1 1/2"), BASE: 8" COMPACTED TO 98% MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180. SUBBASE: 12" TO LBR 40.
- CONTRACTOR TO OBTAIN APPROPRIATE PERMITS FOR WORK ON SITE AND IN THE RIGHT-OF-WAYS PRIOR TO BEGINNING CONSTRUCTION.
- CONTRACTOR TO NOTIFY ALL UTILITIES FORTY-EIGHT (48) HOURS PRIOR TO DEMOLITION AND/OR EXCAVATION, INCLUDING THE LOCAL GAS COMPANY IN ACCORDANCE WITH F.S. 553.851. CALL "SUNSHINE STATE ONE CALL SYSTEM" 1-800-432-4770 SO THAT UNDERGROUND UTILITIES MAY BE FIELD LOCATED.
- ALL UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR TO VERIFY AND COORDINATE WITH THE COUNTY, T.E.C.O., GENERAL TELEPHONE, PEOPLES GAS, ETC. FOR THE REMOVAL OR RELOCATION OF ANY OF THESE FACILITIES.
- ALL SOIL EXCAVATION, BACKFILL, AND USAGE TO BE DONE UNDER THE RECOMMENDATIONS OF A CERTIFIED SOIL TESTING LABORATORY.
- ALL BACKFILL OVER ANY PIPE (STORM, SEWER, WATERLINE, SANITARY SEWER) THAT IS TO BE INSTALLED UNDER ROADWAYS OR WITHIN THE EMBANKMENT, ETC. OF THE ROADWAY IS TO BE COMPACTED PER DEPARTMENT OF TRANSPORTATION SPECIFICATIONS, SECTION 125.B.3, 1982 EDITION. THIS PARTICULAR SECTION SPECIFIES COMPACTION TO 100% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-99.
- ALL UNDERGROUND UTILITIES INCLUDING CONDUIT FOR UTILITY AND IRRIGATION CROSSINGS SHALL BE INSTALLED PRIOR TO PAVEMENT CONSTRUCTION.
- THE CONTRACTOR SHALL PROVIDE ALL BRACING, SHEETING OR SHORING NECESSARY TO CONSTRUCT AND PROTECT ANY EXCAVATION AGAINST COLLAPSING. TRENCHES SHALL BE KEPT DRY WHILE PIPE IS BEING LAID. DEWATERING SHALL BE PROVIDED WHERE NECESSARY. PIPE WILL BE ON DRY, UNDISTURBED SOIL. WET UNSUITABLE MATERIAL WILL BE REPLACED WITH COMPACTED SELECT BACKFILL MATERIAL. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE TRENCH SAFETY ACT CHAPTER 90-96 (DS/SB 2826) OF THE FLORIDA STATUTES FOR ALL EXCAVATION TO A DEPTH IN EXCESS OF FIVE (5) FEET.
- CONTRACTOR TO MAKE FIELD ADJUSTMENT, AS NECESSARY, WITH THE APPROVAL OF THE OWNER, ENGINEER AND MANATEE COUNTY WHEN REQUIRED.
- ALL ELEVATIONS REFER TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929; MEAN SEA LEVEL = 0.00 AS PROVIDED BY JOHN C. BRENDLA AND ASSOCIATES, INC. PROJECT BENCH MARK #1295 (FOOT) EL. = 14.996' NGVD.
- CONTRACTOR TO VERIFY ALL PLAN DIMENSIONS AND SITE CONDITIONS, NOTIFY COMPANY REPRESENTATIVE TO ANY DISCREPANCIES BETWEEN SITE CONDITIONS AND INFORMATION SHOWN ON DRAWINGS PRIOR TO COMMENCING WORK.
- ALL PROPOSED WORK IN COUNTY RIGHT-OF-WAY MUST COMPLY WITH F.D.O.T. INDEX NO. 700.
- ALL RIGHT-OF-WAY INSTALLATIONS WILL COMPLY WITH THE STATE OF FLORIDA UTILITIES ACCOMMODATIONS GUIDE.
- ALL PROPOSED WORK MUST COMPLY WITH THE MANATEE COUNTY LAND DEVELOPMENT ORDINANCES AND MINIMUM TESTING FREQUENCY REQUIREMENTS.
- SIGNS AND BARRICADES TO BE ACCORDING TO F.D.O.T. MANUAL OF SAFE PRACTICES; REFERENCE F.D.O.T. INDEXES 600 THROUGH 650 AND 17348 PER ROADWAY AND TRAFFIC DESIGN STANDARDS LATEST EDITION OR P.C. INDEXES 100 THROUGH 116. A "MAINTENANCE OF TRAFFIC PLAN" MUST BE SUBMITTED TO AND APPROVED BY MANATEE COUNTY TRAFFIC ENGINEERING PRIOR TO THE COMMENCEMENT OF CONSTRUCTION WHENEVER ONE OR MORE OF THE FOLLOWING CONDITIONS ARE MET:
 - STREET IS CLOSED TO THRU-TRAFFIC FOR PERIODS EXCEEDING 15 MINUTES.
 - ONE PHYSICAL LANE SUPPORTS TWO-WAY TRAFFIC MOVEMENT.
 - TRAFFIC LANE(S) NORMALLY DESIGNED TO HANDLE MOVEMENT IN ONE DIRECTION ARE BEING RECHANNELLED TO ACCOMMODATE AN OPPOSING MOVEMENT.
- DISTURBED AREA WITHIN THE RIGHT-OF-WAY WILL BE COMPACTED TO 100% OF MAXIMUM DENSITY AND SODDED.
- SIDEWALK WIDTH: 6' WHEN AGAINST ROADWAY EDGE AND 5' WHEN NOT AT ROADWAY THICKNESS: 4" EXCEPT AT DRIVEWAYS 6" REINFORCED WITH 6"x6"x NP/10 W.W.F. ACROSS WIDTH OF DRIVEWAYS MATERIAL: MIN. 3000 P.S.I. CONCRETE
- REINFORCING SHALL BE BILLET STEEL BARS CONFORMING TO ASTM A615 GRADE 40 OR BETTER.
- ALL CONCRETE TO BE MIN. 3000 PSI AND TESTED PER MANATEE COUNTY REGULATIONS.
- ALL EXISTING CONDITIONS BASED ON SURVEY PROVIDED BY: JOHN C. BRENDLA AND ASSOCIATES, INC., REVISE DATED 03-08-03, JOB # 0010-81, FB 778 PG 1-13.
- ALL SIGNS SHALL BE IN ACCORDANCE WITH MANATEE COUNTY LDC SECTION 724.

POTABLE WATER NOTES

- SHUTDOWN PERIOD OF EXISTING WATER LINES SHALL NOT EXCEED THREE (3) HOURS.
- CONTRACTOR SHALL NOTIFY ALL MANATEE COUNTY CUSTOMERS AFFECTED BY SHUTDOWN.
- CONTRACTOR SHALL PROVIDE BACTERIOLOGICAL TESTING AS REQUIRED BY THE MANATEE COUNTY DEPARTMENT OF HEALTH AND OBTAIN THEIR RELEASE, AS DIRECTED, PRIOR TO WATER LINE USE.
- VERTICAL ADJUSTMENT OF WATER MAINS SHALL INCLUDE FURNISHING AND INSTALLING UP TO 40 LINEAR FEET OF NEW PIPE AND APPURTENANCE. DEWATERING, NOTIFICATION OF CUSTOMERS, THRUST BLOCKS AND ELSE NECESSARY TO RETURN THE MAIN TO SERVICE. ADDITIONAL PAYMENT FOR WATER MAIN INSTALLATION MAY BE A SEPARATE PAY ITEM, AS APPROVED.
- ALL DOMESTIC WATER PIPING 4" AND LARGER TO BE PVC CLASS 150, C-900 DR 18. ALL PIPE 3" & SMALLER SHALL BE ASTM 2241, 200 PSI, SDR 21 PIPE WITH PUSH ON JOINTS. ALL WATER INSTALLATION TO CONFORM TO MANATEE CO WATER STANDARDS AND REGULATIONS.

PROJECT CONTACT LIST:

SITE OWNER/DEVELOPER:	JOE'S CREEK HOLDINGS 1, INC. 6550 53rd STREET PINELLAS PARK, FLORIDA 33781 PHONE: (_____) _____	
CIVIL ENGINEERING:	GEORGE F. YOUNG, INC. 10540 PORTAL CROSSING, SUITE 105 BRADENTON, FLORIDA 34211 PHONE: (813) 747-2881 FAX: (813) 747-7234	JOSEPH O'NEILL, P.E. EMAIL: joneill@georgeyoung.com
SURVEYOR:	JOHN C. BRENDLA AND ASSOCIATES, INC. 4015 82ND AVENUE NORTH PINELLAS PARK, FLORIDA 33781 PHONE: (727) 578-7546 FAX: (727) 577-9932	JOHN C. BRENDLA, PSM #LS1288
LANDSCAPE ARCHITECT:	GEORGE F. YOUNG, INC. 10540 PORTAL CROSSING, SUITE 105 BRADENTON, FLORIDA 34211 PHONE: (813) 747-2881 FAX: (813) 747-7234	MARY KANE EMAIL: kane@georgeyoung.com
GENERAL CONTRACTOR:	TO BE DETERMINED	

SITE DATA NOTES:

- AS PER FEMA FLOOD MAP PANEL NO. 120153 0187 B, REVISED 3/15/84 PROPERTY LIES WITHIN FLOOD ZONE C, B, A11 (EL. 9).
- PROPOSED FINISHED FLOOR ELEVATION PER PLAN.
- THE WATER DISTRIBUTION AND SANITARY SEWER COLLECTION SYSTEM CONSTRUCTION SHALL BE IN ACCORDANCE WITH MANATEE COUNTY STANDARDS.
- THE FOLLOWING PERTAINS TO SEDIMENT AND EROSION CONTROL/BEST MANAGEMENT PRACTICES (BMP'S) 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 STORMWATER 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 DETENTION 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 FACILITIES CONTAINED HEREIN HAVE BEEN DESIGNED FOR HANDICAP ACCESSIBILITY IN ACCORDANCE WITH BOTH THE FLORIDA ACCESSIBILITY CODE 1997 EDITION AND THE AMERICAN DISABILITY ACT STANDARDS.

SANITARY SEWER NOTES

- THE CONTRACTOR SHALL PROVIDE ALL BRACING, SHEETING OR SHORING NECESSARY TO CONSTRUCT AND PROTECT THE EXCAVATION AGAINST COLLAPSING. TRENCHES SHALL BE KEPT DRY WHILE PIPE IS BEING LAID. DEWATERING SHALL BE PROVIDED WHERE NECESSARY.
- A LATERAL SEPARATION OF 10 FEET WILL BE MAINTAINED BETWEEN THE WATER MAIN AND SEWER PIPE. IN CASE OF A CROSSING A VERTICAL SEPARATION OF NOT LESS THAN 18" WILL BE MAINTAINED.
- PIPE WILL BE LAID ON DRY UNDISTURBED SOIL. WET UNSUITABLE MATERIAL WILL BE REPLACED WITH COMPACTED SELECT BACKFILL MATERIAL.
- MANHOLE COVER AND FRAME WITH THE WORDS "SANITARY SEWER" CAST IN THE COVER, U.S. FOUNDRY CAT. NO. 485-G OR NO. 655-U OR EQUAL.
- BRICK MANHOLE STRUCTURES MAY BE USED INSTEAD OF PRECAST WITH APPROVAL OF THE MANATEE COUNTY ENGINEERING DEPARTMENT.
- RIM ELEVATION WILL BE ADJUSTED SLIGHTLY SO THE RIM DOES NOT PROTRUDE ABOVE ADJACENT GROUND.
- MANHOLE TO REST ON DRY UNDISTURBED SOIL. OTHERWISE MANHOLE SHALL BE PLACED ON 12" OF COMPACTED CRUSHED ROCK, F.D.O.T. NO. 57.
- BACKFILL MATERIAL WILL BE SOULIDY TAMPED AROUND THE PIPES IN 6" LAYERS UP TO A LEVEL AT LEAST ONE FOOT ABOVE THE TOP OF THE PIPE. IN AREAS TO BE PAVED, BACKFILL WILL BE COMPACTED TO 98% OF MAXIMUM DENSITY TO THE PROPOSED PAVEMENT.
- ALL CONCRETE WILL HAVE A MINIMUM ULTIMATE STRENGTH OF 3000 PSI WITHIN 28 DAYS.
- PVC FORCE MAIN 4" OR GREATER SHALL BE CLASS 150, C-900, DR-18. PVC PIPE 3" AND SMALLER SHALL BE ASTM D2241, 200 PSI, SDR 21 PIPE WITH PUSH ON JOINTS, WITH A MINIMUM COVER OF 36".
- ALL PIPING TO MAINTAIN MINIMUM COVER OF 36".
- ALL FORCE MAINS SHALL BE HYDROSTATICALLY PRESSURE TESTED FOR A PERIOD OF NOT LESS THAN 2 HOURS AT 150 PSI WITH AN ALLOWABLE LEAKAGE NOT TO EXCEED THE FORMULA L=50 P/133, 200.
- ALL GRAVITY SANITARY SEWER PIPE SHALL COMPLY WITH ASTM D 3034, SDR 26 AND MEET ALL MANATEE CO. SEWER DEPARTMENT STANDARDS AND REQUIREMENTS.

PAVING, GRADING, AND DRAINAGE NOTES

- PROTECTION OF EXISTING STORM SEWER SYSTEMS: DURING CONSTRUCTION, ALL STORM SEWER INLETS IN THE VICINITY OF THE PROJECT SHALL BE PROTECTED BY SEDIMENT TRAPS SUCH AS SECURED HAY BALES, SOD, STONE, ETC., WHICH SHALL BE MAINTAINED AND MODIFIED AS REQUIRED BY THE CONSTRUCTION PROCESS (SEE F.D.O.T. INDEX NO. 102).
- SEDIMENT TRAPPING MEASURES: SEDIMENT BASINS AND TRAP, PERIMETER BERMS, FILTER FENCES, BERMS SEDIMENT BARRIERS, VEGETATIVE BUFFERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT AND PREVENT THE TRANSPORT OF SEDIMENT ONTO ADJACENT PROPERTIES, OR INTO EXISTING WATER BODIES, MUST BE INSTALLED, CONSTRUCTED OR IN THE CASE OF VEGETATIVE BUFFERS, PROTECTED FROM DISTURBANCE, AS A FIRST STEP IN THE LAND ALTERATION PROCESS.
- MAINTENANCE: ALL EROSION AND SILTATION CONTROL DEVICES SHALL BE CHECKED REGULARLY, ESPECIALLY AFTER EACH RAINFALL, AND WILL BE CLEANED OUT AND/OR REPAIRED AS REQUIRED.
- ALL PRACTICABLE AND NECESSARY EFFORT SHALL BE TAKEN DURING CONSTRUCTION TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT MATERIAL TO WETLANDS AND CHANNEL AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RESTORATION EFFORTS THAT MAY BE REQUIRED.
- GRADES NOT TO EXCEED 4:1 RATIO WITHOUT NOTIFICATION AND APPROVAL OF OWNER AND ENGINEER.
- CONTRACTOR TO INSPECT EXISTING RCP STORM PIPE AND MITERED END SECTIONS FOR OBSTRUCTIONS AND PROCEED WITH CLEANING UPON NOTIFICATION TO OWNER AND ENGINEER.
- ALL ROOF RUNOFF MUST BE CONTROLLED AND DIRECTED TOWARDS THE DETENTION AREA.

NO.	BY	DATE	DESCRIPTION
1	PSN	4-15-08	PLAN REVISIONS PER SHW#3 COMMENTS
2	DNS	6-06-08	REVISED PER SHW#3 LETTER DATED MAY 8TH, 2008
3	PSN	10-22-08	PLAN REVISIONS PER MANATEE COUNTY LETTER DATED 9-15-08
4	DNS	01-16-09	PLAN REVISIONS PER MANATEE COUNTY LETTER DATED 9-17-08
5	DNS	3-30-09	REVISED PER 3-16-09 STORM WATER LETTER AND PLANNING DEPT. LETTER

NO.	BY	DATE	DESCRIPTION
6			
7			
8			
9			
10			



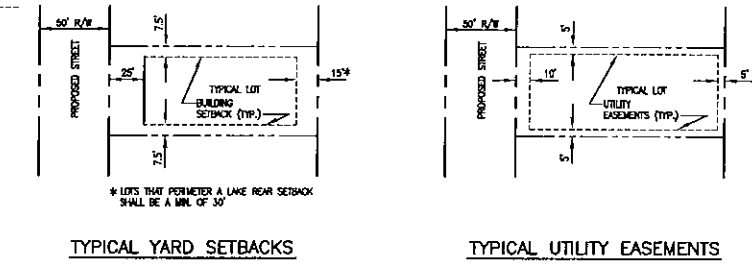
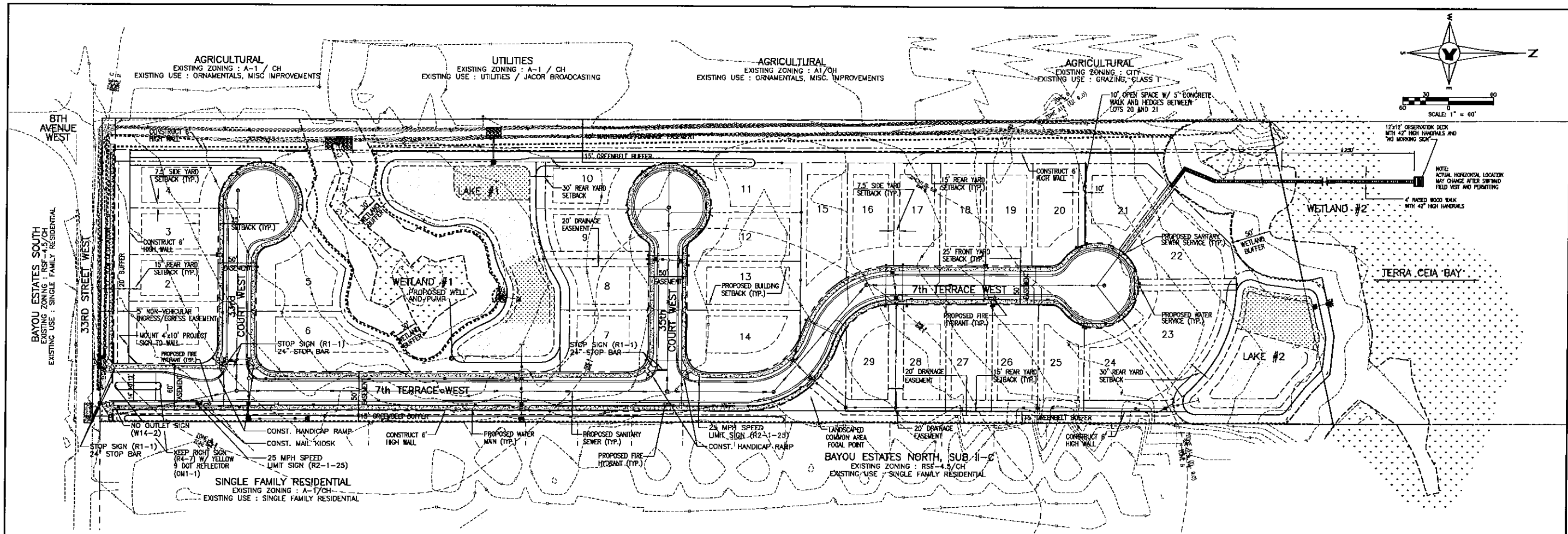
George F. Young, Inc.
10540 PORTAL CROSSING, SUITE 105, BRADENTON, FLORIDA 34211
PHONE: (813) 747-2881
FAX: (813) 747-7234
ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21
ARCHITECTURE/ENGINEERING/ENVIRONMENTAL/LANDSCAPE PLANNING/SURVEYING/UTILITIES
SINCE 1918 ONE-SVILLE-LAKEWOOD RANCH-ORLANDO-PALE BEACH-GARDEN ST. PETERSBURG-TAMPA-VENICE

TASK	INITIALS	DATE
DESIGN	JSY	3-01-07
DRAWING	JSY	3-01-07
CHECKED	JSY	
SCALE		
DATE		

PREPARED FOR:
JOE'S CREEK HOLDINGS 1, LLC.
6550 53rd STREET
PINELLAS PARK, FLORIDA 33781

TERRA CEIA PALMS SUBDIVISION
SITE DEVELOPMENT/CONSTRUCTION NOTES
SECTION 2, TOWNSHIP 34 S., RANGE 17 E.

JOB NO.
0671018400
SHEET NO.
C2



FINAL SITE PLAN STANDARDS:

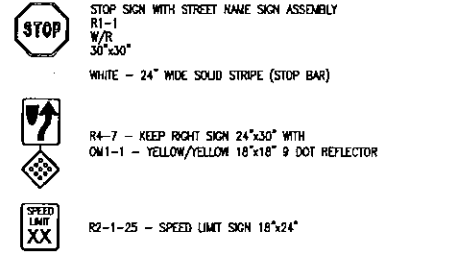
- PROJECT SITE:** TERRA CEIA PALMS
ADDRESS: 720 33RD STREET WEST
PARCEL ID: 2380500067
EXISTING ZONING: PDR/CH
- 1. BASIC INFORMATION**
 (a)-(e) REFER TO THIS SHEET FOR BASIC INFORMATION.
 (f.) REFER TO ATTACHED BOUNDARY, TOPOGRAPHIC AND TREE SURVEY AND THIS SHEET FOR EXISTING WETLANDS.
 (g.) REFER TO ATTACHED BOUNDARY, TOPOGRAPHIC AND TREE SURVEY INDICATING EXISTING PROPERTY BOUNDARY.
 (h.) REFER TO COVER SHEET FOR LOCATION AND VICINITY MAPS.
 (i.) REFER TO COVER SHEET FOR SIGN-OFF BLOCK.
- 2. EXISTING SITE CONDITIONS**
 (a.) TOTAL PROJECT ACREAGE : 23.64± ACRES (REFER TO ATTACHED SURVEY)
 (b.) SEE THIS SHEET & SHEET C4 FOR ADJACENT PROPERTY ZONING AND USE.
 (c.) SEE THIS SHEET & SHEET C4 FOR LOCATION AND WIDTH OF PLATTED STREET RIGHT-OF-WAYS CONTIGUOUS TO THE SITE.
 (d.) REFER TO SHEETS C5-C5 (PAVING, GRADING, AND DRAINAGE PLAN) AND SHEETS C11-C15 (UTILITY PLAN AND PLAN AND PROFILES).
 (e.) SEE THIS SHEET & SHEET C4 FOR ALL EASEMENT SIZES AND LOCATIONS.
 A 5' UTILITY EASEMENTS SHALL BE LOCATED ALONG THE FRONT AND SIDE LOT LINES AND A 10' UTILITY EASEMENT ALONG THE REAR LOT LINE.
 (f.) REFER TO THE ATTACHED BOUNDARY, TOPOGRAPHIC AND TREE SURVEY TO TOPOGRAPHICAL INFORMATION.
 (g.) REFER TO THE ATTACHED BOUNDARY, TOPOGRAPHIC AND TREE SURVEY AND THIS SHEET FOR FLOOD ZONE DELINEATION. FLOOD ZONES C, B, A 11 (EL. 9), A 11 (EL. 10), A 11 (EL. 11), V 14 (EL. 11), V 14 (EL. 12) PER FEMA INSURANCE RATE MAP # 120153 01878, REVISED 3/15/84. MAJORITY OF THE PROPOSED SITE IS SITUATED WITHIN FLOOD B AND C.
 (h.) THE WETLAND INFORMATION THAT IS REQUIRED IN SECTION 508.3(2) (3) (4) AND (5) HAS BEEN PROVIDED.
 (i.) REFER TO THE ATTACHED BOUNDARY, TOPOGRAPHIC AND TREE SURVEY AD THIS SHEET FOR TREE LOCATIONS AND GROUPINGS.
 (j.) EXISTING LAND USE IS VACANT ACREAGE, NOT AGRICULTURAL. EXISTING ZONING IS PDR/CH, THERE ARE NO EXISTING HISTORIC SITES AND/OR STRUCTURES.
- 3. PROPOSED SITE DESIGN**
 (a.) PROPOSED 29 SINGLE FAMILY RESIDENTIAL UNITS
 MAXIMUM BUILDING HEIGHT: 35-FT ABOVE FLOOD PROTECTION ELEVATION (FPE).
 DENSITY :
 GROSS PROJECT AREA IS 23.64± ACRES WITH 29 UNITS FOR A GROSS DENSITY OF 1.23 LOTS/AC.
 NET PROJECT AREA IS 14.02± ACRES WITH 29 UNITS FOR A NET DENSITY OF 2.07 LOTS/AC.
 (b.) SEE THIS SHEET FOR PROPOSED SIDEWALKS AND TRAVEL WAYS.
 (c.) THERE ARE NO OFF-STREET PARKING AND LOADING ZONES PROPOSED FOR THIS PROJECT.
 (d.) SEE THIS SHEET FOR BUILDING SETBACKS.
 FRONT : 25.0'
 SIDE : 7.5'
 REAR : 15.0'
 LAKE : 30.0'
 (e.) PROPOSED OPEN SPACE: REQUIRED OPEN SPACE 3.49 AC. (25%)
 OPEN SPACE PROVIDED 5.75 AC. (41.19%)
 TOTAL PROJECT SITE AREA 14.02± AC. (100%)

- 4. ADDITIONAL REQUIRED IMPROVEMENTS:**
 (a.) SEE SHEETS C11 TO C15 FOR PROPOSED UTILITY CONNECTIONS AND SIZES.
 (b.) A COPY OF THE SWFWMD PERMIT APPLICATION IS ATTACHED.
 (c.) SOLID WASTE DISPOSAL SHALL BE PROVIDED BY WASTE MANAGEMENT OF MANATEE COUNTY.
 (d.) SEE THIS SHEET FOR ROADWAY ACCESS TO THE PROPOSED SITE.
 (e.) SEE THIS SHEET FOR SIDEWALK LOCATIONS.
 (f.) PROPOSED INTERNAL ROADS AND UTILITIES WITHIN PROJECT WILL BE PRIVATELY OWNED AND MAINTAINED.
- 5. SUPPLEMENTAL INFORMATION:**
 (a.) THERE ARE NO PERENNIAL STREAMS ON OR ADJACENT TO THE PROJECT SITE.
 (b.) PROJECT IS NOT LOCATED IN A FLOODWAY.
 (c.) ACCESS CONNECTION IS ON A COUNTY ROAD, FOOT DRIVEWAY CONNECTION IS NOT REQUIRED.
 (d.) FLOOD ZONE "A" CUT AND FILL BALANCE.
 (e.) REFER TO SHEETS C5-C6 AND C10 FOR BEST MANAGEMENT PRACTICE INFORMATION.
 (f.) DRAINAGE AND UTILITY EASEMENTS SHALL BE PROVIDED AS SHOWN ON THESE PLANS.
 (g.) REFER TO K.
 (h.) REFER TO K.
 (i.) ALL PRIVATELY OWNED OPEN SPACE AND/OR COMMON AREAS SHALL BE PRIVATELY MAINTAINED BY DEVELOPER/HOME OWNER ASSOCIATION.
 (j.) THE PROPOSED CONSTRUCTION SCHEDULE IS AS FOLLOWS: START MAY 2009 AND COMPLETED JANUARY 2010.
 (k.) MANATEE COUNTY PUBLIC WORKS TO PROVIDE WATER SERVICE AND SEWAGE TREATMENT, IN SITE WATER AND SEWER SHALL BE PRIVATELY OWNED AND MAINTAINED BY THE DEVELOPER / HOMEOWNERS ASSOCIATION.

SIGNING AND PAVEMENT MARKING NOTES:

- EXISTING TRAFFIC CONTROL SIGNS, WHEN REMOVED, SHALL BE STORED, RELOCATED AND/OR DELIVERED TO MANATEE COUNTY PUBLIC WORKS AS PART OF THE PROJECT.
- STRIPING AND SIGNING SHALL CONFORM WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND THE FOOT STAND INDEX DRAWINGS FOR SUCH.
- ALL PAVEMENT MARKINGS SHALL BE INSTALLED "ALWAYS" THERMOPLASTIC 90 MILS IN THICKNESS.
- ALL ALL SIGNAGE SHALL INCLUDE THE PROPER ERECTION AND HARDWARE (POSTS, BRACKETS, ETC.) IN CONFORMANCE WITH FOOT STANDARD INDEX DRAWINGS.
- ALL SIGN FACE MATERIAL SHALL MEET FOOT SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (2000) AND SUPPLEMENTS THEREIN.
- ALL PROPOSED SIGNS SHALL BE DESIGNED FOR 80 MPH WIND LOADS.

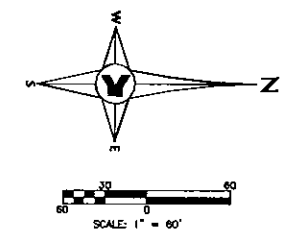
SIGNING AND PAVEMENT MARKING LEGEND:



OPEN SPACE CALCULATION:

20' DRAINAGE EASEMENT	0.70 ACRES	(5.01%)
20' MAINTENANCE EASEMENT	0.59 ACRES	(4.23%)
15' GREENBELT	0.97 ACRES	(6.95%)
20' ROW BUFFER	0.12 ACRES	(0.86%)
17' ROW FUTURE DEDICATION AREA	0.13 ACRES	(0.93%)
LAKE #1 (TOB)	0.70 ACRES	(5.01%)
LAKE #2	0.63 ACRES	(4.51%)
WETLAND #1	0.26 ACRES	(1.88%)
30' WETLAND BUFFER	0.59 ACRES	(4.23%)
WETLAND #2	0.06 ACRES	(0.43%)
30' WETLAND BUFFER	0.48 ACRES	(3.44%)
OTHER COMMON OPEN SPACE AREAS	0.61 ACRES	(4.37%)
TOTAL	5.84 ACRES	(41.83%)

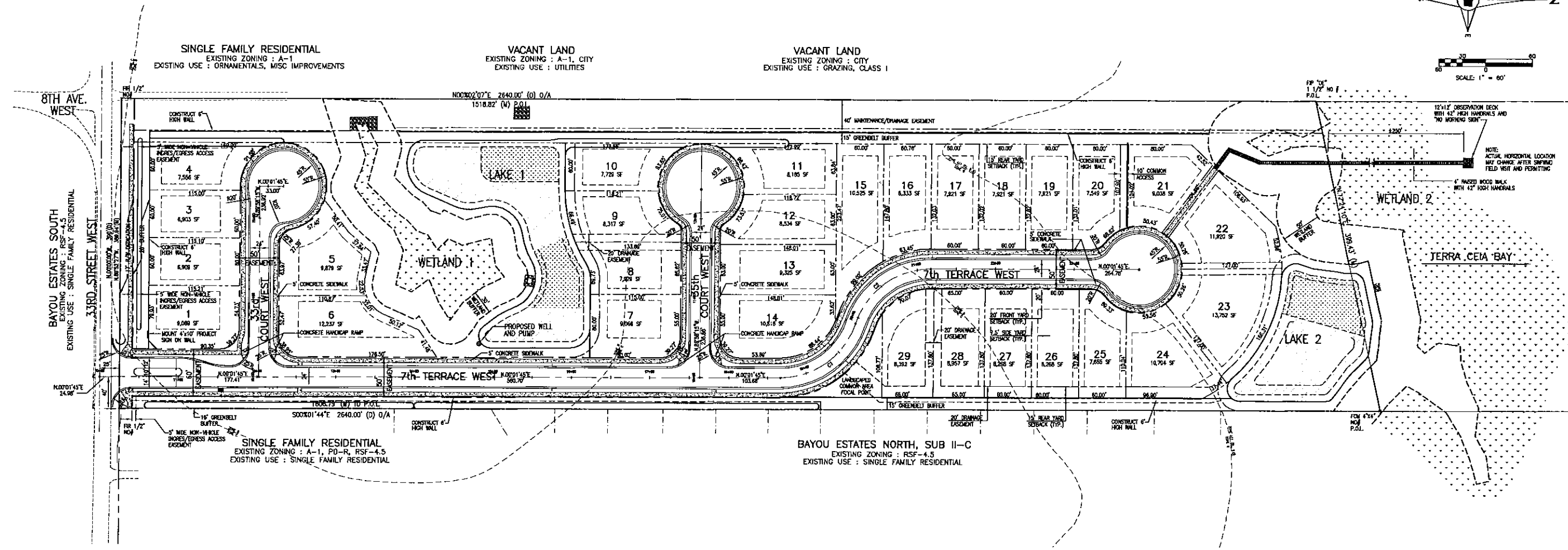
NOTE:
 1. NO STRUCTURAL FILL TO BE PLACED ON LOTS 21-24
 USE OF STEM WALLS FOR LOTS 21-24 WILL BE PROHIBITED PER ZONING ORDINANCE STIPULATION #7. HOWEVER STEM WALLS WITHOUT FILL, WITH FLOW THRU OPENINGS ARE ALLOWED IF THEY MEET PROVISIONS OF THE FLOOD PLAN ORDINANCE.



SINGLE FAMILY RESIDENTIAL
EXISTING ZONING : A-1
EXISTING USE : ORNAMENTALS, MISC IMPROVEMENTS

VACANT LAND
EXISTING ZONING : A-1, CITY
EXISTING USE : UTILITIES

VACANT LAND
EXISTING ZONING : CITY
EXISTING USE : GRAZING, CLASS 1



NOTES:

- EASEMENTS OF 5' IN WIDTH ALONG EVERY SIDE LOT LINE, 10' IN WIDTH ALONG EACH REAR LOT LINE AND 10' IN WIDTH ALONG EACH FRONT LOT LINE WILL BE CREATED FOR DRAINAGE, UTILITY, AND ACCESS MAINTENANCE.
- ALL 20' WIDE DRAINAGE EASEMENTS ARE ALSO MAINTENANCE ACCESS EASEMENTS.
- PROJECT BENCHMARK #1295 (F.D.O.T.) EL. = 14.998' N.G.M.D. M.S.L. = 0.00'
- FLOOD ZONE C, B, A11 (EL. 9.0), V14 (EL. 12.0) COMMUNITY PANEL #120153 REVISED 03-15-08A.

CURVE DATA:

CURVE TABLE						
CURVE	LENGTH	RADIUS	TANGENT	DELTA	CHORD BEARING	
C1	125.48'	100.00'	72.50'	71°52'51"	117.39'	N35°54'40"W
C2	125.48'	100.00'	72.50'	71°52'51"	117.39'	N35°54'40"W

NOTE:

- NO STRUCTURAL FILL TO BE PLACED ON LOTS 21-24
USE OF STEM WALLS FOR LOTS 21-24 WILL BE PROHIBITED PER ZONING ORDINANCE STIPULATION #7. HOWEVER STEM WALLS WITHOUT FILL, WITH FLOW THRU OPENINGS ARE ALLOWED IF THEY MEET PROVISIONS OF THE FLOOD PLAIN ORDINANCE.

NO.	BY	DATE	DESCRIPTION
1	DNS	5-06-08	REVISED PER SWMWD LETTER DATED MAY 6TH, 2008
2	PSN	10-22-08	PLAN REVISIONS PER MANATEE COUNTY LETTER DATED 9-15-08
3	DNS	01-16-09	PLAN REVISIONS PER MANATEE COUNTY LETTER DATED 9-17-08
4	DNS	3-30-09	REVISED PER 3-16-09 STORM WATER LETTER AND PLANNING DEPT. LETTER
5			

NO.	BY	DATE	DESCRIPTION
6			
7			
8			
9			
10			

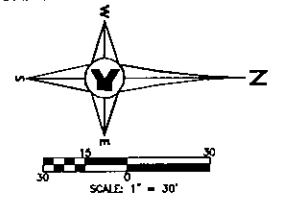
George F. Young, Inc.
10540 PORTAL CROSSING, SUITE 105, BRADENTON, FLORIDA 34211
PHONE (941) 747-2881 FAX (941) 747-7234
ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21
ARCHITECTURE-ENGINEERING-ENVIRONMENTAL-LANDSCAPE PLANNING-SURVEYING-UTILITIES
Since 1919 GAINESVILLE-LANESWOOD RANCH-ORLANDO-FLA-MIAMI BEACH-GARDENS ST. PETERSBURG-TAMPA-NEWNC

TASK: DESIGN, DRAWN, CHECKED, SCALE: 1"=60'

PREPARED FOR: JOE'S CREEK HOLDINGS I, LLC
6550 53rd STREET
PINELLAS PARK, FLORIDA 33781

TERRA CEIA PALMS SUBDIVISION
PRELIMINARY PLAT
SECTION 2, TOWNSHIP 34 S., RANGE 17 E.

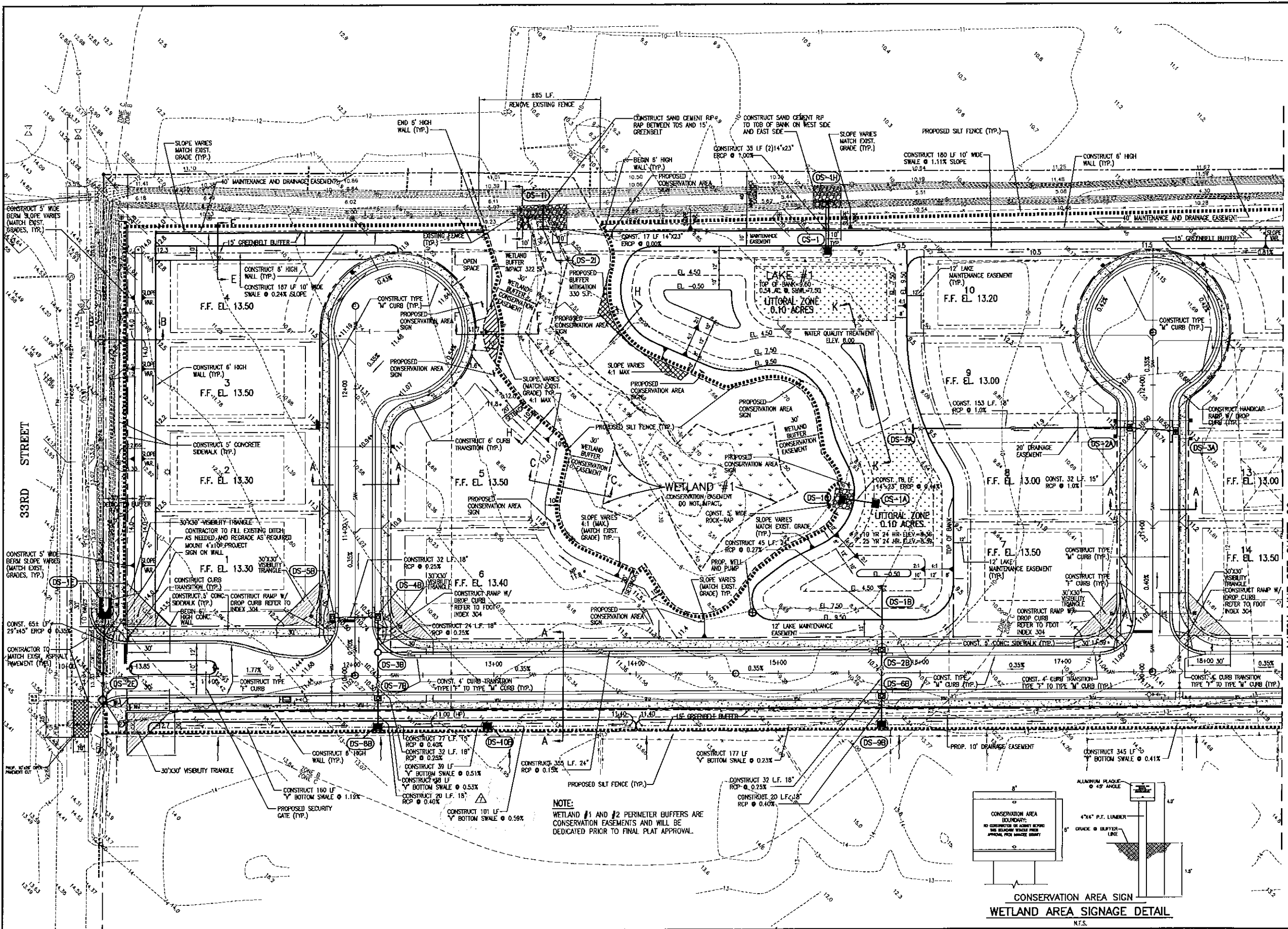
JOB NO. 0671018400
SHEET NO. C4



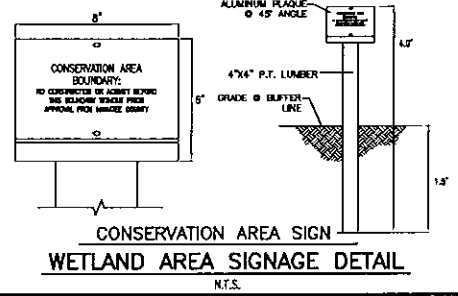
STORMWATER STRUCTURE TABULATION:

- (DS-1A) CONCRETE END WALL
FOOT INDEX NO. 250
INV. EL. 6.50
- (DS-2A) TYPE "T" INLET
TOP EL. 10.85
S. INV. EL. 8.13
N. INV. EL. 8.13
- (DS-3A) TYPE "T" INLET
TOP EL. 10.85
S. INV. EL. 8.16
- (DS-1B) CONCRETE END WALL
FOOT INDEX NO. 250
INV. EL. 2.62
- (DS-2B) TYPE "T" INLET
TOP EL. 10.85
W. INV. EL. 2.74
E. INV. EL. 6.64
S. INV. EL. 2.74
- (DS-3B) JUNCTION BOX
FOOT INDEX NO. 200
48" INSIDE DIA.
TOP RING & COVER EL. 10.42
TOP CONC. LD. EL. 9.42
N. INV. EL. 3.27
E. INV. EL. 5.20
W. INV. EL. 3.27
- (DS-4B) TYPE "T" INLET
TOP EL. 10.85
E. INV. EL. 3.33
S. INV. EL. 6.52
- (DS-5B) TYPE "T" INLET
TOP EL. 10.85
N. INV. EL. 6.60
- (DS-6B) TYPE "T" INLET
TOP EL. 10.85
W. INV. EL. 6.72
E. INV. EL. 6.72
- (DS-7B) TYPE "T" INLET
TOP EL. 10.85
W. INV. EL. 5.28
E. INV. EL. 5.28
- (DS-8B) TYPE "C" INLET
FOOT INDEX 232
GRATE EL. 10.80
INV. EL. 5.34
- (DS-9B) TYPE "C" INLET
FOOT INDEX 232
GRATE EL. 10.80
INV. EL. 6.80
- (DS-10B) TYPE "C" INLET
FOOT INDEX 232
GRATE EL. 11.00
INV. EL. 6.80
- (DS-1E) MITERED END SECTION
FOOT INDEX NO. 273
INV. EL. 7.50
- (DS-2E) MODIFY EXISTING DITCH BOTTOM INLET
CONSTRUCT HANDLE RING AND COVER
R.W. EL. 14.14
S. INV. EL. 7.23
W. INV. EL. 7.23
- (DS-1C) TYPE "C" BOBBLER BOX
FOOT INDEX 232
GRATE EL. 8.00
N.W. INV. EL. 5.67
- (DS-1H) STRAIGHT END WALL
FOOT INDEX NO. 250
INV. EL. 5.45
- (DS-1I) STRAIGHT END WALL
FOOT INDEX 250
INV. EL. 6.20
- (DS-2I) STRAIGHT END WALL
FOOT INDEX 250
INV. EL. 6.20
- (CS-1) CONTROL STRUCTURES
SEE SHEET C9
- (CS-1A) SEE SHEET C9

- LEGEND:**
- ⊙ 11.22 EXISTING SPOT ELEVATION
 - ⊕ EXISTING STORM INLET AND PIPE
 - ⊕ EXISTING SANITARY MANHOLE
 - PROJECT BOUNDARY
 - EXISTING FEATURES
 - ⊙ 11.68 PROPOSED SPOT ELEVATION
 - PROPOSED SILT FENCE
 - (DS-00) PROPOSED STRUCTURE 10
 - PROPOSED STORM INLET AND STORM PIPE
 - PROPOSED SIGN
 - PROPOSED FIRE HYDRANT
 - PROPOSED WATER MAIN
 - PROPOSED WATER METER
 - PROPOSED SANITARY MAIN
 - PROPOSED SANITARY SEWER LATERAL WITH CLEAN OUTS



NOTE:
WETLAND #1 AND #2 PERIMETER BUFFERS ARE CONSERVATION EASEMENTS AND WILL BE DEDICATED PRIOR TO FINAL PLAT APPROVAL.



NO.	BY	DATE	DESCRIPTION
1	PSN	4-15-08	PLAN REVISIONS PER SWFMD COMMENTS
2	DNS	6-06-08	REVISED PER SWFMD LETTER DATED MAY 6TH, 2008
3	DNS	7-23-08	ADDED RIP-RAP AT WETLAND #1 AND EXISTING DITCH
4	PSN	10-23-08	PLAN REVISIONS PER MANATEE COUNTY LETTER DATED 9-15-08
5	DNS	3-30-09	REVISED PER 3-16-09 STORM WATER LETTER AND PLANNING DEPT. LETTER

NO.	BY	DATE	DESCRIPTION
6	PSN	4-27-09	REVISED PER 3-16-09 STORMWATER LETTER
7	PSN	7-29-09	REVISED SWALE BETWEEN DS-08 AND DS-10B
8			
9			
10			

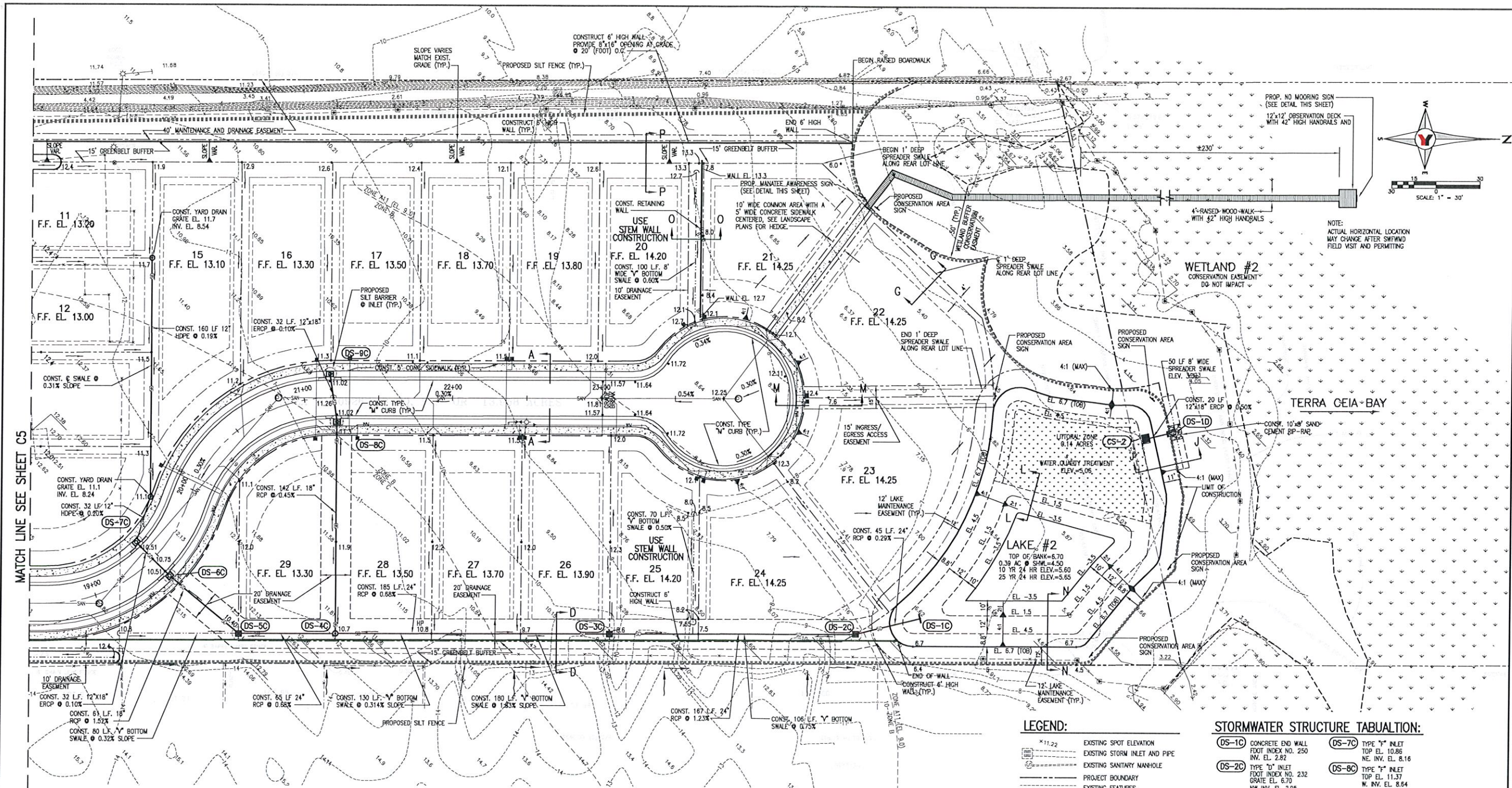
George F. Young, Inc.
 10540 PORTAL CROSSING, SUITE 105, BROWARD COUNTY, FLORIDA 33411
 PHONE (954) 747-2981 FAX (954) 747-2934
 ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21
 ARCHITECTURE ENGINEERING ENVIRONMENTAL LANDSCAPE PLANNING SURVEYING UTILITIES
 Since 1919 GAINESVILLE/LAKELAND/RANDY/DUNEDIN/PALM BEACH GARDENS/ST. PETERSBURG/TAMPA/VENICE

TASK: DESIGN
 INITIALS: ONELL
 DATE: 3-01-07
 DRAWN: SEIFE
 CHECKED: O'NEILL
 QUALITY CR.
 SCALE: 1"=30'

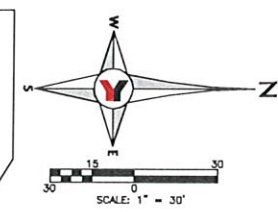
PREPARED FOR:
JOE'S CREEK HOLDINGS I, LLC
 6550 53rd STREET
 PINELLAS PARK, FLORIDA 33781

TERRA CEIA PALMS SUBDIVISION
 PAVING, GRADING, AND DRAINAGE PLAN
 SECTION 2, TOWNSHIP 34 S., RANGE 17 E.

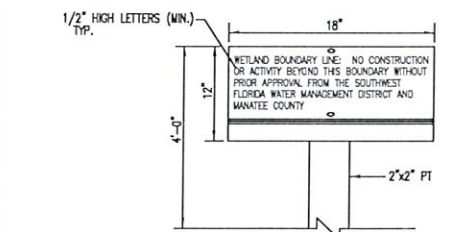
JOB NO. 0671018400
 SHEET NO. C5



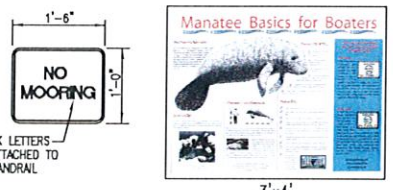
MATCH LINE SEE SHEET C5



NOTE:
ACTUAL HORIZONTAL LOCATION
MAY CHANGE AFTER SWIMMING
FIELD VISIT AND PERMITTING

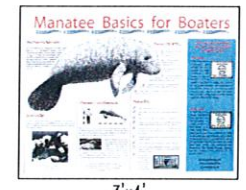


WETLAND/CONSERVATION EASEMENT SIGNAGE DETAIL
N.T.S.



BOARDWALK SIGNAGE DETAILS
N.T.S.

THE "MANATEE BASICS FOR BOATERS" SIGN IS 3' BY 4', IS TWO TONE COLOR AND IS AVAILABLE FROM ALL COMPANIES LISTED ON THE SIGN SUPPLIER LIST. THIS SIGN WILL MEET THE MANATEE EDUCATIONAL DISPLAY REQUIRED BY THE LEASE/PERMIT.



NOTE:
MAINTAIN EXISTING GRADE ON EAST PROPERTY LINE FROM LOT 93 NORTHWARD TO WETLAND. SEE SECTION D-D & N-N

LEGEND:

- 11.22 --- EXISTING SPOT ELEVATION
- EXISTING STORM INLET AND PIPE
- EXISTING SANITARY MANHOLE
- PROJECT BOUNDARY
- EXISTING FEATURES
- 11.68 --- PROPOSED SPOT ELEVATION
- PROPOSED SILT FENCE
- (DS-00) --- PROPOSED STRUCTURE ID
- PROPOSED STORM INLET AND STORM PIPE
- PROPOSED SIGN
- PROPOSED FIRE HYDRANT
- PROPOSED WATER MAN
- PROPOSED WATER METER
- PROPOSED SANITARY MAN
- PROPOSED SANITARY SEWER LATERAL WITH CLEAN OUTS

STORMWATER STRUCTURE TABULATION:

(DS-1C) CONCRETE END WALL FOOT INDEX NO. 250 INV. EL. 2.82	(DS-7C) TYPE "T" INLET TOP EL. 10.88 NE. INV. EL. 8.16
(DS-2C) TYPE "D" INLET FOOT INDEX NO. 232 GRATE EL. 6.70 NW INV. EL. 2.95 S. INV. EL. 2.95	(DS-8C) TYPE "T" INLET TOP EL. 11.37 W. INV. EL. 8.14 E. INV. EL. 8.14
(DS-3C) TYPE "D" INLET FOOT INDEX NO. 232 GRATE EL. 8.80 N. INV. EL. 5.00 S. INV. EL. 5.00	(DS-9C) TYPE "F" INLET TOP EL. 11.37 E. INV. EL. 8.67
(DS-4C) JUNCTION BOX FOOT INDEX NO. 200 4" INSIDE DIA. RM. EL. 10.60 N. INV. EL. 6.26 S. INV. EL. 6.28 W. INV. EL. 7.50	(DS-1D) METERED END SECTION FOOT INDEX NO. 272 N. INV. EL. 3.30
(DS-5C) TYPE "D" INLET FOOT INDEX 232 GRATE EL. 10.40 N. INV. EL. 6.70 SW. INV. EL. 7.20	(CS-2) CONTROL STRUCTURE SEE SHEET C9
(DS-6C) TYPE "T" INLET TOP EL. 10.88 NE. INV. EL. 8.13 SW. INV. EL. 8.13	

NOTE:
1. NO STRUCTURAL FILL TO BE PLACED ON LOTS 21-24
USE OF STEM WALLS FOR LOTS 21-24 WILL BE PROHIBITED PER ZONING ORDINANCE STIPULATION #7. HOWEVER STEM WALLS WITHOUT FILL, WITH FLOW THRU OPENINGS ARE ALLOWED IF THEY MEET PROVISIONS OF THE FLOOD PLAIN ORDINANCE.

NO.	BY	DATE	DESCRIPTION	NO.	BY	DATE	DESCRIPTION
1	PSN	4-15-08	PLAN REVISIONS PER SWMMD COMMENTS	6			
2	DNS	6-06-08	REVISED PER SWMMD LETTER DATED MAY 6TH, 2008	7			
3	PSN	10-22-08	PLAN REVISIONS PER MANATEE COUNTY LETTER DATED 9-15-08	8			
4	DNS	12-15-08	REVISED BOARDWALK WIDTH PER COUNTY COMMENTS DATED 11-24-08	9			
5	PSN	4-27-09	REVISED PER 3-18-09 STORMWATER LETTER	10			

George F. Young, Inc.
10640 PORTAL CROSSING, SUITE 108, BRADENTON, FLORIDA 34211
PHONE (941) 747-2881 FAX (941) 747-7234

Since 1919 GAINESVILLE LAKEWOOD RANCHO ORLANDO PALM BEACH GARDENS ST. PETERSBURG/TAMPA HONOLULU

TASK: INITIALS DATE
DESIGN: ONELL 3-01-07
DRAWING: SETRE 3-01-07
CHECKED: ONELL
QUALITY DR.
SCALE: 1"=30'

PREPARED FOR:
JOE'S CREEK HOLDINGS 1, LLC
6550 53rd STREET
PINELLAS PARK, FLORIDA 33781

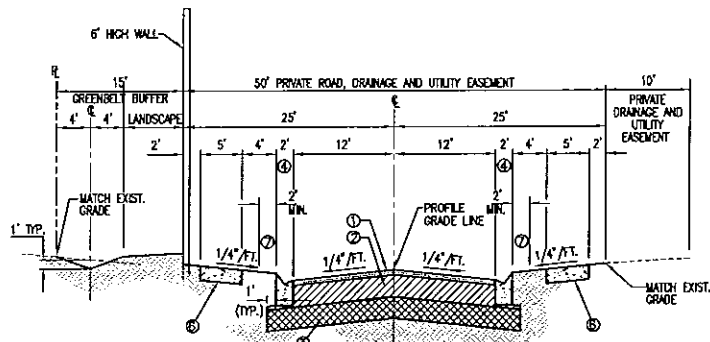
TERRA CEIA PALMS SUBDIVISION
PAVING, GRADING, AND DRAINAGE PLAN
SECTION 2, TOWNSHIP 34 S., RANGE 17 E.

JOB NO. 0671018400
SHEET NO. C6

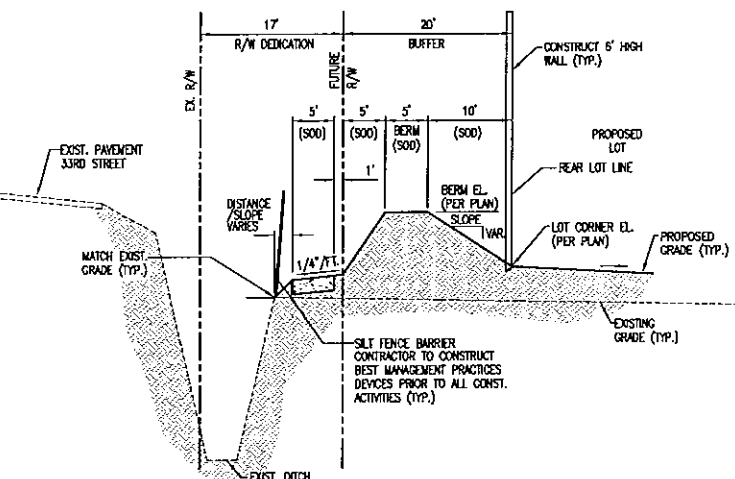
SPECIFICATIONS:

- ① 1-1/2" MINIMUM THICK TYPE S III ASPHALTIC CONCRETE SURFACE (FDOT, SEC. 331)
- ② 6" MINIMUM THICK CRUSHED CONCRETE, MIN. LBR 100, 98X AASHTO T-180
- ③ 6" MINIMUM THICK COMPACTED SUBGRADE (FDOT, SEC. 160; TYPE B STABILIZATION, LBR 40 MIN.)
- ④ 2' TYPE "M" CURB
- ⑤ 2' TYPE "T" CURB
- ⑥ CONCRETE SIDEWALK (4" THICKNESS; 3,000 P.S.I. @ 28 DAYS)
- ⑦ GRASSING BY SOO AND SEED/MULCH. 2" SOO STRIPS SHALL BE USED ALONG ALL PAVEMENT EDGES, BACK OF CURBING, EACH SIDE OF SIDEWALK AND ON ALL SLOPES STEEPER THAN 6:1 RATIOS. SEED AND MULCH SHALL BE USED FOR ALL OTHER SLOPES, MEDIAN AND DISTURBED AREAS.

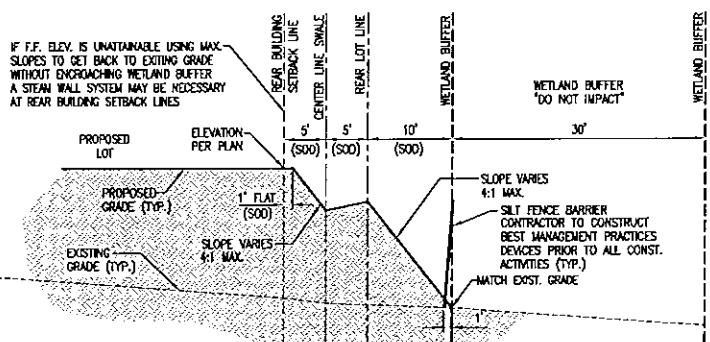
NOTE:
ALL MATERIALS AND METHODS USED IN CONSTRUCTING ROADS INCLUDING SIDEWALKS SHALL CONFORM TO THE REQUIREMENTS OF MANATEE COUNTY LAND DEVELOPMENT REGULATIONS.



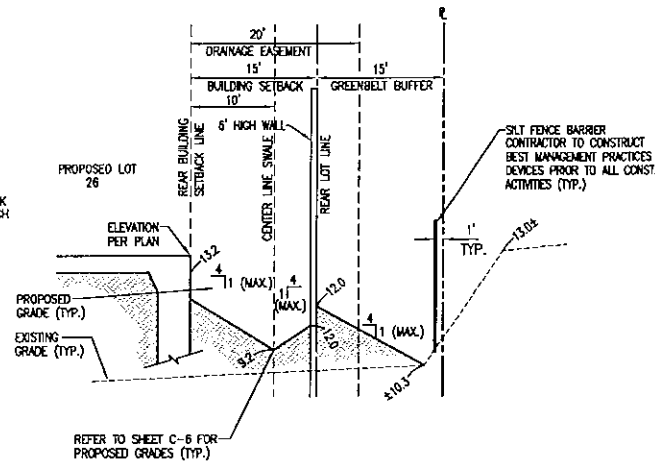
**SECTION A-A
TYPICAL ROADWAY SECTION**
SCALE: 1"=10' HORZ.



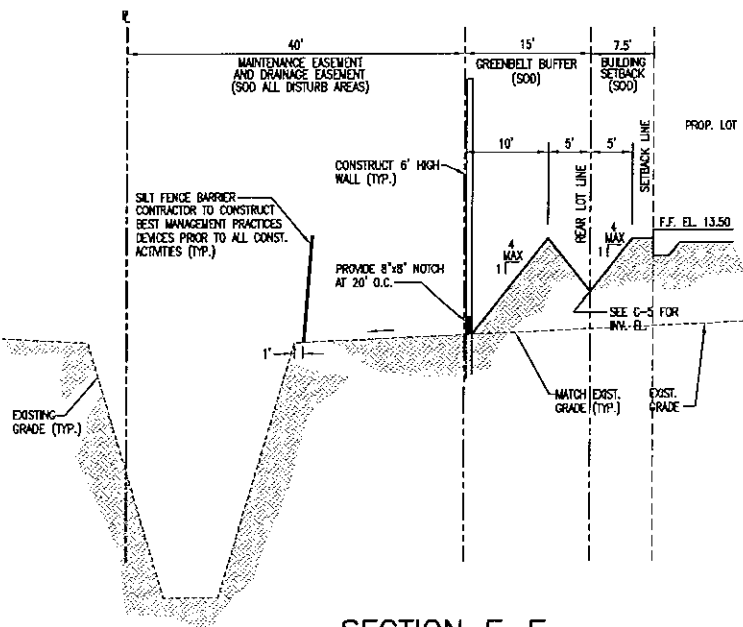
SECTION B-B
SCALE: 1"=10' HORZ.



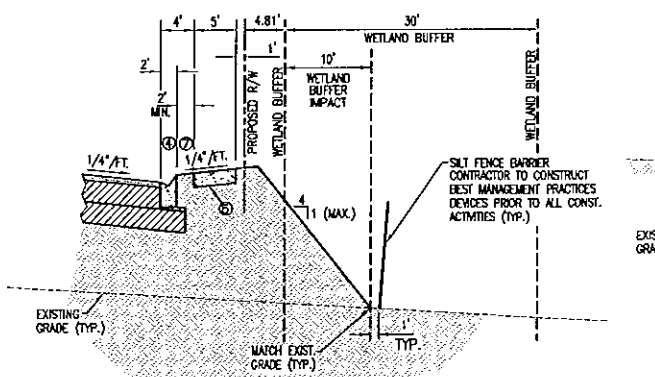
SECTION C-C
SCALE: 1"=10' HORZ.



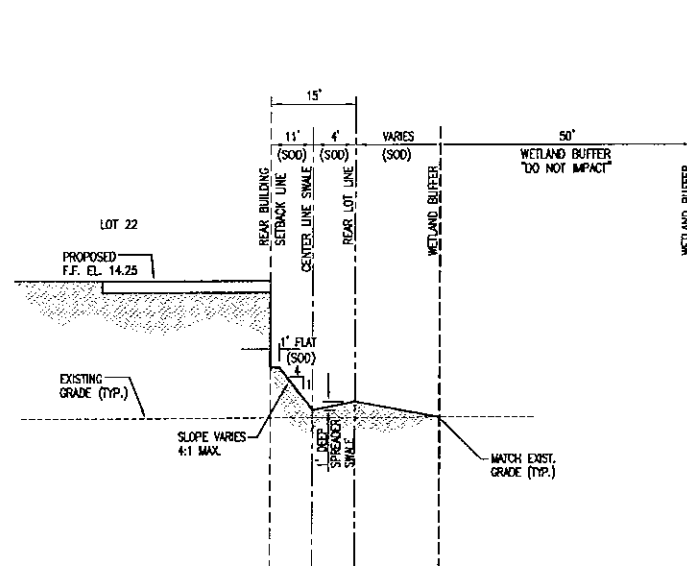
SECTION D-D
SCALE: 1"=10' HORZ.



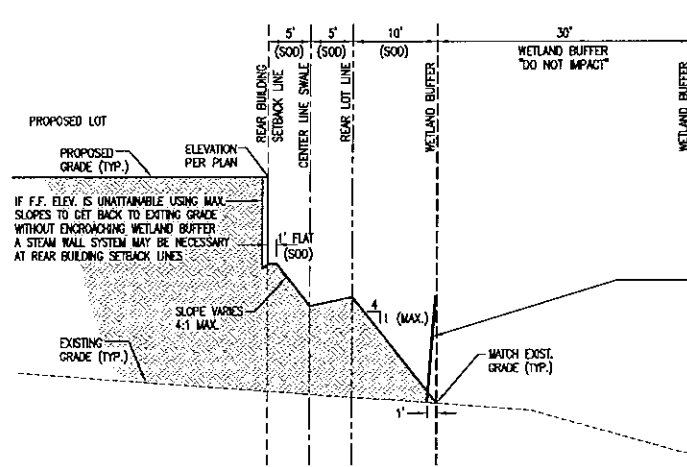
SECTION E-E
SCALE: 1"=10' HORZ.



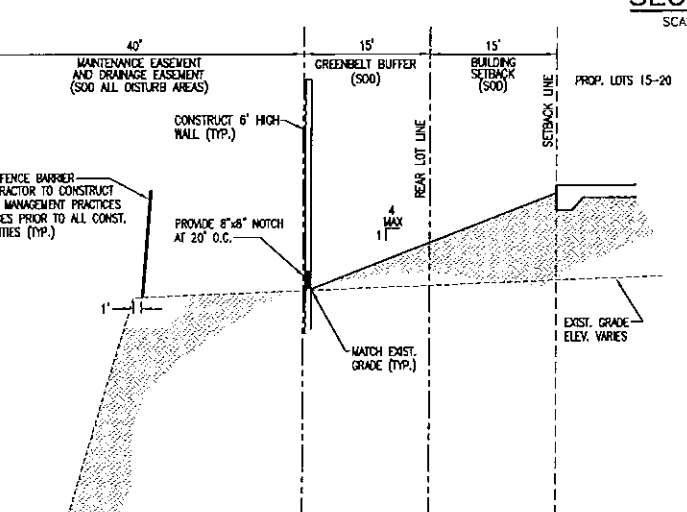
SECTION F-F
SCALE: 1"=10' HORZ.



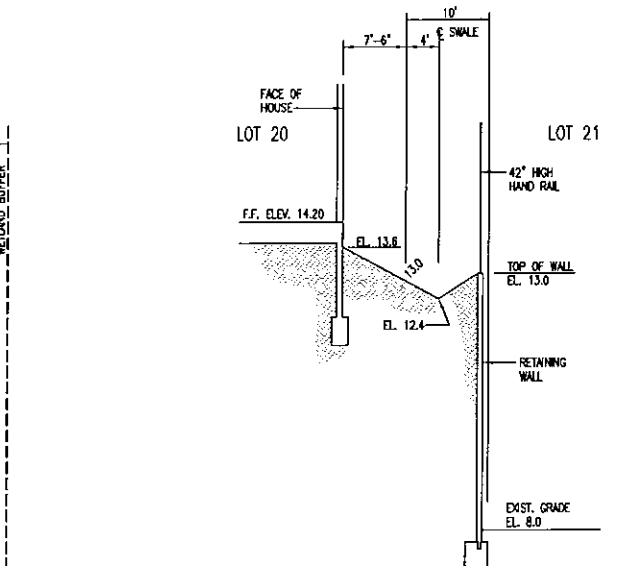
SECTION G-G
SCALE: 1"=10' HORZ.



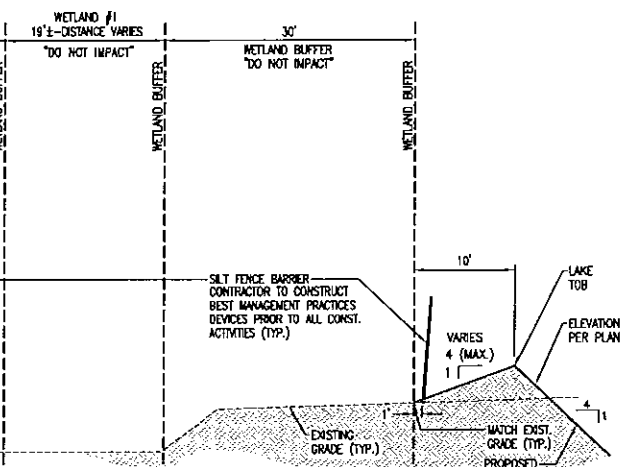
SECTION H-H
SCALE: 1"=10' HORZ.



SECTION P-P
SCALE: 1"=10' HORZ.



SECTION O-O
SCALE: 1"=10' HORZ.



SECTION I-I
SCALE: 1"=10' HORZ.

NO.	BY	DATE	DESCRIPTION
1	PSN	4-15-06	PLAN REVISIONS PER SWMNO COMMENTS
2	DNS	6-06-08	REVISED PER SWMNO LETTER DATED MAY 6TH, 2008
3	PSN	10-22-08	PLAN REVISIONS PER MANATEE COUNTY LETTER DATED 9-15-08
4	DNS	12-15-08	REVISED BOARDWALK WIDTH PER COUNTY COMMENTS DATED 11-24-08
5	DNS	01-16-09	PLAN REVISIONS PER MANATEE COUNTY LETTER DATED 9-17-08

NO.	BY	DATE	DESCRIPTION
6	PSN	01-20-09	ALL SECTIONS REDRAWN TO SCALE
7	PSN	4-27-09	REVISED PER 3-16-09 STORMWATER LETTER
8			
9			
10			

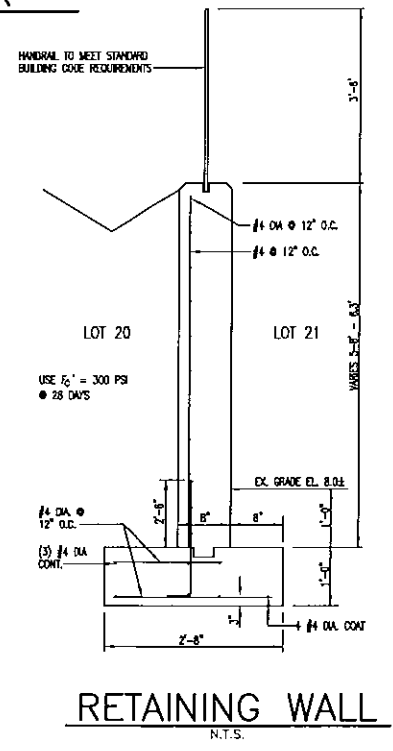
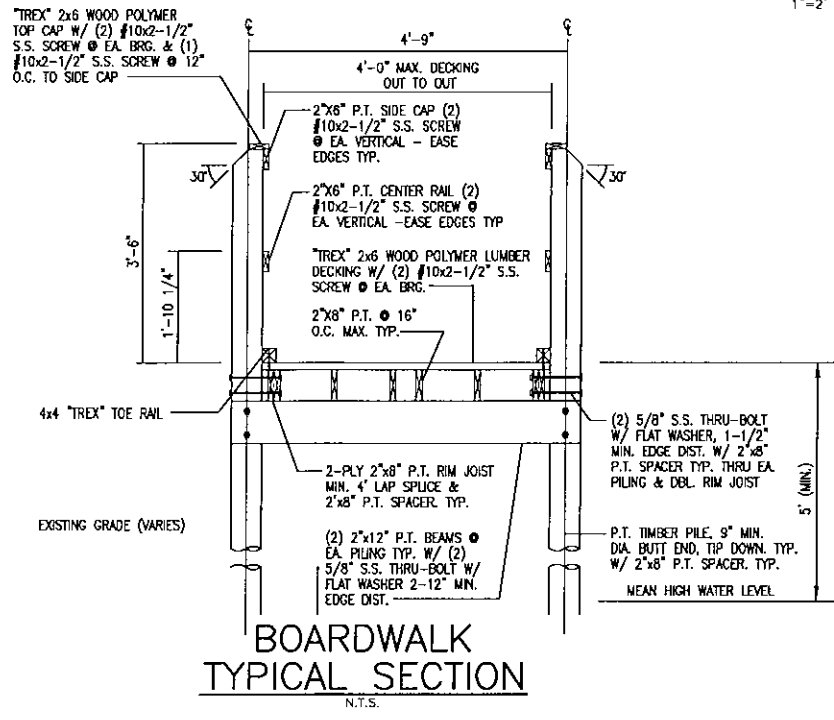
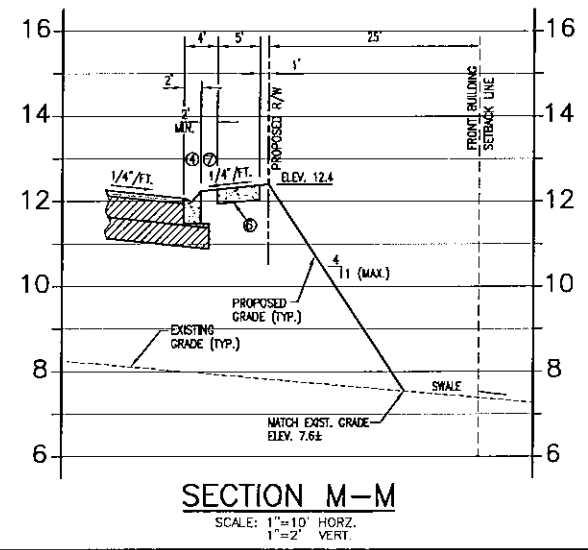
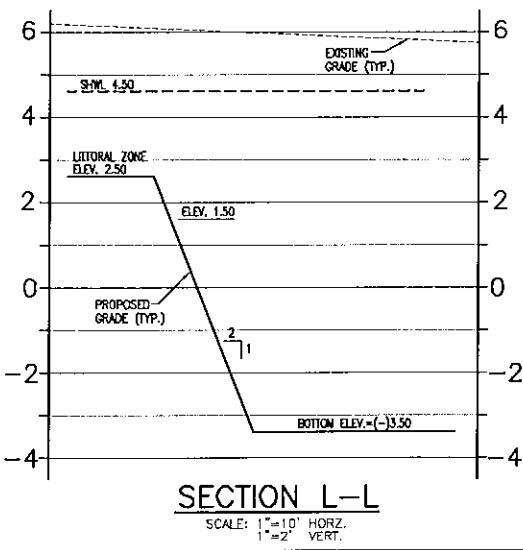
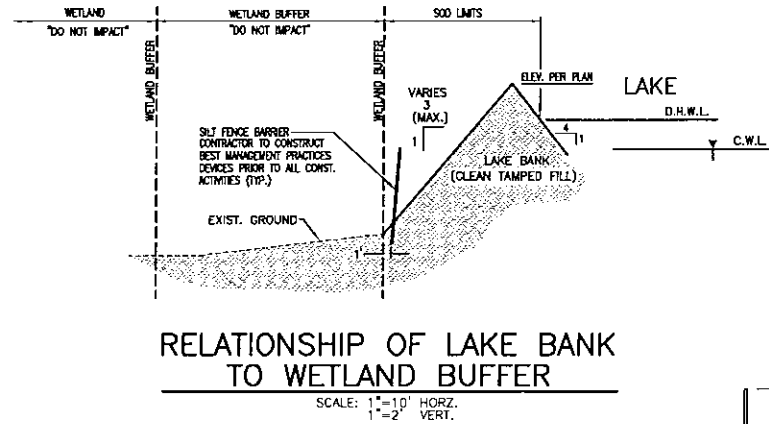
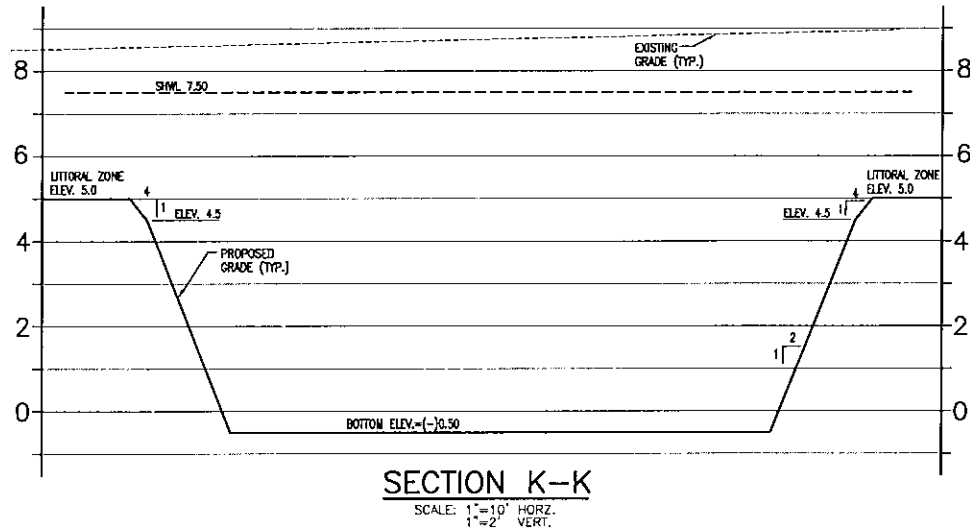
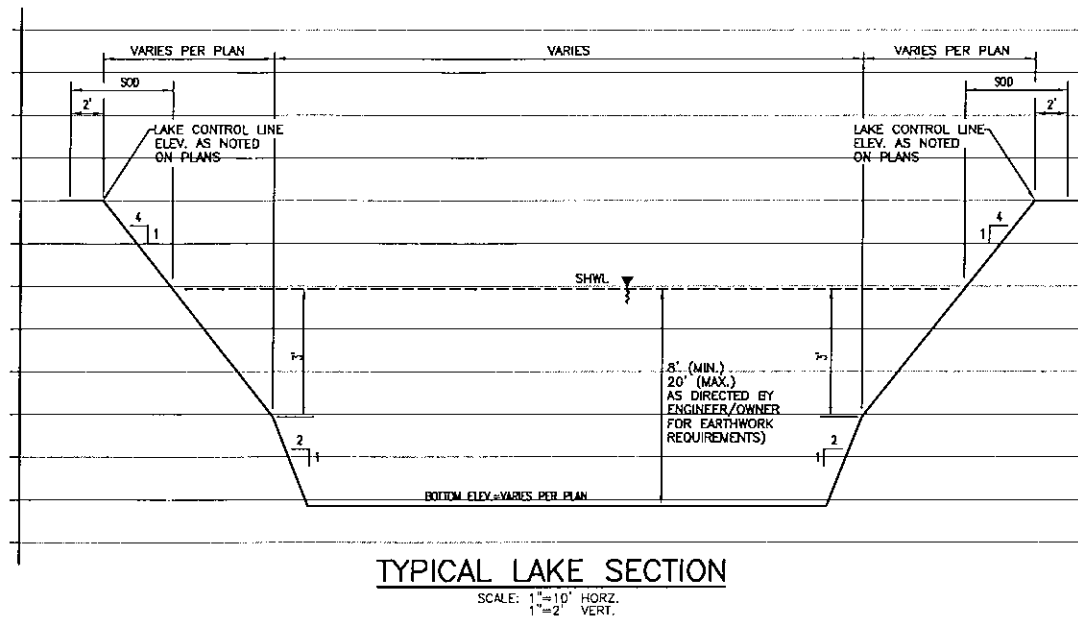
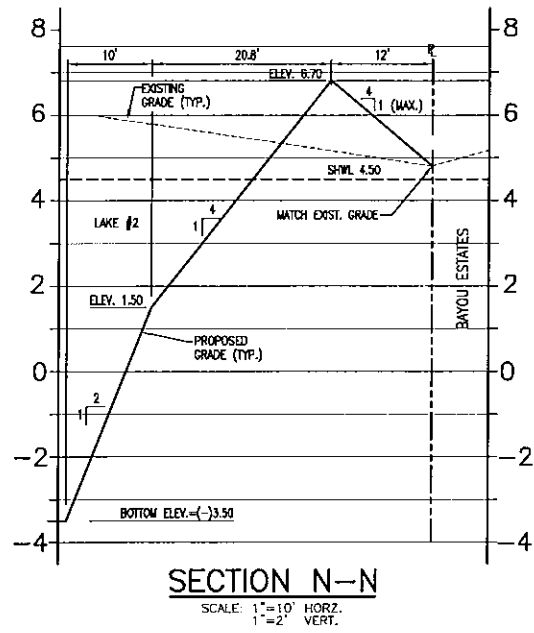
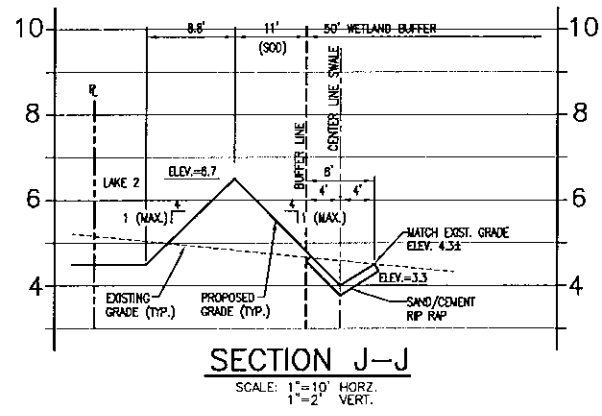
George F. Young, Inc.
10640 PORTAL CROSSING, SUITE 106, BROWARD COUNTY, FLORIDA 34211
PHONE (954) 747-7281 FAX (954) 747-7234
ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21
ARCHITECTURE, ENGINEERING, ENVIRONMENTAL, LANDSCAPE PLANNING, SURVEYING UTILITIES
Since 1919 GAINESVILLE, LAKEWOOD BLANCH, ORLANDO, PALM BEACH, GARDERS ST., PETERSBURG, TAMPA, MONROE

TASK	INITIALS	DATE
DESIGN	SEK	3-01-07
DRAWN	SEK	3-01-07
CHECKED	O'NEILL	
SCALE		
SCALE	SHOWN	

PREPARED FOR:
JOE'S CREEK HOLDINGS I, LLC
6550 53rd STREET
PINELLAS PARK, FLORIDA 33781

TERRA CEIA PALMS SUBDIVISION
PAVING, GRADING, AND DRAINAGE DETAILS
SECTION 2, TOWNSHIP 34 S., RANGE 17 E.

JOB NO. 0671018400
SHEET NO. C7



NO.	BY	DATE	DESCRIPTION
1	PSN	01-22-09	ALL SECTIONS REDRAWN TO SCALE
2	PSN	4-27-09	REVISED PER 3-16-09 STORMWATER LETTER
3			
4			
5			

NO.	BY	DATE	DESCRIPTION
6			
7			
8			
9			
10			

George F. Young, Inc.
10540 PORTAL CROSSING, SUITE 106, BRADENTON, FLORIDA 34211
PHONE (813) 747-2881 FAX (813) 747-7234
ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21
ARCHITECTURE ENGINEERING ENVIRONMENTAL LANDSCAPE PLANNING SURVEYING UTILITIES
Since 1919 GAINESVILLE LANESWOOD RANCH ORLANDO PALM BEACH GARDENS ST. PETERSBURG TAMPA VENICE

TASK: INITIALS DATE
DESIGN: O'NEILL 3-1-07
DRAWN: MCKESS 1-23-10
CHECKED: O'NEILL 1-23-10
QUALITY OR: []
SCALE: SHOWN

PREPARED FOR:
JOE'S CREEK HOLDINGS 1, LLC
6550 53rd STREET
PINELLAS PARK, FLORIDA 33781

TERRA CEIA PALMS SUBDIVISION
PAVING, GRADING, AND DRAINAGE DETAILS
SECTION 2, TOWNSHIP 34 S., RANGE 17 E.

JOB NO. 0671018400
SHEET NO. C7A

GENERAL NOTES

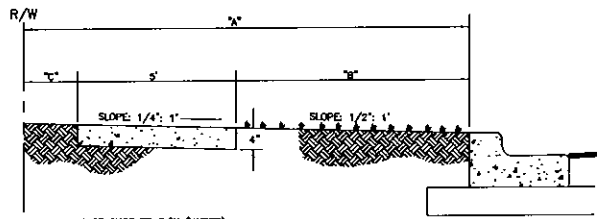
- SIDEWALK SHALL BE CONSTRUCTED A MINIMUM OF 4" THICK, USING 3000 PSI CONCRETE. WHERE SIDEWALK BISECTS A DRIVEWAY, THE MINIMUM SHALL BE 6" OF CLASS I CONCRETE REINFORCED WITH 6"x6" #10 WIRE MESH.
* SEE SHEETS #101.2 & 101.3.
- ALL SIDEWALKS SHALL BE CONSTRUCTED TO THE SPECIFICATIONS OF THE MANATEE COUNTY LAND DEVELOPMENT CODE, SECTION 222. A MINIMUM (5) FOOT WIDE SIDEWALK SHALL BE INSTALLED ALONG THE NORTH AND WEST SIDES OF ALL NEW LOCAL STREETS WHICH ARE CONSTRUCTED IN CONJUNCTION WITH A NEW RESIDENTIAL DEVELOPMENT. A SIDEWALK A MINIMUM OF (5) FEET IN WIDTH SHALL BE INSTALLED ON BOTH SIDES OF ALL THOROUGHFARES. REFER TO F.D.O.T. ROADWAY AND TRAFFIC STANDARDS, LATEST REVISION FOR CURB CUT RAMP SPECIFICATIONS.
- THE CONCRETE SHALL BE GIVEN A BROOM FINISH. THE SURFACE VARIATIONS SHALL NOT BE MORE THAN 1/4" UNDER A TEN FOOT STRAIGHTEDGE, NOR MORE THAN 1/8" ON A FIVE-FOOT TRAVERSE SECTION. THE EDGE OF THE SIDEWALK SHALL BE CAREFULLY FINISHED WITH AN EDGING TOOL HAVING A RADIUS OF 1/2".
- EXPANSION JOINT: EXPANSION JOINTS BETWEEN THE SIDEWALKS AND THE CURB OR DRIVEWAY OR AT FIXED OBJECTS AND SIDEWALK INTERSECTIONS SHALL BE 1/2" MATERIAL. MATERIAL SHALL MEET THE REQUIREMENTS OF ASTM D1193 OR ASTM D1613. FOR LONG JOINTS, AN EXPANSION JOINT SHALL BE PLACED AT INTERVALS NOT TO EXCEED 120".
- CONTRACTION JOINTS:
OPEN TYPE JOINTS
OPEN TYPE CONTRACTION JOINTS SHALL BE FORMED BY STAKING A METAL BULKHEAD IN PLACE AND DEPOSITING THE CONCRETE ON BOTH SIDES. AFTER THE CONCRETE HAS SET SUFFICIENTLY TO PRESERVE THE WIDTH AND THE SHAPE OF THE JOINT, THE BULKHEAD SHALL BE REMOVED. AFTER THE SIDEWALK HAS BEEN FINISHED OVER THE JOINT, THE SLOT SHALL BE FINISHED WITH A TOOL HAVING A 1/2" RADIUS.
SAWED JOINTS
SLOT APPROXIMATELY 3/16" WIDE AND NOT LESS THAN 1" DEEP AT 10' CENTERS SHALL BE CUT WITH A CONCRETE SAW AFTER THE CONCRETE HAS SET.
- SIDEWALKS ALONG OTHER STREETS SHALL BE CONSTRUCTED AND DEDICATED AS REQUIRED BY THE APPROVING AUTHORITY WHEN NECESSARY TO CONTINUE AN EXISTING OR PROPOSED SIDEWALK.
- HANDICAP RAMPS SHALL MEET FLORIDA ACCESSIBILITIES STANDARDS, AND SECTIONS 301.2, 301.1 AND 301.2.
- ALL SIDEWALKS ON R/W WITHIN 10' OF AN EXISTING OR PROPOSED TREE THAT WILL EXCEED 6" IN DIAMETER AT MATURITY SHALL BE 5" THICK AND CONTAIN 2-#3 REBAR CENTERED VERTICALLY AND SPACED 3' ON CENTER. PALMS ARE NOT CONSIDERED TREES.

*NOTE: FOR COMPLETE SIDEWALK DETAILS, SEE F.D.O.T. DESIGN STANDARDS, 2006 EDITION, INDEX 304, SHEETS 1 THROUGH 8.

MANATEE COUNTY TRANSPORTATION DEPARTMENT DETAIL 301.0

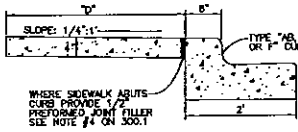
SIDEWALKS GENERAL NOTES

N.T.S.



A= BACK OF CURB TO R/W (VARIES)
B= UNPAVED AREA (VARIES) REFER TO F.D.O.T. GREEN BOOK, TABLE 3-12, LATEST REVISION.
C= VARIES, SEE 401 SERIES

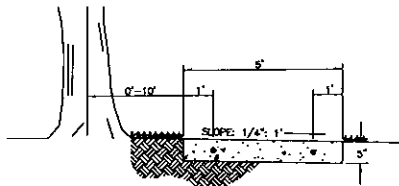
TYPICAL SIDEWALK LOCATION



D= SIDEWALK WIDTH SHALL BE 6" STANDARD, WHERE WALK ABUTS TYPE "A", "B" OR "C" CURB. WHERE SPEED LIMIT IS 25 MPH OR LESS, WIDTH CAN BE 8"-0".

* SEE SHEET 300.1 "GENERAL NOTES" FOR FURTHER INFORMATION

ALTERNATE SIDEWALK LOCATION

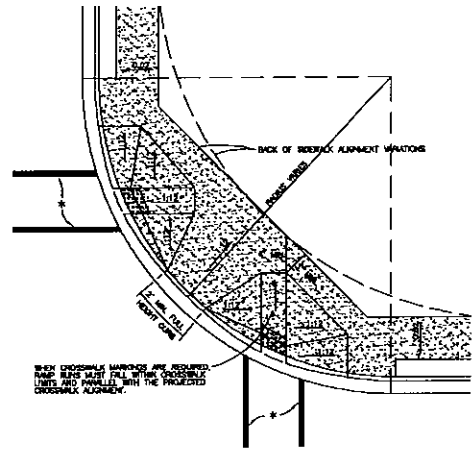


SIDEWALK LOCATION CLOSE TO TREES

MANATEE COUNTY TRANSPORTATION DEPARTMENT DETAIL 301.1

SIDEWALK REQUIREMENTS

N.T.S.



* CRITICAL WIDTHS AND CONFIGURATION MUST CONFORM TO FOOT INDEX NO. 17344 AND 17345.

NOTES:

DETECTABLE WARNINGS ON WALKING SURFACES

THE DETECTABLE WARNING SHALL EXTEND THE FULL WIDTH AND DEPTH OF THE CURB RAMP. DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 INCH, A HEIGHT OF NOMINAL 0.2 INCH AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.35 INCH AND SHALL CONTRAST VISUALLY WITH ADJACENT SURFACES, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT.

THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE. DETECTABLE WARNINGS USED ON INTERIOR SURFACES SHALL DIFFER FROM ADJACENT WALKING SURFACES IN RESILIENT OR SOUND-ON-ONE CONTACT.

THE MATERIAL USED TO PROVIDE CONTRAST SHOULD CONTRAST BY AT LEAST 70% CONTRAST IN PERCENT IS DETERMINED BY:
CONTRAST = [(B1-B2)/B1] x 100

WHERE B1 = LIGHT REFLECTANCE VALUE (LRV) OF THE LIGHTER AREA AND B2 = LIGHT REFLECTANCE VALUE (LRV) OF THE DARKER AREA.

NOTE THAT IN ANY APPLICATION BOTH WHITE AND BLACK ARE NEVER ABSOLUTE; THIS, BY NENK EQUALS 100 AND 92 IS ALWAYS GREATER THAN 0.

MANATEE COUNTY TRANSPORTATION DEPARTMENT DETAIL 302.3

CURB RAMP DETECTABLE WARNINGS

N.T.S.

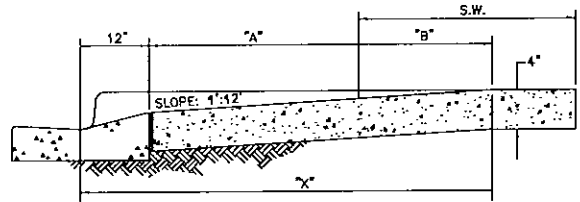
- CURB CUT RAMPS ARE TO BE LOCATED AS SHOWN ON PLANS.
- SEE SHEETS # 300.1 "GENERAL NOTES" & # 301.2 "HANDICAPPED RAMP" SHEET 2 FOR FURTHER REQUIREMENTS.
- RADIUS OF CURB VARIES AS FOLLOWS:
A) 25' RAD. LOCAL STREET WITH ALLEY.
B) 25' RAD. LOCAL STREET WITH LOCAL STREET.
C) 35' RAD. LOCAL STREET WITH THROUGHFARE OR COLLECTOR.
D) 50' RAD. THROUGHFARE WITH THROUGHFARE
- CURB RADIUS SHOULD BE A MINIMUM OF 50' WHERE INDUSTRIAL AND BUS TRAFFIC (5% OR MORE) IS ANTICIPATED ON LOWER CLASSIFICATION ROADWAYS.
- BOTH LOCATION OPTIONS FOR "HANDICAPPED RAMP" ARE SHOWN. ENGINEER MAY SELECT EITHER, WHICHEVER FITS THE SITUATION.

*NOTE: FOR COMPLETE HANDICAP, PUBLIC SIDEWALK AND CURB RAMP DETAILS, SEE F.D.O.T. DESIGN STANDARDS, 2006 EDITION, INDEX 304, SHEETS 1 THROUGH 8.

MANATEE COUNTY TRANSPORTATION DEPARTMENT DETAIL 302.1

HANDICAP RAMP SHEET 1

N.T.S.



SECTION A-A
(SEE SHEET 301.0)

S.W. = SIDEWALK "A" S.W.+ A + 10" "X" "B"

5'	0	5.8'	5.8'	5'
6'	0	6.8'	6.8'	6'
7'	0	7.8'	7.3'	6.5'
8'	0	8.8'	7.3'	6.5'
5'	2.5'	7.8'	7.8'	5'
5'	3'	8.3'	8.1'	4.8'
5'	3.5'	8.8'	8.2'	4.4'
5'	4'	9.3'	8.4'	4.1'
5'	4.5'	9.8'	8.6'	3.8'
5'	5'	10.3'	8.7'	3.4'
5'	5'	10.8'	9.1'	3.1'

*NOTE: FOR COMPLETE HANDICAP, PUBLIC SIDEWALK AND CURB RAMP DETAILS, SEE F.D.O.T. DESIGN STANDARDS, 2006 EDITION, INDEX 304, SHEETS 1 THROUGH 8.

MANATEE COUNTY TRANSPORTATION DEPARTMENT DETAIL 302.2

HANDICAP RAMP SHEET 2

N.T.S.

STREET NAME SIGN BLANKS

- BLANKS SHALL BE DOMESTIC ALUMINUM ALLOY, TYPE 6061-T6, WITH A THICKNESS OF .080 AND BE TREATED BY ALDOLINE 1200E PROCESS.
- BLANKS SHALL BE 9 INCHES IN HEIGHT BY THE APPROPRIATE LENGTH FROM 30 INCHES TO 48 INCHES IN 6 INCH INCREMENTS.

STREET NAME SIGN FACES

- THE BACKGROUND SHALL BE 8 INCHES IN HEIGHT BY THE APPROPRIATE LENGTH, MANUFACTURED WITH AT LEAST 3M IS-INTENSITY REFLECTIVE SHEETING OR APPROVED EQUAL, UNLESS HIGHER GRADES OF SHEETING ARE SPECIFIED.
- THE FOREGROUND SHALL BE 8 INCHES IN HEIGHT BY THE APPROPRIATE LENGTH SO AS TO MAINTAIN A 1/2 INCH BORDER AROUND THE SIGN.
- LETTER HEIGHTS AND SERIES FOR STREET NAMES, PREFIXES (WHEN USED), SUFFIXES AND BLOCK NUMBERS (WHEN USED) SHALL BE AS FOLLOWS:
A. THE STREET NAME SHALL BE 7 INCH, B SERIES, UPPER/LOWER CASE (SUCH AS GLENS ST. OR BENTLEY AVE.) STANDARD. A MINIMUM SIZE TO 5 INCH, B SERIES MAY BE USED TO ACCOMMODATE UNUSUALLY LONG OR CUMBERSOME NAMES.
B. PREFIXES AND SUFFIXES SHALL BE 7 INCH, B SERIES, UPPER/LOWER CASE, STANDARD. MINIMUM SIZES TO 2 INCH, SERIES B, UPPER CASE MAY BE ALLOWED AS NOTED ABOVE.
C. BLOCK NUMBERS SHALL BE 2 INCH, SERIES B, UNLESS OTHERWISE SPECIFIED.

STREET NAME SIGN MANUFACTURE (LAYOUT, ASSEMBLY, ETC.)

- EACH STREET NAME SHALL BE MANUFACTURED USING TWO (2) ALUMINUM STREET NAME SIGN BLANKS (FIGURE 553-A PROVIDES AN EXAMPLE FOR THE 30 INCH AND THE 36 INCH BLANKS), MOUNTED BACK TO BACK ON A GALVANIZED STEEL STREET NAME SIGN BRACKET (FIGURE 553-B), USING POP BOLTS TO SECURE THE SIGN. THE CENTER HOLES SHOWN IN FIGURE 553-A SECURE THE STREET NAME SIGN BLANK BACK TO BACK PAIR TO THE BRACKET AND THE END HOLES SECURE THE BLANKS TO EACH OTHER FOR RIGIDITY.
- IN CASES WHERE NUMBERS COMPREHEND THE STREET NAME, SUCH AS 3 RD ST, THE STREET NAME SIGN SHALL BE MANUFACTURED SO THAT RD IS AS FOLLOWS: 3P ST IN THIS (AND SIMILAR SITUATIONS), THE RD SHALL BE 2 INCH, SERIES B, UPPER CASE ONLY.
- STREET NAME SIGN BLANK LENGTHS SHALL BE DETERMINED BY THE NUMBER OF LETTERS AND NUMBERS IN THE STREET AS FOLLOWS:
A. 1-6 LETTERS - 30 INCH
B. 7-8 LETTERS - 36 INCH
C. 9-10 LETTERS - 42 INCH
D. 11-12 LETTERS - 48 INCH
E. FOR 13 OR MORE LETTERS, LETTER SIZE AND SERIES AS NOTED ABOVE, MAY BE ADJUSTED TO ALLOW THE NAME TO FIT ON THE 48 INCH BLANK.
- IN ORDER TO PROVIDE CLARIFICATION AS TO WHICH ROADWAYS IN MANATEE COUNTY ARE PUBLICLY MAINTAINED (PUBLIC) AND PRIVATELY MAINTAINED (PRIVATE), PUBLIC ROADWAYS SHALL HAVE A GREEN BACKGROUND WITH WHITE LETTERS, NUMBERS AND BORDERS AND AND BORDERS AND PRIVATE ROADWAYS SHALL HAVE A YELLOW BACKGROUND WITH GREEN LETTERS AND NUMBERS.

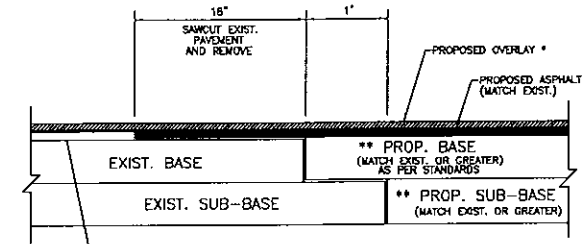
STREET NAME SIGN INSTALLATION

- IN GENERAL, ALL STREET NAME SIGN ASSEMBLIES ARE MOUNTED ON TOP OF A STANDARD GALVANIZED U-CHEMEL POST. IN MOST CASES, THE STREET NAME SIGN ASSEMBLY WILL BE MOUNTED IN COMBINATION WITH A STOP SIGN SO AS TO REDUCE THE NUMBER OF SIGN FIXTURES IN THE FIELD.

MANATEE COUNTY TRANSPORTATION DEPARTMENT DETAIL 553.0-1

STREET NAME SIGNS (GROUND MOUNTED) HARDWARE/MATERIAL SPECIFICATIONS

N.T.S.



* NOTE: LIMITS OF OVERLAY - EDGE OF PAVEMENT TO EDGE OF PAVEMENT AND 25' BEYOND LIMITS OF CONSTRUCTION.

** NOTE: CONNECTION TO OLDER (SUBSTANDARD THICKNESS) ROADS MAY REQUIRE THICKER PROPOSED BASE AND SUB-BASE TO MEET CURRENT STANDARDS.

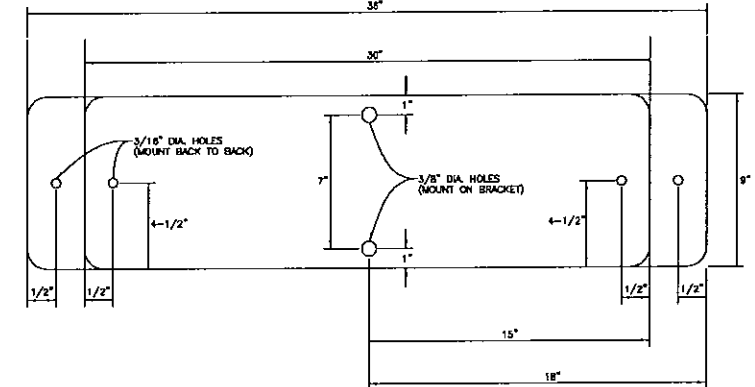
STORAGE AND MARKING PLAN SHALL ACCOMPANY CONSTRUCTION PLAN.

MANATEE COUNTY TRANSPORTATION DEPARTMENT DETAIL 403.3

ROAD CONNECTION DETAIL

N.T.S.

FIGURE 553-A



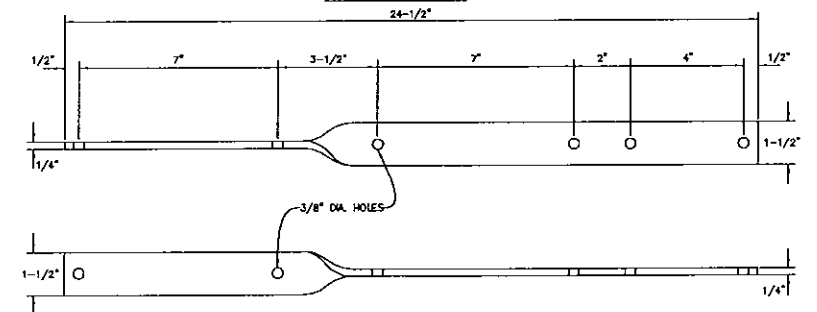
ALUMINUM STREET NAME SIGN BLANK

MANATEE COUNTY TRANSPORTATION DEPARTMENT DETAIL 553.2

STREET NAME SIGNS (GROUND MOUNTED) HARDWARE/MATERIAL SPECIFICATIONS

N.T.S.

FIGURE 553-B



GALVANIZED STEEL STREET NAME SIGN BRACKET

MANATEE COUNTY TRANSPORTATION DEPARTMENT DETAIL 553.3

STREET NAME SIGNS (GROUND MOUNTED) HARDWARE/MATERIAL SPECIFICATIONS

N.T.S.

NO.	BY	DATE	DESCRIPTION
1	PSN	4-19-08	PLAN REVISIONS PER SWF AND COMMENTS
2	DNS	6-08-08	REVISED PER SHWING LETTER DATED MAY 8TH, 2008
3	PSN	10-22-08	PLAN REVISIONS PER MANATEE COUNTY LETTER DATED 9-15-08
4	DNS	01-16-09	PLAN REVISIONS PER MANATEE COUNTY LETTER DATED 9-17-08

NO.	BY	DATE	DESCRIPTION
5			
6			
7			
8			
9			
10			

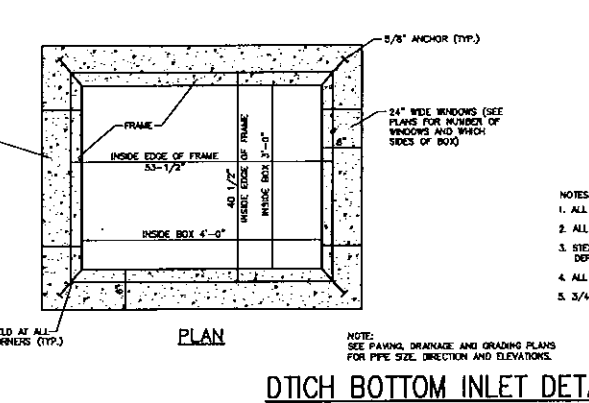
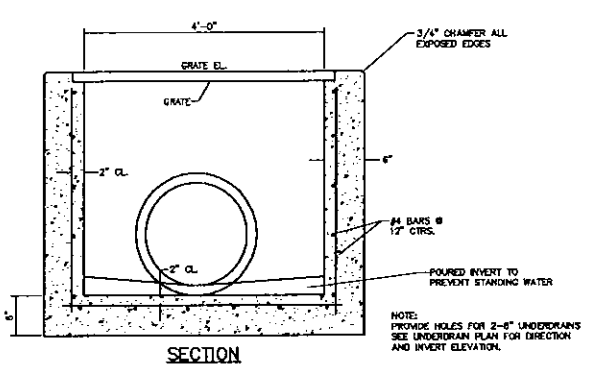
George F. Young, Inc.
10040 PORTAL CROSSING, SUITE 105, BRADENTON, FLORIDA 34211
PHONE (941) 741-2881 FAX (941) 741-7234
ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21
ARCHITECTURE, ENGINEERING, ENVIRONMENTAL, LANDSCAPE PLANNING, SURVEYING, UTILITIES
SINCE 1919 GAINESVILLE LAKEWOOD RANCH ORLANDO PALM BEACH GARDENS ST. PETERSBURG TAMPA VENICE

TASK	INITIALS	DATE
DESIGN	PSN	3-01-07
DRAWING	PSN	3-01-07
CHECKED	O'NEILL	
QUANTITY		
SCALE	NTS	

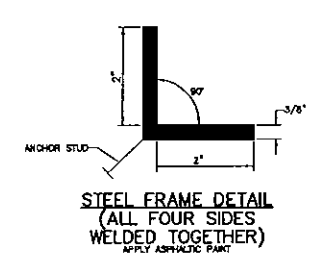
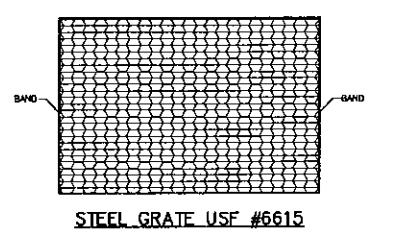
PREPARED FOR:
JOE'S CREEK HOLDINGS 1, LLC
6550 53rd STREET
PINELLAS PARK, FLORIDA 33761

TERRA CEIA PALMS SUBDIVISION
PAVING, GRADING, AND DRAINAGE DETAILS
SECTION 2, TOWNSHIP 34 S., RANGE 17 E.

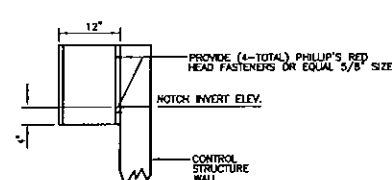
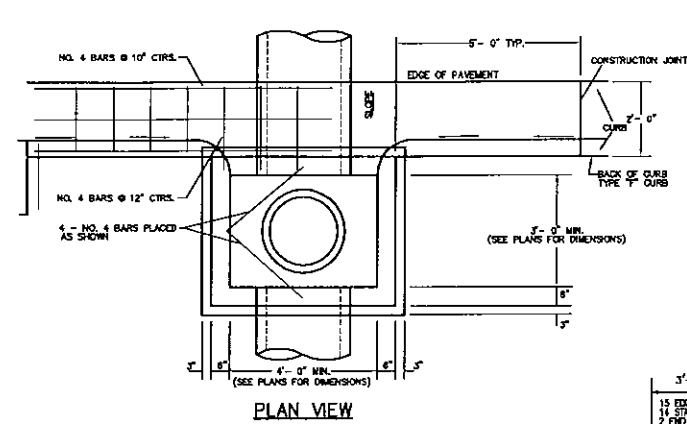
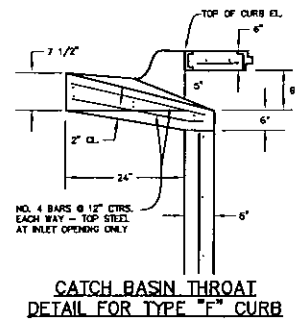
JOB NO
0671018400
SHEET NO.
C8



DITCH BOTTOM INLET DETAIL
N.T.S.



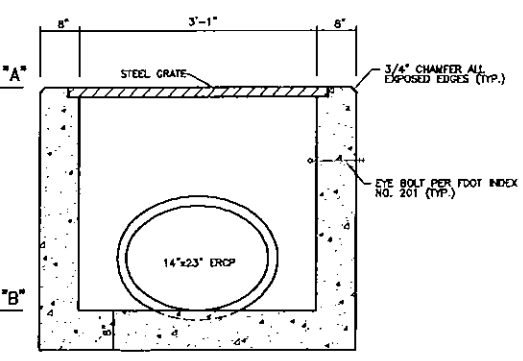
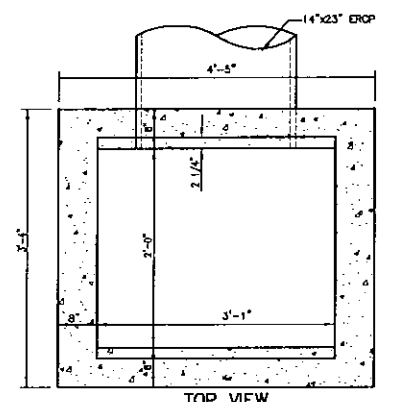
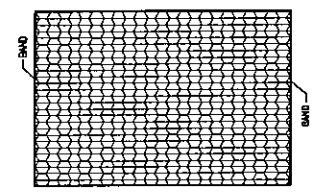
- NOTES:
1. ALL CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF AT LEAST 4000 P.S.I. @ 28 DAYS.
 2. ALL STEEL TO HAVE A MINIMUM 2" CLEARANCE UNLESS OTHERWISE NOTED.
 3. STEEL REINFORCEMENT SHALL MEET ASTM SPECIFICATIONS (A-615), DEFORMED BARS.
 4. ALL INLETS TO HAVE FIELD POURED INVERTS TO ELIMINATE STANDING WATER.
 5. 3/4" CHAMFER ALL EXPOSED EDGES.



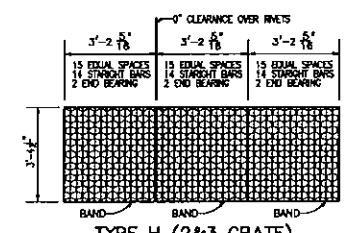
SKIMMER PLATE DETAIL
N.T.S.

CONTROL STRUCTURE TABLE

CONTROL STRUCTURE NO.	ELEV. "A"	ELEV. "B"	PIPE SIZE (CRCP)	PIPE INV. ELEV.	NOTCH WIDTH	NOTCH INVERT ELEV.
CS-1	8.17	8.20	(2)14"x23"	8.20	7.2"	7.50
CS-1A	8.00	8.25	(1)14"x23"	8.25	N/A	N/A
CS-2	8.23	3.40	(1)12"x18"	3.40	8"	4.50

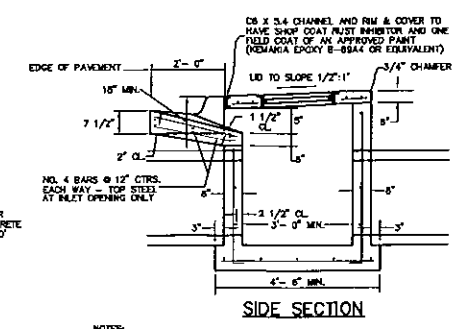
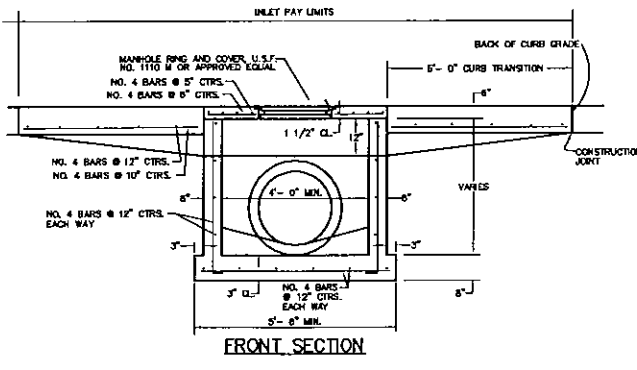


CONTROL STRUCTURE (CS-1A)
(MODIFIED TYPE "C" INLET)
PER FOOT INDEX NO. 232
N.T.S.



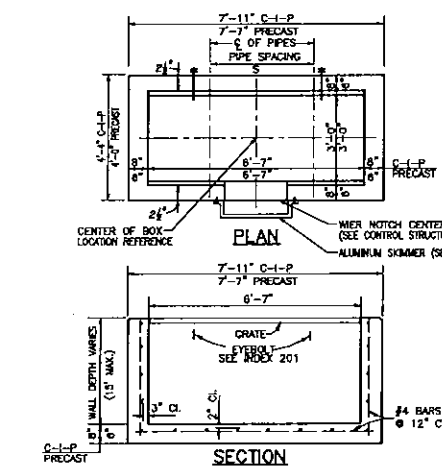
HORIZONTAL WALL REINFORCING SCHEDULES (TABLE 4)

WALL DEPTH	SCHEDULE	AREA (IN. 2/FT.)	MAX. SPACING	W/WF
0'-5"	B5.5	0.24	8 1/2"	5"
5'-7"	C6.5	0.37	6 1/2"	6"
7'-15"	D4.5	0.53	4 1/2"	4"



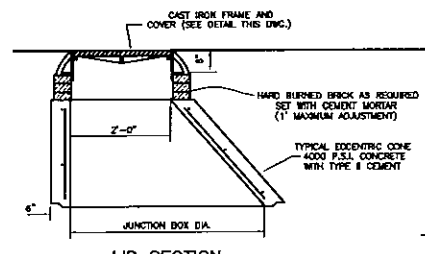
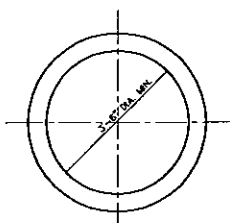
- NOTES:
1. ALL CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF AT LEAST 4000 P.S.I. @ 28 DAYS.
 2. ALL STEEL TO HAVE A MINIMUM 2 1/2" CLEARANCE UNLESS OTHERWISE NOTED.
 3. STEEL REINFORCEMENT SHALL MEET ASTM SPECIFICATIONS (A-615), DEFORMED BARS.
 4. ALL INLETS TO HAVE FIELD POURED INVERTS TO ELIMINATE STANDING WATER.
 5. CONFORM TO MANATEE COUNTY DETAIL 202.2.

TYPE "F" INLET
STANDARD OPEN THROAT DROP INLET
N.T.S.

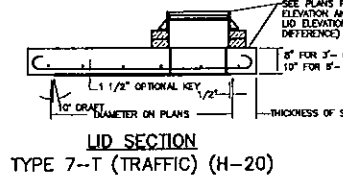
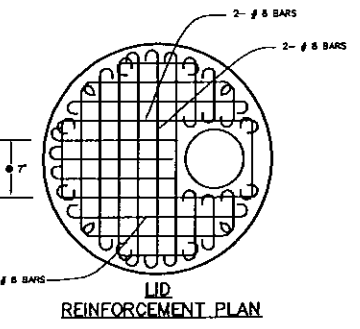


CONTROL STRUCTURES CS-1 AND CS-2
MODIFIED TYPE "H" (2&3 GRATE INLET)
PER FOOT INDEX NO. 232
N.T.S.

- NOTE:
- (1) ALL CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF AT LEAST 4000 P.S.I. @ 28 DAYS.
 - (2) REINFORCING SHOWN IS THE MINIMUM REQUIRED. IF DIMENSIONS OF BOX REQUIRES ADDITIONAL REINFORCING, IN ORDER TO CARRY DESIGN LOADS, MANUFACTURER SHALL PROVIDE ADDITIONAL REINFORCING AS REQUIRED.



FRAME AND COVER SECTION
U.S. FOUNDRY 170 H OR APPROVED EQUAL
(WHEEL LOAD H-20)
1 FIELD COAT OF ASPHALTIC PAINT FOR FRAME AND COVER
STANDARD JUNCTION BOX
N.T.S.



- ALL REINFORCEMENT NO. 8 BARS EXCEPT 2# 8 BARS SHOWN. BARS SPACED @ 8" CENTERS BOTH WAYS EXCEPT WHEEL BARS @ 7" CENTERS. ALL BARS WITH 45° STANDARD HOOKS CANTED APPROX. 45°, OR EMBEDDED IN ACCORDANCE WITH THE SLAB REINFORCEMENT DETAIL SHOWN UNDER ORIGINAL CONSTRUCTION JOINTS. SETS OF 6, EXCEPT ALL 2# BARS AND 4# BARS AROUND MANHOLE OPENING SHALL BE HOOKED.

REVISIONS

NO.	BY	DATE	DESCRIPTION
1	PSM	4-15-08	PLAN REVISIONS PER SHEET COMMENTS
2	DNS	6-06-08	REVISED PER SIGNATURE LETTER DATED MAY 6TH, 2008
3	PSM	10-22-08	PLAN REVISIONS PER MANATEE COUNTY LETTER DATED 9-15-08
4	DNS	01-16-09	PLAN REVISIONS PER MANATEE COUNTY LETTER DATED 9-17-08
5	PSM	4-27-09	REVISED PER 3-16-09 STORMWATER LETTER

REVISIONS

NO.	BY	DATE	DESCRIPTION
6			
7			
8			
9			
10			

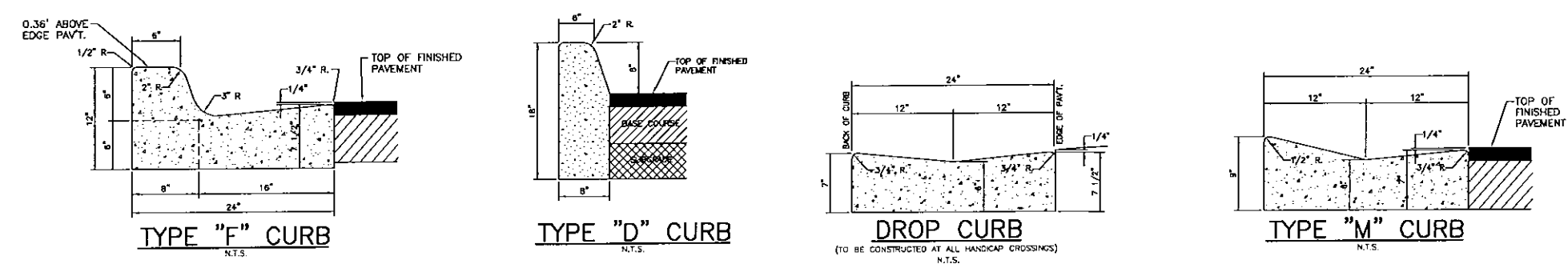
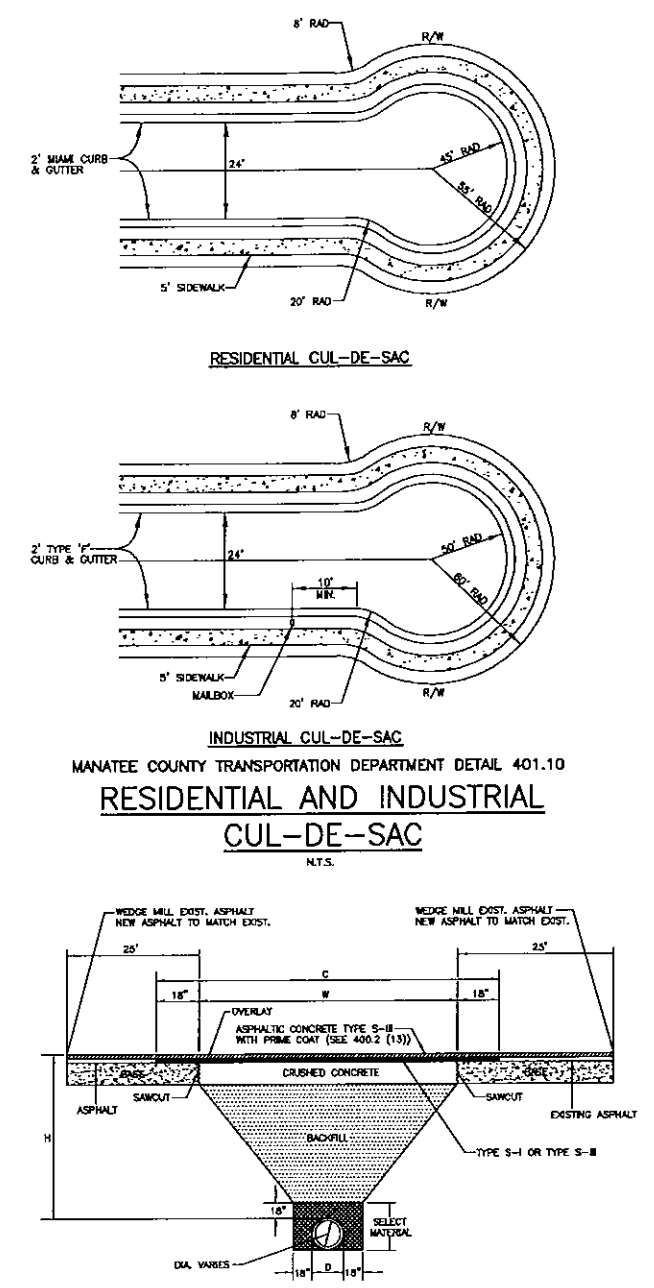
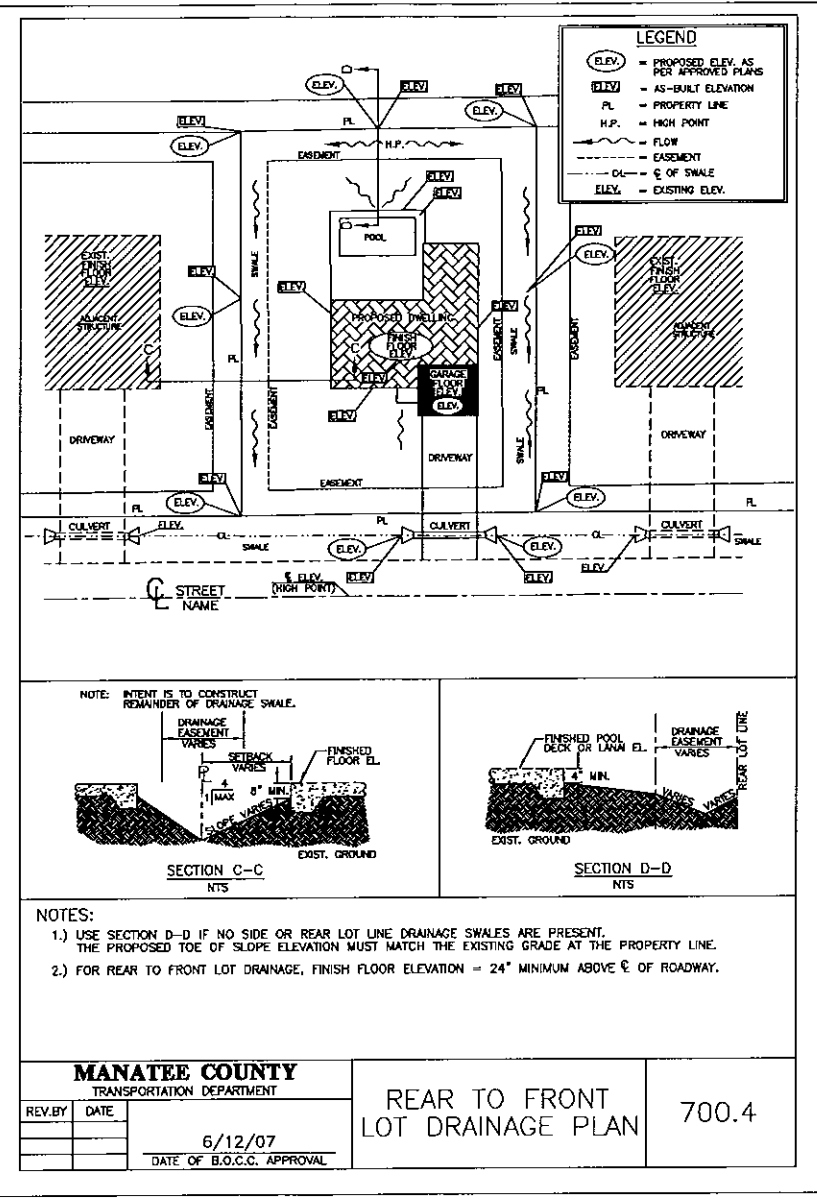
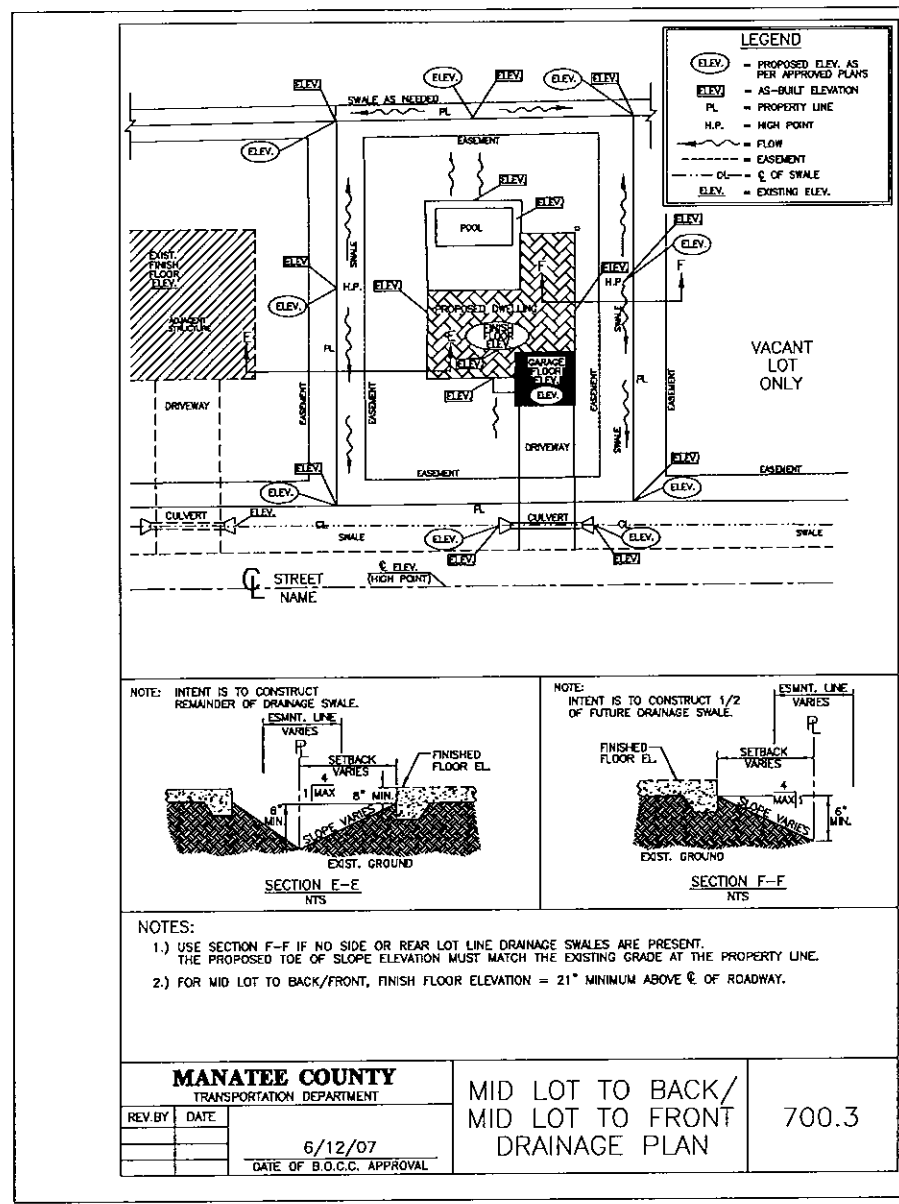
George F. Young, Inc.
10540 PORTAL CROSSING, SUITE 106 BRADENTON, FLORIDA 34211
PHONE (841) 747-2891 FAX (841) 747-7334
ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 31
ARCHITECTURE, ENGINEERING, ENVIRONMENTAL, LANDSCAPE PLANNING, SURVEYING/UTILITIES
SINCE 1919 GANESVILLE, LAKEWOOD RANCH ORLANDO, PALM BEACH GARDENS, ST. PETERSBURG, TAMPA, VENICE

TASK INITIALS DATE
DESIGN SJZE 3-01-07
DRAWN SJZE 3-01-07
CHECKED JONLL
SCALE: NTS
DATE: NTS

PREPARED FOR: JOE'S CREEK HOLDINGS 1, LLC
6550 53RD STREET
PINELLAS PARK, FLORIDA 33781

TERRA CEIA PALMS SUBDIVISION
PAVING, GRADING, AND DRAINAGE DETAILS
SECTION 2, TOWNSHIP 34 S., RANGE 17 E.

JOB NO. 0671018400
SHEET NO. C9

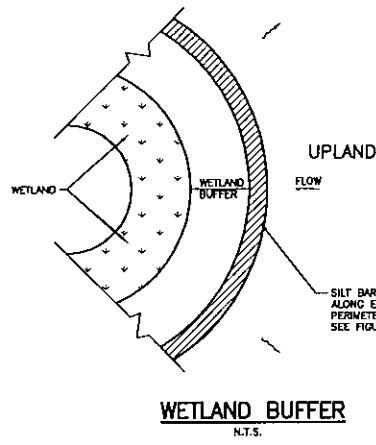


- CRUSHED CONCRETE BASE SHALL BE A MINIMUM OF 8" THICK AND A MINIMUM OF 18" IN WIDTH, OR GREATER, WHERE DISTURBED AREA IS GREATER THAN 18" FROM EQUATION: $W = (2 \times H) + D + (2 \times 18)$. SAND ASPHALT BASE WILL BE AN ACCEPTABLE ALTERNATE.
- BACKFILL ASHTO M145-66 SHALL BE PLACED IN LAYERS NOT TO EXCEED 6", EACH LAYER WILL BE THOROUGHLY TAMPED AND/OR ROLLED TO 98% OF MODIFIED PROCTOR MAXIMUM DENSITY (ASHTO T-190), NON-SHAKING, HIGH SLUMP, 1,500 PSI CONC. BACKFILL MAY BE USED AS AN ALTERNATE IF APPROVED BY TRANSPORTATION DEPARTMENT.
- SELECT MATERIAL, ASHTO M-145-70, SHALL BE PLACED ON BOTH SIDES OF THE PIPE SIMULTANEOUSLY, COMPACT AREA UNDER HALFOUCHES OF THE PIPE W/ MECHANICAL TAMPERS, AND THROUGHOUT THE REMAINDER OF THE SELECT MATERIAL.
- ASPHALTIC CONCRETE FROTH COURSE, SHALL BE THE SAME DEPTH AND TYPE AS EXISTING OR A MINIMUM OF 1/2" MINIMUM OF 30" UNDER FLOORLINE OF SIDE DITCHES.
- 1/2" = THE DEPTH FROM TOP OF PIPE TO THE CENTERLINE OF THE ROAD (MINIMUM OF 30")
- RESTORE EXISTING SIGNAGE & MARKING WITH THERMOPLASTIC PER F.D.O.T. STANDARDS.

MANATEE COUNTY TRANSPORTATION DEPARTMENT DETAIL 403.2

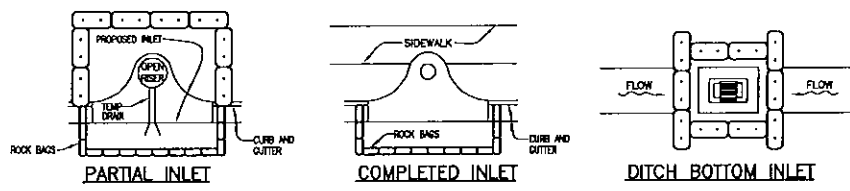
UTILITY ROAD CUT REPLACEMENT

N.T.S.

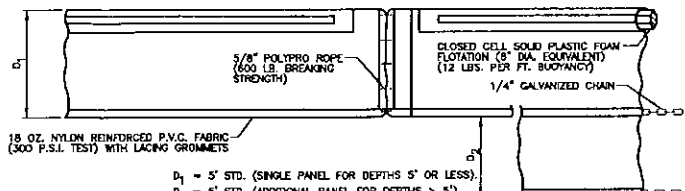


WETLAND BUFFER
N.T.S.

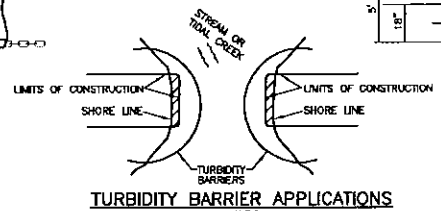
SILT BARRIER OR SILT FENCE ALONG ENTIRE WETLAND PERIMETER SEE FIGURE 2 AND 3



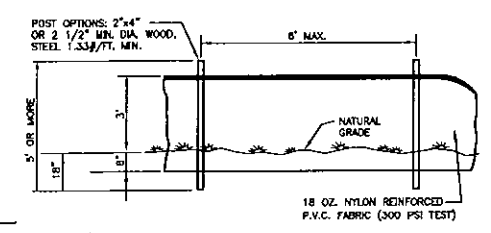
PROTECTION AROUND INLETS OR SIMILAR STRUCTURES
N.T.S.



TYPE I FLOATING TURBIDITY BARRIER
N.T.S.



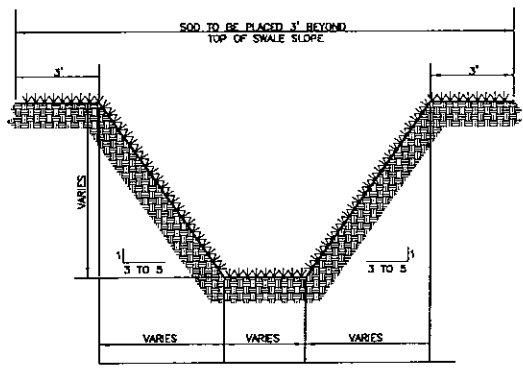
TURBIDITY BARRIER APPLICATIONS
N.T.S.



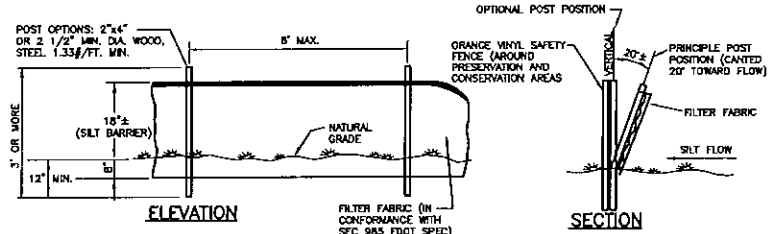
STAKED TURBIDITY BARRIER
N.T.S.

NOTES:

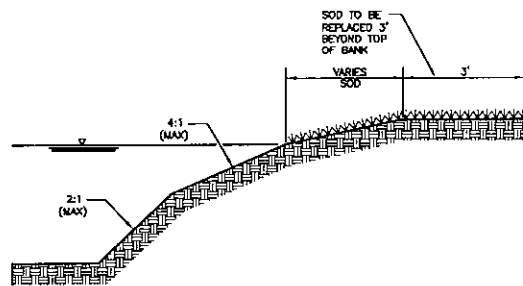
- 1) TURBIDITY OF TYPE I MAY BE USED IN ALL PERMANENT BODIES OF WATER REGARDLESS OF WATER DEPTH.
- 2) NUMBER AND SPACING OF ANCHORS DEPENDENT ON WATER VELOCITIES.
- 3) DEPLOYMENT OF BARRIER AROUND PILE LOCATIONS MAY VARY TO ACCOMMODATE CONSTRUCTION OPERATIONS.
- 4) NAVIGATION MAY REQUIRE SEGMENTING BARRIER DURING CONSTRUCTION OPERATIONS.
- 5) TURBIDITY BARRIERS FOR FLOWING STREAMS, AND TIDAL CREEKS MAY BE EITHER FLOATING OR STAKED TYPES THAT WILL SUIT SITE CONDITIONS AND MEET EROSION CONTROL AND WATER QUALITY REQUIREMENTS.
- 6) THE BARRIER TYPE(S) WILL BE AT THE CONTRACTOR'S OPTION UNLESS OTHERWISE SPECIFIED IN THE PLANS, HOWEVER PAYMENT WILL BE UNDER THE PAY ITEM(S) ESTABLISHED IN THE PLANS FOR FLOATING TURBIDITY BARRIERS AND/OR STAKED TURBIDITY BARRIERS.
- 7) POSTS IN STAKED TURBIDITY BARRIERS TO BE INSTALLED IN VERTICAL POSITION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- 8) SUBSTITUTIONS FOR TYPE I SHALL BE AS APPROVED BY ENGINEER.
- 9) COMPONENTS OF TYPE I MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER.



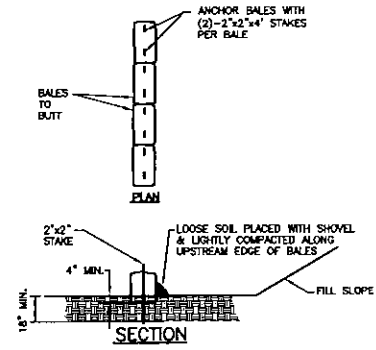
TYPICAL SWALE SECTION
N.T.S.



TYPICAL SILT FENCE
N.T.S.

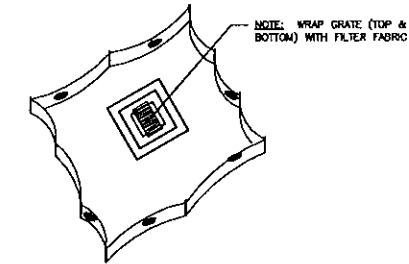


TYPICAL RETENTION/DETENTION POND SECTION
N.T.S.

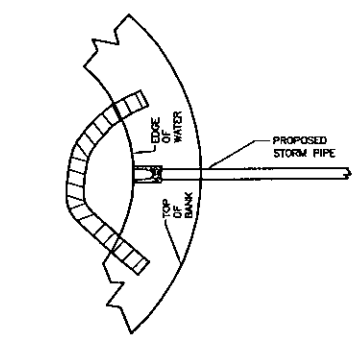


TYPICAL BALE SILT BARRIER
N.T.S.

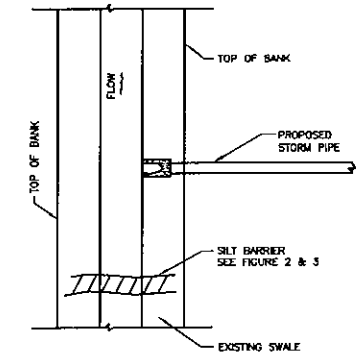
TURBIDITY BARRIERS
N.T.S.



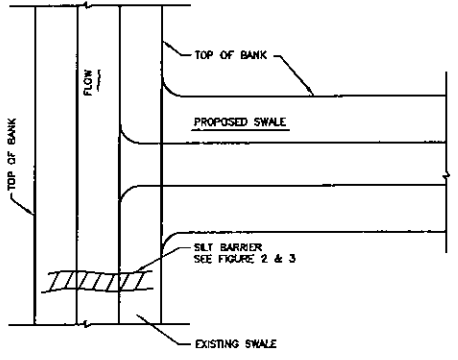
STAKED SILT BARRIER OR SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS
N.T.S.



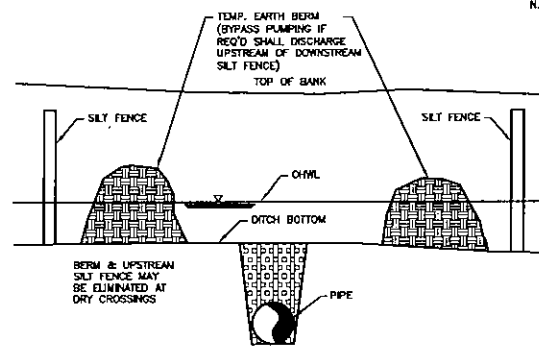
TURBIDITY BARRIER AT CONNECTION OF STORM PIPE TO EXISTING LAKE
N.T.S.



SILT BARRIER AT CONNECTION OF STORM PIPE TO EXISTING SWALE
N.T.S.



SILT BARRIER AT CONNECTION OF SWALE TO EXISTING SWALE
N.T.S.



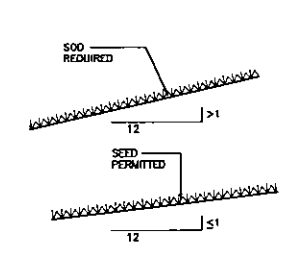
UNDERGROUND PIPE CROSSING
N.T.S.

EROSION AND SEDIMENT CONTROL PLAN (ESCP)

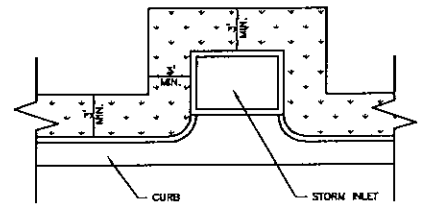
1. EROSION/SEDIMENT CONTROL BMP IN ADDITION TO THOSE PRESENTED ON THE PLANS SHALL BE IMPLEMENTED AS NECESSARY TO PREVENT TURBID DISCHARGES FROM FLOWING ONTO ADJACENT PROPERTY OR ROADWAYS. CONTROLS SHALL BE DESIGNED, INSTALLED, AND MAINTAINED AS REQUIRED BY THE ENGINEER AND/OR CONTRACTOR TO ENSURE SURFACE WATER QUALITY CONDITIONS ARE IN COMPLIANCE WITH STATE WATER QUALITY STANDARDS, AND MANATEE COUNTY LDC SECTION 508.3.4.7.1.
2. THE CONTRACTOR SHALL REPORT ALL OFFSITE SURFACE WATER DISCHARGES WITH TURBIDITY IN EXCESS OF 25 NTU'S (NEPHELOMETRIC TURBIDITY UNITS) ABOVE BACKGROUND LEVEL TO WATER RESOURCES WITHIN 24 HOURS AFTER OCCURRENCE (941-961-6228 OR FAX 941-961-6270). NOTIFICATION SHALL INCLUDE CAUSE OF THE PROBLEM, CORRECTIVE ACTIONS TAKEN, AND INSTALLATION OF ADDITIONAL EROSION/SEDIMENT CONTROLS NOT SHOWN ON THE APPROVED CONSTRUCTION PLAN DRAWINGS.
3. THE CONTRACTOR SHALL ENSURE THAT ADJACENT PROPERTIES ARE NOT IMPACTED BY WIND EROSION OR EMISSIONS OF UNCONTAINED PARTICULATE MATTER IN ACCORDANCE WITH RULE 62-206.320(4) (C)1., FLORIDA ADMINISTRATIVE CODE, FROM THE CONSTRUCTION SITE BY TAKING ADEQUATE MEASURES TO STABILIZE AFFECTED AREAS.
4. FUEL AND OTHER PETROLEUM PRODUCT SPILLS THAT ENTER STORM WATER DRAINAGES OR WATER BODIES, OR FUEL AND OTHER PETROLEUM PRODUCT SPILLS THAT ARE IN EXCESS OF 25 GALLONS SHALL BE CONTAINED, CLEANED UP AND REPORTED IMMEDIATELY TO WATER RESOURCES (941-961-6220). SMALLER GROUND SURFACE SPILLS SHALL BE CLEANED UP AS SOON AS PRACTICAL.
5. CONSTRUCTION IS ANTICIPATED TO BEGIN IN NOV. 2008 AND END APRIL 2009.
6. EXCAVATED MATERIAL WILL BE PLACED ON SITE. UNSUITABLE MATERIAL WILL BE TRUCKED AWAY.
7. STOCKPILE AREAS WILL BE ON THE BUILDING LOTS EXCEPT LOTS 21-24.
8. EROSION AND SEDIMENT CONTROL DEVICES WILL BE INSTALLED PRIOR TO CONSTRUCTION AND WILL BE INSPECTED WEEKLY AND REPAIRED AS NECESSARY BY THE GENERAL CONTRACTOR.
9. HAUL ROUTE IS US-41 TO 33RD STREET WEST, INGRESS/EGRESS WILL HAVE 40 LF. OF #57 ROCK.
10. CONTRACTOR HAS NOT BEEN DETERMINED, INTERMEDIATE CONTACT IS GEORGE TOCEALINO (727)528-0178.
11. DENATERING SUMP LOCATIONS ARE ON LOTS 10 & 19 IF REQUIRED.
12. DEVELOPER WILL SCHEDULE AN ON-SITE MEETING WITH END PRIOR TO CONSTRUCTION.
13. WETLAND BUFFERS WILL BE STAKED PRIOR TO CONSTRUCTION.
14. THE ENTIRE SITE, EXCEPT FOR THE EXISTING DITCH, WETLANDS & WETLAND BUFFER WILL BE CLEARED.
15. IT IS ANTICIPATED THAT THE CONSTRUCTION WILL BE ONGOING EXCEPT FOR WEATHER DELAYS. ONCE GRADING IS COMPLETED AREAS WILL BE STABILIZED BY SEEDING.

THE UNDERSIGNED, AS AN AUTHORIZED REPRESENTATIVE OF JOE'S CREEK HOLDINGS 1, INC. ACKNOWLEDGES RESPONSIBILITY FOR BEST MANAGEMENT PRACTICES AS THEY RELATE TO THE EROSION CONTROL AND SURFACE WATER MANAGEMENT SYSTEMS.

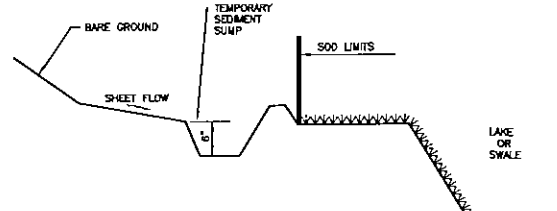
AUTHORIZED REPRESENTATIVE SIGNATURE _____ DATE _____



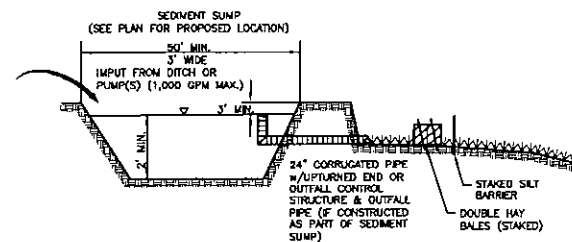
GRASS SLOPES
N.T.S.



SOD AROUND CURB AND AROUND INLET
N.T.S.



TEMPORARY SEDIMENT SUMP
N.T.S.



SEDIMENT SUMP SECTION
N.T.S.

NO.	BY	DATE	DESCRIPTION	NO.	BY	DATE	DESCRIPTION
1	PSN	4-15-08	PLAN REVISIONS PER SFWMD COMMENTS	6			
2	DNS	5-06-08	REVISED PER SFWMD LETTER DATED MAY 6TH, 2008	7			
3	PSN	10-22-08	PLAN REVISIONS PER MANATEE COUNTY LETTER DATED 9-15-08	8			
4	DNS	02-16-09	PLAN REVISIONS PER MANATEE COUNTY LETTER DATED 9-17-08	9			
5				10			

George F. Young, Inc.
10540 PORTAL CROSSING, SUITE 106 BRADENTON, FLORIDA 34211
PHONE (941) 747-2981 FAX (941) 747-7234
ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21
ARCHITECTURE-ENGINEERING-ENVIRONMENTAL-LANDSCAPE-PLANNING-SURVEYING-UTILITIES
Since 1919 GAINESVILLE-LAKEMOOD RANCH ORLANDO PALM BEACH GARDENS ST. PETERSBURG TAMPA-VENICE

TASK (INITIALS) DATE
DESIGN SHEKE 3-01-07
DRAWING SHEKE 3-01-07
CHECKED O'NEILL
SCALE N.T.S.

PREPARED FOR:
JOE'S CREEK HOLDINGS 1, LLC
6550 53rd STREET
PINELLAS PARK, FLORIDA 33781

TERRA CEIA PALMS SUBDIVISION
BEST MANAGEMENT PRACTICES DETAILS
SECTION 2, TOWNSHIP 34 S., RANGE 17 E.

JOB NO. 0671018400
SHEET NO. C10

EROSION AND SEDIMENT CONTROL PLAN IN ACCORDANCE WITH MANATEE COUNTY LAND DEVELOPMENT CODE (SECTION 508.3.4.7.J)

1). DETAILS OF CONSTRUCTION SEQUENCING, DE-WATERING ACTIVITIES AND SUMP LOCATIONS, STOCKPILE AREAS AND/OR DEPOSITION AREAS FOR EXCAVATED MATERIALS.

A. DESCRIPTION OF LAND CLEARING/DISTURBING ACTIVITIES, EXISTING SITE CONDITIONS AND ADJACENT LAND USES/AREAS THAT MIGHT BE AFFECTED BY LAND CLEARING/DISTURBANCES.

THE SITE ELEVATION VARIES FROM 1.3±' TO 3±'. THE SITE SLOPES FROM THE SOUTH TO THE NORTH AND IS SURROUNDED TO THE SOUTH BY 33rd STREET TO THE SOUTH, SINGLE FAMILY RESIDENTIAL TO THE EAST, SINGLE FAMILY RESIDENTIAL, AGRICULTURAL, AND GRAZING TO THE WEST AND TERRA CEIA BAY TO THE NORTH. CLEARING SHALL CONSIST OF STRIPPING TOPSOIL AS NECESSARY TO CONSTRUCT THE REQUIRED SITE IMPROVEMENTS. THE ENTIRE SITE WITH THE EXCEPTION OF THE EXISTING DRAINAGE EASEMENT TO THE WEST, WETLAND, WETLAND BUFFER AND TREES TO BE PROTECTED WILL BE CLEARED.

B. IDENTIFICATION OF STOCKPILE AREAS AND/OR DEPOSITION AREAS FOR EXCAVATED MATERIALS.

TOPSOIL WILL BE STOCKPILED AS DETERMINED BY THE SELECTED CONTRACTOR. OFFSITE FILL WILL BE DEPOSITED DIRECTLY AS REQUIRED AND WILL NOT BE STOCKPILED.

C. DESCRIPTION OF POTENTIAL ON-SITE PROBLEM AREAS SUCH AS STEEP GRADE CHANGES, HIGHLY ERODIBLE SOILS, AREAS ADJACENT TO WETLANDS, SURFACE WATER, OR UPLAND PRESERVATION AREAS.

THERE ARE NO STEEP GRADES PROPOSED. THERE ARE NO KNOWN ERODIBLE SOILS.

D. CONSTRUCTION SCHEDULING, INCLUDING THE EXPECTED STARTING AND STABILIZATION DATES.

CONSTRUCTION IS EXPECTED TO BEGIN IN 2010, WITH THE FOLLOWING ACTIVITIES:

- CLEAR AND GRUB FOR TEMPORARY SEDIMENT BASIN, IF REQUIRED
- CONSTRUCT SEDIMENTATION BASIN, IF REQUIRED
- CONTINUE CLEANING, GRUBBING, AND GRADING
- PILE TOPSOIL
- IMPORT AND PLACE FILL MATERIALS
- APPLY MATERIAL FOR STORAGE, QUEING AREAS
- COMPLETE GRADING AND INSTALL PERMANENT SEEDING AND PLANTINGS

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.

THERE SHOULD NOT BE ANY DISTURBED AREAS WHERE CONSTRUCTION WILL NOT BE ONGOING. NO TEMPORARY STABILIZATION IS PROPOSED. HOWEVER, IF THIS DOES OCCUR, TEMPORARY STABILIZATION BY SEED AND MULCH WILL BE REQUIRED.

2). DETAILS OF BEST MANAGEMENT PRACTICES AND FUGITIVE PARTICLE 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.

PLEASE REFER TO SHEETS C5 AND C6 FOR LOCATIONS OF SILT FENCE. PLEASE REFER TO SHEET C10 FOR BEST MANAGEMENT PRACTICES FOR DETAILS ON THE PROPOSED EROSION AND SEDIMENT CONTROL.

B. MAINTENANCE PROGRAM FOR EROSION AND SEDIMENT CONTROL DEVICES INCLUDING INSPECTION FREQUENCY AND MAINTENANCE ACTIVITIES.

- ALL CONTROL MEASURES WILL BE INSPECTED AT LEAST ONCE EACH WEEK AND FOLLOWING ANY STORM EVENT OF 0.50 INCHES OR GREATER.
- ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF THE REPORT.
- BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE OR HAY BALES WHEN IT HAS REACHED ONE-HALF THE HEIGHT OF THE FENCE OR HAY BALE.
- SEDIMENT SHALL BE REMOVED FROM THE STORM DRAIN INLET OR CURB INLET SEDIMENT PROTECTION DEVICE AND RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF OF THE DESIGN DEPTH.
- SILT FENCE WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.
- THE SEDIMENT BASIN WILL BE INSPECTED FOR DEPTH OF SEDIMENT, AND BUILT UP SEDIMENT WILL BE REMOVED.
- PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES WILL RECEIVE TRAINING FROM SITE SUPERINTENDENT FOR INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ON SITE IN GOOD WORKING ORDER.

C. HAUL ROUTES AND DETAILS OF APRON STABILIZATION AT INGRESS/EGRESS POINTS TO RIGHT-OF-WAY.

THE CONTRACTOR WILL USE THE PROPOSED ACCESS DRIVE LOCATION FOR ACCESS TO AND FROM THE SITE. THE HAUL ROUTE IS 33rd STREET W. TO U.S. 41

D. DETAILS/LOCATION OF EQUIPMENT WASHING AREA.

EQUIPMENT WASHDOWN IS NOT ANTICIPATED. IF THIS DOES OCCUR, THE SILT BARRIER AND/OR TURBIDITY BARRIER SHOULD CONTROL THIS.

E. DETAILS OF FUGITIVE PARTICLE ABATEMENT METHODS.

PLEASE REFER TO SHEET C10, NOTE 3; THE CONTRACTOR ENGINEER SHALL ENSURE THAT ADJACENT PROPERTIES ARE NOT IMPACTED BY WIND EROSION OR EMISSIONS OF UNCONFINED PARTICULATE MATTER IN ACCORDANCE WITH RULE 62-296.320(4)(c)1, FLORIDA ADMINISTRATIVE CODE, FROM THE CONSTRUCTION SITE BY TAKING ADEQUATE MEASURES TO STABILIZE AFFECTED AREAS.

F. CONTRACTOR INFORMATION, INCLUDING A TWENTY-FOUR-HOUR, SEVEN-DAY CONTACT AND PHONE NUMBERS.

CONTRACTOR NOT SELECTED YET.

3). DETAILS OF THE DE-WATERING ACTIVITIES AND LOCATIONS, DRAWINGS AND CROSS-SECTIONS OF DE-WATERING SUMPS.

FOR DRAINAGE BASINS OF LESS THAN (10) ACRES, SEDIMENT BASINS AND/OR SEDIMENT TRAPS ARE RECOMMENDED BUT NOT REQUIRED. AT A MINIMUM, SILT FENCE OF EQUIVALENT SEDIMENT CONTROLS ARE REQUIRED FOR ALL SIDESLOPES AND DOWNSLOPE BOUNDARIES OF THE CONSTRUCTION AREA.

AREAS THAT ARE DESIGNED BY A QUALIFIED PROFESSIONAL ENGINEER FOR PERMANENT STORMWATER DETENTION PURPOSES (E.G., WET PONDS) SHOULD BE USED FOR SEDIMENT BASINS.

THE SOUTH WEST FLORIDA WATER MANAGEMENT DISTRICT OVERSEES THE REQUIREMENTS OF DE-WATERING PERMITTING AND METHODS.

4). WATER QUALITY MONITORING PLAN AND MONITORING STATIONS (IF APPLICABLE).

THIS IS NOT APPLICABLE TO THIS SITE.

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 EMD STAFF, SHALL BE MADE PRIOR TO FINAL APPROVAL OF THE ESCP.

ANY CHANGES TO THE APPROVED ESCP MUST BE SUBMITTED TO THE EMD BY THE ENGINEER OF RECORD FOR THE 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.

NOTES

- 1). AFTER STAKING EROSION AND SEDIMENT CONTROL MEASURES, NRD STAFF MUST BE CONTACTED TO INSPECT THE STAKED LOCATIONS.
- 2). AFTER THE INSTALLATION OF THE EROSION AND SEDIMENT CONTROL DEVICES HAVE BEEN COMPLETED, A SECOND INSPECTION IS REQUIRED TO ENSURE ADEQUACY.
- 3). WHEN READY FOR INSPECTIONS PLEASE CONTACT TONY PELLEGRINO, NATURAL RESOURCES ZONING INSPECTOR AT 749-3070, EXT. 6200. YOU WILL BE NOTIFIED UPON COMPLETION OF THESE INSPECTIONS.

NO.	BY	DATE	DESCRIPTION	NO.	BY	DATE	DESCRIPTION
1				5			
2				6			
3				7			
4				8			
5				9			
6				10			

George F. Young, Inc.
10540 PORTAL CROSSING, SUITE 105 | BRADENTON, FLORIDA 34211
PHONE (813) 747-2881 | FAX (813) 747-7224
ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21
ARCHITECTURE-ENGINEERING-ENVIRONMENTAL-LANDSCAPE-PLANNING-SURVEYING-UTILITY
SINCE 1919 GAINESVILLE-LAKEWOOD-RANCH ORLANDO-PALM BEACH-SARASOTA-ST. PETERSBURG-TAMPA-VENICE

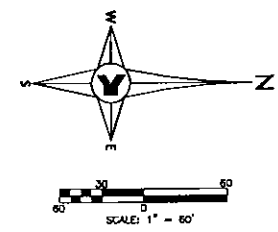
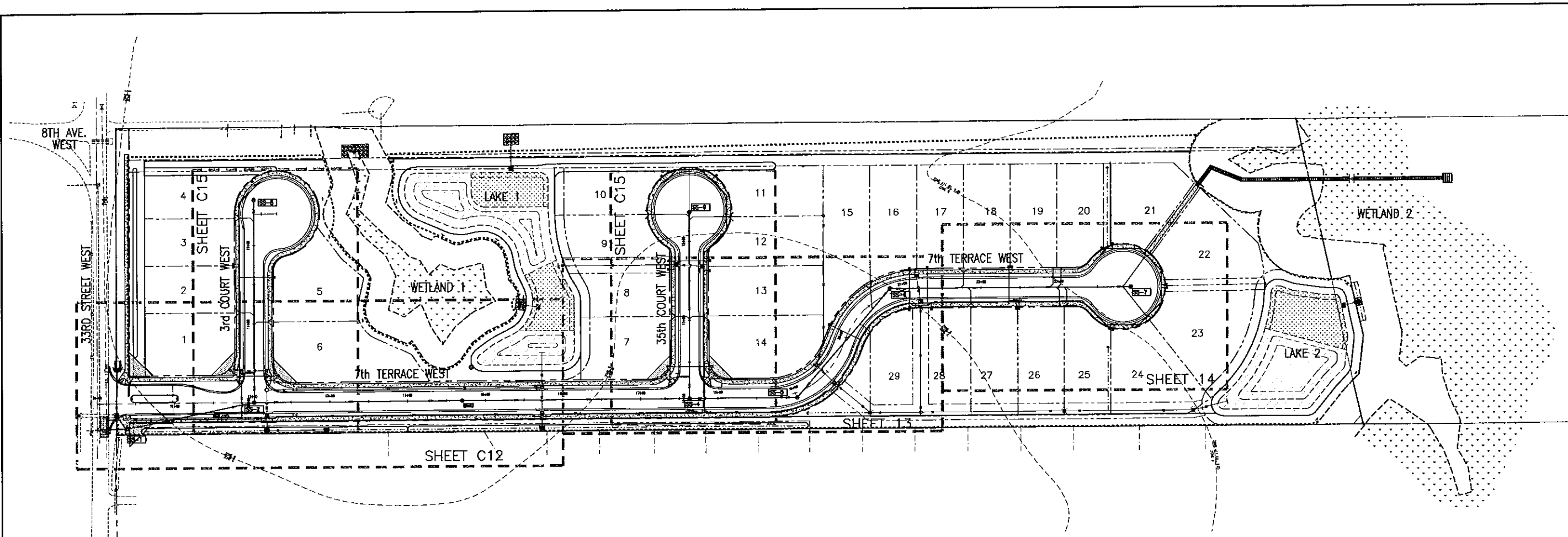
JOSEPH O'NEILL, P.E. NO. 18754

TASK: DESIGN, INITIALS: NICKOLS, DATE: 2-23-10
 DRAWING: NICKOLS, INITIALS: NICKOLS, DATE: 2-23-10
 CHECKED: JORDAN
 QUALITY OK: _____
 SCALE: NTS

PREPARED FOR: JOE'S CREEK HOLDINGS 1, LLC
6550 53rd STREET
PINELLAS PARK, FLORIDA 33781

TERRA CEIA PALMS SUBDIVISION
EROSION AND SEDIMENT CONTROL PLAN
SECTION 2, TOWNSHIP 34 S., RANGE 17 E.

JOB NO. 0671018400
SHEET NO. C10A



LEGEND:

- EXIST. SANITARY SEWER MANHOLE
- EXIST. WATER MAIN
- EXIST. FEATURES
- PROPERTY BOUNDARY
- PROP. RIGHT-OF-WAY
- PROP. LOT LINE
- PROP. SANITARY SEWER MANHOLE
- PROP. SANITARY SEWER MANHOLE ID
- PROP. SANITARY SEWER LATERAL
- PROP. SANITARY SEWER MAIN
- PROP. WATER MAIN
- PROP. FIRE HYDRANT
- PROP. WATER SERVICE
- PROP. STORM SEWER
- PROP. STORM INLET

NO.	BY	DATE	DESCRIPTION
1	DNS	6-06-08	REVISED PER SWFWMD LETTER DATED MAY 8TH, 2008
2	PSN	10-22-08	PLAN REVISIONS PER MANATEE COUNTY LETTER DATED 9-15-08
3	DNS	01-16-09	PLAN REVISIONS PER MANATEE COUNTY LETTER DATED 10-09-08
4			
5			

NO.	BY	DATE	DESCRIPTION
6			
7			
8			
9			
10			

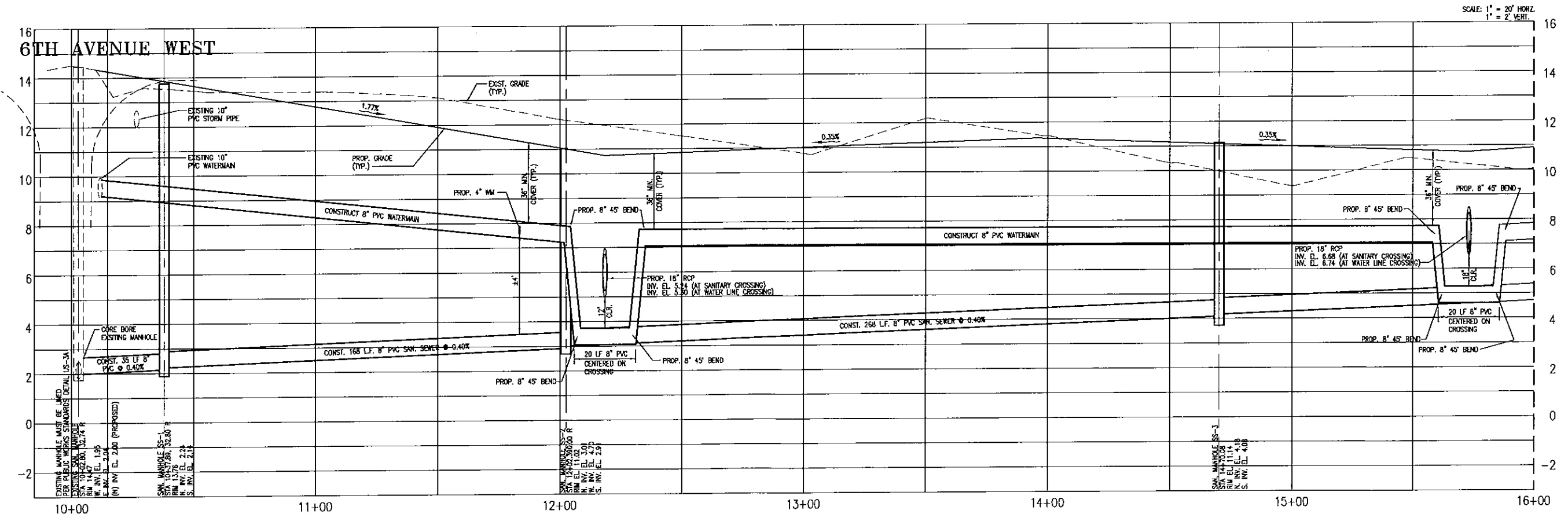
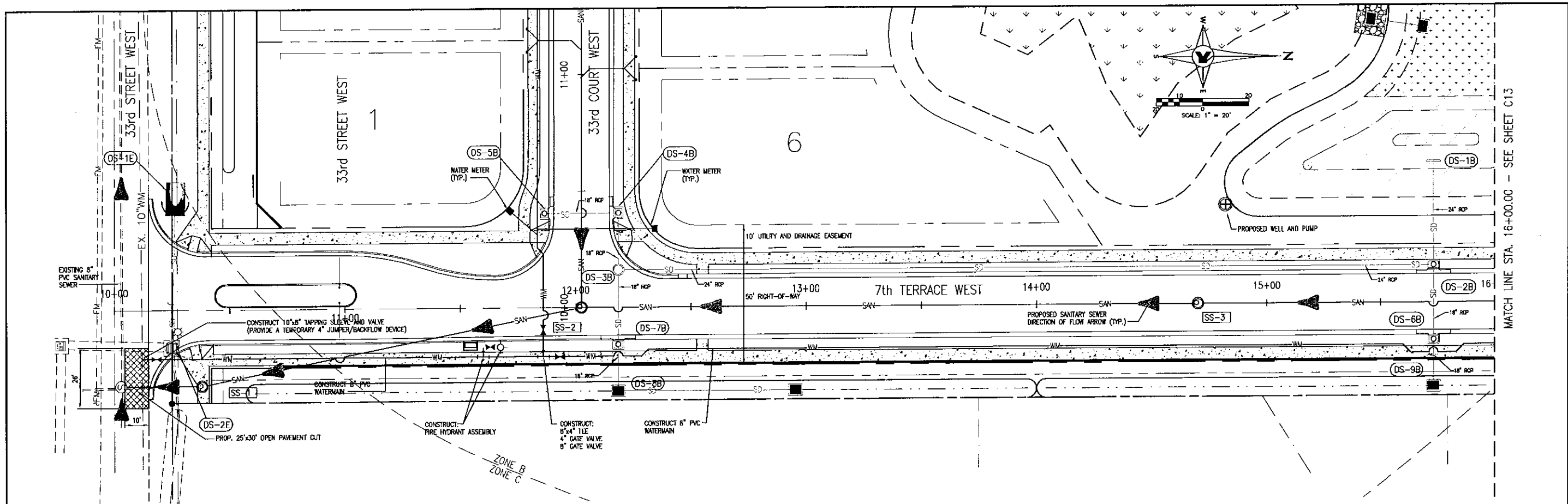
George F. Young, Inc.
 10540 PORTAL CROSSING, SUITE 105, BRADENTON, FLORIDA 34211
 PHONE (941) 747-2581 FAX (941) 747-7238
 ARCHITECTURE ENGINEERING ENVIRONMENTAL LANDSCAPE PLANNING SURVEYING UTILITIES
 ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21
 Since 1919 GANESVILLE LAKEWOOD RANCH ORLANDO PALM BEACH GARDENS ST. PETERSBURG TAMPA VENICE

TASK	INITIALS	DATE
DESIGN	PSFK	3-01-07
DRAWN	ESPE	3-01-07
CHECKED	O'NEILL	
QUALITY OK		
SCALE		1"=60'

PREPARED FOR:
JOE'S CREEK HOLDINGS I, LLC
 6550 53rd STREET
 PINELLAS PARK, FLORIDA 33781

TERRA CEIA PALMS SUBDIVISION
MASTER UTILITY PLAN
 SECTION 2, TOWNSHIP 34 S., RANGE 17 E.

JOB NO. **0671018400**
 SHEET NO. **C11**



NO.	BY	DATE	DESCRIPTION
1	PSN	10-22-08	PLAN REVISIONS PER MANATEE COUNTY LETTER DATED 9-15-08
2	PSN	11-11-08	REVISE WATER LINE TO DEFLECT UNDER STORM PIPES, REVISE STORM PIPE SIZES
3	DNS	12-15-08	ADD SAN. FLOW DIRECTION AND EXISTING SAN. CALCULAT PER COUNTY COMMENTS DATED 10-9-2008
4			
5			

NO.	BY	DATE	DESCRIPTION
1			
2			
3			
4			
5			

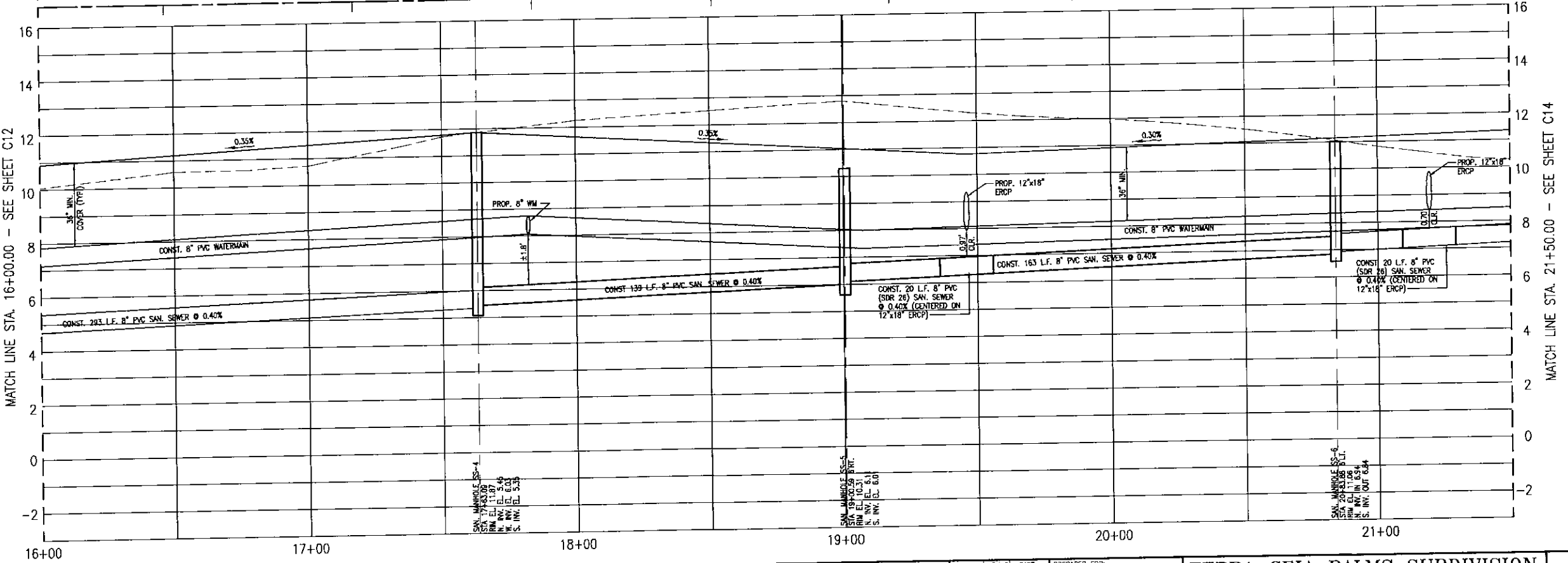
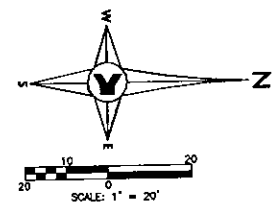
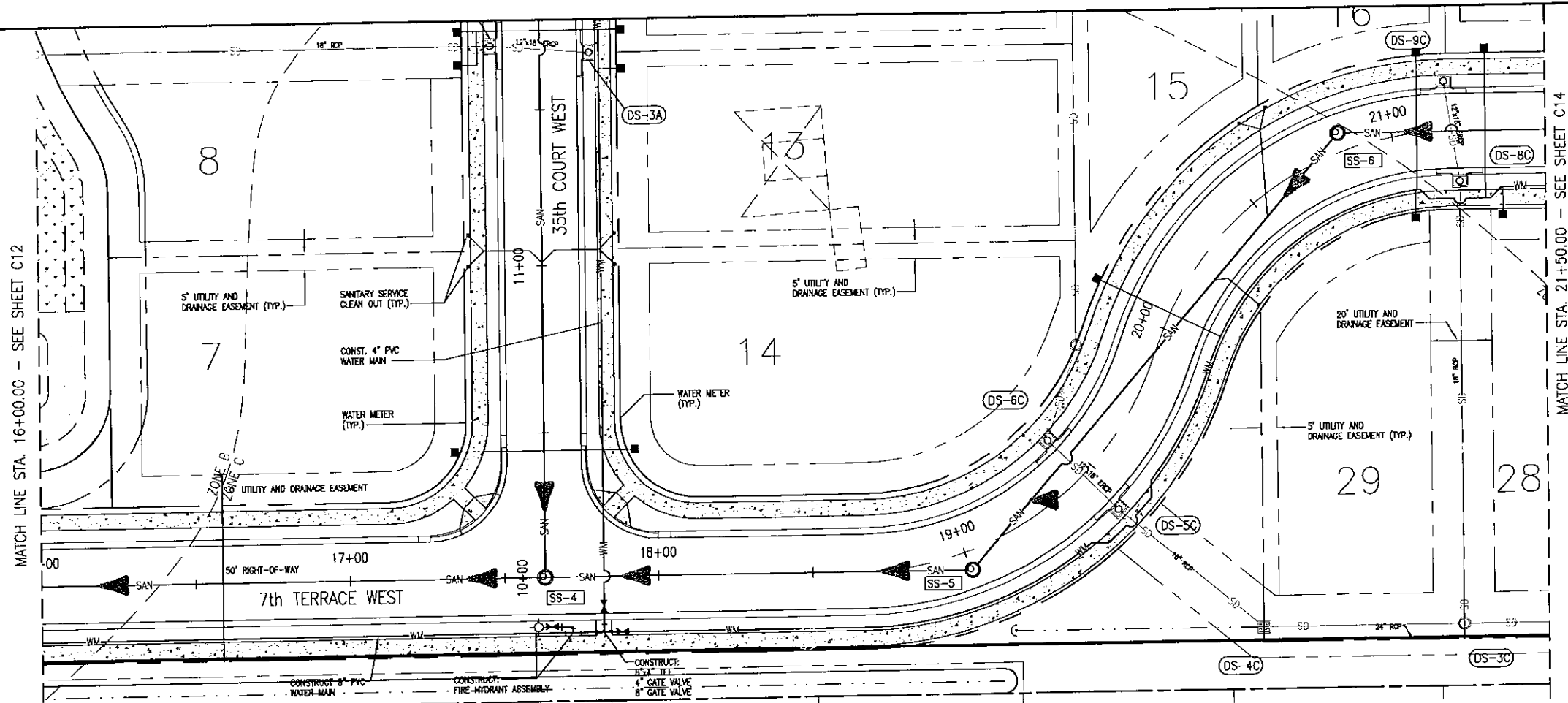
George F. Young, Inc.
 10540 PORTAL CROSSING, SUITE 105, BRADENTON, FLORIDA 34211
 PHONE (813) 747-2901 FAX (813) 747-7234
 ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21
 ARCHITECTURE-ENGINEERING-ENVIRONMENTAL-LANDSCAPE-PLANNING-SURVEYING-UTILITIES
 Since 1919 GAINESVILLE-LAKEWOOD-RANDOLPH-ORLANDO-PALM BEACH-GARDEN-FT. PETERSBURG-TAMPA-VENICE

TASK	INITIALS	DATE
DESIGN	SEYK	3-01-07
DRAWN	SEYK	3-01-07
CHECKED	GNEEL	
QUALITY CM.		
SCALE		1"=20'

PREPARED FOR:
JOE'S CREEK HOLDINGS 1, LLC
 6550 53rd STREET
 PINELLAS PARK, FLORIDA 33781

TERRA CEIA PALMS SUBDIVISION
 UTILITY PLAN AND PROFILE
 SECTION 2, TOWNSHIP 34 S., RANGE 17 E.

JOB NO.
0671018400
 SHEET NO.
C12



NO.	BY	DATE	DESCRIPTION
1	PSM	10-22-08	PLAN REVISIONS PER MANATEE COUNTY LETTER DATED 9-15-08
2	PSM	11-11-08	REVISE WATER LINE TO DEFLECT UNDER STORM PIPES, REVISE STORM PIPE SIZES
3	DNS	01-16-09	PLAN REVISIONS PER MANATEE COUNTY LETTER DATED 10-09-08
4			
5			

NO.	BY	DATE	DESCRIPTION
6			
7			
8			
9			
10			

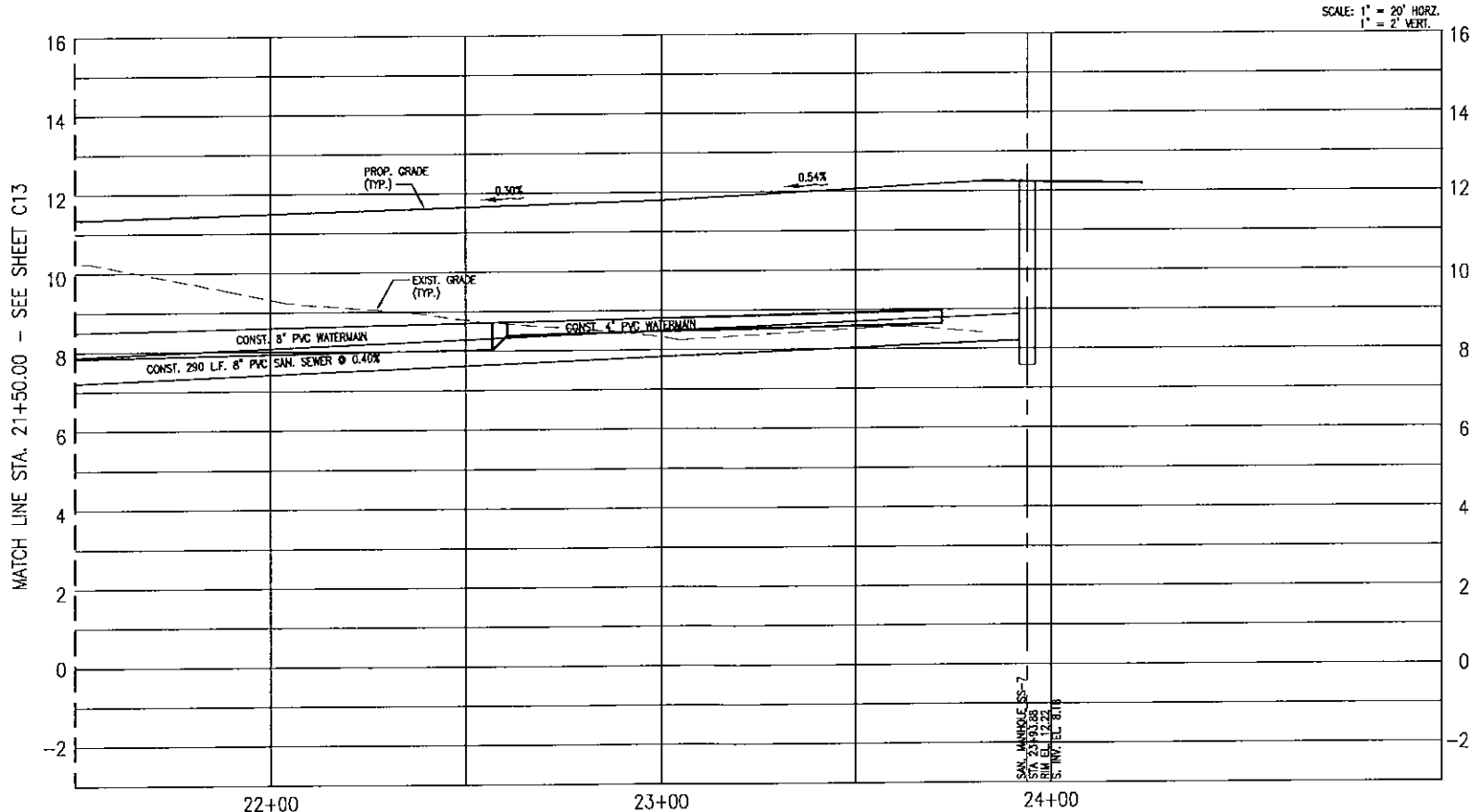
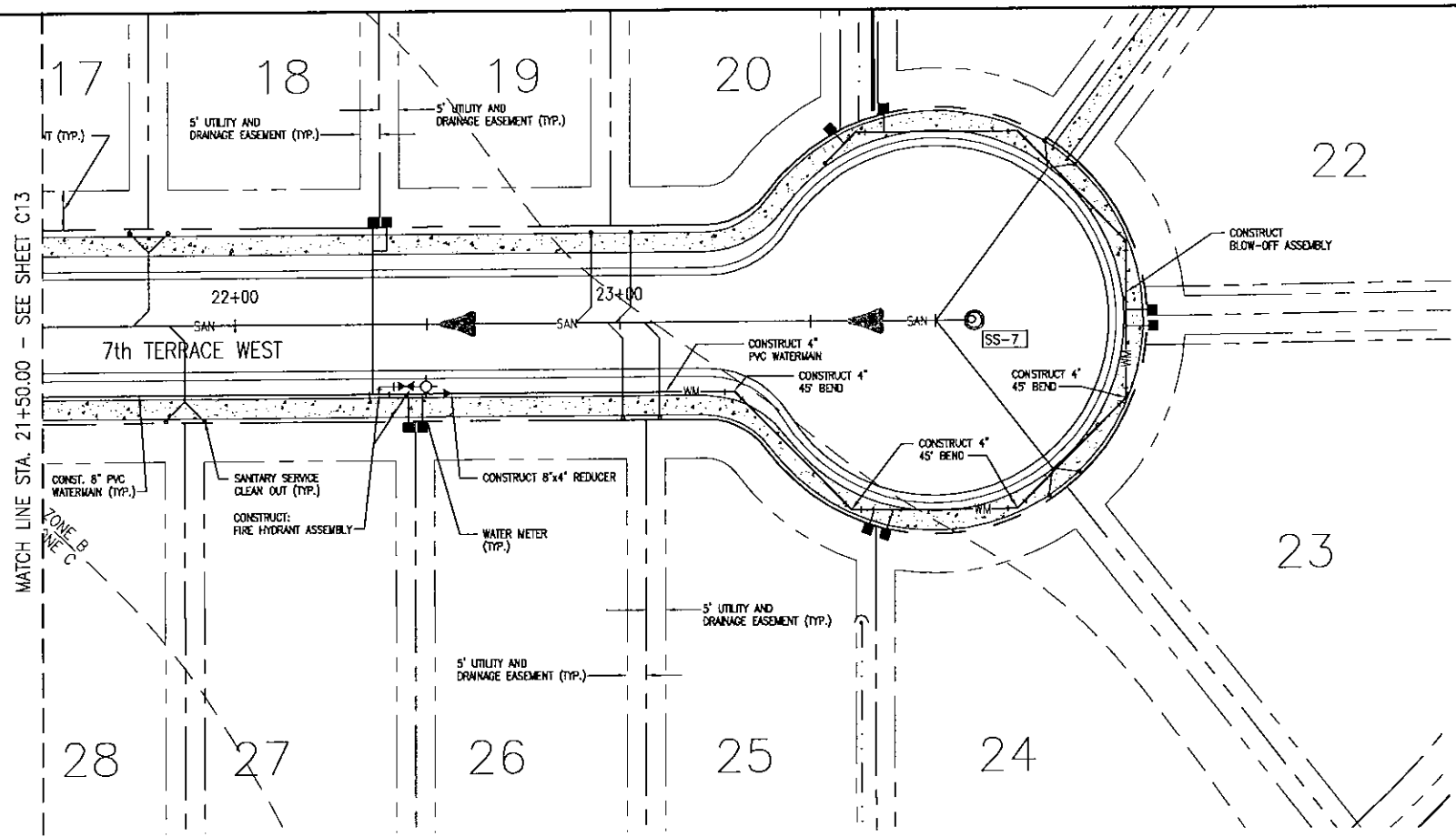
George F. Young, Inc.
 10540 PORTAL CROSSING, SUITE 105, BRADENTON, FLORIDA 34211
 PHONE (941) 747-2981 FAX (941) 747-7234
 ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21
 ARCHITECTURE-ENGINEERING-ENVIRONMENTAL-LANDSCAPE PLANNING-SURVEYING-UTILITIES
 SINCE 1919 DANESVILLE LAKEWOOD RANCH-ORLANDO-PALM BEACH GARDENS-ST. PETERSBURG-TAMPA-VENICE

JOSSEPH O'NEIL, P.E. NO. 19756
 DATE
 TASK INITIALS DATE
 DESIGN O'NEIL 3-01-07
 DRAWN O'NEIL 3-01-07
 CHECKED O'NEIL
 SCALED O'NEIL
 SCALE 1"=20'

PREPARED FOR:
JOE'S CREEK HOLDINGS 1, LLC
 6550 53rd STREET
 PINELLAS PARK, FLORIDA 33781

TERRA CEIA PALMS SUBDIVISION
UTILITY PLAN AND PROFILE
 SECTION 2, TOWNSHIP 34 S., RANGE 17 E.

JOB NO. 067101B400
 SHEET NO. **C13**



NO.	BY	DATE	DESCRIPTION
1	PSN	10-22-06	PLAN REVISIONS PER MANATEE COUNTY LETTER DATED 9-15-06
2	DNS	07-16-06	PLAN REVISIONS PER MANATEE COUNTY LETTER DATED 10-09-06
3			
4			
5			

NO.	BY	DATE	DESCRIPTION
6			
7			
8			
9			
10			

George F. Young, Inc.
 10640 PORTAL CROSSING, SUITE 106, BRADENTON, FLORIDA 34211
 PHONE (841) 747-2881 FAX (841) 747-7234
 ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21
 ARCHITECTURE ENGINEERING ENVIRONMENTAL LANDSCAPE PLANNING SURVEYING UTILITIES
 SINCE 1919 DANESVILLE LAKEWOOD RANCH ORLANDO PALM BEACH GARDENS ST. PETERSBURG TAMPA VENICE

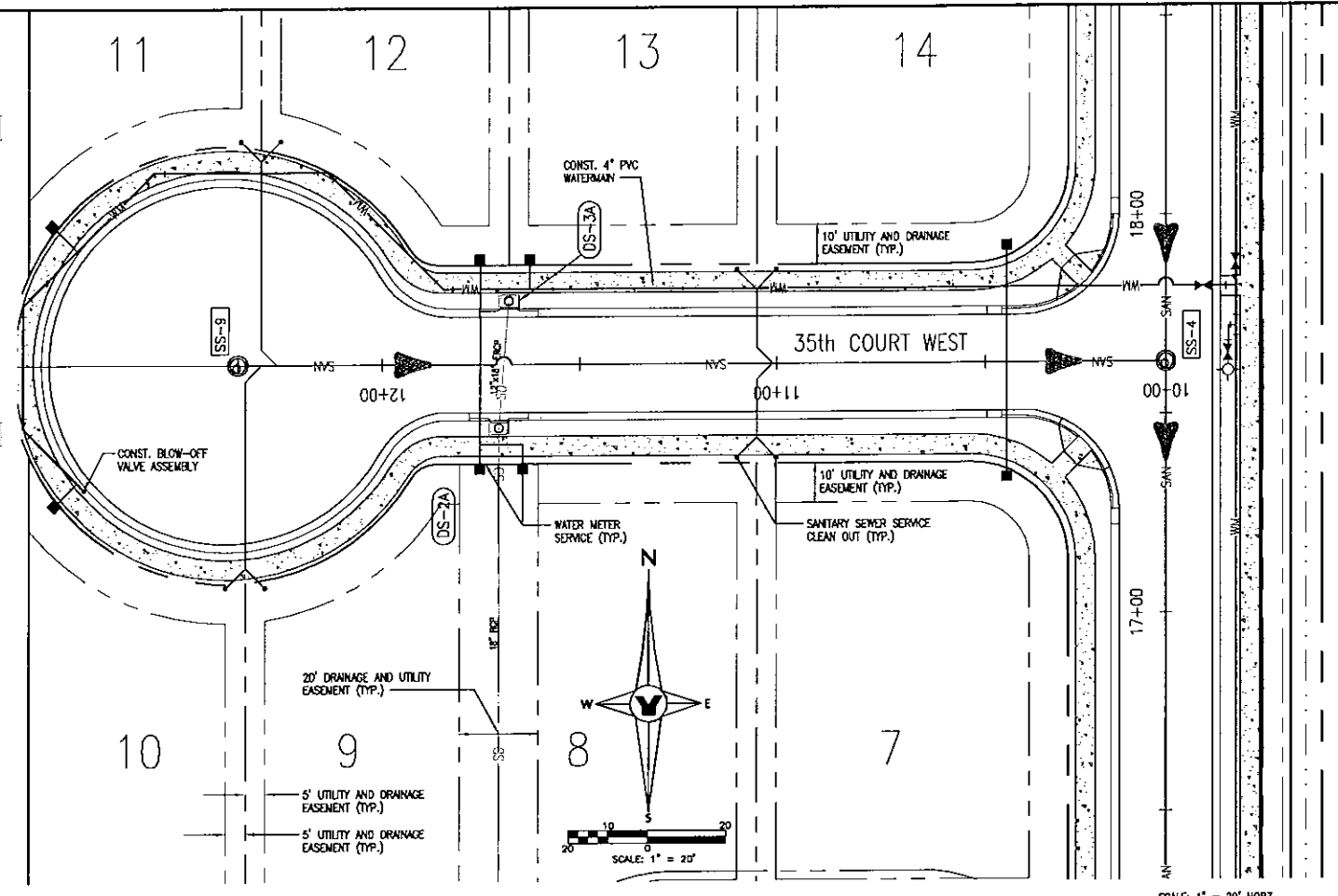
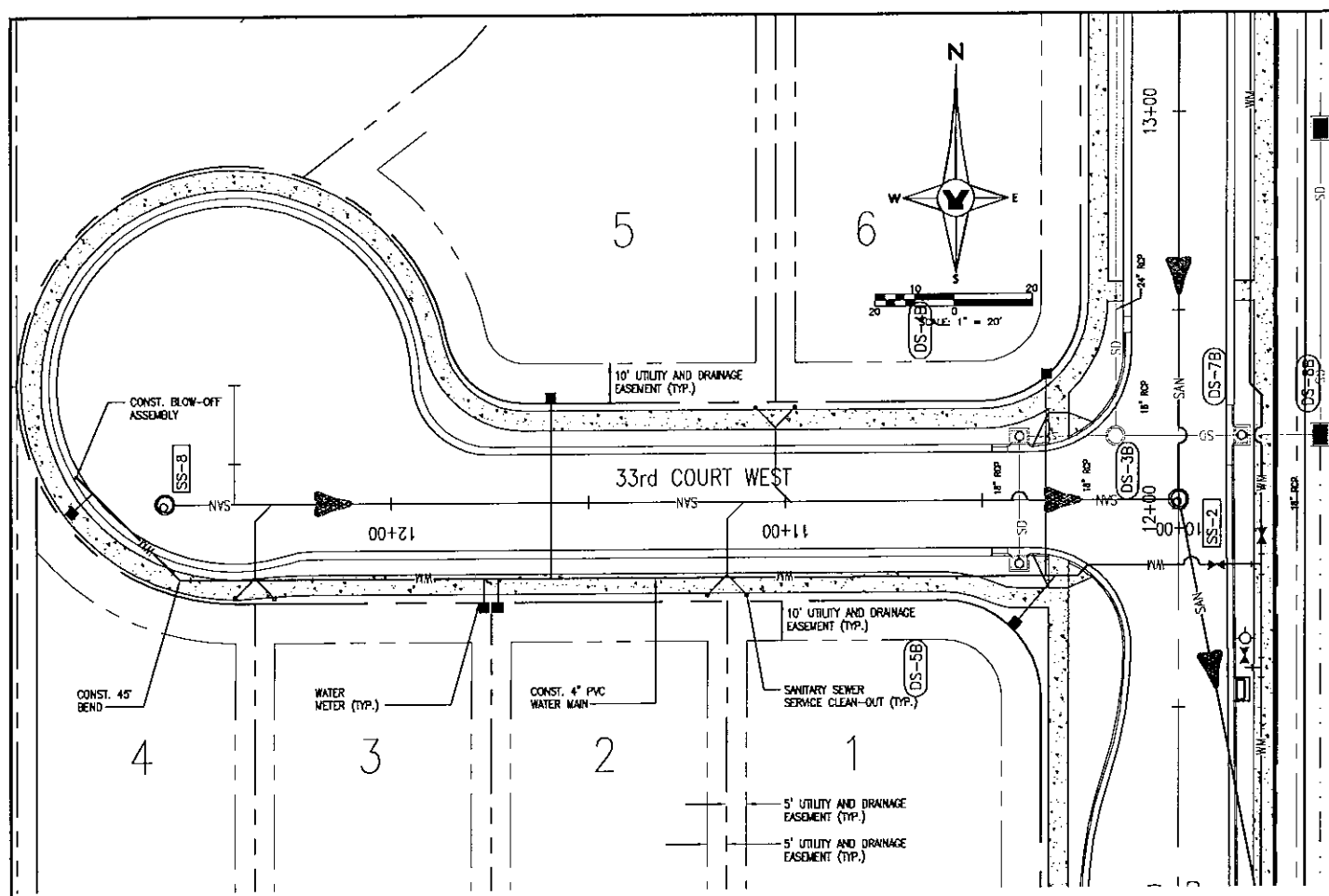
TASK	INITIALS	DATE
DESIGN	SENE	3-01-07
DRAWN	SENE	3-01-07
CHECKED	O'NEILL	
QUALITY	OK	

SCALE: 1" = 20'

PREPARED FOR:
JOE'S CREEK HOLDINGS 1, LLC
 6550 53rd STREET
 PINELLAS PARK, FLORIDA 33781

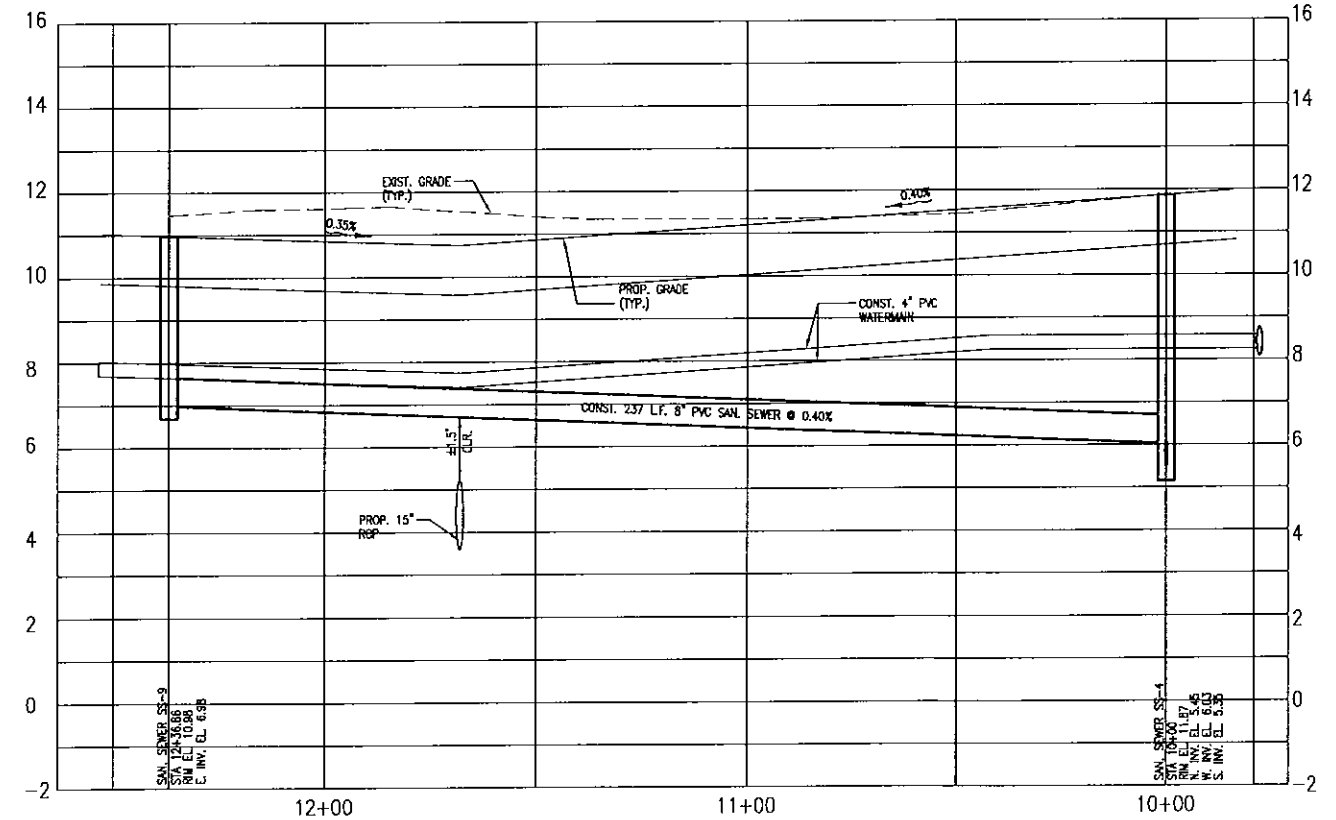
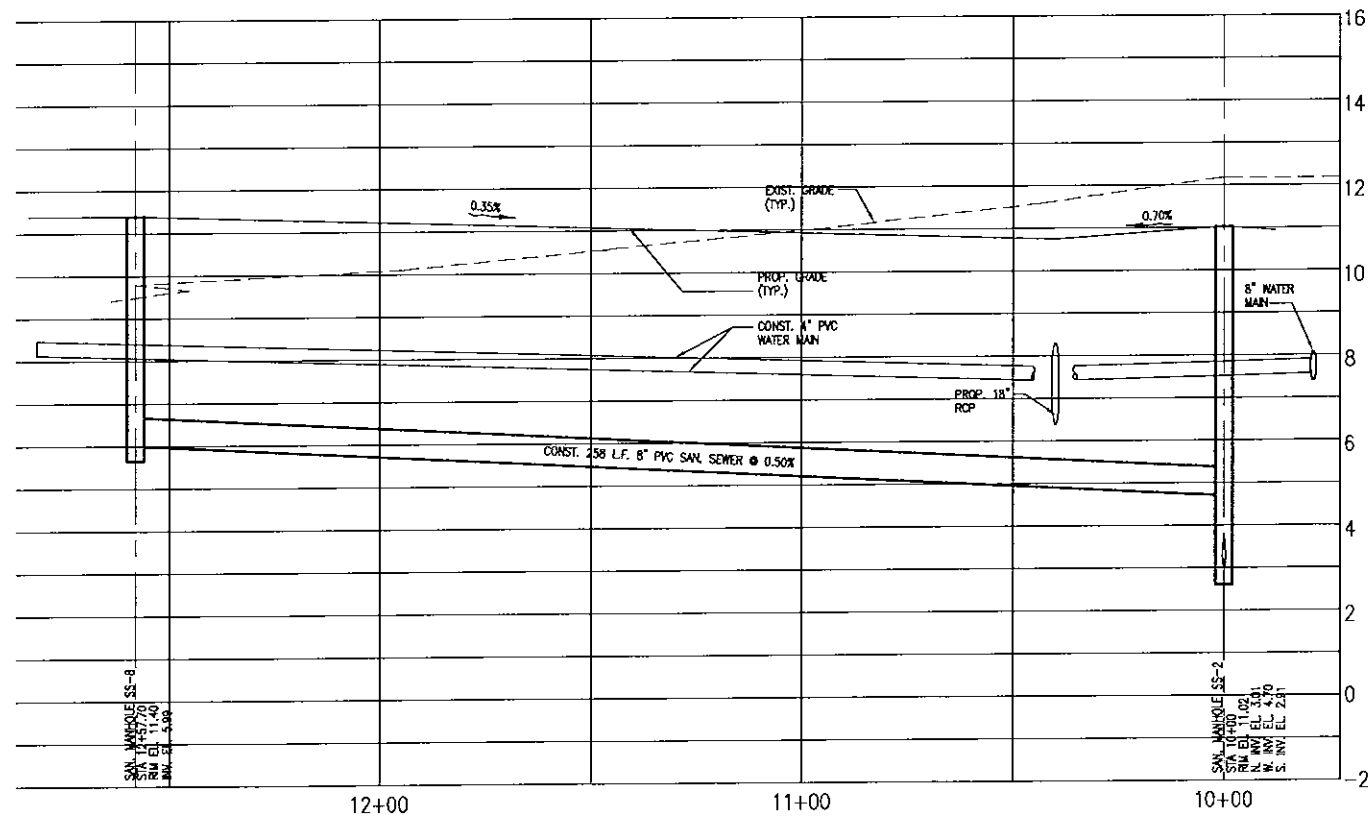
TERRA CEIA PALMS SUBDIVISION
 UTILITY PLAN AND PROFILE
 SECTION 2, TOWNSHIP 34 S., RANGE 17 E.

JOB NO.
0671018400
 SHEET NO.
C14



SCALE: 1" = 20' HORIZ.
1" = 2' VERT.

SCALE: 1" = 20' HORIZ.
1" = 2' VERT.



NO.	BY	DATE	DESCRIPTION
1	PSN	10-22-06	PLAN REVISIONS PER MANATEE COUNTY LETTER DATED 9-15-06
2	DHS	02-16-06	PLAN REVISIONS PER MANATEE COUNTY LETTER DATED 10-09-06
3			
4			
5			

NO.	BY	DATE	DESCRIPTION
6			
7			
8			
9			
10			

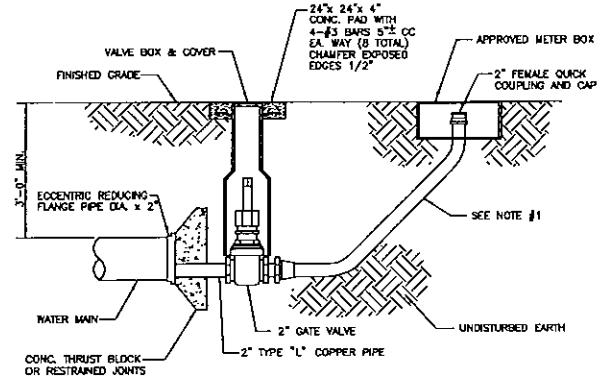
George F. Young, Inc.
 10640 PORTAL CROSSING, SUITE 106, BRADENTON, FLORIDA 34211
 PHONE (841) 747-2881 FAX (841) 747-7234
 ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21
 ARCHITECTURE ENGINEERING ENVIRONMENTAL LANDSCAPE PLANNING SURVEYING UTILITIES
 Since 1919 GAINESVILLE LAKEWOOD RANCH ORLANDO PALM BEACH GARDENS ST. PETERSBURG TAMPA VENICE

TASK: DESIGN
 INITIALS: [] DATE: 3-01-07
 DRAWN: [] SITE: 3-01-07
 CHECKED: [] QUALITY: []
 SCALE: 1" = 20'

PREPARED FOR:
JOE'S CREEK HOLDINGS I, LLC
 6550 53rd STREET
 PINELLAS PARK, FLORIDA 33781

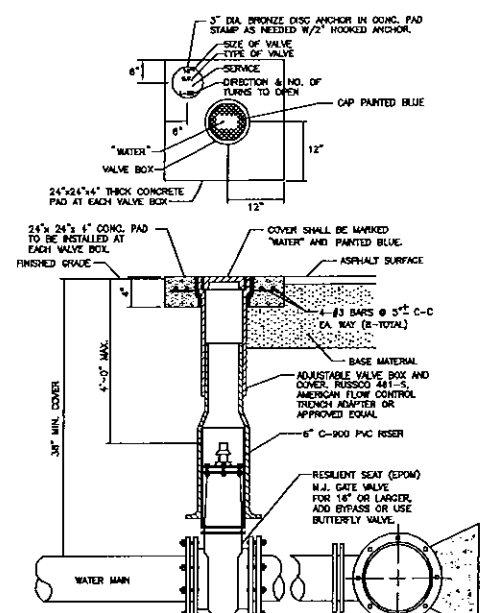
TERRA CEIA PALMS SUBDIVISION
 UTILITY PLAN AND PROFILE
 SECTION 2, TOWNSHIP 34 S., RANGE 17 E.

JOB NO. 0671018400
 SHEET NO. C15



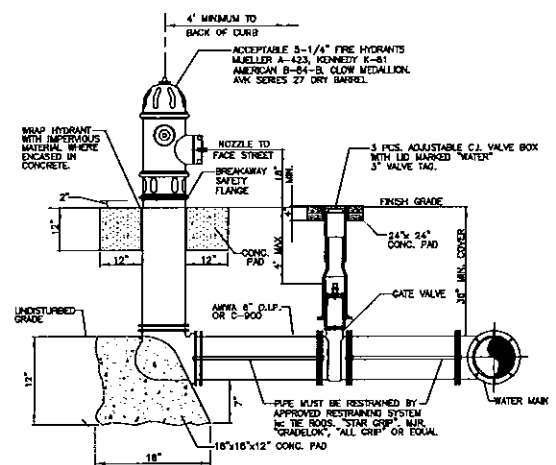
- NOTES:
- POLYETHYLENE SERVICE PIPE MEETING ANNA C-901 SHALL BE POLY-E DRISCOPE 5100 ULTRA-LINE OR ENDOPURE BY ENDOT OR APPROVED EQUAL PIPE SHALL BE BLUE OR ENCASED IN BLUE SLEEVE.
 - IF FUTURE WATER MAIN EXTENSION BEYOND THIS PLUG IS POSSIBLE, PROVIDE A MAIN-LINE GATE VALVE BETWEEN THIS PLUG & THE LAST SERVICE BUT THE DISTANCE BETWEEN THE IN-LINE VALVE & THE PLUG SHALL NOT EXCEED 40 FEET.
 - THIS DETAIL TO BE USED FOR ALL WATER MAINS 10" DIA. OR SMALLER.

MANATEE COUNTY PUBLIC WORKS DEPARTMENT DETAIL UW-11
END OF LINE 2" BLOW-OFF ASSEMBLY
N.T.S.



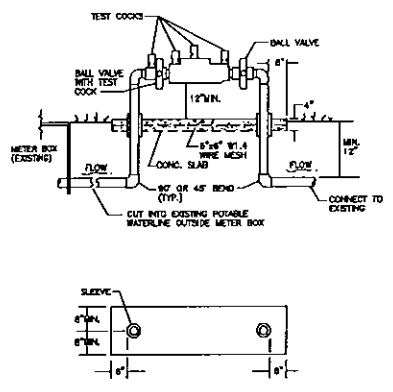
- NOTES:
- GATE VALVE TO BE MARKED IN CURB WITH A "W" WITH A FOOTAGE FROM THE BACK OF CURB TO THE VALVE OR IF NO CURB, A BLUE DISC WITH "W" IN THE EDGE OF PAVEMENT WITH THE FOOTAGE FROM THE DISC TO THE VALVE.
 - ALL EXISTING AND PROPOSED VALVE BOXES SHALL BE ADJUSTED TO FINISH GRADES AS ESTABLISHED IN THE FIELD.
 - WATER VALVES SHALL NOT BE PLACED IN HANDICAPPED RAMPS.
 - ALL EXPOSED EDGES OF CONCRETE SHALL HAVE 1/2" CHAMFER.

MANATEE COUNTY PUBLIC WORKS DEPARTMENT DETAIL UW-4
GATE VALVE, BOX, COVER AND TAG
N.T.S.



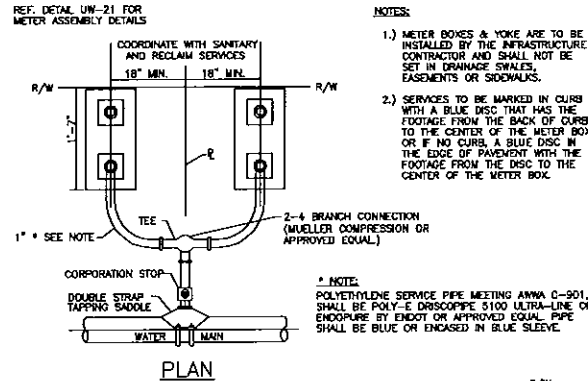
- NOTES:
- NEEDHOLES TO BE PLUGGED WITH BRASS PLUGS.
 - FIRE HYDRANTS SHALL BE A MINIMUM OF 6'-0" OFF EDGE OF PAVEMENT AND 10'-0" MAX. FROM BACK OF CURB WHERE POSSIBLE AND WHERE SIDEWALK IS TO BE INSTALLED, SHALL BE LOCATED BETWEEN THE SIDEWALK AND EDGE OF ROAD.
 - HYDRANTS SHALL BE PAINTED SAFETY YELLOW. HYDRANT SHALL BE ALL CAST IRON CONSTRUCTION.
 - PART ITEMS FOR FIRE HYDRANT ASSEMBLIES SHALL INCLUDE HYDRANT, VALVE, PIPE, MAINLINE TEE & HARNESING, VALVE BOX & CONCRETE ENCLOSUREMENTS.
 - FIRE HYDRANTS SHALL BE PERMANENTLY PLACED SO THAT STORM WATER FLOWS AWAY FROM & NOT TOWARDS THE HYDRANT.
 - FIRE HYDRANTS SHALL BE CONSTRUCTED WITH "GROUND LINE" SET TO FINISH GRADES AS ESTABLISHED IN THE FIELD. NORMAL BURY IS 3 FEET OF COVER FOR WATER LINES. IF EXTENSIONS ARE REQUIRED, THE COST SHALL BE INCLUDED IN THE PRICE BID.
 - FIRE HYDRANTS MAY BE CONSTRUCTED WITH "TONGUE" OFFSET FITTING.
 - RAISED REFLECTIVE PAVEMENT MARKER (RPM) SHALL BE INSTALLED AT CENTERLINE OF PAVEMENT ADJACENT TO EACH HYDRANT.
 - ALL EXPOSED EDGES OF CONCRETE SHALL HAVE 1/2" CHAMFER.

MANATEE COUNTY PUBLIC WORKS DEPARTMENT DETAIL UW-5
TYPICAL FIRE HYDRANT ASSEMBLY
N.T.S.

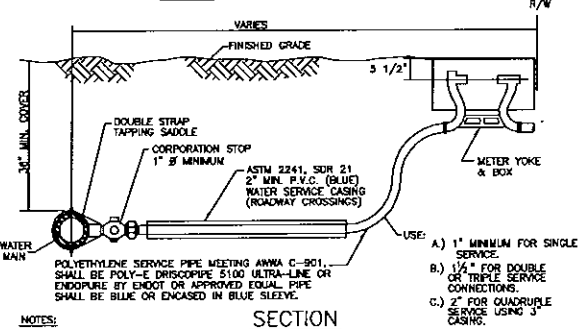


- NOTES:
- BOTTOM OF BACKFLOW DEVICE MUST BE 12" ABOVE CONCRETE PAD. CONCRETE PAD MUST BE 1" ABOVE FINISH GRADE.
 - BACKFLOW DEVICE MUST BE INSTALLED DOWNSTREAM OF METER, AS CLOSE TO METER AS POSSIBLE.
 - CURBING PIPE SHALL BE 1/2" OR 3/4" BRASS PIPE MINIMUM SCHEDULE 40 SHALL BE USED TO A MINIMUM DEPTH OF 12" BELOW GRADE.
 - PIPS PASSING THROUGH OR ENCASED IN CONCRETE MUST BE PROPERLY PROTECTED AND SLEEVED.
 - THIS SYSTEM MUST MEET ALL REQUIREMENTS OF THE MANATEE COUNTY PLUMBING CODE (LATEST EDITION) AND THE MANATEE COUNTY BACKFLOW PREVENTION CODE (LATEST EDITION).
 - ALL PIPING FROM BACKFLOW DEVICE TO THE FIRST ATMOSPHERIC OPENING OR TO EACH BRANCH VALVE, MUST BE COLOR CODED BLUE.

MANATEE COUNTY PUBLIC WORKS DEPARTMENT
DETAIL UW-10A
**3/4" RP BACKFLOW
PREVENTER DETAIL**
N.T.S.



- NOTES:
- METER BOXES & YOKE ARE TO BE INSTALLED BY THE INFRASTRUCTURE CONTRACTOR AND SHALL NOT BE SET IN DRAINAGE SWALES, EASEMENTS OR SIDEWALKS.
 - SERVICES TO BE MARKED IN CURB WITH A BLUE DISC THAT HAS THE FOOTAGE FROM THE BACK OF CURB TO THE CENTER OF THE METER BOX OR IF NO CURB, A BLUE DISC IN THE EDGE OF PAVEMENT WITH THE FOOTAGE FROM THE DISC TO THE CENTER OF THE METER BOX.



- NOTES:
- ALL SERVICE TAPS TO BE LOCATED IN FIELD. TAPS SHALL BE NO CLOSER THAN 2'-0" STAGGERED INTERVALS OR WITHIN 2'-0" FROM BELL OR SPOOT ENDS.
 - METER YOKE AND BOX TO BE FURNISHED AND INSTALLED BY THE INFRASTRUCTURE CONTRACTOR.

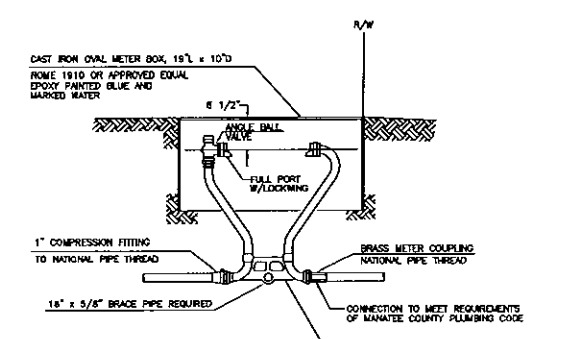
MANATEE COUNTY PUBLIC WORKS DEPARTMENT DETAIL UW-13
**TYPICAL
WATER SERVICE CONNECTION**
N.T.S.

**REQUIRED LENGTH OF RESTRAINED JOINT PIPE
FOR DR-18 PVC PIPE**

MAIN PIPE SIZE	HORZ. BENDS	TEES		REDUCERS		PLUGS
		SIZE	LENGTH	SIZE	LENGTH	
24	90°	45"	22.5'	18"	18"	214
20	78°	32"	15'	12"	12"	184
18	66°	27"	13'	10"	10"	151
12	51°	22"	10'	8"	8"	118
10	44°	18"	9'	6"	6"	100
8	37°	15"	7'	5"	5"	83
6	29°	12"	5'	4"	4"	63
4	21°	8"	4'	3"	3"	45

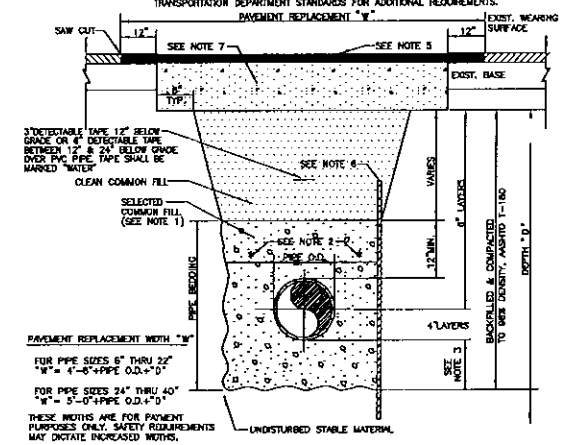
- NOTES:
- RESTRAIN TO NEXT FULL JOINT BEYOND GIVEN LENGTH.
 - RESTRAIN 11.25' BENDS 50% OF LENGTH FOR 22.5' BENDS.
 - ALL VALVES AND FITTINGS SHALL BE RESTRAINED TO THE CONNECTING SECTIONS OF PIPE.
 - ALL VALVES MUST BE PROPERLY ANCHORED OR RESTRAINED TO RESIST A 180 PSI TEST PRESSURE IN EITHER DIRECTION.
 - PIPE SIZES ARE GIVEN IN INCHES.
 - PIPE LENGTHS ARE GIVEN IN FEET.
 - LENGTHS SHOWN ARE FOR A TEST PRESSURE OF 180 PSI.
 - THE RESTRAINED LENGTHS SHOWN IN THESE TABLES ARE BASED ON THE USE OF LIGHTLY COMPACTED CLEAN SAND WITH AT LEAST A 5% COARSE PARTICLE CONTENT. ACTUAL SOIL CONDITIONS MUST BE DETERMINED BY THE ENGINEER OF RECORD AND THE RESTRAINED LENGTHS MODIFIED ACCORDINGLY.

MANATEE COUNTY PUBLIC WORKS DEPARTMENT DETAIL UW-14A
**RESTRAINED LENGTHS
FOR PVC PIPES**
N.T.S.



- NOTES:
- REFERENCE UW-13 FOR COMPLETE SERVICE CONNECTION ASSEMBLY.
 - FOR 70 SERIES, MULLER B-2434 OR APPROVED EQUAL COPPER PILET W/ANGLE BALL VALVE, TIP OUTLET MIN. 1" HGT. ALL VALVES SHALL BE FULL PORT 5/8" x 3/4" OR 3/4" x 1" METERS. (GREEN VALVES SHOULD NOT BE USED)
 - METER BOX AND YOKE ARE TO BE INSTALLED BY THE INFRASTRUCTURE CONTRACTOR AND SHALL NOT BE SET IN DRAINAGE SWALES, EASEMENTS, SIDEWALKS OR DRIVEWAYS.

MANATEE COUNTY PUBLIC WORKS DEPARTMENT DETAIL UW-21
5/8"x3/4" COPPER METER YOKE DETAIL
N.T.S.



- NOTES:
- USE OF TYPE A-2 AND A-3 PIPE BEDDING TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
 - 10" MAX. FOR PIPE DIAMETERS LESS THAN 24", 12" MAX. FOR PIPE DIAMETER 24" AND LESS THAN 42", 24" MAX. FOR PIPE DIAMETER 42" AND OVER.
 - 4" MAX. FOR PIPE 18" DIAMETER & LESS, 6" MAX. FOR PIPE 18" TO 36" DIAMETER, AND 8" MAX. FOR PIPE 42" DIAMETER AND LARGER.
 - INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
 - WEARING SURFACE TO BE SAME TYPE & THICKNESS (1/2" MIN.) AS EXISTING PAVEMENT.
 - SHEETING ORDERED LEFT IN PLACE TO BE CUT OFF 24" BELOW FINISH GRADE OR 12" BELOW SUBGRADE.
 - BASE SHALL BE 10" MINIMUM THICKNESS GRADED CONCRETE OR EQUIV.
 - BACKFILL HEIGHT M-145 SHALL BE PLACED IN LAYERS NOT TO EXCEED 6 INCHES. EACH LAYER SHALL BE THOROUGHLY TAMPED AND/OR ROLLED TO SPEC. HEIGHT 1-180 DENSITY.
 - TEMPORARY PATCHES WILL BE INSTALLED TO PROVIDE A SMOOTH ALL WEATHER SURFACE AT ALL TIME. PERMANENT REPLACEMENT TO BE MADE AS SOON AS POSSIBLE.
 - NOTES 5.) THRU 9.) ARE MINIMUM REQUIREMENTS. REFER TO MANATEE COUNTY TRANSPORTATION DEPARTMENT STANDARDS FOR ADDITIONAL REQUIREMENTS. PAVEMENT REPLACEMENT "X"

MANATEE COUNTY PUBLIC WORKS DEPARTMENT
DETAIL UW-27
**TRENCH DETAIL
ASPH. PAVEMENT SURFACE
TYPE A-1 PIPE BEDDING**
N.T.S.

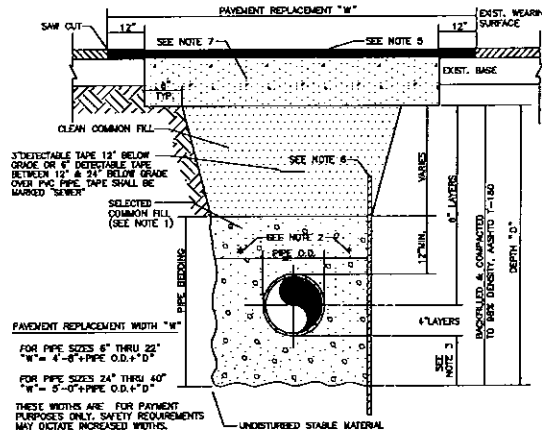
REQUIRED LENGTH OF RESTRAINED JOINT PIPE FOR DR-18 PVC PIPE

MAIN PIPE SIZE	HORIZ. BENDS			TEES			REDUCERS			PLUGS
	90°	45°	22.5°	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	
24	30	38	18	24	27	34	18	24	27	214
20	24	30	15	20	22	28	15	20	22	184
18	21	27	13	18	20	25	13	18	20	151
12	15	19	10	12	14	18	10	12	14	118
10	12	15	8	10	11	14	8	10	11	100
8	9	11	7	8	9	11	7	8	9	83
6	7	9	5	6	7	9	5	6	7	63
4	5	6	4	4	5	6	4	4	5	45

- NOTES:**
- RESTRAIN TO NEXT FULL JOINT BEYOND GIVEN LENGTH.
 - RESTRAIN 11.25° BENDS 50% OF LENGTH FOR 22.5° BENDS.
 - ALL VALVES AND FITTINGS SHALL BE RESTRAINED TO THE CONNECTING SECTIONS OF PIPE.
 - ALL VALVES MUST BE PROPERLY ANCHORED OR RESTRAINED TO RESIST A 180 PSI TEST PRESSURE IN EITHER DIRECTION.
 - PIPE SIZES ARE GIVEN IN INCHES.
 - PIPE LENGTHS ARE GIVEN IN FEET.
 - LENGTHS SHOWN ARE FOR A TEST PRESSURE OF 180 PSI.
 - THE RESTRAINED LENGTHS SHOWN IN THESE TABLES ARE BASED ON THE USE OF LIGHTLY COMPACTED CLEAN SAND WITH AT LEAST A #35 COARSE PARTICLE CONTENT. ACTUAL SOIL CONDITIONS MUST BE DETERMINED BY THE ENGINEER OF RECORD AND THE RESTRAINED LENGTHS MODIFIED ACCORDINGLY.

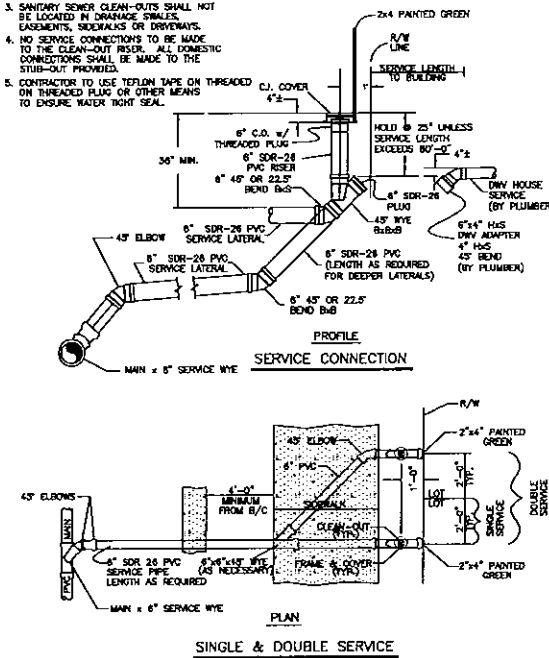
RESTRAINED LENGTHS FOR PVC PIPE (UW-14A)
N.T.S.

- NOTES:**
- USE OF TYPE A-2 AND A-3 PIPE BEDDING TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
 - 10" MAX. FOR PIPE DIAMETERS LESS THAN 24"; 12" MAX. FOR PIPE DIAMETER 24" AND LESS THAN 42"; 24" MAX. FOR PIPE DIAMETER 42" AND OVER.
 - 4" MAX. FOR PIPE 18" DIAMETER & LESS; 6" MAX. FOR PIPE 18" TO 36" DIAMETER; AND 9" MAX. FOR PIPE 42" DIAMETER AND LARGER.
 - INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
 - WEARING SURFACE TO BE SAME TYPE & THICKNESS (1 1/2" MIN.) AS EXISTING PAVEMENT.
 - SHEETING ORDERED LEFT IN PLACE TO BE CUT OFF 24" BELOW FINISH GRADE OR 12" BELOW SURFACE.
 - BACKFILL ASHTO M-140 SHALL BE PLACED IN LAYERS NOT TO EXCEED 6 INCHES. EACH LAYER SHALL BE THOROUGHLY TAMPED AND/OR ROLLED TO MEET ASHTO T-190 DENSITY.
 - TEMPORARY PATCHES WILL BE INSTALLED TO PROVIDE A SMOOTH ALL WEATHER SURFACE AT ALL TIMES. PERMANENT REPLACEMENT TO BE MADE AS SOON AS POSSIBLE.
 - CONTRACTOR TO USE TYPICAL REQUIREMENTS. REFER TO MANATEE COUNTY TRANSPORTATION DEPARTMENT STANDARDS FOR ADDITIONAL REQUIREMENTS.

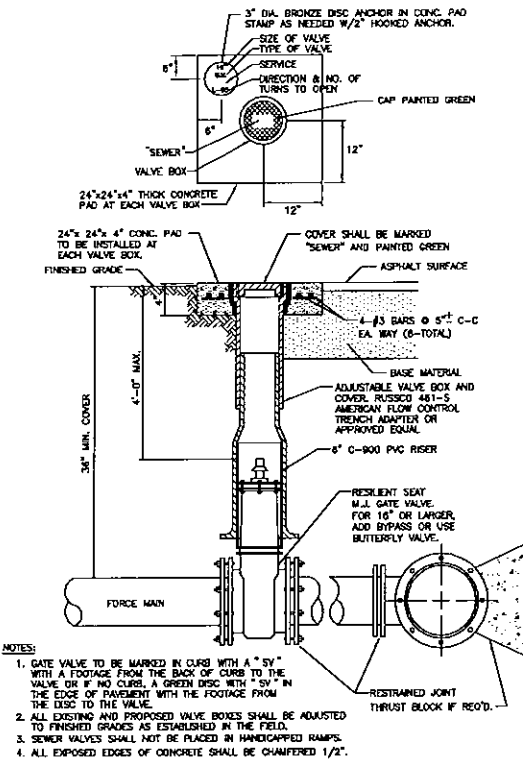


TRENCH DETAIL ASPH. PAVEMENT SURFACE TYPE A-1 PIPE BEDDING (US-11)
N.T.S.

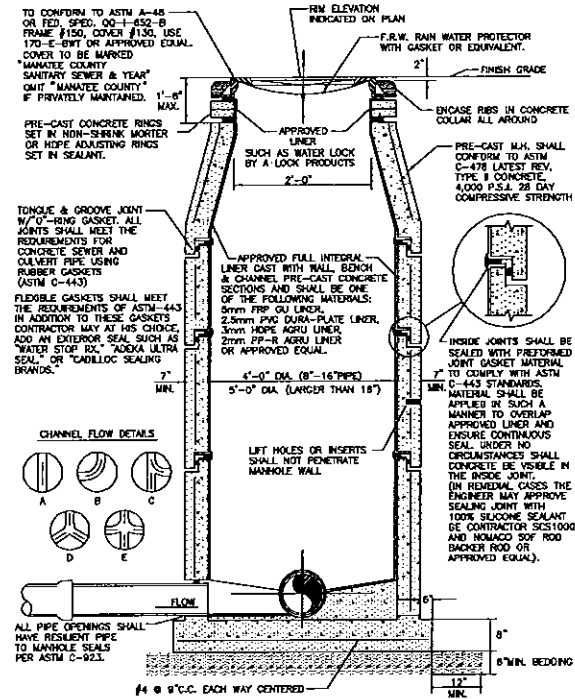
- NOTES:**
- RUBBER DONUTS ARE NOT TO BE USED.
 - SANITARY SEWER SERVICES TO BE MARKED IN CURB WITH A GREEN DISC THAT HAS THE FOOTAGE FROM CURB TO CLEAN-OUT.
 - SANITARY SEWER CLEAN-OUTS SHALL NOT BE LOCATED IN DRAINAGE SWALES, CEMENTS, SIDEWALKS OR DRIVEWAYS.
 - NO SERVICE CONNECTIONS TO BE MADE TO THE CLEAN-OUT INSIDE. ALL DOMESTIC CONNECTIONS SHALL BE MADE TO THE STUB-OUT PROVIDED.
 - CONTRACTOR TO USE TYPICAL TAPES ON THREADED C.J. COVER ON THREADED PLUG OR OTHER MEANS TO ENSURE WATER TIGHT SEAL.



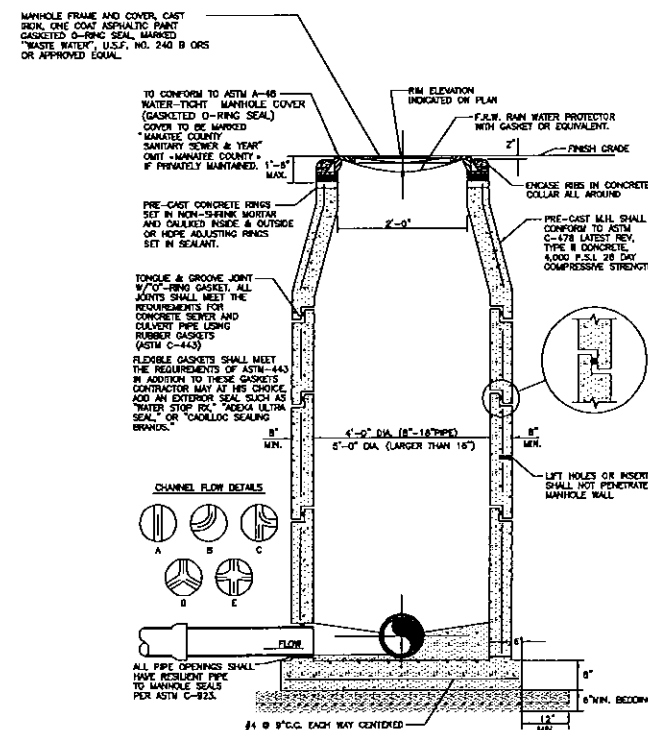
SINGLE AND DOUBLE SERVICE CONNECTION (US-17)
N.T.S.



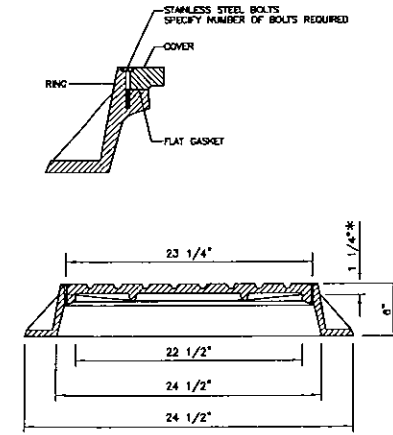
GATE VALVE AND TAG DETAIL (US-16)
N.T.S.



STANDARD PRE-CAST SANITARY SEWER MANHOLE FOR TURBULENT FLOW (US-3A)
N.T.S.



STANDARD PRE-CAST SANITARY SEWER MANHOLE FOR UNDISTURBED FLOW (US-3)
N.T.S.



TYPICAL MANHOLE RING & COVER SECTION

BOLTED WATER-TIGHT MANHOLE RING & COVER
N.T.S.

NO.	BY	DATE	DESCRIPTION
1	PSN	10-22-06	PLAN REVISIONS PER MANATEE COUNTY LETTER DATED 9-15-06
2	DWS	01-16-08	PLAN REVISIONS PER MANATEE COUNTY LETTER DATED 10-09-08
3			
4			
5			

NO.	BY	DATE	DESCRIPTION
6			
7			
8			
9			
10			

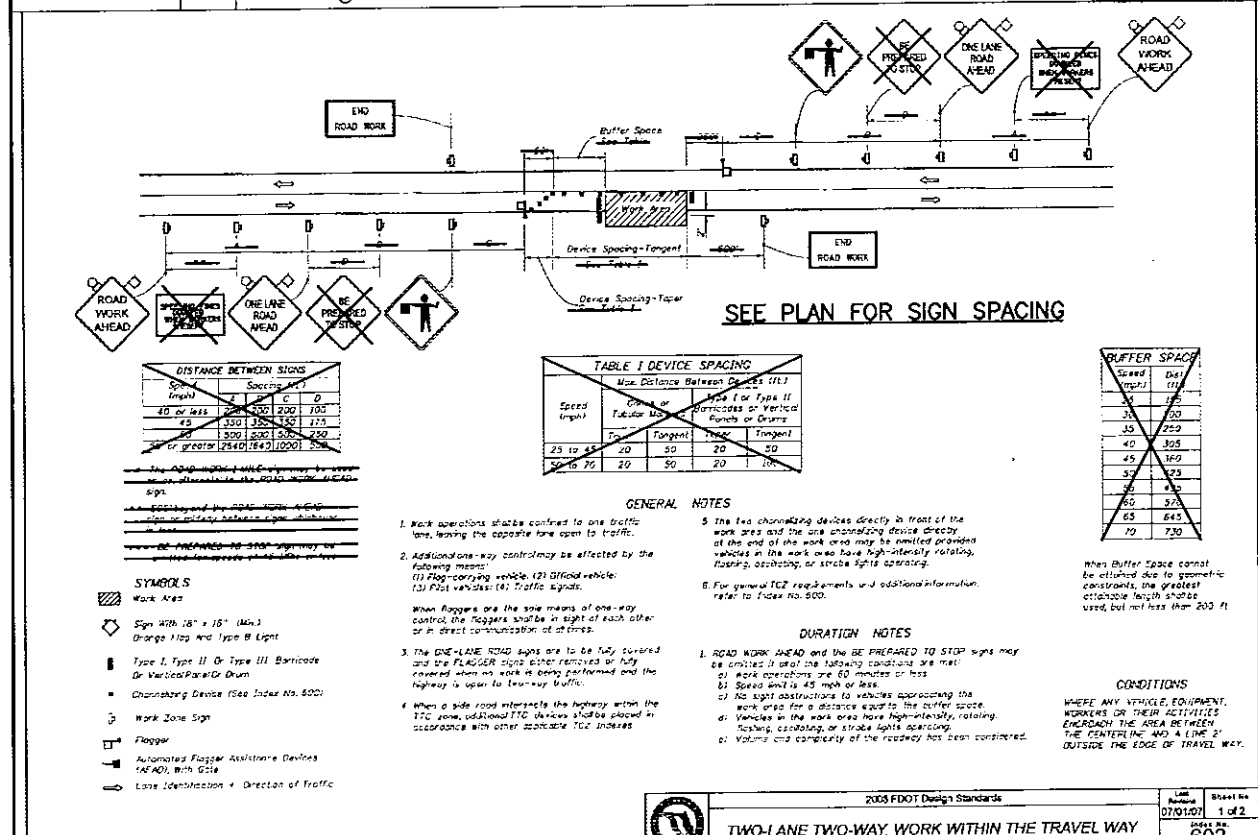
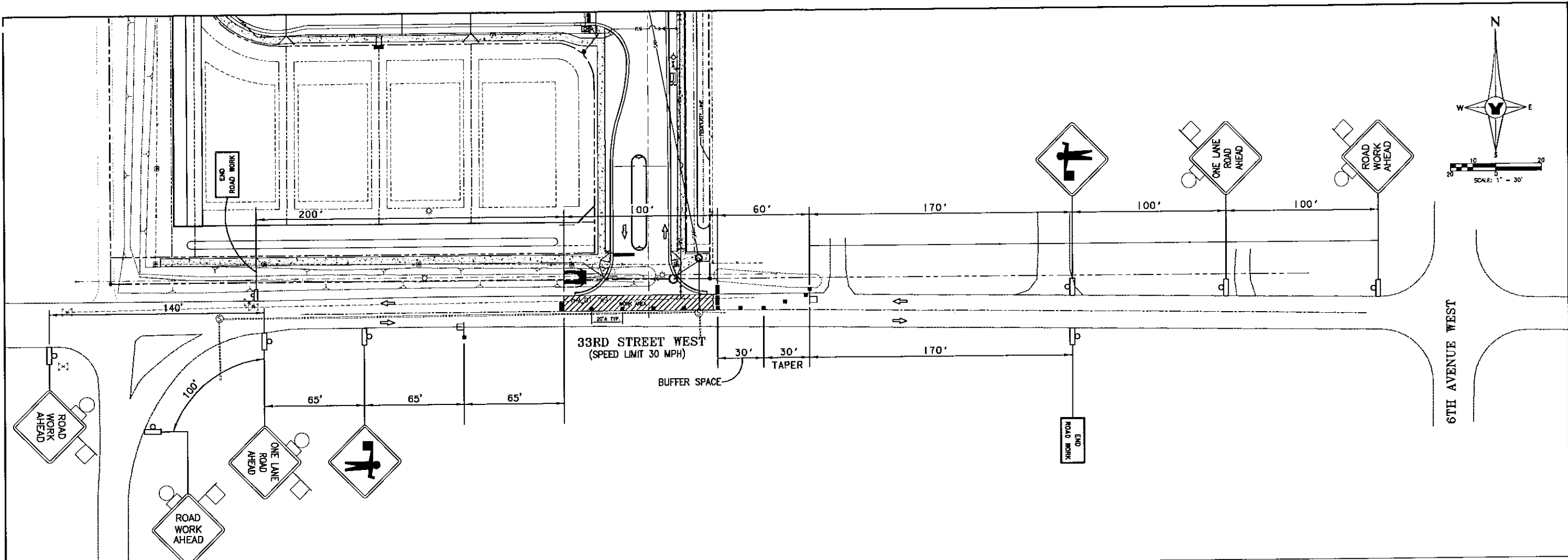
George F. Young, Inc.
10640 PORTAL CROSSING, SUITE 106 BRADENTON, FLORIDA 34211
PHONE (813) 747-2981 FAX (813) 747-7234
ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21
ARCHITECTURE/ENGINEERING/ENVIRONMENTAL/LANDSCAPE/PLANNING/SURVEYING UTILITIES
SINCE 1919 GARDNEVILLE/LAKEMOOD RANCH/ORLANDO/PALM BEACH/GARDNEYS-ST. PETERSBURG/TAMPA/VENICE

TASK	INITIALS	DATE
DESIGN	SEYKE	3-01-07
DRAWN	SEYKE	3-01-07
CHECKED	O'NEILL	
SCALE		NTS

PREPARED FOR: **JOE'S CREEK HOLDINGS I, LLC**
6550 53rd STREET
PINELLAS PARK, FLORIDA 33781

TERRA CEIA PALMS SUBDIVISION
SANITARY SEWER DETAILS
SECTION 2, TOWNSHIP 34 S., RANGE 17 E.

JOB NO. **0671018400**
SHEET NO. **C17**



SYMBOLS

- WORK AREA
- SIGN WITH 18"x18" (MIN.) ORANGE FLAG AND TYPE B LIGHT
- TYPE I, TYPE II OR TYPE III BARRICADE OR VERTICAL PANEL OR DRUM
- CHANNELIZING DEVICE (SEE INDEX NO. 600)
- WORK ZONE SIGN
- FLAGGER
- LANE IDENTIFICATION + DIRECTION OF TRAFFIC

GENERAL NOTES:

- THE CONTRACTOR'S MAINTENANCE OF TRAFFIC SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAY, PART VI (DATED 2003) AND ROADWAY TRAFFIC DESIGN STANDARDS INDEX No. 600-660, AS APPLICABLE (DATED 2008).
- WHENEVER CONSTRUCTION EQUIPMENT IS RELOCATED AND/OR DRIVEN ON OPEN TRAFFIC LANES, THE CONTRACTOR SHALL UTILIZE INDEX NO. 627.
- THE CONTRACTOR IS TO EXCAVATE ONLY THAT LENGTH OF ROADWAY WIDENING/CONNECTION, WHICH CAN BE BROUGHT TO GRADE AT DAYS END, IN ACCORDANCE WITH INDEX NO. 600 DROP-OFF CRITERIA. THE LANE CLOSURE CANNOT EXTEND PAST WORKING HOURS.

MANATEE COUNTY ROAD CLOSURE PROCEDURES

PRIOR TO THE CLOSURE OF A STREET OR ROAD, OR ANY LANES OF AN EXISTING ROAD IN INCORPORATED MANATEE COUNTY, THE TRANSPORTATION DEPT. MUST FIRST REVIEW AND APPROVE THE REQUEST. THE FOLLOWING IS AN OUTLINE OF THE MINIMUM REQUIREMENTS NECESSARY TO OBTAIN APPROVAL. ANY REQUEST MAY BE SUBJECT TO ADDITIONAL REQUIREMENTS BASED ON THE SPECIFICS NECESSARY TO SERVE THE GENERAL PUBLIC AND INSURE PUBLIC SAFETY.

- A DETAILED TRAFFIC CONTROL PLAN (TCP), CLEARLY SHOWING THE ALTERED ROUTE AND SIGNAGE PACKAGE, MUST BE SUBMITTED TO THE TRANSPORTATION DEPT. ALL TRAFFIC CONTROL MUST BE IN COMPLIANCE WITH F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS FOR DESIGN, CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS INDEX 600 THRU 660 STANDARDS. SOME SET-UPS MAY REQUIRE COMBINING INDEXES OR BEING ADJUSTED TO MEET FIELD CONDITIONS. ALL REVISIONS/CHANGES TO STANDARDS CONTAINED ON STANDARD INDEX 600, PAGES 1 THROUGH 11, THAT ARE SUBMITTED AS PART OF A TCP, REQUIRE APPROVAL AND MUST BE SIGNED AND SEALED BY A QUALIFIED, REGISTERED FLORIDA PROFESSIONAL ENGINEER.
- SPECIFIC TIMES, DATES AND LOCATIONS THE TCP IS TO BE IN OPERATION MUST BE SUBMITTED IN A FORMAT APPROVED BY THE TRANSPORTATION DEPARTMENT.
- A MINIMUM ADVANCED NOTICE OF 5 WORKING DAYS IS NECESSARY IN ALL CASES AND ADDITIONAL TIME MAY BE REQUIRED DEPENDING ON THE IMPACT OF THE CLOSURE. ANY CHANGE TO AN APPROVED TCP MUST HAVE AT LEAST 5 DAYS NOTICE.
- THE ROAD CLOSURE IS NOT TO GO INTO EFFECT UNTIL ALL CLOSURE AND DETOUR SIGNS ARE IN PLACE. ALL TRAFFIC CONTROL SIGNS MUST BE CHECKED TWICE A DAY BY THE WORKSITE TRAFFIC SUPERVISOR OR A PROPERLY TRAINED APPOINTED REPRESENTATIVE.
- THE NOTIFICATION OF ALL AFFECTED ENTITIES WILL BE MADE BY THE MANATEE COUNTY TRANSPORTATION DEPARTMENT AFTER ALL REQUIREMENTS HAVE BEEN MET.
- SIGNS ARE TO BE COVERED OR REMOVED WHEN NOT IN USE.
- ROAD CLOSURES LONGER THAN ONE DAY WILL REQUIRE ADVANCED NOTIFICATION SIGNS THAT DETAIL THE LENGTH OF THE CLOSURE, A MINIMUM OF THREE DAYS PRIOR TO THE CLOSING.
- FAILURE TO SECURE THE PROPER APPROVAL AND PERMITS MAY RESULT IN THE IMMEDIATE CESSATION OF WORK AND THE REMOVAL OF ALL EQUIPMENT, FACILITIES AND PERSONNEL FROM THE RIGHT-OF-WAY. UPON NOTIFICATION BY MANATEE COUNTY OF DEFICIENCIES IN THE TCP OR OTHER MATTERS INVOLVING TRAFFIC SAFETY, THE PERMITTEE SHALL IMMEDIATELY MAKE IMPROVEMENTS AS DIRECTED BY THE COUNTY. SHOULD MANATEE COUNTY DEEM CONDITIONS TO BE SUCH THAT IMMINENT DANGER IS PRESENT, ALL WORK SHALL CEASE IMMEDIATELY AND SHALL NOT RESUME UNTIL THE CONDITIONS ARE CORRECTED.

2008 FDOT Design Standards TWO-LANE TWO-WAY, WORK WITHIN THE TRAVEL WAY INDEX NO. 603		SCALE: 1" = 30' SHEET NO. 1 OF 2
George F. Young, Inc. 10540 PORTAL CROSSING, SUITE 100, BRADENTON, FLORIDA 34211 PHONE (813) 742-2000 FAX (813) 742-2034 ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21 ARCHITECTURE-ENGINEERING-ENVIRONMENTAL-LANDSCAPE-PLANNING-SURVEYING-UTILITIES SINCE 1919 GANESVILLE-LAKELAND-RANDOLPH-ORLANDO-PALEMBACH-SEASIDE-SPRINGFIELD-TAMPA-VENICE		TASK: INITIALS DATE DESIGN: NIKOLS 11-11-08 DRAWN: NIKOLS 11-11-08 CHECKED: O'NEILL DATE:
PREPARED FOR: JOE'S CREEK HOLDINGS 1, LLC 6550 53rd STREET PINELLAS PARK, FLORIDA 33761		TERRA CEIA PALMS SUBDIVISION TEMPORARY TRAFFIC CONTROL PLAN (33rd ST. W.) SECTION 2, TOWNSHIP 34 S., RANGE 17 E.
JOB NO. 0671018400 SHEET NO. C18		JOSEPH J. O'NEILL, P.E. NO. 11756