

FORT WHITE COMMUNITY THRIFT SHOP SITE

SITE PLAN FOR:

DOUG MOSELY
FT WHITE COMMUNITY THRIFT SHOP, INC.
P.O. BOX 996
FORT WHITE, FL 32038
386.288.6459

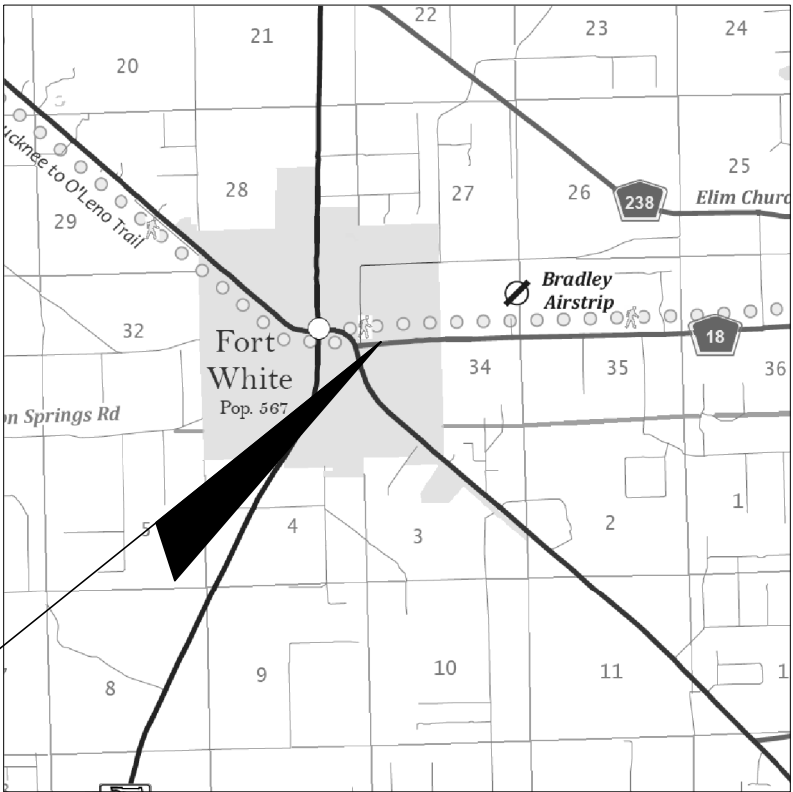
LEGAL DESCRIPTION

Commence at the Northwest corner of the Southwest 1/4, Section 34, Township 6 South, Range 16 East, Columbia County, Florida, and run thence South 03 deg. 16 min. 33 sec. West, along the West line of said Section 34, 51.45 feet to the South right-of-way line of County Road C-18 and to the Point of Beginning; thence continue South 03 deg. 16 min. 33 sec. West, along said West line, 415.59 feet; thence North 89 deg. 52 min. 46 sec. East, 525.00 feet; thence North 03 deg. 16 min. 33 sec. East, 415.59 feet to said South right-of-way line of County Road C-18; thence South 89 deg. 52 min. 46 sec. West, along said South right-of-way line, 525.00 feet to the Point of Beginning;

LESS and EXCEPT:
Commence at the Northwest corner of the Southwest 1/4, Section 34, Township 6 South, Range 16 East, Columbia County, Florida, and run thence South 03 deg. 16 min. 33 sec. West along the West line of said Section 34, 51.45 feet to the South right-of-way line of County Road C-18 and to the Point of Beginning; thence continue South 03 deg. 16 min. 33 sec. West, along said West line, 415.59 feet; thence North 89 deg. 52 min. 46 sec. East, 105.00 feet; thence North 03 deg. 16 min. 33 sec. East, 415.59 feet to said South right-of-way line of County Road C-18, thence South 89 deg. 52 min. 46 sec. West, along said South right-of-way line, 105.00 feet to the Point of Beginning.

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PROJECT LOCATION

LOCATION MAP

SECTION 34, TOWNSHIP 06 SOUTH, RANGE 16 EAST
COLUMBIA COUNTY, FLORIDA

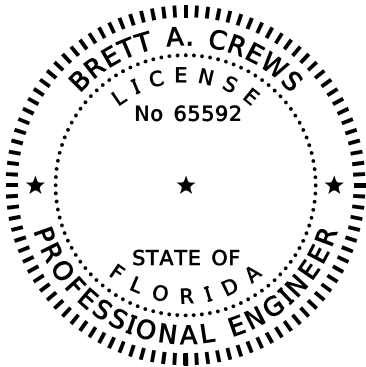
PARCEL #s 34-6S-16-04059-003

CES

Crews Engineering Services, LLC

349 SW CREWS FARM TER
LAKE CITY, FL 32025
PHONE: 386.623.4303

CERTIFICATE OF AUTHORIZATION:
NO. 28022



BRETT A. CREWS, P.E. 65592

CES PROJECT NO.	SHEET NO.
2019-03	KEY1

GENERAL NOTES


1. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE TO INSURE THAT ALL NEW WORK WILL FIT IN THE MANNER INTENDED ON THE PLANS. SHOULD ANY CONDITIONS EXIST THAT ARE CONTRARY TO THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF SUCH DIFFERENCES IMMEDIATELY & PRIOR TO PROCEEDING WITH THE WORK.
2. THE CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION SITE AT ALL TIMES IN A SECURE MANNER. ALL OPEN TRENCHES AND EXCAVATED AREAS SHALL BE PROTECTED FROM ACCESS BY THE GENERAL PUBLIC.
3. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD NOTIFY THE ENGINEER.
4. THE SURFACE WATER MANAGEMENT SYSTEM SHALL BE CONSTRUCTED IN ACCORDANCE WITH SRWMD RULES AND REGULATIONS (CH. 40B-4 F.A.C.).
5. EXISTING DRAINAGE STRUCTURES SHALL BE MODIFIED AS SHOWN IN THE PLANS. ENGINEER SHALL BE CONTACTED IF CONTRACTOR FINDS FIELD CONDITIONS DO NOT MATCH THE PLANS.
6. THE CONTRACTOR SHALL WASTE ALL EXCESS EARTH ON SITE AS DIRECTED BY THE ENGINEER AND OWNER.
7. ALL SITE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF FT WHITE LAND DEVELOPMENT REGULATIONS.
8. SITE CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER CONTRACTORS WITHIN PROJECT LIMITS.
9. ALL PROPOSED CONSTRUCTION SHALL CONFORM TO CURRENT FDOT STANDARD PLANS AND FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
10. ALL STORM PIPES SHALL HAVE A MINIMUM COVER OF 9" UNLESS OTHERWISE SHOWN IN THESE PLANS. LIMEROCK BACKFILL SHALL BE USED IF PIPE UNDER PAVEMENT HAS LESS THAN 12" COVER.
11. ALL SWALES, DEPRESSION AREAS AND RETENTION PONDS SHALL BE INSPECTED MONTHLY FOR SINKHOLE OCCURRENCE. SHOULD A SINKHOLE OCCUR, THE AREA SHOULD BE REPAIRED AS SOON AS POSSIBLE. IF A SINKHOLE FORMS WITHIN THE STORM WATER SYSTEM, THE SINKHOLE SHALL BE REPAIRED BY BACKFILLING WITH A LOW PERMEABILITY MATERIAL. A 2-FOOT CAP THAT EXTENDS 2 FEET BEYOND THE PERIMETER OF THE SINKHOLE SHALL BE CONSTRUCTED WITH CLAYEY SOILS. THE CLAYEY SOIL SHOULD HAVE AT LEAST 20% PASSING THE NUMBER 200 SIEVE, COMPACTED TO 95% OF STANDARD PROCTOR, AND COMPACTED IN A WET CONDITION WITH MOISTURE 2%-4% ABOVE OPTIMUM. THE CLAY SOIL CAP SHALL BE RE-GRADED TO PREVENT PONDING AND RE-VEGETATED.
12. ALL NEW TRAFFIC SIGNAGE AND PAVEMENT MARKINGS SHALL CONFORM TO THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE CURRENT FDOT STANDARD PLANS.
13. MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH CURRENT FDOT STANDARD PLANS.
14. CONTRACTOR SHALL CONTACT SRWMD AND ENGINEER OF RECORD 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
15. ANY UNSUITABLE MATERIAL (SPOTIC, CLAY, OTHER IMPERMEABLE SOILS) SHALL BE REMOVED FROM THE SURFACE WATER MANAGEMENT FACILITIES. THIS UNSUITABLE MATERIAL SHALL NOT BE USED AS FILL MATERIAL IN CONSTRUCTION OF THE BERMS. CONTRACTOR SHALL MEET WITH ENGINEER ON SITE PRIOR TO CONSTRUCTION OF SURFACE WATER MANAGEMENT FACILITY.
16. NO WETLANDS EXIST ON SITE.
17. THE PROJECT IS NOT LOCATED IN A FLOOD ZONE ACCORDING TO FEMA FLOOD MAPS.

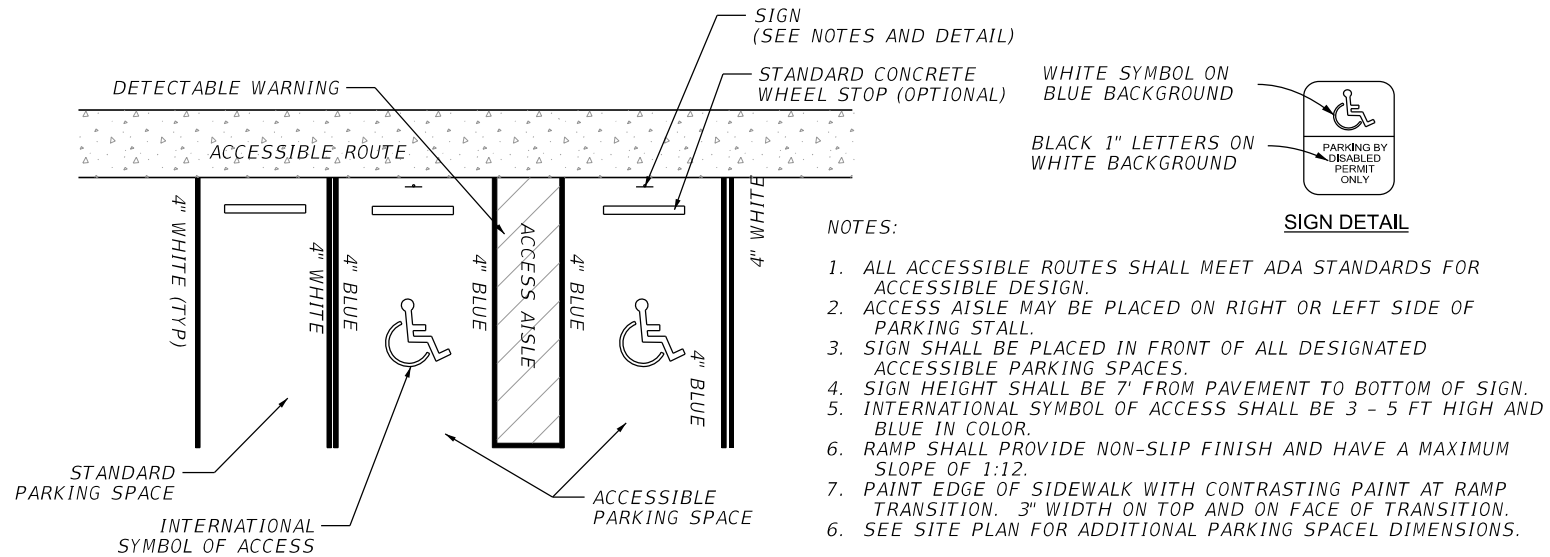
UTILITY NOTES

1. THE UTILITY PLAN AND PLAT SHOWS ALL PUBLIC UTILITY EASEMENTS (PUE'S) IN A METES AND BOUNDS FORMAT. UPON CITY'S APPROVAL OF PLANS FOR DEVELOPMENTS NOT BEING PLATTED, OWNER MAY CHOOSE TO GRANT THE METES AND BOUNDS EASEMENTS AS SHOWN, OR A BLANKET EASEMENT OVER THE ENTIRE PROPERTY. PROVIDED FACILITIES ARE INSTALLED WITHIN THE PRESCRIBED DISTANCES AS SHOWN ON THE UTILITY PLANS AND IN ACCORDANCE WITH THE UTILITY SEPARATION REQUIREMENTS TABLE IN THE TOWN OF FT WHITE W/WW/RCW DESIGN STANDARDS.
2. ALL CONSTRUCTION MATERIALS AND METHODS FOR POTABLE WATER, WASTEWATER, AND RECLAIMED WATER SYSTEMS SHALL BE IN CONFORMANCE WITH CITY OF LAKE CITY'S MOST RECENT POTABLE WATER, WASTEWATER AND RECLAIMED WATER SYSTEM DESIGN STANDARDS, AND APPROVED MATERIALS MANUAL.
3. POTABLE WATER AND WASTEWATER MAINS SHALL MAINTAIN A MINIMUM 10 FEET HORIZONTAL AND 1.5 FOOT VERTICAL SEPARATION.
4. A MINIMUM HORIZONTAL SEPARATION OF 10 FEET FOR POTABLE WATER MAINS, WASTEWATER FORCE MAINS, AND RECLAIMED WATER MAINS, AND 15 FEET FOR GRAVITY WASTEWATER MAINS SHALL BE PROVIDED AND MAINTAINED FROM TREES, BUILDINGS, TRANSFORMERS, AND ALL PERMANENT STRUCTURES. LIVE OAK TREES REQUIRE AN ADDITIONAL 5 FEET OF HORIZONTAL CLEARANCE. SERVICE LATERALS REQUIRE 5 FEET LESS CLEARANCE FOR EACH OF THE UTILITIES; NOTE THAT WATER SERVICE LATERALS SHALL BE INSTALLED WITHIN 3" SLEEVES. (SEE TOWN OF FT WHITE STANDARDS HORIZONTAL SEPARATION DISTANCES FOR PARALLEL AND PERPENDICULAR CLEARANCE FROM OTHER OBJECTS TABLE.)
5. 2" VALVES LOCATED IN PAVED AREAS, INCLUDING SIDEWALKS, SHALL BE CITY OF LAKE CITY APPROVED CAST IRON, RESILIENT SEAT GATE VALVES WITH STANDARD 2" OPERATING NUT, THREADED WITH BRASS NIPPLE BETWEEN THE VALVES AND TAPPING SADDLE OR TAPPED TEE.
6. WATER MAINS 4"IN DIAMETER AND GREATER, PLACED UNDER ROADWAYS, SHALL BE CEMENT LINED DUCTILE IRON PIPE (CLDIP) EXTENDING 5 FEET PAST THE BACK OF CURB (3 FEET WITHIN TOWN OF FT WHITE LIMITS). TRACER WIRE INSTALLED ON PVC WATER MAINS SHALL CONTINUE ACROSS THE CLDIP SECTIONS.
7. 1" AND 2"WATER SERVICE CROSSINGS LOCATED UNDER ROADWAYS SHALL BE ENCASED IN 3" SCH 40 PVC EXTENDING 5' PAST THE BACK OF CURB (3 FEET INSIDE CITY OF LAKE CITY LIMITS).
8. ANCHORING TEES, COUPLINGS, AND BENDS SHALL BE USED ON ALL FIRE HYDRANT ASSEMBLIES.
9. ALL PRESSURIZED MAIN FITTINGS SHALL BE MECHANICAL JOINT WITH RESTRAINED JOINT GLANDS; A SUFFICIENT LENGTH OF THE PIPE CONNECTED TO THE FITTINGS SHALL BE MECHANICALLY RESTRAINED TO PROVIDE REACTION AS SPECIFIED ON THE RESTRAINED JOINT STANDARD IN THE CONSTRUCTION DETAILS OF THE CITY OF LAKE CITY STANDARDS. CALCULATIONS FOR REQUIRED RESTRAINT LENGTH MUST BE PROVIDED IF THE SPECIFIED RESTRAINT LENGTH, DUE TO SOIL TYPE OR DEPTH OF COVER, DIFFERS FROM THOSE PROVIDED ON THESE DETAILS.
10. ALL SANITARY WASTEWATER SERVICE LATERALS SHALL BE MIN. 4"DIAMETER PVC (SDR 35) AT 1.00% MIN. SLOPE UNLESS OTHERWISE LABELED.
11. WASTEWATER CLEANOUT COVERS LOCATED WITHIN PAVEMENT AND SIDEWALKS ADJACENT TO PAVED AREAS SHALL BE RATED FOR TRAFFIC LOAD BEARING. WASTEWATER CLEANOUT COVERS IN OTHER SIDEWALKS/WALKWAYS SHALL BE BRASS WITH A SQUARE RECESS.
12. MANHOLES WHICH ARE NOT INSTALLED UNDER PAVEMENT SHALL HAVE A RIM ELEVATION AT LEAST 6"ABOVE FINISHED GRADE, AND A 10:1 SLOPE TO FINISHED GRADE.
13. UNLESS OTHERWISE NOTED ON THE PLANS, THE FINISHED FLOOR ELEVATIONS OF BUILDINGS SHALL BE A MINIMUM OF 6"ABOVE THE LOWEST UPSTREAM MANHOLE TOP. IF THIS IS INFEASIBLE, A WASTEWATER SERVICE LATERAL BACKWATER VALVE (BWV) IS REQUIRED ON THE CUSTOMER SIDE OF THE CLEANOUT.
14. WHEN A POTABLE OR RECLAIMED WATER MAIN, OR A WASTEWATER FORCE MAIN IS ROUTED WITHIN 10 FT. OF AN ELECTRIC TRANSFORMER, A 20 FT. LENGTH OF DIP SHALL BE CENTERED ON THE TRANSFORMER WITH MECHANICAL RESTRAINT AT EACH END. NO FITTINGS OR VALVES SHALL OCCUR WITHIN 10 FT. OF THE NEAREST EDGE OF THE TRANSFORMER. A MINIMUM CLEARANCE OF 3' SHALL BE MAINTAINED BETWEEN THE MAIN AND THE TRANSFORMER.
15. ALL EXISTING UTILITIES SHALL BE LOCATED PRIOR TO BEGINNING WORK. THIS INCLUDES VERIFYING LOCATION (HORIZONTAL AND VERTICAL) AT ANY CONNECTION POINT OF THE EXISTING UTILITY. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES EXISTING BETWEEN THE CONSTRUCTION PLANS AND ACTUAL FIELD CONDITIONS. EXISTING UTILITIES SHOWN IN THESE PLANS ARE APPROXIMATE ONLY AND SHALL BE VERIFIED IN THE FIELD BY NON-DESTRUCTIVE METHODS.

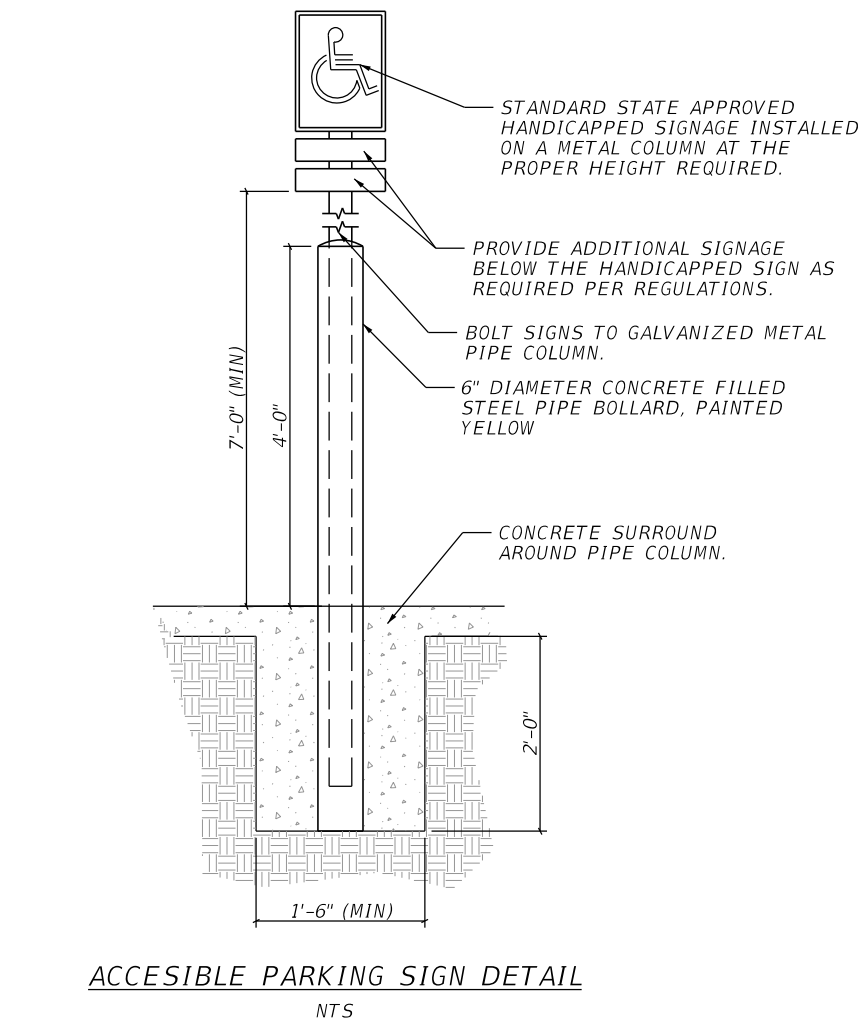
UTILITY NOTES CONT.

16. CONTRACTOR SHALL REVIEW AND BECOME FAMILIAR WITH ALL REQUIRED CITY CONNECTIONS PRIOR TO BIDDING. CONTRACTOR SHALL PROVIDE ALL WORK AND MATERIALS REQUIRED TO COMPLETE CONNECTION TO THE EXISTING UTILITIES. THIS INCLUDES, BUT IS NOT LIMITED TO, MANHOLE CORING, WET TAPS, PAVEMENT REPAIRS AND DIRECTIONAL BORING.
17. CONTRACTOR SHALL CONTACT THE TOWN OF FT WHITE (386.466.3359) PRIOR TO BEGINNING WORK TO COORDINATE INSPECTION OF UTILITY CONNECTIONS.
18. EXISTING WATER SHOULD REMAIN IN SERVICE DURING CONSTRUCTION. THE CITY OF LAKE CITY SHALL BE NOTIFIED IN THE EVENT INTERRUPTIONS TO SERVICE ARE REQUIRED.
19. ALL NEW AND RELOCATED WATER MAIN PIPES, FITTINGS, APPURTENANCES AND PACKING AND JOINT MATERIALS SHALL CONFORM TO APPLICABLE AMERICAN WATER WORKS ASSOCIATION (AWWA) STANDARDS AND/OR MANUFACTURERS RECOMMENDATIONS.
20. SUFFICIENT VALVES SHALL BE PROVIDED IN NEW AND RELOCATED WATER MAINS TO MINIMIZE INCONVENIENCE AND SANITARY HAZARDS DURING REPAIRS.
21. AT HIGH POINTS WHERE AIR CAN ACCUMULATE IN NEW AND RELOCATED WATER MAINS, AIR RELEASE VALVES SHALL BE PROVIDED TO REMOVE AIR.
22. AUTOMATIC AIR RELEASE VALVES ON NEW AND RELOCATED WATER MAINS SHALL NOT BE LOCATED WHERE FLOODING OF THE VALVE MANHOLE OR CHAMBER COULD OCCUR.
23. HYDRANT DRAINS, FLUSHING DEVICES, AIR RELEASE VALVES OR CHAMBERS, MANHOLES CONTAINING VALVES, BLOW-OFFS, METERS, AIR CONDITIONING CONDENSATE WATER DRAIN LINES OR OTHER APPURTENANCES PROVIDED IN CONJUNCTION WITH NEW AND RELOCATED WATER MAINS SHALL NOT BE CONNECTED DIRECTLY TO ANY SANITARY OR STORM SEWER.
24. STONES FOUND IN TRENCHES FOR NEW AND RELOCATED WATER AND SANITARY SEWER MAINS SHALL BE REMOVED TO A DEPTH OF AT LEAST SIX INCHES BELOW THE BOTTOM OF PIPE. CONTINUOUS AND UNIFORM BEDDING SHALL BE PROVIDED IN THESE TRENCHES. THIS BACKFILL MATERIAL SHALL BE TAMPED IN LAYERS AROUND PIPE TO A SUFFICIENT HEIGHT ABOVE PIPE TO ADEQUATELY SUPPORT AND PROTECT THE PIPE.
25. ALL TEES, BENDS, PLUGS, AND HYDRANTS IN NEW AND RELOCATED WATER MAINS SHALL BE PROVIDED WITH RESTRAINED JOINTS TO PREVENT MOVEMENT. EBAA MEGALUG MECHANICAL JOINT RESTRAINTS OR APPROVED ALTERNATIVE (NOT THRUST BLOCKS) SHALL BE USED WITH MANUFACTURERS RECOMMENDATIONS. ALL RESTRAINED JOINTS SHALL BE LEFT OPEN UNTIL INSPECTED BY THE CITY.
26. A 24" MINIMUM COVER SHALL BE PROVIDED ABOVE ANY NEW OR RELOCATED WATER OR WASTEWATER MAIN CROSSING UNDER ANY SURFACE WATER. PROVIDE THE FOLLOWING FEATURES IF WIDTH OF SURFACE WATER IS GREATER THAN 15' AT THIS CROSSING:
 - A) FLEXIBLE WATER TIGHT JOINTS THROUGHOUT THE CROSSING
 - B) EASILY ACCESSIBLE VALVES LOCATED IN A MANHOLE
 - C) PERMANENT TAPS ON EACH SIDE OF VALVE WITHIN THE MANHOLE TO ALLOW FOR SAMPLING AND INSERTION OF A SMALL METER TO DETERMINE LEAKAGE
27. PROPER BACKFLOW PREVENTION SHALL BE PROVIDED IN ACCORDANCE WITH RULE 62-555.360 F.A.C. (CROSS-CONNECTION CONTROL FOR PUBLIC WATER SYSTEMS).
28. THIS PROJECT SHALL NOT INCLUDE ANY INTERCONNECTION BETWEEN PREVIOUSLY SEPARATE PUBLIC WATER SYSTEMS HAVING SEPARATE WATER SUPPLY SOURCES.
29. ANY NEW AND RELOCATED WATER LATERALS SHALL CROSS ABOVE SANITARY SEWER PIPE OR PROVIDE PROTECTION TO PREVENT CONTAMINATION AS REQUIRED BY FDEP AND OTHER APPLICABLE STANDARDS.
30. CONTRACTOR SHALL PROVIDE AN AS-BUILT SURVEY FOR WATER AND SANITARY SEWER EXTENSIONS.
31. CONTRACTOR SHALL PROVIDE 10 AWG TRACER WIRE ABOVE ALL NEW AND RELOCATED WATER AND SANITARY SEWER MAINS.
32. LOCATOR DEVICES SHALL BE PROVIDED AT WATER AND SANITARY SEWER TAP LOCATIONS.
33. WHEN CONNECTING WASTEWATER TO AN EXISTING MANHOLE: CORE DRILL MANHOLE FOR INSTALLATION OF WASTEWATER PIPE. INSTALL PIPE WITH KOR-N-SEAL OR EQUAL BOOT. GROUT ANNULAR SPACE WITH NON-SHRINK GROUT. COORDINATE WITH CITY OF LAKE CITY INSPECTOR 48 HOURS IN ADVANCE.

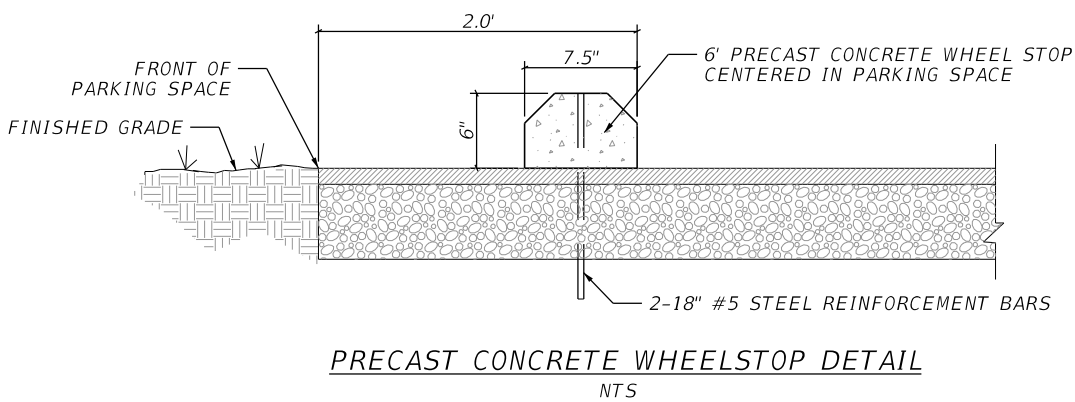
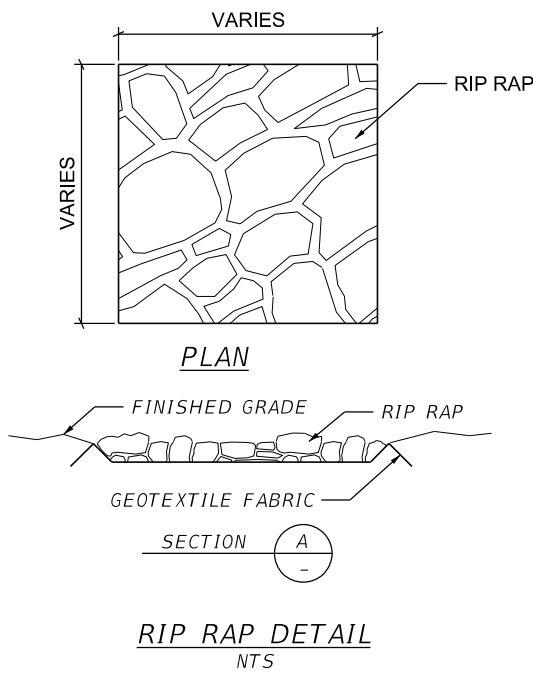
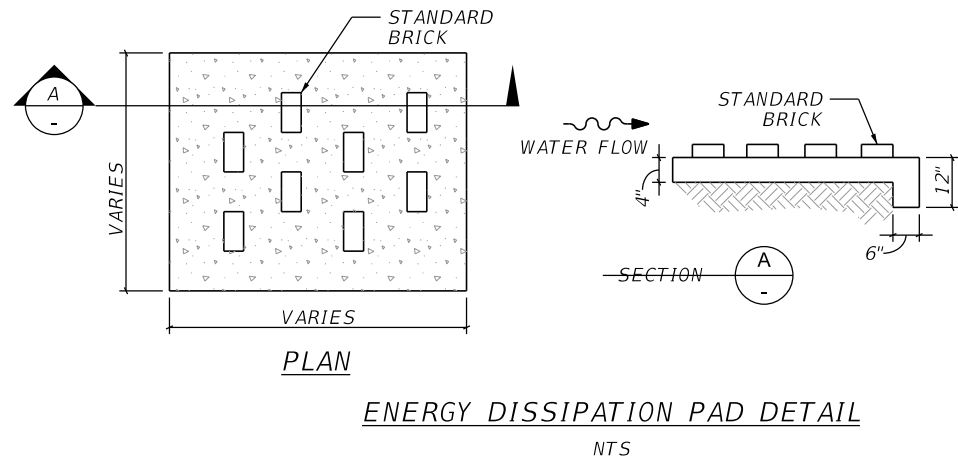
REVISIONS		 <p>CES Crews Engineering Services, LLC</p>	<p>CERTIFICATE OF AUTHORIZATION NO. 28022</p> <p>349 SW CREWS FARM TERRACE LAKE CITY, FL 32025 PHONE: 386.623.4303</p>	<p>Brett A. Crews, P.E. 65592</p>	<p><i>FORT WHITE COMMUNITY THRIFT SHOP SITE</i></p>	<p><i>GENERAL NOTES</i></p>	SHEET
DATE	DESCRIPTION				<p>CES PROJECT NO.: 2019-03</p>		DET 1

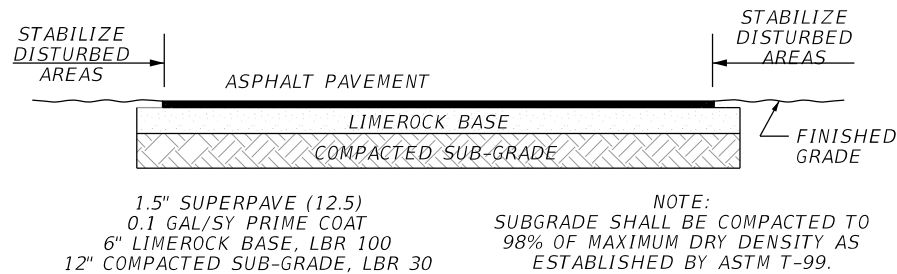


TYPICAL OFF-STREET PARKING DETAIL
NTS



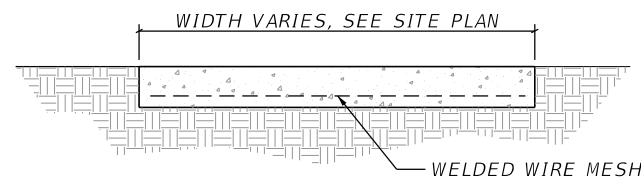
STRIPING LEGEND	
YELLOW CURBING AND BOLLARDS - PARKING LOT	SURFACES SHOULD BE CLEAN, DRY AND METAL SURFACES FREE OF HEAVY RUST 2 COATS SHERWIN WILLIAMS - KEM 4000 ACRYLIC ALKYD ENAMEL SAFETY YELLOW B55Y300
STRIPING - PARKING LOT	SURFACES SHOULD BE CLEAN, DRY. TOP COAT SHERWIN WILLIAMS - PRO MAR TRAFFIC MARKING PAINT WHITE TM5494
ACCESSIBLE STRIPING - PARKING LOT	SURFACES SHOULD BE CLEAN, DRY. TOP COAT SHERWIN WILLIAMS - PRO MAR TRAFFIC MARKING PAINT "H.C." BLUE





STANDARD DUTY ASPHALT PAVEMENT SECTION

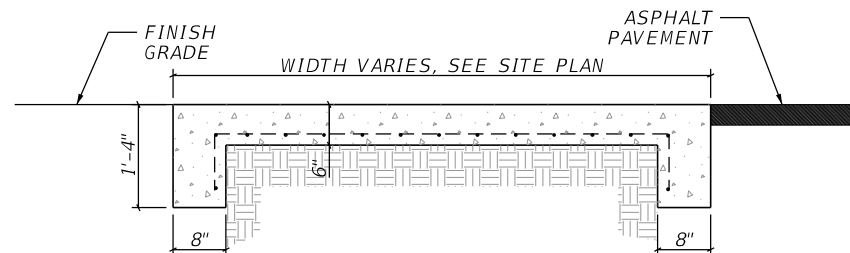
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4" THICK, 3000 PSI CONCRETE
REINFORCED WITH 6x6x10/10 WELDED WIRE MESH
PROVIDE 1/8"-1/4" CONTRACTION JOINTS
AT 10' CENTERS (MAXIMUM)

TYPICAL CONCRETE SIDEWALK DETAIL

NTS

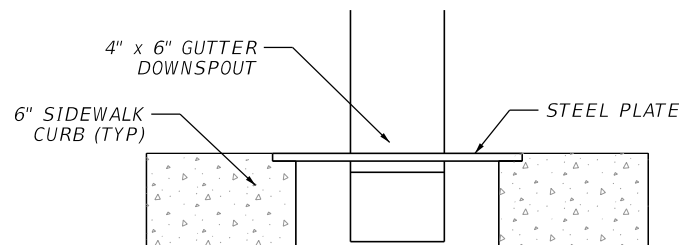


3000 PSI CONCRETE
4 BARS @ 12" O.C. (TOP AND BOTTOM)
12" STABILIZED SUBGRADE, LBR 30
COMPACT TO 98% MODIFIED PROCTOR

*** REMOVE ALL UNSUITABLE SOILS (MUCK OR CLAY)
TO 12" BELOW BOTTOM OF STABILIZED SUBGRADE

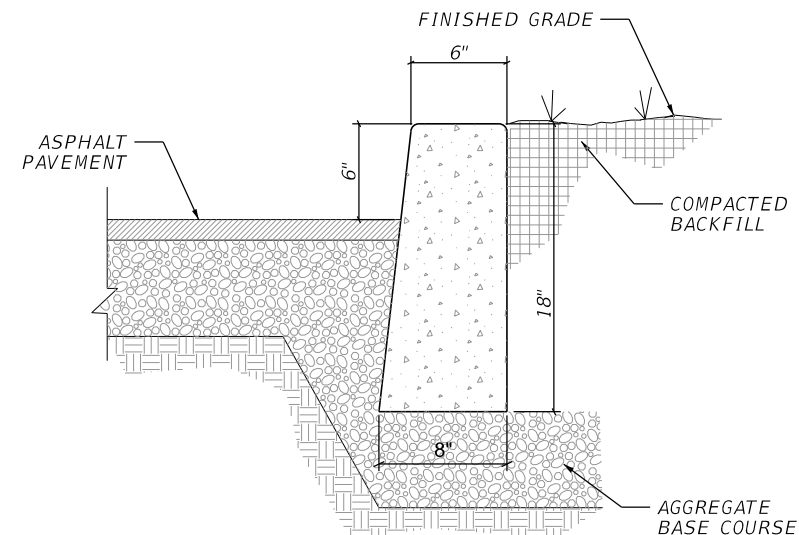
TYPICAL CONCRETE DUMPSTER/LOADING PAD DETAIL

NTS



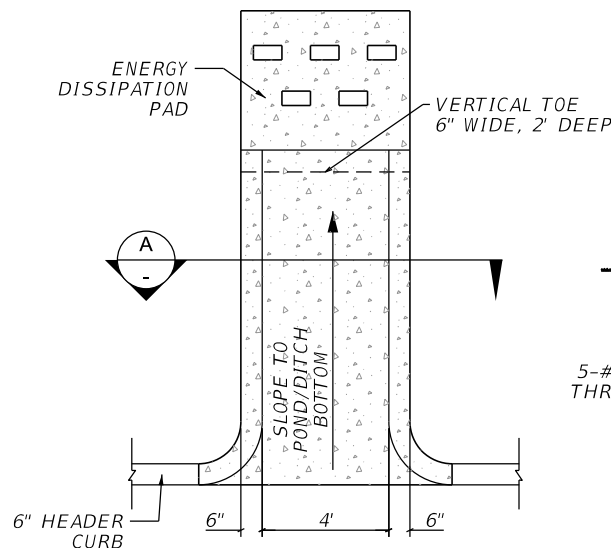
GUTTER DOWNSPOUT AT SIDEWALK DETAIL

NTS

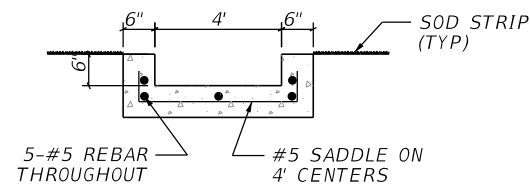


HEADER CURB DETAIL

NTS



PLAN



PROVIDE 1/8"-1/4" CONTRACTION JOINTS 10' CENTERS MAXIMUM.

2500 PSI CONCRETE
W/ FIBER MESH

SECTION A-A

CONCRETE FLUME DETAIL

NTS

REVISIONS	
DATE	DESCRIPTION

CES
Crews Engineering Services, LLC

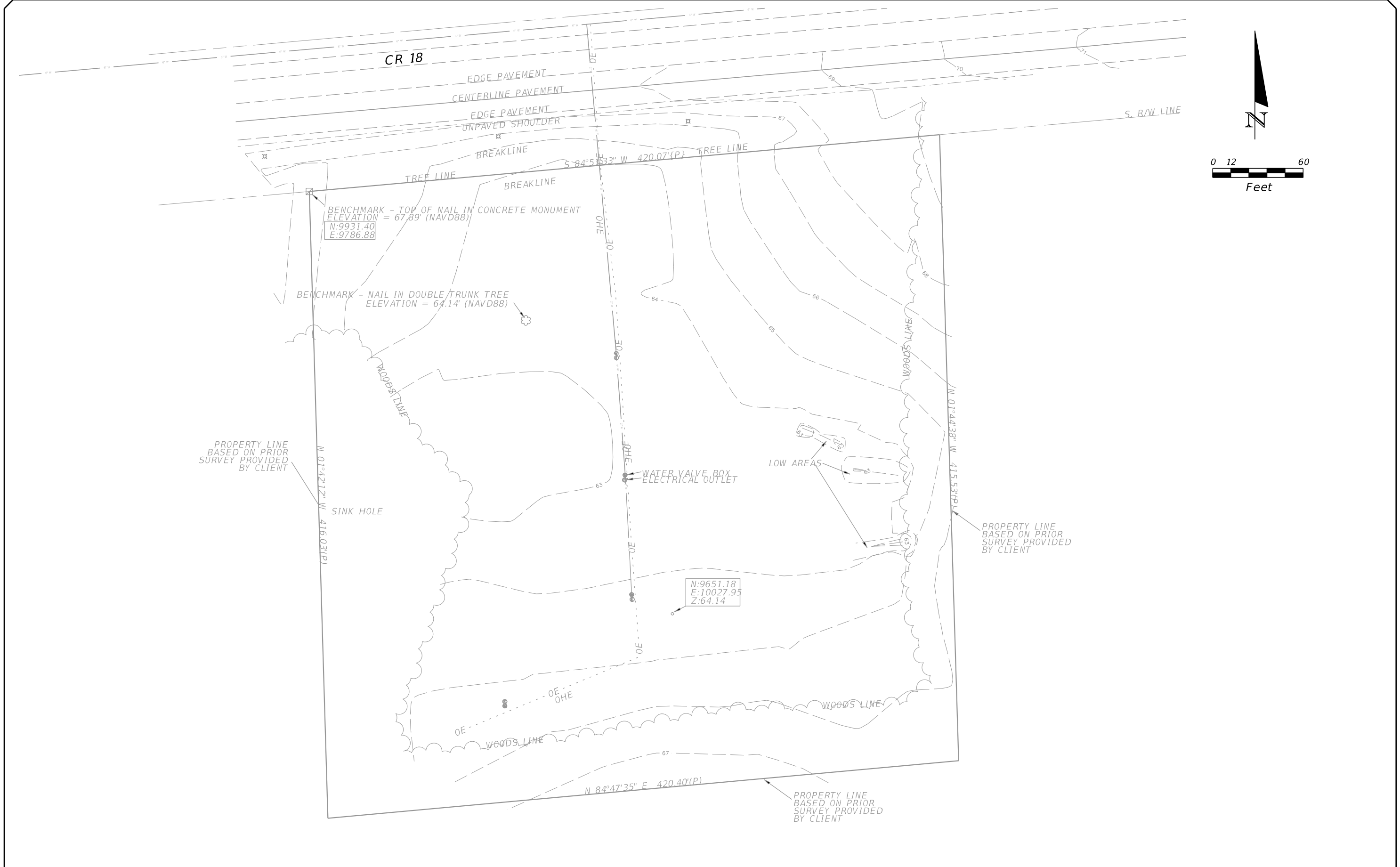
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349 SW CREWS FARM TERRACE
LAKE CITY, FL 32025
PHONE: 386.623.4303

Brett A. Crews, P.E. 65592

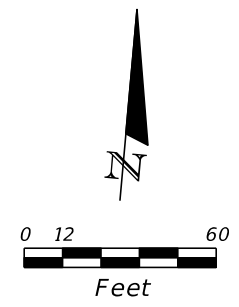
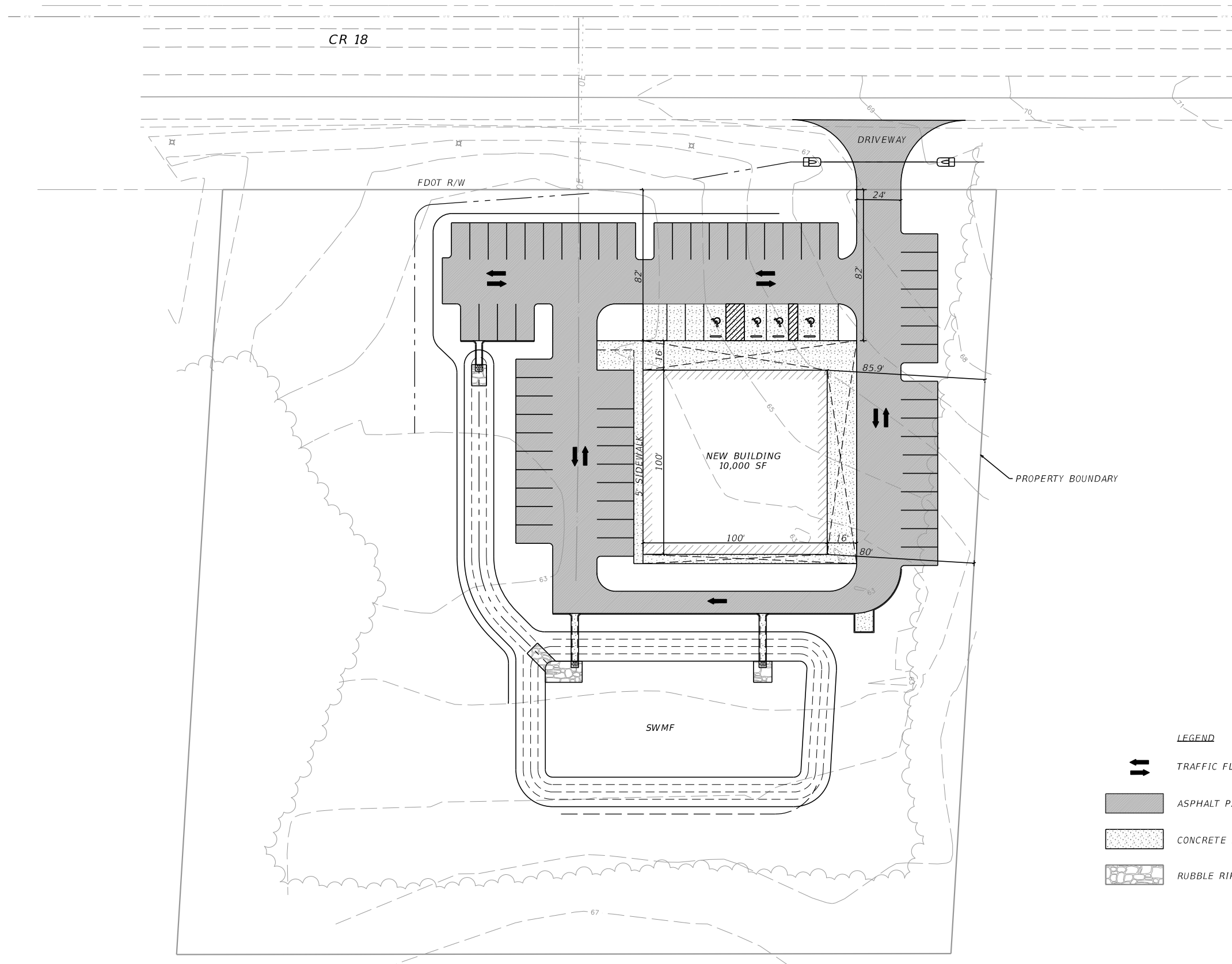
FORT WHITE COMMUNITY
THRIFT SHOP SITE
CES PROJECT NO.: 2019-03

MISCELLANEOUS NOTES
AND DETAILS

SHEET
DET 4

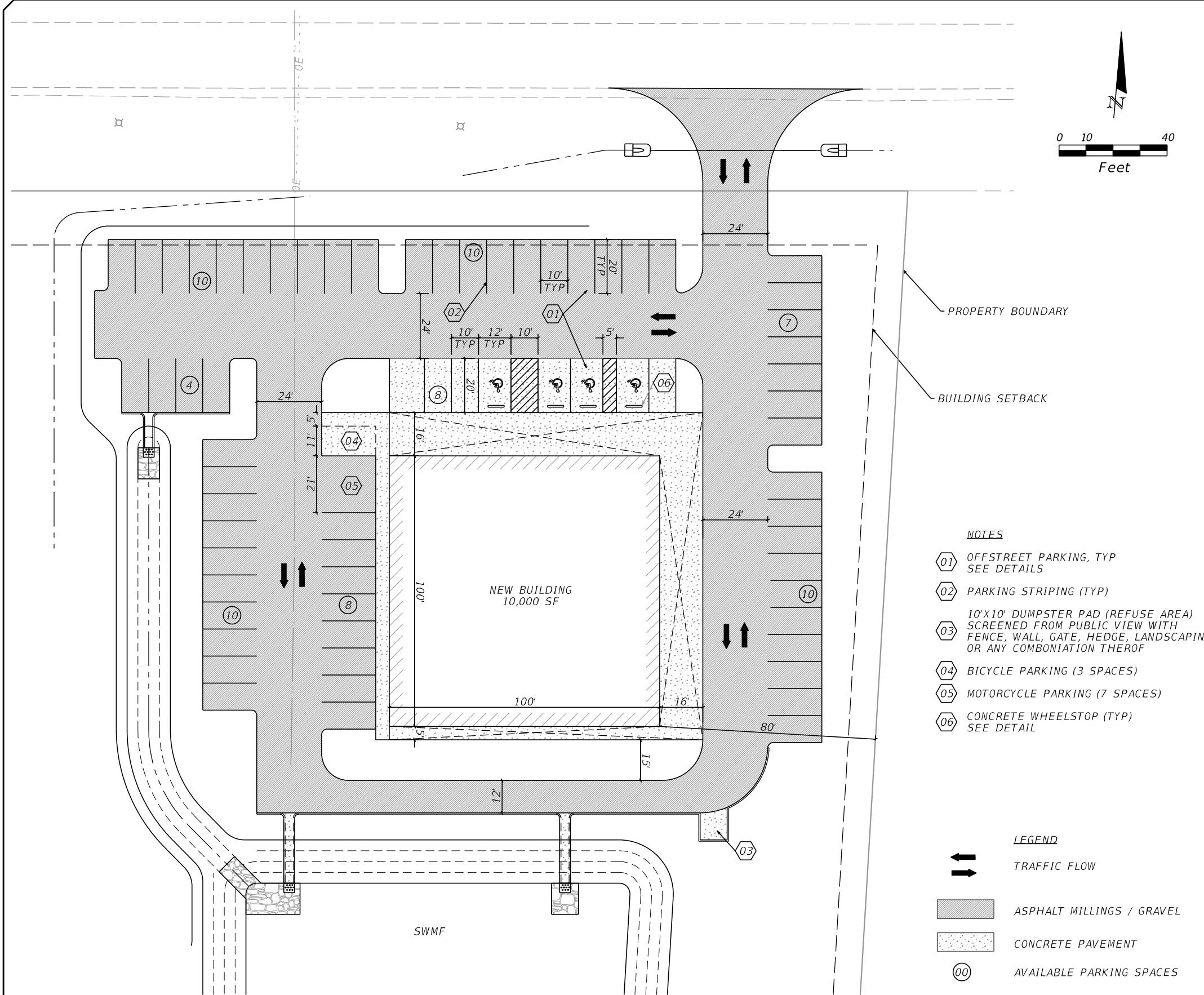


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DATE	DESCRIPTION						



- LEGEND**
- TRAFFIC FLOW
 - ASPHALT PAVEMENT
 - CONCRETE PAVEMENT
 - RUBBLE RIP RAP, DITCH LINING

REVISIONS		<div>CES</div> <div>Crews Engineering Services, LLC</div>	CERTIFICATE OF AUTHORIZATION NO. 28022 349 SW CREWS FARM TERRACE LAKE CITY, FL 32025 PHONE: 386.623.4303	Brett A. Crews, P.E. 65592	FORT WHITE COMMUNITY THRIFT SHOP SITE	OVERALL SITE PLAN	SHEET
DATE	DESCRIPTION				CES PROJECT NO.: 2019-03		SIT2



GENERAL PROJECT INFORMATION

PARCEL #: 34-6S-16-04059-003
FUTURE LAND USE: COMMERCIAL
ZONING: COMMERCIAL GENERAL (CG)

DEVELOPMENT DATA
TOTAL SITE AREA = 174,409 SF = 4.0 ACRES

PROPOSED CONDITIONS IMPERVIOUS AREAS
BUILDING = 10,000 SF
CONCRETE PAVEMENT = 7,100 SF
ASPHALT MILLINGS = 28,500 SF

TOTAL PROPOSED IMPERVIOUS AREA = 45,600 SF
(26.1% SITE AREA)

FAR = 16,500 SF / 174,409 SF = .037

MINIMUM BUILDING/YARD SETBACKS PER LDC
FRONT YARD = 20' REAR YARD = 10'
SIDE YARD = 10'

BOUNDARY AND TOPOGRAPHICAL
THE BOUNDARY AND TOPOGRAPHICAL INFORMATION SHOWN
IN THESE PLANS IS BASED ON A SURVEY BY
JOHN C. DRIGGERS, PROFESSIONAL SURVEYOR AND MAPPER

ELEVATION BASED ON NAVD88 DATUM

UTILITIES

WATER SERVICE:
TO BE PROVIDED BY CONNECTION TO EXISTING
TOWN OF FORT WHITE PUBLIC WATER SYSTEM SERVICE

WASTEWATER SERVICE:
TO BE PROVIDED BY ONSITE WASTEWATER TREATMENT SYSTEM
DESIGN AND PERMITTING BY OTHERS

FIRE PROTECTION:
TO BE PROVIDED BY NEW FIRE HYDRANT ALONG CR 18

ELECTRIC SERVICE:
TO BE PROVIDED BY CONNECTION TO EXISTING
CLAY ELECTRIC SYSTEM ALONG CR 18

DRAINAGE

THE PROPOSED STORM WATER MANAGEMENT
SYSTEM WILL MEETS THE REQUIREMENTS OF THE
SRWMD AS A DRY RETENTION SYSTEM

PARKING CALCULATIONS

AUTOMOBILE PARKING
RETAIL SALES AND SERVICES:
ONE SPACE PER 150 SF OF FLOOR AREA
REQUIRED AUTOMOBILE PARKING =
10,000 SF / 150 = 67 SPACES

AVAILABLE STANDARD AUTOMOBILE PARKING = 63 SPACES

ACCESSIBLE PARKING:
1 PER 25 REQUIRED = 3 SPACES

AVAILABLE ACCESSIBLE PARKING = 4 SPACES

BICYCLE PARKING
1 SPACE PER 20 REQUIRED AUTOMOBILE PARKING =
67 SPACES / 20 = 3 SPACES

MOTORCYCLE PARKING
1 SPACE PER 10 REQUIRED AUTOMOBILE PARKING =
67 SPACES / 10 = 7 SPACES

REVISIONS	
DATE	DESCRIPTION



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Brett A. Crews, P.E. 65592

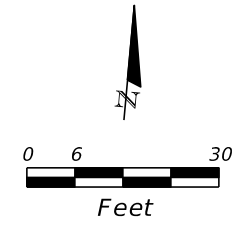
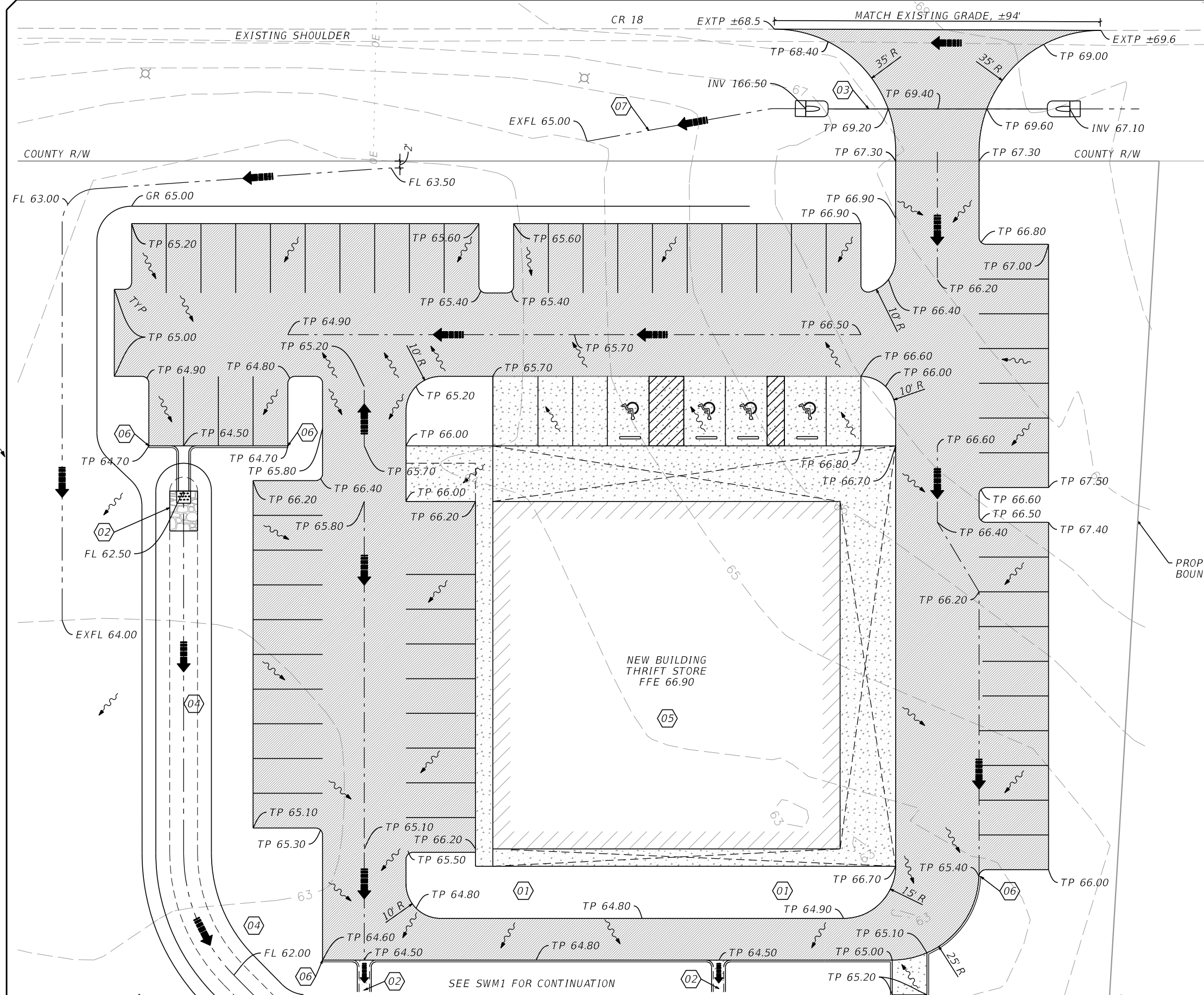
FORT WHITE COMMUNITY
THRIFT SHOP SITE

CES PROJECT NO.: 2019-03

SITE PLAN

SHEET


SIT2



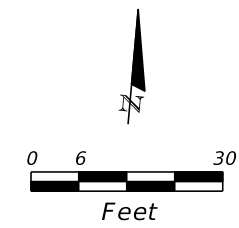
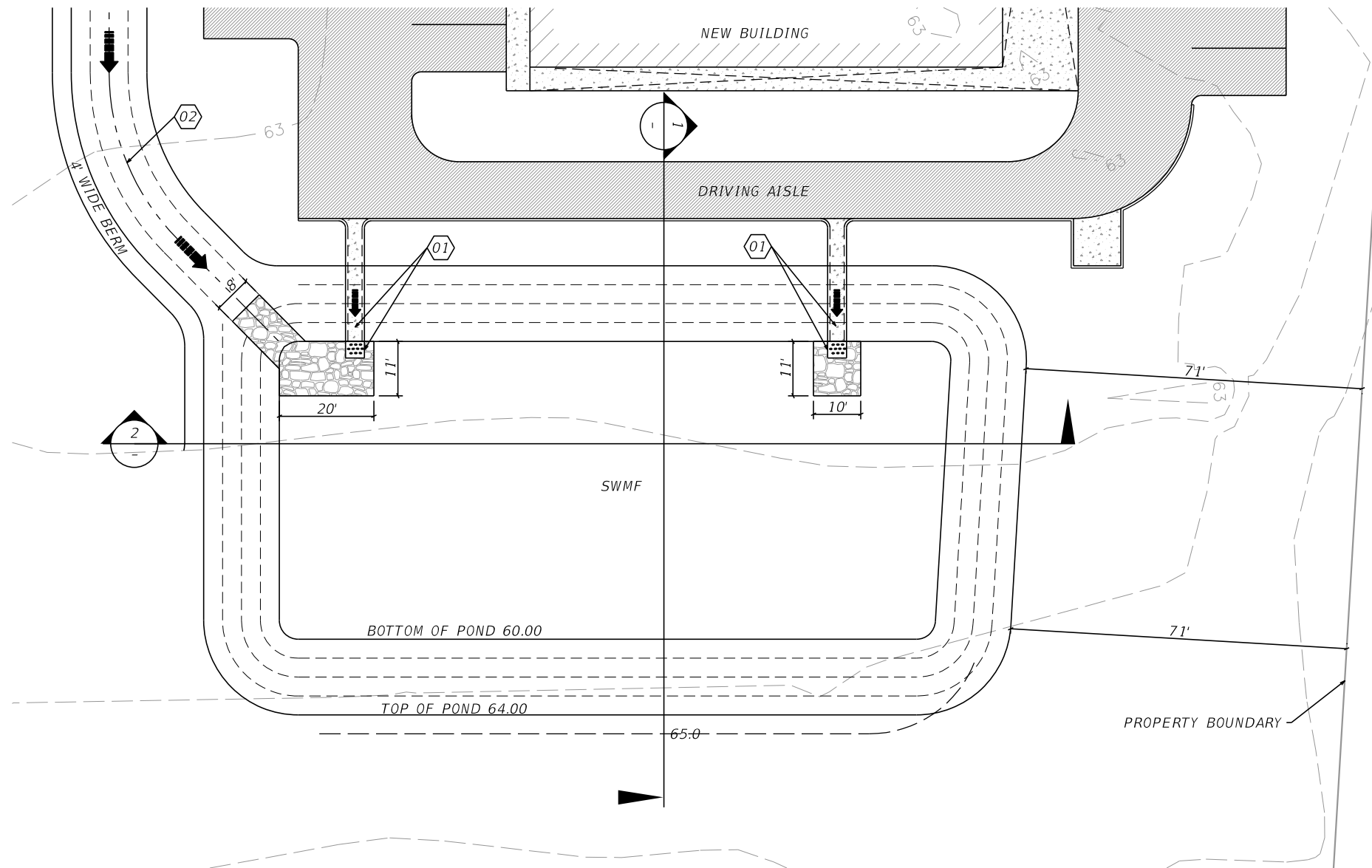
- NOTES
- 01 NON PAVED AREAS WITHIN 6' OF BUILDING AND PAVED AREAS SHALL HAVE A GRADED SLOPE AWAY FROM BUILDING BETWEEN 2% AND 12.5%
 - 02 CONCRETE FLUME SLOPE TO POND BOTTOM
 - 03 SWP-1, 18" PIPE (SD) WITH MES, 76 LF
 - 04 DRAINAGE SWALE, SLOPE TO BOTTOM OF POND SEE DETAILS
 - 05 ROUTE RUNOFF FROM ROOF TO STORMWATER MANAGEMENT SYSTEM
 - 06 6" HEADER CURB, ±255 LF (TOTAL)
 - 07 REGRADE ROADSIDE DITCH TO ENSURE POSITIVE DRAINAGE 1V:4H MAX FRONT SLOPES SOD ALL DISTURBED AREAS

- TOP OF PAVEMENT EL
- TS 00.00
- TOP OF SIDEWALK EL
- GROUND EL
- ~ SHEET FLOW
- == CHANNEL FLOW
- [Stippled Box] CONCRETE PAVEMENT, SEE DETAILS
- [Hatched Box] ASPHALT PAVEMENT
- [Cross-hatched Box] RUBBLE RIP RAP, SEE DETAIL

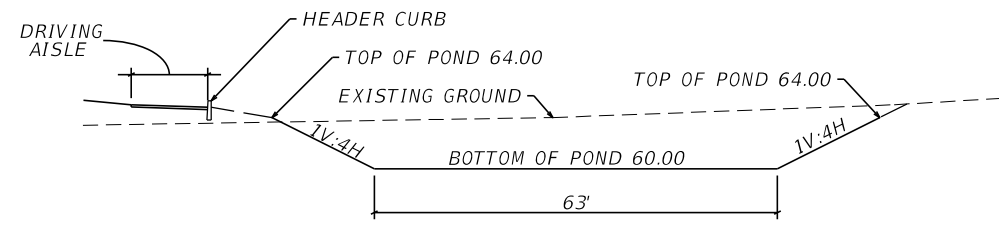
REVISIONS		DATE			DESCRIPTION	SHEET
DATE	DESCRIPTION					

 CES Crews Engineering Services, LLC	CERTIFICATE OF AUTHORIZATION NO. 28022 349 SW CREWS FARM TERRACE LAKE CITY, FL 32025 PHONE: 386.623.4303	Brett A. Crews, P.E. 65592	FORT WHITE COMMUNITY THRIFT SHOP SITE CES PROJECT NO.: 2019-03	PAVING AND DRAINAGE PLAN	

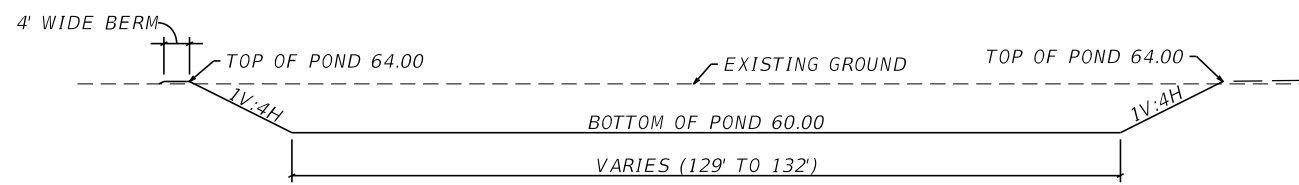
PAV1



- NOTES**
- 01 CONCRETE FLUME WITH ENERGY DISSIPATION PAD
SLOPE TO AND TERMINATE AT POND BOTTOM
 - 02 DRAINAGE SWALE
SLOPE TO AND TERMINATE AT POND BOTTOM
SEE DETAIL
 - 03 RUBBLE RIP RAP
MATCH FL AND SIDE SLOPES
OF DRAINAGE SWALE
SEE DETAIL

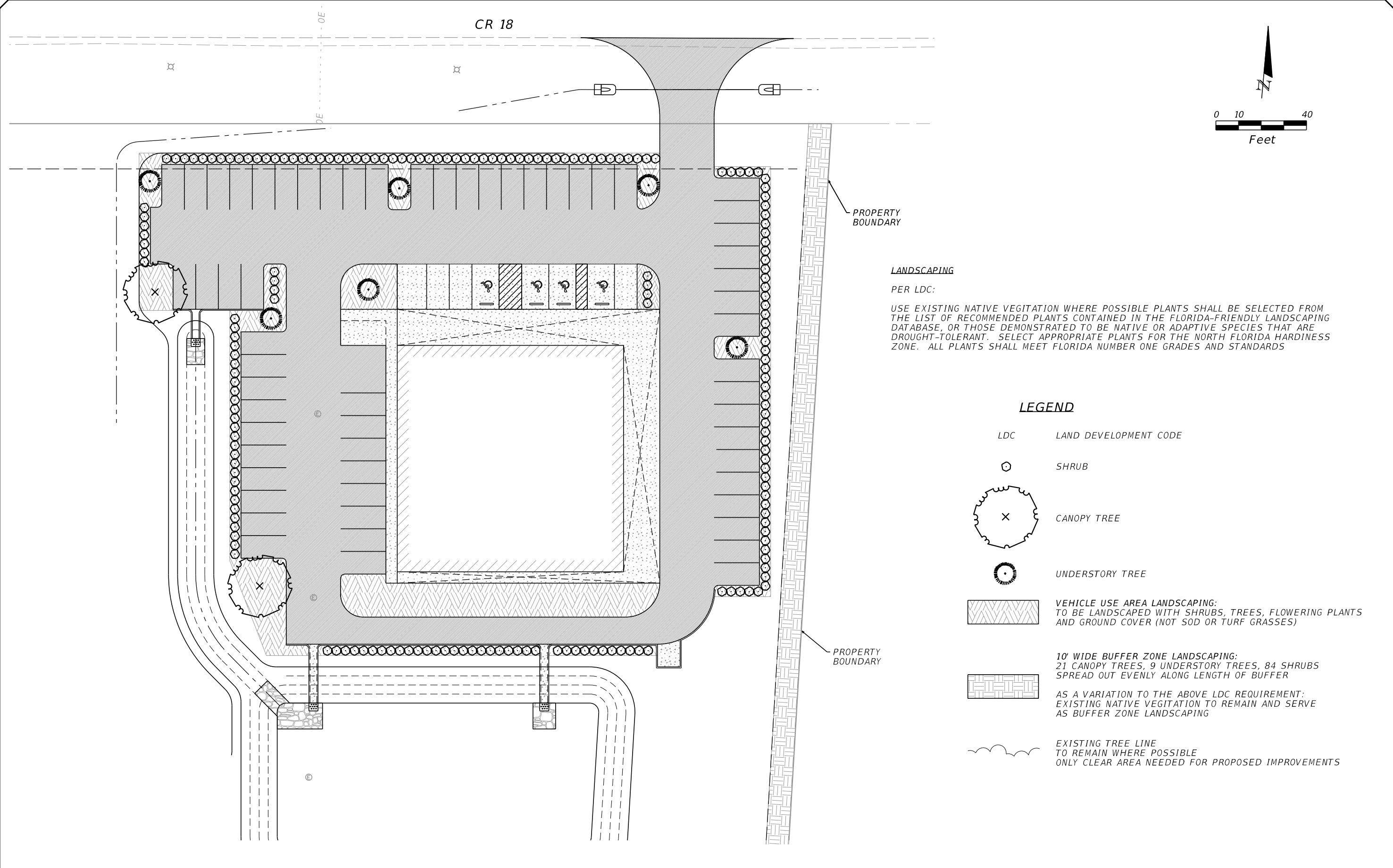


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SWMF SECTION
NTS

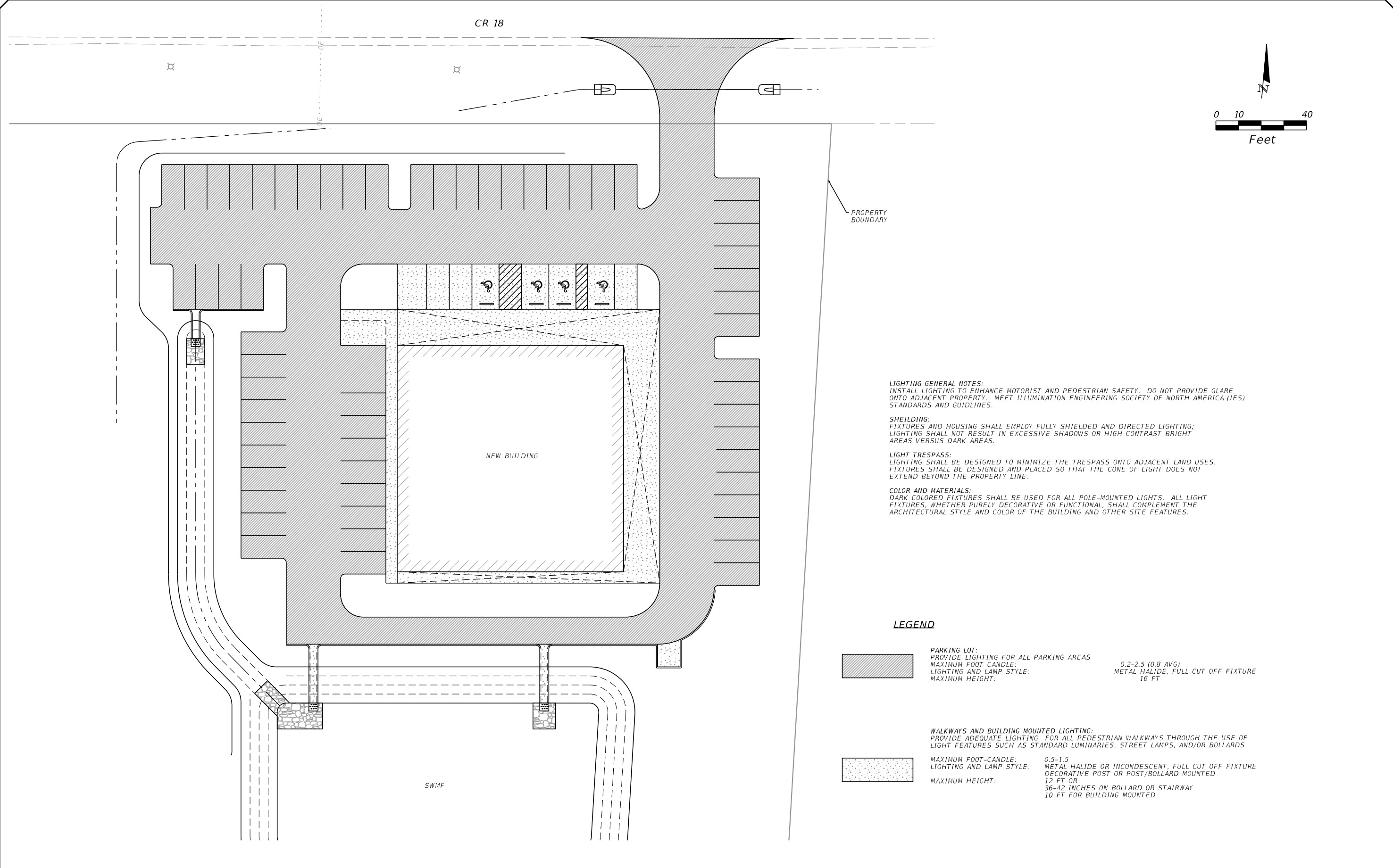


2
-
SWMF SECTION
NTS

REVISIONS		<div>CES</div> <div>Certificate of Authorization NO. 28022</div> <div>349 SW CREWS FARM TERRACE LAKE CITY, FL 32025 PHONE: 386.623.4303</div>			FORT WHITE COMMUNITY THRIFT SHOP SITE		SURFACE WATER MANAGEMENT FACILITY PLAN AND DETAILS		SHEET	
DATE	DESCRIPTION								SWM1	
		Brett A. Crews, P.E. 65592			CES PROJECT NO.: 2019-03					



REVISIONS		DATE	DESCRIPTION	CERTIFICATE OF AUTHORIZATION NO. 28022 349 SW CREWS FARM TERRACE LAKE CITY, FL 32025 PHONE: 386.623.4303	Brett A. Crews, P.E. 65592	FORT WHITE COMMUNITY THRIFT SHOP SITE CES PROJECT NO.: 2019-03	LANDSCAPE PLAN		SHEET
							LSP1		



REVISIONS		<div><div>CES</div><div>Crews Engineering Services, LLC</div></div>	CERTIFICATE OF AUTHORIZATION NO. 28022 349 SW CREWS FARM TERRACE LAKE CITY, FL 32025 PHONE: 386.623.4303	Brett A. Crews, P.E. 65592	FORT WHITE COMMUNITY THRIFT SHOP SITE	LIGHTING PLAN	SHEET
DATE	DESCRIPTION				CES PROJECT NO.: 2019-03		LTG1

THE FOLLOWING NARRATIVE OF THE STORMWATER POLLUTION PREVENTION PLAN CONTAINS REFERENCES TO THE FDOT SPECIFICATIONS, THE FDOT STANDARD PLANS, EROSION & SEDIMENT CONTROL MANUAL (E&SC) AND OTHER SHEETS OF THESE CONSTRUCTION PLANS.

THE COMPLETE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) INCLUDES SEVERAL ITEMS:

- * THIS NARRATIVE DESCRIPTION AND DOCUMENTS REFERENCED IN THIS NARRATIVE
 - * THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN REQUIRED BY FDOT SPECIFICATION SECTION 104
 - * REPORTS OF INSPECTIONS MADE DURING CONSTRUCTION
 - * CONTRACTORS AND SUBCONTRACTORS SIGNED CERTIFICATIONS OF SWPPP
- THE SWPPP MUST BE KEPT CURRENT AND UPDATED WITHIN 7 CALENDAR DAYS OF THE EVENT. ALL CHANGES MUST BE SIGNED, DATED KEPT AS ATTACHMENTS TO THE ORIGINAL SWPPP AND POSTED ON THE PROJECT BULLETIN BOARD.

1.0 SITE DESCRIPTION:
1. A. DESCRIPTION OF CONSTRUCTION ACTIVITY:
LOCATED ON SR 207 IN ST. JOHNS COUNTYT FROM MP 3.139 (NEAR COWPIN BRANCH RD. INTERSECTION) TO MP 10.406 (BEGINING OF CURB & GUTTER). THIS PROJECT CONSISTS OF MILLING AND RESURFACING TRAVEL LANES, SHOULDERS, TURN LANES, CROSS OVERS, AND SIDE STREETS.

1. B. MAJOR SOIL DISTURBING ACTIVITIES
CLEARING AND GRUBBING ENTIRE SITE, PIPE INSTALATION

1. C. AREA ESTIMATES
TOTAL SITE AREA (ACRES): 1.50 AC
TOTAL AREA TO BE DISTURBED (ACRES): 1.50 AC

1. D. RUNOFF DATA

BEFORE: WOODED
AFTER: 70% IMPERVIOUS

RECEIVING WATER NAME:
LOCAL RETENTION POND THEN ALLIGATOR LAKE

1. E. SITE MAP
THE CONSTRUCTION PLANS ARE BEING USED AS THE SITE MAP. IF AN ADDITIONAL MAP WITH CONTOUR INFORMATION IS REQUIRED, PROVIDE THE APPROPRIATE USGS QUADRANGLE MAP FOR THIS PURPOSE.

FLAG SENSITIVE/WETLAND AREAS NOT TO BE DISTURBED.

1. F. RECEIVING WATERS
WATER IS PRIMARILY CONVEYED BY:
SHEET FLOW, SWALE, PIPE TO EXISTING RETENTION POND

2.0 CONTROLS
2.A. EROSION AND SEDIMENT CONTROLS
EROSION AND SEDIMENT CONTROL MEASURES, AT A MINIMUM, SHALL BE PLACED:

- * TO PROTECT RECEIVING WATERS
- * IN LOCATIONS WHERE THERE IS NO DITCH BACK SLOPE
- * AT ALL INLETS AND PONDS
- * ALONG THE ROADWAY AT ALL LOCATIONS WHERE THERE IS AN ADJACENT WETLAND

2.A.1. STABILIZATION PRACTICES
DESCRIBE THE STABILIZATION PRACTICES PROPOSED TO CONTROL EROSION. INITIATE ALL STABILIZATION MEASURES AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS. IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED.

BACKFILL AND STABILIZE WITH SOD WITHIN 48 HOURS OF COMPLETION OF THE CURING PERIOD FOR BOX CULVERTS / EXTENSIONS AND FOR ALL CROSS DRAINS OR OUTFALL MODIFICATIONS.

MAINTAIN DRAINAGE UNTIL PERMANENTLY STABILIZED

WHEN EMBANKMENT EXCEEDS TEN FEET OR GREATER IN HEIGHT, STABILIZE THE SIDE SLOPES AS THE EMBANKMENT IS PLACED OR IMMEDIATELY AFTER EACH TEN FEET OF EMBANKMENT IS PLACED.

IF DIRT DAMS ARE TO BE USED, THE DAM MUST BE WRAPPED IN FILTER FABRIC OR AN EQUIVALENT MATERIAL TO PREVENT DIRT FROM BEING WASHED DOWNSTREAM DURING STORM EVENTS.

2.A.2. STRUCTURAL PRACTICES
DESCRIBE THE PROPOSED STRUCTURAL PRACTICES TO CONTROL OR TRAP SEDIMENT AND OTHERWISE PREVENT THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SEDIMENT CONTROLS SHALL BE IN PLACE BEFORE DISTURBING SOIL UPSTREAM OF THE CONTROL.

NO MATERIAL SHALL BE STOCKPILED IN EROSION PRONE AREAS.

2.B. STORMWATER MANAGEMENT
CONSTRUCT STORMWATER SYSTEMS TO CONVEY RUNOFF CONTROLLED WITH APPROVED DEVICES.
2.C. OTHER CONTROLS
2.C.1. OFF-SITE VEHICLE TRACKING AND DUST CONTROL
DESCRIBE THE PROPOSED METHODS FOR MINIMIZING OFF-SITE VEHICLE TRACKING OF SEDIMENTS AND GENERATING DUST. INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
* COVERING LOADED HAUL TRUCKS WITH TARPAULINS
* REMOVING EXCESS DIRT FROM ROADS DAILY
* USE ROADWAY SWEEPERS DURING DUST GENERATING ACTIVITIES
* STABILIZE CONSTRUCTION ENTRANCES
* SOIL TRACKING PREVENTION DEVICE

2.C.2. WASTE DISPOSAL
DESCRIBE THE PROPOSED METHODS TO PREVENT THE DISCHARGE OF SOLID MATERIALS, INCLUDING BUILDING MATERIALS, TO WATERS OF THE STATES.

2.C.3. FERTILIZERS AND PESTICIDES
DESCRIBE THE PROCEDURES FOR APPLYING FERTILIZERS AND PESTICIDES IN ACCORDANCE WITH FDOT SPECIFICATION 570.

2.C.4. TOXIC SUBSTANCES
PROVIDE A LIST OF TOXIC SUBSTANCES THAT ARE LIKELY TO BE USED ON THE JOB AND PROVIDE A PLAN ADDRESSING THE GENERATION, APPLICATION, MIGRATION, STORAGE AND DISPOSAL OF THESE SUBSTANCES.

2.C.5. SANITARY WASTE
PROVIDE AND MAINTAIN PORTABLE TOILETS. LOCATIONS APPROVED BY THE ENGINEER.

2.D. WATER QUALITY MONITORING
IF WATER QUALITY MONITORING CONDITION EXISTS IN THE PERMIT, FOLLOW ALL CONDITIONS WITHIN PERMIT. OTHERWISE, CONDUCT WATER QUALITY MONITORING DURING ALL PHASES OF CONSTRUCTION IMPACTING ANY SOURCE OF SURFACE WATER. DESIGNATE MONITORING LOCATIONS, FREQUENCY AND DEPTH; SUBMIT TO ENGINEER FOR APPROVAL.
MONITOR DISCHARGING ACTIVITIES FOR VIOLATION OF WATER QUALITY STANDARDS UNTIL TURBIDITY READINGS MEET REQUIREMENTS.

3.0. MAINTENANCE

PROVIDE A PLAN FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROLS THROUGHOUT CONSTRUCTION.

4.0. INSPECTION

PROVIDE THE ENGINEER WITH A MINIMUM OF 24 HOUR NOTICE PRIOR TO THE WEEKLY EROSION CONTROL INSPECTION REQUIRED BY FDOT SPECIFICATION 104-7.1
INSTALL AND MAINTAIN RAIN GAUGES ON THE PROJECT SITE.

5.0. NON-STORMWATER DISCHARGES
OBTAINING ALL DEWATERING PERMITS. IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES. DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION OF THESE NON-STORMWATER DISCHARGES.

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DATE	DESCRIPTION					
				CES PROJECT NO.: 2019-03		SWP1

Brett A. Crews, P.E. 65592