WIREGRASS PARCEL M11

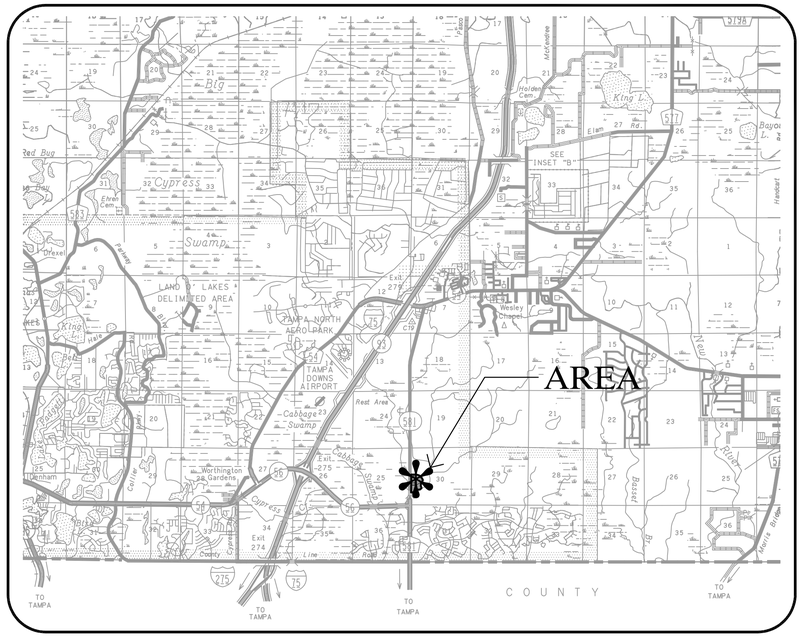
NON-RESIDENTIAL SUBDIVISION CONSTRUCTION PLANS

SECTION 30, TOWNSHIP 26 S, RANGE 20 E

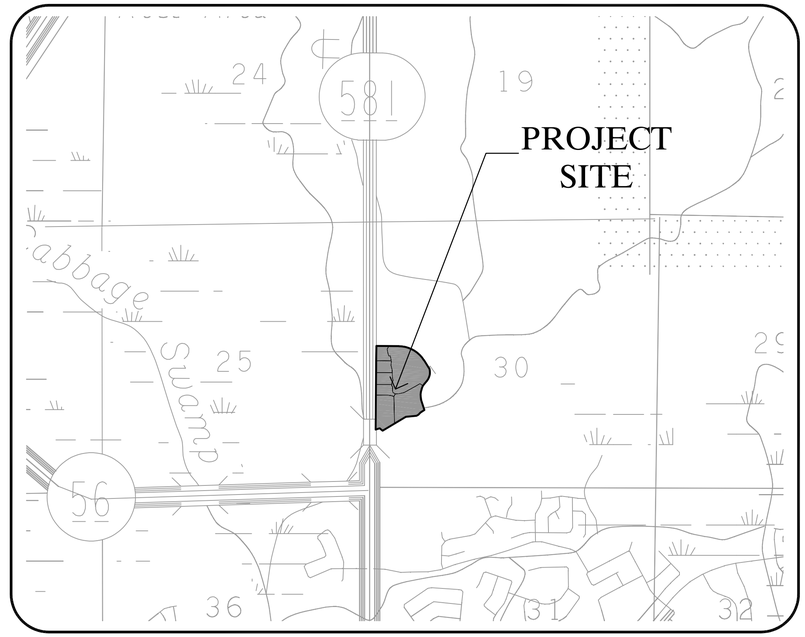
PASCO COUNTY, FLORIDA

PARCEL ID#'s

30 26 20 0000 00100 0100
30 26 20 0000 00200 0000
30 26 20 0000 00200 0020



LOCATION MAP



VICINITY MAP

FDOT SUBMITTAL	SWFWMD SUBMITTAL	PASCO COUNTY SUBMITTAL	SHEET NUMBER	SHEET TITLE
			DRAWING INDEX	
*	*	*	C1.01	COVER SHEET
*	*	*	C1.02	NOTES AND LEGENDS
*	*	*	C1.03	NOTES AND LEGENDS
*	*	*	C1.04	CONSTRUCTION POLLUTION PREVENTION PLAN
*	*	*	C2.01	DEMOLITION AND SITE PREPARATION PLAN
*	*	*	C2.02	DEMOLITION AND SITE PREPARATION PLAN
*	*	*	C2.50	GENERAL SITE PLAN
*	*	*	C2.51	EASEMENT PLAN
*		*	C3.51	SIGNING AND PAVEMENT MARKING PLAN
*		*	C3.52	SIGNING AND PAVEMENT MARKING PLAN
*	*	*	C4.01	PAVING, GRADING, DRAINAGE AND UTILITY PLAN
*	*	*	C4.02	PAVING, GRADING, DRAINAGE AND UTILITY PLAN
*	*	*	C4.51	PLAN AND PROFILE
*	*	*	C7.01	TYPICAL SECTIONS AND DETAILS
*	*	*	C7.51	CROSS SECTIONS
*	*	*	C7.52	CROSS SECTIONS
*	*	*	C7.53	CROSS SECTIONS
*	*	*	C8.01	EROSION CONTROL DETAILS
*	*	*	C9.01	GRADING DETAILS

SURVEY STATEMENT

THE SITE DESIGN AND DRAINAGE INFORMATION IS BASED ON EXISTING FIELD CONDITIONS AS PROVIDED BY FDC (FLORIDA DESIGN CONSULTANTS) AND SUPPLEMENTED BY KING ENGINEERING.

FOR:

LOCUST BRANCH, LLC

P.O. BOX 290069
TAMPA, FLORIDA 33687

BY:

King
ENGINEERING ASSOCIATES, INC.

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Permit Type	Permit No.	Status
PASCO COUNTY	-	-
S.W.F.W.M.D.	-	SUBMITTED OCTOBER 17, 2013
F.D.O.T. DRIVEWAY	-	-
F.D.O.T. DRAINAGE	-	-
N.P.D.E.S. NOI	-	-

NO.	DATE	DESCRIPTION	APP'D BY

JOB NO. 4463-014-000
DATE: 08/26/2013
SCALE: AS SHOWN
SHEET NO. C1.01
PASCO COUNTY SUBMITTAL
October 21, 2013

Q:\CIVIL\4463\014\000\CAD\CDS\COVER.dwg , October 22, 2013 11:28 AM, JENNY S. HEMOND , King Engineering Associate Inc.

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GENERAL NOTES

1. THE DEVELOPER AND/OR HIS DESIGNATED PROPERTY OWNERS ASSOCIATION SHALL OWN AND MAINTAIN ALL COMMON AREAS, DRAINAGE EASEMENTS, JURISDICTIONAL AREAS, ETC.
2. POTABLE WATER & SANITARY SEWAGE DISPOSAL SERVICE IS PROVIDED BY PASCO COUNTY UTILITIES FROM EXISTING MAINS.
3. TELEPHONE SERVICE IS TO BE PROVIDED BY VERIZON AND/OR BRIGHTHOUSE. ELECTRIC SERVICE IS PROVIDED BY WITHLACOOCHEE RIVER ELECTRIC CO-OP.
4. PROPOSED DRAINAGE AND UTILITY EASEMENTS ARE SHOWN ON THE CONSTRUCTION PLANS, AS APPLICABLE.
5. ALL AREAS WITHIN THE LIMITS OF THE PROPOSED PLAN ARE ZONE "X" OR "AE" AS NOTED ON F.E.M.A. FIRM COMMUNITY PANEL #120230 0430E, DATED SEPT. 30, 1992. BASE FLOOD ELEVATION VARIES FROM 59.2± TO 62.75± PER WIREGRASS RANCH SCAP APPROVED DRAINAGE MODEL. THE SITE HAS BEEN PREVIOUSLY MASS GRADED PER PRIOR PERMITTING APPROVALS.
6. ALL WATER AND WASTEWATER FACILITIES HAVE BEEN INSTALLED IN COMPLIANCE WITH THE PASCO COUNTY "STANDARD FOR DESIGN AND CONSTRUCTION OF WATER, WASTEWATER, RECLAIMED WATER FACILITIES FOR PASCO COUNTY, LATEST EDITION."
7. THE CONTRACTOR SHALL NOT ENTER UPON OR IN ANY WAY ALTER ANY WETLAND AREAS, EXCEPT AS AUTHORIZED BY THE APPROPRIATE ENVIRONMENTAL PERMIT. ALL WORK IN THE VICINITY OF OPEN WATER OR WETLANDS IS TO BE IN COMPLIANCE WITH ANY AND ALL PERMITS.
8. THE CONTRACTOR IS TO CONTROL ALL FUGITIVE DUST ORIGINATING ON THIS PROJECT BY WATERING OR OTHER METHODS AS ACCEPTED BY THE OWNER OR HIS AUTHORIZED REPRESENTATIVE.
9. BURN PERMITS, IF REQUIRED, WILL BE OBTAINED FROM THE DIVISION OF FORESTRY BY THE CONTRACTOR.
10. WETLAND LIMITS SHALL BE FIELD STAKED PRIOR TO CONSTRUCTION.
11. SIDEWALK CROSSINGS ARE TO HAVE STRIPING AND SIGNAGE IN COMPLIANCE WITH FDOT INDEX NUMBERS 17346 AND 17355.
12. BELOW IS A LIST OF SUPPLIERS OF THE PROJECT UTILITIES:

    WATER AND SEWER: PASCO COUNTY UTILITIES DEPARTMENT
    WEST PASCO COUNTY GOVERNMENT
    7536 STATE STREET, SUITE 228
    NEW PORT RICHEY, FLORIDA 34654

    FIRE: PASCO COUNTY EMERGENCY SERVICES DEPARTMENT
    530 SUNSET ROAD
    NEW PORT RICHEY, FLORIDA 33552

    ELECTRICAL: WITHLACOOCHEE RIVER ELECTRIC CO-OP
    PO BOX 1278
    SAN ANTONIO, FLORIDA 33576
    (352) 588-5115
    KENNY ADAMS

13. PROJECT OWNER: WIREGRASS RANCH, INC.
    P.O. BOX 40
    SAN ANTONIO, FLORIDA 33576
    (813) 988-9171

    PROJECT SURVEYOR: KING ENGINEERING ASSOCIATES, INC.
    4921 MEMORIAL HIGHWAY
    ONE MEMORIAL CENTER, SUITE 300
    TAMPA, FLORIDA 33634
    (831) 880-8881

    DEVELOPER: LOCUST BRANCH, LLC
    P.O. BOX 290069
    TAMPA, FLORIDA 33687
    (813) 988-9171
    J. MICHAEL GRAMLING

    PROJECT ENGINEER: KING ENGINEERING ASSOCIATES, INC.
    4921 MEMORIAL HIGHWAY
    ONE MEMORIAL CENTER, SUITE 300
    TAMPA, FLORIDA 33634
    (831) 880-8881

14. AS APPLICABLE, UTILITY LINES OF ALL KINDS, INCLUDING, BUT NOT LIMITED TO, ELECTRIC POWER AND LIGHT, TELEPHONE, CABLE TELEVISION, WATER, SEWER, AND GAS SHALL BE CONSTRUCTED AND INSTALLED BENEATH THE SURFACE OF THE GROUND.
15. PRE-DEVELOPMENT FLOW: IN EXISTING CONDITIONS, THE REFERENCED PROJECT SITE DRAINS STORMWATER RUNOFF VIA OVERLAND FLOW FROM THE CENTRAL PORTION OF THE SITE TO THE TEMPORARY STORMWATER TREATMENT PONDS AND THEN TOWARD THE SURROUNDING WETLANDS. THE WETLAND SYSTEM CONVEYS STORMWATER ACROSS SR581 TO TROUT CREEK.

    POST-DEVELOPMENT FLOW: ROADWAY STORMWATER RUNOFF WILL BE TREATED VIA THE TEMPORARY ONSITE STORMWATER INFRASTRUCTURE SYSTEM PREVIOUSLY DESIGNED TO MEET THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT (SWFWMD) AND PASCO COUNTY MINIMUM STORMWATER REQUIREMENTS. THE PROJECT WILL ULTIMATELY DISCHARGE INTO THE EXISTING WETLANDS THAT FLOW OFFSITE AS DESCRIBED ABOVE. POST-DEVELOPMENT DISCHARGE FROM THE PROPOSED PROJECT IS NOT TO EXCEED EXISTING DISCHARGE RATES. DEVELOPMENT OF THIS PROJECT SHALL NOT CAUSE ADVERSE STORMWATER IMPACTS TO ADJACENT PROPERTIES.
16. THE SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED PRIOR TO CONSTRUCTION COMMENCEMENT, AND MAINTAINED THROUGHOUT CONSTRUCTION AND UNTIL THE SITE IS PERMANENTLY STABILIZED.
17. IT IS THE OWNER'S RESPONSIBILITY TO INSPECT AND MAINTAIN THE WATER RETENTION SYSTEM ON A REGULAR BASIS.
18. ALL DEMOLITION SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF BY THE CONTRACTOR.
19. THERE ARE NO KNOWN HISTORIC RESOURCES ONSITE, HOWEVER, IF, DURING CONSTRUCTION ACTIVITIES, ANY EVIDENCE OF HISTORIC RESOURCES, INCLUDING, BUT NOT LIMITED TO, ABORIGINAL OR HISTORIC POTTERY, PREHISTORIC STONE TOOLS, BONE OR SHELL TOOLS, HISTORIC TRASH PITS, OR HISTORIC BUILDING FOUNDATIONS, ARE DISCOVERED, WORK SHALL COME TO AN IMMEDIATE STOP AND PASCO COUNTY AND THE STATE HISTORIC PRESERVATION OFFICER SHALL BE NOTIFIED WITHIN TWO WORKING DAYS OF THE RESOURCES BEING FOUND ONSITE.
20. THE PROJECT IS NOT LOCATED IN A WELLHEAD PROTECTION AREA OR SPECIAL PROTECTION AREA.
21. EXISTING CONTOURS ARE BASED ON NGVD 1929.
22. ALL DISTURBED STORMWATER POND BANKS SHALL BE RESODDED.
23. THE CONTRACTOR IS TO EXERCISE EXTREME CAUTION IN THE VICINITY OF EXISTING TREES TO REMAIN AND WETLAND AREAS, AND IS RESPONSIBLE FOR ANY DAMAGE RESULTING FROM HIS WORK.
24. ALL DISTURBED AREAS AT CONNECTION WITH EXISTING ROADWAYS SHALL BE SODDED.
25. ALL ROADWAY CONSTRUCTION MUST BE IN ACCORDANCE WITH THE CURRENT VERSION OF THE "MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE OF STREETS AND HIGHWAYS, STATE OF FLORIDA", PURSUANT TO 336.045 F.S.
26. AS APPLICABLE, SIDEWALKS AS INDICATED ON THE CONSTRUCTION PLANS ARE TO BE PROVIDED AS REQUIRED WITHIN THE LAND DEVELOPMENT CODE, SIDEWALKS SHALL BE 4" THICK WITH A MINIMUM 3000 PSI CONCRETE STRENGTH (28 DAY). AT DRIVEWAY CROSSINGS, THE THICKNESS SHALL BE 6" (MIN.).
27. IF, DURING CONSTRUCTION ACTIVITIES, ANY EVIDENCE OF THE PRESENCE OF STATE AND FEDERALLY PROTECTED PLANT AND/OR ANIMAL SPECIES ARE DISCOVERED, WORK SHALL COME TO AN IMMEDIATE STOP AND PASCO COUNTY SHALL BE NOTIFIED WITHIN TWO WORKING DAYS OF THE PLANT AND/OR ANIMAL SPECIES FOUND ON THE SITE. PRECONSTRUCTION BREEDING SURVEYS WILL BE CONDUCTED AND REPORTS WILL BE SUBMITTED TO PASCO COUNTY AND FWC PRIOR TO ISSUANCE OF THE SITE DEVELOPMENT PERMIT AND/OR CONSTRUCTION ACTIVITIES.
28. PRIOR TO CONSTRUCTION, A BUILDING PERMIT SHALL BE OBTAINED FOR ALL STRUCTURES THAT HAVE A FOOTER, REGARDLESS OF SIZE, THROUGH PASCO COUNTY CENTRAL PERMITTING (I.E. INCLUDING BUT NOT EXCLUSIVE OF BUILDINGS, ACCESSORIES, AND RETAINING WALLS).
29. MAINTENANCE EASEMENTS MUST CONTAIN CLEAR OPERABLE ACCESSIBILITY.
30. CONTRACTOR TO PROVIDE DRI TEST OR EQUIVALENT TO CONFIRM PERMEABILITY & POROSITY RATES ON ANY FILL TO BE USED FOR RESHAPING OF STORMWATER DRY POND TO ENSURE A FACTOR OF SAFETY OF 2 WITH ENGINEERING CALCULATIONS.
31. CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY MAINTENANCE OF TRAFFIC.
32. ELEVATIONS SHOW HEREON ARE IN FEET AND ARE BASED ON BENCHMARK "581-03", A FLORIDA DEPARTMENT OF TRANSPORTATION DISK SET IN CONCRETE, 1.55 MILES NORTH OF THE INTERSECTION OF COUNTY LINE ROAD AND 103.1 FEET LEFT OF THE CENTERLINE OF SURVEY OF C.R. 581. THE ELEVATION IS 60.70 FEET NGVD 1929,A ND BENCHMARK "581-05", A FLORIDA DEPARTMENT OF TRANSPORTATION DISK SET IN CONCRETE, 1.92 MILES NORTH OF THE INTERSECTION OF COUNTY LINE ROAD AND C.R. 581 AND 104.99 FEET LEFT OF THE CENTERLINE OF SURVEY OF C.R. 581. THE ELEVATION IS 61.01 FEET NGVD 1929.
33. BEARINGS SHOWN HEREON ARE GRID BEARINGS BASED UPON A NETWORK ADJUSTMENT OF G.P.S. OBSERVATIONS ORIGINATING FROM NATIONAL GEODETIC SURVEY CONTROL STATIONS "BRANCH", "W27-106" AND "STANLEY" UTILIZING THEIR POSITIONS AS PUBLISHED BY THE NATIONAL GEODETIC SURVEY. THE EAST RIGHT OF WAY LINE OF BRUCE B. DOWNS BOULEVARD (STATE ROAD 581) BEARS N00°29'34"E AND HAS BEEN STATED HEREIN FOR REFERENCE PURPOSES.
34. THE DATUM SHIFT FOR THIS PROJECT IS 0.82 FEET. EXAMPLE: ELEVATION 62.800 FEET IN NAVD88 IS 63.620 FEET IN NGVD29.

PASCO COUNTY DEVELOPMENT REVIEW NOTES

1. ALL UTILITY CONSTRUCTION SHALL COMPLY WITH THE PASCO COUNTY STANDARDS FOR DESIGN AND CONSTRUCTION OF WATER AND WASTEWATER FACILITIES SPECIFICATIONS, LATEST EDITION.
2. ALL ON-SITE WATER AND SEWER FACILITIES SHALL BE OWNED AND MAINTAINED BY THE OWNER-DEVELOPER.
3. THE OWNER/DEVELOPER ACKNOWLEDGES THAT THIS APPROVAL DOES NOT INCLUDE ANY WORK IN COUNTY RIGHT-OF-WAY. ALL RIGHT-OF-WAY WORK SHALL BE A FUNCTION OF AN APPROVED PASCO COUNTY RIGHT-OF-WAY USE PERMIT.
4. ALL CLEAR-SITE AREAS SHALL BE KEPT FREE OF ANY SIGNAGE, PLANTINGS, TREES, ETC. IN EXCESS OF THREE-AND-A-HALF (3-1/2) FEET IN HEIGHT.
5. NO IRRIGATION SYSTEM OR LANDSCAPING SHALL BE INSTALLED IN ANY COUNTY OR STATE RIGHT-OF-WAY WITHOUT ISSUANCE OF APPROPRIATE RIGHT-OF-WAY USE PERMIT.
6. THE OWNER/DEVELOPER ACKNOWLEDGES THAT THE SITE AND ITS SUBSEQUENT BUILDING PERMITS SHALL COMPLY WITH ALL REZONING/MPUD/PUD CONDITIONS.
7. ALL STRUCTURES, INCLUDING BUFFER WALLS, RETAINING WALLS, SIGNAGE, ETC. REQUIRE SEPARATE BUILDING PERMITS.
8. ALL FIRST FLOOR (FF) ELEVATIONS SHALL BE A MINIMUM OF 1' ABOVE THE BASE FLOOD ELEVATION OR AS REQUIRED BY THE LDC SECTION 701. (LDC 306.3.c,701.9.b.2).
9. AS APPLICABLE, THE OWNER/DEVELOPER SHALL PROVIDE COPIES OF THE REQUIRED PERMITS FROM THE RESPECTIVE GOVERNING AGENCIES PRIOR TO ISSUANCE OF THE SDP (LCD 605.3.cc).

FIRE PROTECTION NOTES

1. ALL PROJECTS MUST COMPLY WITH PASCO COUNTY FIRE HYDRANT ORDINANCE NO. 46-51 AND SBCCI STANDARD FIRE PROTECTION CODE, LATEST EDITION.
2. FIRE HYDRANTS SHALL BE INSTALLED AND IN SERVICE PRIOR TO THE ACCUMULATION OF COMBUSTIBLES.
3. PER THE NATIONAL FIRE PROTECTION ASSOCIATION, NFPA-1, 16.4.3.1.3: WHERE UNDERGROUND WATER MAINS AND HYDRANTS ARE TO BE PROVIDED, THEY SHALL BE INSTALLED, COMPLETED, AND IN SERVICE PRIOR TO CONSTRUCTION WORK.
4. PER NFPA-1, 18.3.4.1: CLEARANCES OF 7.5 FEET IN FRONT OF AND TO THE SIDES OF THE FIRE HYDRANT WITH FOUR-FOOT CLEARANCE TO THE REAR MUST BE MAINTAINED AT ALL TIMES.
5. GATED ENTRIES REQUIRE A SIREN OPERATING SYSTEM OR A 3M OPTICOM SYSTEM FOR EMERGENCY ACCESS.
6. CANOPIES, BALCONIES, ETC. SHALL HAVE A MINIMUM OF 13'-6" HEIGHT CLEARANCE.

SITE DATA

PARCEL ID:
30-26-20-0000-00200-0000,
30-26-20-0000-00200-0020,
30-26-20-0000-00100-0100

FUTURE LAND USE: PD (PLANNED DEVELOPMENT)
PRESENT ZONING: MPUD
EXISTING LAND USE: VACANT
PROPOSED LAND USE: NONRESIDENTIAL SUBDIVISION (SUBDIVISION)
PETITION NUMBERS: RZ6976 (APPROVED 07/12/11)
TOTAL PROJECT AREA: 31.856 AC
ONSITE PROJECT LIMITS: 2.00 AC.
IMPERVIOUS AREA: 0.84 AC
OPEN SPACE: 16.66 AC
WETLAND AREA: 3.10 AC
SURFACE WATER AREA: 11.26 AC

WETLANDS AND SURFACE WATERS WITHIN PROJECT AREA:
WETLANDS:
CATEGORY I: 3.10 AC
CATEGORY II: 0.00 AC
CATEGORY III: 0.00 AC

SURFACE WATER AREAS:

B29	11.26 AC
POND A-1	0.10 AC
POND A	0.09 AC
POND B	0.11 AC
POND C	0.09 AC
POND D	0.28 AC
POND E	0.21 AC

DEVELOPABLE ACREAGE: 17.50 AC.

WETLAND AND SURFACE WATER IMPACT AREA:
PERMANENT:
WETLAND: 0.00 AC
SURFACE WATER: 0.00 AC

TEMPORARY SURFACE WATER IMPACTS:
SURFACE WATER: AREA:
POND D 0.06 AC

EXISTING TREES HAVE BEEN LOCATED WITHIN THE PROJECT LIMITS.
EXISTING TREES TO BE REMOVED = 0

EROSION AND SEDIMENTATION CONTROL NOTES

1. PROVIDE ALL DISTURBED AREAS WITHIN THE LIMITS OF THE WORK WITH TEMPORARY SOIL EROSION CONTROL AND SEDIMENT CONTROL, UTILIZING EARTH DAMS & PONDS, GRADE TO DRAIN SWALES, SETTLING BASINS, SILT FENCES, STONE FILTERS, HAY BALE FILTERS, ETC., TREATING ALL SOIL SURFACES WITH SEEDED TOPSOIL AND / OR MULCH AFTER GRADING.
2. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
3. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION, AIR AND WATER POLLUTION WILL BE MINIMIZED. STATE AND LOCAL LAWS SHALL BE COMPLIED WITH AT ALL TIMES.
4. MINIMIZE THE AMOUNT OF BARE SOIL EXPOSED AT ONE TIME AND INSTALL SOIL EROSION CONTROL FENCES AS SHOWN AND IN SUCH A MANNER AS TO CAPTURE AND FILTER SURFACE WATER DURING CONSTRUCTION.
5. PERMANENT VEGETATION SHALL BE BY SEEDING OR SODDING ALL EXPOSED AREAS WITHIN THREE DAYS AFTER FINAL GRADING. MULCH SHALL BE USED AS NECESSARY FOR PROTECTION UNTIL 75% GROWTH IS ESTABLISHED.
6. AT THE TIME WHEN THE SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL WHICH WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER SHALL BE REMOVED OR TREATED IN SUCH A WAY AS TO PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER.
7. ALL NEW EROSION AND SILT CONTROL METHODS AND LOCATIONS INDICATED ON THIS DRAWING ARE FOR START-UP AND GENERAL REFERENCE AND SHALL BE ADJUSTED, AS REQUIRED, TO SUIT THE PROCESS OF THE CONSTRUCTION. WHEN CHANGING SOIL EROSION CONTROL BARRIER, THE BARRIERS ARE TO BE OVERLAP.
8. ALL DISTURBED AREAS WITHIN THE LIMITS OF CONSTRUCTION SHALL RECEIVE VEGETATIVE TREATMENT AFTER FINAL GRADING IN ACCORDANCE WITH THESE PLANS. DISTURBED AREAS NOT SPECIFICALLY DESIGNATED WITH A VEGETATIVE COVER SHALL BE VEGETATED AS FOLLOWS:
9. SIDE SLOPES CONSTRUCTED AT 4:1 (H TO V) SHALL BE SODDED WITH ARGENTINE BAHIA OR, SEEDED AND THEN COVERED WITH AN EROSION CONTROL BLANKET. THE BLANKET SHALL BE THE S75BN BLANKET AS MANUFACTURED BY NORTH AMERICA GREEN OR APPROVED EQUIVALENT. SIDE SLOPES LESS THAN 5:1 (H TO V) SHALL BE SEEDED AND MULCHED.
10. HAY BALES SHALL BE PLACED ON THE UPLAND SIDE AND ADJACENT TO ALL SILT FENCE WHICH IS ADJACENT TO WETLAND AREAS TO PROVIDE ADDED SILTATION PROTECTION OF THE COMMENCEMENT OF CONSTRUCTION. THE HAY BALES SHALL BE REMOVED AT SUCH TIME AS THEIR PRESENCE IMPEDES CONSTRUCTION.
11. ALL PRACTICABLE AND NECESSARY EFFORT, INCLUDING BUT NOT LIMITED TO THE USE OF STAKED HAY BALES OR STAKED SILT SCREEN BARRIERS, SHALL BE TAKEN DURING CONSTRUCTION TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT MATERIALS TO INLETS, SURFACE DRAINS, WETLANDS AND LAKE AREAS.THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RESTORATION EFFORTS THAT MAY BE REQUIRED.

PAVING, GRADING AND DRAINAGE NOTES

1. ALL NOTES APPLY TO ALL PAVING, GRADING AND DRAINAGE PLAN SHEETS.
2. THE LOCATION OF EXISTING UTILITIES ARE APPROXIMATE AS SHOWN AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF THE UTILITIES PRIOR TO CONSTRUCTION IN THEIR VICINITY.
3. CONTRACTOR TO NOTIFY ONE CALL OF FLORIDA, WREC, AND ANY OTHER UTILITY COMPANIES NOT REPRESENTED BY ONE CALL OF FLORIDA 48 HOURS PRIOR TO CONSTRUCTION FOR LOCATION OF EXISTING UTILITIES. CALL ONE CALL OF FLORIDA AT 1-800-432-4770.
4. ALL UNDERGROUND UTILITIES MUST BE INSTALLED BEFORE SUB-BASE, BASE AND SURFACE ARE CONSTRUCTED.
5. ALL PRACTICAL AND NECESSARY EFFORT SHALL BE TAKEN DURING CONSTRUCTION TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT TO SURFACE DRAINS.
6. SPECIAL CARE IS TO BE TAKEN TO INSURE THAT TREES OUTSIDE CLEARING LIMITS FOR ROADWAY, UTILITIES, DRAINAGE, ETC., REMAIN UNHARMED.
7. CONFLICTS BETWEEN WATER, STORM LINES AND STRUCTURES ARE TO BE RESOLVED BY ADJUSTING WATER LINES AS NECESSARY.
8. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH PASCO COUNTY STANDARDS AS REQUIRED.
9. PIPE MEASUREMENTS ARE TO CENTER OF STRUCTURES FOR INLETS AND STORM MANHOLES, AND TO THE END OF STRUCTURES FOR END STRUCTURES (FES OR MES). CURB INLET STATIONS ARE CALCULATED TO EDGE OF PAVEMENT, ALL PIPE LENGTHS ARE PLUS OR MINUS.
10. PROPOSED DRAINAGE AND UTILITY EASEMENTS WILL BE GRANTED WHEN RECORDED AT THE COMPLETION OF CONSTRUCTION.
11. ALL PROPOSED ROADWAY CONSTRUCTION AND TRAFFIC CONTROL DEVICES ARE PREPARED IN ACCORDANCE WITH THE CURRENT VERSION OF THE "MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS", STATE OF FLORIDA AND THE PASCO COUNTY DEVELOPMENT CODE.
12. THE STAKED EROSION CONTROL WILL BE INSTALLED PRIOR TO EARTHWORK OPERATIONS COMMENCING AND IS TO BE MAINTAINED THROUGH PROJECT COMPLETION.
13. ALL SWALES SHOWN ON PLANS SHALL BE SODDED AS SHOWN ON THE SECTIONS.
14. STORM SEWER PIPE LINES WILL NOT BE INSTALLED PRIOR TO PLACEMENT AND ALIGNMENT OF INLET STRUCTURES.
15. IN ACCORDANCE WITH SECTION 603.2.C.8 OF THE PASCO COUNTY LAND DEVELOPMENT CODE, DRAINAGE AREAS THAT ABUT ROAD RIGHT-OF-WAYS SHALL BE PLANTED WITH TREES SELECTED FROM THE TREE LIST AT A RATE OF (1) ONE TREE PER (50) FIFTY LINEAR FEET OF POND BANK.
16. MAINTAIN A MIN. OF 0.3% SLOPE IN ALL GUTTERS (INCLUDING GUTTERS IN "WARPED" ROAD SECTIONS).
17. NO EXCAVATION SHALL EXTEND BELOW THE PERMITTED DESIGN DEPTHS/ELEVATIONS SHOWN ON THE DRAWINGS, UNLESS ADDITIONAL TESTING SUPPORTS OTHERWISE; AND NO LOWER SEMI-CONFINING UNIT CLAYEY SOIL MATERIAL AND/OR NO LIMESTONE MATERIALS SHALL BE EXCAVATED, REGARDLESS IF THESE MATERIALS ARE ENCOUNTERED WITHIN THE PERMITTED EXCAVATION DEPTHS/ELEVATIONS. IF ANY LOWER SEMI-CONFINING UNIT CLAYEY SOIL MATERIALS OR LIMESTONE MATERIALS ARE ENCOUNTERED ABOVE THE PERMITTED DEPTHS/ELEVATIONS, THEN EXCAVATION OPERATIONS SHALL CEASE IN THE GENERAL AREA. ENVIRONMENTAL PROTECTION COMMISSION MUST BE CONTACTED PRIOR TO ANY EXCAVATION OF CLAYS.
18. ALL REINFORCED CONCRETE PIPE (RCP) SHALL BE CLASS III, UNLESS IDENTIFIED DIFFERENTLY ON PLANS.
19. ALL RADII ARE 5' UNLESS OTHERWISE INDICATED.
20. IF THE SLUMPING OR SINKHOLE FORMATION BECOMES EVIDENT BEFORE OR DURING CONSTRUCTION ACTIVITIES, STOP ALL WORK (EXCEPT FOR MITIGATION ACTIVITIES) IN THE AFFECTED AREA AND REMAIN STOPPED UNTIL THE COUNTY AND SWFWMD APPROVE RESUMING CONSTRUCTION ACTIVITIES. TAKE IMMEDIATE MEASURES TO ENSURE NO SURFACE WATER DRAINS INTO THE AFFECTED AREAS. VISUALLY INSPECT THE AFFECTED AREA. EXCAVATE AND BACKFILL OR GROUT AS REQUIRED TO FILL THE AFFECTED AREA AND PREVENT FURTHER SUBSIDENCE. USE SOIL REINFORCEMENT MATERIALS IN THE BACKFILLING OPERATION, WHEN APPROPRIATE.
21. IF THE AFFECTED AREA IS IN THE VICINITY OF A WATER-RETENTION AREA, MAINTAIN A MINIMUM DISTANCE OF TWO FEET FROM THE BOTTOM OF THE RETENTION POND TO THE SURFACE OF THE LIMEROCK OR KARST CONNECTION.
22. IF THE AFFECTED AREA IS IN THE VICINITY OF A WATER-RETENTION AREA AND THE ABOVE METHODS DO NOT STABILIZE THE COLLAPSE, RELOCATE THE RETENTION AREA.
23. DISCHARGE OF STORMWATER INTO DEPRESSIONS WITH DIRECT OR DEMONSTRATED HYDROLOGIC CONNECTION TO THE FLORIDIAN AQUIFER SHALL BE PROHIBITED.
24. ALL SODDED SLOPES OVER 4 TO 1 SHALL BE INSTALLED WITH SOD PEGS (PER LDC 605.3.Z).
25. ANY OFF SITE DISTURBANCE SHALL BE RESTORED TO THE PRE OR BETTER CONDITIONS (PER LDC 605.3.D & P).
26. ALTERNATE STORM PIPE MATERIALS MEETING FDOT INDEX NO. 205 MAY BE SUBMITTED TO THE ENGINEER OF RECORD FOR APPROVAL FOR USE IN THE STORMWATER PIPE SYSTEM.
27. AS APPLICABLE, THE OWNER/DEVELOPER WILL PROVIDE COPIES OF THE REQUIRED PERMITS FROM THE RESPECTIVE GOVERNING AGENCIES, PRIOR TO ISSUANCE OF THE SITE DEVELOPMENT PERMIT (SDP) (PER LDC 605.3cc).
28. CONTRACTOR TO PROVIDE DEWATERING PLAN.
29. CONTRACTOR SHALL COMPLY TO THE FOLLOWING EARTHWORK SPECIFICATIONS AS APPLICABLE:
    A. EARTHWORK TESTING STANDARDS – EMBANKMENTS WITHIN THE WIREGRASS PARCEL M11 SITE SHALL BE COMPACTED TO FIELD DENSITY – (AASHTO T-191 OR T-238) 100% OF AASHTO T-99, METHOD "A".
    B. LIFT DEPTH – FILLS SHALL BE FORMED OF SUITABLE MATERIAL PLACED IN LAYERS OF NOT MORE THAN 8 INCHES IN DEPTH MEASURED LOOSE AND ROLLED AND/OR VIBRATED WITH SUITABLE EQUIPMENT UNTIL COMPACTED. THICKNESS OF LAYERS MAY BE INCREASED PROVIDED THE EQUIPMENT AND METHODS USED ARE PROVEN BY FIELD DENSITY TESTING TO BE CAPABLE OF COMPACTING THICKER LAYERS TO SPECIFIED DENSITIES. LAYER THICKNESS SHALL BE DECREASED IF EQUIPMENT AND METHODS USED ARE PROVEN TO BE INCAPABLE OF COMPACTING LAYERS TO SPECIFIED DENSITIES.

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Q:\CIVIL\4463\014\000\CAD\CDS\NTS-LEG.dwg , October 22, 2013 7:42 AM , King Engineering Associate Inc.

DESIGNED	NLL
DRAWN	GGL
CHECKED	XXX
Q.C.	XXX

THE SIGNATURE OF THE QUALITY CONTROL OFFICER IN THIS SPACE INDICATES THAT ALL REQUIRED PERMITS HAVE BEEN OBTAINED AND THAT CONSTRUCTION IS AUTHORIZED TO COMMENCE:

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Engineering License #2610

WIREGRASS PARCEL M11
FOR
LOCUST BRANCH, LLC
P.O. BOX 290069
TAMPA, FLORIDA 33687

NOTES AND LEGENDS

NO.	DATE	DESCRIPTION	APPD BY

JOB NO. 4463-014-000	SHEET NO. C1.02
DATE: 08/26/2013	
SCALE: AS SHOWN	

PASCO COUNTY SUBMITTAL
October 21, 2013

EXISTING LEGEND

- UNDERGROUND CABLE TELEVISION MARKER — CATV
- CABLE TELEVISION UTILITY BOX — CATV
- UNDERGROUND TELEPHONE CABLE ROUTE SIGN — UTM
- TELEPHONE UTILITY BOX — TUB
- FIRE HYDRANT — FH
- FIRE DEPARTMENT CONNECTION — FDC
- UTILITY POLE — UP
- LIGHT POLE — LP
- UTILITY & LIGHT POLE — ULP
- GUY POLE — GP
- METER POLE — MP
- GUY WIRE
- ELECTRIC TRANSFORMER
- ELECTRIC HAND–HOLE — HH
- UNDERGROUND GAS LINE MARKER — UGG
- TRAFFIC SIGN — TS
- TRAFFIC SIGNAL UTILITY BOX — TSB
- TRAFFIC SIGNAL POLE — TSP
- CONCRETE
- CONCRETE CURB INLETS
- CONCRETE CURB INLETS
- CONCRETE MITERED END SECTION
- CONCRETE FLARED END SECTION
- GRATE INLET
- STORM SEWER CLEANOUT, PIPE & MANHOLE — DCO
- CONTOUR LINE — 7
- BEARING/DISTANCE PER RECORDED PLAT — (P)
- BEARING/DISTANCE PER DEED DESCRIPTION — (D)
- BEARING/DISTANCE PER FIELD MEASUREMENT — (M)
- BEARING/DISTANCE PER CALCULATION — (C)

- TYPICAL ROADWAY SPOT ELEVATIONS (IF SHOWN) — TOP OF CURB 8.22; FLOWLINE OF CURB 7.90; EDGE OF PAVEMENT 7.91; TOP OF CURB 8.22; EDGE OF PAVEMENT 7.90; EDGE OF PAVEMENT 7.90
- TYPICAL GROUND SPOT ELEVATIONS (IF SHOWN) — GROUND ELEVATIONS 6.3, 6.3
- OVERHEAD LINES — O.H.L.
- SANITARY SEWER PIPE, MANHOLE, CLEANOUT, VALVE & PAINT MARK IDENTIFYING PROBABLE LOCATION OF PIPE — SCO, SV, E.P.M.
- TELEPHONE UTILITY MANHOLE, TELEPHONE UTILITY CABLE & PAINT MARK IDENTIFYING PROBABLE LOCATION OF UTILITY — T, E.P.M.
- GAS LINE WITH GAS VALVE, GAS METER & PAINT MARK IDENTIFYING PROBABLE LOCATION OF UTILITY — GV, G, GM, E.P.M.
- WATER LINE WITH WATER VALVE, WATER METER & PAINT MARK IDENTIFYING PROBABLE LOCATION OF UTILITY — WV, W, WM, E.P.M.
- ELECTRIC UTILITY LINE WITH ELECTRIC UTILITY MANHOLE & PAINT MARK IDENTIFYING PROBABLE LOCATION OF UTILITY — E, E.P.M.
- 6' CHAIN LINK FENCE UNLESS OTHERWISE NOTED
- MAIL BOX — MB
- FOUND IRON ROD (SIZE AND TYPE AS INDICATED) — F.I.R.
- FOUND IRON PIPE (SIZE AND TYPE AS INDICATED) — F.I.P.
- SET 1/2" IRON ROD & CAP L.B.#2610 — S.I.R.
- FOUND CONCRETE MONUMENT (SIZE AND TYPE AS INDICATED) — F.C.M.
- SET 4"X4" CONCRETE MONUMENT "PRM LB#2610" — S.C.M.

PROPOSED LEGEND

- SPOT ELEVATIONS — ×27.5
- SWALE
- DIRECTION OF FLOW
- TOP OF BANK
- STORM SEWER — XXX LF OF XX" RCP; X.XX%
- STORM SEWER INLET
- FLARED/MITERED END SECTION
- SANITARY SEWER — XXX LF OF XX" PVC; X.XX%
- SANITARY SEWER SERVICE
- WATER MAIN — XXX LF OF XX" WM
- REDUCER
- GATE VALVE
- WATER MAIN SERVICE — (DOUBLE) (SINGLE)
- CONSTRUCTION BLOW–OFF
- FIRE HYDRANT ASSEMBLY
- FORCEMAIN
- RECLAIMED WATER MAIN — RCW
- RECLAIMED WATER SERVICE — (DOUBLE) (SINGLE) RCW
- OVERHEAD UTILITY — OHW
- FIBER OPTIC — BFO
- RAW WATER MAIN — RWM
- GAS LINE — GAS
- CABLE TV — CTV
- ELECTRIC LINE — ELC
- PHONE LINE — TEL
- PROPERTY LINE
- EXTERIOR BUILDING WALL
- CONTOUR LINE (MAJOR) — 10
- CONTOUR LINE (MINOR) — 1
- WETLAND LINE
- SETBACK LINE
- BUFFER LINE
- EASEMENT LINE
- CENTERLINE
- RIGHT OF WAY LINE
- PHASE LINE
- TREE BARRICADE
- SILT FENCE
- DOUBLE SILT FENCE
- FLOATING TURBIDITY BARRIER
- FEMA FLOOD ZONE LINE (SEPT. 30, 1992)
- FEMA CONTOUR (SEPT. 30, 1992)
- FENCE LINE
- GRADE BREAK

- PROPOSED CAR COUNT — #
- EXISTING TREE TO BE REMOVED
- DIRECTION OF SLOPE
- UTILITY CAP
- SIGN
- WHEELSTOP
- HANDICAP SPACE
- BARRICADE
- TEMPORARY BARRICADE
- AIR RELEASE VALVE — A
- BLOW–OFF ASSEMBLY — B
- CHLORINE INJECTION POINT — CL
- SAMPLE POINT — SP
- WELL LOCATION — W
- BORING ELEVATION / BORING NUMBER — 27.83 / BH06
- WETLAND SHW/NP LOCATION — G14 SHW 69.28 NP 68.92
- DRI TEST LOCATION — D
- SECTION NAME — A
- SECTION LOCATED ON SHEET NO. — 50
- SECTION NAME — SECTION A
- SCALE
- SECTION TAKEN ON SHEET NO. — 28

HATCH DESCRIPTION

- SWFWMD JURISDICTIONAL WETLAND
- POND LIMITS
- ASPHALT LIMITS

LEGAL DESCRIPTION

A PARCEL OF LAND LYING AND BEING IN SECTION 30, TOWNSHIP 26 SOUTH, RANGE 20 EAST, PASCO COUNTY, FLORIDA, AND ALSO BEING A PORTION OF GOVERNMENT LOTS 2, 3 AND 4, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF THE SOUTHWEST 1/4 OF SECTION 30, TOWNSHIP 26 SOUTH, RANGE 20 EAST, PASCO COUNTY, FLORIDA; THENCE SOUTH 89°55'51" EAST, ALONG THE NORTH LINE OF SAID SOUTHWEST 1/4, A DISTANCE OF 110.27 FEET TO A POINT ON THE EAST RIGHT–OF–WAY OF BRUCE B. DOWNS BOULEVARD (STATE ROAD 581), SAME BEING THE POINT OF BEGINNING; THENCE NORTH 00°29'34" EAST, ALONG SAID EAST RIGHT–OF–WAY, A DISTANCE OF 148.76 FEET; THENCE THE FOLLOWING TEN (10) COURSES ALONG SOUTHERLY AND WESTERLY LINES OF LEGACY BOULEVARD; (1) SOUTH 89°30'26" EAST, A DISTANCE OF 448.81 FEET TO A POINT ON A CURVE TO THE RIGHT; (2) SOUTHEASTERLY 591.49 FEET ALONG THE ARC OF SAID CURVE, HAVING A RADIUS OF 589.00 FEET, A CENTRAL ANGLE OF 57°32'16", AND A CHORD BEARING AND DISTANCE OF SOUTH 60°44'18" EAST 566.95 FEET; (3) SOUTH 31°58'10" EAST, A DISTANCE OF 208.45 FEET TO THE POINT ON A NON–TANGENT CURVE TO THE RIGHT; (4) SOUTHERLY 242.29 FEET ALONG THE ARC OF SAID CURVE, HAVING A RADIUS OF 262.87 FEET, A CENTRAL ANGLE OF 52°48'43", AND A CHORD BEARING AND DISTANCE OF SOUTH 11°37'47" WEST 233.81 FEET; (5) SOUTH 40°42'38" WEST, A DISTANCE OF 82.70 FEET TO A POINT ON A CURVE TO THE LEFT; (6) SOUTHWESTERLY 56.23 FEET ALONG THE ARC OF SAID CURVE, HAVING A RADIUS OF 348.00 FEET, A CENTRAL ANGLE OF 09°15'28", AND A CHORD BEARING AND DISTANCE OF SOUTH 36°04'54" WEST 56.17 FEET; (7) SOUTH 21°42'28" WEST, A DISTANCE OF 62.72 FEET TO THE POINT ON A NON–TANGENT CURVE TO THE LEFT; (8) SOUTHERLY 210.57 FEET ALONG THE ARC OF SAID CURVE, HAVING A RADIUS OF 343.91 FEET, A CENTRAL ANGLE OF 35°04'53", AND A CHORD BEARING AND DISTANCE OF SOUTH 03°28'56" WEST 207.30 FEET; (9) SOUTH 17°01'38" EAST, A DISTANCE OF 90.16 FEET; (10) SOUTH 18°27'19" EAST, A DISTANCE OF 129.88 FEET TO THE NORTH LINE OF THE SHOPS AT WIREGRASS, AS RECORDED IN PLAT BOOK 67, PAGE 42 OF THE PUBLIC RECORDS OF PASCO COUNTY, FLORIDA; THENCE THE FOLLOWING EIGHT (8) COURSES ALONG SAID NORTH LINE: (1) SOUTH 61°57'11" WEST, A DISTANCE OF 4.47 FEET; (2) SOUTH 56°28'07" WEST, A DISTANCE OF 87.30 FEET; (3) SOUTH 44°47'06" WEST, A DISTANCE OF 61.21 FEET; (4) SOUTH 62°14'03" WEST, A DISTANCE OF 43.47 FEET; (5) SOUTH 84°26'10" WEST, A DISTANCE OF 210.00 FEET; (6) SOUTH 59°10'51" WEST, A DISTANCE OF 535.00 FEET; (7) NORTH 50°28'38" WEST, A DISTANCE OF 75.00 FEET; (8) SOUTH 72°15'04" WEST, A DISTANCE OF 85.00 FEET TO SAID EAST RIGHT–OF–WAY OF BRUCE B. DOWNS BOULEVARD (STATE ROAD 581); THENCE NORTH 00°29'34" EAST, ALONG SAID EAST RIGHT–OF–WAY, A DISTANCE OF 1,507.45 FEET TO THE POINT OF BEGINNING.

CONTAINING 31.856 ACRES.

FEMA FLOOD ZONE LEGEND

ZONE	DESCRIPTION
ZONE A	NO BASE FLOOD ELEVATIONS DETERMINED
ZONE AE	BASE FLOOD ELEVATIONS DETERMINED
ZONE X	AREAS DETERMINED TO BE OUTSIDE 500–YEAR FLOOD PLAIN
ZONE X_1	AREAS OF 500–YEAR FLOOD PLAIN

TREE LEGEND

- 12" = 12" UNKNOWN TYPE TREE
- 12" = 12" LIVE OAK TREE
- 12" = 12" PALM TREE
- 12" = 12" PINE TREE
- 12", 13", 5" = TREE HAVING ONE TRUNK AT BREAST HEIGHT, 12" IN DIAMETER
- = TREE HAVING MULTIPLE TRUNKS AT BREAST HEIGHT 12", 13" AND 5" IN DIAMETER
- 12" = TREE TO BE PROTECTED
- 12" = TREE TO BE REMOVED

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Q:\CIVIL\4463\014\000\CAD\CDS\NTS-LEG.dwg , October 16, 2013 9:19 AM, King Engineering Associate Inc.

DESIGNED	NLL
DRAWN	GGL
CHECKED	XXX
Q.C.	XXX

THE SIGNATURE OF THE QUALITY CONTROL OFFICER IN THIS SPACE INDICATES THAT ALL REQUIRED PERMITS HAVE BEEN OBTAINED AND THAT CONSTRUCTION IS AUTHORIZED TO COMMENCE.

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WIREGRASS PARCEL M11
FOR
LOCUST BRANCH, LLC
P.O. BOX 290069
TAMPA, FLORIDA 33687

NOTES AND LEGENDS

NO.	DATE	DESCRIPTION	APP'D BY

JOB NO.	4463-014-000
DATE:	08/26/2013
SCALE:	AS SHOWN
SHEET NO.	C1.03

PASCO COUNTY SUBMITTAL
October 16, 2013

SITE DESCRIPTION

PROJECT NAME: WIREGRASS PARCEL M11

LAT. = 28° 11' 27" N
LONG. = 82° 20' 57" W

OWNER'S NAME: WIREGRASS RANCH, INC.

OWNER'S ADDRESS: P.O. BOX 40
SAN ANTONIO, FLORIDA 33576

DESCRIPTION OF NATURE OF CONSTRUCTION ACTIVITY

CONSTRUCTION OF A ROADWAY EXTENSION FOR FUTURE DEVELOPMENT. COMPONENTS INCLUDE INTERNAL ROADWAYS, STORM WATER POND REVISION & ACCESS ROADWAY.

SOIL DISTURBING ACTIVITIES INCLUDE:
INSTALLING STABILIZED CONSTRUCTION ENTRANCES, CONSTRUCTION OF EROSION AND SEDIMENT CONTROLS, CLEARING AND GRUBBING, INSTALLATION OF TURN LANE ON BRUCE B. DOWNS BLVD., GRADING,

AREA: 31.856 ACRES.

SEQUENCE OF MAJOR ACTIVITIES:
1. PRIOR TO COMMENCEMENT OF CLEARING OPERATIONS NEAR WETLANDS, THE SITE CONTRACTOR SHALL INSTALL ALL EROSION PROTECTION DEVICES THAT ARE CALLED FOR ON THE PLANS FOR WETLANDS THAT MAY BE IMPACTED BY THE PROPOSED ACTIVITY. THIS INCLUDES BOTH SILT FENCE AND STACKED HAY BALES.
2. PRIOR TO COMMENCEMENT OF CLEARING FOR THE CONSTRUCTION OF EACH POND, SITE CONTRACTOR SHALL INSTALL ALL EROSION CONTROL DEVICES CALLED FOR ON PLANS AROUND THE POND AND AT THE POND OUTFALL.
3. AFTER INSTALLATION OF THE EROSION CONTROL DEVICES, THE SITE CONTRACTOR MAY BEGIN CLEARING OF THE POND AREA. WHERE POND BERMS ARE CALLED FOR ON PLANS, THE SITE CONTRACTOR SHALL COMPLETE THE BERM, INCLUDING STABILIZATION, IMMEDIATELY FOLLOWING POND CLEARING ACTIVITIES.
4. UPON COMPLETION OF THE POND BERM, THE SITE CONTRACTOR SHALL INSTALL THE POND OUTFALL, WITH TEMPORARY EROSION CONTROL DEVICES. THE SITE CONTRACTOR MAY ELECT TO INSTALL THE PERMANENT CONTROL STRUCTURE OR PROVIDE A TEMPORARY STRUCTURE DEPENDING ON THE BERM ELEVATION AND PERMANENT CONTROL STRUCTURE ELEVATION. THE PONDS ARE TO SERVE AS SEDIMENT SUMP AREAS DURING CONSTRUCTION.
5. UPON COMPLETION OF THE POND OUTFALL, THE SITE CONTRACTOR MAY BEGIN SITE CLEARING, EARTHWORK, DRAINAGE, UTILITY AND ROADWAY CONSTRUCTION ACTIVITIES WITHIN THE CONTRIBUTING BASIN. THE SITE CONTRACTOR SHALL STABILIZE ALL AREAS DISTURBED WITHIN FIVE DAYS OF THE COMPLETION OF GRADING ACTIVITIES OF THE DISTURBED AREA.
6. THE SITE CONTRACTOR SHALL REMOVE ALL EROSION PROTECTION DEVICES WITHIN EACH CONTRIBUTING AREA FOLLOWING PERMANENT STABILIZATION OF ALL DISTURBED AREAS.

NAME OF RECEIVING WATERS: TROUT CREEK WATERSHED

CONTROLS

EROSION AND SEDIMENT CONTROLS

STABILIZATION PRACTICES

WIND EROSION STABILIZATION: THE CONTRACTOR SHALL DENUDE ONLY AREAS WHERE IT IS EXPECTED TO BE GRADED OR ALTERED WITHIN A TWO (2) WEEK TIME-FRAME. FINAL GRADES SHALL BE PERFORMED AND TEMPORARY OR PERMANENT SOIL STABILIZATION SHALL BE APPLIED. AREAS WHERE CONSTRUCTION OPERATIONS WILL BE CONTINUOUS, FUGITIVE DUST SHALL BE MANAGED BY APPLYING A WATER SPRAY TO SATURATE THE SURFACE SOILS ON A DAILY BASIS, OR AS NEEDED TO MAINTAIN MINIMAL DUST TRANSPORT. FUGITIVE DUST SHALL BE MONITORED CONTINUOUSLY AND ADDITIONAL MEASURES MAY NEED TO BE TAKEN TO CONTROL OFF-SITE TRANSPORT OF UNACCEPTABLE LEVELS OF DUST.

TEMPORARY STABILIZATION: TOP OF SOIL STOCK PILES AND DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR AT LEAST 21 DAYS WILL BE STABILIZED WITH TEMPORARY GRASS AND MULCH NO LATER THAN 5 DAYS FROM THE LAST CONSTRUCTION ACTIVITY. GRASS SEED SHALL BE A MIXTURE OF 20 PARTS OF BERMUDA SEED AND 80 PARTS OF PENSACOLA BAHIA. THE SEPARATE TYPES OF SEED USED SHALL BE THOROUGHLY DRY MIXED IMMEDIATELY BEFORE SOWING. SEED WHICH HAS BECOME WET SHALL NOT BE USED. THE MULCH MATERIAL USED SHALL NORMALLY BE DRY MULCH. DRY MULCH SHALL BE STRAW OR HAY, CONSISTING OF OAT, RYE OR WHEAT STRAW, OR OF PANGOLA, PEANUT, COASTAL BERMUDA OR BAHIA GRASS HAY. ONLY UNDETERIORATED MULCH WHICH CAN BE READILY CUT INTO THE SOIL SHALL BE USED. AREAS OF THE SITE WHICH ARE TO BE PAVED WILL BE TEMPORARILY STABILIZED BY APPLYING STABILIZATION AND BASE.

PERMANENT STABILIZATION: DISTURBED PORTIONS OF THE SITE, WHEN CONSTRUCTION ACTIVITIES PERMANENTLY CEASE, SHALL BE STABILIZED WITH SOD NO LATER THAN 5 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY.

STRUCTURAL PRACTICES

STAKED SILT FENCES: THE STAKED SILT FENCES WILL BE CONSTRUCTED ALONG THE PERIMETER AS PREVIOUSLY EXPLAINED. THESE DEVICES WILL STOP AND DIVERT RUNOFF TO THE SEDIMENT BASINS.

SEDIMENT BASINS: THE STORM WATER MANAGEMENT AREAS WILL ACT AS SEDIMENT BASINS DURING CONSTRUCTION. THE SEDIMENT BASINS WILL BE CONSTRUCTED TO THE DESIGN CROSS-SECTION, OR A MINIMUM OF 2' BELOW EXISTING GROUND AT THE CONTRACTORS DISCRETION TO ALLOW SILTS TO BE COLLECTED AND REMOVED PRIOR TO COMPLETION OF THE GRADING.

STORM WATER MANAGEMENT

STORM WATER DRAINAGE WILL BE PROVIDED BY A CURB, SWALE, STORM SEWER, AND CATCH BASIN SYSTEM FOR THE DEVELOPED AREAS. SWALES TO BE SODDED AND INCLUDE CHECK DAMS AND RIPRAP TO CONTROL RUNOFF VELOCITY AND TRANSPORT OF SEDIMENT. WHEN CONSTRUCTION IS COMPLETE THE IMPROVED PORTION OF THE SITE WILL DRAIN TO STORM WATER PONDS. THE PONDS WILL BE IN THE LOCATION OF THE TEMPORARY SEDIMENT BASINS. WHEN UPSLOPE AREAS ARE STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE SEDIMENT BASINS. THE PONDS HAVE BEEN DESIGNED BY A PROFESSIONAL ENGINEER TO LIMIT PEAK FLOW RATES FROM THE DESIGN STORM EVENT AT OR BELOW PRE-DEVELOPMENT RATES, AND CONSTRUCTION PER DETAILS SHOWN IN THE PLANS IS IMPERATIVE.

OTHER CONTROLS

WASTE DISPOSAL

WASTE MATERIALS: ALL WASTE MATERIAL WILL BE COLLECTED AND STORED IN DUMPSTERS PER PASCO COUNTY SOLID WASTE REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTERS. THE DUMPSTERS WILL BE EMPTIED A MINIMUM OF ONCE A WEEK OR MORE OFTEN IF NECESSARY, AND THE TRASH WILL BE HAULED TO A REGISTERED LANDFILL FOR DISPOSAL. NO CONSTRUCTION MATERIALS WILL BE BURIED ON-SITE. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED IN THE ON-SITE OFFICE TRAILER AND THE CONSTRUCTION MANGER RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

HAZARDOUS WASTE: ALL HAZARDOUS WASTE MATERIALS, IF ENCOUNTERED, WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATIONS. THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

SANITARY WASTE: ALL SANITARY WASTE WILL BE COLLECTED FROM PORTABLE UNITS A MINIMUM OF THREE TIMES PER WEEK BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR, AS REQUIRED BY LOCAL REGULATION.

OFFSITE VEHICLE TRACKING

STABILIZED CONSTRUCTION ENTRANCES SHALL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREETS WILL BE CLEANED AS NEEDED TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM OR TO THE SITE WILL BE COVERED WITH A TARPAULIN AT ALL TIMES.

TIMING OF CONTROL MEASURES

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, STAKED SILT BARRIERS, STABILIZED CONSTRUCTION ENTRANCES AND SEDIMENT BASINS WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 21 DAYS WILL BE STABILIZED WITH A TEMPORARY GRASS AND MULCH WITHIN 5 DAYS OF THE LAST DISTURBANCE. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN THAT AREA, THAT AREA WILL BE STABILIZED WITH PERMANENT SOD. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE TRAPS AND THE STAKED SILT BARRIERS WILL BE REMOVED.

CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS

THE STORM WATER POLLUTION PREVENTION PLAN REFLECTS THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT'S (SWFWMD) REQUIREMENTS FOR STORM WATER MANAGEMENT AND EROSION AND SEDIMENT CONTROL, AS ESTABLISHED BY THE FLORIDA ADMINISTRATIVE CODE, CHAPTER 40D-4 AND 40D-40. TO ENSURE COMPLIANCE, THIS PLAN WAS PREPARED IN ACCORDANCE WITH SWFWMD'S "BASIS OF REVIEW FOR SURFACE WATER MANAGEMENT PERMIT APPLICATIONS WITHIN THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT." THIS PLAN ALSO REFLECTS THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION FOR WORK IN BRANCH 6.

MAINTENANCE INSPECTION PROCEDURES

EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES

THESE ARE THE INSPECTION AND MAINTENANCE PRACTICES THAT SHALL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROL.

ALL CONTROL MEASURES IN DISTURBED AREAS WILL BE INSPECTED AT LEAST ONCE EACH WEEK AND WITHIN 24 HOURS OF THE END OF ANY STORM EVENT OF 0.25 INCHES OR GREATER BY A CONTRACTORS REPRESENTATIVE. (WHERE SITES HAVE BEEN FINALLY STABILIZED SUCH INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH.) ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT. BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE. SILT FENCE WILL BE INSPECTED REGULARLY 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 BASINS WILL BE INSPECTED FOR DEPTH OF SEDIMENT, AND BUILT UP SEDIMENT WILL BE REMOVED WHEN IT REACHES 10 PERCENT OF THE DESIGN CAPACITY OR AT THE END OF THE JOB. TEMPORARY AND PERMANENT GRASSING, MULCHING AND SODDING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH. A MAINTENANCE INSPECTION REPORT SHALL BE MADE AFTER EACH INSPECTION BY THE CONTRACTOR AND SHALL BE KEPT IN AN ACTIVE LOG READILY AVAILABLE AT THE JOB SITE CONSTRUCTION TRAILER. THE SITE SUPERINTENDENT WILL SELECT INDIVIDUALS WHO WILL BE RESPONSIBLE FOR MAINTENANCE AND REPAIR ACTIVITIES. FILLING OUT THE INSPECTION AND MAINTENANCE REPORT WILL BE BY THE CONTRACTOR. PERSONNEL SELECTED FOR ANY MAINTENANCE RESPONSIBILITIES WILL RECEIVE TRAINING FROM THE SITE SUPERINTENDENT. THEY WILL BE TRAINED IN ALL MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ON-SITE IN GOOD WORKING ORDER.

NON-STORM WATER DISCHARGES

IT IS EXPECTED THAT THE FOLLOWING NON-STORM WATER DISCHARGES WILL OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD:

WATER FROM FIRE FIGHTING ACTIVITIES, FIRE HYDRANT FLUSHING, WATER LINE FLUSHING, WATER USED TO SPRAY OFF LOOSE SOILS FROM VEHICLES, DUST CONTROL, PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED). ALL NON-STORM WATER DISCHARGES WILL BE DIRECTED TO THE SEDIMENT BASIN PRIOR TO DISCHARGE.

GROUNDWATER DEWATERING ACTIVITIES ARE NOT COVERED BY THIS PERMIT. THE CONTRACTOR MUST APPLY FOR COVERAGE UNDER THE GENERIC PERMIT FOR THE DISCHARGE OF PRODUCED GROUNDWATER FROM ANY NON-CONTAMINATED SITE ACTIVITY PURSUANT TO 62-621.300 (2), F.A.C.

INVENTORY FOR POLLUTION PREVENTION PLAN

THE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED, BUT NOT LIMITED, TO BE PRESENT ON-SITE DURING CONSTRUCTION:

CONCRETE	FERTILIZERS
DETERGENTS	PETROLEUM BASED PRODUCTS AND FUELS
PAINTS (ENAMEL AND LATEX)	CLEANING SOLVENTS
METAL STUDS	WOOD
GLASS	MASONRY BLOCK
TAR	ROOFING SHINGLES
SAND	STONE

SPILL PREVENTION

MATERIAL MANAGEMENT PRACTICES

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

GOOD HOUSEKEEPING:

THE FOLLOWING GOOD HOUSEKEEPING PRACTICES SHALL BE FOLLOWED ON-SITE DURING THE CONSTRUCTION PROJECT.

AN EFFORT SHALL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER CONTAINED ENCLOSURE. PRODUCTS SHALL BE KEPT IN THEIR ORIGINAL MANUFACTURER'S LABELED CONTAINERS. SUBSTANCES SHALL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER. WHENEVER POSSIBLE, ALL OF A PRODUCT SHALL BE USED UP BEFORE DISPOSING OF THE CONTAINER. MANUFACTURERS' RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHALL BE FOLLOWED. THE SITE SUPERINTENDENT SHALL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ON-SITE.

HAZARDOUS PRODUCTS:

THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.

PRODUCTS SHALL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE. ORIGINAL LABELS AND MATERIAL SAFETY DATA SHALL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION. IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURERS' OR LOCAL AND STATE RECOMMENDED METHODS OF PROPER DISPOSAL SHALL BE FOLLOWED.

THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ON-SITE:

PETROLEUM PRODUCTS:

ALL ON-SITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ON-SITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

FERTILIZERS:

FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

PAINTS:

ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

CONCRETE TRUCKS:

CONTRACTOR SHALL DESIGNATE AN AREA FOR DISCHARGE OF SURPLUS CONCRETE OR DRUM WASH WATER AND SHALL INSTALL A CONTAINMENT BERM AROUND THIS AREA TO PREVENT RUNOFF TO THE REMAINDER OF THE SITE. HARD DEBRIS SHALL BE DISPOSED OF BY CONTRACTOR UPON COMPLETION OF THE PROJECT.

SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES SHALL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.

MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ON-SITE. EQUIPMENT AND MATERIALS WILL INCLUDE, BUT NOT BE LIMITED TO, BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.

ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.

THE SPILL AREAS WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.

SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE.

THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.

THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE WILL DESIGNATE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ON-SITE.

NOTICE OF TERMINATION

A NOTICE OF TERMINATION WILL BE SUBMITTED TO EPA AFTER THE CONSTRUCTION HAS BEEN COMPLETED AND THE SITE HAS UNDERGONE FINAL STABILIZATION.

POLLUTION PREVENTION PLAN CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT THESE CONSTRUCTION PLANS, THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM, AS SHOWN ON THESE CONSTRUCTION PLANS, DESIGNED TO ASSURE THAT APPROPRIATE POLLUTION PREVENTION MEASURES ARE IMPLEMENTED DURING CONSTRUCTION AND TO ASSURE THAT THE QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

PERMITTEE:

SIGNED: J. Michael Gramling

NAME AND TITLE: J. MICHAEL GRAMLING

COMPANY: LOCUST BRANCH, LLC

ADDRESS: P.O. BOX 290069
TAMPA, FLORIDA 33687

DATE: 7/8/13

CONTRACTOR'S CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERIC STORM WATER PERMIT ISSUED PURSUANT TO SECTION 403.0885, F.S., THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

SIGNATURE	FOR	RESPONSIBLE FOR
NAME: TITLE: DATE:	COMPANY: ADDRESS: PHONE:	GENERAL CONTRACTOR
NAME: TITLE: DATE:	COMPANY: ADDRESS: PHONE:	TEMPORARY AND PERMANENT STABILIZATION
NAME: TITLE: DATE:	COMPANY: ADDRESS: PHONE:	STABILIZED CONSTRUCTION ENTRANCE, EARTH DIKES, SEDIMENT BASIN

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DESIGNED NLL
DRAWN GGL
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Q.C. XXX

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King ENGINEERING ASSOCIATES, INC.
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Tampa, Florida 33634
Phone 813 880-8881
Fax 813 880-8882
www.kingengineering.com
Engineering License #2610

WIREGRASS PARCEL M11
FOR
LOCUST BRANCH, LLC
P.O. BOX 290069
TAMPA, FLORIDA 33687

CONSTRUCTION POLLUTION PREVENTION PLAN

NO.	DATE	DESCRIPTION	APP'D BY

JOB NO. 4463-014-000
DATE: 08/26/2013
SCALE: AS SHOWN
SHEET NO. C1.04

PASCO COUNTY SUBMITTAL
October 16, 2013

SCALE: FEET 0 50 100

SURFACE WATER AREA B29

ZONE "AE"
ZONE "X"

LOT 4

POND C

FEMA LINE (TYP.)

EXISTING 15' PUBLIC EASEMENT

SR 581 (BRUCE B. DOWNS BLVD.)
EXISTING 200' R/W
(DIVIDED HIGHWAY, ASPHALT PAVEMENT, WIDTH VARIES)
55 MPH POSTED SPEED LIMIT

TELEPHONE (TELT BOX)

EX. MH 32 TO REMAIN

SURFACE WATER IMPACT "D-1" (0.06 AC.) (AREA OF FILL)

LIMITS OF CLEARING

EX. MH 31 TO REMAIN

EX. 6" PVC FM (TYP) TO REMAIN

EX. MH 30 TO REMAIN

EXISTING ELECTRICAL (TO REMAIN)

EX. MH 29 TO REMAIN

EX. MH 28 TO REMAIN

SEE DETAIL "A" THIS SHEET

EX. MH 27 TO REMAIN

STA: 13+31.95

EX. 8" PVC WM (TYP) TO REMAIN

EX. 8" SANITARY SEWER (TYP) TO REMAIN

LOT 6

LEGACY BOULEVARD

M11 POND 1
DRY POND

IE=55.70

WETLAND B30-1
CATEGORY I

SURFACE WATER AREA "B30-1" (0.02 AC.)

EX. WETLAND MITIGATION AREA

SEE SHEET C2.02 FOR DEMOLITION AND SITE PREPARATION IN BRUCE B. DOWNS BLVD.

POND D

LOT 5

POND E

FLOATING TURBIDITY BARRIER

H.W.=53.96

NOTE

CONTRACTOR TO TAKE SPECIAL CARE FOR EXISTING UTILITIES THAT ARE TO REMAIN.

FLOATING TURBIDITY BARRIER

GEOWEB (TYP)

LOT LINE (TYP)

WETLAND B30-1
CATEGORY I

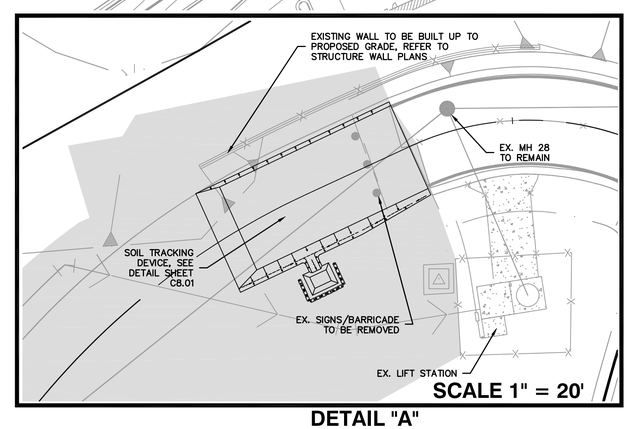
THE SHOPS AT WIREGRASS

EX. FLOODPLAIN COMPENSATION AREA

DOUBLE FLOATING TURBIDITY BARRIER

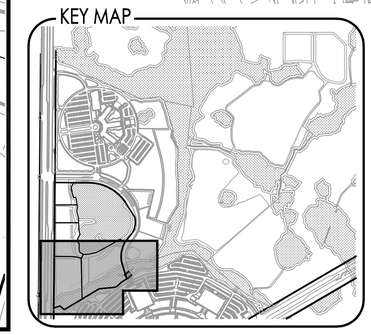
THE SHOPS AT WIREGRASS

DROP BOX CULVERTS



DETAIL "A"

KEY MAP



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Engineering License #2610

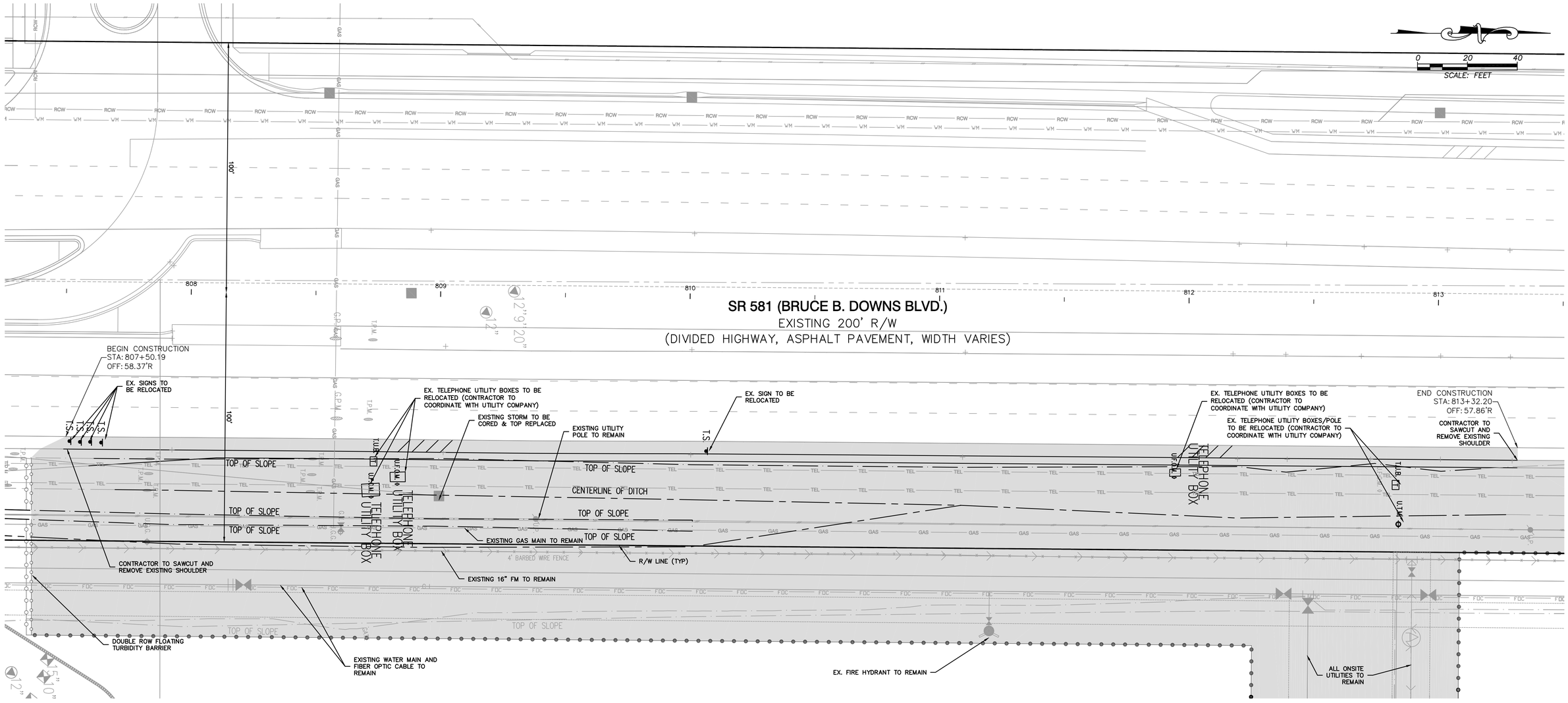
WIREGRASS PARCEL M11
FOR
LOCUST BRANCH, LLC
P.O. BOX 290069
TAMPA, FLORIDA 33687

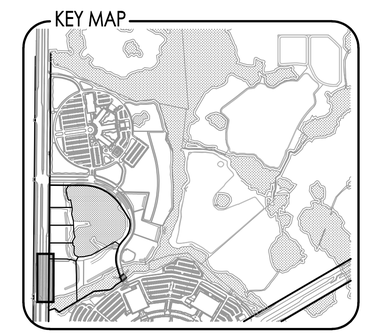
DEMOLITION AND SITE PREPARATION PLAN

NO.	DATE	DESCRIPTION	APP'D BY

JOB NO.	4463-014-000
DATE:	08/26/2013
SCALE:	AS SHOWN
SHEET NO.	C2.01

PASCO COUNTY SUBMITTAL
October 21, 2013





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DRAWN GGL			
CHECKED XXX			
Q.C. XXX			

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FOR
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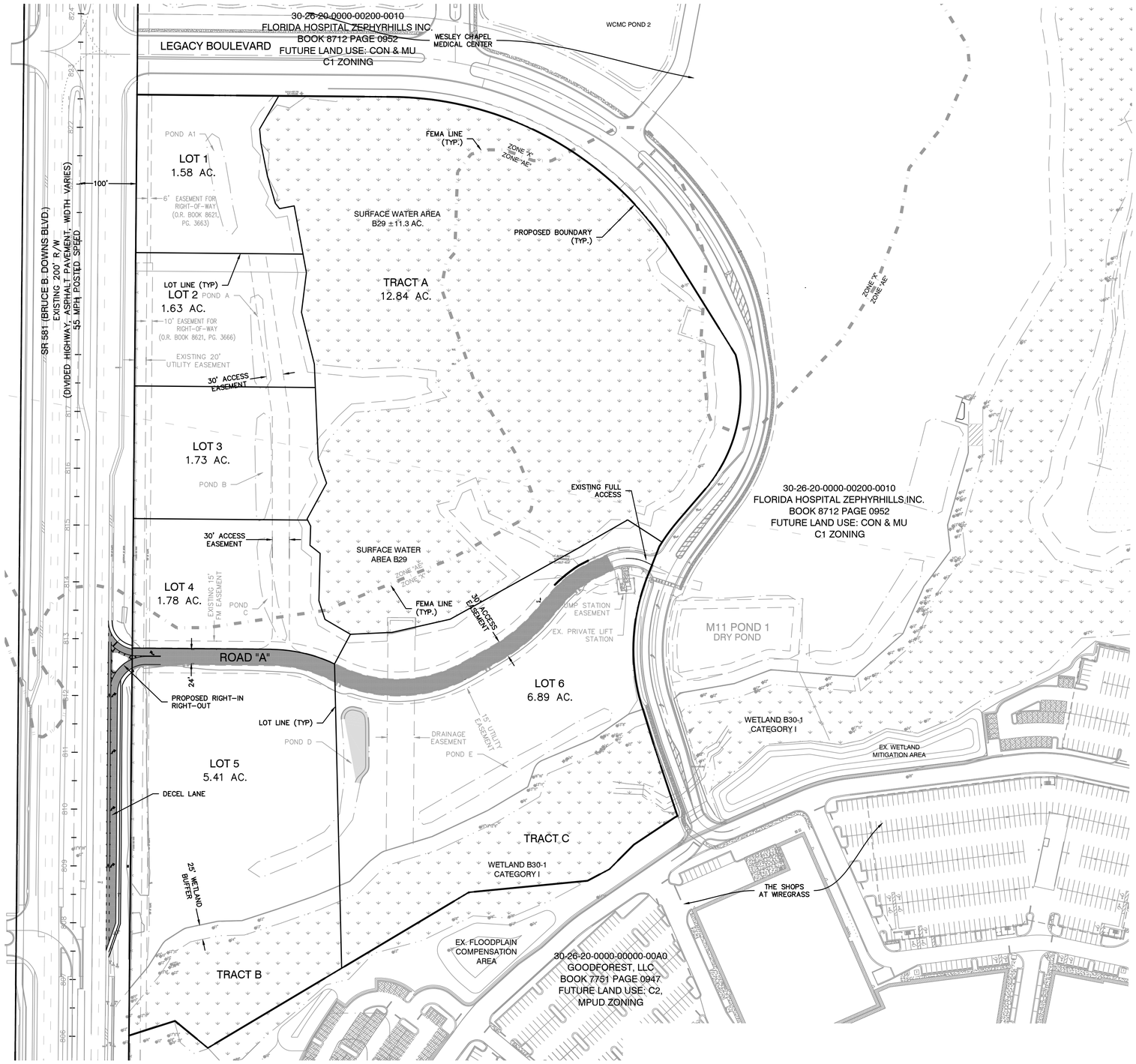
P.O. BOX 290069
TAMPA, FLORIDA 33687

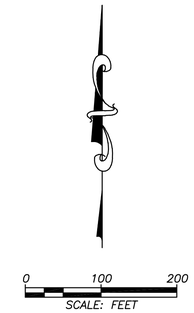
DEMOLITION AND SITE PREPARATION PLAN

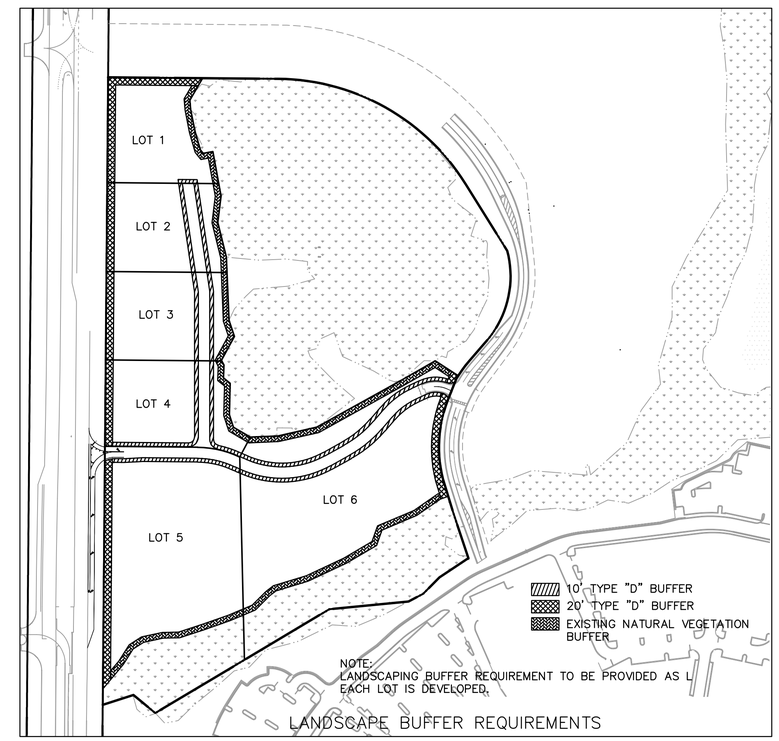
NO.	DATE	DESCRIPTION	APP'D BY

JOB NO. 4463-014-000
DATE: 08/26/2013
SCALE: AS SHOWN
SHEET NO. **C2.02**

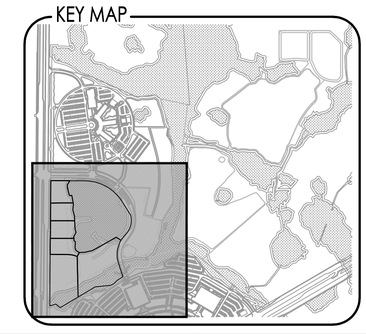
PASCO COUNTY SUBMITTAL
October 21, 2013







KEY MAP



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NO.	DATE	DESCRIPTION	APP'D BY

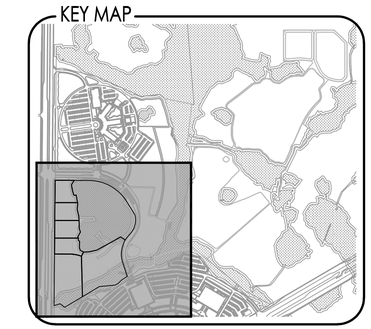
JOB NO. 4463-014-000
DATE: 08/26/2013
SCALE: AS SHOWN
SHEET NO. **C2.50**

PASCO COUNTY SUBMITTAL
October 21, 2013

0 100 200
SCALE: FEET

- EXISTING 6' EASEMENT FOR (W.R.E.C.) R/W (OR BOOK 8621, PAGE 3663)
- EXISTING 10' EASEMENT FOR (W.R.E.C.) R/W (OR BOOK 8621, PAGE 3666)
- EXISTING 20' NON-EXCLUSIVE UTILITY LINE EASEMENT (OR BOOK 7356, PAGE 126)
- EXISTING 20' NON-EXCLUSIVE UTILITY LINE EASEMENT (OR BOOK 7356, PAGE 131)
- EXISTING 15' PERMANENT UTILITY EASEMENT (FORCEMAIN) (OR BOOK 8918, PAGE 3666)
- EXISTING 15' PERMANENT UTILITY EASEMENT (WATER) (OR BOOK 8918, PAGE 3673)
- EXISTING 15' PERMANENT UTILITY EASEMENT (GRAVITY SEWER) (OR BOOK 8918, PAGE 3666)
- EXISTING SANITARY SEWER PUMP STATION EASEMENT (OR BOOK 8768, PAGE 257)
- EXISTING DRAINAGE EASEMENT (OR BOOK 8918, PAGE 3678)
- EXISTING DRAINAGE EASEMENT (OR BOOK 8918, PAGE 3678)
- PROPOSED 30' INGRESS/EGRESS, DRAINAGE AND UTILITY EASEMENT
- PROPOSED TEMPORARY DRAINAGE EASEMENTS
- PROPOSED WALL EASEMENT

KEY MAP



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www.kingengineering.com
Engineering License #2610

WIREGRASS PARCEL M11
FOR
LOCUST BRANCH, LLC
P.O. BOX 290069
TAMPA, FLORIDA 33687

EASEMENT PLAN

NO.	DATE	DESCRIPTION	APP'D BY

JOB NO.	4463-014-000
DATE:	08/26/2013
SCALE:	AS SHOWN
SHEET NO.	C2.51

PASCO COUNTY SUBMITTAL
October 16, 2013

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WIREGRASS PARCEL M11

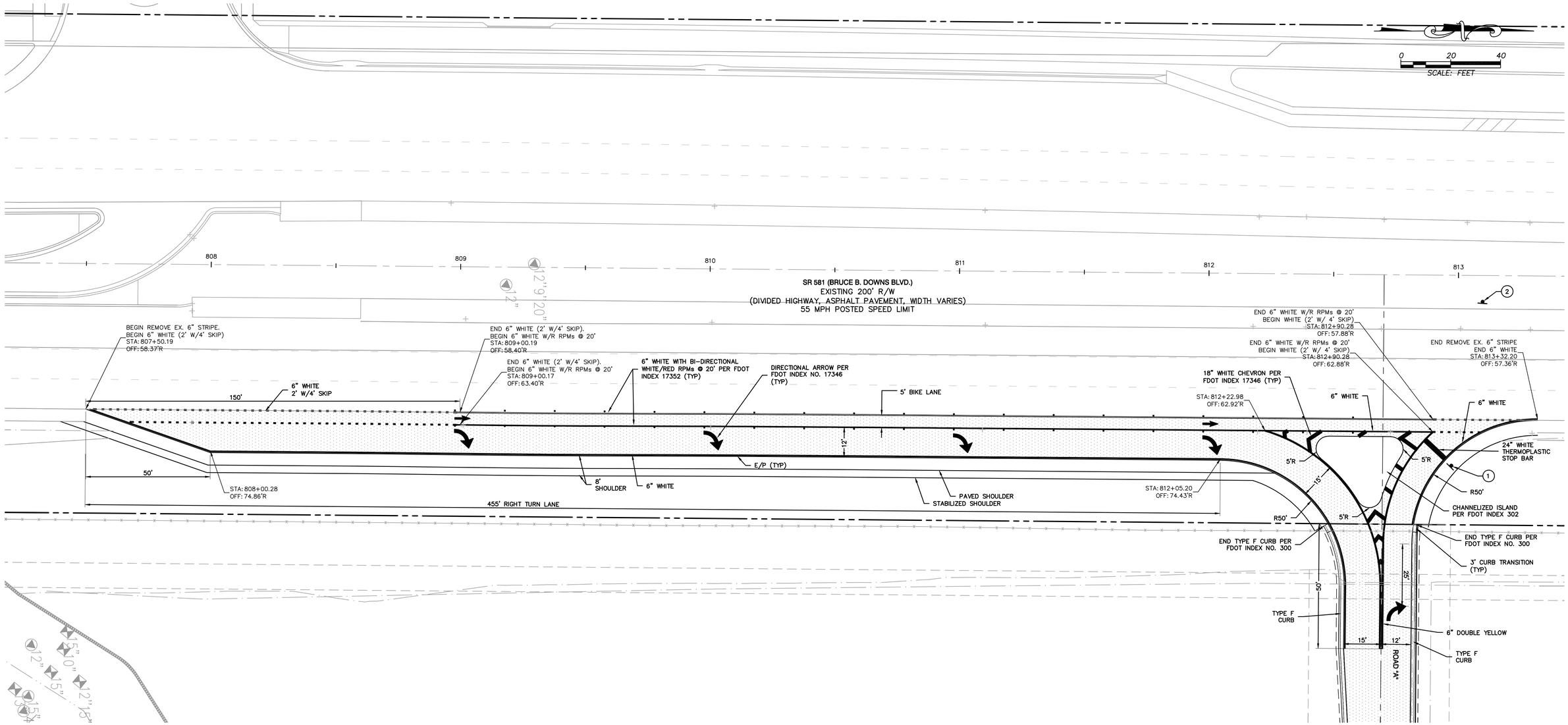
FOR
LOCUST BRANCH, LLC
P.O. BOX 290069
TAMPA, FLORIDA 33687

SIGNING AND PAVEMENT MARKING PLAN

NO.	DATE	DESCRIPTION	APP'D BY

JOB NO.	4463-014-000
DATE:	08/26/2013
SCALE:	AS SHOWN
SHEET NO.	C3.51

PASCO COUNTY SUBMITTAL
October 21, 2013

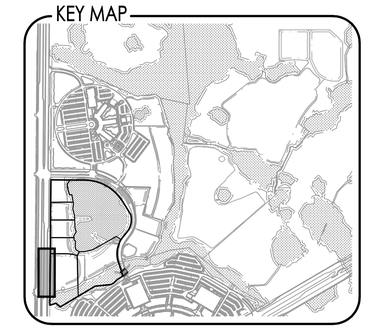


SIGN LEGEND

NO.	SYMBOL	DESCRIPTION	REGULATORY NO.	SIZE	UNIT	TOTAL
1	STOP	STOP	R1-1	36"x36"	EACH	1
2	ONE WAY	ONE WAY	R6-1	36"x12"	EACH	1

PAVEMENT MARKINGS	
24" WHITE STOP BAR	REFER TO PLANS
6" WHITE 2'-4' SKIP	REFER TO PLANS
18" WHITE CHEVRON	REFER TO PLANS
6" SOLID WHITE LINE	REFER TO PLANS
6" SOLID DOUBLE YELLOW LINE	REFER TO PLANS

KEY MAP



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Q.C.	XXX

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WIREGRASS PARCEL M11
FOR
LOCUST BRANCH, LLC
P.O. BOX 290069
TAMPA, FLORIDA 33687

SIGNING AND PAVEMENT MARKING PLAN

NO.	DATE	DESCRIPTION	APP'D BY

JOB NO. 4463-014-000
DATE: 08/26/2013
SCALE: AS SHOWN
SHEET NO. C3.52

PASCO COUNTY SUBMITTAL
October 21, 2013

SCALE: FEET 0 50 100

30' INGRESS/EGRESS ACCESS EASEMENT

POND C
TOB=64.00
BOT=63.00
SHWL=59.50

SURFACE WATER AREA B29

ZONE "AE"
ZONE "X"

LOT 4

D-3

EXISTING 20' UTILITY EASEMENT

EXISTING 15' UTILITY EASEMENT

FEMA LINE (TYP.)

STA: 2+57.87

50'R

50'R

ROAD "A"

MH 32

MH 31

MH 30

MH 29

MH 28

MH 27

STA: 13+31.95

SEE DETAIL "A" THIS SHEET

EX. 6" PVC FM (TYP)

EX. 8" PVC WM (TYP)

EX. 8" SANITARY SEWER (TYP)

STA: 5+61.54

14"x23"

D-4

SURFACE WATER IMPACT "D-1" (0.06 AC.)

POND D EXPANSION

POND D
TOB=62.50
BOT=61.50
SHWL=56.00

DRAINAGE EASEMENT

30' INGRESS/EGRESS EASEMENT

15' UTILITY EASEMENT

LOT 6

SHW 58.4

LEGACY BOULEVARD

M11 POND 1
DRY POND

IE=55.70

WETLAND B30-1
CATEGORY I

SURFACE WATER AREA "B30-1" (0.02 AC.)

EX. WETLAND MITIGATION AREA

SEE SHEET C4.02 & C3.52 FOR IMPROVEMENTS IN BRUCE B. DOWNS BLVD.

SR 581 (BRUCE B. DOWNS BLVD.)
EXISTING 200' R/W
(DIVIDED HIGHWAY, ASPHALT PAVEMENT, WIDTH VARIES)
55 MPH POSTED SPEED LIMIT

455' RIGHT TURN LANE

LOT 5

POND E
TOB=61.00
BOT=60.00
SHWL=54.90

FLOATING TURBIDITY BARRIER

FLOATING TURBIDITY BARRIER

GEOWEB (TYP)

LOT LINE (TYP)

WETLAND B30-1
CATEGORY I

THE SHOPS AT WIREGRASS

EX. FLOODPLAIN COMPENSATION AREA

THE SHOPS AT WIREGRASS

DOUBLE FLOATING TURBIDITY BARRIER

105" W.C.P. CULVERTS

DETAIL "A"

T/W=61.71
B/W=59.2

T/W=61.53
B/W=58.6

T/W=61.80
B/W=61.80

MH 28

KEY MAP

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DRAWN GGL		4921 Memorial Highway One Memorial Center, Suite 300 Tampa, Florida 33634 Phone 813 880-8881 Fax 813 880-8882 www.kingengineering.com Engineering License #2610			DATE: 08/26/2013
CHECKED XXX					SCALE: AS SHOWN
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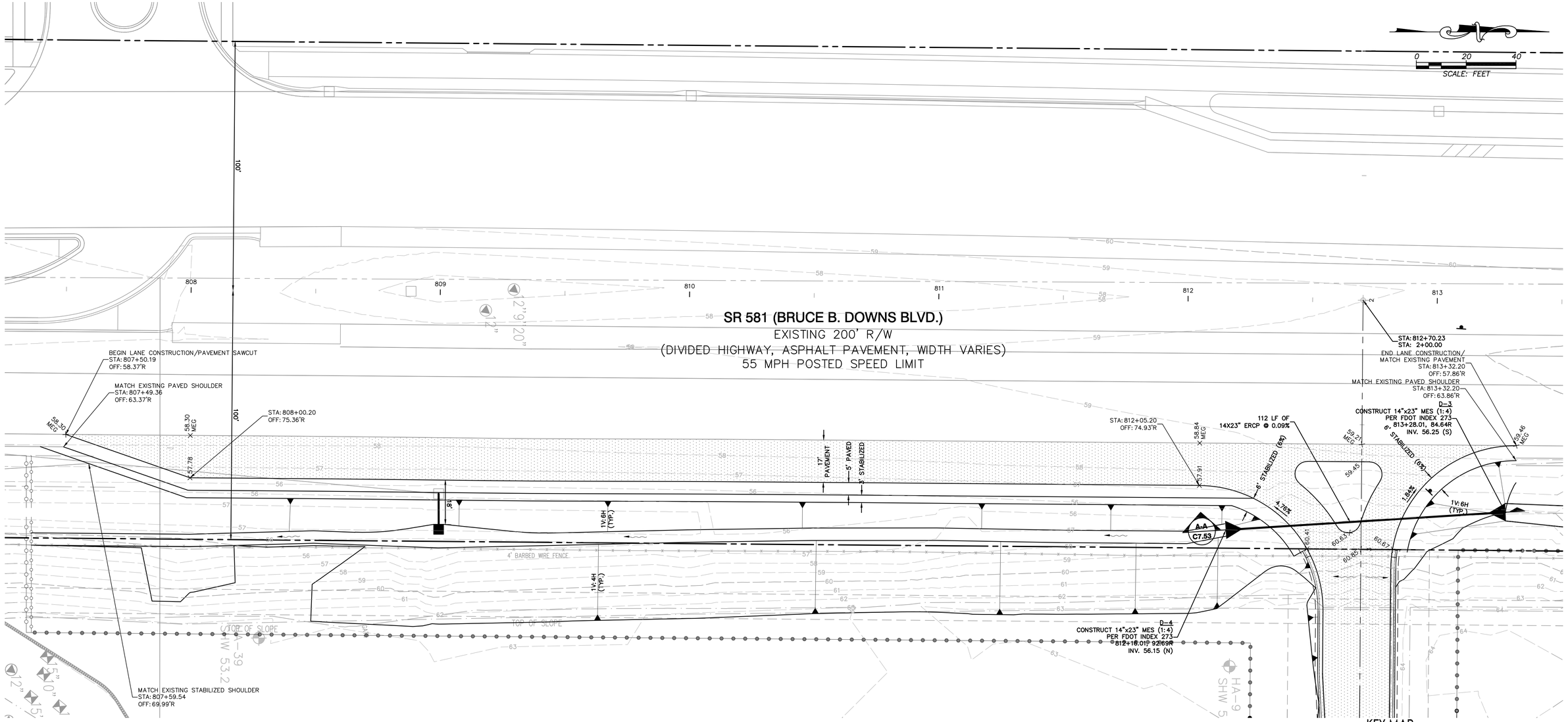
NO.	DATE	DESCRIPTION	APP'D BY

PASCO COUNTY SUBMITTAL
October 21, 2013



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WIREGRASS PARCEL M11
FOR
LOCUST BRANCH, LLC
P.O. BOX 290069
TAMPA, FLORIDA 33687

PAVING, GRADING, DRAINAGE AND UTILITY PLAN

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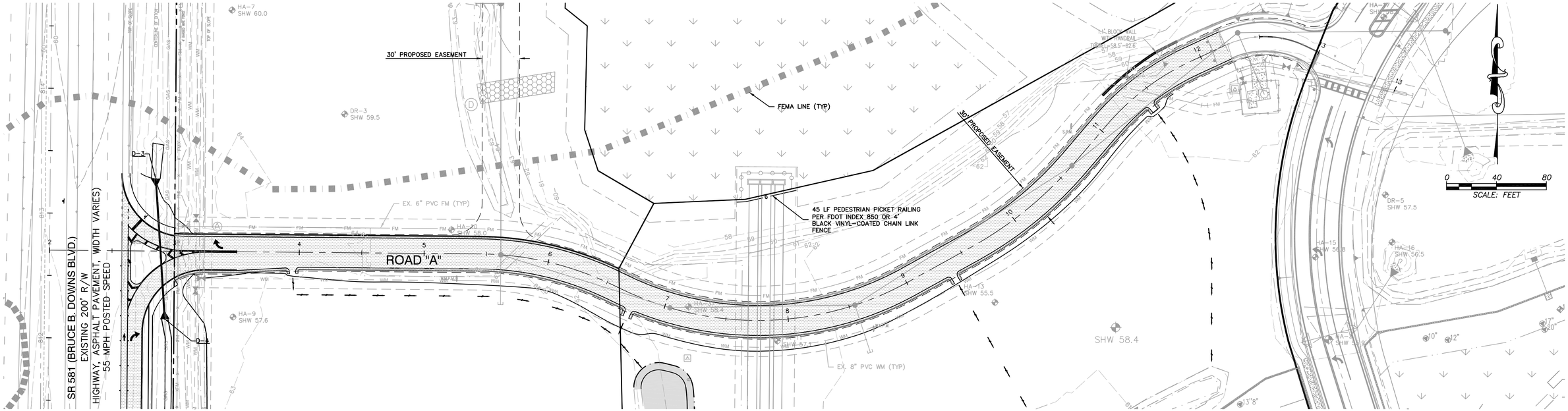
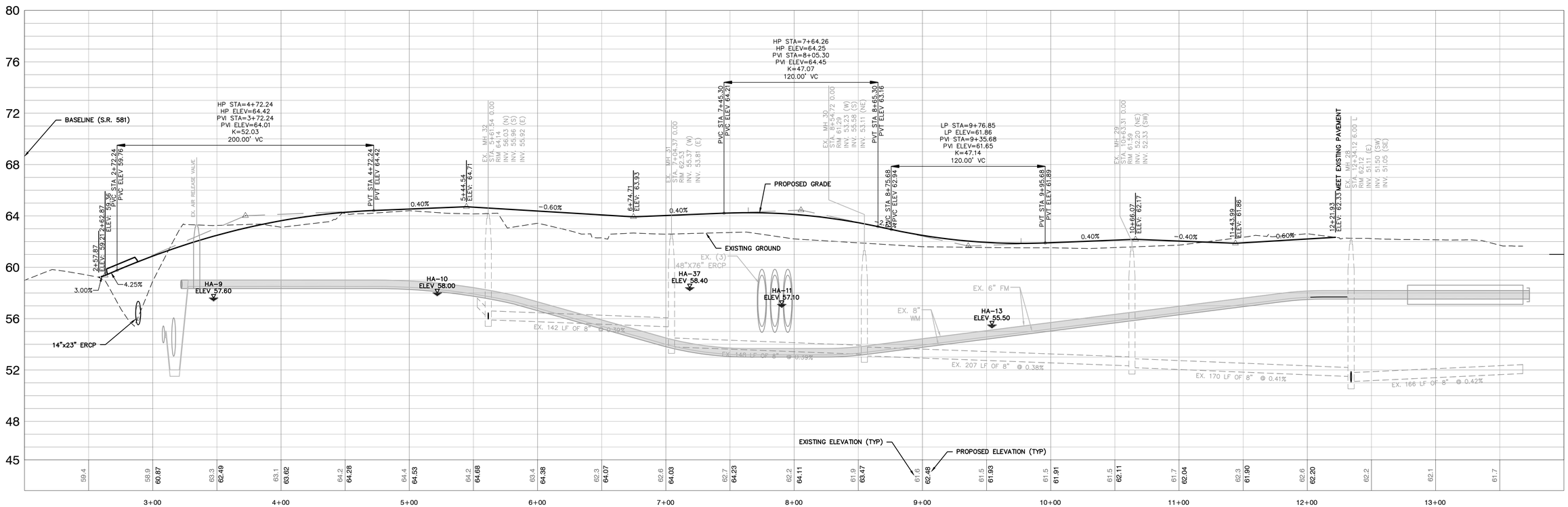
PASCO COUNTY SUBMITTAL
October 21, 2013





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SCALE: 1"=40' HORZ. / 1"=4' VERT.

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WIREGRASS PARCEL M11
FOR
LOCUST BRANCH, LLC
P.O. BOX 290069
TAMPA, FLORIDA 33687

PLAN AND PROFILE

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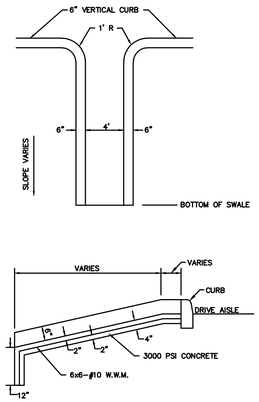

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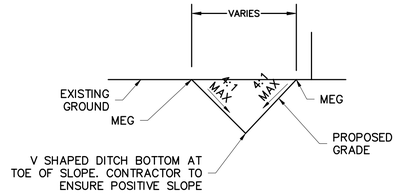

SWALE SECTION

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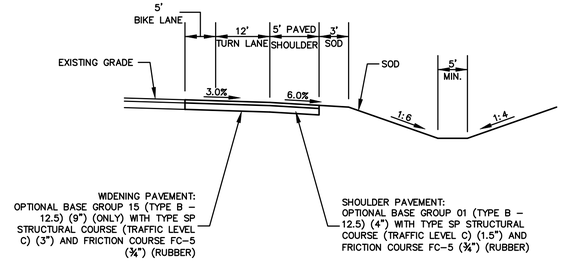
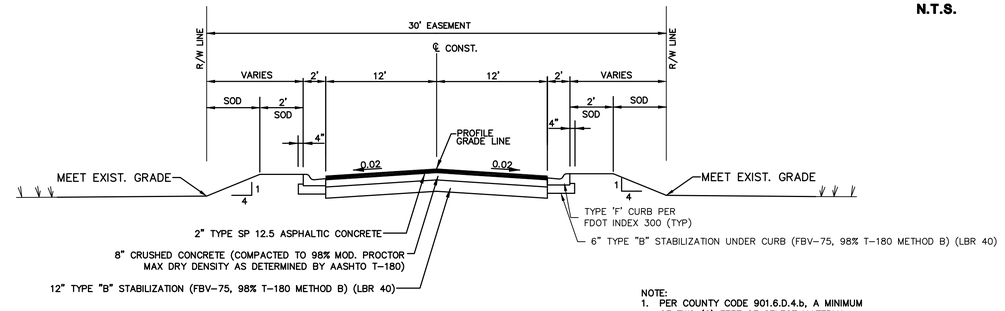


TYPICAL SECTION
NORTHBOUND RIGHT TURN LANE

N.T.S.



PAVEMENT STRUCTURAL No.

	LAYER COEFFICIENT	SN PROVIDED
2" TYPE SP 12.5 ASPHALTIC CONCRETE	0.44	0.88
8" CRUSHED CONCRETE BASE (LBR 100)	0.15	1.20
12" STABILIZED SUBGRADE (MIN LBR 40)	0.08	0.96
		3.04*

*PER TRANSPORTATION TECHNICAL MANUAL SECTION 8.1.A REQUIRED STRUCTURAL NUMBER (SN) SHALL BE NO LESS THAN 2.50. THEREFORE, THE PAVEMENT SECTION IS ADEQUATE.

NOTE:
1. PER COUNTY CODE 901.6.D.4.b, A MINIMUM OF TWO (2) FEET OF SELECT MATERIAL CONSISTING OF A-3 (SP) SOIL AND/OR A-2-4 WITH MAXIMUM FIFTEEN (15) PERCENT PASSING NUMBER 200 SIEVE SHALL BE USED BELOW STABILIZED SUBGRADE.

ROAD A CROWN

STA. 2+57.87 to STA. 4+00.00
STA. 11+92.06 to STA. 12+21.93

N.T.S.

PASCO COUNTY CRUSHED CONCRETE BASE SPECIFICATIONS

THE WORK SPECIFIED UNDER THIS SECTION CONSISTS OF THE CONSTRUCTION OF ROADWAY BASE UTILIZING CRUSHED CONCRETE (RECLAIMED CONCRETE AGGREGATE BASE MATERIAL) ON A PREPARED STABILIZED SUBGRADE OF LBR 40 WITH A DENSITY OF 98% OF THE MODIFIED PROCTOR MAXIMUM DENSITY AS DETERMINED BY FM 1-T 180, METHOD D, IN CONFORMITY WITH THE LINES, GRADES NOTES AND TYPICAL CROSS SECTIONS SHOWN IN THE PLANS, AND AS DIRECTED BY THE COUNTY ENGINEER.

THE CONSTRUCTION OF CRUSHED CONCRETE BASE SHALL CONFORM TO THE REQUIREMENTS OF THIS SECTION, OR, IN LIEU THEREOF, SUCH REQUIREMENTS AS MAY BE ESTABLISHED BY THE COUNTY ENGINEER DURING CONSTRUCTION. THE COUNTY ENGINEER SHALL HAVE FULL AUTHORITY TO MODIFY THE PROVISIONS OF THIS SECTION AS DEEMED NECESSARY, IN HIS OPINION, TO MEET FIELD CONDITIONS AND REQUIREMENTS.

MATERIALS

CRUSHED CONCRETE MUST BE PRODUCED FROM A SOURCE APPROVED BY FLORIDA DEPARTMENT OF TRANSPORTATION OR THE COUNTY ENGINEER. THE SUPPLIER SHALL HAVE DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) PERMIT REQUIREMENTS SECTION 62-701.730 OR BE QUIALIFIED AS A CLEAN DEBRIS SOURCE UNDER DEP RULES. THE RECLAIMED CONCRETE AGGREGATE BASE SHALL CONSIST OF CRUSHED CONCRETE MATERIAL DERIVED FROM THE CRUSHING OF HARD PORTLAND CEMENT CONCRETE.

COMPOSITION

BASE MATERIAL SHALL CONFORM TO THE FOLLOWING **GRADATION REQUIREMENTS**:

SIEVE SIZE	PERCENT BY WEIGHT PASSING
2 INCH	100
3/4 INCH	65 to 95
3/8 INCH	40 to 85
No. 4	25 to 65
No. 10	20 to 50
No. 50	5 to 25
No. 200	0 to 10

BASE MATERIAL SHALL CONFORM TO THE FOLLOWING **PLASTICITY REQUIREMENTS**:

CRUSHED CONCRETE BASE SHALL NOT CONTAIN PLASTIC SOILS SUCH THAT THE No. 40 SIEVE MATERIAL SHALL BE NON-PLASTIC.

LIQUID LIMIT (AS DETERMINED BY AASHTO T80) (LESS THAN 25) PER MATERIAL TYPE

THE FINISHED IN-PLACE CRUSHED CONCRETE BASE **LIMEROCK BEARING RATIO** SHALL HAVE A MINIMUM (LBR) OF 150.

CRUSHED CONCRETE BASE SHALL BE FREE OF ALL MATERIALS THAT FALL UNDER THE CATEGORY OF SOLID WASTE OR HAZARD MATERIALS AS DEFINED BY THE STATE OR LOCAL JURISDICTION AND SHALL MEET ALL DEP PERMIT REQUIREMENTS WHICH PERTAIN TO CONSTRUCTION, DEMOLITION AND RECYCLING OF THESE MATERIALS. CRUSHED CONCRETE BASE SHALL BE ASBESTOS FREE. THE FOLLOWING LIMITS SHALL NOT BE EXCEEDED:

BITUMINOUS CONCRETE.....1% BY WEIGHT
BRICKS.....1% BY WEIGHT
WOOD AND OTHER ORGANIC SUBSTANCES.....0.5% BY WEIGHT
HEAVY METALS (EXCEPT LEAD).....0.1% BY WEIGHT
LEAD.....5 PARTS PER MILLION
REINFORCED STEEL AND WELDED WIRE FABRIC.....0.1% BY WEIGHT
PLASTER AND GYPSUM BOARD.....0.1% BY WEIGHT

THE MATERIAL FOR CRUSHED CONCRETE BASE SHALL CONSIST ONLY OF CRUSHED CONCRETE PAVEMENT AND SUCH ADDITIVE MATERIAL AS MAY BE APPROVED BY THE COUNTY ENGINEER FOR THE PURPOSE OF FACILITATING CONSTRUCTION AND ACHIEVING THE DESIRED CHARACTERISTICS OF THE FINISHED IN-PLACED PRODUCT . APPROVAL FROM THE COUNTY ENGINEER IS REQUIRED BEFORE PLACING MATERIAL FROM MORE THAN ONE SOURCE. ONCE APPROVED, A CHANGE IN THE SOURCE OF BASE MATERIAL SHALL REQUIRE ADDITIONAL ACCEPTANCE TESTING. THE MATERIAL SHALL NOT CONTAIN LUMPS, BALLS OR POCKETS OF SAND OR CLAY MATERIAL IN SIZE OR QUANTITY SUFFICIENT TO BE DETRIMENTAL TO THE PROPER BONDING, FINISHING, STRENGTH OF THE CONCRETE BASE. EXISTING BASE IS TO BE REMOVED TO CONSTRUCT THE NEW BASE.

INSPECTION

SUBGRADE AND BASE INSPECTIONS SHALL BE CONDUCTED BY THE ENGINEER OF RECORD AND THE COUNTY INSPECTOR PRIOR TO SURFACE COURSE CONSTRUCTION.

NOTE:
NO DEVIATIONS TO THIS DETAIL WILL BE PERMITTED UNLESS APPROVED BY THE COUNTY ENGINEER.
ANY PROPOSED ALTERATIONS SHALL BE CLEARLY IDENTIFIED AND HIGHLIGHTED ON DETAIL.

PASCO COUNTY ENGINEERING SERVICES DESIGN STANDARDS	CRUSHED - CONCRETE BASE SPECIFICATIONS		Sheet No. 1 of 2
	APPROVED BY JCW	BCC APPROVAL ____ REVISED ____	Index No. 104

EQUIPMENT, PLACEMENT AND SPREADING OF MATERIAL

USE MECHANICAL ROCK SPREADERS, EQUIPPED WITH A DEVICE THAT STRIKES OFF THE ROCK UNIFORMLY TO LAYING THICKNESS AND CAPABLE OF PRODUCING EVEN DISTRIBUTION. FOR ROADWAY WIDTHS OF 20 FEET OR LESS, CROSSOVERS, INTERSECTIONS, RAMP AREAS OR WHERE THE USE OF A MECHANICAL SPREADER IS NOT PRACTICABLE; THE CONTRACTOR MAY SPREAD THE CRUSHED CONCRETE BASE USING BULLDOZERS OR BLADE GRADERS.

TRANSPORT CRUSHED CONCRETE TO THE POINT OF USE, OVER THE BASE PREVIOUSLY PLACED, AND DUMP IT ON THE END OF THE PRECEDING SPREAD. HAULING ON SUBGRADE TO DUMP CRUSHED CONCRETE BASE WILL BE PERMITTED ONLY WHEN, IN THE ENGINEER'S OPINION, THESE OPERATIONS WILL NOT BE DETRIMENTAL TO THE BASE AND SUBGRADE.

CRUSHED CONCRETE SHALL BE SPREAD UNIFORMLY WITHOUT SEGREGATION OF FINE OR COURSE MATERIALS. SEGREGATED AREAS SHALL BE REPLACED WITH PROPERLY GRADED CRUSHED CONCRETE AFTER REMOVAL.

THE MINIMUM THICKNESS OF THE CRUSHED CONCRETE BASE SHALL BE INDICATED ON THE PLANS. WHEN THE SPECIFIED COMPACTED THICKNESS OF THE CRUSHED CONCRETE BASE IS **GREATER THAN SIX INCHES, CONSTRUCT THE BASE IN MULTIPLE COURSES OF EQUAL THICKNESS. INDIVIDUAL COURSES SHALL NOT BE LESS THAN THREE INCHES.** PLACE CRUSHED CONCRETE MATERIAL TO ENSURE THE TOTAL THICKNESS SINGLE SOURCE INTEGRITY AT ANY STATION LOCATION OF THE BASE.

COMPACTING, FINISHING AND TESTING REQUIREMENTS

AFTER SPREADING IS COMPLETED THE CRUSHED CONCRETE SHALL BE UNIFORMLY COMPACTED, WITH WATER BEING ADDED AS REQUIRED TO A **DENSITY OF NOT LESS THAN ONE HUNDRED PERCENT (100%) OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.** DURING FINAL COMPACTION OPERATIONS, IF THE BLADING OF ANY AREAS IS NECESSARY TO OBTAIN THE TRUE GRADE AND CROSS SECTION, FREE OF SCABS AND LAMINATIONS, THE COMPACTING OPERATIONS FOR SUCH AREAS SHALL BE COMPLETED PRIOR TO THE PERFORMANCE OF DENSITY TESTS ON THE FINISHED BASE.

MULTIPLE COURSE BASE: CLEAN THE FIRST COURSE OF FOREIGN MATERIAL, THEN BLADE AND BRING IT TO A SURFACE CROSS-SECTION APPROXIMATELY PARALLEL TO THE FINISHED BASE. BEFORE SPREADING ANY MATERIAL FOR THE UPPER COURSES, **OBTAIN DENSITY TESTS FOR THE LOWER COURSES** TO DETERMINE THAT THE REQUIRED COMPACTION [NOT LESS THAN ONE HUNDRED PERCENT (100%) OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180) HAS BEEN OBTAINED. AFTER SPREADING THE CRUSHED CONCRETE FOR THE TOP COURSE, FINISH AND SHAPE IT'S SURFACE TO PRODUCE THE REQUIRED GRADE AND CROSS-SECTION, FREE OF SCABS AND LAMINATIONS, AFTER COMPACTION.

THE MINIMUM DENSITY THAT WILL BE ACCEPTED AT ANY LOCATION OUTSIDE THE TRAVELED ROADWAY (SUCH AS INTERSECTIONS, CROSSOVERS, TURNOUTS, ETC.) SHALL BE 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.

TESTING OF BASE COURSE

THE MINIMUM **FREQUENCY** OF SAMPLING AND TESTING OF CRUSHED CONCRETE MATERIAL, LAB DENSITY, FIELD DENSITY AND THICKNESS SHALL ADHERE TO THE FREQUENCY OF TESTING FOR LIMEROCK BASE IN THE MOST CURRENT EDITION OF "**PASCO COUNTY ENGINEERING SERVICES DEPARTMENT TESTING SPECIFICATIONS FOR CONSTRUCTION OF ROADS, STORM DRAINAGE AND UTILITIES**". ONE PLANT MIX DESIGN, ONE PLANT GRADATION TEST FOR SIEVE ANALYSIS OF FINE AND COARSE AGGREGATES (AASHTO T-27) (FM1-T027) INCLUDING A PLASTICITY INDEX (FM-T090) (AASHTO T-90) FROM THE APPROVED SOURCE SHALL BE SUBMITTED AT ONE PER DAY OR CHANGE OF MATERIAL. ONE ROADWAY FIELD TEST FOR SIEVE ANALYSIS OF FINE AND COARSE AGGREGATES (ASTM C-136) SHALL BE SUBMITTED PER 500 FEET OF ROAD PER DAY PER MIX DESIGN; MINIMUM ONE PER ROAD.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TESTING PERFORMED IN CONNECTION WITH CONSTRUCTION OF THE BASE.

CORRECTION OF DEFECTS

ALL SEGREGATED AREAS OF FINE OR COURSE CRUSHED CONCRETE SHALL BE REMOVED AND REPLACED WITH PROPERLY GRADED RECLAIMED CONCRETE AGGREGATE BASE MATERIAL. ALL DEFECTS IN MATERIALS AND CONSTRUCTION SHALL BE CORRECTED BY THE CONTRACTOR, AT HIS EXPENSE, AND TO THE SATISFACTION OF THE COUNTY ENGINEER.

PRIMING AND MAINTENANCE

APPLY THE PRIME COAT ONLY WHEN THE BASE MEETS THE SPECIFIED DENSITY REQUIREMENTS AND WHEN THE MOISTURE CONTENT. AT THE TIME OF PRIMING, ENSURE THAT THE BASE IS FIRM, UNYIELDING AND IN SUCH CONDITION THAT NO UNDUE DISTORTION WILL OCCUR. MAINTAIN THE TRUE CROWN AND TEMPLATE, WITH NO RUTTING OR DISTORTION, WHILE APPLYING THE SURFACE COURSE.

EMBANKMENT MATERIAL UNDER CONCRETE PAVEMENT SHALL BE PER FDOT INDEX No. 505.

PASCO COUNTY TESTING SPECIFICATIONS ON CRUSHED CONCRETE BASE

TESTS FOR BASE THICKNESS, AND DENSITY SHALL BE LOCATED NO MORE THAN THREE HUNDRED (300) FEET APART AND SHALL BE STAGGERED TO THE LEFT, RIGHT, AND ON THE CENTERLINE OF ROADWAY. THERE SHALL BE NO LESS THAN ONE (1) TEST PER STREET. BEARING VALUE, GRADATION AND FIELD TEST FOR SIEVE ANALYSIS OF FINE AND COARSE AGGREGATES (ASTM C-136) SHALL BE NO MORE THAN FIVE HUNDRED (500) FEET.

EXAMPLE: A SEVEN HUNDRED FEET ROAD WOULD REQUIRE TWO FIELD LBR AND GRADATION TESTS, THREE FIELD DENSITY AND THICKNESS TESTS ALONG WITH THE APPROPRIATE LAB TESTING.

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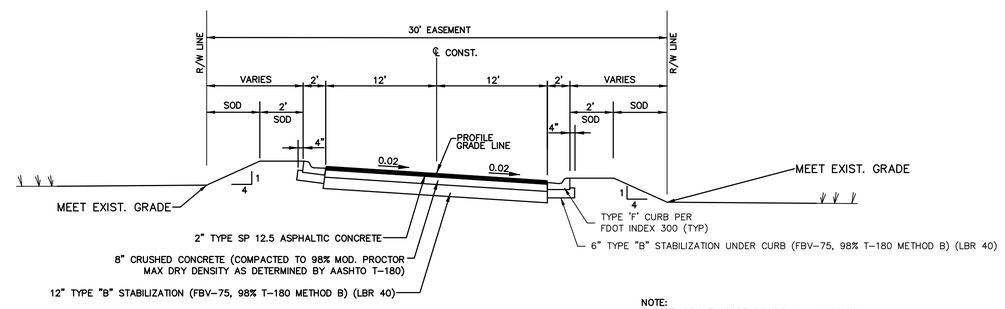
PASCO COUNTY ENGINEERING SERVICES DESIGN STANDARDS	CRUSHED - CONCRETE BASE SPECIFICATIONS		Sheet No. 2 of 2
	APPROVED BY JCW	BCC APPROVAL ____ REVISED ____	Index No. 104



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ROAD A TRANSITION

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Q.C. XXX			

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FOR
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P.O. BOX 290069
TAMPA, FLORIDA 33687

TYPICAL SECTIONS AND DETAILS

NO.	DATE	DESCRIPTION	APPD BY

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DATE: 08/26/2013	
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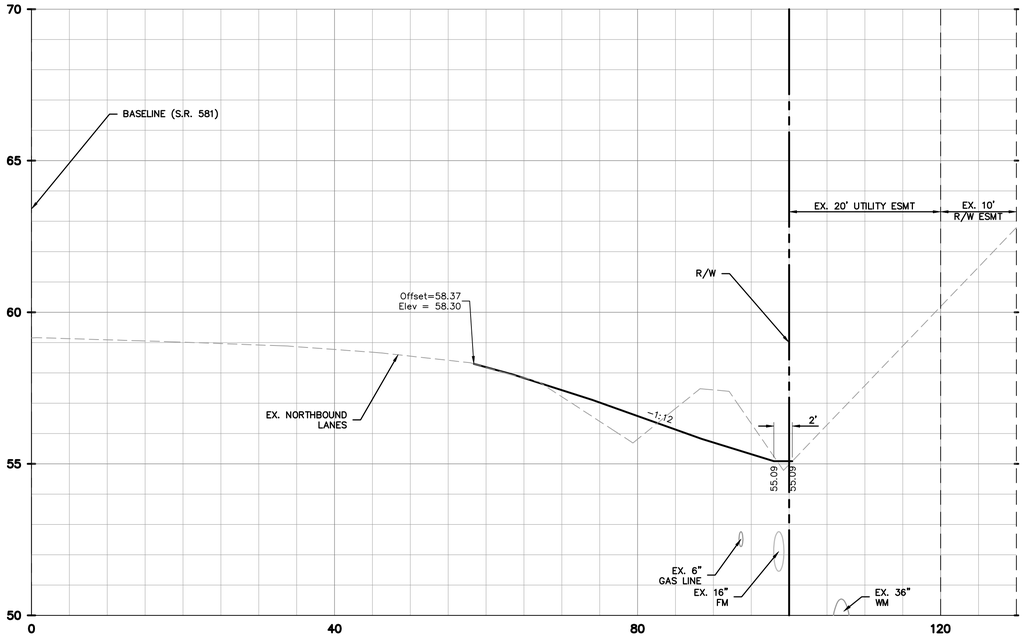

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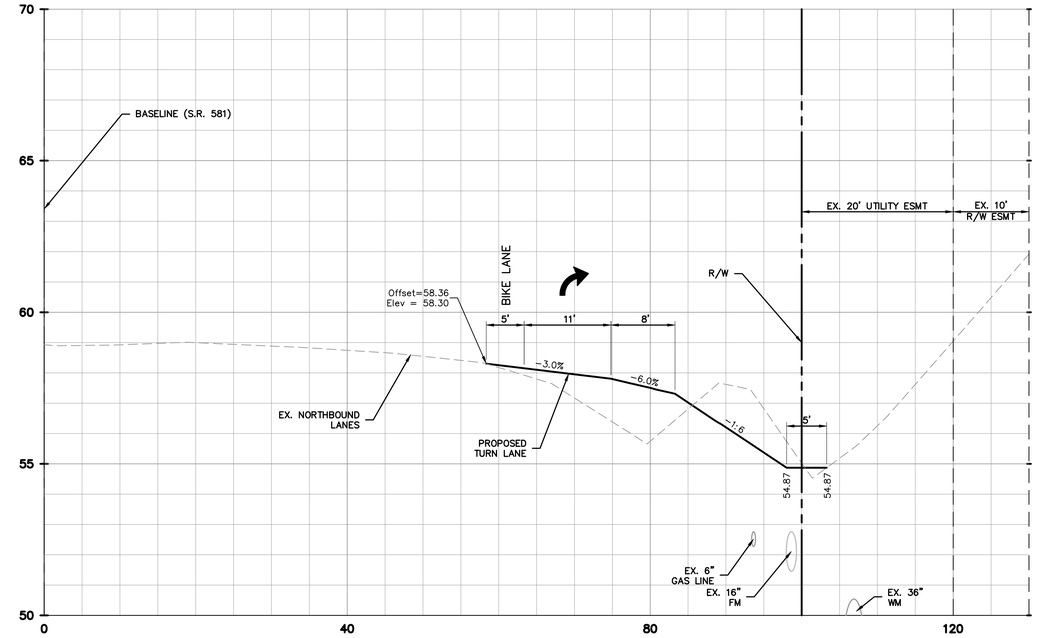

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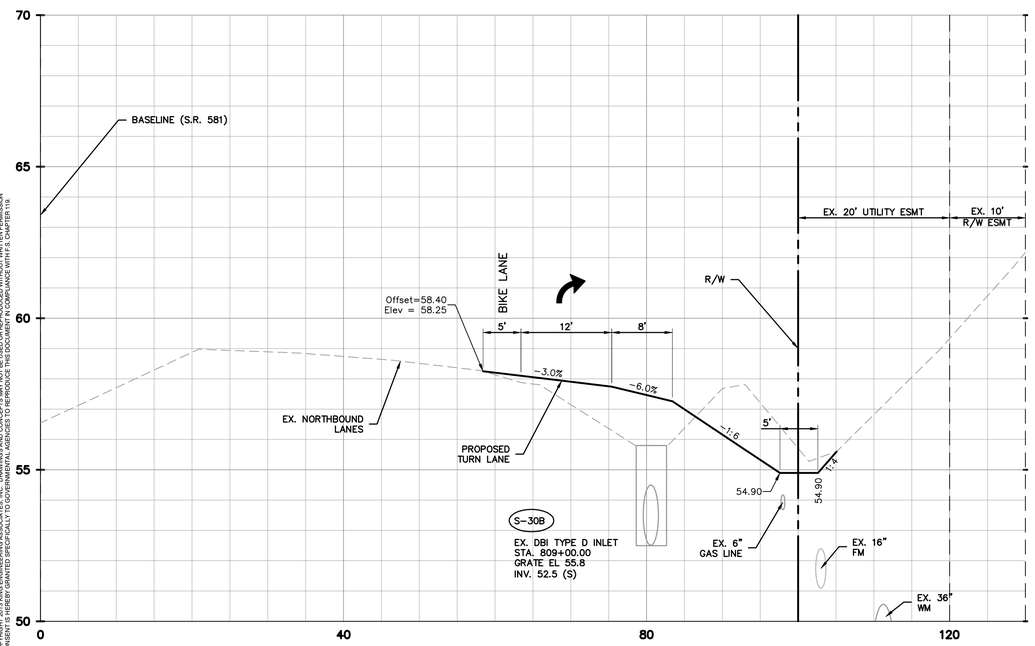

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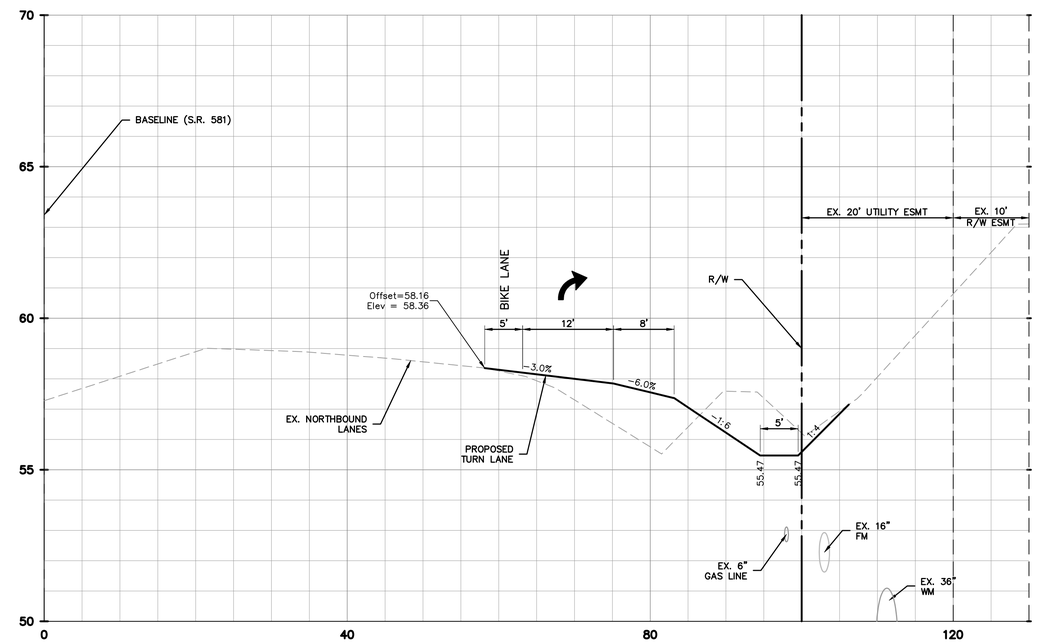

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NLL		4921 Memorial Highway One Memorial Center, Suite 300 Tampa, Florida 33634 Phone 813 880-8881 Fax 813 880-8882 www.kingengineering.com Engineering License #2610			DATE: 08/26/2013	
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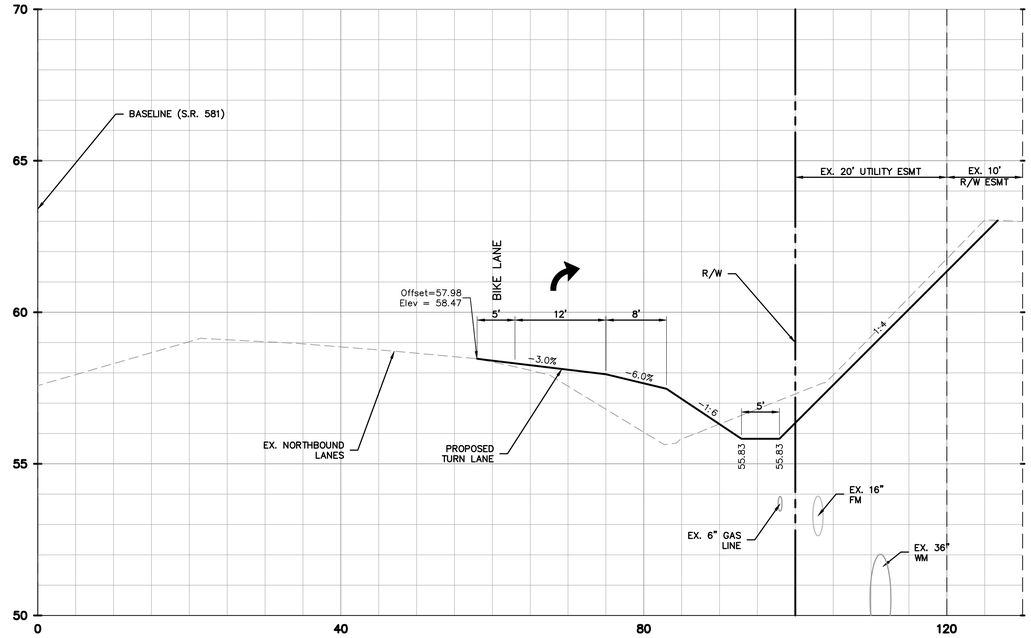

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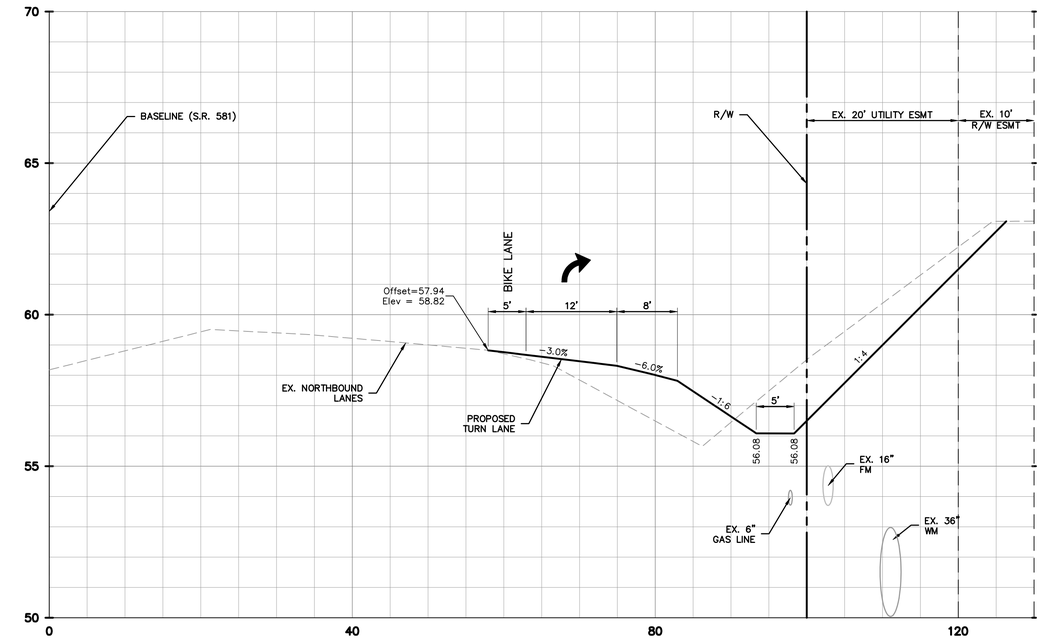

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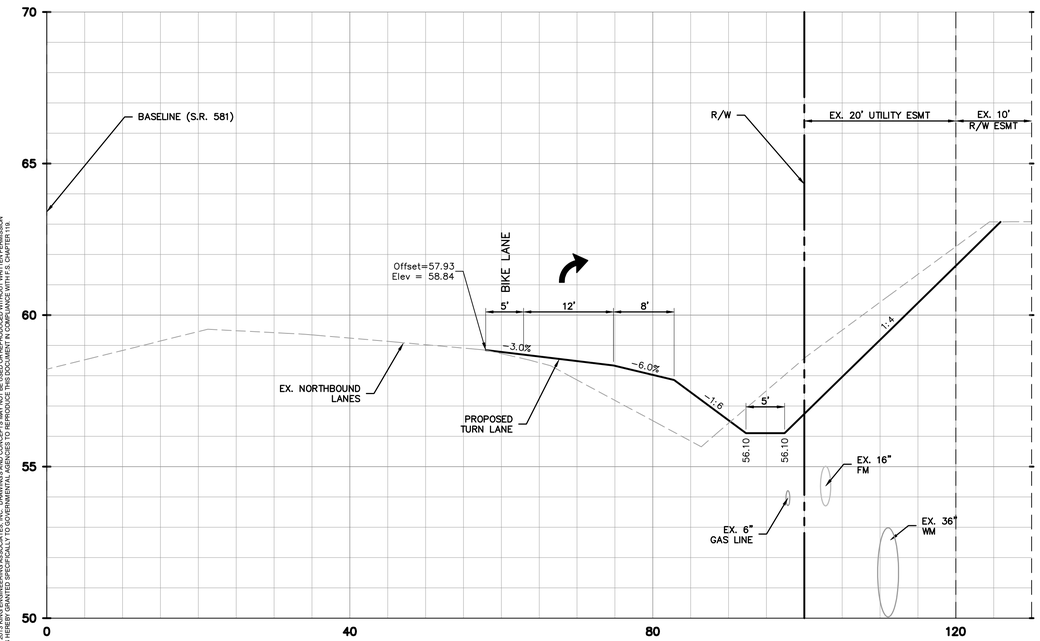

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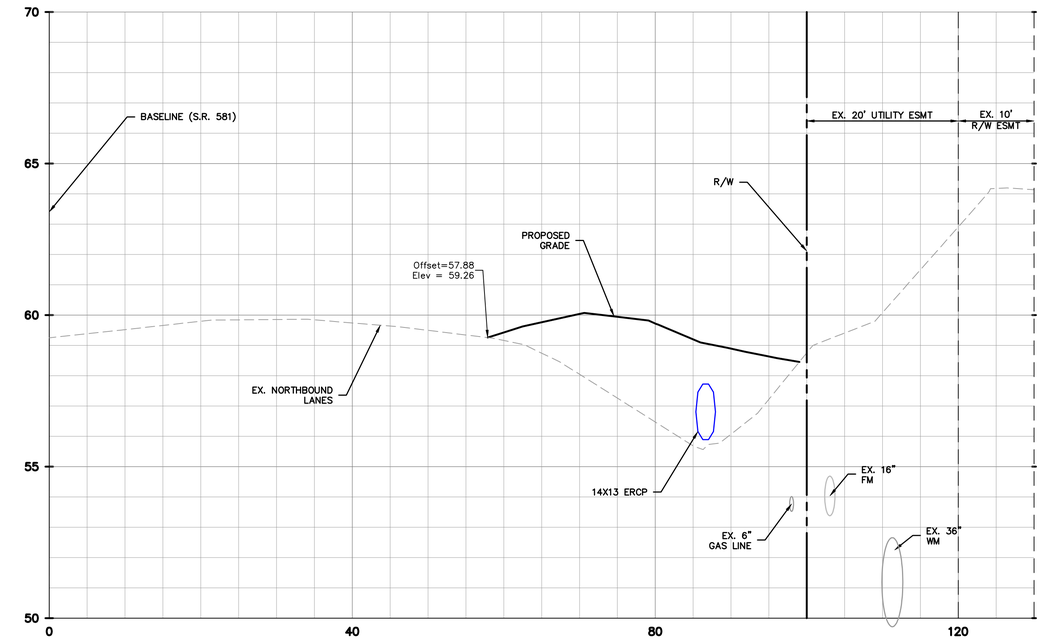

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DRAWN	GGL
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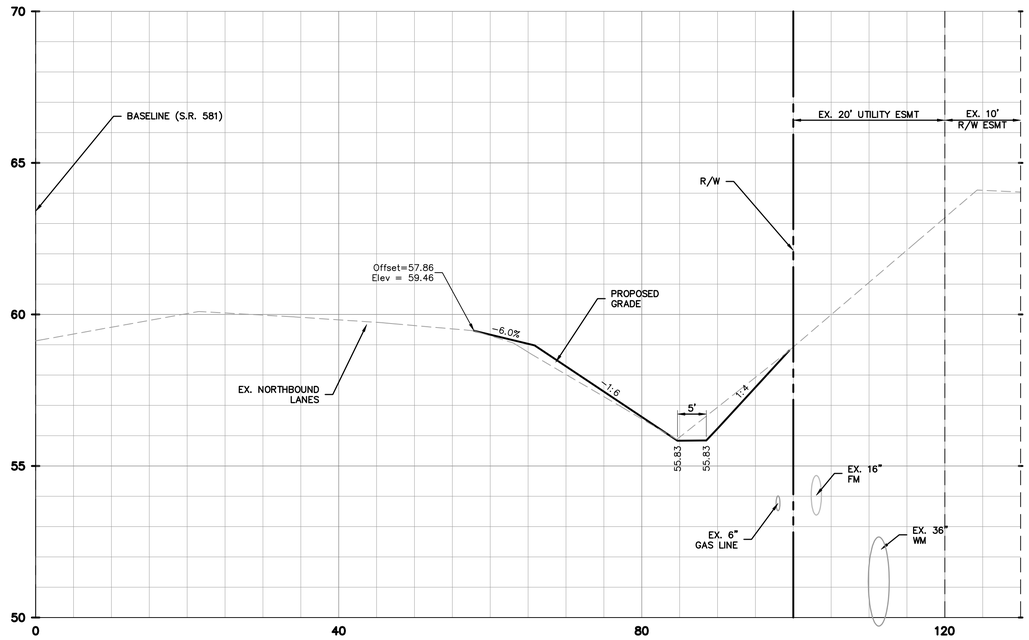
WIREGRASS PARCEL M11
FOR
LOCUST BRANCH, LLC
P.O. BOX 290069
TAMPA, FLORIDA 33687

CROSS SECTIONS

NO.	DATE	DESCRIPTION	APPD BY

JOB NO.	4463-014-000
DATE:	08/26/2013
SCALE:	AS SHOWN
SHEET NO.	C7.52

PASCO COUNTY SUBMITTAL
October 16, 2013



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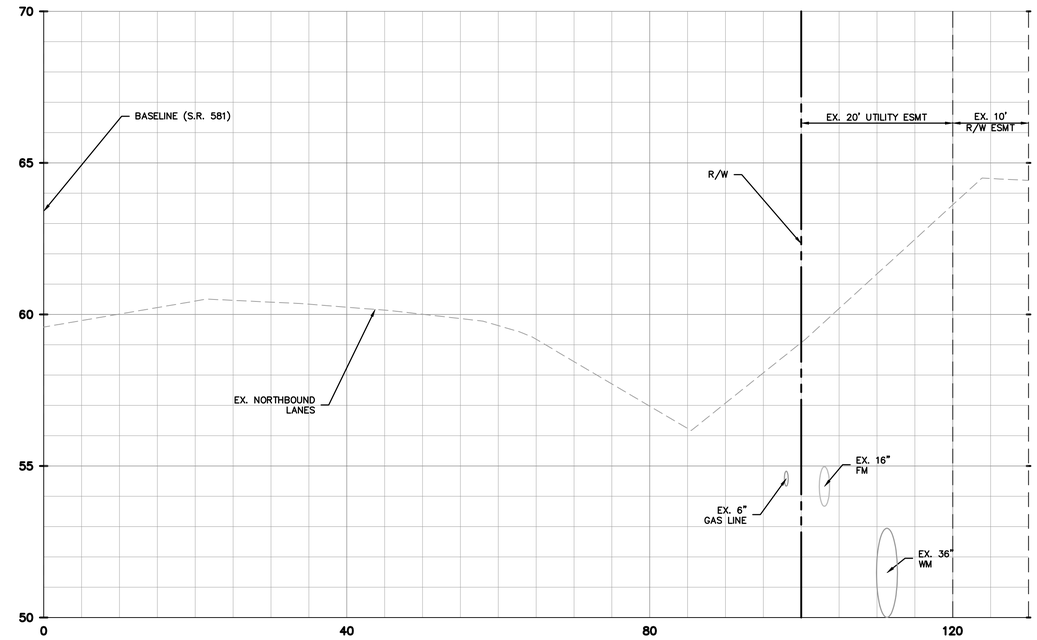

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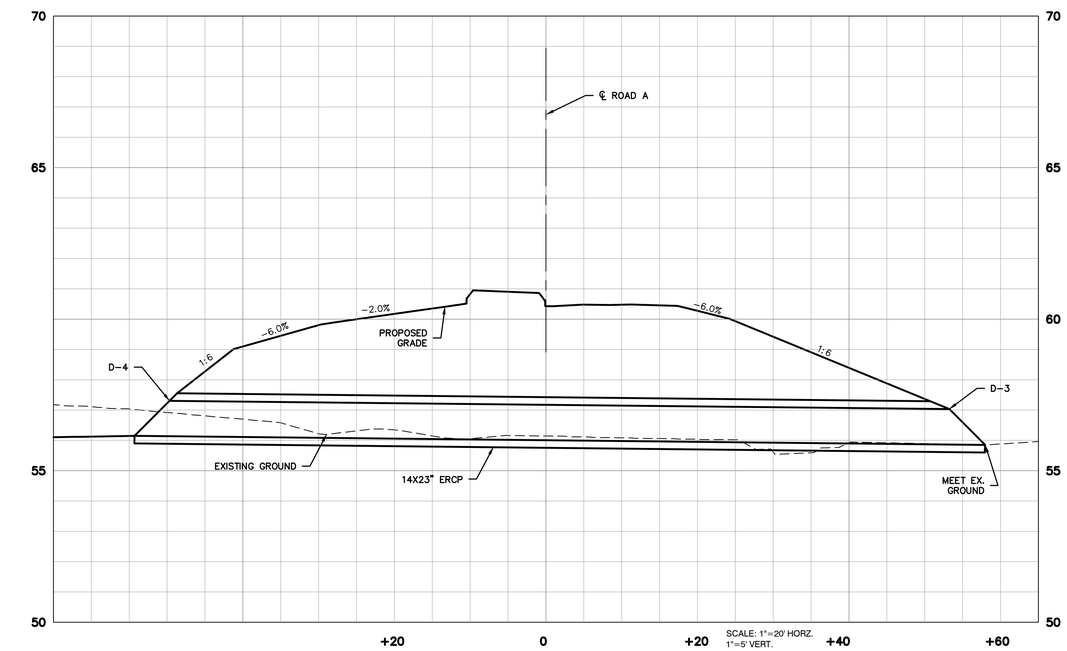

2+88.77
ROAD A

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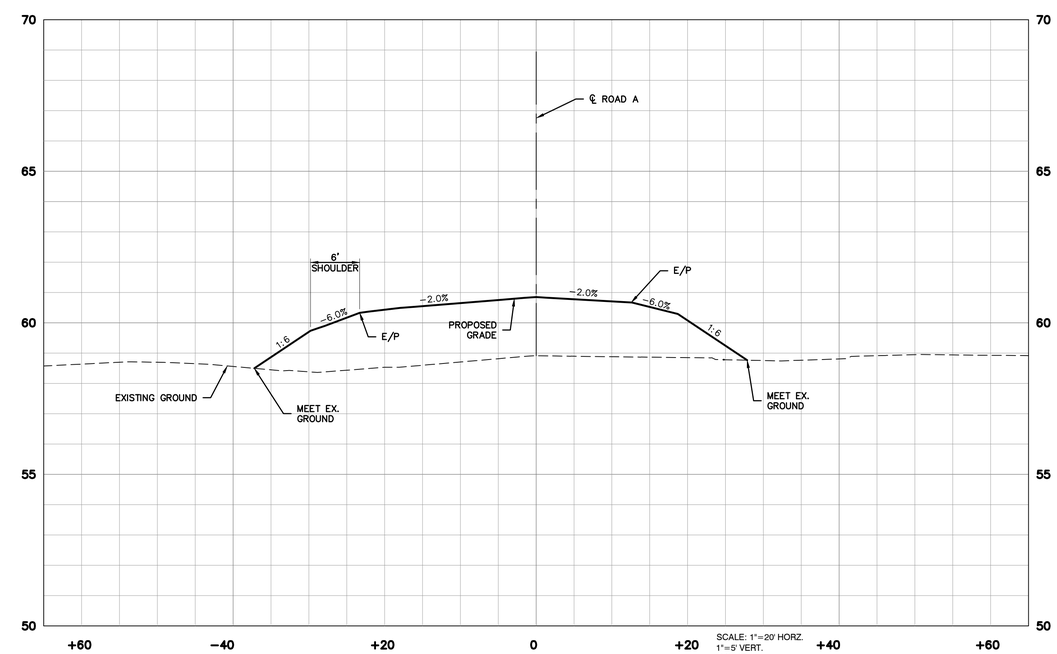

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ROAD A

SCALE: 1"=20' HORZ.
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FOR
LOCUST BRANCH, LLC
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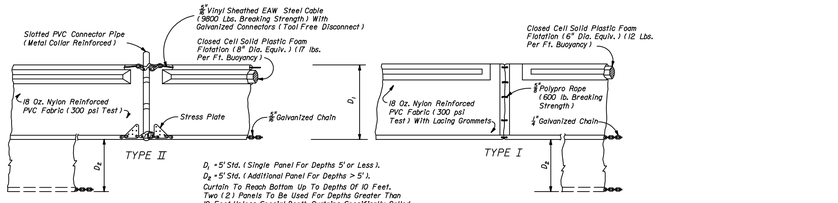
CROSS SECTIONS

NO.	DATE	DESCRIPTION	APP'D BY

JOB NO. 4463-014-000
DATE: 08/26/2013
SCALE: AS SHOWN
SHEET NO. C7.53

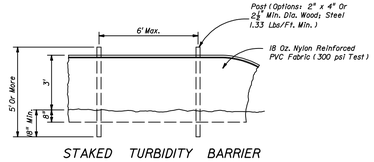
PASCO COUNTY SUBMITTAL
October 16, 2013



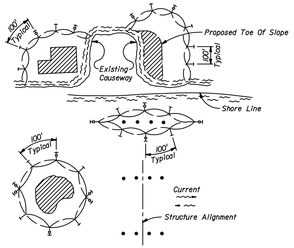
D_1 = 5' Std. (Single Panel For Depths 5' or Less).
D_2 = 5' Std. (Additional Panel For Depths > 5').
Curtain To Reach Bottom Up To Depths Of 10 Feet.
Two (2) Panels To Be Used For Depths Greater Than 10 Feet Unless Special Depth Curtains Specifically Called For In The Plans Or As Determined By The Engineer.

NOTICE: COMPONENTS OF TYPES I AND II 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. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

FLOATING TURBIDITY BARRIERS

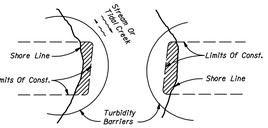


STAKED TURBIDITY BARRIER



LEGEND
- Pile Locations
- Dredge Or Fill Area
- Mooring Buoy w/Anchor
- Anchor
- Barrier Movement Due To Current Action

TURBIDITY BARRIER APPLICATIONS

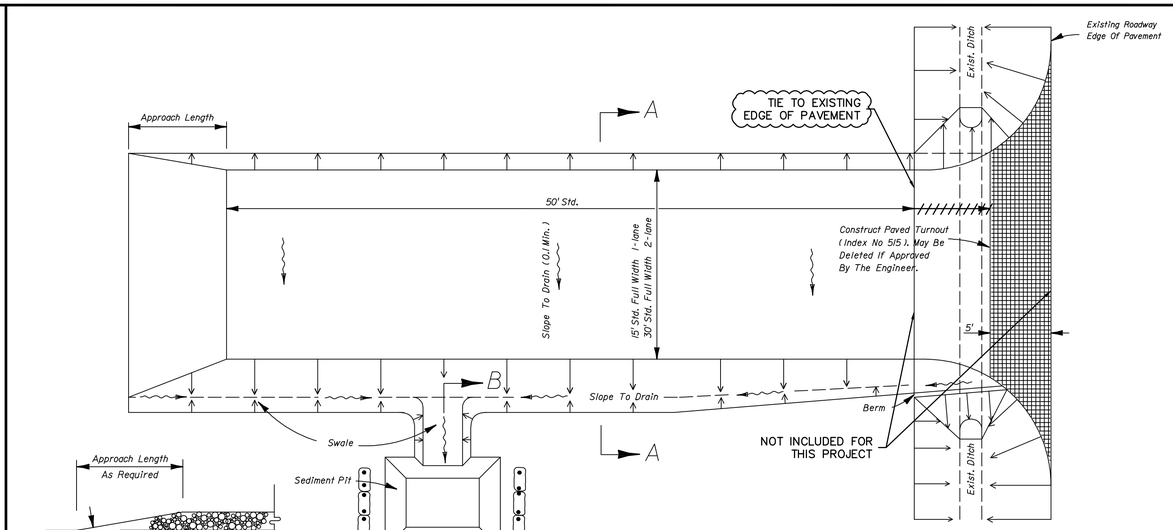


Note:
Turbidity barriers for flowing streams and tidal creeks may be either floating, or staked types or any combinations of types that will suit site conditions and meet erosion control and water quality requirements. The barrier type(s) will be at the Contractors option unless otherwise specified in the plans, however payment will be under the pay item(s) established in the plans for Floating Turbidity Barrier and/or Staked Turbidity Barrier. Posts in staked turbidity barriers to be installed in vertical position unless otherwise directed by the Engineer.

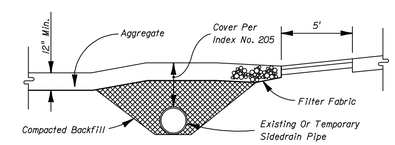
NOTES:
1. Turbidity barriers are to be used in all permanent bodies of water regardless of water depth.
2. Number and spacing of anchors dependent on current velocities.
3. Deployment of barrier around pile locations may vary to accommodate construction operations.
4. Navigation may require segmenting barrier during construction operations.
5. For additional information see Section 104 of the Standard Specifications.

GENERAL NOTES
1. Floating turbidity barriers are to be paid for under the contract unit price for Floating Turbidity Barrier, LF.
2. Staked turbidity barriers are to be paid for under the contract unit price for Staked Turbidity Barrier, LF.

FLOATING TURBIDITY BARRIERS (FDOT INDEX 103) | 1

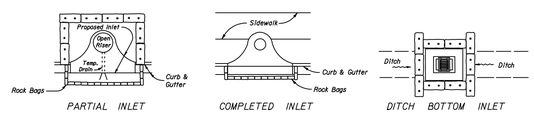


GENERAL NOTES
1. A Soil Tracking Prevention Device (STPD) shall be constructed at locations designated by the engineer for points of egress from unstabilized areas of the project to public roads where offsite tracking of mud could occur. Traffic from unstabilized areas of the construction project shall be directed thru a STPD. Barriers, flagging, or other positive means shall be used as required to limit and direct vehicular egress across the STPD.
2. The Contractor may propose an alternative technique to minimize offsite tracking of sediment. The alternative must be reviewed and approved by the Engineer prior to its use.
3. All materials spilled, dropped, or tracked onto public roads (including the STPD aggregate and construction mud) shall be removed daily, or more frequently if so directed by the Engineer.
4. Aggregates shall be as described in Section 901 excluding 901-2.3. Aggregates shall be FDOT size #1. If this size is not available, the next available smaller size aggregate may be substituted with the approval of the Engineer. Sizes containing excessive small aggregate will track off the project and are unsuitable.
5. The sediment pit should provide a retention volume of 3600 cubic feet/acre of surface area draining to the pit. When the STPD is isolated from other drainage areas, the following pit volumes will satisfy this requirement:
   15' x 50' = 100 ft³
   30' x 50' = 200 ft³
   As an option to the sediment pit, the width of the swale bottom can be increased to obtain the volume. When the sediment pit or swale volume has been reduced to one half, it shall be cleaned. When a swale is used, hay bales or silt fence shall be placed along the entire length.
6. The swale ditch draining the STPD shall have a 0.2% minimum and a 1.0% maximum grade along the STPD and to the sediment pit.
7. Mitered end sections are not required when the sidedrain pipe satisfies the clear zone requirements.
8. The STPD shall be maintained in a condition that will allow it to perform its function. To prevent offsite tracking, the STPD shall be rinsed (daily when in use) to move accumulated mud downward thru the stone. Additional stabilization of the vehicular route leading to the STPD may be required to limit the mud tracked.
9. A STPD shall be paid for under the contract unit price for Soil Tracking Prevention Device, EA. The unit price shall constitute full compensation for construction, maintenance, replacement of materials, removal, and restoration of the area utilized for the STPD, including but not limited to excavation, grading, temporary pipe (including MES when required), filter fabric, aggregate, paved turnout (including asphalt and base construction), ditch stabilization, approach route stabilization, sediment removal and disposal, water, rinsing and cleaning of the STPD and cleaning of public roads, grassing and sod. Hay bales shall be paid for under the contract unit price for Hay or Straw Baled, EA. Silt fence shall be paid for under the contract unit price for Staked Silt Fence, LF.
10. The nominal size of a standard STPD is 15' x 50' unless otherwise shown in the plans. If the volume of entering and exiting vehicles warrant, a 30' width STPD may be used if approved by the Engineer. When a double width (30') STPD is used, the pay quantity shall be 2 for each location.



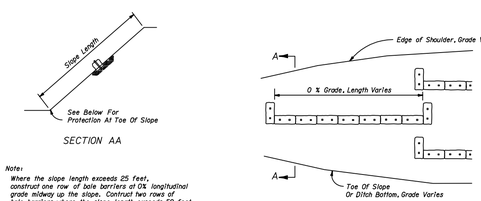
RURAL CONNECTION DETAIL

SOIL TRACKING PREVENTION DEVICE - TYPE A (FDOT INDEX 106) | 2



PARTIAL INLET | COMPLETED INLET | DITCH BOTTOM INLET

PROTECTION AROUND INLETS OR SIMILAR STRUCTURES

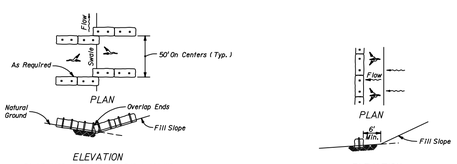


SECTION AA

Note:
Where the slope length exceeds 25 feet, construct one row of bale barriers at 0% longitudinal grade midway up the slope. Construct two rows of bale barriers where the slope length exceeds 50 feet.

ALONG FILL SLOPE

ELEVATION



PLAN | ELEVATION

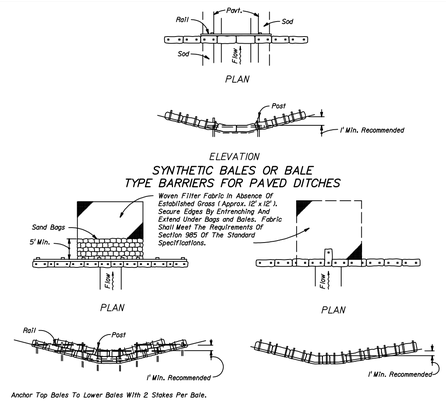
TO BE USED WHERE THE NATURAL GROUND SLOPES TOWARD THE TOE OF SLOPE

PLAN | ELEVATION

TO BE USED WHERE THE NATURAL GROUND SLOPES AWAY FROM THE TOE OF SLOPE

AT TOE OF SLOPE

BARRIERS FOR FILL SLOPES



PLAN | ELEVATION

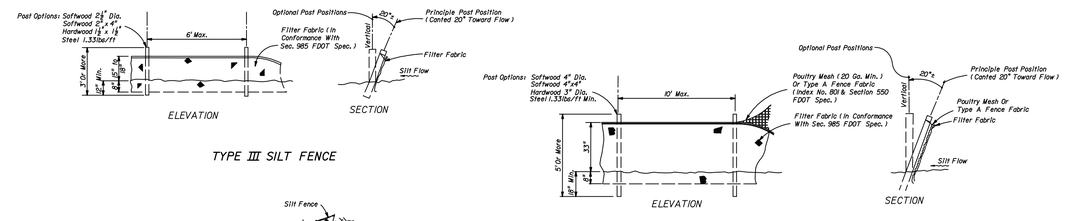
SYNTHETIC BALES OR BALE TYPE BARRIERS FOR PAVED DITCHES

PLAN | ELEVATION

TYPE II | TYPE I

SYNTHETIC BALES OR BALE TYPE BARRIERS FOR UNPAVED DITCHES

NOTES FOR SYNTHETIC BALES OR BALE TYPE BARRIERS
1. Type I and II Synthetic Barrier should be spaced in accordance with Chart 1, Sheet 1.
2. Bales shall be trenched 3" to 4" and anchored with 2-1" x 2" (or 1" dia.) x 4' wood stakes. Stakes of other material or shape providing equivalent strength may be used if approved by the Engineer. Stakes other than wood shall be removed upon completion of the project.
3. Rails and posts shall be 2" x 4" wood. Other materials providing equivalent strength may be used if approved by the Engineer.
4. Adjacent bales shall be butted firmly together.
5. Where used in conjunction with silt fence, bales shall be placed on the upstream side of the fence.
6. Bales to be paid for under the contract unit price for Synthetic Bales, LF. The unit price shall include the cost of filter fabric for Type I and II Barriers. Sandbags shall be paid for under the unit price for Sandbagging, CY. Rock bags to be paid for under the contract unit price for Rock Bags, EA.

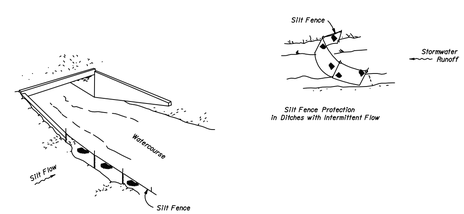


ELEVATION | SECTION

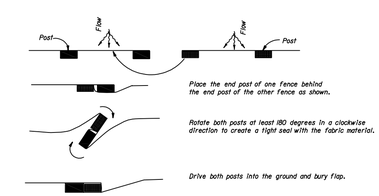
TYPE III SILT FENCE

ELEVATION | SECTION

TYPE IV SILT FENCE



SILT FENCE APPLICATIONS



PLAN VIEW

JOINING TWO SILT FENCES

NOTES FOR SILT FENCES
1. Type III Silt Fence to be used at most locations. Where used in ditches, the spacing for Type III Silt fence shall be in accordance with Chart 1, Sheet 1.
2. Type IV Silt Fence to be used where large sediment loads are anticipated. Suggested use is where fill slope is 1:2 or steeper and length of slope exceeds 25 feet. Avoid use where the detained water may back into travel lanes or off the right of way.
3. Do not construct silt fences across permanent flowing watercourses. Silt fences are to be at upland locations and turbidity barriers used at permanent bodies of water.
4. Where used as slope protection, Silt Fence is to be constructed on 0% longitudinal grade to avoid channelizing runoff along the length of the fence.
5. Silt Fence to be paid for under the contract unit price for Staked Silt Fence, (LF).

TEMPORARY EROSION AND SEDIMENT CONTROL (FDOT INDEX 102) | 3

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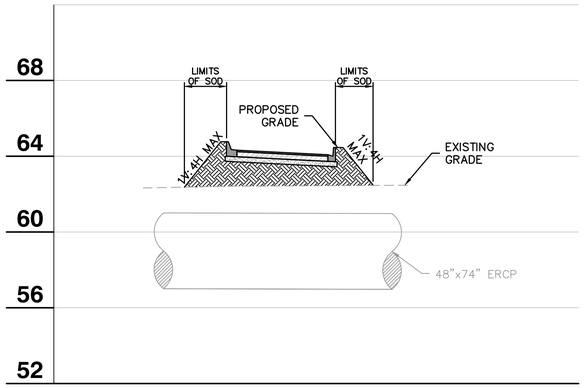
WIREGRASS PARCEL M11
FOR
LOCUST BRANCH, LLC
P.O. BOX 290069
TAMPA, FLORIDA 33687

EROSION CONTROL DETAILS

NO.	DATE	DESCRIPTION	APP'D BY

JOB NO. 4463-014-000
DATE: 08/26/2013
SCALE: AS SHOWN
SHEET NO. C8.01

PASCO COUNTY SUBMITTAL
October 16, 2013



SECTION A C4.01

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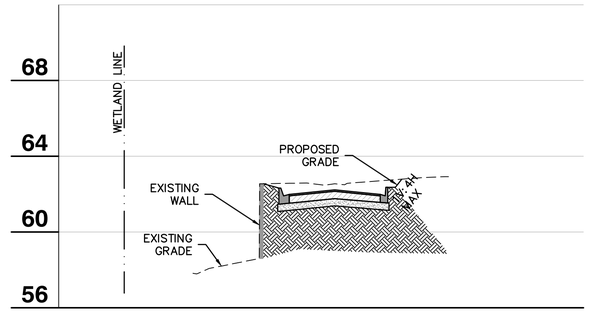

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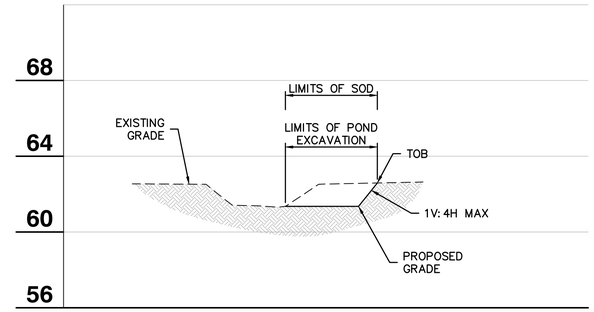

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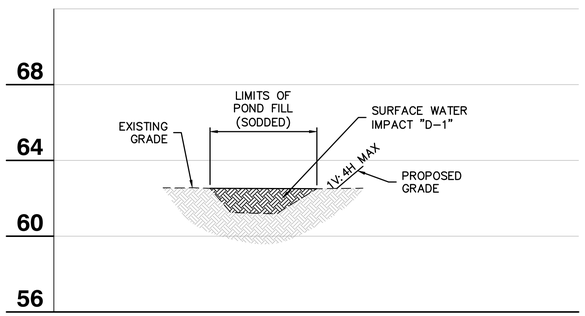

SECTION D C4.01

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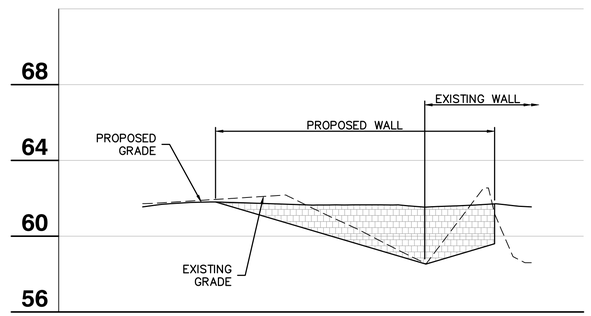

SECTION E C4.01

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NO.	DATE	DESCRIPTION	APP'D BY

JOB NO. 4463-014-000
DATE: 08/26/2013
SCALE: AS SHOWN
SHEET NO. **C9.01**

PASCO COUNTY SUBMITTAL
October 21, 2013