PROPOSED

Walmart

SUPERCENTER #3873-00

I-75 & U.S. HIGHWAY 441

ALACHUA, FLORIDA

PROJECT CONTACTS

OWNER/ DEVELOPER
WAL-MART STORES EAST, LP
2001 S.E. 10TH STREET
BENTONVILLE, ARKANSAS 72712-6489
(501) 273-4000
ATTN.: JIMI EPLEY

ENGINEER
CPH, INC.
5200 BELFORT ROAD, SUITE 220
JACKSONVILLE, FLORIDA 32256
(904) 332-0999
ATTN.: BRIAN P. CASSIDY, PE

SURVEYOR
CPH, INC.
500 WEST FULTON STREET
SANFORD, FLORIDA 32771
(407) 322-6841
ATTN.: THOMAS J. GALLOWAY, PSM

LANDSCAPE ARCHITECT
CPH, INC.
500 WEST FULTON STREET
SANFORD, FLORIDA 32771
(407) 322-6841
ATTN.: JAMES K. WINTER, RLA, CLARB

SOIL CONSULTANT
UNIVERSAL ENGINEERING SCIENCES, INC.
4475 SW 35TH TERRACE
GAINESVILLE, FLORIDA 32608
(352) 372-3392
ATTN.: EDWARDO SUAREZ

ENVIRONMENTAL CONSULTANT
UNIVERSAL ENGINEERING SCIENCES, INC.
4475 SW 35TH TERRACE
GAINESVILLE, FLORIDA 32608
(352) 372-3392
ATTN.:ANDREW T. SCHMID

WETLAND CONSULTANT
CPH, INC.
500 WEST FULTON STREET
SANFORD, FLORIDA 32771
(407) 322-6841
ATTN.: AMY WRIGHT

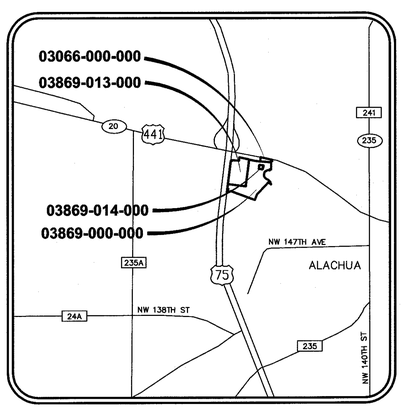
TRAFFIC CONSULTANT
TRAFFIC & MOBILITY CONSULTANTS
1507 S. HIAWASSEE ROAD, SUITE 212
ORLANDO, FLORIDA 32835
(407) 575-5439
ATTN.: MOHAMMAD ABDALLAH

PERMITTING AGENCIES
CITY OF ALACHUA
P.O. BOX 9
ALACHUA, FLORIDA 32616-0009
(386) 462-1231
ATTN.: ROLAND DAVIS

FDOT DRIVEWAY AND STORM DRAINAGE
5301 N.E. 39TH AVENUE
GAINESVILLE, FLORIDA 32609
(352) 381-4308
ATTN.: ADAM DOYLE, PERMITS COORDINATOR

SUWANNEE RIVER WATER MANAGEMENT DISTRICT
9225 C.R. 49
LIVE OAK, FLORIDA 32060
(386) 362-1001
ATTN.: BRIAN BROOKER, RESOURCE MANAGEMENT STAFF

FDEP WATER AND WASTEWATER
7825 BAYMEADOWS WAY, SUITE 200B
JACKSONVILLE, FLORIDA 32256-7590
(904) 807-3300



LOCATION MAP
SCALE N.T.S
ALACHUA, FLORIDA
SECTION 9,10,15, & 16 - TOWNSHIP 8 SOUTH - RANGE 18 EAST

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UTILITY RESPONSIBILITY MATRIX FOR THIS PROJECT

	UTILITY/ GOVERNING AGENCIES CONTACTS	CONTRACTOR RESPONSIBILITY-	OTHERS RESPONSIBILITY-
GAS	GAINESVILLE REGIONAL UTILITIES P.O. BOX 147117, STATION SG-45 GAINESVILLE, FLORIDA 32614-7117 (352) 334-6078 ATTN: PHILIP D. LANCASTER, PE	- COORDINATE CONSTRUCTION ACTIVITIES WITH GAS COMPANY TO ENSURE INSTALLATION OF GAS LINES ARE COMPLETED OR WILL NOT CONFLICT WITH PROPOSED ASPHALT OR CURB CONSTRUCTION SCHEDULING. - INSTALL BOLLARD PROTECTION AS SHOWN ON THE PLANS AND PER GAS COMPANY REQUIREMENTS. - INSTALL 4" & 6" SCHEDULE 80 PVC CONDUITS UNDER PAVEMENT AT LOCATIONS NOTED ON PLANS PER GAS COMPANY REQUIREMENTS.	- SERVICE FROM THE POINT OF CONNECTION AT THE EXISTING LINE, ROW MAIN AND OUT PARCEL SERVICE STUB UPS AND INCLUDING SETTING OF METER WILL BE BY THE GAS COMPANY
TELEPHONE	WINDSTREAM FLORIDA P.O BOX 698 ALACHUA, FLORIDA 32616 (386) 462-6525 ATTN: DAN DRAIN	- COORDINATE CONSTRUCTION ACTIVITIES WITH TELEPHONE COMPANY TO ENSURE INSTALLATION OF TELEPHONE LINES ARE COMPLETED OR WILL NOT CONFLICT WITH PROPOSED ASPHALT OR CURB CONSTRUCTION SCHEDULING. - UNDER ROADWAY PAVEMENT PROVIDE AND INSTALL (1) 4" SCHEDULE 80 PVC CONDUITS @ 48" MINIMUM DEPTH, AT LOCATIONS NOTED ON PLANS PER PHONE COMPANY SPECIFICATIONS. ENDS OF CONDUIT SHALL BE TURNED UP AND MARKED WITH THE LETTER "T" FOR EASY IDENTIFICATION. - UNDER PARKING LOT PAVEMENT AND ENTERING BUILDINGS PROVIDE AND INSTALL (1) 3" SCHEDULE 80 PVC CONDUITS @ 48" MINIMUM DEPTH AT LOCATIONS NOTED ON PLANS PER PHONE COMPANY SPECIFICATIONS. ENDS OF CONDUIT SHALL BE TURNED UP AND MARKED WITH THE LETTER "T" FOR EASY IDENTIFICATION. - PROVIDE AND INSTALL PULL BOXES AND PULL ROPES, INCLUDING ALL TRENCHING AND BACKFILLING WITHIN WAL-MART AND RETAIL PARCEL PROPERTIES AT LOCATIONS SHOWN ON PLANS. PULL BOXES SHALL BE IN ACCORDANCE WITH TELEPHONE COMPANY SPECIFICATIONS AND RATED FOR HEAVY WHEEL LOADS WITHIN PAVEMENT AREAS. - CONTRACTOR SHALL CONTACT TELEPHONE COMPANY PRIOR TO STORM PIPE INSTALLATION WITHIN U.S. HWY. 441 ROW DUE TO STORM PIPE CONFLICT.	- TELEPHONE COMPANY WILL PROVIDE AND INSTALL ALL TELEPHONE CABLES FROM THE POINT OF CONNECTION UP TO THE BUILDING AND WITHIN ROW'S. - TELEPHONE COMPANY WILL RELOCATE AND REINSTALL EXISTING TELEPHONE CABLES WITHIN U.S. HWY. 441 ROW FOR PROPOSED STORM PIPE INSTALLATION. CONTRACTOR SHALL CONTACT TELEPHONE COMPANY PRIOR TO CONSTRUCTION WITHIN U.S. HWY. 441 ROW.
ELECTRIC	CITY OF ALACHUA P.O. BOX 9 ALACHUA, FLORIDA 32616 (386) 418-6140 ATTN: WILLIAM SHISHKINS	- PROVIDE ALL MATERIALS FOR THE PROPOSED ELECTRICAL SYSTEM INCLUDING BUT NOT LIMITED TOO; PRIMARY AND SECONDARY CABLES, CONDUITS, STREET LIGHTS, CABINETS, PULL BOXES AND CONCRETE PADS AS SPECIFIED BY THE APPROVED ELECTRICAL DESIGN PLANS. - ALL ELECTRICAL SYSTEM, INFRASTRUCTURE AND CONNECTIONS SHALL BE IN ACCORDANCE WITH ELECTRICAL COMPANY SPECIFICATIONS. CABLES AND SUPPORT STRUCTURES SHALL NOT BE BACKFILLED UNTIL THEY HAVE BEEN INSPECTED AND APPROVED BY THE ELECTRIC COMPANY. - CONSTRUCT TRANSFORMER PAD PER ELECTRIC COMPANY SPECIFICATIONS.	- ELECTRIC COMPANY WILL PURCHASE TRANSFORMER(S) FOR THE CONTRACTOR. INVOICE FOR THE TRANSFORMER(S) SHALL BE PAID IN ADVANCE (BY CONTRACTOR) OF ORDERING AND SHOULD ALLOW 6-8 WEEKS LEAD TIME FOR DELIVERY. - ELECTRICAL FEEDER EXTENSION UNDER U.S HWY. 441 FOR SERVICE TO DEVELOPMENT SHALL BE COMPLETED BY ELECTRIC COMPANY PRIOR TO START OF CONSTRUCTION. - PRIMARY & SECONDARY CABLES SHALL BE INSTALLED BY THE ELECTRIC COMPANY
SANITARY SEWER	CITY OF ALACHUA P.O. BOX 9 ALACHUA, FLORIDA 32616 (386) 418-6140 ATTN: JOHN SWILLEY	- PROVIDE AND INSTALL SANITARY SEWER LINES AND ASSOCIATED APPURTENANCES PER THE PLANS AND CITY OF ALACHUA SPECIFICATIONS. - COORDINATE REQUIRED INSPECTION SERVICES WITH ENGINEER OF RECORD AND CITY OF ALACHUA WASTE WATER SYSTEM INSPECTOR. - ALL PUBLIC AND PRIVATE SANITARY SEWER LINES LESS THAN 12' DEEP SHALL BE PVC AND RATED SDR 35. - ALL PUBLIC AND PRIVATE SANITARY SEWER LINES GREATER THAN 12' DEEP BUT LESS THAN 20' DEEP SHALL BE PVC AND RATED SDR 26. - ALL PUBLIC AND PRIVATE SANITARY SEWER LINES GREATER THAN 20' DEEP SHALL BE EPOXY LINED D.I. PIPE C-350. - SANITARY SEWER MANHOLES GREATER THAN 20' DEEP SHALL BE 6' DIAMETER.	
WATER	CITY OF ALACHUA P.O. BOX 9 ALACHUA, FLORIDA 32616 (386) 418-6140 ATTN: SCOTT ROANE	- PROVIDE AND INSTALL ALL WATER MAINS AND ASSOCIATED APPURTENANCES PER THE PLANS AND CITY OF ALACHUA SPECIFICATIONS. ALL PUBLIC AND PRIVATE WATER MAINS SHALL BE P.V.C. C-900 & C-905. - ALL PORTIONS OF THE FIRE PROTECTION WATER SYSTEM SHALL BE INSTALLED BY A LICENSED FIRE SPRINKLER CONTRACTOR. - ALL PORTIONS OF OTHER NON FIRE PROTECTION RELATED LINES MAY BE INSTALLED BY THE PLUMBING CONTRACTOR. - COORDINATE REQUIRED INSPECTION SERVICES WITH ENGINEER OF RECORD AND CITY OF ALACHUA WATER SYSTEM INSPECTOR.	- CITY TO PROVIDE AND INSTALL WATER METER
STORM SEWER	SUWANNEE RIVER WATER MANAGEMENT DISTRICT 9225 C.R. 49 LIVE OAK, FLORIDA 32060 386-362-1001 ATTN.: BRIAN BROOKER, RESOURCE MANAGEMENT STAFF	- PROVIDE AND INSTALL ALL STORM SEWER LINES AND ASSOCIATED APPURTENANCES PER THE PLANS AND SPECIFICATIONS. - REFER TO GRADING PLAN FOR INFORMATION ON ALLOWABLE STORM SEWER MATERIALS	

THIS MATRIX HAS BEEN PROVIDED FOR INFORMATIONAL PURPOSES. THE CONTRACTOR SHALL PROVIDE ANY AND ALL APPURTENANCES, TRENCHING AND BACKFILL, AND OTHER INCIDENTALS TO MEET OR EXCEED THE SPECIFICATIONS OF THE ITEMS LISTED.

ALERT TO CONTRACTOR:

1. THE SITEWORK FOR THE WALMART PORTION OF THIS PROJECT SHALL MEET OR EXCEED THE "SITE SPECIFIC SPECIFICATIONS."

2. ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO CONTRACT COMPLETION AND THE FINAL CONNECTION OF SERVICES.

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INDEX OF SHEETS

SIGNAL IMPROVEMENT PLANS

(SEE SEPARATE 11"X17" PLANS)

NOTE
THE SIZE OF THESE PLANS MAY HAVE BEEN SLIGHTLY ALTERED BY REPRODUCTION PROCESSES, THIS MUST BE CONSIDERED WHEN SCALING ANY REPRODUCED PLANS FOR THE PURPOSE OF COLLECTING DATA.

(X) = NOT INCLUDED IN THIS SET

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BRIAN P. CASSIDY LICENSE No. 67373 STATE OF FLORIDA PROFESSIONAL ENGINEER
BRIAN P. CASSIDY, P.E. 67373

APR 0 8 2017

No.	Date	Revision	By
		H.L.W.	
		H.L.W.	
		H.L.W.	
		H.L.W.	

Designed by:	B.P.C.
Drawn by:	P.W.R.
Checked by:	H.L.W
Approved by:	B.P.C.
Scale:	NONE
Date:	2/17/15
Job No.:	W13392.1

Plans Prepared By:
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Arch. Lic. No. AA2600926
Lndscp. Lic. No. LC0000298

COVER SHEET

Walmart

STORE NO. 3873-00, ALACHUA (SEC I-75 HWY 441), FLORIDA

Sheet No.
C-1

GENERAL PROVISIONS

1. THE CONTRACTOR SHALL OBTAIN FROM THE OWNER COPIES OF ALL AVAILABLE REGULATORY AGENCY PERMITS AND LOCAL AGENCY PERMITS.
2. ALL CONSTRUCTION PROJECTS 1 OR MORE ACRES IN SIZE THAT DISCHARGE TO OFFSITE AREAS ARE REQUIRED TO ABIDE BY THE PROVISIONS OF THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT. THE CONTRACTOR IS RESPONSIBLE FOR PREPARING THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND SUBMITTING NPDES "NOTICE OF INTENT" (N.O.I.) AND "NOTICE OF TERMINATION" (N.O.T.) NOTICES TO THE EPA OR LOCAL STATE AGENCY HAVING JURISDICTION OVER THE NPDES PROGRAM. THE CONTRACTOR SHALL KEEP ONSITE A COPY OF THE SWPPP, NOI, AND WATER MANAGEMENT DISTRICT PERMITS ISSUED TOGETHER WITH THE INSPECTION REPORTS AND CURRENT PLANS, INCLUDING ANY MODIFICATIONS REQUIRED.
3. UNLESS OTHERWISE NOTED ON THE PLANS, THE CONTRACTOR SHALL USE THE GEOMETRY PROVIDED ON THE CONSTRUCTION PLANS. BENCHMARK INFORMATION SHALL BE PROVIDED TO THE CONTRACTOR BY THE OWNER OR OWNER'S SURVEYOR. ANY DISCREPANCIES BETWEEN FIELD MEASUREMENTS AND CONSTRUCTION PLAN INFORMATION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
4. BASE SURVEY INFORMATION INCLUDING BUT NOT LIMITED TO ELEVATIONS, EASEMENTS, RIGHTS OF WAY, AND OTHER TOPOGRAPHIC INFORMATION HAS BEEN PREPARED BY OTHER PROFESSIONALS. CPH ENGINEERS, INC. ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THIS INFORMATION.
5. THIS SET OF PLANS MAY CONTAIN DRAWINGS PREPARED BY OTHER PROFESSIONALS, WHICH CONTAIN THE NAME, ADDRESS, AND LOGO OF THE PROFESSIONAL. CPH ENGINEERS, INC. IS NOT RESPONSIBLE FOR DRAWINGS PREPARED BY OTHER PROFESSIONALS.
6. THE CONTRACTOR SHALL SUBMIT (6) COPIES OF SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO ORDERING THE MATERIALS REQUIRED FOR CONSTRUCTION. PRIOR TO SUBMISSION, THE CONTRACTOR SHALL THOROUGHLY CHECK SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES FOR COMPLETENESS AND FOR COMPLIANCE WITH THE CONSTRUCTION PLANS AND SHALL VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AND SHALL COORDINATE THE SHOP DRAWINGS WITH THE REQUIREMENTS FOR OTHER RELATED WORK. THE CONTRACTOR'S RESPONSIBILITY FOR ERRORS AND OMISSIONS IN SUBMITTALS IS NOT RELIEVED BY THE ENGINEER'S REVIEW OF SUBMITTALS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER, IN WRITING AT THE TIME OF SUBMISSION, OF DEVIATIONS IN SUBMITTALS FROM THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
7. PROTECT BENCHMARKS, PROPERTY CORNERS, AND OTHER SURVEY MONUMENTS FROM DAMAGE OR DISPLACEMENT. IF MARKER NEEDS TO BE REMOVED IT SHALL BE REFERENCED BY LICENSED LAND SURVEYOR AND REPLACED, AS NECESSARY, BY SAME.
8. THE CONTRACTOR IS RESPONSIBLE FOR ALL QUALITY CONTROL TESTING. AS A MINIMUM, TESTING SHALL INCLUDE A) PIPING AND STRUCTURAL EXCAVATION, BEDDING AND BACKFILL MATERIALS AND DENSITY TESTS; B) DETERMINATION OF COMPACTIVE EFFORT NEEDED FOR COMPLIANCE WITH THE DENSITY REQUIREMENTS; C) PORTLAND CEMENT CONCRETE AND ASPHALT PAVING QUALITY CONTROL TESTING INCLUDING DESIGN MIX REVIEW, MATERIALS, FIELD SLUMP AND AIR CONTENT, AND FIELD AND LAB CURED STRENGTH SAMPLES AND TESTING.
9. IN ADDITION TO QUALITY CONTROL TESTING, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REQUIRED TESTING OR APPROVALS FOR ANY WORK (OR ANY PART THEREOF) IF LAWS OR REGULATIONS OF ANY PUBLIC BODY HAVING JURISDICTION SPECIFICALLY REQUIRE TESTING, INSPECTIONS OR APPROVAL. THE CONTRACTOR SHALL PAY ALL COSTS IN CONNECTION THEREWITH AND SHALL FURNISH THE OWNER AND ENGINEER THE REQUIRED CERTIFICATES OF INSPECTION, TESTING OR APPROVAL.
10. ANY DESIGN OR TESTING LABORATORY UTILIZED BY THE CONTRACTOR SHALL BE AN INDEPENDENT LABORATORY ACCEPTABLE TO THE OWNER AND THE ENGINEER, APPROVED IN WRITING, AND COMPLYING WITH THE LATEST EDITION OF THE "RECOMMENDED REQUIREMENTS FOR INDEPENDENT LABORATORY QUALIFICATION", PUBLISHED BY THE AMERICAN COUNCIL OF INDEPENDENT LABORATORIES.
11. TESTING RESULTS SHALL BE PROVIDED TO THE OWNER/OPERATOR AND THE ENGINEER. ALL TEST RESULTS SHALL BE PROVIDED (PASSING AND FAILING) ON A REGULAR AND IMMEDIATE BASIS.
12. THE ENTIRE PROJECT SITE SHALL BE THOROUGHLY CLEANED AT THE COMPLETION OF THE WORK. CLEAN ALL INSTALLED PIPELINES, STRUCTURES, SIDEWALKS, PAVED AREAS, ACCUMULATED SILT IN PONDS, PLUS ALL ADJACENT AREAS AFFECTED BY CONSTRUCTION, AS DIRECTED BY THE OWNER OR JURISDICTIONAL AGENCY. EQUIPMENT TO CLEAN THESE SURFACES SHALL BE SUBJECT TO APPROVAL BY THE OWNER.
13. THE FIRST STREET GROUP PROPERTY LINES ARE NOT SHOWN BOLD FOR CLARITY.

UTILITY GENERAL NOTES

1. THE UTILITY DATA SHOWN ON THESE PLANS WAS LOCATED BY THE RESPECTIVE UTILITY, OR IS BASED ON UTILITY DRAWINGS, MAPS, OR FIELD RECONNAISSANCE.
2. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITIES AND TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATIONS OF THESE UTILITIES WITH THE OWNER OF THE UTILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING AN UNDERGROUND UTILITY, WHETHER SHOWN ON THE PLANS OR LOCATED BY THE UTILITY COMPANY. ANY UTILITIES, WHETHER SHOWN ON THESE PLANS OR NOT, THAT INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE CLOSELY COORDINATED WITH THE ENGINEER AND THE RESPECTIVE UTILITY COMPANY FOR RELOCATION OR PROPER INSTRUCTION.
3. A SINGLE POINT UTILITY IDENTIFICATION SERVICE HAS BEEN SET UP FOR EXISTING UTILITIES. THE CONTRACTOR IS TO CONTACT THE SUNSHINE STATE ONE CALL CENTER (800-432-4770) AT LEAST TWO (2) AND NO MORE THAN FIVE (5) WORKING DAYS PRIOR TO THE SPECIFIC CONSTRUCTION ACTIVITY FOR FIELD LOCATION. NOTE THAT NOT ALL UTILITIES PARTICIPATE IN THIS PROGRAM. THE CONTRACTOR SHOULD CONTACT ALL NON-PARTICIPATING UTILITIES SEPARATELY FOR FIELD LOCATION OF THEIR FACILITIES AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION. PER FLORIDA STATUTE 553.851, THE CONTRACTOR OR EXCAVATOR IS REQUIRED TO NOTIFY THE GAS COMPANY TWO (2) WORKING DAYS PRIOR TO STARTING EXCAVATION.
4. THE FOLLOWING UTILITIES HAVE PREVIOUSLY INDICATED THAT THEY MAY HAVE FACILITIES IN THE VICINITY OF THE CONSTRUCTION AREA:

CITY OF ALACHUA ATTN: SCOTT ROANE 386-418-8140	WINDSTREAM FLORIDA ATTN: DAN DRAIN 386-462-6525
GRU GAS ATTN: PHILIP D. LANCASTER 352-334-6078	

5. THE CONTRACTOR SHALL KEEP LOCATE TICKETS UP TO DATE AT ALL TIMES.
6. THE CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION WITH EACH UTILITY AND ALL COSTS ASSOCIATED WITH THE PROTECTION OF EXISTING FACILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL ALSO COORDINATE NECESSARY RELOCATIONS OR OTHER CONSTRUCTION RELATED MATTERS WITH EACH UTILITY.
7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN IN SERVICE ALL EXISTING PIPING ENCOUNTERED DURING CONSTRUCTION UNLESS OTHERWISE INDICATED IN THE DRAWINGS. ANY PIPING WHICH CAN BE REMOVED DURING CONSTRUCTION WITHOUT UNDUE INTERRUPTION OF SERVICE MAY BE REMOVED AND REPLACED BY THE CONTRACTOR WITH THE PERMISSION OF THE OWNER AND THE ENGINEER.
8. TYPICAL DETAILS AS SHOWN ARE TO ILLUSTRATE THE ENGINEER'S INTENT AND ARE NOT PRESENTED AS A SOLUTION TO ALL CONSTRUCTION PROBLEMS ENCOUNTERED IN THE FIELD. THE CONTRACTOR MAY ALTER THE METHOD OF CONSTRUCTION TO SUIT FIELD CONDITIONS, PROVIDING HE SUBMITS A PROPOSAL FOR AN ALTERNATE METHOD TO THE ENGINEER FOR APPROVAL AND USES MATERIALS AS DESIGNATED IN THE SPECIFICATIONS.
9. FOR EACH RESPECTIVE PIPELINE CONSTRUCTION REQUIRED, THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION, DEPTH, AND ALIGNMENT OF ALL EXISTING PIPES, CABLES, ETC. TO BE CROSSED OR CONNECTED TO. IF THE CONTRACTOR DEEMS NECESSARY (A) A CHANGE IN ALIGNMENT OR DEPTH, OR THE NEED FOR ADDITIONAL FITTINGS, BENDS, OR COUPLINGS, WHICH REPRESENT A DEPARTURE FROM THE CONTRACT DRAWING, OR (B) A NEED FOR RELOCATION OF EXISTING UTILITIES, THEN DETAILS OF SUCH DEPARTURES, RELOCATIONS, OR ADDITIONAL FITTINGS, INCLUDING CHANGES IN RELATED PORTIONS OF THE PROJECT AND THE REASONS THEREFORE, SHALL BE SUBMITTED WITH SHOP DRAWINGS. APPROVED DEPARTURES FOR THE CONTRACTOR'S CONVENIENCE SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.
10. THE CONTRACTOR SHALL PROVIDE AT HIS OWN EXPENSE ALL NECESSARY TEST PUMPING EQUIPMENT, WATER, WATER METERS, PRESSURE GAUGES, AND OTHER EQUIPMENT, MATERIAL AND FACILITIES REQUIRED FOR ALL HYDROSTATIC, LEAKAGE, AND PRESSURE TESTING. THE CONTRACTOR SHALL CONTACT THE ENGINEER AND THE OWNER IN WRITTEN FORM, FORTY-EIGHT (48) HOURS IN ADVANCE OF PROPOSED TESTING. THE CONTRACTOR SHALL PERFORM SATISFACTORY PRETESTING PRIOR TO NOTIFICATION.

AS-BUILT DRAWING REQUIREMENTS

1. AS-BUILT DRAWINGS SHALL BE PROVIDED BY THE CONTRACTOR TO THE ENGINEER THREE WEEKS PRIOR TO FINAL INSPECTION. ALL AS-BUILT DATA SHALL BE PROVIDED BY A FLORIDA LICENSED SURVEYOR, SIGNED, SEALED AND DATED BY THE RESPONSIBLE PARTY.
2. AT THE COMPLETION OF THE WORK, DELIVER THE DRAWINGS DOCUMENTING AS-BUILT INFORMATION, MEASURED BY A LICENSED SURVEYOR, TO THE ENGINEER, IN GOOD CONDITION AND FREE FROM ANY EXTRANEOUS NOTATION. THE AS-BUILT INFORMATION IS TO INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:
   - A. HORIZONTAL LOCATIONS AND VERTICAL ELEVATIONS FOR ALL UTILITY AND STORM STRUCTURES INCLUDING BUT NOT LIMITED TO MANHOLES, INLETS AND CLEANOUTS, INCLUDING STRUCTURE TOP AND INVERT ELEVATIONS.
   - B. DISTANCE ALONG PIPELINES BETWEEN STRUCTURES.
   - C. STORMWATER POND TOP OF BERM AND POND BOTTOM ELEVATIONS AT A MINIMUM OF SIX LOCATIONS PER POND.
   - D. STORMWATER CONTROL STRUCTURE DIMENSIONS AND ELEVATIONS, INCLUDING ALL WEIRS, SLOTS, ORIFICES, GRATES, AND SKIMMERS.
   - E. STORMWATER POND TOP AND BOTTOM HORIZONTAL DIMENSIONS MEASURED AT A MINIMUM OF SIX LOCATIONS PER POND, WITH LOCATIONS TIED TO PROPERTY CORNERS, EASEMENTS, AND RIGHTS-OF-WAY.
   - F. STORMWATER CONVEYANCE SYSTEMS INCLUDING DIMENSIONS, ELEVATIONS, CONTOURS, AND CROSS SECTIONS.
   - G. HORIZONTAL LOCATIONS AND VERTICAL ELEVATIONS OF ALL UTILITY VALVES, FITTINGS, CONNECTION POINTS, ETC.
   - H. VERTICAL ELEVATIONS OF ALL PIPELINES AT CROSSINGS OF POTABLE WATER MAINS (WHETHER THE WATER MAIN IS EXISTING OR NEW) IN ORDER TO DOCUMENT THAT THE MINIMUM REQUIRED VERTICAL SEPARATION HAS BEEN MET.
   - I. UTILITY PIPELINE TIED HORIZONTALLY TO EDGE OF PAVEMENT AND RIGHT-OF-WAY LINES, LOCATED EVERY 200-FT PLUS ALL CHANGES IN HORIZONTAL OFFSET.
   - J. PAVEMENT WIDTH AND ELEVATIONS AT THE CENTERLINE AND EDGE OF PAVEMENT EVERY 200 FEET PLUS AT ALL CHANGES IN LONGITUDINAL SLOPE, CROSS SLOPE, INLET LOCATIONS, AND AT ALL DRIVEWAY AND STREET INTERSECTIONS. FOR PARKING LOTS, RECORD CENTERLINE AND EDGE OF PAVEMENT ELEVATIONS ALONG ALL DRIVE AISLES AND ISLANDS.
   - K. ALL PARKING AREAS AND SIDEWALK RAMPS DESIGNATED FOR HANDICAP ACCESS SHALL CONTAIN HORIZONTAL AND VERTICAL MEASUREMENTS IN ORDER TO VERIFY REQUIRED WIDTHS AND SLOPES HAVE BEEN MET.
   - L. HORIZONTAL AND VERTICAL DATA FOR ANY CONSTRUCTION THAT DEVIATES FROM THE APPROVED ENGINEERING DRAWINGS.
   - M. WHERE THE PLANS CONTAIN SPECIFIC HORIZONTAL LOCATION DATA, SUCH AS STATION AND OFFSET, THE AS-BUILT DRAWINGS ARE TO REFLECT THE ACTUAL HORIZONTAL LOCATION.
   - N. WHERE THE PLANS CONTAIN SPECIFIC VERTICAL ELEVATION DATA, THE AS-BUILT DRAWINGS ARE TO REFLECT THE ACTUAL MEASURED VERTICAL ELEVATION.

TRAFFIC CONTROL

1. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A MAINTENANCE OF TRAFFIC (M.O.T.) PLAN PRIOR TO CONSTRUCTION. THE M.O.T. PLAN SHALL SHOW ALL PROPOSED TRAFFIC CONTROL SIGNS, PAVEMENT MARKINGS, AND BARRICADES, AND SHALL DETAIL ALL PROPOSED CONSTRUCTION SEQUENCING. THE M.O.T. PLAN SHALL BE APPROVED BY THE ENGINEER, OWNER, AND ROADWAY JURISDICTIONAL AGENCY PRIOR TO CONSTRUCTION. ALL PROPOSED ROADWAY AND DRIVEWAY LANE CLOSURES SHALL BE RESTRICTED TO THE HOURS BETWEEN 9:00 A.M. AND 4:00 P.M. UNLESS OTHERWISE AUTHORIZED IN THE APPROVED M.O.T.
2. ALL CONSTRUCTION SIGNING AND MARKINGS SHALL BE INSTALLED PRIOR TO CONSTRUCTION AND MAINTAINED DURING CONSTRUCTION IN ACCORDANCE WITH FDOT INDEX NO. 600 AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). THE PLACEMENT OF THE SIGNING AND MARKINGS SHALL BE APPROVED IN THE FIELD BY THE ENGINEER PRIOR TO CONSTRUCTION.
3. INSPECT TRAFFIC CONTROL DEVICES ON A DAILY BASIS TO ENSURE PLACEMENT OF BARRICADES AND FUNCTION OF LIGHTS IS MAINTAINED THROUGHOUT CONSTRUCTION.
4. CONTACT PROPERTY OWNERS AFFECTED BY CONSTRUCTION. COORDINATE TEMPORARY DRIVEWAY CLOSURES AND SEQUENCING. MAINTAIN ACCESS FOR ALL PROPERTY OWNERS DURING CONSTRUCTION.
5. WET UNSTABILIZED AREAS AS NECESSARY TO CONTROL DUST.
6. ADJUST TRAFFIC CONTROL DEVICES AS REQUIRED UNDER EMERGENCY CONDITIONS.
7. THE CONTRACTOR IS EXPECTED TO COORDINATE ITS ACTIVITIES WITH OTHER CONTRACTORS WHO MAY BE WORKING IN THE IMMEDIATE VICINITY.

FDOT GENERAL NOTES

1. ALL WORK PERFORMED WITHIN THE DEPARTMENT'S RIGHT-OF-WAY SHALL CONFORM TO THE MOST CURRENT EDITION OF THE FOLLOWING PUBLICATIONS:

   I. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (ENGLISH).

   II. FDOT STANDARDS INDEX (ENGLISH)

   III. FDOT PLANS PREP MANUAL

   IV. FDOT FLEXIBLE PAVEMENT DESIGN MANUAL FOR NEW CONSTRUCTION AND PAVEMENT REHABILITATION

   (SHOULD A CONFLICT ARISE BETWEEN THE DETAILS SHOWN IN THE PLANS AND THE DEPARTMENT OF TRANSPORTATION STANDARDS THE ENGINEER/APPLICANT SHALL IMMEDIATELY CONFER WITH THE DEPARTMENT'S ENGINEER IN ORDER TO RESOLVE THE DISCREPANCY.)

2. ALL TRAFFIC STRIPING AND MARKINGS ARE TO BE LEAD-FREE, NON-SOLVENT BASED THERMOPLASTIC.
3. REMOVAL OF EXISTING STRIPING SHALL BE ACCOMPLISHED USING THE "HYDRO-BLAST" METHOD. IF THIS PROCESS DAMAGES/SCARS PAVEMENT, THEN THE PAVEMENT SHALL BE MILLED AND RESURFACED PER FDOT STANDARDS.
4. ALL DIRECTIONAL ARROWS SHALL BE PLACED AS ONE SEGMENT.
5. ALIGNMENT OF PROPOSED PAVEMENT MARKINGS SHALL MATCH EXISTING PAVEMENT MARKINGS AT PAVEMENT MARKING LIMITS OF CONSTRUCTION.
6. ALL CURB AND GUTTER AND SIDEWALK WILL BE REMOVED AND REPLACED JOINT TO JOINT.
7. ALL BROKEN/CRACKED DRIVEWAYS MUST BE FULLY REMOVED AND REPLACED.
8. ALL DISTURBED AREA WITH THE DEPARTMENT'S RIGHT-OF-WAY WILL RESTORED TO ORIGINAL OR BETTER CONDITION BY GRADING AND SODDING THE AREA DISTURBED (BERMUDA IN RURAL, CENTIPEDE IN UTILITY STRIPS).
9. BURNING OF ANY MATERIAL OR DEBRIS IS PROHIBITED IN FDOT RIGHT-OF-WAY.
10. ALL LANES MUST BE OPENED FOR TRAFFIC DURING AN EVACUATION NOTICE OF A HURRICANE OR OTHER CATASTROPHIC EVENT AND SHALL REMAIN OPEN FOR THE DURATION OF THE EVACUATION OR EVENT.

SITE PREPARATION

1. UNLESS OTHERWISE DIRECTED BY THE OWNER OR ENGINEER, THE CONTRACTOR IS EXPECTED TO CONTAIN ALL CONSTRUCTION ACTIVITIES WITHIN THE PROPERTY, RIGHT-OF-WAY, AND EASEMENTS AS INDICATED ON THE DRAWINGS. AT NO TIME SHALL THE CONTRACTOR DISTURB SURROUNDING PROPERTIES OR TRAVEL ON SURROUNDING PROPERTIES WITHOUT WRITTEN CONSENT FROM THE PROPERTY OWNER. ANY REPAIR OR RECONSTRUCTION OF DAMAGED AREAS IN SURROUNDING PROPERTIES SHALL BE REPAIRED BY THE CONTRACTOR ON AN IMMEDIATE BASIS. ALL COSTS FOR REPAIRS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NO EXTRA COMPENSATION SHALL BE PROVIDED.
2. STAKE OUT THE CONSTRUCTION, ESTABLISH LINES AND LEVELS, TEMPORARY BENCH MARKS, BATTER BOARDS, CENTERLINES, BASELINES, AND REFERENCE POINTS FOR THE WORK, AND VERIFY ALL DIMENSIONS RELATING TO INTERCONNECTION WITH EXISTING FEATURES. REPORT ANY INCONSISTENCIES IN THE PROPOSED GRADES, LINES AND LEVELS, DIMENSIONS AND LOCATIONS TO THE ENGINEER BEFORE COMMENCING WORK.
3. PROTECT ALL TREES AND SHRUBS LOCATED OUTSIDE THE RIGHT-OF-WAY, EASEMENTS, AND OWNER SECURED PROPERTY, PARTICULARLY THOSE TREES AND SHRUBS LOCATED ADJACENT TO WORK AREAS.
4. WITHIN THE RIGHT-OF-WAY, EASEMENTS, AND OWNER SECURED PROPERTY, THE INTENT IS TO ALLOW TREES AND SHRUBS TO REMAIN IN ACCORDANCE WITH THE FOLLOWING SCHEDULE: NEW ROADWAY CONSTRUCTION - TREES AND SHRUBS TO REMAIN WHERE LOCATED MORE THAN 15 FEET FROM THE BACK OF CURB, OR OUTSIDE THE LIMITS OF EXCAVATION OR FILL AREAS, WHICHEVER IS FURTHER. UTILITY PIPELINE CONSTRUCTION - TREES AND SHRUBS TO REMAIN OUTSIDE A 15 FOOT WIDE PATH, CENTERED ON THE PIPELINE.
5. TREES TO REMAIN IN THE CONSTRUCTION AREA SHALL BE BOXED, FENCED OR OTHERWISE PROTECTED IN ACCORDANCE WITH DETAILS ON THE DRAWINGS. DO NOT PERMIT HEAVY EQUIPMENT OR STOCKPILES WITHIN BRANCH SPREAD
6. AREAS TO RECEIVE CLEARING AND GRUBBING SHALL INCLUDE ALL AREAS TO BE OCCUPIED BY THE PROPOSED IMPROVEMENTS, AREAS FOR FILL AND SITE GRADING, AND BORROW SITES. REMOVE TREES OUTSIDE OF THESE AREAS ONLY AS INDICATED ON THE DRAWINGS OR AS APPROVED IN WRITING BY THE ENGINEER.
7. CLEARING SHALL CONSIST OF REMOVING TREES AND BRUSH AND DISPOSAL OF OTHER MATERIALS THAT ENCROACH UPON OR OTHERWISE OBSTRUCT THE WORK.
8. EXERCISE EXTREME CARE DURING THE CLEARING AND GRUBBING OPERATIONS. DO NOT DAMAGE EXISTING STRUCTURES, PIPES OR UTILITIES.
9. GRUBBING SHALL CONSIST OF REMOVING AND DISPOSING OF STUMPS, ROOTS LARGER THAN 2" IN DIAMETER, AND MATTED ROOTS. REMOVE TO A DEPTH OF NOT LESS THAN 18" BELOW THE ORIGINAL SURFACE LEVEL OF THE GROUND.
10. ALL COMBUSTIBLE DEBRIS AND REFUSE FROM SITE PREPARATION OPERATIONS SHALL BE REMOVED TO LEGAL OFFSITE DISPOSAL AREAS.

DEWATERING

1. DESIGN AND PROVIDE DEWATERING SYSTEM USING ACCEPTED AND PROFESSIONAL METHODS CONSISTENT WITH CURRENT INDUSTRY PRACTICE. PROVIDE DEWATERING SYSTEM OF SUFFICIENT SIZE AND CAPACITY TO CONTROL GROUNDWATER IN A MANNER THAT PRESERVES STRENGTH OF FOUNDATION SOILS, DOES NOT CAUSE INSTABILITY OR RAVELING OF EXCAVATION SLOPES, AND DOES NOT RESULT IN DAMAGE TO EXISTING STRUCTURES. WHERE NECESSARY TO THESE PURPOSES, LOWER WATER LEVEL IN ADVANCE OF EXCAVATION, UTILIZING WELLS, WELLPOINTS, OR SIMILAR POSITIVE METHODS. MAINTAIN THE GROUNDWATER LEVEL TO A MINIMUM OF 2 FEET BELOW EXCAVATIONS. PROVIDE PIEZOMETERS IF DIRECTED BY THE ENGINEER TO DOCUMENT THE GROUNDWATER LEVEL IS BEING MAINTAINED.
2. CONTROL, BY ACCEPTABLE MEANS, ALL WATER REGARDLESS OF SOURCE AND BE FULLY RESPONSIBLE FOR DISPOSAL OF THE WATER. NO ADDITIONAL PAYMENT WILL BE MADE FOR ANY SUPPLEMENTAL MEASURES TO CONTROL SEEPAGE, GROUNDWATER, OR ARTESIAN HEAD.
3. OPEN PUMPING WITH SUMPS AND DITCHES SHALL BE ALLOWED, PROVIDED IT DOES NOT RESULT IN BOILS, LOSS OF FINES, SOFTENING OF THE GROUND, OR INSTABILITY OF SLOPES. SUMPS SHALL BE LOCATED OUTSIDE OF LOAD BEARING AREAS SO THE BEARING SURFACES WILL NOT BE DISTURBED. WATER CONTAINING SILT IN SUSPENSION SHALL NOT BE PUMPED INTO SEWER LINES OR ADJACENT STREAMS. DURING NORMAL PUMPING, AND UPON DEVELOPMENT OF WELL(S), LEVELS OF FINE SAND OR SILT IN THE DISCHARGE WATER SHALL NOT EXCEED 5 PPM.
4. IF DEWATERING EQUIPMENT NEEDED EXCEEDS ANY OF THE FOLLOWING: 1) 6" PUMP VOLUTE; 2) 100,000 GPD TOTAL 24 HOUR (1 DAY) DEWATERING, AND; 3) 1,000,000 GPD PUMP CAPACITY, THE CONTRACTOR SHALL BE REQUIRED TO PERMIT THE DEWATERING SYSTEM WITH THE WATER MANAGEMENT DISTRICT.
5. CONTINUOUSLY MAINTAIN EXCAVATIONS IN A DRY CONDITION WITH POSITIVE DEWATERING METHODS DURING PREPARATION OF SUBGRADE, INSTALLATION OF PIPE, AND CONSTRUCTION OF STRUCTURES UNTIL THE CRITICAL PERIOD OF CONSTRUCTION AND/OR BACKFILL IS COMPLETED TO PREVENT DAMAGE OF SUBGRADE SUPPORT, PIPING, STRUCTURE, SIDE SLOPES, OR ADJACENT FACILITIES FROM FLOTATION OR OTHER HYDROSTATIC PRESSURE IMBALANCE.
6. WHEN CONSTRUCTION IS COMPLETE, REMOVE ALL DEWATERING EQUIPMENT FROM THE SITE, INCLUDING WELLS AND RELATED TEMPORARY ELECTRICAL SERVICE.

GRADING

1. GRADING SHOWN ON THESE PLANS ARE PROVIDED TO THE CONTRACTOR TO EXPRESS THE GENERAL GRADING INTENT OF THE PROJECT. THE CONTRACTOR SHALL BE EXPECTED TO GRADE THE ENTIRE SITE TO PROVIDE POSITIVE DRAINAGE IN ALL AREAS THROUGHOUT THE SITE. SMOOTH TRANSITIONS SHALL BE PROVIDED BETWEEN CONTOURS OR SPOT ELEVATIONS AS SHOWN ON THE PLANS TO ACCOMPLISH THE GRADING INTENT. ALL SLOPES SHALL BE STABILIZED IMMEDIATELY AFTER FINAL GRADING HAS BEEN COMPLETED. CONTRACTOR SHALL NOTIFY OWNER AND ENGINEER PRIOR TO DEMOBILIZATION OF GRADING EQUIPMENT TO DETERMINE THAT THE GRADING INTENT HAS BEEN ACHIEVED.
2. ALL PAVING SURFACES IN INTERSECTIONS AND ADJACENT SECTIONS SHALL BE GRADED TO DRAIN POSITIVELY AND TO PROVIDE A SMOOTHLY TRANSITIONED DRIVING SURFACE FOR VEHICLES WITH NO SHARP BREAKS IN GRADE, AND NO UNUSUALLY STEEP OR REVERSE CROSS SLOPES. THE STANDARD CROWN MAY HAVE TO BE CHANGED IN ORDER TO DRAIN POSITIVELY IN THE AREA OF INTERSECTIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH THE ABOVE AND THE ENGINEER SHALL BE CONSULTED SO THAT HE MAY MAKE ANY AND ALL REQUIRED INTERPRETATIONS OF THE PLANS OR GIVE SUPPLEMENTARY INSTRUCTIONS TO ACCOMPLISH THE INTENT OF THE PLANS.
3. UNIFORMLY SMOOTH GRADE THE SITE. DEPRESSIONS FROM SETTLEMENT SHALL BE FILLED AND COMPACTED. TOPS OF EMBANKMENTS AND BREAKS IN GRADE SHALL BE ROUNDED. FINISHED SURFACES SHALL BE REASONABLY SMOOTH, COMPACTED, FREE FROM IRREGULAR SURFACE CHANGES AND COMPARABLE TO THE SMOOTHNESS OBTAINED BY BLADE_GRADER OPERATIONS.
4. SLOPE GRADES TO DRAIN AWAY FROM STRUCTURES AT A MINIMUM OF ¼-INCH PER FOOT FOR 10 FEET. FINISHED SURFACES ADJACENT TO PAVED AREAS AND WITHIN 10 FEET OF STRUCTURES SHALL BE WITHIN 1 INCH OF THE PROPOSED GRADE. ALL OTHER AREAS SHALL BE WITHIN 3 INCHES OF THE PROPOSED GRADE.
5. NEWLY GRADED AREAS SHALL BE PROTECTED FROM TRAFFIC AND EROSION. ALL SETTLEMENT OR WASHING AWAY THAT MAY OCCUR FROM ANY CAUSE PRIOR TO SEEDING OR ACCEPTANCE SHALL BE REPAIRED AND GRADES RE_ESTABLISHED TO THE REQUIRED ELEVATIONS AND SLOPES AT NO ADDITIONAL COST TO THE OWNER.

EXCAVATION, TRENCHING, AND FILL

1. THE CONTRACTOR SHALL RECOGNIZE AND ABIDE BY ALL OSHA EXCAVATION SAFETY STANDARDS, INCLUDING THE FLORIDA TRENCH SAFETY ACT (FS 553.60-553.64). ANY MATERIAL, CONSTRUCTION METHODS, OR MATERIAL COST TO COMPLY WITH THESE LAWS SHALL BE INCIDENTAL TO THE CONTRACT.
2. ROUGH EXCAVATE AND GRADE ANY PROPOSED STORMWATER PONDS AT THE START OF SITE GRADING ACTIVITIES. DIRECT SITE RUNOFF TO THE PONDS TO MINIMIZE RUNOFF TO OFFSITE AREAS.
3. THE CONTRACTOR SHALL PROVIDE THE OWNER AND ENGINEER RETENTION POND AS-BUILTS, INCLUDING TOP AND BOTTOM ELEVATIONS MEASURED AT A MINIMUM OF SIX LOCATIONS ALONG EACH POND, POND LENGTH AND WIDTH DIMENSIONS, AND CONTROL STRUCTURE DIMENSIONS AND ELEVATIONS.
4. FIELD DENSITY TESTING FREQUENCIES: A) ONE TEST FOR EACH 10,000 SQUARE FEET OR FRACTION THEREOF PER LIFT OF GENERAL BACKFILLING, MINIMUM 2 TESTS EACH LAYER; B) ONE TEST FOR EACH 100 SQUARE FEET OR FRACTION THEREOF OF BACKFILL AROUND AND UNDER STRUCTURES; C) ONE TEST FOR EACH 300 LINEAL FEET OR FRACTION THEREOF PER LIFT OF GENERAL BACKFILLING IN THE PIPELINE TRENCH; D) ONE TEST PER LIFT PER EACH CHANGE IN TYPE OF FILL; E) ONE TEST PER 1000 SQUARE FEET OF PAVEMENT SUBGRADE, MINIMUM OF 2 TESTS.
5. IT IS INTENDED THAT PREVIOUSLY EXCAVATED MATERIALS CONFORMING TO THE FOLLOWING REQUIREMENTS BE UTILIZED WHEREVER POSSIBLE.
   - A. ACCEPTABLE MATERIALS: AASHTO M145 CLASSIFICATION A-1, A-3, A-2-4, A-2-6; ASTM D2487 CLASSIFICATION GW, GP, GM, SM, SW, SP; UNLESS OTHERWISE DISAPPROVED WITHIN THE SOIL AND SUBSURFACE INVESTIGATION REPORTS. NO MORE THAN 12% OF ACCEPTABLE MATERIALS SHALL PASS THE NUMBER 200 SIEVE.
   - B. UNACCEPTABLE MATERIALS: AASHTO M145 CLASSIFICATION A-2-5, A-2-7, A-4, A-5, A-6, A-7, A-8; ASTM D2487 CLASSIFICATION GC, SC, ML, MH, CL, CH, OL, OH, PT; UNLESS OTHERWISE APPROVED WITHIN THE SOIL AND SUBSURFACE INVESTIGATION REPORTS.
6. PROVIDE BARRIERS, WARNING LIGHTS AND OTHER PROTECTIVE DEVICES AT ALL EXCAVATIONS.
7. SIDEWALKS, ROADS, STREETS, AND PAVEMENTS SHALL NOT BE BLOCKED OR OBSTRUCTED BY EXCAVATED MATERIALS, EXCEPT AS AUTHORIZED BY THE ENGINEER, IN WHICH CASE ADEQUATE TEMPORARY PROVISIONS MUST BE MADE FOR SATISFACTORY TEMPORARY PASSAGE OF PEDESTRIANS, AND VEHICLES. MINIMIZE INCONVENIENCE TO PUBLIC TRAVEL OR TO TENANTS OCCUPYING ADJOINING PROPERTY.
8. FURNISH, INSTALL, AND MAINTAIN, WITHOUT ADDITIONAL COMPENSATION, SHEETING, BRACING, AND SHORING SUPPORT REQUIRED TO KEEP EXCAVATIONS WITHIN THE PROPERTY OR EASEMENTS PROVIDED, TO SUPPORT THE SIDES OF THE EXCAVATION, AND TO PREVENT ANY MOVEMENT WHICH MAY DAMAGE ADJACENT PAVEMENTS OR STRUCTURES, DAMAGE OR DELAY THE WORK, OR ENDANGER LIFE AND HEALTH. VOIDS OUTSIDE THE SUPPORTS SHALL BE IMMEDIATELY FILLED AND COMPACTED.
9. ALL EXCAVATIONS SHALL BE MADE BY OPEN CUT UNLESS OTHERWISE INDICATED. SLOPE SIDES OF TRENCHES IN ACCORDANCE WITH OSHA REQUIREMENTS AND THE RECOMMENDATIONS CONTAINED WITHIN THE PROJECT GEOTECHNICAL REPORT.
10. EXCAVATE TRENCHES TO DEPTH INDICATED OR REQUIRED FOR INDICATED FLOW LINES AND INVERT ELEVATIONS. OVER EXCAVATE TRENCHES A MINIMUM OF 2 FEET WHERE EXCAVATIONS OCCUR WITHIN UNSUITABLE SOILS, AND REPLACE OVER EXCAVATED MATERIAL WITH SUITABLE SOILS.
11. EXCEPT AS OTHERWISE INDICATED, EXCAVATE FOR PRESSURE PIPING SO TOP OF PIPING IS MINIMUM 3 FEET BELOW FINISHED GRADE.
12. TRENCH BOTTOMS AND THE BOTTOMS OF ALL STRUCTURES SHALL BE KEPT DRY, COMPACTED, AND STABLE TO A DEPTH TWO FEET BELOW THE BOTTOM OF THE TRENCH OR STRUCTURE.
13. ALL BEDDING, FILL, AND BACKFILL MATERIAL SHALL BE SUITABLE SOILS OR FLOWABLE FILL. WHERE TRENCH OR EXCAVATION IS WITHIN THE INFLUENCE AREA OF ROADWAYS, STRUCTURES, FOUNDATIONS, OR SLABS, PLACE BACKFILL IN LAYERS OF 8 INCH LOOSE DEPTH. IN ALL OTHER AREAS, PLACE FILL AND BACKFILL IN LAYERS OF 12 INCH LOOSE DEPTH.

UTILITY SEPARATION REQUIREMENTS

1. THE HORIZONTAL SEPARATION BETWEEN WATER MAINS AND SANITARY SEWER, STORM SEWER, WASTEWATER FORCE MAINS, STORMWATER FORCE MAINS, RECLAIMED WATER MAINS AND ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
   - A. THE OUTSIDE OF WATER MAINS SHALL BE A MINIMUM OF THREE FEET FROM THE OUTSIDE OF ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, VACUUM TYPE SANITARY SEWER AND RECLAIMED WATER MAIN.
   - B. THE OUTSIDE OF WATER MAINS SHALL BE A MINIMUM OF SIX FEET FROM THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY SANITARY SEWER AND WASTEWATER FORCE MAIN. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN THE OUTSIDE OF WATER MAINS AND THE OUTSIDE OF GRAVITY SANITARY SEWERS CAN BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.
   - C. THE OUTSIDE OF WATER MAINS SHALL BE A MINIMUM OF TEN FEET FROM ALL PARTS OF ANY EXISTING OR PROPOSED ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM SUCH AS SEPTIC TANKS, DRAINFIELDS, AND GREASE TRAPS. ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS DO NOT INCLUDE PACKAGE SEWAGE TREATMENT FACILITIES AND PUBLIC WASTEWATER TREATMENT FACILITIES.
2. THE VERTICAL SEPARATION BETWEEN WATER MAINS AND SANITARY AND STORM SEWER, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER MAINS SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
   - A. WHEREVER POSSIBLE, WATER MAINS SHALL CROSS OVER EXISTING OR PROPOSED GRAVITY SANITARY SEWER, VACUUM TYPE SANITARY SEWER, AND STORM SEWER, SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES ABOVE THE OUTSIDE OF THE SEWER. WHERE IT IS NOT POSSIBLE FOR THE WATER MAIN TO CROSS OVER EXISTING OR PROPOSED GRAVITY SANITARY SEWER, VACUUM TYPE SANITARY SEWER, AND STORM SEWER, THEN THE WATER MAIN CAN CROSS UNDER THESE TYPES OF PIPELINE SYSTEMS PROVIDED THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE PIPELINE. AT THE CROSSING, THE PROPOSED PIPE JOINTS SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM VACUUM TYPE SANITARY SEWER OR STORM SEWER JOINTS, AND AT LEAST SIX FEET FROM GRAVITY SANITARY SEWER JOINTS.
   - B. WHEREVER POSSIBLE, WATER MAINS SHALL CROSS OVER EXISTING OR PROPOSED RECLAIMED WATER MAINS, WASTEWATER FORCE MAINS AND STORMWATER FORCE MAINS. WHETHER THE WATER MAIN CROSSES OVER OR UNDER THESE TYPES OF PIPELINE SYSTEMS, THE OUTSIDE OF THE WATER MAIN SHALL BE AT LEAST 12 INCHES FROM THE OUTSIDE OF THE EXISTING OR PROPOSED RECLAIMED WATER MAIN, WASTEWATER FORCE MAIN AND STORMWATER FORCE MAIN. AT THE CROSSING, THE PROPOSED PIPE JOINTS SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM RECLAIMED WATER MAIN JOINTS AND STORMWATER FORCE MAIN JOINTS, AND AT LEAST SIX FEET FROM THE JOINTS OF WASTEWATER FORCE MAINS.
3. NO WATER MAIN SHALL PASS THROUGH OR COME IN CONTACT WITH ANY PART OF A SANITARY SEWER MANHOLE.
4. NEW OR RELOCATED FIRE HYDRANTS SHALL BE LOCATED SUCH THAT THE UNDERGROUND DRAIN (WEEP HOLE) IS AT LEAST:
   - A. THREE FEET FROM ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, RECLAIMED WATER MAIN, OR VACUUM TYPE SANITARY SEWER.
   - B. SIX FEET FROM ANY EXISTING OR PROPOSED GRAVITY SANITARY SEWER AND WASTEWATER FORCE MAIN.
   - C. TEN FEET FROM ANY ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM SUCH AS SEPTIC TANKS, DRAINFIELDS, AND GREASE TRAPS. ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS DO NOT INCLUDE PACKAGE SEWAGE TREATMENT FACILITIES AND PUBLIC WASTEWATER TREATMENT FACILITIES.
5. THE FOLLOWING ARE ACCEPTABLE ALTERNATIVE CONSTRUCTION VARIANCES WHERE IT IS NOT POSSIBLE TO MEET THE SEPARATION REQUIREMENTS, AND ARE ONLY TO BE IMPLEMENTED UPON RECEIPT OF EXPRESSED WRITTEN CONSENT FROM THE ENGINEER. IMPLEMENTATION OF THESE MEASURES WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE ENGINEER COULD RESULT IN THE REQUIREMENT THAT THE INSTALLED UNAPPROVED MEASURES BE REMOVED AND REPLACED AT NO COST.
   - A. WHERE A WATER MAIN IS LESS THAN THE REQUIRED MINIMUM HORIZONTAL DISTANCE FROM ANOTHER PIPELINE AND OR WHERE A WATER MAIN CROSSES ANOTHER PIPELINE AND JOINTS IN THE WATER MAIN ARE LESS THAN THE MINIMUM REQUIRED DISTANCE BETWEEN THE JOINTS IN THE OTHER PIPELINE:
     - 1) USE OF PRESSURE RATED PIPE CONFORMING TO AWWA STANDARDS FOR A GRAVITY OR VACUUM TYPE PIPELINE.
     - 2) USE OF WELDED, FUSED, OR OTHERWISE RESTRAINED JOINTS FOR EITHER PIPELINE.
     - 3) USE OF WATERTIGHT CASING PIPE OR CONCRETE ENCASEMENT AT LEAST FOUR INCHES THICK FOR EITHER PIPE.
   - B. WHERE A WATER MAIN IS LESS THAN THREE FEET HORIZONTALLY FROM ANOTHER PIPELINE AND OR WHERE A WATER MAIN CROSSES ANOTHER PIPELINE LESS THAN THE REQUIRED MINIMUM SEPARATION:
     - 1) USE OF PIPE OR CASING PIPE, HAVING HIGH IMPACT STRENGTH (AT LEAST EQUAL TO 0.25 INCH THICK DUCTILE IRON PIPE), OR CONCRETE ENCASEMENT AT LEAST FOUR INCHES THICK FOR THE WATER MAIN AND FOR THE OTHER PIPELINE IF THE OTHER PIPELINE COVEYS WASTEWATER OR RECLAIMED WATER.

WATER AND RECLAIMED WATER DISTRIBUTION SYSTEMS

1. THE ENTITIES THAT WILL OPERATE AND MAINTAIN THE WATER AND RECLAIMED WATER SYSTEMS SHOWN ON THESE PLANS ARE WAL-MART STORES EAST, LP., FIRST STREET GROUP AND CITY OF ALACHUA. THE CONTRACTOR SHALL MEET ALL THE REQUIREMENTS OF THESE ENTITIES.
2. ALL WATER AND RECLAIMED MAIN PIPE SHALL BE EITHER DUCTILE IRON OR PVC, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
3. BURIED DUCTILE IRON PIPE SHALL CONFORM WITH ANSI/AWWA C150/A21.50 AND C151/ A21.51, AND SHALL HAVE A MINIMUM WORKING PRESSURE OF 150 PSI. BURIED PIPE SHALL COMPLY WITH THE FOLLOWING PRESSURE CLASS (PC) DESIGNATIONS UNLESS OTHERWISE INDICATED ON THE DRAWINGS: A) 12" DIAMETER AND SMALLER = PC 350; B) 14" THROUGH 24" DIAMETER = PC 250; C) 30" THROUGH 64" DIAMETER = PC 200.
4. EXPOSED PIPE 4" AND LARGER SHALL BE DUCTILE IRON FLANGED AND SHALL CONFORM WITH AWWA/ANSI C115/A21.15, AND SHALL HAVE A MINIMUM WORKING PRESSURE OF 150 PSI. FLANGED PIPE SHALL COMPLY WITH THE FOLLOWING THICKNESS CLASS (TC) DESIGNATIONS UNLESS OTHERWISE INDICATED ON THE DRAWINGS: A) 4" DIAMETER = TC 54; B) 6" THROUGH 24" DIAMETER = TC 53
5. DUCTILE IRON PIPE AND FITTINGS WITHIN 10 FEET OF GAS MAINS SHALL HAVE AN 8-MIL POLYETHYLENE WRAP IN ACCORDANCE WITH ANSI/ASTM D1248.
6. PVC PIPE 4" - 12" SHALL CONFORM TO AWWA C900. PIPE 14" - 36" SHALL CONFORM TO AWWA C905. PIPE SHALL CONFORM TO ASTM D1784, TYPE I, GRADE I, 4000 PSI DESIGN STRESS, AND SHALL BE NATIONAL SANITATION FEDERATION (NSF) APPROVED. PIPE SHALL BE CLASS 150 (DR18) WITH MARKINGS ON EACH SECTION SHOWING CONFORMANCE TO THE ABOVE SPECIFICATIONS. JOINTS SHALL BE RUBBER GASKETED CONFORMING TO AWWA C900 OR C905 THE BELL SHALL BE INTEGRAL WITH THE PIPE AND OF EQUAL OR GREATER PRESSURE RATING. THE BELL OF PIPE AND FITTINGS USING PUSH-ON JOINTS SHALL HAVE AN INTEGRAL GROOVE TO RETAIN THE GASKET IN PLACE.
7. ALL FITTINGS SHALL BE MANUFACTURED OF DUCTILE IRON, CONFORMING TO ANSI/AWWA C110/A21.10 OR ANSI/AWWA C153/A21.53. ALL FULL BODY (C110/A21.10) FITTINGS SHALL BE PRESSURE RATED TO 250 PSI, MINIMUM. ALL COMPACT FITTINGS (C153/A21.53) SHALL BE PRESSURE RATED TO 350 PSI, MINIMUM.
8. ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE LINED AND COATED. INTERIOR LINING SHALL BE STANDARD THICKNESS ANSI A21.4 CEMENT MORTAR LINING AND BITUMINOUS SEAL COAT. EXTERIOR COATING FOR BURIED PIPE AND FITTINGS SHALL HAVE AN ANSI A21.51 OR A21.10 BITUMINOUS COATING. EXTERIOR COATING OF EXPOSED PIPE AND FITTINGS SHALL BE FACTORY APPLIED RUST INHIBITING EPOXY PRIMER, MINIMUM 3 MILS DRY FILM THICKNESS. AFTER INSTALLATION, EXTERIOR SURFACES SHALL BE PAINTED WITH TWO COATS TNEMEC SERIES 2 TNEME_GLOSS, GLIDDEN LIFE MASTER PRO HIGH PERFORMANCE ACRYLIC NO. 6900 SERIES, OR EQUAL, AT MINIMUM 4 MILS DRY FILM THICKNESS PER COAT. PAINT COLOR TO BE IN ACCORDANCE WITH LOCAL UTILITY REQUIREMENTS.
9. MECHANICAL AND PUSH ON JOINTS FOR DUCTILE IRON PIPE AND FITTINGS SHALL BE RUBBER GASKETED, CONFORMING TO ANSI/AWWA C111/A21.11. LUBRICANTS OTHER THAN THAT FURNISHED BY THE PIPE MANUFACTURER WITH THE PIPE SHALL NOT BE USED.
10. ALL FITTINGS SHALL BE RESTRAINED IN ACCORDANCE WITH DIPRA, "THRUST RESTRAINT DESIGNED FOR DUCTILE IRON PIPE". PIPE JOINTS SHALL BE RESTRAINED UPSTREAM AND DOWNSTREAM OF FITTINGS IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS OR THE TABLE SHOWN IN THE DRAWINGS, WHICHEVER IS GREATER. DUCTILE IRON RESTRAINED JOINTS SHALL BE AMERICAN FAST GRIP GASKET, FLEX-RING, FIELD FLEX RING, LOK-RING, US PIPE TR-FLEX, EBAA MEGALUG, OR EQUAL. PVC PIPE JOINTS SHALL BE RESTRAINED USING MECHANICAL DEVICES, UNI-FLANGE BLOCK BUSTER SERIES 1350 OR ENGINEER APPROVED EQUAL.
11. ALL SERVICE PIPING (½" -3") SHALL BE POLYVINYL CHLORIDE (PVC) SCH 40 WATER PIPE WITH SCH 80 FITTINGS: PIPE SHALL CONFORM TO ASTM D 2241, WITH SDR 21 RATING, CONTINUALLY MARKED WITH MANUFACTURER'S NAME, PIPE SIZE, CELL CLASSIFICATION, SDR RATING, AND ASTM D1784 MATERIAL CLASSIFICATION.
12. ALL SERVICE SADDLES SHALL CONSIST OF DUCTILE IRON BODIES IN ACCORDANCE WITH ASTM A536, WITH DOUBLE STAINLESS STEEL STRAPS, BOLTS, WASHERS AND NUTS. STAINLESS STEEL TO BE TYPE 304. NUTS TO BE TEFLON COATED. DUCTILE IRON BODY TO BE FUSION BONDED NYLON COATING, MINIMUM THICKNESS 12 MILS. OUTLET OF SADDLE TO HAVE NPT THREADS.
13. ALL SERVICES SHALL INCLUDE THE FOLLOWING: CURB STOPS, UNIONS AS REQUIRED, CORPORATION STOPS. CONFORMANCE WITH AWWA C800 AND C901 IS REQUIRED. THE CONTRACTOR SHALL CUT "W" IN THE TOP CURB OF EACH WATER SERVICE AND A "V" AT ALL VALVE LOCATIONS. CUT W'S AND V'S SHALL BE HIGHLIGHTED WITH BLUE PAINT.
14. UNLESS OTHERWISE NOTED IN THE PLANS, THE UTILITY COMPANY SHALL PROVIDE AND INSTALL WATER METERS AND RECLAIMED WATER METERS. CONTRACTOR SHALL CONSTRUCT WATER SERVICE AND RECLAIMED WATER SERVICE TO THE CORPORATION STOP.
15. UNLESS OTHERWISE INDICATED OR SPECIFIED, ALL VALVES TWO INCHES AND SMALLER SHALL BE ALL BRASS OR BRONZE; VALVES OVER TWO INCHES SHALL BE IRON BODY, FULLY BRONZE OR BRONZE MOUNTED.
16. VALVES 4 INCHES AND LARGER SHALL BE LINED AND COATED. INTERIOR OF VALVES SHALL BE COATED WITH A RUST INHIBITING EPOXY PRIMER, FOLLOWED BY A COAL TAR EPOXY, TOTAL MINIMUM DRY FILM THICKNESS OF 16 MILS, APPLIED AT THE FACTORY. EXTERIOR COATING ON BURIED VALVES SHALL BE RUST INHIBITING EPOXY PRIMER, FOLLOWED BY A COAL TAR EPOXY, TOTAL MINIMUM DRY FILM THICKNESS OF 16 MILS, APPLIED AT THE FACTORY. EXTERIOR COATING OF EXPOSED VALVES SHALL BE FACTORY APPLIED RUST INHIBITING EPOXY PRIMER, MINIMUM 3 MILS DRY FILM THICKNESS. AFTER INSTALLATION, EXTERIOR SURFACES SHALL BE PAINTED WITH TWO COATS TNEMEC SERIES 2 TNEME-GLOSS, GLIDDEN LIFE MASTER PRO HIGH PERFORMANCE ACRYLIC NO. 6900 SERIES, OR EQUAL, AT 4 MILS MINIMUM DRY FILM THICKNESS PER COAT. PAINT COLOR TO BE IN ACCORDANCE WITH LOCAL UTILITY REQUIREMENTS.
17. ALL VALVES 16" AND SMALLER SHALL BE GATE VALVES UNLESS OTHERWISE INDICATED ON THE DRAWINGS. GATE VALVES 3 INCHES TO 12 INCHES SHALL CONFORM TO AWWA C515. THE VALVES SHALL BE IRON BODY, CAST IRON FULLY ENCAPSULATED MOLDED RUBBER WEDGE COMPLYING WITH ASTM D2000, NON-RISING STEM WITH O-RING SEALS. VALVES SHALL OPEN COUNTERCLOCKWISE.
18. TAPPING VALVES AND SLEEVES SHALL BE APPROVED AWWA TYPE OF THE SIZE REQUIRED. VALVES SHALL CONFORM TO THE REQUIREMENTS OF AWWA C509.
19. VALVES 18" AND LARGER SHALL BE BUTTERFLY VALVES. BUTTERFLY VALVES SHALL MEET OR EXCEED THE DESIGN STRENGTH, TESTING AND PERFORMANCE REQUIREMENTS OF AWWA C504, CLASS 150. VALVE BODY SHALL BE MECHANICAL JOINT END TYPE VALVE CONSTRUCTED OF CAST IRON OR DUCTILE IRON. DISC SHALL BE ONE PIECE CAST DESIGN WITH NO EXTERNAL RIBS TRANSVERSE TO FLOW. DISC SHALL BE CAST IRON OR DUCTILE IRON. THE RESILIENT SEAT SHALL MATE WITH A 304 OR 316 STAINLESS STEEL SURFACE.
20. VALVE SEATS SHALL BE MECHANICALLY RETAINED, AND MAY BE INSTALLED ON EITHER THE BODY OR DISC. O-RING SEATS ON VALVE DISCS ARE UNACCEPTABLE. SEATS FOR VALVES 14" DIAMETER AND LARGER SHALL BE FULLY FIELD REPLACEABLE WITHOUT THE USE OF SPECIAL TOOLS. OPERATORS OF THE ENCLOSED TRAVELING-NUT TYPE SHALL BE PROVIDED UNLESS OTHERWISE INDICATED.
21. ALL BURIED VALVES SHALL BE PROVIDED WITH ADJUSTABLE VALVE BOXES APPROXIMATELY 5 INCHES IN DIAMETER WITH A MINIMUM THICKNESS OF 3/16 INCH CAST IRON. BOXES SHALL BE OF SUFFICIENT LENGTH TO OPERATE ALL VALVES BURIED IN THE GROUND, CONSISTING OF BASE, CENTER SECTION, AND TOP SECTION WITH COVER. VALVE BOXES LOCATED IN UNPAVED AREAS SHALL BE SLIP TYPE DESIGN TO PERMIT MOVEMENT OF THE TOP SECTION WITHOUT TRANSMITTING FORCES ONTO THE VALVE BODY. VALVE BOXES CAST INTO CONCRETE OR ASPHALT SURFACING SHALL HAVE BRASS COVERS. ALL VALVE BOX COVERS SHALL BE INTERNALLY CHAINED TO VALVE BOXES WITH AN APPROXIMATELY 18 INCH GALVANIZED CHAIN. VALVE BOX COVERS SHALL BE CAST WITH THE INSCRIPTION "WATER" OR "RECLAIMED WATER".
22. PVC PIPE SHALL BE COLOR CODED BLUE (WATER MAINS) OR PURPLE (RECLAIMED WATER MAINS), STENCILED "WATER LINE" OR "RECLAIMED WATER LINE", AS APPLICABLE, (2" LETTERING ON TWO SIDES OF THE PIPE IN AT LEAST THREE AREAS PER PIPE SECTION).
23. INSTALL IDENTIFICATION TAPE ALONG ALL DUCTILE IRON PIPE AND PVC PIPE, MINIMUM THICKNESS 4 MILS, WIDTH 6 INCHES, LETTER SIZE 1 INCH. TAPE COLOR AND LETTERING SHALL BE BLACK PRINTING ON BLUE BACKGROUND (WATER MAINS), BLACK PRINTING ON PURPLE BACKGROUND (RECLAIMED WATER MAINS). PLACE TAPE AS FOLLOWS: 2" - 8" PIPE - CENTER ALONG TOP HALF OF PIPE; 10" - 18" PIPE - PLACE ALONG BOTH SIDES OF THE TOP HALF OF PIPE; 20" PIPE AND LARGER - PLACE ON BOTH SIDES OF TOP HALF OF PIPE WITH A THIRD STRIP CENTERED ALONG TOP HALF OF PIPE.
24. INSTALL WARNING TAPE ALONG ALL PIPELINES. TAPE SHALL BE 6-INCH WIDE VINYL CONTINUOUS TAPE. TAPE SHALL BE COLORED BLUE (WATER MAINS) OR PURPLE (RECLAIMED WATER MAINS) WITH BLACK LETTERING, CODED AND WORDED "CAUTION: WATER MAIN BURIED BELOW", OR "CAUTION: RECLAIMED WATER MAIN BURIED BELOW", APPLICABLE.
25. INSTALL LOCATING WIRE ALONG ALL PVC PIPELINES. WIRE SHALL BE COLOR-CODED 14 GAUGE CONTINUOUS INSULATED WIRE. COLOR CODING SHALL BE SIMILAR TO WARNING TAPE COLORS. INSTALL LOCATOR WIRE ALONG ALL PRESSURIZED PIPELINES 2" AND LARGER. LOOP WIRE INTO ALL VALVE BOXES. LOOPING TO OCCUR EVERY 500 FEET MINIMUM. WHERE THERE ARE NO VALVE BOXES TO ALLOW LOOPING, PROVIDE ACCESS BOXES PER CITY REQUIREMENTS. CHECK WIRE FOR ELECTRICAL CONTINUITY.
26. ALL CHANGES IN DIRECTION SHALL BE MADE WITH FITTINGS OR APPROVED JOINT DEFLECTION. BENDING OF PIPE, EXCEPT COPPER AND POLYETHYLENE, IS PROHIBITED. JOINT DEFLECTION SHALL NOT EXCEED 75% OF THE MANUFACTURER'S RECOMMENDED MAXIMUM DEFLECTION.
27. TEST PROCEDURES SHALL BE APPROVED BY THE ENGINEER. ALL TESTS SHALL BE MADE IN THE PRESENCE OF THE ENGINEER AND UTILITY. NOTIFY THE ENGINEER AND THE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY WORK IS TO BE INSPECTED OR TESTED.
28. PROVIDE ALL EQUIPMENT FOR TESTING. INCREMENTS ON GAGES USED FOR LOW PRESSURE AIR TESTING SHALL BE OF SCALED TO THE NEAREST 0.1 PSI. GAGES, PUMPS, AND HOSES SHALL BE IN GOOD WORKING ORDER WITH NO NOTICEABLE LEAKS.
29. ALL SERVICE LINES SHALL BE COMPLETED PRIOR TO TESTING, AND ARE SUBJECT TO THE SAME TESTING REQUIREMENTS AS THE MAIN LINE.
30. APPLY HYDROSTATIC TEST PRESSURE OF 150 PSI (WATER MAINS), 200 PSI (FIRE MAINS), OR 100 PSI (RECLAIMED WATER MAINS) FOR 10 MINUTES AND FOR SUCH ADDITIONAL PERIOD NECESSARY FOR THE ENGINEER TO COMPLETE THE INSPECTION OF THE LINE UNDER TEST. DO NOT EXCEED PIPE MANUFACTURER'S SUGGESTED TIME DURATION AT THE TEST PRESSURE. IF DEFECTS ARE NOTED, REPAIRS SHALL BE MADE AND THE TEST REPEATED UNTIL ALL PARTS OF THE LINE WITHSTAND THE TEST PRESSURE.
31. APPLY LEAKAGE TEST PRESSURE OF 150 PSI (WATER MAINS), 200 PSI (FIRE MAINS) OR 100 PSI (RECLAIMED WATER MAINS). MAINTAIN PRESSURE AT A MAXIMUM VARIATION OF 5% DURING THE ENTIRE LEAKAGE TEST. THE DURATION OF THE LEAKAGE TEST SHALL BE TWO HOURS MINIMUM, AND FOR SUCH ADDITIONAL TIME NECESSARY FOR THE ENGINEER TO COMPLETE INSPECTION OF THE SECTION OF LINE UNDER TEST. LEAKAGE MEASUREMENTS SHALL NOT BE STARTED UNTIL A CONSTANT TEST PRESSURE HAS BEEN ESTABLISHED. THE LINE LEAKAGE SHALL BE MEASURED BY MEANS OF A WATER METER INSTALLED ON THE SUPPLY SIDE OF THE PRESSURE PUMP.
32. NO LEAKAGE IS ALLOWED IN EXPOSED PIPING, BURIED PIPING WITH FLANGED, THREADED, OR WELDED JOINTS OR BURIED NON_POTABLE PIPING IN CONFLICT WITH POTABLE WATER LINES.
33. TESTED SECTIONS OF BURIED PIPING WITH SLIP_TYPE OR MECHANICAL JOINTS WILL NOT BE ACCEPTED IF IT HAS A LEAKAGE RATE IN EXCESS OF THAT RATE DETERMINED BY THE FORMULA L = SDP/133200 (AWWA C-600 DUCTILE IRON MAINS), OR L = NDP/7400 (AWWAC-605 - PVC MAIN); WHERE L = MAXIMUM PERMISSIBLE LEAKAGE RATE, IN GALLONS PER HOUR, THROUGHOUT THE ENTIRE LENGTH OF LINE BEING TESTED; S = LENGTH OF LINE TESTED (IN FEET); D = NOMINAL INTERNAL DIAMETER (IN INCHES) OF THE PIPE; N = NUMBER OF JOINTS ALONG LINE BEING TESTED; AND P = THE SQUARE ROOT OF THE ACTUAL PRESSURE IN PSIG ON ALL JOINTS IN THE TESTED PORTION OF THE LINE. THIS ACTUAL PRESSURE SHALL BE DETERMINED BY FINDING THE DIFFERENCE BETWEEN THE AVERAGE ELEVATION OF ALL TESTED PIPE JOINTS AND THE ELEVATION OF THE PRESSURE GAUGE AND ADDING THE DIFFERENCE IN ELEVATION HEAD TO THE AUTHORIZED TEST PRESSURE.
34. ALL APPARENT LEAKS DISCOVERED WITHIN ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE WORK BY THE OWNER SHALL BE LOCATED AND REPAIRED BY CONTRACTOR, REGARDLESS OF THE TOTAL LINE LEAKAGE RATE.
35. DISINFECT ALL POTABLE WATER LINES, FIRE LINES, VALVES, FITTINGS, HYDRANTS.
36. ALL DISINFECTION WORK SHALL BE ACCEPTABLE TO THE STATE HEALTH AUTHORITY. IF ANY REQUIREMENTS OF THIS SECTION ARE IN CONFLICT WITH REQUIREMENTS OF THE AUTHORITY FOR DISINFECTION, THOSE OF THE AUTHORITY SHALL GOVERN. THE WATER MAIN DISINFECTION AND BACTERIOLOGICAL SAMPLING AND METHODS OF DISINFECTION FOR ALL WATER CONTAINMENT DEVICES AND PIPING SYSTEMS SHALL CONFORM TO AWWA C651.

FIRE PROTECTION SYSTEMS

1. COMBUSTIBLE CONSTRUCTION CANNOT OCCUR UNTIL PROPER DOCUMENTATION HAS BEEN SUBMITTED TO THE LOCAL FIRE MARSHAL. DOCUMENTATION SHALL SHOW THAT HYDRANTS HAVE BEEN INSTALLED, TESTED, AND ARE IN PROPER WORKING ORDER.
2. ALL FIRE LINE PIPING FROM POINT OF SERVICE AS DEFINED BY FS 633.021(16) SHALL BE C900 DR 14. THE FIRE LINE SHALL BE PRESSURE TESTED TO 200 PSI FOR A MINIMUM OF TWO HOURS, TESTED IN ACCORDANCE WITH NFPA 24-9-2.
3. THE CONTRACTOR INSTALLING THE UNDERGROUND FIRE PROTECTION PIPING SHALL HOLD A CLASS I, II, OR LEVEL V CERTIFICATION AS ISSUED BY THE STATE OF FLORIDA, AS REQUIRED BY FS 633.021(5).
4. ALL FIRE PROTECTION SPRINKLER SYSTEMS INSTALLED SHALL COMPLY WITH NFPA 13, AND SHALL BE MONITORED BY A COMPANY LISTED AS A CENTRAL STATION.
5. HYDRANTS SHALL CONFORM TO AWWA C502 AND SHALL BE FURNISHED COMPLETE WITH WRENCH AND OTHER APPURTENANCES. MANUFACTURER'S CERTIFICATION OF COMPLIANCE WITH AWWA C502 AND TESTS LISTED THEREIN WILL BE REQUIRED.
6. ALL HYDRANTS SHALL BE OF BREAKABLE TYPE, WITH THE BREAKABLE SECTION LOCATED SLIGHTLY ABOVE THE FINISH GROUND LINE. HYDRANTS SHALL CONTAIN TWO-TWO AND A HALF INCH (2-1/2") HOSE CONNECTIONS AND ONE-FOUR AND A HALF INCH (4-1/2") STEAMER CONNECTIONS WITH NATIONAL STANDARD FIRE HOSE COUPLING SCREW THREADS, FIVE AND ONE QUARTER INCH (5-1/4") VALVE OPENING, SIX INCH (6") DIAMETER MECHANICAL JOINT INLET, ONE AND ONE-HALF INCH (1-1/2") PENTAGON OPERATING NUT. THE HYDRANTS SHALL OPEN COUNTERCLOCKWISE.
7. ALL HYDRANTS SHALL BE PAINTED IN AN APPROVED MANNER WITH THE PRIMER PAINT BEING KOPPER'S "GLAMORTEX" NO. 622 RUST PRIMER AND THE FINISH PAINT SHALL BE TWO COATS OF ENAMEL OR SPECIAL COATING TO COLOR AS REQUIRED BY THE LOCAL FIRE DEPARTMENT.
8. BLUE PAVEMENT REFLECTORS (CAT EYES) SHALL BE PLACED IN THE CENTERLINE OF THE DRIVING LANE DIRECTLY IN FRONT OF ALL FIRE HYDRANTS. THERE SHALL BE NO TREES, SHRUBS, OR LANDSCAPING PLANTED AROUND THE FIRE HYDRANTS OR IN AREAS DESIGNATED AS FIRE LANES.
9. THE CONTRACTOR SHALL PROVIDE A POST-CONSTRUCTION FIRE FLOW TEST WITNESSED AND APPROVED BY THE ENGINEER AND THE UTILITY. HYDRANTS SHALL DELIVER A MINIMUM OF 1250 GPM WITH A RESIDUAL PRESSURE OF 20 PSI.

SIGNS AND PAVEMENT MARKINGS

1. ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND THE LATEST IMPLEMENTED EDITION OF FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS. STANDARD INDEX NO. 11200, 11860, 11862, 11865, 17302, 17346 AND 17349 APPLY. GENERALLY, ALL MARKINGS SHALL CONFORM TO THE FOLLOWING: 6" EDGE LINES, 6" LANE LINES, 6" SINGLE CENTERLINES, AND 6" DOUBLE LINE PATTERNS, UNLESS OTHERWISE NOTED ON THE PLANS.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC WITH RAISED REFLECTIVE PAVEMENT MARKERS (TYPE 911 - 4" x 4"). RAISED REFLECTIVE PAVEMENT MARKERS ARE TO BE INSTALLED IN ACCORDANCE WITH THESE PLANS AND FDOT INDEX NO. 17352.
3. PARKING STALL PAVEMENT MARKINGS SHALL BE PAINTED. PAINT SHALL MEET THE REQUIREMENTS OF FDOT SPECIFICATION SECTION 971, NON-REFLECTIVE WHITE TRAFFIC PAINT.
4. ALL ROADWAY TRAFFIC SIGNS SHALL BE MANUFACTURED USING HIGH INTENSITY RETROREFLECTIVE MATERIALS. THE BACK OF ALL FINISHED PANELS SHALL BE STENCILED WITH THE DATE OF FABRICATION, THE FABRICATOR'S INITIALS, AND THE NAME OF THE SHEETING IN THREE-INCH LETTERS.
5. INTERNAL SITE TRAFFIC SIGNS ARE NOT REQUIRED TO BE RETROREFLECTIVE.
6. THE CONTRACTOR SHALL VERIFY THE REQUIRED LENGTH OF THE SIGN COLUMN SUPPORTS IN THE FIELD PRIOR TO FABRICATION.
7. ALL PAVEMENT MARKINGS REQUIRE LAYOUT APPROVAL IN THE FIELD BY THE ENGINEER PRIOR TO INSTALLATION.
8. PRIOR TO FINAL PAVEMENT MARKING INSTALLATION, A TWO WEEK CURE TIME OF THE ASPHALT IS REQUIRED.

SANITARY SEWER SYSTEMS

1. THE ENTITIES THAT WILL OPERATE AND MAINTAIN THE SEWER SYSTEM SHOWN ON THESE PLANS ARE WAL-MART STORES EAST, LP., FIRST STREET GROUP AND THE CITY OF ALACHUA. THE CONTRACTOR SHALL MEET ALL THE REQUIREMENTS OF THESE ENTITIES.
2. PVC SEWER PIPE SHALL BE TYPE PSM PVC PIPE CONFORMING TO ASTM D3034 AND SHALL BE SDR 35 FOR 4" THROUGH 15", AND ASTM F 679, WALL THICKNESS T-1, FOR PIPE 18" THROUGH 27". SANITARY SEWER PIPE MATERIALTHAT IS UTILIZED SHALL BE DETERMINED BY THE DEPTH AT WHICH IS INSTALLED.

   DEPTH OF SANITARY SEWER THE FOLLOWING PIPE MATERIAL SHALL BE USED:
   0' - 12' DEPTH: SDR 35 PVC
   >12' - 20' DEPTH: SDR 26 PVC
   > 20' DEPTH: EPOXY LINED D.I. PIPE C-350
3. JOINTS SHALL MEET THE REQUIREMENTS OF ASTM D3212 USING RUBBER GASKETS CONFORMING TO ASTM F477.
4. FITTINGS SHALL CONFORM TO THE SAME REQUIREMENTS AS THE PIPE. PROVIDE ADAPTERS AS REQUIRED TO JOIN PVC PIPE TO PIPE, FITTINGS AND EQUIPMENT OF OTHER MATERIALS. SOLVENT CEMENT SHALL BE AS RECOMMENDED BY THE PIPE MANUFACTURER.
5. PVC SEWER PIPE SHALL BE COLOR CODED GREEN, STENCILED "SEWER LINE" (2" LETTERING ON TWO SIDES OF THE PIPE IN AT LEAST THREE AREAS PER PIPE SECTION).
6. INSTALL ADHESIVE IDENTIFICATION TAPE ALONG PIPELINE. TAPE SHALL BE MINIMUM THICKNESS 4 MILS, WIDTH 6 INCHES, LETTER SIZE 1 INCH. TAPE COLOR AND LETTERING SHALL BE "SEWER LINE", BLACK PRINTING ON GREEN BACKGROUND. PLACE TAPE AS FOLLOWS: 2" - 8" PIPE - CENTER ALONG TOP HALF OF PIPE; 10" - 18" PIPE - PLACE ALONG BOTH SIDES OF THE TOP HALF OF PIPE; 20" PIPE AND LARGER - PLACE ON BOTH SIDES OF TOP HALF OF PIPE WITH A THIRD STRIP CENTERED ALONG TOP HALF OF PIPE.
7. INSTALL WARNING TAPE ALONG ALL SEWER PIPELINES. TAPE SHALL BE 6-INCH WIDE VINYL CONTINUOUS TAPE, COLORED GREEN WITH BLACK LETTERING CODED AND WORDED "CAUTION: SEWER BURIED BELOW". INSTALL ALONG PIPELINE, 2 FEET ABOVE PIPE, MINIMUM OF 1 FOOT BELOW GRADE.
8. PRIOR TO INSPECTIONS AND TESTING, CLEAN ALL INSTALLED LINES AND MANHOLES. TEST PROCEDURES SHALL BE APPROVED BY THE ENGINEER. ALL TESTS SHALL BE MADE IN THE PRESENCE OF THE ENGINEER AND UTILITY. NOTIFY THE ENGINEER AND THE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY WORK IS TO BE INSPECTED OR TESTED.
9. PROVIDE ALL EQUIPMENT FOR TESTING. INCREMENTS ON GAGES USED FOR LOW PRESSURE AIR TESTING SHALL BE OF SCALED TO THE NEAREST 0.1 PSI. GAGES, PUMPS, AND HOSES SHALL BE IN GOOD WORKING ORDER WITH NO NOTICEABLE LEAKS.
10. ALL SERVICE LATERALS SHALL BE COMPLETED PRIOR TO TESTING, AND ARE SUBJECT TO THE SAME TESTING REQUIREMENTS AS THE MAIN LINE.
11. PROVIDE LIGHT SOURCE AND MIRRORS FOR LAMPING OF SEWER. ANY SEWER IN WHICH THE DIRECT LIGHT OF A LAMP CANNOT BE VIEWED IN EITHER DIRECTION, FULL CIRCLE, BETWEEN ADJACENT MANHOLES SHALL BE CONSIDERED UNSATISFACTORY, UNLESS THE LINE IS DESIGNED WITH HORIZONTAL DEFLECTIONS, AND SHALL BE REPAIRED BY THE CONTRACTOR WITHOUT ADDITIONAL COMPENSATION.
12. CONDUCT LOW PRESSURE AIR TESTING (4.0 PSI INITIAL PRESSURE) OF INSTALLED SEWER PIPING IN ACCORDANCE WITH ASTM F1417. MAXIMUM ALLOWABLE LEAKAGE IS 0.0015 CUBIC FEET PER MINUTE PER SQUARE FOOT INTERNAL SURFACE AREA BEING TESTED. ALLOWABLE AIR PRESSURE DROP DURING THE TEST IS 0.5 PSIG. MINIMUM REQUIRED TEST TIME (DURATION) IS: A) 4" PIPE = 1 MIN 53 SEC; B) 6" PIPE = 2 MIN 50 SEC, OR 0.427 X LENGTH OF PIPE TESTED, WHICHEVER IS GREATER; C) 8" PIPE = 3 MIN 47 SEC, OR 0.760 X LENGTH OF PIPE TESTED, WHICHEVER IS GREATER; D) 10" PIPE = 4 MIN 43 SEC, OR 1.187 X LENGTH OF PIPE TESTED, WHICHEVER IS GREATER; E) 12" PIPE = 5 MIN 40 SEC, OR 1.709 X LENGTH OF PIPE TESTED, WHICHEVER IS GREATER.
13. CONDUCT LEAKAGE TESTING OF MANHOLES. PLUG INVERTS AND FILL MANHOLE WITH WATER. ALLOWABLE WATER DROP IN MANHOLE TO BE FIELD DETERMINED BY UTILITY AND ENGINEER. MINIMUM TEST DURATION IS 1 HOUR.
14. CONDUCT DEFLECTION TESTING OF PIPELINE AFTER THE FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 30 DAYS. MAXIMUM ALLOWABLE PIPE DEFLECTION IS 5%. MEASURE DEFLECTION BY MANUALLY PULLING A MANDREL THROUGH THE PIPE. THE MINIMUM MANDREL OUTER DIAMETER SHALL BE IN ACCORDANCE WITH THE FOLLOWING: 6" SEWER = 5.45" MANDREL; 8" SEWER = 7.28" MANDREL; 10" SEWER = 9.08" MANDREL; 12" SEWER = 10.79" MANDREL; 15" SEWER = 13.20" MANDREL; 18" SEWER = 16.13" MANDREL; 21" SEWER = 19.00" MANDREL; 24" SEWER = 21.36" MANDREL; 27" SEWER = 24.06" MANDREL.
16. DEFLECTION TESTING IS CONSIDERED SATISFACTORY IF THE MANDREL CAN BE PULLED BY HAND THROUGH THE PIPE BEING TESTED. IF THE MANDREL CANNOT BE PULLED THROUGH THE PIPE, REPLACE OR CORRECT THE PIPE AND RETEST UNTIL TESTING IS SATISFACTORY. ANY PIPE REMOVED OR CORRECTED DUE TO FAILING DEFLECTION TESTING SHALL ALSO BE RE-TESTED FOR LEAKAGE.

PRECAST STRUCTURES AND APPURTENANCES

1. ALL MANHOLES SHALL BE PRECAST CONSTRUCTION. THE MINIMUM SIZE DIAMETER OF MANHOLES SHALL BE 48" FOR SEWER LINES 21" IN DIAMETER OR LESS. INTEGRALLY CAST STEPS WITHIN PRECAST STRUCTURES ARE NOT ALLOWED.
2. BASES SHALL BE ONE-PIECE PRECAST BASE SECTIONS CONSISTING OF INTEGRALLY CAST SLAB, BOTTOM RING SECTION AND CONCRETE FLOW CHANNELS. BASE SECTIONS SHALL HAVE INTEGRAL INVERTS WITH GASKETS TO MATCH THE PIPE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING ALL INVERT ANGLES. PROVIDE OUTLET STUBS WITH JOINTS TO MATCH THE PIPE.
3. RISERS SHALL BE PRECAST REINFORCED CONCRETE PER ASTM C478, MANUFACTURED USING SULFATE RESISTANT CEMENT (ASTM C150, TYPE II). RISERS SHALL BE 48-INCH DIAMETER UNLESS OTHERWISE INDICATED AND SHALL HAVE A MINIMUM WALL THICKNESS OF 5 INCHES.
4. GASKETS FOR SEATING PRECAST SECTIONS SHALL BE COLD ADHESIVE PREFORMED PLASTIC GASKETS CONFORMING TO FDOT SPECIFICATION 942-2, UNLESS OTHERWISE INDICATED.
5. UNLESS OTHERWISE INDICATED, CONE TOP SECTIONS SHALL BE PRECAST, ECCENTRIC TYPE WITH 24_INCH DIAMETER TOP OPENING CONFORMING TO ASTM C478. PROVIDE 8-INCH MINIMUM THICKNESS FLAT SLAB TOPS WITH ECCENTRIC 24 INCH DIAMETER OPENING, UNLESS OTHERWISE INDICATED.
6. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO PROVIDE A FLEXIBLE WATERTIGHT SEAL OF THE PIPE TO THE MANHOLE. NO ADHESIVES OR LUBRICANTS SHALL BE EMPLOYED IN THE INSTALLATION OF THE CONNECTOR INTO THE MANHOLE. THE RUBBER CONNECTOR SHALL COMPLY WITH ASTM C443 AND ASTM C923. ALL STAINLESS STEEL ELEMENTS OF THE CONNECTOR SHALL BE TOTALLY NON-MAGNETIC SERIES 316 STAINLESS, EXCLUDING THE WORM SCREW FOR TIGHTENING THE STEEL BAND AROUND THE PIPE WHICH SHALL BE TORQUED BY A BREAKAWAY TORQUE WRENCH AVAILABLE FROM THE PRECAST MANHOLE SUPPLIER, AND SET FOR 60-70 INCH/LBS. THE CONNECTOR SHALL BE INSTALLED IN THE MANHOLE WALL BY ACTIVATING THE EXPANDING MECHANISM IN STRICT ACCORDANCE WITH THE RECOMMENDATION OF THE CONNECTOR MANUFACTURER.
7. FRAMES AND COVERS SHALL BE GREY IRON PER ASTM A48, CLASS 30B AND SHALL BE US FOUNDRY TYPE 227AS, TRAFFIC BEARING (AASHTO H-20 LOADING), UNLESS OTHERWISE NOTED IN THE DRAWINGS. CASTINGS SHALL BE SMOOTH, CLEAN, FREE FROM BLISTERS, BLOWHOLES, SHRINKAGE. RAISED LETTERING ON COVERS SHALL BE "STORM", "SEWER", OR AS DETAILED ON THE DRAWINGS.
8. PROVIDE INLETS, FRAMES, AND GRATES IN ACCORDANCE WITH DETAILS ON THE DRAWINGS. ALL FRAMES AND INLET GRATES SHALL BE PRODUCTS OF U.S. FOUNDRY & MANUFACTURING CORPORATION, OR EQUAL.
9. ALL INLET GRATES SHALL BE SECURED BY CHAIN AND EYEBOLT TO THE TOP OF THE STRUCTURE.
10. MANHOLE COATINGS AND FINISHES SHALL BE:
    - A. SANITARY SEWER MANHOLE INTERIOR - BITUMINOUS EPOXY COATING, MINIMUM DRY FILM THICKNESS = 16 MILS.
    - B. INTERIOR OF MANHOLES WHICH RECEIVE FORCE MAIN DISCHARGE - INTEGRALLY ATTACHED INTERIOR LINER, FULL HEIGHT, FIBERGLASS LINER. LINER THICKNESS TO BE IN ACCORDANCE WITH THE DRAWINGS.
    - C. EXTERIOR - BITUMINOUS EPOXY COATING, MINIMUM DRY FILM THICKNESS = 16 MILS.
11. AS-BUILT INFORMATION SHALL INCLUDE ALL RIM, TOP AND INVERT ELEVATIONS FOR ALL PRECAST STRUCTURES.

STORM SEWER SYSTEMS

1. ALL STORM SEWER PIPE SHALL BE REINFORCED CONCRETE PIPE (RCP) UNLESS OTHERWISE INDICATED ON THE DRAWINGS OR SPECIFICATIONS. ROUND CONCRETE PIPE SHALL COMPLY WITH ASTM C76. ELLIPTICAL CONCRETE PIPE SHALL COMPLY WITH ASTM C507. PIPE JOINTS AND O-RING GASKETS SHALL COMPLY ASTM C443.
2. RCP PIPE SHALL NOT BE SHIPPED FROM MANUFACTURER UNTIL THE COMPRESSIVE STRENGTH OF THE PIPE HAS REACHED 4000 PSI AND A MINIMUM OF 5 DAYS HAVE PASSED SINCE THE MANUFACTURING OR REPAIR OF THE PIPE HAS BEEN COMPLETED.
3. CORRUGATED POLYETHYLENE (PE) PIPE AND FITTINGS SHALL BE HIGH DENSITY, IN ACCORDANCE WITH ASTM D3350, CELL CLASSIFICATION 324420C (4"-10") OR CELL CLASSIFICATION 335420C (12"-36"). PIPE 4"-10" SHALL COMPLY WITH AASHTO M252, TYPE S. PIPE 12"-36" SHALL COMPLY WITH AASHTO M294, TYPE S. BELL JOINTS FOR 4"-10" PIPE SHALL BE PUSH-ON SLEEVE. BELL JOINTS FOR 12"-36" PIPE SHALL BE INTEGRALLY FORMED ON PIPE. GASKETS SHALL BE INSTALLED BY PIPE MANUFACTURER AND SHALL COMPLY WITH ASTM D1056, GRADE 2A2. FITTINGS SHALL COMPLY WITH AASHTO M294.
4. UNDERDRAIN PIPE SHALL BE PERFORATED POLYVINYL CHLORIDE PIPE IN ACCORDANCE WITH ASTM F758. FILTER FABRIC UNDERDRAIN SOCK SHALL BE TYPE D-3 IN ACCORDANCE WITH FDOT INDEX NO. 199.
5. ALL PIPE JOINTS SHALL BE WRAPPED WITH FILTER FABRIC. FILTER FABRIC SHALL BE IN ACCORDANCE WITH FDOT INDEX NO. 199, TYPE D-3, A.O.S. 70-100. INSTALL IN ACCORDANCE WITH FDOT INDEX NO. 280. PROVIDE MINIMUM 12" OVERLAP.
6. INSTALL POLYETHYLENE PIPE IN ACCORDANCE WITH ASTM D2321. BACKFILL AND COMPACT EVENLY ON EACH SIDE TO PREVENT DISPLACEMENT.
7. INSTALL UNDERDRAINS IN ACCORDANCE WITH FDOT SPECIFICATION SECTION 440. INSTALL CLEANOUTS AS SHOWN ON THE DRAWINGS.
8. PRIOR TO INSPECTIONS AND TESTING, CLEAN ALL INSTALLED LINES AND STRUCTURES.
9. ALL STORM PIPE SHALL BE SUBJECTED TO LEAKAGE TESTING. WHEN THE GROUND WATER LEVEL IS ABOVE THE TOP OF THE PIPE, AN INFILTRATION TEST SHALL BE PERFORMED BY SEALING OFF A LENGTH OF PIPE AND MEASURING THE DEPTH OF FLOW OVER A MEASURING WEIR, OR BY PUMPING THE INFILTRATED WATER INTO CONTAINERS FOR MEASUREMENT. TESTS SHALL BE CONDUCTED FOR A MINIMUM OF FOUR HOURS. INFILTRATION LEAKAGE SHALL NOT EXCEED 150 GALLONS PER 24 HOURS, PER INCH DIAMETER, PER MILE OF PIPE. WHEN THE GROUND WATER LEVEL IS BELOW THE TOP OF THE PIPE, THE PIPE SHALL BE TESTED FOR LEAKAGE BY EXFILTRATION. EXFILTRATION LEAKAGE TEST SHALL CONSIST OF ISOLATING THE PARTICULAR SECTION, FILLING WITH WATER TO A POINT 4 FEET ABOVE THE TOP OF THE PIPE AT THE UPPER MANHOLE OR INLET, AND ALLOWING IT TO STAND NOT LESS THAN FOUR HOURS. THE SECTION SHALL THEN BE REFILLED WITH WATER UP TO THE ORIGINAL LEVEL AND AFTER TWO HOURS THE DROP IN WATER SURFACE SHALL BE MEASURED. THE COMPUTED LEAKAGE SHALL NOT EXCEED 150 GALLONS PER INCH DIAMETER, PER 24 HOURS, PER MILE OF PIPE.

PAVING, SIDEWALKS, AND CURBING

1. MATERIALS AND CONSTRUCTION METHODS FOR THE ROADWAY AND PAVING CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
2. ROADWAY PAVING, BASE, AND SUBGRADE THICKNESSES SHALL BE IN ACCORDANCE WITH DETAILS ON THESE DRAWINGS.
3. SIDEWALKS ARE TO BE CONSTRUCTED IN THE AREAS AS SHOWN ON THE CONSTRUCTION PLANS. HANDICAPPED RAMPS SHALL BE PROVIDED AT ALL INTERSECTIONS AND SHALL BE IN ACCORDANCE WITH THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION, LATEST EDITION.
4. CURBING SHALL BE CONSTRUCTED WHERE NOTED ON THE CONSTRUCTION PLANS. CONSTRUCTION OF CURBS SHALL BE IN CONFORMANCE WITH DETAILS PROVIDED ON THE CONSTRUCTION PLANS.
5. FIELD COMPACTION DENSITY, STABILITY, AND THICKNESS TESTING FREQUENCIES OF SUB-BASE, BASE, AND ASPHALT SHALL BE TESTED ONCE EVERY 300 LINEAR FEET OF PAVING PER 24-FT WIDE STRIP, STAGGERED LEFT, CENTER AND RIGHT OF CENTERLINE. WHERE LESS THAN 300 LINEAR FEET OF SUB-BASE, BASE, AND ASPHALT IS PLACED IN ONE DAY, PROVIDE MIN. OF ONE TEST FOR EACH PER DAY'S CONSTRUCTION AT A LOCATION DESIGNATED BY THE ENGINEER. ASPHALT EXTRACTION GRADATION SHALL BE TESTED FROM GRAB SAMPLES COLLECTED ONCE EVERY 1800 SQUARE YARDS OF ASPHALT DELIVERED TO THE SITE (OR A MINIMUM OF ONCE PER DAY).

PAVING TIMING REQUIREMENTS

1. INSTALL SUBGRADE AND BASE COURSE MATERIALS WITHIN 48 HOURS OF THE REMOVAL/OPEN CUTTING OF EXISTING PAVEMENT CONSISTING OF STREETS, DRIVEWAYS, OR SIDEWALK. INSTALL FINAL SURFACE COURSES WITHIN 14 DAYS AFTER REMOVAL OF EXISTING PAVEMENT.
2. AREAS TO RECEIVE ASPHALT SHALL RECEIVE EROSION CONTROL MEASURES NO LATER THAN 48 HOURS AFTER ACCEPTANCE OF BASE COURSE. TEMPORARY EROSION CONTROL CONSISTS OF PLACEMENT OF A BITUMINOUS PRIME COAT AND SANDING THE SURFACE. PERMANENT EROSION CONTROL CONSISTS OF PLACEMENT OF THE STRUCTURAL COURSE.
3. AREAS TO RECEIVE CONCRETE PAVING SHALL BE EITHER PROTECTED WITH A LAYER OF FDOT COARSE AGGREGATE MATERIAL OR SHALL BE PAVED WITHIN 48 HOURS OF ACCEPTANCE OF THE SUBGRADE.

EROSION AND SEDIMENT CONTROL

1. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PROVIDED AND INSTALLED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. MAINTAIN TEMPORARY EROSION CONTROL SYSTEMS AS DIRECTED BY OWNER OR GOVERNING AUTHORITIES TO CONTROL EROSION AND SILTATION DURING LIFE OF CONTRACT. OWNER HAS AUTHORITY TO LIMIT SURFACE AREA OF ERODIBLE EARTH MATERIAL EXPOSED BY CLEARING AND GRUBBING, EXCAVATION, TRENCHING, BORROW AND EMBANKMENT OPERATIONS. OWNER ALSO HAS AUTHORITY TO DIRECT CONTRACTOR TO PROVIDE IMMEDIATE PERMANENT OR TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES.
3. CONTRACTOR SHALL RESPOND TO EROSION AND SEDIMENT CONTROL MAINTENANCE REQUIREMENTS OR IMPLEMENT ADDITIONAL MEASURES TO CONTROL EROSION ORDERED BY OWNER OR GOVERNING AUTHORITIES WITHIN 48 HOURS OR SOONER IF REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
4. CONTRACTOR WILL BE REQUIRED TO INCORPORATE PERMANENT EROSION CONTROL FEATURES INTO PROJECT AT EARLIEST PRACTICAL TIME TO MINIMIZE NEED FOR TEMPORARY CONTROLS.
5. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS REPRESENT A MINIMUM REQUIREMENT. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES NEEDED IN ORDER TO PREVENT THE TRANSFER OF SEDIMENT FROM THE PROJECT AREA AND PREVENT THE EROSION OF SURFACES DURING CONSTRUCTION, AS NEEDED TO PROTECT ADJACENT PROPERTIES AND WATER BODIES.
6. GRASS ALL DISTURBED AREAS WITHIN 7 DAYS OF INITIAL DISTURBANCE. TYPE OF GRASSING SHALL BE AS FOLLOWS: TEMPORARY GRASSING TO BE SODDING AT ALL DRAINAGE STRUCTURES, RETENTION AREAS, SWALES AND DITCHES, AND WHERE SLOPES ARE STEEPER THAN 5:1. TEMPORARY GRASSING CAN BE SEED AND MULCH AT ALL OTHER LOCATIONS UNLESS OTHERWISE INDICATED IN THE DRAWINGS OR SPECIFICATIONS.
7. INSPECT EVERY TWO WEEKS DURING CONSTRUCTION. REMOVE ANY SEDIMENT BUILD-UP. REPAIR AND REINSTALL ANY DAMAGED OR MISSING SEDIMENT CONTROL MEASURES. INSTALL ADDITIONAL MEASURES IF INSPECTION REVEALS ADDITIONAL SEDIMENTATION CONTROL IS NECESSARY.
8. AREAS TO BE PAVED SHALL BE TREATED WITH A BITUMINOUS PRIME COAT AND SANDED TO MINIMIZE EROSION, WHERE PAVING IS SCHEDULED TO OCCUR MORE THAN 48 HOURS AFTER INSTALLATION OF BASE COURSE. AREAS TO RECEIVE CONCRETE PAVING SHALL BE EITHER PROTECTED WITH A LAYER OF FDOT COARSE AGGREGATE MATERIAL OR SHALL BE PAVED WITHIN 48 HOURS OF INSTALLATION OF THE SUBGRADE. INSTALL FINAL SURFACE COURSES WITHIN 14 DAYS AFTER REMOVAL OF EXISTING PAVEMENT.

J:\W13392.1\Civil\DWG\Design\W13392.1 - C-2 GENNOTES.dwg Nov 02, 2016 - 7:35am pranucci

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BRIAN P. CASSIDY, P.E. 67373

APR 03 2017

No.	Date	Revision	By
1			
2			
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4			
5			
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7			

Designed by:	B.P.C.
Drawn by:	P.W.R.
Checked by:	H.L.W
Approved by:	B.P.C.
Scale:	NONE
Date:	2/17/15
Job No.:	W13392.1

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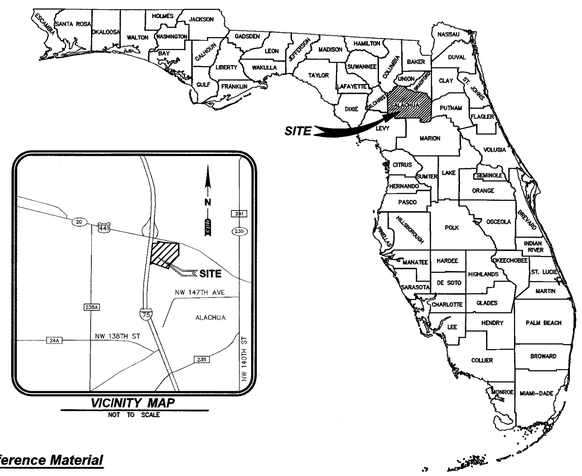
GENERAL NOTES SHEET

Walmart

STORE NO. 3873-00, ALACHUA (SEC I-75 HWY 441), FLORIDA

Sheet No.
C-2

BOUNDARY & TOPOGRAPHIC SURVEY
FOR
Walmart
STORE #3873-00
CITY OF ALACHUA, ALACHUA COUNTY, FLORIDA
LYING IN
SECTION 9,10,15&16-TOWNSHIP 8 SOUTH-RANGE 18 EAST
ALACHUA COUNTY, FLORIDA



Reference Material

1) STATE OF FLORIDA STATE ROAD DEPARTMENT RIGHT OF WAY MAP, SECTION NO. 26020-2501, ROAD NO. 25, DATED 3/30/60, AS RECORDED IN THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA.

2) STATE OF FLORIDA STATE ROAD DEPARTMENT RIGHT OF WAY MAP, SECTION NO. 26260-2402, ROAD NO. 25, 2/14/61, AS RECORDED IN THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA.

3) STATE OF FLORIDA STATE ROAD DEPARTMENT RIGHT OF WAY MAP, SECTION NO. 2602-(206), ROAD NO. (2) 20-25, 3/11/46, AS RECORDED IN THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA.

4) STATE OF FLORIDA STATE ROAD DEPARTMENT RIGHT OF WAY MAP, SECTION NO. 26260-2401, STATE ROAD NO. 93 (I-75), 2/16/62, AS RECORDED IN THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA.

Abbreviation Legend:

(A)	ACTUAL	MH	MANHOLE
A/C	AIR CONDITIONER	MLP	METAL LIGHT POLE
ACSM	AMERICAN CONGRESS ON SURVEYING & MAPPING	MPH	MILES PER HOUR
ADA	AMERICANS WITH DISABILITIES ACT	MPP	METAL POWER POLE
ALTA	AMERICAN LAND TITLE ASSOCIATION	N/A	NOT APPLICABLE
APPROX	APPROXIMATE	NAVD	NORTH AMERICAN VERTICAL DATUM
ARV	AIR RELEASE VALVE	NAD	NORTH AMERICAN DATUM
AVE	AVENUE	NG	NATURAL GROUND
AVG	AVERAGE	NGS	NATIONAL GEODETIC SURVEY
(BB)	BEARING BASIS	NGVD	NATIONAL GEODETIC VERTICAL DATUM
BFP	BACK FLOW PREVENTER	N & D	NAIL AND DISK
BLK	BLOCK	NO.	NUMBER
BLDG	BUILDING	NR	NON-RADIAL
BLVD	BOULEVARD	NSPS	NATIONAL SOCIETY OF PROFESSIONAL SURVEYORS
BM	BENCH MARK		
BOC	BACK OF CURB	NT	NON-TANGENT
BOW	BACK OF WALK	NTS	NOT TO SCALE
BSL	BUILDING SETBACK LINE	OD	OUTSIDE DIAMETER
BWF	BARBED WIRE FENCE	ORB	OFFICIAL RECORDS BOOK
C-X	DENOTES SHEET NUMBERING FOR ENGINEERING PLANS	OR	OFFICIAL RECORDS
(C)	CALCULATED	OUL	OVERHEAD UTILITY LINES
C	CHORD	OTL	OVERHEAD TRAFFIC LINES
CATV	CABLE TELEVISION RISER	(P)	PLAT
CB	CHORD BEARING	PB	PLAT BOOK
CBS	CONCRETE BLOCK STRUCTURE	PC	POINT OF CURVATURE
C.C.R.	CERTIFIED CORNER RECORD	PCC	POINT OF COMPOUND CURVATURE
C&G	CURB & GUTTER	PCP	PERMANENT CONTROL POINT
CI	CATCH INLET	PFF	PROPOSED FINISHED FLOOR
C/L	CENTERLINE	PG	PAGE
CLF	CHAIN LINK FENCE	PGS	PAGES
CM	CONCRETE MONUMENT	PI	POINT OF INTERSECTION
CMP	CORRUGATED METAL PIPE	PIV	POST INDICATOR VALVE
CO	CLEANOUT	PK	PARKER KAYLON
CONC	CONCRETE	POB	POINT OF BEGINNING
COR	CORNER	POC	POINT OF COMMENCEMENT
CRPP	CORRUGATED PLASTIC PIPE	POL	POINT ON LINE
CUE	COUNTY UTILITY EASEMENT	PP	POWER POLE
CWS	CROSSWALK SIGNAL	PRC	POINT OF REVERSE CURVATURE
Δ	DELTA	PRM	PERMANENT REFERENCE MONUMENT
(D)	DESCRIPTION	PSM	PROFESSIONAL SURVEYOR & MAPPER
DB	DEED BOOK	PT	POINT OF TANGENCY
DBH	DIAMETER AT BREAST HEIGHT IN INCHES	PVC	POLYVINYL CHLORIDE PIPE
DE	DRAINAGE EASEMENT	PVMT	PAVEMENT
DEPT	DEPARTMENT	R18E	RANGE 18 EAST
DIP	DUCTILE IRON PIPE	R	RADIUS
DR	DRIVE	RAD	RADIAL
D/U	DRAINAGE AND UTILITY EASEMENT	RCP	REINFORCED CONCRETE PIPE
(E)	ENGINEERING PLAN	REC	RECOVERED
E/B	ELECTRIC JUNCTION BOX	REV	REVISION
EL	UNDERGROUND ELECTRICAL LINES	RP	RADIUS POINT
ELEC	ELECTRIC	R/W	RIGHT-OF-WAY
ELEV	ELEVATION	RLS	REGISTERED LAND SURVEYOR
ELLIP	ELLIPTICAL	RP	RADIUS POINT
EOI	END OF INFORMATION	RWL	UNDERGROUND RECLAIM WATER LINE
EOP	EDGE OF PAVEMENT	RWM	RECLAIMED WATER METER
FB	FIELD BOOK	SE	SPECIAL EASEMENT
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION	SEC 9	SECTION 9
FF	FINISH FLOOR	SMH	SANITARY SEWER MANHOLE
FGI	FLAT GRATE INLET	(SP)	STATE PLANE
FGLP	FIBERGLASS LIGHT POLE	SQ	SQUARE
FHYD	FIRE HYDRANT	SQ FT	SQUARE FEET
FM	FORCE MAIN	ST	STREET
FND	FOUND	STMH	STORM DRAINAGE MANHOLE
FP&L	FLORIDA POWER AND LIGHT	S/W	SIDEWALK
FS	FLORIDA STATUTES	TB	TANGENT BEARING
(G)	GRID (STATE PLANE)	TBS	TOWNSHIP 8 SOUTH
GL	UNDERGROUND GAS LINES	TELE	TELEPHONE
GOVT	GOVERNMENT	TL	OVERHEAD TRAFFIC SIGNAL LINES
GPR	GROUND PENETRATING RADAR	TOB	TOP OF BANK
GTMH	GREASE TRAP MANHOLE	TOE	TOE OF SLOPE
HDPE	HIGH DENSITY POLYETHYLENE PIPE	TR	TELEPHONE RISER
HWF	HOG WIRE FENCE	TRANS	TRANSFORMER
ID	IDENTIFICATION	TSB	TRAFFIC SIGNAL BOX
ICV	IRRIGATION CONTROL VALVE	TSSP	TRAFFIC SIGNAL SUPPORT POLE
INFO	INFORMATION	TVL	UNDERGROUND CABLE TV LINES
INV	INVERT	(TYP)	TYPICAL
IP	IRON PIPE	UE	UTILITY EASEMENT
IP&C	IRON PIPE & CAP	UNK	UNKNOWN
IR	IRON ROD	UTL	UNDERGROUND TELEPHONE LINES
IR&C	IRON REBAR & CAP	W/	WITH
IRR	IRRIGATION	WL	UNDERGROUND WATER LINE
L	ARC LENGTH	WLP	WOOD LIGHT POLE
LB#	LICENSED BUSINESS NUMBER	WM	WATER METER
LP	LIGHT POLE	WP	WORK PROGRAM
(M)	MEASURED	WPF	WOOD POST FENCE
MB	MAP BOOK	WPP	WOOD POWER POLE
MBX	MAILBOX	WV	WATER VALVE
MES	MITERED END SECTION		

Line Legend:
NOT TO SCALE

- 1 FOOT CONTOURS
- 5 FOOT CONTOURS
- ADJOINER PROPERTY LINES
- BARBED WIRE FENCE
- BROKEN LINE
- BURIED CABLE
- BURIED CABLE TELEVISION
- BURIED ELECTRIC
- BURIED FIBER OPTICS
- BURIED GAS
- BURIED RECLAIMED WATER LINE
- BURIED SANITARY LINES
- BURIED SANITARY SEWER FORCE MAIN LINE
- BURIED TRAFFIC CONTROL
- BURIED TELEPHONE LINE
- BURIED WATER LINES
- CENTER LINE R/W
- CHAIN LINK FENCE
- EASEMENT LINES (EXISTING)
- EASEMENT LINES (PROPOSED)
- EDGE OF WATER LINES
- EXISTING DRAINAGE PIPES
- EXISTING DRAINAGE PIPES (OUTFALL NOT LOCATED)
- FIRE WATER MAIN LINES
- HOT WATER SUPPLY LINES
- IRRIGATION LINES
- OVERHEAD TRAFFIC LINES
- OVERHEAD UTILITY LINES
- RAILROAD TRACKS
- RIGHT-OF-WAY LINES
- SECTION LINES
- STONE WALL LINES
- TOP OF BANK LINES
- TOE OF SLOPE LINES
- TREE LINES
- TRAVERSE LINES
- UNKNOWN BURIED LINES
- VINYL FENCE
- WOOD FENCE
- WETLAND LINE

Symbol Legend:
NOT TO SCALE

- AIR RELEASE VALVE
- BORING HOLE LOCATION
- BRICK PAVERS
- CENTRAL ANGLE
- CONCRETE
- CLEAN OUT
- CONCRETE MITERED END SECTION
- CONCRETE RIP RAP
- CONCRETE UTILITY POLE
- COUNTY ROAD SYMBOL
- DUAL SUPPORT SIGN
- ELECTRICAL MANHOLE
- ELECTRICAL JUNCTION BOX
- ELECTRIC OUTLET
- ELECTRIC RISER
- FIRE HYDRANT
- FLOOD LIGHT
- FOUND CONCRETE MONUMENT (AS NOTED)
- FOUND IRON PIPE (AS NOTED)
- FOUND IRON REBAR (AS NOTED)
- FOUND/SET NAIL (AS NOTED)
- GARBAGE CAN
- GAS VALVE
- GOPHER TORTOISE HOLE
- GRATE INLET
- GREASE TRAP MANHOLE
- GUY ANCHOR
- HANDICAP PARKING SPACE
- INTERSTATE SYMBOL
- IRRIGATION CONTROL VALVE
- CONCRETE LIGHT POLE
- LIGHT POLE
- LIGHT POLE (DUAL)
- LIGHT POLE (TRIPLE)
- LIGHT POLE (QUAD)
- MAILBOX
- MONITOR WELLS
- NAIL & DISC (AS NOTED)
- PULL BOX (AS NOTED)
- PARKING SPACES (2)
- REVISION NUMBER (3)
- RECLAIMED WATER METER
- RECLAIMED WATER VALVE
- ROOF DRAIN
- SANITARY SEWER MANHOLE
- SANITARY SEWER VALVE
- SCHEDULE B ITEM NUMBER (8)
- GROUND LIGHT
- SECTION CORNER
- 4" X 4" CM LB #7143
- 5/8" IR&C LB #7143
- SIGN
- SITE BENCH MARK
- STORM SEWER MANHOLE
- STRIPING (DIRECTIONAL)
- TELEPHONE CABLE RISER
- TELEPHONE MANHOLE
- TELEPHONE JUNCTION BOX
- TEST HOLE
- TRAFFIC SIGNAL BOX
- TRAFFIC SIGNAL SUPPORT POLE
- WATER METER
- WATER SERVICE
- WATER SPIGOT
- WATER SPRINKLER
- WATER VALVE
- WELL
- WETLAND FLAG
- WOOD UTILITY POLE
- UNKNOWN MANHOLE
- CONCRETE PAVERS
- DETECTABLE WARNING AREA
- CONCRETE LIGHT POLE (DUAL)
- CONCRETE LIGHT POLE (TRIPLE)
- CONCRETE LIGHT POLE (QUAD)
- UNKNOWN RISER
- VENT (AS NOTED)
- WIRE HEIGHTS (SEE CHART)
- CROSSWALK SIGNAL POLE

Sign Legend:
NOT TO SCALE

(R1)	ROW NUMBER SIGN
(B)	BUS STOP SIGN
(DE)	DEAD END SIGN
(DNE)	DO NOT ENTER SIGN (R5-1)
(HC)	HANDICAP SIGN
(HC)	DUAL HANDICAP SIGN
(INFO)	INFORMATION SIGN
(KR)	KEEP RIGHT SIGN
(LTO)	LEFT TURN ONLY
(ME)	MEDIAN SIGN
(ND)	NO DUMPING SIGN
(NL)	NO LEFT TURN SIGN (R3-2)
(NLI)	NO LITTERING SIGN
(NO)	NO OUTLET SIGN
(FL)	NO PARKING FIRE LANE SIGN
(NOR)	NO RIGHT TURN SIGN (R3-1)
(NTT)	NO THRU TRAFFIC SIGN
(NOT)	NO TRUCKS (R5-2)
(NP)	NO PARKING SIGN
(1W)	ONE WAY SIGN (R6-2)
(PE)	PEDESTRIAN CROSSING SIGN
(RTO)	RIGHT TURN ONLY
(SL)	SPEED LIMIT SIGN
(ST)	STOP SIGN (R1-1)
(SS)	STREET SIGN
(TZ)	TOW AWAY ZONE SIGN
(TE)	TRUCK ENTRANCE SIGN
(WL)	WEIGHT LIMIT SIGN
(WW)	WRONG WAY SIGN
(Y)	YIELD SIGN

Legal Description: (WAL-MART PARCEL)

A TRACT OF LAND SITUATED IN FRACTIONAL SECTIONS 9, 10, 15, AND 16, TOWNSHIP 8 SOUTH, RANGE 18 EAST, AND THE WILLIAM GARVIN GRANT, CITY OF ALACHUA, ALACHUA COUNTY, FLORIDA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHEAST CORNER OF THE AFOREMENTIONED FRACTIONAL SECTION 9, TOWNSHIP 8 SOUTH, RANGE 18 EAST FOR THE POINT OF REFERENCE AND RUN S.00°51'49"E., A DISTANCE OF 3.91 FEET TO THE SOUTHERLY RIGHT OF WAY LINE OF THE ABANDONED SEABOARD COASTLINE RAILROAD (200 FOOT RIGHT OF WAY); THENCE RUN N.88°37'47"W., ALONG SAID SOUTHERLY RIGHT OF WAY LINE, A DISTANCE OF 790.35 FEET TO THE INTERSECTION OF SAID SOUTHERLY RIGHT OF WAY LINE WITH THE EASTERLY RIGHT OF WAY LINE OF INTERSTATE HIGHWAY NO. 75 (300 FOOT LIMITED ACCESS RIGHT OF WAY) AND THE TRUE POINT OF BEGINNING; THENCE RUN N.04°30'53"E., ALONG SAID EASTERLY RIGHT OF WAY LINE, A DISTANCE OF 49.91 FEET; THENCE RUN S.88°32'46"E., A DISTANCE OF 49.98 FEET; THENCE RUN N.04°58'37"E., A DISTANCE OF 50.15 FEET TO THE CENTERLINE OF THE AFOREMENTIONED ABANDONED SEABOARD COASTLINE RAILROAD; THENCE RUN S.88°36'33"E., ALONG SAID CENTERLINE, A DISTANCE OF 379.41 FEET TO THE SOUTHWEST CORNER OF THAT CERTAIN PARCEL OF LAND AS DESCRIBED IN OFFICIAL RECORD BOOK 1620, PAGE 1020 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA, SAID PARCEL OF LAND BEING HEREINAFTER REFERRED TO AS PARCEL "A"; THENCE RUN N.04°14'21"E., A DISTANCE OF 179.48 FEET TO THE NORTHWEST CORNER OF SAID PARCEL "A"; THENCE RUN S.79°38'59"E., ALONG THE NORTH LINE OF SAID PARCEL "A", A DISTANCE OF 505.22 FEET TO THE NORTHEAST CORNER OF SAID PARCEL "A"; THENCE RUN S.88°35'59"E., ALONG THE NORTH RIGHT OF WAY LINE OF THE AFOREMENTIONED ABANDONED SEABOARD COASTLINE RAILROAD, A DISTANCE OF 19.74 FEET; THENCE DEPARTING SAID RIGHT OF WAY LINE RUN S.04°11'43"W., A DISTANCE OF 1431.98 FEET; THENCE RUN N.85°48'17"W., FOR A DISTANCE OF 952.11 FEET TO THE EASTERLY RIGHT OF WAY LINE OF INTERSTATE HIGHWAY NO. 75 (300 FOOT LIMITED ACCESS RIGHT OF WAY); THENCE RUN N.04°11'43"E., ALONG SAID EASTERLY RIGHT OF WAY LINE, FOR A DISTANCE OF 1184.62 FEET TO THE POINT OF BEGINNING.

THE ABOVE DESCRIBED TRACT OF LAND CONTAINS 30.19 ACRES MORE OR LESS

Legal Description: (WAL-MART OUT PARCEL)

A TRACT OF LAND SITUATED IN FRACTIONAL SECTIONS 9, 10, 15, AND 16, TOWNSHIP 8 SOUTH, RANGE 18 EAST, AND THE WILLIAM GARVIN GRANT, CITY OF ALACHUA, ALACHUA COUNTY, FLORIDA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHEAST CORNER OF THE AFOREMENTIONED FRACTIONAL SECTION 9, TOWNSHIP 8 SOUTH, RANGE 18 EAST FOR THE POINT OF REFERENCE AND RUN S.00°51'49"E., A DISTANCE OF 3.91 FEET TO THE SOUTHERLY RIGHT OF WAY LINE OF THE ABANDONED SEABOARD COASTLINE RAILROAD (200 FOOT RIGHT OF WAY); THENCE RUN N.88°37'47"W., ALONG SAID SOUTHERLY RIGHT OF WAY LINE, A DISTANCE OF 790.35 FEET TO THE INTERSECTION OF SAID SOUTHERLY RIGHT OF WAY LINE WITH THE EASTERLY RIGHT OF WAY LINE OF INTERSTATE HIGHWAY NO. 75 (300 FOOT LIMITED ACCESS RIGHT OF WAY); THENCE RUN N.04°30'53"E., ALONG SAID EASTERLY RIGHT OF WAY LINE, A DISTANCE OF 49.91 FEET; THENCE RUN S.88°32'46"E., A DISTANCE OF 49.98 FEET; THENCE RUN N.04°58'37"E., A DISTANCE OF 50.15 FEET TO THE CENTERLINE OF THE AFOREMENTIONED ABANDONED SEABOARD COASTLINE RAILROAD; THENCE RUN S.88°36'33"E., ALONG SAID CENTERLINE, A DISTANCE OF 379.41 FEET TO THE SOUTHWEST CORNER OF THAT CERTAIN PARCEL OF LAND AS DESCRIBED IN OFFICIAL RECORD BOOK 1620, PAGE 1020 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA, SAID PARCEL OF LAND BEING HEREINAFTER REFERRED TO AS PARCEL "A"; THENCE RUN N.04°14'21"E., A DISTANCE OF 179.48 FEET TO THE NORTHWEST CORNER OF SAID PARCEL "A"; THENCE RUN S.79°38'59"E., ALONG THE NORTH LINE OF SAID PARCEL "A", A DISTANCE OF 505.22 FEET TO THE NORTHEAST CORNER OF SAID PARCEL "A"; THENCE RUN S.88°35'59"E., ALONG THE NORTH RIGHT OF WAY LINE OF THE AFOREMENTIONED ABANDONED SEABOARD COASTLINE RAILROAD, A DISTANCE OF 852.24 FEET; THENCE DEPARTING SAID RIGHT OF WAY LINE RUN S.10°38'41"W., A DISTANCE OF 127.20 FEET; THENCE RUN S.02°06'51"W., A DISTANCE OF 33.71 FEET; THENCE RUN S.10°38'41"W., A DISTANCE OF 104.50 FEET TO THE POINT OF BEGINNING; THENCE RUN S.10°35'41"W., A DISTANCE OF 191.52 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE NORTHWESTERLY AND HAVING A RADIUS OF 25.00 FEET, THENCE RUN SOUTHWESTERLY ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 83°33'02" AN ARC DISTANCE OF 36.46 FEET TO THE POINT OF TANGENCY OF SAID CURVE; THENCE RUN N.85°48'17"W., A DISTANCE OF 186.42 FEET; THENCE RUN N.04°11'43"E., A DISTANCE OF 212.50 FEET; THENCE RUN S.85°48'17"E., A DISTANCE OF 232.77 FEET TO THE POINT OF BEGINNING.

THE ABOVE DESCRIBED TRACT OF LAND CONTAINS 1.07 ACRES MORE OR LESS.

Survey Notes:

1. COPIES OF THIS SURVEY ARE NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.
2. "ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES."
3. THE SITE BENCHMARKS FOR THIS TOPOGRAPHIC SURVEY ARE DISPLAYED ON THE RESPECTIVE SURVEY FILE. THESE BENCHMARKS ARE BASED ON A CLOSED VERTICAL CONTROL LOOP HAVING AN ACTUAL ERROR OF CLOSURE OF 0.023' WHICH MEETS THE ALLOWABLE CLOSURE OF 0.045'. THIS FIELDWORK WAS PERFORMED USING A TOPCON LEVEL MODEL # AT-G4 AND REFERENCES THE FOLLOWING PUBLISHED BENCHMARKS AS ESTABLISHED BY THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88) AND SAID ELEVATIONS ARE BASED ON VERTICAL CONTROL BENCHMARKS SUPPLIED BY ALACHUA COUNTY SURVEY DEPARTMENT WHICH ARE AS FOLLOWS:

a) DESIGNATION # I75 73 B32 RM 2, AN FDOT BRASS DISK SET IN CONCRETE MONUMENT.
ELEVATION = 157.84 (NAVD '88)

b) DESIGNATION # I75 73 B32 RM 1, AN FDOT BRASS DISK SET IN CONCRETE MONUMENT.
ELEVATION = 158.17 (NAVD '88)

SITE BENCHMARKS ARE AS SHOWN ON SHEETS 4 AND 5 OF 9.

4. THIS SURVEY IS NOT VALID WITHOUT SHEETS 1 THROUGH 9 OF 9.
5. THE LAST DAY FIELD WORK WAS PERFORMED WAS 4/14/16; ALL BOUNDARY CORNERS WERE RECOVERED OR SET AS NOTED HEREON.
6. THE "LEGAL DESCRIPTION" HEREON IS IN ACCORD WITH SCHEDULE "A" OF FIRST AMERICAN TITLE INSURANCE COMPANY, COMMITMENT NO. FA-C8293, WHICH WAS DATED JULY 5, 2006 AT 8:00 A.M.. AND WAS PROVIDED BY THE CLIENT.
8. BEARINGS SHOWN HEREON ARE RELATIVE TO ASSUMED DATA AS BEING N 04°11'43" E ALONG THE EASTERLY RIGHT OF WAY LINE OF INTERSTATE HIGHWAY NO. 75, ALACHUA COUNTY FLORIDA.
9. HAVING CONSULTED THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY PANEL NO. 120664-0025-A EFFECTIVE DATE FEBRUARY 2, 1996, THE SUBJECT PROPERTY APPEARS TO LIE IN ZONE X, NOT A SPECIAL FLOOD HAZARD AREA. THIS DETERMINATION WAS BASED ON A GRAPHIC INTERPOLATION OF SAID MAP AND NOT ON ACTUAL FIELD MEASUREMENTS.
10. THE APPARENT USE OF THE LAND, AS CLASSIFIED BY THE STANDARDS OF PRACTICE SET FORTH IN RULE CHAPTER 5J-17 OF THE FLORIDA ADMINISTRATIVE CODE, PURSUANT TO FS 472.027, ESTABLISHES THAT THE MINIMUM RELATIVE ACCURACY FOR THIS TYPE OF BOUNDARY SURVEY MEET THE HORIZONTAL CONTROL ACCURACY OF 1':10,000 FEET FOR A HIGH RISK SURVEY. THE MEASUREMENTS AND CALCULATIONS OF THE CLOSED GEOMETRIC FIGURES WERE FOUND TO MEET THIS ACCURACY REQUIREMENT. THE EQUIPMENT USED TO VERIFY THE HORIZONTAL CONTROL ON THE SUBJECT SURVEY WAS A TOPCON GPS HIPER PRO.
11. HORIZONTAL WELL-IDENTIFIED FEATURES IN THIS SURVEY AND MAP HAVE BEEN MEASURED TO AN ESTIMATED HORIZONTAL POSITIONAL ACCURACY OF 0.05 (FT). THE EQUIPMENT USED TO LOCATE THE FEATURES WAS A TOPCON TOTAL STATION MODEL # GPT-3005W, TOPCON GPS HIPER PRO.
13. UNLESS OTHERWISE NOTED, ALL RECORD INFORMATION SHOWN HEREON IS BASED ON INFORMATION CONTAINED IN THE COMMITMENT FOR TITLE INSURANCE BY FIRST AMERICAN TITLE INSURANCE COMPANY, COMMITMENT NO. FA-C-8293, EFFECTIVE DATE FEBRUARY 23, 2006, AT 8:00 A.M. AND WAS PROVIDED BY THE CLIENT.
14. NO UNDERGROUND UTILITIES, FOUNDATIONS OR IMPROVEMENTS, IF ANY, HAVE BEEN LOCATED EXCEPT AS SHOWN.
15. THIS SURVEY DOES NOT IDENTIFY THE LIMITS OR EXTENT OF POTENTIAL JURISDICTIONAL WETLAND BOUNDARIES.
16. FENCES EXISTING ON, OVER OR ADJACENT TO SUBJECT PROPERTY, ARE DISPLAYED HEREON; OWNERSHIP WHETHER SINGULAR OR JOINT WAS NOT DETERMINED BY THIS SURVEY.
17. VERTICAL FEATURE ACCURACY: "ELEVATIONS OF WELL-IDENTIFIED FEATURES CONTAINED IN THIS SURVEY AND MAP HAVE BEEN MEASURED TO AN ESTIMATED VERTICAL POSITIONAL ACCURACY OF 0.05 (FT)."
19. THE UNDERGROUND UTILITIES LABELED UG, UT, FM AND UW DISPLAYED ON SHEETS 4 AND 5 ARE A RESULT OF THE FIELD LOCATION OF THE FLAGS AND MARKINGS ESTABLISHED BY THE UTILITY COMPANIES AND/OR THEIR REPRESENTATIVES.
21. STATE PLANE INFORMATION SHOWN HEREON IS BASED ON THE NORTH AMERICAN DATUM OF 1983 (1990) USING CONTROL POINTS FROM THE NGS DATA SHEETS PUBLISHED AT WWW.LABINS.ORG AND ARE AS FOLLOWS:

a) DESIGNATION # I75 73 B33, PID # AR0163 = N 294,607.59 FEET, E 2,598,008.05 FEET

b) DESIGNATION # I75 73 B32, PID # AR0166 = N 291,783.68 FEET, E 2,598,107.32 FEET

THE EQUIPMENT USED TO TRANSFER THE STATE PLANE INFORMATION FROM THE ABOVE REFERENCED CONTROL POINTS TO THE SUBJECT SURVEY WAS A TOPCON GPS HIPER PRO, HIPER II OR HIPER V.

23. DIMENSIONS ARE SHOWN RELATIVE TO UNITED STATES STANDARD FEET AND DECIMALS THEREOF, UNLESS THE OBJECT SHOWN IS COMMONLY IDENTIFIED IN INCHES, I.E. TREE DIAMETER, PIPE DIAMETER, ETC. TREES DEPICTED ARE COMMON NAMES AND MEASURED AND LABELED AS DIAMETER AT BREAST HEIGHT IN INCHES.
24. CERTAIN INSTRUMENTS OF RECORD REFLECTING EASEMENTS, RIGHTS-OF-WAY, AND/OR OWNERSHIP WERE FURNISHED TO THIS SURVEYOR AS NOTED OR DISPLAYED HEREON.
27. THE UNDERGROUND UTILITIES DEPICTED BY PIPE LINETYPES ARE APPROXIMATE IN NATURE BASED UPON AN INSPECTION OF THE MANHOLE, GRATE, ETC. OF EACH FACILITY. EXISTING PIPES WERE NOT LAMPED OR REMOTELY VIEWED FOR OBSTRUCTIONS OR CONNECTIVITY.

Index of Sheets

SITE DATA

SETBACKS

FRONT = 20'
SIDES = 0'
BACK = 15'

NOTE:
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Surveyor's Certification:

Certified to: WALMART STORES EAST, LP, a Deleware limited partnership.

I hereby certify that the attached "Boundary & Topographic Survey" of the hereon-described property is true and correct to the best of my knowledge, information and belief as surveyed in the field on April 14, 2016. I further certify that this "Boundary & Topographic Survey" meets the standards of practice set forth in Rule Chapter 5J-17 of the Florida Administrative Code, pursuant to FS 472.027.

MAR 30 2017
For the Firm By:

Thomas J. Galloway
Professional Surveyor and Mapper
Florida Registration No. 6549

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• Texas

No.	Date	Revision	By

Field Crew:
Drawn by: R.D.B.
Checked by: R.L.R.
Approved by: T.J.G.
Scale: N/A
Date: 4/14/2016
Job No.: W13392
File: W13392 ABD.dwg
D.S.
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500 West Fulton St.
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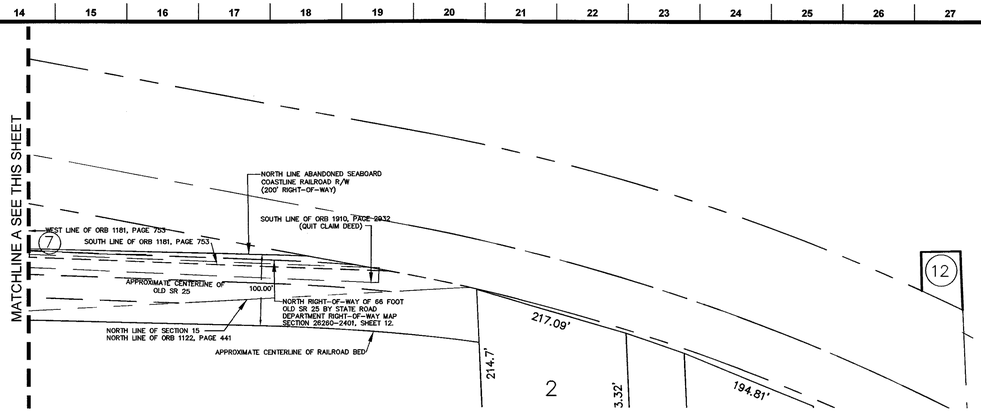
Licenses:
Eng. C.O.A. No. 3215
Survey L.B. No. 7143
Arch. Lic. No. AA2600926
Lndscp. Lic. No. LC0000298

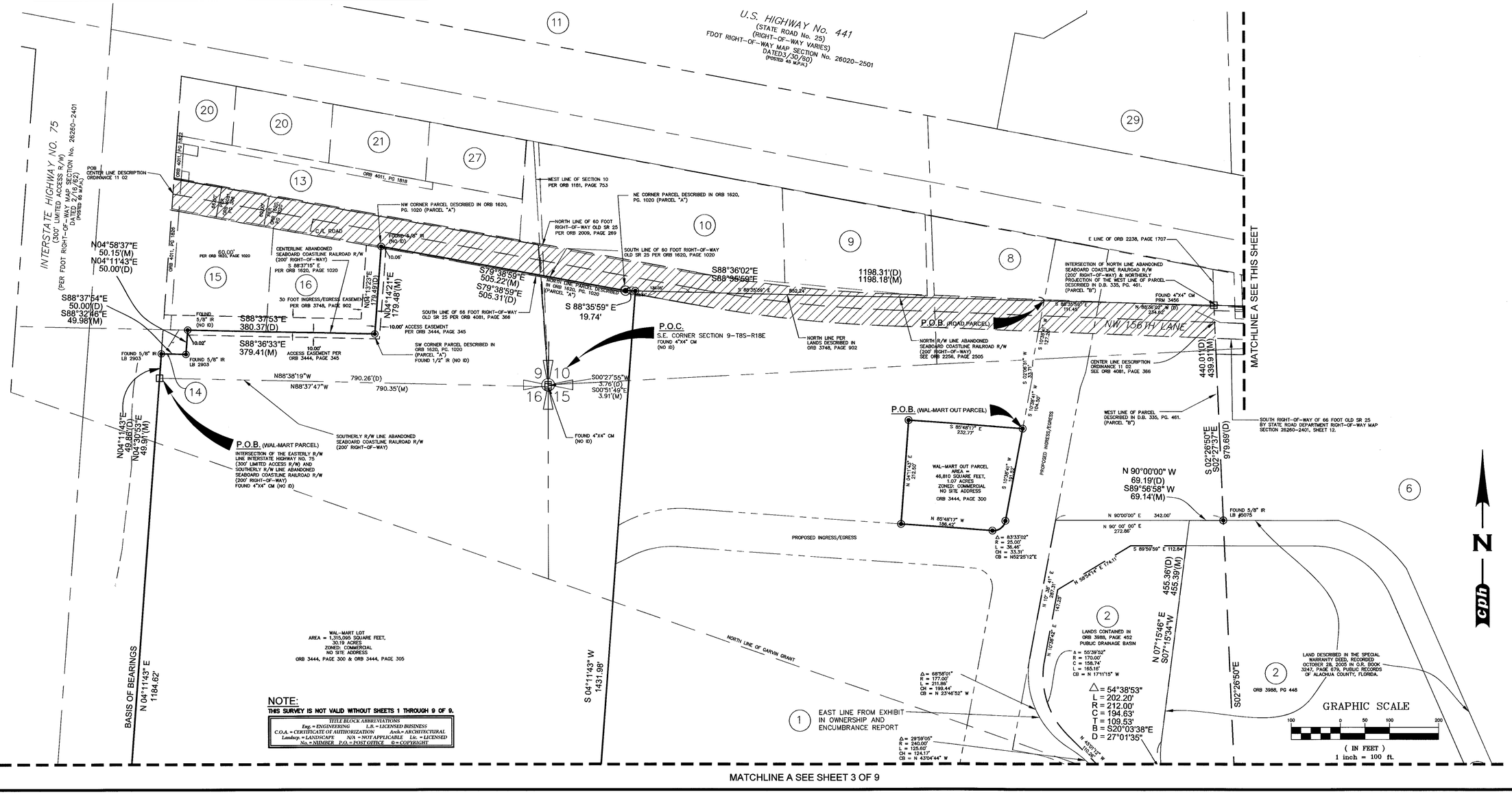
BOUNDARY & TOPOGRAPHIC SURVEY

Walmart
STORE #3873-00
SECTION 9,10,15&16-TOWNSHIP 8 SOUTH-RANGE 18 EAST
ALACHUA COUNTY, FLORIDA

Sheet No.
1
of 9

ADJOINER OWNERSHIP INFORMATION				
	TAX IDENTIFICATION NUMBER	OWNER	ADDRESS	CITY
1	03869-000-000	FIRST STREET GROUP, L.C.	P.O. BOX 9	ALACHUA, FL. 32616-1990
2	03868-002-001	CITY OF ALACHUA	15620 NW 149TH TERRACE	ALACHUA, FL. 32615-5351
3	03868-002-000	10.47, LLC	14110 NW 21ST LANE	GAINESVILLE, FL. 32606
4	03869-010-000	10.47, LLC	14110 NW 21ST LANE	GAINESVILLE, FL. 32606
5	03869-009-000	10.47, LLC	14110 NW 21ST LANE	GAINESVILLE, FL. 32606
6	03868-000-000	CHRISTOPHER ALLEN KOROSIC	15620 NW 149TH TERRACE	ALACHUA, FL. 32615-5351
7	03066-001-000	THOMAS STALBAUM	4526 SW 63RD BLVD.	GAINESVILLE, FL. 32608-3879
8	03066-000-000	FIRST STREET GROUP, L.C.	P.O. BOX 1990	ALACHUA, FL. 32616-1990
9	03066-008-001	ASHOK S. & SHEILA A. PATEL	15920 NW U.S. HIGHWAY 441	ALACHUA, FL. 32615
10	03066-008-000	TEMPLE HILL, INC.	6119 S ORANGE BLOSSOM TRAIL	ORLANDO, FL. 32809-4609
11	03067-001-000	MEGGHEE ENTERPRISES Ltd., LLLC	2632 NW 43rd STREET, # 2138	GAINESVILLE, FL. 32606
12	03867-001-005	CITY OF ALACHUA	15620 NW 149TH TERRACE	ALACHUA, FL. 32615-5351
13	03066-008-002	TEMPLE HILL, INC.	6119 S ORANGE BLOSSOM TRAIL	ORLANDO, FL. 32809-4609
14	03869-001-000	JAMES E. JR. & RENEE HARKINS	P.O. BOX 6307	MARIANNA, FL. 32447-6307
15	03054-000-000	WILLIAM P. AMERSON	15901 NW 158TH LANE	ALACHUA, FL. 32615-5363
16	03054-002-000	WILLIAM P. AMERSON	5128 NW 47TH LANE	GAINESVILLE, FL. 32606-4300
17	03869-008-000	CHRISTOPHER ALLEN KOROSIC	15620 NW 149TH TERRACE	ALACHUA, FL. 32615-5351
18	03869-006-000	WYNDSWEPT HILLS, LLC	3024 NE 21ST WAY	GAINESVILLE, FL. 32609
19	03605-010-001	SANTA FE STATION DEVELOPMENT	9417 NW 43RD STREET	GAINESVILLE, FL. 32653
20	03059-001-000	MCDONALDS CORPORATION	16018 NW U.S. HIGHWAY 441	ALACHUA, FL. 32615
21	03059-005-000	MCDONALDS CORPORATION	16018 NW U.S. HIGHWAY 441	ALACHUA, FL. 32615
22	03066-007-000	AMERICAN PETROLEUM INVESTMENTS	402 HIGH POINT DRIVE	COCOA, FL. 32926
23	03869-013-000	WAL-MART STORES EAST LP	1301 SE 10TH ST	BENTONVILLE, AR 72716
24	03869-014-000	WAL-MART STORES EAST LP	1301 SE 10TH ST	BENTONVILLE, AR 72716
25	03863-002-000	THOMAS H. & NANCY B. TONNELIER	14110 NW 21ST LANE	GAINESVILLE, FL. 32606 NEW 25
26	03863-000-000	ALACHUA HOLDINGS, LTD	P.O. BOX 1990	GAINESVILLE, FL. 32616 NEW 26
27	03066-007-000	AMERICAN PETROLEUM INVESTMENTS	402 HIGH POINT DRIVE	COCOA, FL. 32926
28	03066-006-000	MOHAN-LERRA FAMILY PARTNERSHIP	15981 NW US HIGHWAY 441	ALACHUA, FL. 32615
29	03066-002-000	LUTHER ACQUISITIONS, LLC	501 RIVERSIDE BLVD, STE 600	JACKSONVILLE, FL. 32202





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No.	Date	By	Revision
1	4/14/2016		
2	2017		

Field Crew:	D.S.
Drawn by:	R.D.B.
Checked by:	R.L.R.
Approved by:	T.J.G.
Scale:	N/A
Date:	4/14/2016
Job No.:	W13392
File:	© 2017

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Lndscp. Lic. No. LC0000298

BOUNDARY & TOPOGRAPHIC SURVEY

Walmart
STORE #3873-00
SECTION 9,10,15&16-TOWNSHIP 8 SOUTH-RANGE 18 EAST
ALACHUA COUNTY, FLORIDA

Sheet No. 2 of 9

MATCHLINE A SEE SHEET 2 OF 9

INTERSTATE HIGHWAY NO. 75
(300' LIMITED ACCESS R/W)
(PER FDOT RIGHT-OF-WAY MAP, SECTION No. 26260-2401
DATED 2/16/62)
(POSTED 70 MPH)

EASTERLY R/W LINE, INTERSTATE HIGHWAY NO. 75 (300' LIMITED ACCESS R/W)

N04°11'43"E 1433.87'(D) 1433.82'(M)

N 85°48'17" W
952.11'

FOUND 1/8" IR LB 2903

N85°48'17"W
50.00'(D)
N85°47'32"W
49.98'(M)

S85°48'17"E
50.00'(D)
S85°46'26"E
49.99'(M)

N04°11'43"E
50.00'(D)
N04°11'36"E
49.99'(M)

N04°11'22"E
151.35'(M)
N04°11'43"E
151.31'(D)

POINT OF INTERSECTION OF THE SOUTH BOUNDARY LINE OF PARCEL DESCRIBED IN ORB 740, PG. 393 (PARCEL "C") AND THE EASTERLY R/W LINE INTERSTATE HIGHWAY NO. 75 (300' LIMITED ACCESS R/W)
FOUND 4"X4" CM
RLS #509

FOUND 4"X4" CM
RLS 509

S68°05'01"W
228.46'(D)
N68°05'05"E
228.52'(M)

59.19'
POLE BARN
21.24'
92.77'
97.51'

CURVE TABLE					
CURVE	DELTA	LENGTH	RADIUS	CHORD	CHORD BEARING
C3	34°31'09"	127.72'	212.00'	125.80'	S 42°10'08" E
C4	39°19'46"	48.05'	70.00'	47.11'	S 40°15'41" E

N72°32'57"W
N72°33'47"W

1348.44'(M)
1348.22'(D)

SOUTH BOUNDARY LINE OF PARCEL DESCRIBED IN ORB 740, PG. 393 (PARCEL "C")

FOUND 4"X4" CM
(NO ID)

STATE PLANE INFORMATION
N:294313.48
E:2599798.85
LAT:N29°47'36.871"
LONG:W82°30'34.766"

S17°11'13"W
308.61'(D)
N17°07'52"E
308.87'(M)

STATE PLANE INFORMATION
N:294605.86
E:2599897.61
LAT:N29°47'41.747"
LONG:W82°30'33.587"

SOUTH BOUNDARY LINE OF PARCEL DESCRIBED IN ORB 740, PG. 393 (PARCEL "C")

N72°58'39"W
2077.83'

PROPOSED INGRESS/EGRESS

N 72°35'16" E
20.00'

N 68°53'27" W
141.07'

Δ = 17°35'40"
R = 250.00'
L = 76.77'
CH = 76.47'
CB = N 39°53'01" W
C3

Δ = 53°49'11"
R = 540.00'
C = 488.80'
L = 507.24'
CB = S 44°19'21" E

Δ = 53°49'11"
R = 520.00'
C = 470.69'
L = 488.45'
CB = S 44°19'21" E

S 41°13'54" W
86.68'

WATERLINE AND PUBLIC UTILITY EASEMENT
ORB 3138, PAGE 99

S 20°35'48" E
87.72'

S 71°13'57" E
184.51'

C4
N 28°55'37" E
12.50'

N 41°03'54" E
86.68'

ORB 4065, PG 1500

WATERLINE AND PUBLIC UTILITY EASEMENT ORB 3138, PAGE 99

NORTH LINE PER LANDS DESCRIBED IN ORB 3247, PAGE 682

ORB 3247, PAGE 676

S41°03'54"W
S41°03'24"W
986.54'(M)(D)

1092.96'(D)

20.00'
WATERLINE AND PUBLIC UTILITY EASEMENT
ORB 3138, PAGE 99

CURVE TABLE					
CURVE	DELTA	LENGTH	RADIUS	CHORD	CHORD BEARING
C1	34°31'09"	127.72'	212.00'	125.80'	S 42°10'08" E
C2	39°19'46"	48.05'	70.00'	47.11'	S 40°15'41" E

SOUTHWEST CORNER PARCEL DESCRIBED IN D.B. 335, PG. 461. (PARCEL "B")

STATE PLANE INFORMATION
N:295411.23
E:2600636.47
LAT:N29°47'49.591"
LONG:W82°30'25.043"

S71°39'27"E

80.00' INGRESS AND EGRESS AND PUBLIC UTILITY EASEMENT PER ORB 3247, PG 682

CHRISTOPHER A. KOROSIC
ORB 2993, PAGE 332

N

GRAPHIC SCALE
100 0 50 100 200
(IN FEET)
1 inch = 100 ft.

NOTE:
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No.	Date	Revision	By
1			
2			
3			
4			
5	4/14/2016		
6			

Field Crew:
Drawn by: R.D.B.
Checked by: R.L.R.
Approved by: T.J.G.
Scale: N/A
Date: 4/14/2016
Job No.: W13392
File: W13392 SBV SURVEY.dwg
D.S.
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Walmart
STORE #3873-00
SECTION 9,10,15&16-TOWNSHIP 8 SOUTH-RANGE 18 EAST
ALACHUA COUNTY, FLORIDA

Sheet No.
3
of 9

MATCHLINE A SEE THIS SHEET

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U.S. HIGHWAY No. 441
(STATE ROAD No. 25)
(RIGHT-OF-WAY VARIES)
FDOT RIGHT-OF-WAY MAP SECTION No. 26020-2501
DATED 3/30/60
(POSTED 45 M.P.H.)

INTERSTATE HIGHWAY NO. 75
(300' LIMITED ACCESS R/W)
(PER FDOT RIGHT-OF-WAY MAP SECTION No. 26260-2401
DATED 3/30/60)
(POSTED 65 M.P.H.)

SITE BENCH MARK 1:
TOP S/W
ELV = 62.39'

SITE BENCH MARK 2:
TOP S/W
ELV = 78.05'

GRAPHIC SCALE
100 0 50 100 200
(IN FEET)
1 inch = 100 ft.

N

MATCHLINE A SEE THIS SHEET

MATCHLINE A SEE SHEET 5 OF 9

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No.	Date	Revision	By
1			
2			
3			
4	4/14/2016		
5			

Field Crew: D.S.
Drawn by: R.D.B.
Checked by: R.L.R.
Approved by: T.J.G.
Scale: N/A
Date: 4/14/2016
Job No.: W13392
File: C:\W13392 WDT 24 X 36.dwg
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Arch. Lic. No. AA2600926
Lndscp. Lic. No. LC0000296

BOUNDARY & TOPOGRAPHIC SURVEY

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STORE #3873-00
SECTION 9,10,15&16-TOWNSHIP 8 SOUTH-RANGE 18 EAST
ALACHUA COUNTY, FLORIDA

Sheet No.
4
of 9

MATCHLINE A SEE SHEET 4 OF 9

INTERSTATE HIGHWAY NO. 75
(300' LIMITED ACCESS R/W)
(PER FDOT RIGHT-OF-WAY MAP, SECTION No. 26260-2401
DATED 12/16/82)
POSTED @ 70 M.P.H.

STREET/FOOD SIGN

SITE BENCH MARK 4
SET CHISELED "+" ON HEADWALL
ELV = 124.00

EDGE OF WATER

POLE BARN

CONCRETE SLAB

SILOS

SANITARY MANHOLE
RIM ELEV. = 85.13'
BOTTOM ELEV. = 67.67'
S. INV. ELEV. = 70.93'

SANITARY MANHOLE
RIM ELEV. = 85.45'
BOTTOM ELEV. = 68.70'
S. INV. ELEV. = 77.70'

SANITARY MANHOLE
RIM ELEV. = 88.96'
S. INV. ELEV. = 79.93'
E. INV. ELEV. = 75.18'

SANITARY MANHOLE
RIM ELEV. = 95.49'
N. INV. ELEV. = 81.39'
E. INV. ELEV. = 81.34'
S. INV. ELEV. = 81.29'
W. INV. ELEV. = 81.38'

151ST BLVD

N

GRAPHIC SCALE

100 0 50 100 200

(IN FEET)
1 inch = 100 ft.

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No.	Date	Revision	By
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Field Crew: D.S.
Drawn by: R.D.B.
Checked by: R.L.R.
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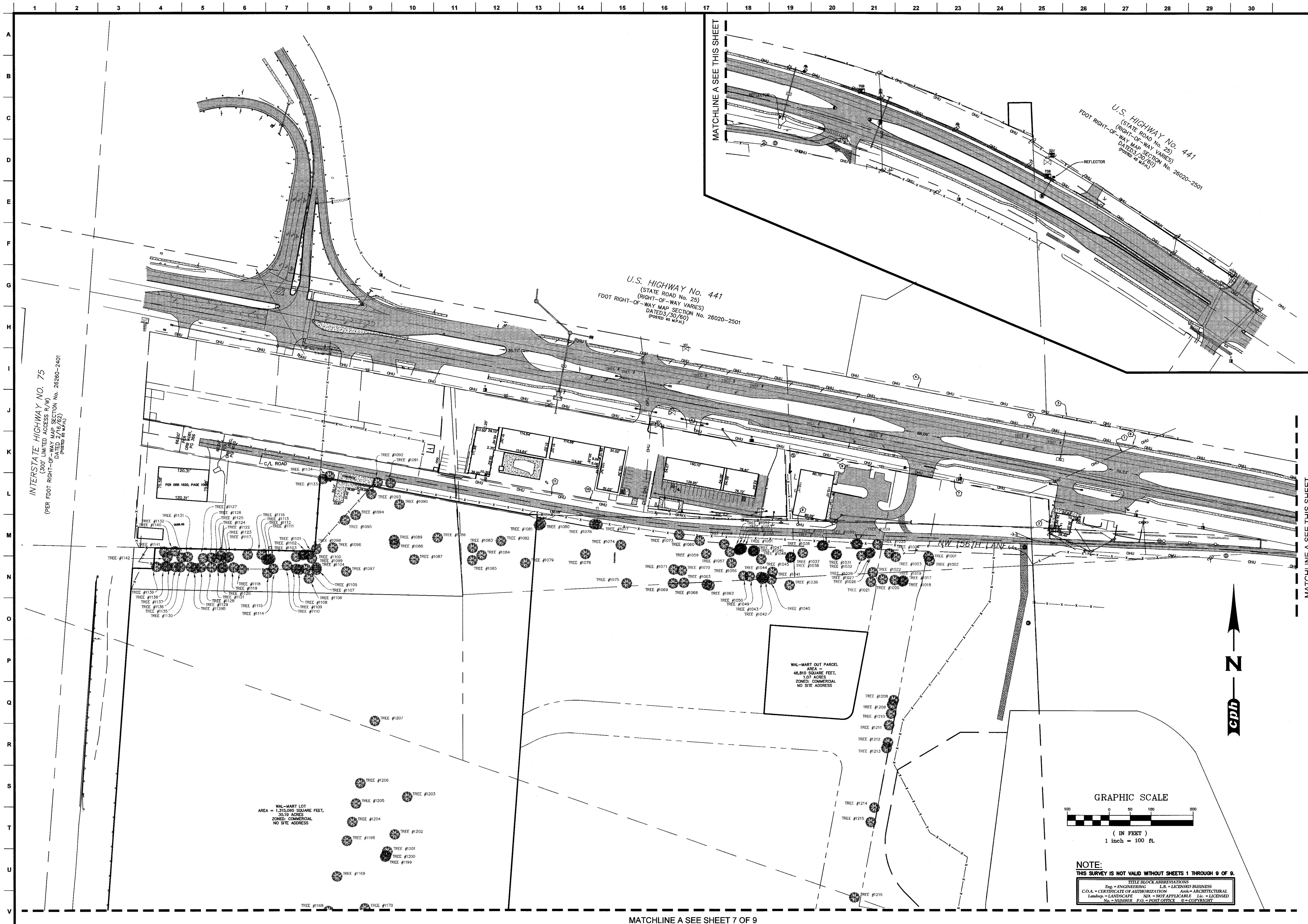
ALACHUA COUNTY, FLORIDA

Sheet No.
5
of 9



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No.	Date	Revision	By
7			
6			
5			
4			
3			
2			
1			

Field Crew:	D.S.
Drawn by:	R.D.B.
Checked by:	R.L.R.
Approved by:	T.J.G.
Scale:	N/A
Date:	4/14/2016
Job No.:	W13392
File: W13392 NEW DATA.dwg	© 2017

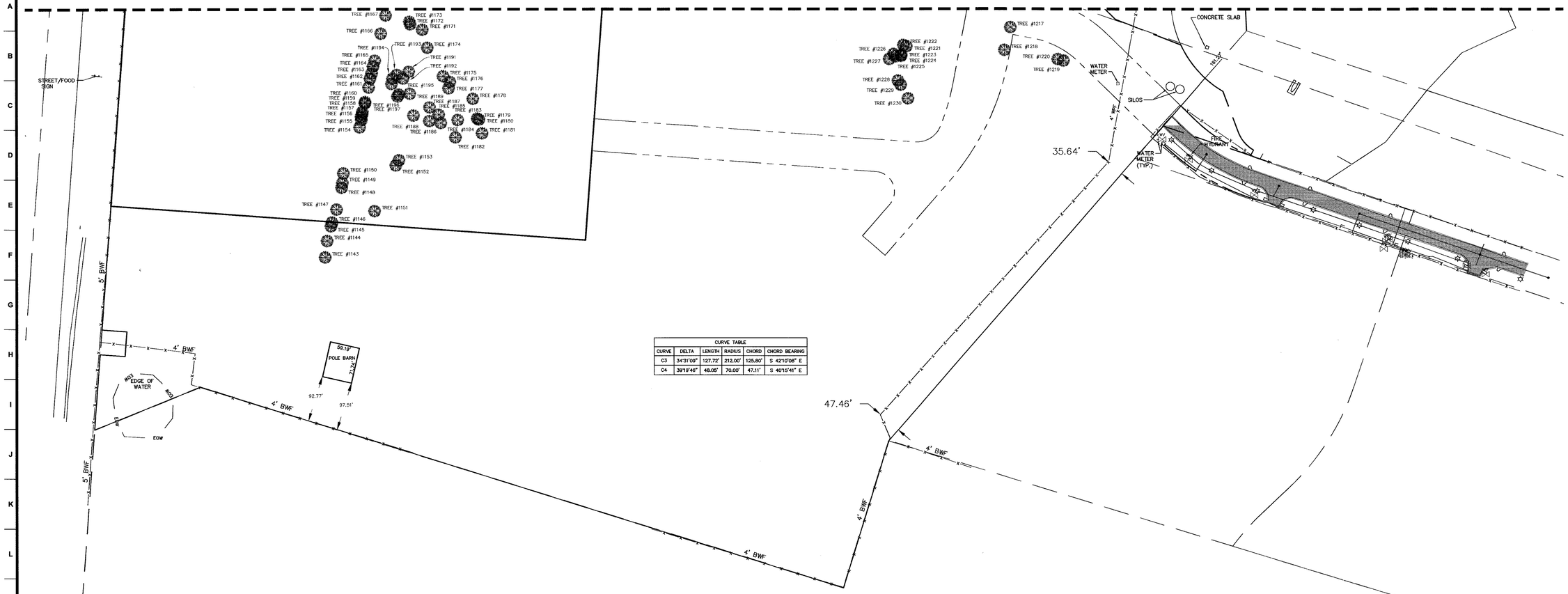
Survey Prepared By:
CPH, Inc.
500 West Fulton St.
Sanford, Fl. 32771
Ph: 407.322.6841
Licenses:
Eng. C.O.A. No. 3215
Survey L.B. No. 7143
Arch. Lic. No. AA2600926
Lndscp. Lic. No. LC0000298

BOUNDARY & TOPOGRAPHIC SURVEY

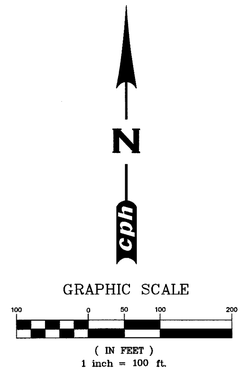
Walmart
STORE #3873-00
SECTION 9,10,15&16-TOWNSHIP 8 SOUTH-RANGE 18 EAST
ALACHUA COUNTY, FLORIDA

Sheet No.
6
of 9

MATCHLINE A SEE SHEET 6 OF 9



CURVE TABLE					
CURVE	DELTA	LENGTH	RADIUS	CHORD	CHORD BEARING
C3	34°31'09"	127.72'	212.00'	125.80'	S 42°10'08" E
C4	39°19'46"	48.05'	70.00'	47.11'	S 40°15'41" E



GRAPHIC SCALE

100 0 50 100 200

(IN FEET)
1 inch = 100 ft.

NOTE:
THIS SURVEY IS NOT VALID WITHOUT SHEETS 1 THROUGH 9 OF 9.

TITLE BLOCK ABBREVIATIONS
Eng. = ENGINEERING L.B. = LICENSED BUSINESS
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• Texas

No.	Date	Revision	By
1	4/14/2016		
2	4/14/2016		
3	4/14/2016		
4	4/14/2016		
5	4/14/2016		
6	4/14/2016		
7	4/14/2016		
8	4/14/2016		

Field Crew:	D.S.
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BOUNDARY & TOPOGRAPHIC SURVEY

Walmart
STORE #3873-00
SECTION 9,10,15&16-TOWNSHIP 8 SOUTH-RANGE 18 EAST
ALACHUA COUNTY, FLORIDA

Sheet No.
7
of 9

TEST HOLE DATA:

TH#	ELEVATION GROUND	ELEVATION TOP OF UTILITY	UTILITY DESCRIPTION
1	76.36	72.11	2" PVC & 1 1/4" CABLE, "ALTEL" BURIED TELEPHONE
2	76.43	72.18	6" BLUE PVC, FORCE MAIN, ALACHUA COUNTY
3	78.18	75.78	2 1/2" CABLE, "ALTEL" BURIED TELEPHONE
4	78.55	72.15	8" HIGH DENSITY POLYURETHANE, GAS MAIN, GAINESVILLE REGIONAL
5	79.95	77.45	2" GRAY PVC, WATER MAIN, ALACHUA COUNTY
6	76.84	73.69	6" BLUE PVC, FORCE MAIN, ALACHUA COUNTY
7	76.60	73.60	4" PVC, "ALTEL" BURIED TELEPHONE
8	78.89	77.09	2 1/2" CABLE, "ALTEL" BURIED TELEPHONE
9	80.71	77.21	8" HIGH DENSITY POLYURETHANE, GAS MAIN, GAINESVILLE REGIONAL
10	81.90	77.00	8" DUCTILE IRON PIPE, WATER MAIN, ALACHUA COUNTY
11	75.89	71.69	6" BLUE PVC, FORCE MAIN, ALACHUA COUNTY
12	75.42	70.72	2" ORANGE PVC & 1 1/4" CABLE, "ALTEL" BURIED TELEPHONE
13	74.46	71.36	2 1/2" CABLE, "ALTEL" BURIED TELEPHONE
14	75.14	67.64	8" HIGH DENSITY POLYURETHANE, GAS MAIN, GAINESVILLE REGIONAL
15	75.39	74.39	1" GRAY PVC, "ALTEL" BURIED TELEPHONE
16	75.50	68.90	8" PVC, WATER MAIN, ALACHUA COUNTY

MATCHLINE A SEE THIS SHEET

MATCHLINE A SEE THIS SHEET

U.S. HIGHWAY No. 441
(STATE ROAD No. 25)
(RIGHT-OF-WAY VARIES)
FDOT RIGHT-OF-WAY MAP SECTION No. 26020-2501
DATED 3/30/80)
(POSTED 45 M.P.H.)

INTERSTATE HIGHWAY NO. 75
300' LIMITED ACCESS R/W)
(PER FDOT RIGHT-OF-WAY MAP SECTION No. 26260-2401
DATED 3/16/62)
(POSTED 60 M.P.H.)

NW 158TH LANE

15901 NW 158TH AVE. METAL BLDG.

1 STORY BRICK AND METAL BUILDING 15850 NW US HIGHWAY 441

15920 NW US HIGHWAY 441 COMFORT INN

15900 NW US HIGHWAY 441 QUALITY INN

1 STORY BRICK AND METAL BUILDING 15900 NW US HIGHWAY 441

2 STORY CONCRETE BLOCK AND STUCCO BUILDINGS

WAL-MART LOT
AREA = 1,315,095 SQUARE FEET,
30.19 ACRES
ZONED: COMMERCIAL
NO SITE ADDRESS

WAL-MART OUT PARCEL
AREA =
45,810 SQUARE FEET,
1.07 ACRES
ZONED: COMMERCIAL
NO SITE ADDRESS

GRAPHIC SCALE

100 0 50 100 200

(IN FEET)
1 inch = 100 ft.

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No.	Date	Revision	By
1	4/14/2016		
2			
3			
4			
5			
6			

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Walmart
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SECTION 9,10,15&16-TOWNSHIP 9 SOUTH-RANGE 18 EAST
ALACHUA COUNTY, FLORIDA

Sheet No.
8
of 9

Tree #	D.B.H.	Tree Name	Scientific Name	Tree Condition
1001	20.5	Laurel Oak	*Quercus laurifolia*	Fair
1002	26	Laurel Oak	*Quercus laurifolia*	Poor
1017	23	Laurel Oak	*Quercus laurifolia*	Fair
1018	37.5	Laurel Oak	*Quercus laurifolia*	Fair
1019	26	Laurel Oak	*Quercus laurifolia*	Poor
1020	19.5	Laurel Oak	*Quercus laurifolia*	Good
1021	26	Laurel Oak	*Quercus laurifolia*	Poor
1022	19	Live Oak	*Quercus virginiana*	Fair
1023	34	Laurel Oak	*Quercus laurifolia*	Poor
1024	18.5	Live Oak	*Quercus virginiana*	Fair
1025	24	Laurel Oak	*Quercus laurifolia*	Fair
1026	17	Laurel Oak	*Quercus laurifolia*	Fair
1027	15, 20	Laurel Oak	*Quercus laurifolia*	Fair
1028	22	Laurel Oak	*Quercus laurifolia*	Fair
1029	21	Live Oak	*Quercus virginiana*	Fair
1030	19	Live Oak	*Quercus virginiana*	Fair
1031	20	Live Oak	*Quercus virginiana*	Fair
1032	22	Live Oak	*Quercus virginiana*	Fair
1033	20	Sweetgum	*Liquidambar styraciflua*	Fair
1034	20	Sweetgum	*Liquidambar styraciflua*	Fair
1036	28	Laurel Oak	*Quercus laurifolia*	Fair
1037	19.5, 11	Live Oak	*Quercus virginiana*	Fair
1038	14	Live Oak	*Quercus virginiana*	Fair
1039	24.5	Live Oak	*Quercus virginiana*	Fair
1040	22	Water Oak	*Quercus nigra*	Poor
1041	25	Water Oak	*Quercus nigra*	Poor
1042	22.5	Sweetgum	*Liquidambar styraciflua*	Fair
1043	23	Laurel Oak	*Quercus laurifolia*	Fair
1044	15, 35	Sweetgum	*Liquidambar styraciflua*	Fair
1045	22	Live Oak	*Quercus virginiana*	Fair
1046	12	Live Oak	*Quercus virginiana*	Fair
1047	10, 10	Live Oak	*Quercus virginiana*	Fair
1048	21.5	Live Oak	*Quercus virginiana*	Fair
1049	30	Sweetgum	*Liquidambar styraciflua*	Poor
1050	41	Laurel Oak	*Quercus laurifolia*	Poor
1051	17	Live Oak	*Quercus virginiana*	Fair
1052	17	Live Oak	*Quercus virginiana*	Fair
1053	13	Live Oak	*Quercus virginiana*	Fair
1054	15	Live Oak	*Quercus virginiana*	Fair
1055	16	Live Oak	*Quercus virginiana*	Fair
1056	16.5	Laurel Oak	*Quercus laurifolia*	Fair
1057	18.5	Live Oak	*Quercus virginiana*	Fair
1058	25	Laurel Oak	*Quercus laurifolia*	Fair
1059	15.5, 24, 39	Water Oak	*Quercus nigra*	Fair
1060	12, 18.5	Laurel Oak	*Quercus laurifolia*	Fair
1062	22	Laurel Oak	*Quercus laurifolia*	Fair
1063	20	Laurel Oak	*Quercus laurifolia*	Fair
1068	16.5, 20.5	Laurel Oak	*Quercus laurifolia*	Fair
1069	37	Live Oak	*Quercus virginiana*	Fair
1070	17	Live Oak	*Quercus virginiana*	Fair
1071	23	Live Oak	*Quercus virginiana*	Poor
1073	42.5	Live Oak	*Quercus virginiana*	Good
1074	15.5	Winged Elm	*Ulmus alata*	Poor
1075	28	Water Oak	*Quercus nigra*	Fair
1076	29	Laurel Oak	*Quercus laurifolia*	Poor
1077	10, 13, 16.5	Laurel Oak	*Quercus laurifolia*	Fair
1078	18	Hackberry	*Celtis laevigata*	Fair
1079	20	American Elm	*Ulmus americana*	Fair
1080	18	Laurel Oak	*Quercus laurifolia*	Fair
1081	16	Laurel Oak	*Quercus laurifolia*	Poor
1082	20	Laurel Oak	*Quercus laurifolia*	Fair
1083	25	Laurel Oak	*Quercus laurifolia*	Fair
1084	20	Laurel Oak	*Quercus laurifolia*	Fair
1085	21	American Elm	*Ulmus americana*	Good
1086	32	Laurel Oak	*Quercus laurifolia*	Fair
1087	21.5	Laurel Oak	*Quercus laurifolia*	Fair
1088	23.5	Laurel Oak	*Quercus laurifolia*	Poor
1089	27.5	Laurel Oak	*Quercus laurifolia*	Fair
1090	21	Live Oak	*Quercus virginiana*	Fair
1091	33	Hickory	*Carya* sp.	Fair
1092	25	Laurel Oak	*Quercus laurifolia*	Poor
1093	27	Laurel Oak	*Quercus laurifolia*	Good
1094	25	Laurel Oak	*Quercus laurifolia*	Fair
1095	32	Laurel Oak	*Quercus laurifolia*	Fair
1096	28	Laurel Oak	*Quercus laurifolia*	Fair
1097	44	Hickory	*Carya* sp.	Fair
1098	22	Laurel Oak	*Quercus laurifolia*	Fair
1099	10	Hickory	*Carya* sp.	Poor
1100	12	Hackberry	*Celtis laevigata*	Fair
1101	11	Laurel Oak	*Quercus laurifolia*	Fair
1102	20	Hickory	*Carya* sp.	Fair
1103	12	Hickory	*Carya* sp.	Fair
1104	10	Laurel Oak	*Quercus laurifolia*	Fair
1105	19.5	Hackberry	*Celtis laevigata*	Poor
1106	14	Hackberry	*Celtis laevigata*	Fair
1107	22	Hackberry	*Celtis laevigata*	Poor
1108	15.5	Hackberry	*Celtis laevigata*	Poor
1109	17.5	Hackberry	*Celtis laevigata*	Poor
1110	12.5	Hackberry	*Celtis laevigata*	Poor
1111	18	Hickory	*Carya* sp.	Fair
1112	12.5	Black Cherry	*Prunus serotina*	Poor
1113	17	Hickory	*Carya* sp.	Fair
1114	25	Hackberry	*Celtis laevigata*	Poor
1115	12	Hickory	*Carya* sp.	Fair
1116	12	Hickory	*Carya* sp.	Fair
1117	13.5	Hickory	*Carya* sp.	Fair
1118	18	Hackberry	*Celtis laevigata*	Poor
1119	11.5	Hackberry	*Celtis laevigata*	Fair
1120	27	Hackberry	*Celtis laevigata*	Fair
1121	17	Hackberry	*Celtis laevigata*	Fair
1122	12.5, 6.5	Hackberry	*Celtis laevigata*	Fair
1123	20	Laurel Oak	*Quercus laurifolia*	Good
1124	11	Hackberry	*Celtis laevigata*	Fair
1125	24	Laurel Oak	*Quercus laurifolia*	Poor
1126	25	Laurel Oak	*Quercus laurifolia*	Fair
1127	19.5	Sweetgum	*Liquidambar styraciflua*	Fair
1128	16	Laurel Oak	*Quercus laurifolia*	Fair
1129A	14.5	Laurel Oak	*Quercus laurifolia*	Fair
1129B	12	Hackberry	*Celtis laevigata*	Poor
1130	16	Black Cherry	*Prunus serotina*	Poor
1131	15	Sweetgum	*Liquidambar styraciflua*	Fair
1132	12	Sweetgum	*Liquidambar styraciflua*	Poor
1133	16	American Elm	*Ulmus americana*	Fair
1134	34	Hackberry	*Celtis laevigata*	Fair
1135	31	Hackberry	*Celtis laevigata*	Poor
1136	15	Hackberry	*Celtis laevigata*	Fair
1137	20.5	Laurel Oak	*Quercus laurifolia*	Poor
1138	13.5	Laurel Oak	*Quercus laurifolia*	Poor
1139	40	Laurel Oak	*Quercus laurifolia*	Fair
1140	11	Sweetgum	*Liquidambar styraciflua*	Poor
1141	19.5	Sweetgum	*Liquidambar styraciflua*	Fair
1142	12	Hickory	*Carya* sp.	Poor
1143	18.5	Sweetgum	*Liquidambar styraciflua*	Good
1144	16	Hickory	*Carya* sp.	Fair
1145	11	Hackberry	*Celtis laevigata*	Fair
1146	15	Hickory	*Carya* sp.	Fair
1147	11	Hackberry	*Celtis laevigata*	Fair
1148	20	Hackberry	*Celtis laevigata*	Poor
1149	12	Hackberry	*Celtis laevigata*	Fair
1150	26	Sweetgum	*Liquidambar styraciflua*	Fair
1151	40	Sweetgum	*Liquidambar styraciflua*	Poor
1152	28	Sweetgum	*Liquidambar styraciflua*	Fair
1153	26.5	Sweetgum	*Liquidambar styraciflua*	Poor
1154	22	Sweetgum	*Liquidambar styraciflua*	Good
1155	25	Sweetgum	*Liquidambar styraciflua*	Fair
1156	12	Sweetgum	*Liquidambar styraciflua*	Fair
1157	10.5	Sweetgum	*Liquidambar styraciflua*	Fair
1158	15	Sweetgum	*Liquidambar styraciflua*	Fair
1159	18.5	Hickory	*Carya* sp.	Fair
1160	10.5	Hackberry	*Celtis laevigata*	Poor
1161	18	Sweetgum	*Liquidambar styraciflua*	Fair
1163	13	Hackberry	*Celtis laevigata*	Fair
1164	13	Hackberry	*Celtis laevigata*	Fair
1165	12	Hackberry	*Celtis laevigata*	Fair
1166	22.5	Hackberry	*Celtis laevigata*	Poor
1167	15	American Elm	*Ulmus americana*	Fair
1168	19.5	Sweetgum	*Liquidambar styraciflua*	Good
1169	12, 12	American Elm	*Ulmus americana*	Fair
1170	40.5	Tulip Poplar	*Liriodendron tulipifera*	Poor
1171	23	Hickory	*Carya* sp.	Fair
1172	22	Sweetgum	*Liquidambar styraciflua*	Fair
1173	40.5	Sweetgum	*Liquidambar styraciflua*	Fair
1174	22	Hickory	*Carya* sp.	Poor
1175	24	Sweetgum	*Liquidambar styraciflua*	Good
1176	28.5	Sweetgum	*Liquidambar styraciflua*	Fair
1177	34	Sweetgum	*Liquidambar styraciflua*	Fair
1178	22.5	Hickory	*Carya* sp.	Fair
1179	17	Sweetgum	*Liquidambar styraciflua*	Fair
1180	23	Sweetgum	*Liquidambar styraciflua*	Fair
1181	28	Sweetgum	*Liquidambar styraciflua*	Poor
1182	35.5, 9.5	Sweetgum	*Liquidambar styraciflua*	Fair
1183	21.5	Sweetgum	*Liquidambar styraciflua*	Fair
1184	14	Sweetgum	*Liquidambar styraciflua*	Fair
1185	11	Sweetgum	*Liquidambar styraciflua*	Good
1186	10	Sweetgum	*Liquidambar styraciflua*	Good
1187	31.5	Sweetgum	*Liquidambar styraciflua*	Fair
1188	36	Sweetgum	*Liquidambar styraciflua*	Very Poor
1189	20	Sweetgum	*Liquidambar styraciflua*	Fair
1190	23	Sweetgum	*Liquidambar styraciflua*	Fair
1191	19.5	Sweetgum	*Liquidambar styraciflua*	Fair
1192	23.5	Sweetgum	*Liquidambar styraciflua*	Fair
1193	26	Sweetgum	*Liquidambar styraciflua*	Fair
1194	26.5	Sweetgum	*Liquidambar styraciflua*	Poor
1195	24	Sweetgum	*Liquidambar styraciflua*	Poor
1196	26	Hickory	*Carya* sp.	Fair
1197	23	Sweetgum	*Liquidambar styraciflua*	Poor
1198	18, 12	Laurel Oak	*Quercus laurifolia*	Fair
1199	28.5	Hackberry	*Celtis laevigata*	Fair
1200	19	Hackberry	*Celtis laevigata*	Fair
1201	41	Sweetgum	*Liquidambar styraciflua*	Fair
1202	29	Hackberry	*Celtis laevigata*	Poor
1203	46	Hickory	*Carya* sp.	Poor
1204	11, 12	Black Cherry	*Prunus serotina*	Fair
1205	18	Sweetgum	*Liquidambar styraciflua*	Fair
1206	12	Hackberry	*Celtis laevigata*	Fair
1207	29.5	Laurel Oak	*Quercus laurifolia*	Fair
1208	20, 23	Laurel Oak	*Quercus laurifolia*	Fair
1209	9, 10, 12	Laurel Oak	*Quercus laurifolia*	Fair
1210	14	Laurel Oak	*Quercus laurifolia*	Fair
1211	34	Hackberry	*Celtis laevigata*	Fair
1212	31.5	Laurel Oak	*Quercus laurifolia*	Good
1213	19	Laurel Oak	*Quercus laurifolia*	Fair
1214	18	Laurel Oak	*Quercus laurifolia*	Fair
1215	23	Laurel Oak	*Quercus laurifolia*	Fair
1216	20	Laurel Oak	*Quercus laurifolia*	Fair
1217	20	Laurel Oak	*Quercus laurifolia*	Fair
1218	18, 19	Hackberry	*Celtis laevigata*	Poor
1219	15	Hackberry	*Celtis laevigata*	Fair
1220	12	Hackberry	*Celtis laevigata*	Fair
1221	19	Hackberry	*Celtis laevigata*	Fair
1222	13.5	Sweetgum	*Liquidambar styraciflua*	Good
1223	12.5	Sweetgum	*Liquidambar styraciflua*	Good
1224	13	Sweetgum	*Liquidambar styraciflua*	Good
1225	11	Sweetgum	*Liquidambar styraciflua*	Good
1226	12.5	Sweetgum	*Liquidambar styraciflua*	Fair
1227	13.5	Sweetgum	*Liquidambar styraciflua*	Good
1228	23.5	Hickory	*Carya* sp.	Fair
1229	26.5	Sweetgum	*Liquidambar styraciflua*	Fair
1230	29	Hickory	*Carya* sp.	Fair

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3	© 2017	

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Checked by: R.L.R.
Approved by: T.J.G.
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File: W13392 ABSTRACT.dwg

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ALACHUA COUNTY, FLORIDA

Sheet No.
9
of 9

GENERAL NOTES

A. PROJECT OFFICE WALL SWPPP POSTINGS:
THE FOLLOWING ITEMS MUST BE POSTED TOGETHER IN A SINGLE, ORGANIZED LOCATION ON A WALL INSIDE THE PROJECT OFFICE: 1) SWPPP SITE MAPS (ALL PHASES); 2) SWPPP DETAIL SHEETS; 3) MAP SHOWING LOCATION OF OFFSITE IMPORT OR EXPORT FACILITY; 4) REVISIONS TO DETAILS, SITE MAPS, OR SWPPP-RELATED RFIS; 5) SITE SWPPP BINDER; 6) SWCT PLACARD; 7) CURRENT OWNER STORMWATER COMPLIANCE TRAINING CERTIFICATES FOR SUPERINTENDENT(S) AND COMPLIANCE OFFICER(S); AND 8) CERTIFICATIONS AND/OR TRAINING CERTIFICATES REQUIRED TO PERFORM INSPECTIONS BY THE APPLICABLE CONSTRUCTION GENERAL PERMIT OR AUTHORITY HAVING JURISDICTION.

B. PERMITTED PROJECT AREA:
FOR PURPOSES OF THIS SWPPP AND ASSOCIATED STORMWATER PERMIT, 'PERMITTED PROJECT AREA' IS DEFINED AS ANY AND ALL AREAS WITHIN THE PROJECT LIMITS OF DISTURBANCE, AS SHOWN ON THE SWPPP SITE MAPS AND IDENTIFIED IN THE NOTICE OF INTENT TO THE AGENCY. ALL GROUND-DISTURBING AND CONSTRUCTION-RELATED ACTIVITIES (MATERIAL STORAGE, DUMPSTERS, PARKING AREAS, PROJECT OFFICE TRAILER, ETC.) MUST BE INCLUDED WITHIN THE PERMITTED PROJECT AREA LIMITS OF DISTURBANCE.

OFFSITE AREA(S) TO BE DISTURBED AS PART OF THIS PROJECT (NOT ON OWNER PROPERTY):

ALL AREAS OUTSIDE THE PERMITTED PROJECT AREA (I.E., LIMITS OF DISTURBANCE) ACQUIRED FOR USE BY THE GC OR A SUBCONTRACTOR OF THE GC (BORROW SOURCES, DISPOSAL AREAS, ETC.) MUST BE MANAGED IN ACCORDANCE WITH APPENDIX E - TAB 21 OF THE 02370 SPECIFICATION. THE CONTRACTOR IS REQUIRED TO LOCATE OFFICE TRAILERS AND MATERIAL STORAGE AREAS FOR THE PROJECT WITHIN THE LIMITS OF DISTURBANCE. THE CONTRACTOR MAY REQUEST USE OF OFF-SITE LOCATIONS FOR OFFICE TRAILERS OR NON-ERODIBLE MATERIAL STORAGE; HOWEVER, APPROVAL MUST BE OBTAINED FROM THE CONSTRUCTION MANAGER, THE CEC AND THE WAL-MART SWCT PRIOR TO THEIR USE. REQUESTS WILL BE REVIEWED ON A CASE BY CASE BASIS AND IF APPROVED, LIMITATIONS ON USE WILL BE PROVIDED BY THE CEC.

C. SPECIAL PROJECT AREAS:
TBD

D.1 NON-STORMWATER DISCHARGES:
THE GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES PROHIBITS MOST NON-STORMWATER DISCHARGES DURING THE CONSTRUCTION PHASE. ALLOWABLE NON-STORMWATER DISCHARGES THAT OCCUR DURING CONSTRUCTION ON THIS PROJECT, ARE INCLUDED IN THE SECTION 1.1.3 OF THE GENERAL PERMIT.

BEST MANAGEMENT PRACTICES (BMPS) MUST BE IMPLEMENTED FOR THE GENERAL PERMIT ALLOWABLE DISCHARGES FOR THE DURATION OF THE PERMIT. THE TECHNIQUES DESCRIBED IN THIS SWPPP FOCUS ON PROVIDING CONTROL OF POLLUTANT DISCHARGES WITH PRACTICAL APPROACHES THAT UTILIZE READILY AVAILABLE EXPERTISE, MATERIAL, AND EQUIPMENT.

NON-STORMWATER COMPONENTS OF SITE DISCHARGES MUST BE UNCONTAMINATED NON-TURBID WATER. ALL NON-STORMWATER DISCHARGES MUST BE ROUTED TO A STORMWATER CONTROL PRIOR TO DISCHARGE. WATER USED FOR CONSTRUCTION WHICH DISCHARGES FROM THE SITE MUST ORIGINATE FROM A PUBLIC WATER SUPPLY OR PRIVATE WELL APPROVED BY THE STATE HEALTH DEPARTMENT. WATER USED FOR CONSTRUCTION THAT DOES NOT ORIGINATE FROM AN APPROVED PUBLIC SUPPLY MUST NOT DISCHARGE FROM THE SITE; IT CAN BE RETAINED IN RETENTION PONDS UNTIL IT INFILTRATES OR EVAPORATES. WHEN NON-STORMWATER IS DISCHARGED FROM THE SITE, IT MUST BE DONE IN A MANNER SUCH THAT IT DOES NOT CAUSE EROSION OF THE SOIL DURING DISCHARGE.

D.2 POWER WASHING:
PROCESS WATER SUCH AS POWER WASHING WATER AND CONCRETE CUTTING EFFLUENT, AMONG OTHERS, MUST BE COLLECTED FOR TREATMENT AND DISPOSAL. IT MUST NOT BE FLUSHED INTO THE SITE STORM DRAIN SYSTEM OR DISCHARGED OFF-SITE.

D. DISCHARGE POINTS:
ALL DISCHARGE POINTS MUST BE INSPECTED TO DETERMINE WHETHER EROSION AND SEDIMENTATION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING DISCHARGE OF SEDIMENT FROM THE SITE AND/OR IMPACTS TO RECEIVING WATERS. SEDIMENT ACCUMULATION DOWNGRADIENT OF DISCHARGE LOCATIONS SHALL BE REPORTED AS A SEDIMENT DISCHARGE (SEE APPENDIX E - TAB 14, SEDIMENT RELEASES, OF THE 02370 SPECIFICATION) AND THE POTENTIAL UPSTREAM CAUSE SHALL BE INVESTIGATED TO PREVENT FUTURE OCCURRENCE. CONTACT THE CM, CEC AND SWCT TO DETERMINE APPROPRIATE ACTION FOR CLEANUP OF DISCHARGED SEDIMENT THAT MAY BE OUTSIDE OF THE LIMITS OF DISTURBANCE. SEE SAMPLING AND MONITORING OF EFFLUENT PLAN (IF APPLICABLE).

EROSION AND SEDIMENT CONTROL NOTES

A. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THIS STORM WATER POLLUTION PREVENTION PLAN. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST OF OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.

B. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.

C. SITE MAP MUST CLEARLY DELINEATE ALL STATE WATERS. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.

D. CONTRACTOR TO LIMIT DISTURBANCE OF SITE IN STRICT ACCORDANCE WITH SWPPP IMPLEMENTATION SEQUENCE, OR AS REQUIRED BY THE APPLICABLE GENERAL PERMIT. NO UNNECESSARY OR IMPROPERLY SEQUENCED CLEARING AND/OR GRADING SHALL BE PERMITTED.

E. ALL DENUDED/BARE AREAS THAT WILL BE INACTIVE FOR 7 DAYS OR MORE, MUST BE STABILIZED IMMEDIATELY UPON COMPLETION OF MOST RECENT GRADING ACTIVITY, WITH THE USE OF FAST-GERMINATING ANNUAL GRASS/GRAIN VARIETIES, STRAW/HAY MULCH, WOOD CELLULOSE FIBERS, TACKIFIERS, NETTING AND/OR BLANKETS. COMPLETION MUST BE ACHIEVED WITHIN 14 DAYS.

F. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY STABILIZED AS SHOWN ON THE PLANS. THESE AREAS SHALL BE SEEDED, SODDED, AND/OR VEGETATED IMMEDIATELY, AND COMPLETED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND/OR LANDSCAPE PLAN.

G. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION. TEMPORARY AND/OR PERMANENT STABILIZATION SHALL BE APPLIED PER REQUIREMENTS IN THESE E&S CONTROL NOTES.

H. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION AND SEDIMENT CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION AND POLLUTANT DISCHARGE OFF-SITE.

I. ALL MEASURES STATED ON THIS SITE MAP, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT, AND REPAIRED IN ACCORDANCE WITH THE SITE PLANS.

J. STORM WATER POLLUTANT CONTROL MEASURES INSTALLED DURING CONSTRUCTION, THAT WILL ALSO PROVIDE STORM WATER MANAGEMENT AFTER CONSTRUCTION, ARE INCLUDED IN THE CONTRACT DOCUMENTS. THE SITE-SPECIFIC POST CONSTRUCTION STORM WATER OPERATION AND MAINTENANCE (O&M) MANUAL IS INCLUDED IN THE CONTRACT DOCUMENTS.

K. ALL PERMANENT CONTROLS AND SYSTEMS MUST BE INSTALLED AND FUNCTIONING AS DESIGNED AND FREE OF ACCUMULATED SEDIMENT AND DEBRIS DURING FINAL PROJECT INSPECTION AND APPROVAL.

SWPPP UPDATES AND AMENDMENTS

THE GC MUST UPDATE THE SWPPP, INCLUDING THE JOBSITE BINDER AND SITE MAPS, TO REFLECT THE PROGRESS OF CONSTRUCTION ACTIVITIES AND GENERAL CHANGES TO THE PROJECT SITE. UPDATES SHALL BE MADE DAILY TO TRACK PROGRESS WHEN ANY OF THE FOLLOWING ACTIVITIES OCCUR: BMP INSTALLATION, MODIFICATION OR REMOVAL, CONSTRUCTION ACTIVITIES (E.G., PAVING, STORM SEWER INSTALLATION, FOOTING INSTALLATION, ETC.), CLEARING, GRUBBING OR GRADING, OR TEMPORARY OR PERMANENT STABILIZATION.

IMPORTANT:
THE GENERAL CONTRACTOR MUST SUBMIT A REQUEST FOR INFORMATION (RFI) TO THE CEC AND OBTAIN WRITTEN CEC APPROVAL BEFORE DOING ANY OF THE FOLLOWING:

1. MODIFYING EROSION OR SEDIMENT CONTROL BMPs (SUBSTITUTIONS ARE TYPICALLY ONLY APPROVED IF SPECIFIED MATERIALS ARE NOT AVAILABLE OR THERE IS A VALID REASON THE SPECIFIED BMP WILL NOT WORK)
2. ADDING/DELETING EROSION OR SEDIMENT CONTROL BMPs;
3. MODIFYING THE SWPPP IMPLEMENTATION SEQUENCE; OR
4. PERFORMING ANY ACTIONS OR IN ANY MANNER THAT IS CONTRARY TO THE SWPPP.

THE CONTRACTOR MAY MODIFY OR ADD ADDITIONAL BMPs, WITHOUT CEC APPROVAL, IN AN EMERGENCY SITUATION TO PREVENT SEDIMENT DISCHARGE OR PROTECT WATER QUALITY; HOWEVER, GC MUST NOTIFY THE CEC AS SOON AS PRACTICAL AS TO THEIR ACTIONS TO DISCUSS THE NEED FOR ADDITIONAL OR SUPPLEMENTAL MEASURES AND TO OBTAIN THE REQUIRED APPROVALS. THE CONTRACTOR IS ULTIMATELY RESPONSIBLE TO ENSURE COMPLIANCE WITH THE PERMIT AND PROTECTION OF DOWNSTREAM WATER QUALITY.

AMENDING THE SWPPP DOES NOT MEAN THAT IT HAS TO BE REPRINTED. IT IS ACCEPTABLE TO ADD ADDENDA, SKETCHES, NEW SECTIONS, DETAILS, AND/OR REVISED DRAWINGS THAT HAVE THE CEC NAME IN PRINT, ARE STAMPED, SIGNED, DATED, AND ARE ACCOMPANIED BY WRITTEN COPY OF THE ASSOCIATED RFI AND ITS RESPONSE FROM CEC. ENGINEERED ITEMS MUST BE SIGNED AND STAMPED BY THE CEC OF RECORD FOR THE PROJECT.

HAZARDOUS MATERIAL MANAGEMENT & SPILL REPORTING

ANY HAZARDOUS OR POTENTIALLY HAZARDOUS MATERIAL THAT IS BROUGHT ONTO THE CONSTRUCTION SITE SHALL BE HANDLED PROPERLY TO REDUCE THE POTENTIAL FOR STORMWATER POLLUTION. ALL MATERIALS USED ON THIS CONSTRUCTION SITE SHALL BE PROPERLY STORED, HANDLED, DISPENSED AND DISPOSED OF FOLLOWING ALL APPLICABLE LABEL DIRECTIONS. FLAMMABLE AND COMBUSTIBLE LIQUIDS SHALL BE STORED AND HANDLED ACCORDING TO APPLICABLE REGULATIONS, AND, AT A MINIMUM, ACCORDING TO 29 CFR 1926.152. ONLY APPROVED CONTAINERS AND PORTABLE TANKS SHALL BE USED FOR STORAGE AND HANDLING OF FLAMMABLE AND COMBUSTIBLE LIQUIDS.

MATERIAL SAFETY DATA SHEETS (MSDS) INFORMATION SHALL BE KEPT ON SITE FOR ANY AND ALL APPLICABLE MATERIALS. HOWEVER, MSDS MAY ALSO BE ACCESSED VIA TELEPHONE OR OTHER ELECTRONIC MEANS OR APPARATUS.

IN THE EVENT OF AN ACCIDENTAL SPILL, IMMEDIATE ACTION SHALL BE TAKEN BY THE GC TO CONTAIN AND REMOVE THE SPILLED MATERIAL. THE SPILL SHALL BE REPORTED TO THE APPROPRIATE AGENCIES IN THE REQUIRED TIME FRAMES. AS REQUIRED UNDER THE PROVISIONS OF THE CLEAN WATER ACT, ANY SPILL OR DISCHARGE ENTERING WATERS OF THE UNITED STATES SHALL BE PROPERLY REPORTED.

ALL HAZARDOUS MATERIALS, INCLUDING CONTAMINATED SOIL AND LIQUID CONCRETE WASTE, SHALL BE DISPOSED OF BY THE CONTRACTOR IN THE MANNER SPECIFIED BY FEDERAL, STATE AND LOCAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS.

THE GC SHALL PREPARE A WRITTEN RECORD OF ANY SPILL AND ASSOCIATED CLEAN-UP ACTIVITIES OF PETROLEUM PRODUCTS OR HAZARDOUS MATERIALS IN EXCESS OF 1 GALLON OR REPORTABLE QUANTITIES, WHICHEVER IS LESS, ON THE DAY OF THE SPILL. THE GC SHALL PROVIDE NOTICE TO OWNER, VIA THE ONLINE CRITICAL INCIDENT REPORT, IMMEDIATELY UPON IDENTIFICATION OF ANY SPILL. SPILL REPORT FORMS ARE AVAILABLE IN THE ONLINE SWPPP REPORTING SYSTEM PROVIDED BY THE OWNER. COPIES OF SPILL CRITICAL INCIDENT REPORTS SHALL BE PRINTED AND MAINTAINED IN THE JOBSITE BINDER.

ANY SPILLS OF PETROLEUM PRODUCTS OR HAZARDOUS MATERIALS IN EXCESS OF REPORTABLE QUANTITIES AS DEFINED BY EPA OR THE STATE OR LOCAL AGENCY REGULATIONS, SHALL BE IMMEDIATELY REPORTED TO THE EPA NATIONAL RESPONSE CENTER (1-800-424-8802) AND FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (1-800-320-0519)
http://www.dep.state.fl.us/oer/reportable_incident.htm

THE STATE REPORTABLE QUANTITY FOR PETROLEUM PRODUCTS IS: 5 GALLONS, HOWEVER, IF SPILL INVOLVES STATE WATERWAYS, ANY AMOUNT MUST BE REPORTED AS REQUIRED IN SECTION 62-770, F.A.C.

THE STATE REPORTABLE QUANTITY FOR PETROLEUM PRODUCTS IS:
5 GALLONS, HOWEVER, IF SPILL INVOLVES STATE WATERWAYS, ANY AMOUNT MUST BE REPORTED AS REQUIRED IN SECTION 62-770, F.A.C.

WRITTEN NOTICE MUST BE PROVIDED USING THE DISCHARGE REPORT FORM [FORM NUMBER 62-761.900111] NOTICE MUST BE FILED WITHIN ONE (1) WEEK UNLESS TO SURFACE OF LAND OR TO SURFACE WATER WHERE REPORT SHALL BE WITHIN 24 HOURS.

WITHIN 14 DAYS OF RELEASE, THE SWPPP MUST BE MODIFIED TO PROVIDE A DESCRIPTION OF THE RELEASE, CIRCUMSTANCES LEADING TO THE RELEASE, AND THE DATE OF THE RELEASE. IN ADDITION, THE SWPPP MUST BE REVIEWED TO IDENTIFY MEASURES TO PREVENT REOCCURRENCE OF RELEASE, AND MODIFIED WHEN APPROPRIATE.

THE REPORTABLE QUANTITY FOR HAZARDOUS MATERIALS CAN BE FOUND IN 40 CFR 302 AND THE EPA LISTS AT http://www2.epa.gov/epcra/consolidated-list-lists

1) ALL MATERIALS WITH HAZARDOUS PROPERTIES, SUCH AS PESTICIDES, PETROLEUM PRODUCTS, FERTILIZERS, SOAPS, DETERGENTS, CONSTRUCTION CHEMICALS, ACIDS, BASES, PAINTS, PAINT SOLVENTS, ADDITIVES FOR SOIL STABILIZATION, CONCRETE, CURING COMPOUNDS AND ADDITIVES, ETC., SHALL BE STORED IN A SECURE LOCATION, UNDER COVER AND IN APPROPRIATE, TIGHTLY SEALED CONTAINERS WHEN NOT IN USE.

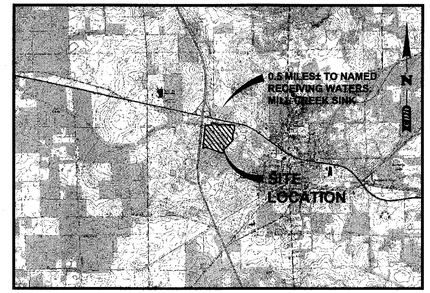
2) THE MINIMUM PRACTICAL QUANTITY OF ALL SUCH MATERIALS SHALL BE KEPT ON THE JOB SITE AND SCHEDULED FOR DELIVERY AS CLOSE TO TIME OF USE AS PRACTICAL.

3) A SPILL CONTROL AND CONTAINMENT KIT (CONTAINING FOR EXAMPLE, ABSORBENT MATERIAL SUCH AS KITTY LITTER OR SAWDUST, ACID, BASE, NEUTRALIZING AGENT, BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, PLASTIC AND METAL TRASH CONTAINERS, ETC.) SHALL BE PROVIDED AT THE CONSTRUCTION SITE AND ITS LOCATION(S) SHALL BE IDENTIFIED WITH LEGIBLE SIGNAGE AND SHOWN ON SITE MAPS.
   a. THE SPILL CONTROL AND CONTAINMENT KIT SUPPLIES SHALL BE OF SUFFICIENT QUANTITIES AND APPROPRIATE CONTENT TO CONTAIN A SPILL FROM THE LARGEST ANTICIPATED PIECE OF EQUIPMENT AND FROM THE LARGEST ANTICIPATED QUANTITIES OF PRODUCTS STORED ON THE SITE AT ANY GIVEN TIME.
   b. CONTENTS SHALL BE INSPECTED DAILY DURING THE DAILY STORMWATER INSPECTION.

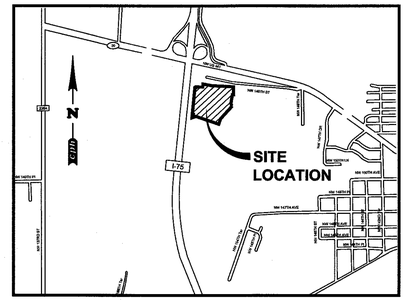
4) ALL PRODUCTS SHALL BE STORED IN AND USED FROM THE ORIGINAL CONTAINER WITH THE ORIGINAL PRODUCT LABEL. CONTAINERS MUST BE STORED IN A MANNER TO PROTECT THEM FROM THE ELEMENTS AND INCIDENTAL DAMAGE.

5) ALL PRODUCTS SHALL BE USED IN STRICT COMPLIANCE WITH INSTRUCTIONS ON THE PRODUCT LABEL.

6) THE DISPOSAL OF EXCESS OR USED PRODUCTS SHALL BE IN STRICT COMPLIANCE WITH INSTRUCTIONS ON THE PRODUCT LABEL AND REGULATIONS.



USGS QUADRANGLE MAP - 1" = 5,280'
ALACHUA, FLORIDA



LOCATION MAP - 1" = 2,000'
ALACHUA, FLORIDA
SECTION 15/16-TOWNSHIP 8 SOUTH - RANGE 18 EAST

WALMART STORES EAST, LP
2001 SE 10TH STREET
BENTONVILLE, AR
72716-5570
501-273-4000

SITE OPERATOR/GENERAL CONTRACTOR:

SUPERINTENDENT:

IMPORTANT: GC MUST SIGN ALL PLAN SHEETS AND ANY NEW PLAN SHEETS ISSUED BY THE CEC.

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APR 03 2017

No.	Date	Revision	By
1	2/17/15	NONE	B.P.C.
2			H.L.W
3			P.W.R.
4			B.P.C.

Designed by: B.P.C.
Drawn by: P.W.R.
Checked by: H.L.W
Approved by: B.P.C.
Scale: NONE
Date: 2/17/15
Job No.: W13392.1

Plans Prepared By:
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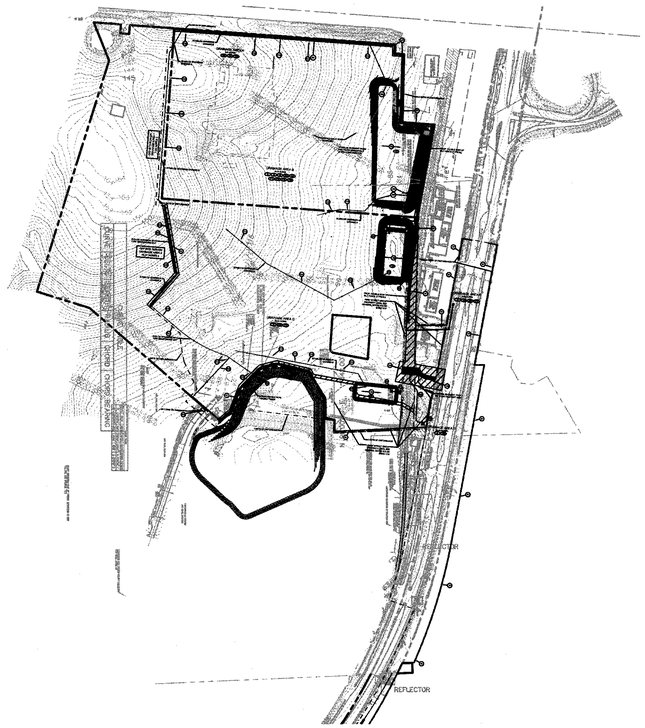
SWPPP NOTES

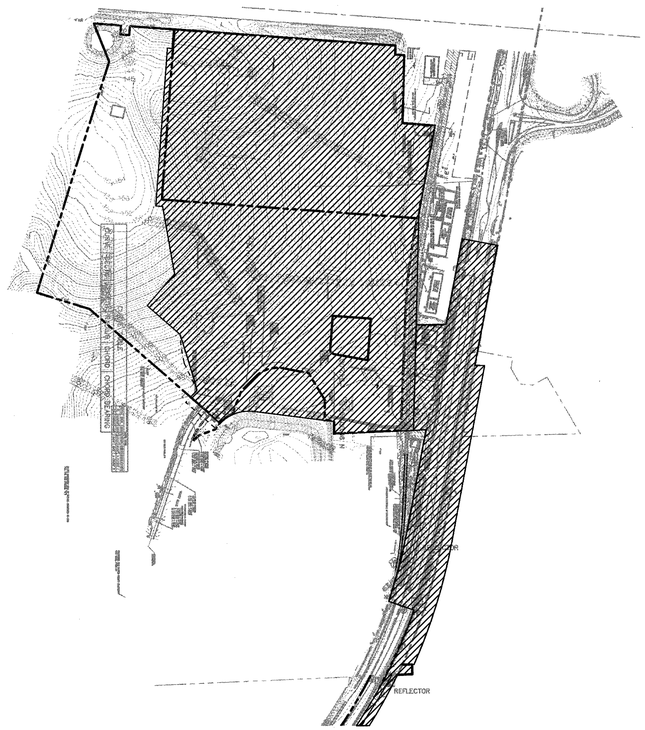
Walmart

STORE NO. 3873-00, ALACHUA (SEC I-75 HWY 441), FLORIDA

Sheet No.
SW-1



PHASE 1 LIMITS OF WORK
N.T.S



PHASE 2 LIMITS OF WORK
N.T.S

SWPPP IMPLEMENTATION SEQUENCE

NOTE: UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS: TRAILER, PARKING, LAY DOWN, PORTA-POTTY, WHEEL WASH, CONCRETE WASHOUT, MASON'S AREA, FUEL AND MATERIAL STORAGE AREAS/CONTAINERS, SOLID WASTE CONTAINERS, ETC., IMMEDIATELY DENOTE THEM ON THE SITE MAPS AND NOTE ANY CHANGES IN LOCATION AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS. IN ADDITION, NOTE ALL AREAS WHERE FILL IS IMPORTED FROM OR SOIL IS EXPORTED TO ON THE SITE MAPS.

NOTE: DOWN SLOPE PROTECTIVE MEASURES MUST ALWAYS BE IN PLACE BEFORE SOIL IS DISTURBED. ACTIVITIES ARE PRESENT IN THE ORDER OR SEQUENCE IN WHICH THEY ARE REQUIRED TO BE COMPLETED.

PHASE 1

1. **INSTALL THE SWPPP INFORMATION SIGN AND POST REQUIRED DOCUMENTS NEAR THE PLANNED CONSTRUCTION EXIT, AND WITHIN EASY ACCESS TO THE GENERAL PUBLIC WITHOUT ENTERING THE SITE.**
2. **STAKE/FLAG THE LOD (WHERE STAKING IS NOT POSSIBLE/PRACTICAL, THE LOD MUST BE CONSPICUOUSLY, AND PROMINENTLY, MARKED TO DENOTE THE BOUNDARY). LOD MUST REMAIN CONSPICUOUSLY MARKED THROUGHOUT THE ENTIRE CONSTRUCTION PROJECT.**
3. **INSTALL PERIMETER SEDIMENT CONTROL BMPS IN THE VICINITY OF, AND DOWN GRADIENT FROM, THE LOCATION OF THE PLANNED CONSTRUCTION EXIT, CONSTRUCTION OFFICE TRAILER, AND TEMPORARY PARKING AND STORAGE AREAS. CLEAR ONLY THE MINIMUM AREA ABSOLUTELY NECESSARY TO INSTALL THESE PERIMETER CONTROL BMPS.**
4. **INSTALL STABILIZED CONSTRUCTION EXIT(S) WITH SEDIMENT TRAPS, AND SET THE PROJECT OFFICE TRAILER.**
5. **INSTALL REMAINING PERIMETER SEDIMENT CONTROL BMPS, AS SHOWN ON THE SITE MAPS. CLEAR ONLY THE MINIMUM AREA NECESSARY TO INSTALL PERIMETER CONTROL BMPS.**
6. **PREPARE TEMPORARY PARKING AND STORAGE AREA.**
7. **HALT ALL ACTIVITIES**

CONTACT THE CEC TO PERFORM INSPECTION AND CERTIFICATION OF BMPS. BMP CERTIFICATION MUST OCCUR BEFORE STORMWATER PRE-CONSTRUCTION MEETING. (THIS MAY SHOULD BE SCHEDULED IN ADVANCE, IN ANTICIPATION OF THE EXPECTED DATE WHEN THE ABOVE SEQUENCE ITEMS WILL BE COMPLETED.)

ALL EXCEPTIONS NOTED ON THE BMP CERTIFICATION FORM MUST BE ADDED AS DEFICIENCIES WITHIN THE BMP CERTIFICATION FORM AND RESOLVED WITHIN 24-HOURS. BMPS MUST NOT BE CERTIFIED IF ONE OR MORE OF THE EXCEPTIONS WILL NOT BE RESOLVED WITHIN 24-HOURS OF THE BMP CERTIFICATION BY THE CEC.

IF THE CEC IS UNABLE TO CERTIFY THAT SITE CONDITIONS ARE PER PLANS AND SPECIFICATIONS, THE CERTIFICATION OF BMPS MUST BE RESCHEDULED. THE STORMWATER PRE-CONSTRUCTION MEETING MAY ONLY OCCUR AFTER BMPS CAN BE CERTIFIED.

GENERAL CONTRACTOR SHALL SCHEDULE AND CONDUCT THE STORMWATER PRE-CONSTRUCTION MEETING WITH THE CEC, OWNER'S CONSTRUCTION MANAGER, AGENCY(IES) AND SUBCONTRACTORS BEFORE PROCEEDING WITH CONSTRUCTION.

DAILY STORMWATER INSPECTION REPORTS IN THE ONLINE SWPPP REPORTING SYSTEM PROVIDED BY THE OWNER MUST START ON THE NEXT BUSINESS DAY AFTER THE SITE BMPS & PRECONSTRUCTION MEETING CERTIFICATION IS SIGNED/CERTIFIED BY THE CEC.

PHASE 2

1. **BEGIN CLEARING, GRUBBING, AND STRIPPING THE SITE. (PHASE CLEARING AND GRUBBING TO THE EXTENT PRACTICAL TO MINIMIZE THE AMOUNT OF AREA DISTURBED AT ANY POINT IN TIME)**
2. **BEGIN GRADING THE SITE.**
3. **START CONSTRUCTION OF BUILDING PAD AND STRUCTURES.**
4. **TEMPORARILY STABILIZE, THROUGHOUT CONSTRUCTION IMMEDIATELY FOLLOWING THE COMPLETION OF THE MOST RECENT LAND DISTURBING/GRADING ACTIVITY, ANY DISTURBED AREAS, INCLUDING MATERIAL STOCKPILES THAT ARE SCHEDULED OR LIKELY TO REMAIN INACTIVE FOR 7 DAYS OR MORE.**
5. **IMMEDIATELY PERMANENTLY STABILIZE AREAS TO BE VEGETATED AS THEY ARE BROUGHT TO FINAL GRADE.**
6. **INSTALL UTILITIES, UNDERDRAINS, STORM SEWERS, CURBS AND GUTTERS.**
7. **INSTALL RIP RAP AROUND OUTLET STRUCTURES AS EACH OUTLET STRUCTURE IS INSTALLED.**
8. **INSTALL INLET PROTECTION AT ALL STORM SEWER STRUCTURES AS EACH INLET STRUCTURE IS INSTALLED.**
9. **PREPARE SITE FOR PAVING.**
10. **PAVE SITE.**
11. **INSTALL APPROPRIATE INLET PROTECTION DEVICES FOR PAVED AREAS AS WORK PROGRESSES, PER BMP DETAILS.**
12. **COMPLETE GRADING AND INSTALLATION OF PERMANENT STABILIZATION OVER ALL AREAS, INCLUDING OUT LOTS AND PONDS.**
13. **OBTAIN CONCURRENCE FROM THE OWNER CONSTRUCTION MANAGER (CM) THAT THE SITE HAS BEEN FULLY STABILIZED AND ALL CONSTRUCTION HAS BEEN COMPLETED, THEN:**
    - **A. REMOVE ALL REMAINING TEMPORARY EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPS),**
    - **B. STABILIZE ANY AREAS DISTURBED BY THE REMOVAL OF TEMPORARY BMPS, AND**
    - **C. ASK THE CM TO CONTACT THE CEC TO COMPLETE THE CEC PRE-NOT SITE INSPECTION AND REPORT (ONLY CM MAY DO THIS).**
14. **CONTINUE DAILY INSPECTIONS AND REPORTS UNTIL THE CM FINAL DAILY INSPECTION REPORT, MARKED 'READY TO TERMINATE PERMIT', IS SIGNED BY THE CONSTRUCTION MANAGER AND SUBMITTED VIA THE ONLINE SWPPP REPORTING SYSTEM PROVIDED BY THE OWNER.**

NOTE: THE GENERAL CONTRACTOR MAY COMPLETE CONSTRUCTION-RELATED ACTIVITIES CONCURRENTLY, ONLY IF ALL PRECEDING BMPS AND STABILIZATION ACTIVITIES HAVE BEEN COMPLETELY INSTALLED. BMP-RELATED STEPS IN THE ABOVE SEQUENCE ARE BOLDED FOR CLARITY. THE CEC MUST APPROVE, IN WRITING, ANY CHANGES IN THE ABOVE SWPPP IMPLEMENTATION SEQUENCE, BEFORE THEIR IMPLEMENTATION BEGINS.

THE ESTIMATED DATES OF IMPLEMENTATION OF POLLUTION CONTROL MEASURES SHALL BE DOCUMENTED BY THE CONTRACTOR ON THE SOIL EROSION/SEDIMENATION CONTROL OPERATION TIME SCHEDULE ON SHEET SW-7.

WALMART STORES EAST, LP
2001 SE 10TH STREET
BENTONVILLE, AR
72716-5570
501-273-4000

SITE OPERATOR/GENERAL CONTRACTOR: _____

SUPERINTENDENT: _____

IMPORTANT: GC MUST SIGN ALL PLAN SHEETS AND ANY NEW PLAN SHEETS ISSUED BY THE CEC.

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BRIAN P. CASSIDY, P.E.
67373

APR 0 8 2017

No.	Date	Revision	By

Designed by: B.P.C.
Drawn by: P.W.R.
Checked by: H.L.W
Approved by: B.P.C.
Scale: NONE
Date: 2/17/15
Job No.: W13392.1

Plans Prepared By:
CPH, Inc.
5200 Belfort Rd., Suite 220
Jacksonville, FL 32256
Ph: 904.332.0999
Licenses:
Eng. C.O.A. No. 3215
Survey L.B. No. 7143
Arch. Lic. No. AA2600926
Lndscp. Lic. No. LC0000298

SWPPP IMPLEMENTATION SEQUENCE AND LIMITS OF WORK

Walmart

STORE NO. 3873-00, ALACHUA (SEC I-75 HWY 441), FLORIDA

Sheet No.
SW-2

LIMITS OF DISTURBANCE

STABILIZE DIVERSION CHANNELS

DRAINAGE AREA A
5.74 ACRES
29 72 78

STABILIZE DIVERSION CHANNELS

BUILDING FOOTPRINT

OFF-SITE RUN-ON DRAINAGE AREA 1
7.24 ACRES ±

STABILIZE DIVERSION CHANNELS

DRAINAGE AREA B
40.74 ACRES
3 8 9 33 35
71 72 73 78

APPROXIMATE SOIL BOUNDARY

STABILIZE SEDIMENT BASIN AND TRAPS IMMEDIATELY AFTER CONSTRUCTION

STORMWATER OUTFLOW
FLOWS INTO THE U.S. HWY 441 STORMWATER SYSTEM & ULTIMATELY MILL CREEK SINK / APPROX. 0.80 MILES NORTH
DRAINAGE AREA B 40.74 ACRES

PROP. DOUBLE ROW OF SILT FENCE (TYPICAL)

STORMWATER OUTFLOW
OUTFALL TO BE DETERMINED

LIMITS OF DISTURBANCE

STABILIZE DIVERSION CHANNELS

LIMITS OF DISTURBANCE

RUN-ON DIVERSION WITH TURF REINFORCING MAT

OFF-SITE RUN-ON DRAINAGE AREA 2
15.11 ACRES ±

STABILIZE DIVERSION CHANNELS

STABILIZE DIVERSION CHANNELS

PROP. DOUBLE ROW OF SILT FENCE (TYPICAL)

FIRST STREET GROUP PROPERTY LINES, SEE GENERAL NOTES #13 ON SHEET C-2

DRAINAGE AREA E
8.03 ACRES
4 16 28 72

DRAINAGE AREA C
22.34 ACRES
3 30 73

RUN-ON DIVERSION WITH TURF REINFORCING MAT

STABILIZE DIVERSION CHANNELS

LIMITS OF DISTURBANCE

PROVIDE SEDIMENT TRAP ON DOWN GRADIENT SIDE

STORMWATER OUTFLOW
FLOWS INTO THE US HWY 441 STORMWATER SYSTEM & ULTIMATELY MILL CREEK SINK APPROX. 0.50 MILES NORTH
DRAINAGE AREA C 22.34 ACRES

PROP. DOUBLE ROW OF SILT FENCE

STORMWATER OUTFLOW
FLOWS INTO THE US HWY 441 STORMWATER SYSTEM & ULTIMATELY MILL CREEK SINK APPROX. 0.80 MILES NORTH
DRAINAGE AREA C 22.34 ACRES

MATCH LINE - SEE SHEET SW-4

GRAPHIC SCALE
0 50 100 200
1 INCH = 100 FEET

T.B.M.
DESIGNATION I75 73 B32, A STANDARD FLORIDA, DEPARTMENT OF TRANSPORTATION BRASS DISK, STAMPED I75 73 B32 RM 2, SET IN THE TOP OF A ROUND CONCRETE MONUMENT THAT IS 2" BELOW THE GROUND. IT IS 11.9 FEET EAST OF A METAL WITNESS POST, 12.4 FEET EAST OF THE CENTERPOST FOR A TRIPLE BRACE POST, 12.8 FEET EAST OF INTERSTATE ROUTE 75 RIGHT-OF-WAY FENCE LINE AND 94.0 FEET WEST OF CENTER OF INTERSTATE ROUTE 75 SOUTHBOUND LANE. ELEVATION=157.84, NAVD 88

LEGEND

SITE FEATURES

- BOUNDARY LINE
- RIGHT OF WAY LINE
- DIRECTION OF OVERLAND FLOW W/ SLOPE
- LIMITS OF DRAINAGE SUB-BASIN
- LIMITS OF DISTURBANCE

EROSION DETAILS

- (CE) TEMPORARY STONE CONSTRUCTION EXIT/ENTRANCE
- (RR) RIP-RAP PAD
- (SF) TEMPORARY SEDIMENTATION/SILT FENCE
- (DC) TEMPORARY DIVERSION CHANNELS
- (SS) SWPPP INFORMATION SIGN
- (SB) TEMPORARY SEDIMENT BASIN
- (ST) TEMPORARY SEDIMENT TRAP
- (CD) ROCK CHECK DAM
- (DS) DEWATERING SYSTEM / STRUCTURE

EROSION NOTES

- (TS) TEMPORARY SEEDING AND MULCH
- (4) SOIL TYPE: ARREDONDO-URBAN LAND COMPLEX (0 TO 5% SLOPES)
- (8) SOIL TYPE: MILLHOPPER SAND (0 TO 5% SLOPES)
- (29) SOIL TYPE: LOCHLOOSA FINE SAND (2 TO 5% SLOPES)
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WALMART STORES EAST, LP
2001 SE 10TH STREET
BENTONVILLE, AR
72716-5570
501-273-4000

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BRYANT CASSIDY * LICENSE * No. 67373 * STATE OF FLORIDA * ENGINEER

APR 03 2017

No.	Date	Revision	By
1	2/17/15		H.L.W
2	3/29/17		B.P.C.

Designed by: B.P.C.
Drawn by: P.W.R.
Checked by: H.L.W
Approved by: B.P.C.
Scale: 1"=100'
Date: 2/17/15
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PHASE 1 EROSION AND SEDIMENTATION CONTROL PLAN

Walmart

STORE NO. 3873-00, ALACHUA (SEC I-75 HWY 441), FLORIDA

Sheet No.
SW-3

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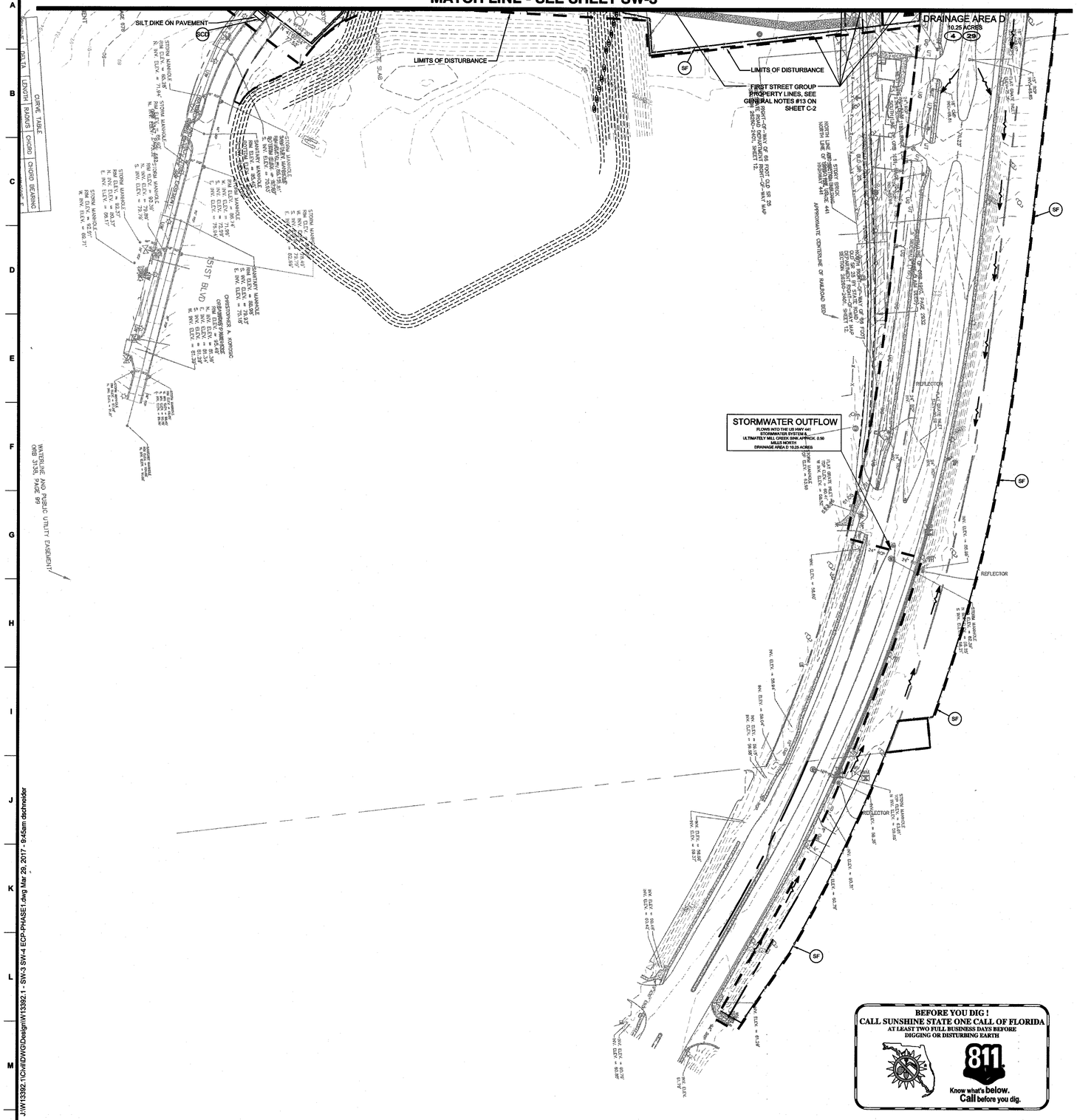

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cph N

GRAPHIC SCALE

0 50 100 200

1 INCH = 100 FEET

LEGEND

SITE FEATURES

- BOUNDARY LINE
- RIGHT OF WAY LINE
- DIRECTION OF OVERLAND FLOW W/ GRADE
- LIMITS OF DRAINAGE SUB-BASIN
- PROPOSED LIMITS OF DISTURBANCE

EROSION DETAILS

- CE — TEMPORARY STONE CONSTRUCTION EXIT/ENTRANCE
- RR — RIP-RAP PAD
- SF — TEMPORARY SEDIMENTATION/SILT FENCE
- DC — TEMPORARY DIVERSION CHANNEL
- SS — SWPPP INFORMATION SIGN
- SB — TEMPORARY SEDIMENT BASIN
- ST — TEMPORARY SEDIMENT TRAP
- CD — ROCK CHECK DAM
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EROSION NOTES

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BRIAN P. CASSIDY * LICENSE * No. 67373 * STATE OF FLORIDA * ENGINEER
BRIAN P. CASSIDY, P.E.
67373

APR 03 2017

No.	Date	Revision	By

Designed by:	B.P.C.
Drawn by:	P.W.R.
Checked by:	H.L.W
Approved by:	B.P.C.
Scale:	1"=100'
Date:	2/17/15
Job No.:	W13392.1

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PHASE 1 EROSION AND SEDIMENTATION CONTROL PLAN

Walmart

STORE NO. 3873-00, ALACHUA (SEC I-75 HWY 441), FLORIDA

Sheet No.
SW-4

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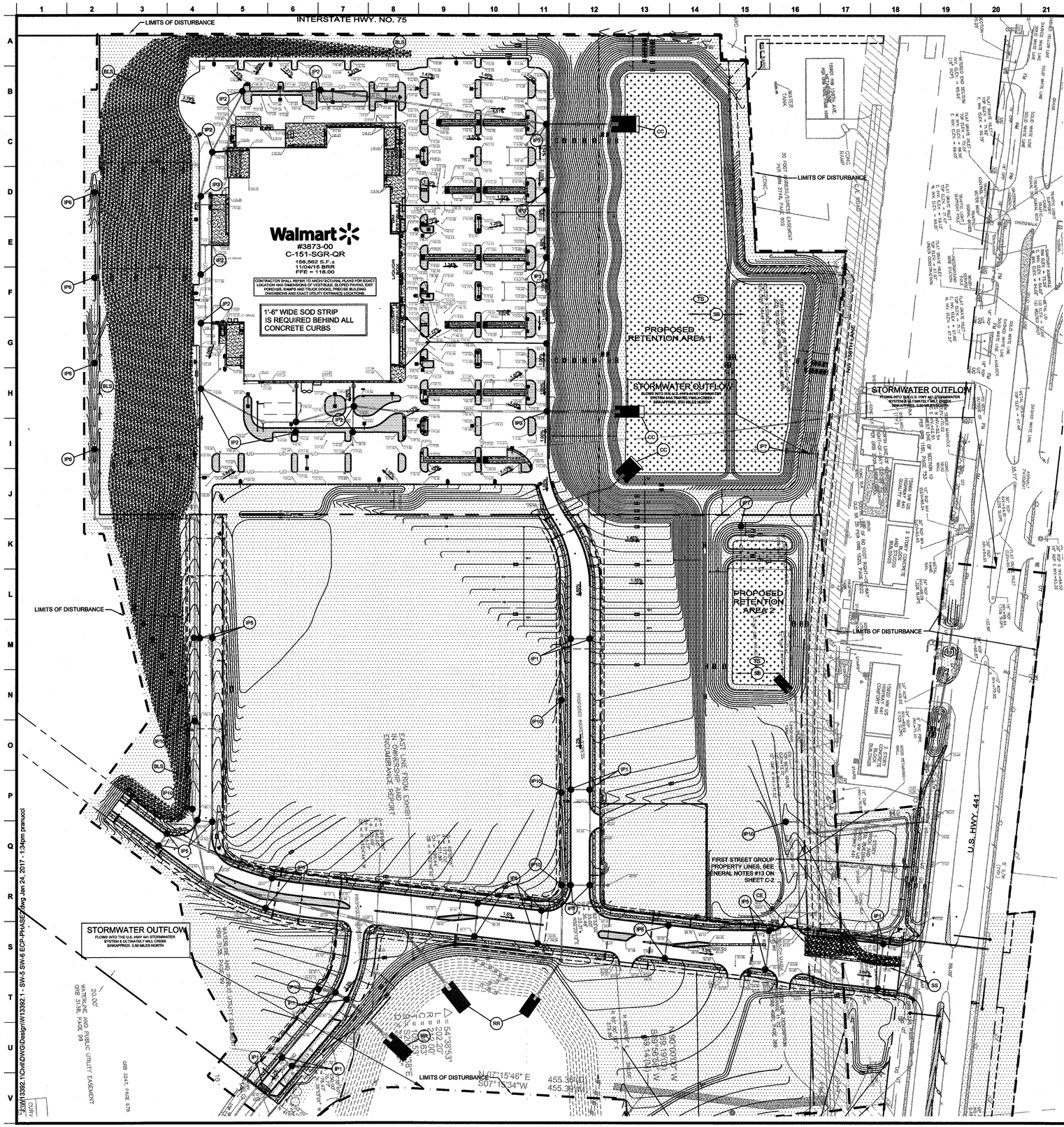

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cph N

GRAPHIC SCALE

0 50 100 200

1 INCH = 100 FEET

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LEGEND

SITE FEATURES

- BOUNDARY LINE
- RIGHT OF WAY LINE
- PROPOSED LIMITS OF DISTURBANCE
- EXISTING CONTOUR ELEVATIONS
- PROPOSED CONTOUR ELEVATIONS
- EXISTING STORM PIPE
- PROPOSED STORM PIPE
- DIRECTION OF OVERLAND FLOW W/ GRADE
- LIMITS OF DRAINAGE SUB-BASIN
- PROPOSED CHAIN LINK FENCE

EROSION DETAILS

- (CE) TEMPORARY CONSTRUCTION EXIT
- (IP1) TEMPORARY GUTTER BUDDY CURB INLET PROTECTION
- (IP2) TEMPORARY INLET PROTECTION
- (IP3) TEMPORARY GRAVEL INLET PROTECTION
- (IP5) TEMPORARY GRAVEL CURB INLET PROTECTION
- (IP6) TEMPORARY SILT FENCE INLET PROTECTION
- (IP7) TEMPORARY DOMED INLET PROTECTION
- (IP10) TEMPORARY SILT SACK INLET PROTECTION
- (SB) TEMPORARY SEDIMENT BASIN
- (RR) RIP-RAP PAD
- (BLS) EROSION CONTROL BLANKET
- (SS) SWPPP INFORMATION SIGN

EROSION NOTES

- (PS) PERMANENT SEEDING AND MULCH
- (SD) PERMANENT SODDING
- (MLC) PERMANENT MULCHING
- PROVIDE BARRICADE AT ALL ENTRANCE LOCATIONS W/O TEMP STONE CONSTRUCTION EXIT

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DEVELOPER/OWNER:
MAIL STOP 5570
2001 SE 10TH STREET
BENTONVILLE, AR
72716-5570
479-204-1195

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PAUL CASSIDY LICENSE No. 67373 STATE OF FLORIDA REGISTERED LANDSCAPE ARCHITECT

APR 03 2017

No.	Date	Revision	By
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Designed by:	B.P.C.
Drawn by:	P.W.R.
Checked by:	H.L.W
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PHASE 2 EROSION AND SEDIMENTATION CONTROL PLAN

Walmart

STORE NO. 3873-00, ALACHUA (SEC I-75 HWY 441), FLORIDA

Sheet No.
SW-5

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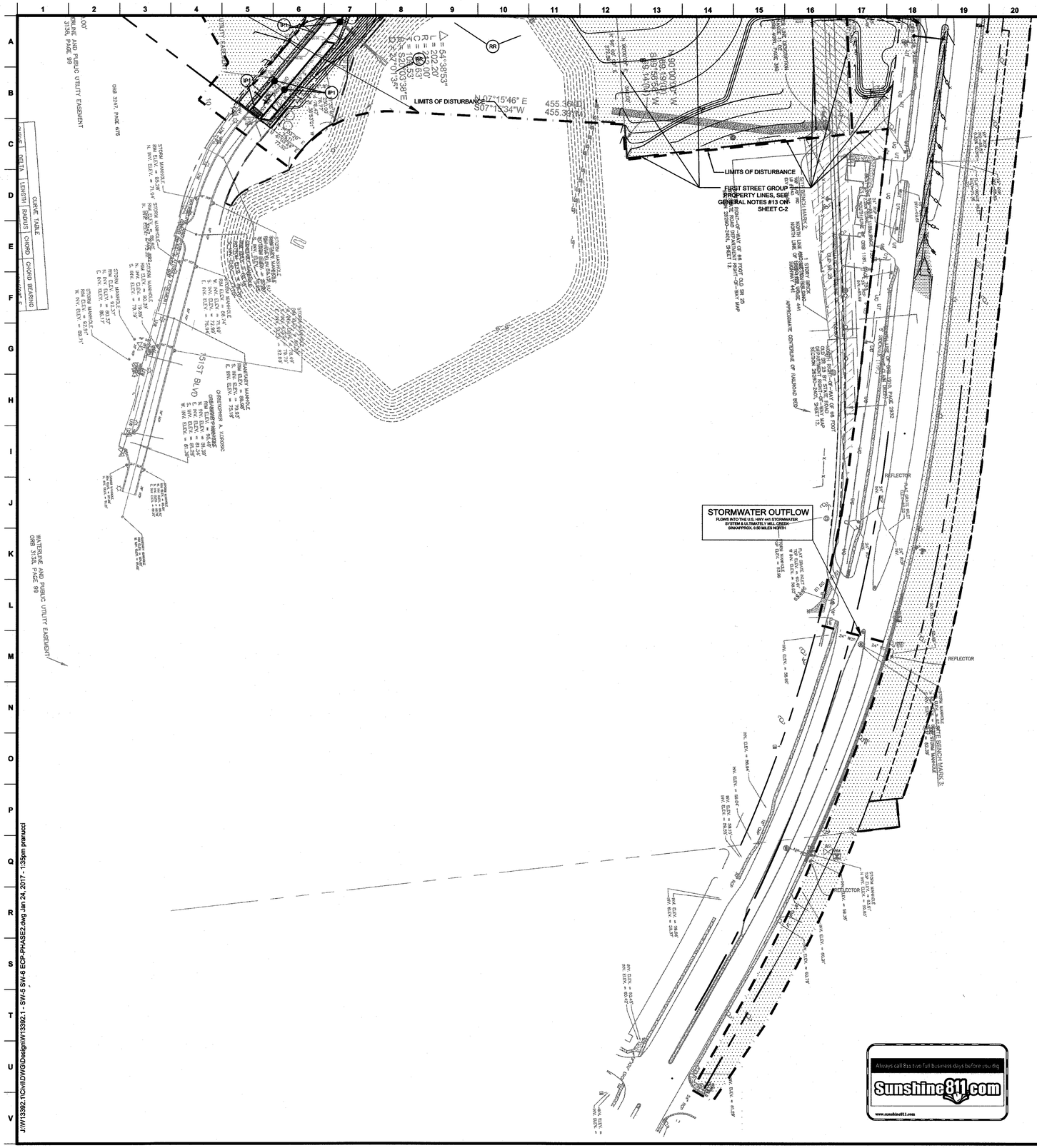

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cph N

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LEGEND

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- PROPOSED LIMITS OF DISTURBANCE
- EXISTING CONTOUR ELEVATIONS
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- EXISTING STORM PIPE
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- LIMITS OF DRAINAGE SUB-BASIN
- PROPOSED CHAIN LINK FENCE

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- IP1 — TEMPORARY GUTTER BUDDY CURB INLET PROTECTION
- IP2 — TEMPORARY INLET PROTECTION
- IP3 — TEMPORARY GRAVEL INLET PROTECTION
- IP5 — TEMPORARY GRAVEL CURB INLET PROTECTION
- IP6 — TEMPORARY SILT FENCE INLET PROTECTION
- IP7 — TEMPORARY DOMED INLET PROTECTION
- IP10 — TEMPORARY SILT SACK INLET PROTECTION
- SB — TEMPORARY SEDIMENT BASIN
- RR — RIP-RAP PAD
- BLS — EROSION CONTROL BLANKET
- SS — SWPPP INFORMATION SIGN

EROSION NOTES

- PS — PERMANENT SEEDING AND MULCH
- SD — PERMANENT SODDING
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3. MODIFYING THE SWPPP IMPLEMENTATION SEQUENCE; OR
4. PERFORMING ANY ACTIONS OR IN ANY MANNER THAT IS CONTRARY TO THE SWPPP.

THE CONTRACTOR MAY MODIFY OR ADD ADDITIONAL BMPS, WITHOUT CEC APPROVAL, IN AN EMERGENCY SITUATION TO PREVENT SEDIMENT DISCHARGE OR PROTECT WATER QUALITY; HOWEVER, GC MUST NOTIFY THE CEC AS SOON AS PRACTICAL AS TO THEIR ACTIONS TO DISCUSS THE NEED FOR ADDITIONAL OR SUPPLEMENTAL MEASURES AND TO OBTAIN THE REQUIRED APPROVALS. THE CONTRACTOR IS ULTIMATELY RESPONSIBLE TO ENSURE COMPLIANCE WITH THE PERMIT AND PROTECTION OF DOWNSTREAM WATER QUALITY.

AMENDING THE SWPPP DOES NOT MEAN THAT IT HAS TO BE REPRINTED. IT IS ACCEPTABLE TO ADD ADDENDA, SKETCHES, NEW SECTIONS, DETAILS, AND/OR REVISED DRAWINGS THAT HAVE THE CEC NAME IN PRINT, ARE STAMPED, SIGNED, DATED, AND ARE ACCOMPANIED BY WRITTEN COPY OF THE ASSOCIATED RFI AND ITS RESPONSE FROM CEC. ENGINEERED ITEMS MUST BE SIGNED AND STAMPED BY THE CEC OF RECORD FOR THE PROJECT.

NOTE TO GENERAL CONTRACTOR:

PRIOR TO CONSTRUCTION, GC MUST CLEARLY DELINEATE AND MARK OFF AREAS IDENTIFIED IN THE SWPPP OR IN THE FIELD, TO BE PROTECTED (SUCH AS, NATURAL BUFFERS, TREES, HABITATS OF ENDANGERED/ THREATENED SPECIES, HISTORIC PROPERTIES, ETC.).

DEVELOPER/OWNER:
MAIL STOP 5570
2001 SE 10TH STREET
BENTONVILLE, AR
72716-5570
479-204-1195

SITE OPERATOR/GENERAL CONTRACTOR:

SUPERINTENDENT:

IMPORTANT: GC MUST SIGN ALL PLAN SHEETS AND ANY NEW PLAN SHEETS ISSUED BY THE CEC.

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BRIAN P. CASSIDY, P.E. 67324 STATE OF FLORIDA PROFESSIONAL ENGINEER
APR 03 2017

No.	Revision	Date	By
1			
2			
3			
4			
5			
6			
7			

Designed by:	B.P.C.	Scale:	1" = 100'
Drawn by:	P.W.R.	Date:	2/17/15
Checked by:	H.L.W	Job No.:	W13392.1
Approved by:	B.P.C.	© 2017	

Plans Prepared By:
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Ph: 904.332.0999
Licenses:
Eng. C.O.A. No. 3215
Survey L.B. No. 7143
Arch. Lic. No. AA26009026
Lndscp. Lic. No. LC0000298

PHASE 2 EROSION AND SEDIMENTATION CONTROL PLAN

Walmart

STORE NO. 3873-00, ALACHUA (SEC I-75 HWY 441), FLORIDA

Sheet No.
SW-6

SOIL EROSION/SEDIMENTATION CONTROL OPERATION TIME SCHEDULE

NOTE: GENERAL CONTRACTOR TO COMPLETE TABLE WITH THEIR ESTIMATED PROJECT SCHEDULE

CONSTRUCTION SEQUENCE	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY
TEMPORARY CONSTRUCTION EXITS																								
TEMPORARY CONTROL MEASURES																								
SEDIMENT CONTROL BASIN(S)/TRAP(S)																								
STRIP & STOCKPILE TOPSOIL																								
ROUGH GRADING																								
STORM FACILITIES																								
SITE CONSTRUCTION																								
FINISH GRADING																								
PERMANENT CONTROL STRUCTURES																								
FOUNDATION / BUILDING CONSTRUCTION																								
LANDSCAPING/SEED/FINAL STABILIZATION																								

1) CONTRACTOR MUST COMPLETE TABLE WITH ESTIMATED DATES OF PROJECT ACTIVITIES PRIOR TO BMP CERTIFICATION.
2) TIME SCHEDULE MUST COINCIDE WITH THE SWPPP IMPLEMENTATION SEQUENCE.

LAST REVISED: APRIL 30, 2011 | WAL–MART STANDARD DETAIL

ACREAGE SUMMARY
(IN ACRES)

1	WAL-MART PROPERTY AREA	31
2	PERMITTED AREA WITHIN WAL-MART PROPERTY	31
3	PERMITTED AREA OUTSIDE OF WAL-MART PROPERTY	52
4	TOTAL PERMITTED PROJECT AREA (MUST MATCH NOI)	83
5	IMPERVIOUS AREA BEFORE PROJECT	5
6	IMPERVIOUS AREA AT COMPLETION	61
7	PERVIOUS AREA AT COMPLETION	22

LAST REVISED: JUNE 2013 | WAL–MART STANDARD DETAIL

OFF-SITE RUN-ON SUMMARY

OFF-SITE DRAINAGE AREA	FLOW (CFS)	AREA (ACRES)	AVERAGE SLOPE	MAXIMUM SLOPE	COVER TYPE
AREA 1	X	7.25	7.25%	9.60%	GRASS
AREA 2	X	15.11	5.35%	12.90%	GRASS

OFF-SITE RUN-ON DESCRIPTION: GRASS, 100% PERVIOUS IN GOOD CONDITION

LAST REVISED: JUNE 2012 | WAL–MART STANDARD DETAIL

RUNOFF COEFFICIENT SUMMARY

PRE-CONSTRUCTION RUNOFF COEFFICIENT:	"c" = 0.20
POST-CONSTRUCTION RUNOFF COEFFICIENT:	"c" = 0.58

LAST REVISED: JUNE 2012 | WAL–MART STANDARD DETAIL

SITE LOCATION SUMMARY

ADDRESS:	SEC 1-75 & HIGHWAY 441, ALACHUA, FLORIDA 32615
CENTER OF SITE:	
LATITUDE:	29.78080 N / 29° 46' 50.8794" N
LONGITUDE:	82.511885 W / 82° 30' 42.7860" W
ADJACENT SURROUNDING PROPERTIES:	THE SITE IS BORDERED TO THE NORTH BY COMMERCIAL PROPERTIES FOLLOWED BY US HWY 441, TO THE WEST BY I-75, TO THE SOUTH BY UNDEVELOPED AGRICULTURAL LAND, AND TO THE EAST BY RESIDENTIAL APARTMENTS AND PROPERTIES

LAST REVISED: JUNE 2012 | WAL–MART STANDARD DETAIL

SITE TOPOGRAPHY SUMMARY

LOWEST ELEVATION OF PROJECT SITE:	70'
HIGHEST ELEVATION OF PROJECT SITE:	141'
PERCENT SLOPE VARIATION:	8.33% TO 1.37%
TOPOGRAPHY CHANGES:	THE SITE WILL BE PRIMARILY IN CUT VARYING FROM 1' TO 20' WITH THE EXCEPTION OF THE NE CORNER OF THE WALMART BUILDING AND THE NE PARKING AREA, WHICH WILL BE IN FILL VARYING FROM 1' TO 19'
VEGETATION:	THE SITE IS GRASSED WITH SOME MATURE TREES LOCATED NEAR THE MIDDLE / INTERIOR OF THE SITE. THE GRASS AND TREES WILL BE REMOVED TO ALLOW FOR THE CONSTRUCTION OF THE PROJECT WHICH WILL INCLUDE HEAVY LANDSCAPING AND 100% STABILIZATION.
AVERAGE SLOPE:	4.85%

LAST REVISED: JUNE 2013 | WAL–MART STANDARD DETAIL

SITE SOILS SUMMARY

SOIL TYPE AND TEXTURE:	BASED ON THE GEOTECHNICAL REPORT BY UNIVERSAL ENGINEERING SCIENCES DATED MAY 1, 2015, THE SITE SOILS CONSIST OF VERY LOOSE TO MEDIUM DENSE SAND WITH VARYING SILT AND CLAY IN THE UPPER 2 FT., UNDERLAIN BY VERY LOOSE TO MEDIUM DENSE SILTY SANDS AND CLAYEY SANDS WITH LAYERS OF CLAY AT VARYING DEPTHS AND THICKNESSES FROM 2 TO 20 FT. BELOW, OR UNTIL LIMESTONE IS ENCOUNTERED. LIMESTONE IS PRESENT ON THE SITE IN DEPTHS RANGING FROM 10.5 FT. TO 57 FT.
AVERAGE DEPTH OF TOPSOIL:	BASED ON THE GEOTECHNICAL REPORT BY UNIVERSAL ENGINEERING SCIENCES DATED MAY 1, 2015, THE AVERAGE DEPTH OF TOPSOIL ACROSS THE PROJECT SITE IS 0 TO 12 INCHES.
AVERAGE DEPTH TO GROUNDWATER:	BASED ON THE GEOTECHNICAL REPORT BY UNIVERSAL ENGINEERING SCIENCES DATED MAY 1, 2015 THE AVERAGE DEPTH TO TEMPORARY PERCHED GROUNDWATER IS 0.5 FT. TO 1 FT. BELOW GROUND, AND THE AVERAGE DEPTH TO PERMENANT GROUNDWATER TABLE IS 50 FT.

NOTE: THE ABOVE SOILS INFORMATION IS FOR INFORMATION ONLY AND SHOULD NOT BE USED FOR BIDDING PURPOSES, CONSTRUCTION COSTS OR ESTIMATING.

LAST REVISED: JUNE 2012 | WAL–MART STANDARD DETAIL

SITE RAINFALL SUMMARY

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
AVGERAGE RAINFALL IN INCHES	3.3	3.2	4.3	2.7	2.5	7.12	6.0	6.4	4.4	2.9	2.1	2.4

THE TOTAL AVERAGE ANNUAL RAINFALL FOR THE PROJECT AREA IS: 47.33 INCHES

THE DESIGN RAIN EVENT FOR THE PROJECT IS: 100 YR - 240 HR

LAST REVISED: JUNE 2012 | WAL–MART STANDARD DETAIL

NOTE: UNLESS OTHERWISE NOTED THESE STANDARDS APPLY IN ALL LOCATIONS

EROSION CONTROL DETAILS SHOWN ON THIS SHEET ARE WALMART AND CPH, INC. STANDARD DETAILS

WALMART STORES EAST, LP
2001 SE 10TH STREET
BENTONVILLE, AR
72716-5570
501-273-4000

SITE OPERATOR/GENERAL CONTRACTOR: _____

SUPERINTENDENT: _____

IMPORTANT: GC MUST SIGN ALL PLAN SHEETS AND ANY NEW PLAN SHEETS ISSUED BY THE CEC.

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APR 0 3 2017

No.	Revision	Date	By
1			
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5			
6			
7			

Designed by: B.P.C.
Drawn by: P.W.R.
Checked by: H.L.W
Approved by: B.P.C.
Scale: NONE
Date: 2/17/15
Job No.: W13392.1

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Licenses:
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Survey L.B. No. 7143
Arch. Lic. No. AA2600926
Lndscp. Lic. No. LC0000298

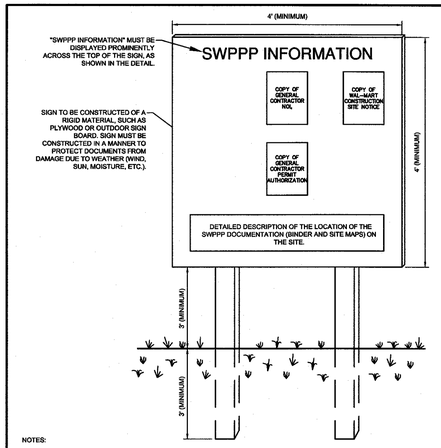
EROSION AND SEDIMENTATION CONTROL DETAILS

Walmart

STORE NO. 3873-00, ALACHUA (SEC I-75 HWY 441), FLORIDA

Sheet No.
SW-7

J:\W13392.1\Civil\DWG\Design\W13392.1 - SW-7 - SW-12 ECP Details.dwg Mar 29, 2017 - 8:22am dschneider

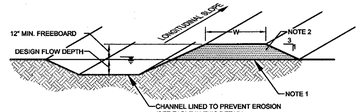


NOTES:

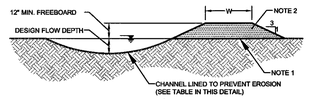
1. THE SWPPP INFORMATION SIGN MUST BE LOCATED IN A PROMINENT, PUBLICLY ACCESSIBLE LOCATION NEAR THE MAIN ENTRANCE OF THE SITE, SUCH THAT THE DOCUMENTATION CAN BE READ WITHOUT ACCESSING THE JOBSITE, BUT NOT OBSTRUCTING VIEWS AS TO CAUSE A TRAFFIC SAFETY HAZARD.
2. ALL POSTED DOCUMENTS MUST BE MAINTAINED IN A CLEARLY READABLE CONDITION AT ALL TIMES THROUGHOUT CONSTRUCTION AND UNTIL THE NOTICE-OF-TERMINATION (NOT) IS FILED FOR THE PERMIT.
3. ALL PAGES OF NOTICES OF INTENT AND PERMIT AUTHORIZATIONS MUST BE POSTED. THE CONTRACTOR MAY UTILIZE ACCESSIBLE WATERPROOF FOLDERS TO STORE THESE DOCUMENTS IF IT WILL BE DIFFICULT TO POST ALL PAGES INDIVIDUALLY.
4. CONTRACTOR SHALL POST OTHER STORMWATER AND/OR EROSION AND SEDIMENT CONTROL RELATED PERMITS ON THE SIGN AS REQUIRED BY THE GOVERNING AGENCIES.
5. SUBSEQUENT PERMIT MODIFICATION REQUESTS OR RENEWAL APPLICATIONS AND THEIR ASSOCIATED AUTHORIZATIONS OR RESPONSES SHALL BE POSTED ON THE SWPPP SIGN.
6. SIGN SHALL BE LOCATED OUTSIDE OF PUBLIC RIGHT-OF-WAY AND EASEMENTS UNLESS APPROVED BY THE GOVERNING AGENCY.
7. CONTRACTOR IS RESPONSIBLE FOR ENSURING STABILITY OF THE SWPPP INFORMATION SIGN.

(SS) SWPPP INFORMATION SIGN
N.T.S.

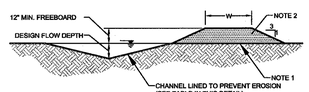
LAST REVISED:	WAL-MART STANDARD DETAIL
JUNE 2012	



TYPICAL TRAPEZOIDAL DIVERSION



TYPICAL PARABOLIC DIVERSION



TYPICAL VEE-SHAPED DIVERSION

NOTES:

1. REMOVE ANY EXISTING VEGETATION AND SCARIFY OR BENCH ADJACENT SOILS PRIOR TO PLACING BERM.
2. BERM MATERIALS MUST BE ADEQUATELY COMPACTED AND IMMEDIATELY STABILIZED.
3. DIVERSION DITCHES/BERMS MUST BE IMMEDIATELY STABILIZED TO PREVENT EROSION AND TRANSPORT OF SEDIMENT.
4. FOLLOW 02300 EARTHWORK SPECIFICATION.

DIVERSION DITCHES AND BERMS				
DIVERSION NAME AND SEGMENT	LENGTH (FT.)	LONGITUDINAL SLOPE	DESIGN FLOW DEPTH (IN.)	EROSION PROTECTION TYPE (I.E., MATTING, BLANKET, ETC.)
1	747	1.7%	1'	SOD BAHIA
2	503	0.3%	0.9'	SOD BAHIA
3	1,387	4.6%	0.7'	SOD BAHIA
4	1,021	3.5%	0.9'	SOD BAHIA
5	337	3.2%	0.9'	SOD BAHIA
6	2,237	2.6%	0.55'	SOD BAHIA

LAST REVISED:	WAL-MART STANDARD DETAIL
JUNE 2012	

(DC) DIVERSION CHANNEL
N.T.S.

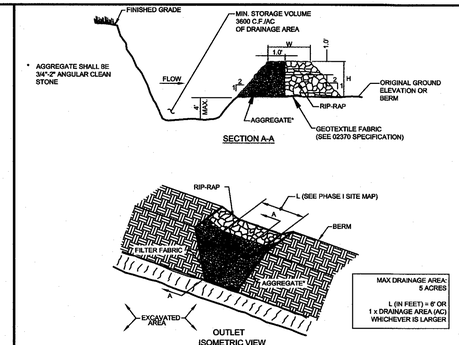
PERFORMANCE STANDARDS:

1. ALL SITE ACCESS MUST BE CONFINED TO THE CONSTRUCTION EXIT(S). BARRICADE TO PREVENT USE OF ANY LOCATIONS OTHER THAN THE CONSTRUCTION EXIT(S) WHERE VEHICLES OR EQUIPMENT MAY ACCESS THE SITE.
2. CONTRACTOR TO LOCATE TEMPORARY CONSTRUCTION FENCING, JERSEY BARRIERS, OR BOTH ALONG THE SIDES OF THE CONSTRUCTION EXIT TO PREVENT CONSTRUCTION TRAFFIC FROM SHORT CIRCUITING/BYPASSING THE EXIT.
3. PROVIDE SEDIMENT TRAP ON DOWN GRADIENT SIDE (OR BOTH SIDES) AS REQUIRED. SEDIMENT TRAP SHALL BE LOCATED OUTSIDE OF THE RIGHT-OF-WAY AND AT A MINIMUM SETBACK DISTANCE AS REQUIRED PER LOCAL JURISDICTION.
4. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION EXIT(S) IS NOT SUFFICIENT TO PREVENT TRACKING OF DIRT, DUST OR MUD, THEN TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. ALL WASH WATER MUST BE ROUTED TO A SEDIMENT TRAP OR OTHER TREATMENT AREA AND SHALL NOT BE DIRECTLY DISCHARGED OFF-SITE.
5. LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE MUST BE INSPECTED FOR EVIDENCE OF SEDIMENT TRACKING BEYOND THE PERMITTED PROJECT AREA. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
6. ANY SEDIMENT DEPOSITED ON THE ROADWAY SHALL BE SWEPT AS NECESSARY (AND WITHIN THE SAME DAY AS DISCOVERY) AND DISPOSED OF IN AN APPROPRIATE MANNER. SEDIMENT SHALL NOT BE WASHED INTO STORM SEWER SYSTEMS.
7. EXIT(S) SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD BEYOND THE EXIT(S). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION EXIT(S) AS CONDITIONS DEMAND.
8. CONTRACTOR SHALL BE PERMITTED TO TURN THE STONE WHEN THE SURFACE BECOMES SMOOTH AND SURFACE VOIDS ARE FILLED TO MAINTAIN EFFECTIVENESS OF CONSTRUCTION EXIT UNTIL SUCH TIME THAT VOIDS BELOW THE SURFACE BECOME FILLED AND THE CONSTRUCTION EXIT IS NO LONGER EFFECTIVE. AT SUCH A TIME THE CONTRACTOR SHALL REMOVE THE INEFFECTIVE STONE AND REPLACE PER DETAIL.
9. IF EXIT BMP IS STILL INEFFECTIVE, QC MUST CONTACT THE ENGINEER AND SUBMIT AN RFI AS NECESSARY.

NOTE TO QC: THE GOAL OF A CONSTRUCTION EXIT AND ASSOCIATED WHEEL WASH AREAS IS TO ELIMINATE TRACK OUT. SIMPLY MANAGING TRACK OUT THROUGH DESIGNATED OR CONTINUAL STREET SWEEPING IS NOT AN ACCEPTABLE PRACTICE. WHILE STREET SWEEPING IS AN ACCEPTABLE PRACTICE FOR REMOVING DUST AND MINIMAL AMOUNTS OF FINE SEDIMENT, OBSERVABLE TRACK OUT FROM THE PROJECT SHOULD TRIGGER THE USE OF ADDITIONAL MEASURES (WHEEL WASH). CONSIDERATION OF ALTERNATE EXITS, OR DISCONTINUING VEHICLE TRAFFIC UNTIL CONDITIONS ON-SITE HAVE IMPROVED. TRACK OUT IS A SEDIMENT RELEASE. ALL SEDIMENT RELEASES MUST BE REPORTED TO THE SWCT VIA THE ONLINE CRITICAL INCIDENT REPORT.

(CE) CONSTRUCTION EXIT

LAST REVISED:	WAL-MART STANDARD DETAIL
JUNE 2013	



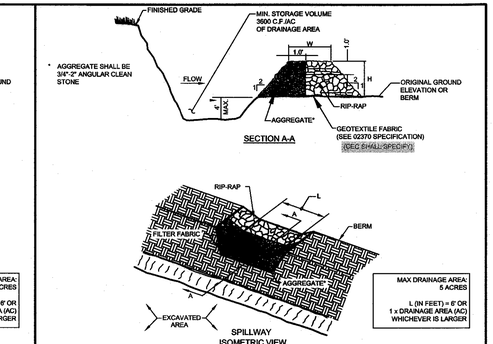
SEDIMENT TRAPS									
TRAP NAME	L	W	H	DRAINAGE AREA (ACRES)	DESIGN VOLUME (CU.FT.)	DESIGNED RETENTION TIME (HRS.)	PERMANENT (Y OR N)	EMERGENCY OUTLET TYPE
TRAP 1				1	80,424	72	N	RIP RAP
TRAP 2								
...								

MAINTENANCE NOTES:

1. SEDIMENT TRAPS MUST BE INSPECTED AND MUST BE CLEANED WHEN THE ORIGINAL CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR LESS, AS REQUIRED BY THE GOVERNING AGENCY.
2. ALL MATERIAL EXCAVATED FROM BEHIND SEDIMENT BARRIERS OR FROM TRAPS SHALL BE INCORPORATED INTO ON-SITE SOILS OR SPREAD OUT ON AN UPLAND PORTION OF THE SITE AND STABILIZED.
3. VERIFY THAT NO EROSION IS OCCURRING AT DISCHARGE POINTS TO AND FROM IMPOUNDMENTS AND VERIFY THAT TRAP SIDE SLOPES ARE STABILIZED AND SHOW NO SIGNS OF EROSION.

(ST) TEMPORARY SEDIMENT TRAP
N.T.S.

LAST REVISED:	WAL-MART STANDARD DETAIL
JUNE 2012	



SEDIMENT TRAPS									
TRAP NAME	L	W	H	DRAINAGE AREA (ACRES)	DESIGN VOLUME (CU.FT.)	DESIGNED RETENTION TIME (HRS.)	PERMANENT (Y OR N)	EMERGENCY OUTLET TYPE
TRAP 1	20	20	1	1.0	16,150	72	N	RIP RAP
TRAP 2								
...								

MAINTENANCE NOTES:

1. SEDIMENT TRAPS MUST BE INSPECTED AND MUST BE CLEANED WHEN THE ORIGINAL CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR LESS, AS REQUIRED BY THE GOVERNING AGENCY.
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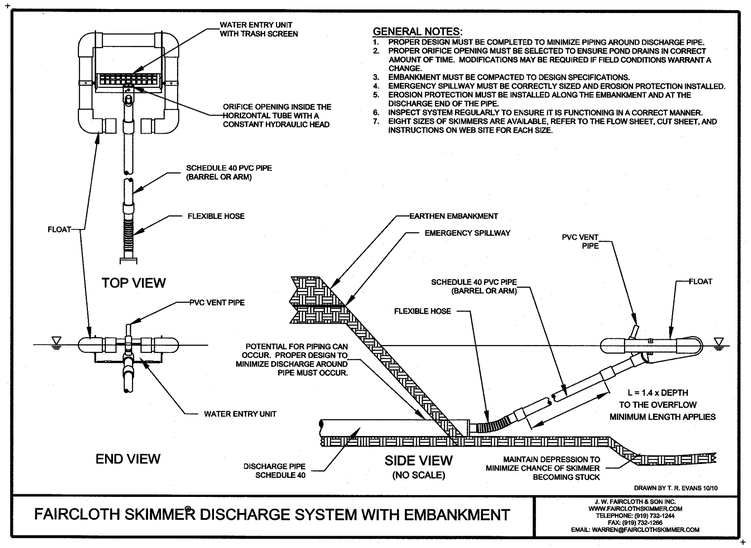
(ST) EMERGENCY OVERFLOW SPILLWAY
N.T.S.



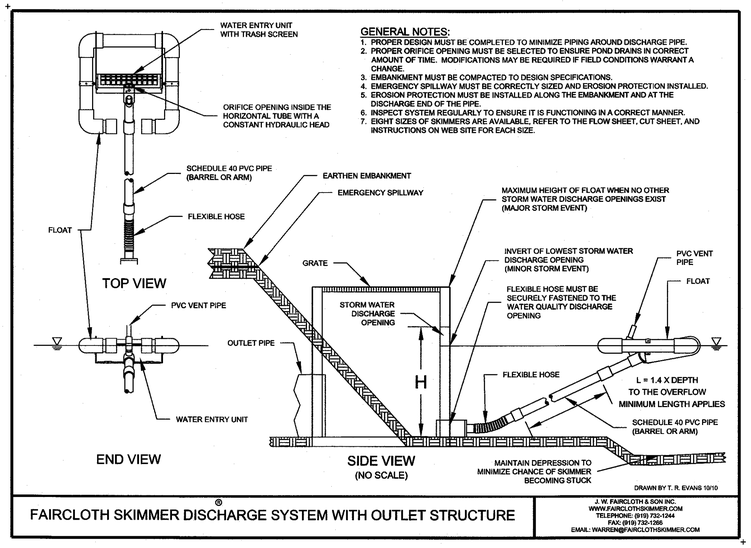
GENERAL NOTES:

1. PROPER DESIGN MUST BE COMPLETED TO MINIMIZE PIPING AROUND DISCHARGE PIPE.
2. PROPER ORIFICE OPENING MUST BE SELECTED TO ENSURE POND DRAINS IN CORRECT AMOUNT OF TIME. MODIFICATIONS MAY BE REQUIRED IF FIELD CONDITIONS WARRANT A CHANGE.
3. EMBANKMENT MUST BE COMPACTED TO DESIGN SPECIFICATIONS.
4. EMERGENCY SPILLWAY MUST BE CORRECTLY SIZED AND EROSION PROTECTION INSTALLED.
5. EROSION PROTECTION MUST BE INSTALLED ALONG THE EMBANKMENT AND AT THE DISCHARGE END OF THE PIPE.
6. INSPECT SYSTEM REGULARLY TO ENSURE IT IS FUNCTIONING IN A CORRECT MANNER.
7. EIGHT SIZES OF SKIMMERS ARE AVAILABLE, REFER TO THE FLOW SHEET, CUT SHEET, AND INSTRUCTIONS ON WEB SITE FOR EACH SIZE.

FAIRCLOTH SKIMMER® DISCHARGE SYSTEM WITH EMBANKMENT

J. W. FAIRCLOTH & SON INC.
WWW.FAIRCLOTHSKIMMER.COM
TELEPHONE: (919) 732-1244
FAX: (919) 732-1266
EMAIL: WARREN@FAIRCLOTHSKIMMER.COM

(DS) DEWATERING SYSTEM / STRUCTURE
N.T.S.



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FAIRCLOTH SKIMMER® DISCHARGE SYSTEM WITH OUTLET STRUCTURE

J. W. FAIRCLOTH & SON INC.
WWW.FAIRCLOTHSKIMMER.COM
TELEPHONE: (919) 732-1244
FAX: (919) 732-1266
EMAIL: WARREN@FAIRCLOTHSKIMMER.COM

(DS) DEWATERING SYSTEM / STRUCTURE
N.T.S.

NOTE: UNLESS OTHERWISE NOTED THESE STANDARDS APPLY IN ALL LOCATIONS

EROSION CONTROL DETAILS SHOWN ON THIS SHEET ARE WALMART AND CPH, INC. STANDARD DETAILS

WALMART STORES EAST, LP
2001 SE 10TH STREET
BENTONVILLE, AR
72716-5570
501-273-4000

SITE OPERATOR/GENERAL CONTRACTOR:

SUPERINTENDENT:

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• Maryland
BRIAN PAUL CASSIDY LICENSE No. 67373 STATE OF FLORIDA PROFESSIONAL ENGINEER
BRIAN PAUL CASSIDY, P.E. #67373

APR 0 9 2017

No.	Date	Revision	By
1	2/17/15		B.P.C.
2			P.W.R.
3			H.L.W
4			B.P.C.

Designed by:	B.P.C.
Drawn by:	P.W.R.
Checked by:	H.L.W
Approved by:	B.P.C.
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EROSION AND SEDIMENTATION CONTROL DETAILS

Walmart

STORE NO. 3873-00, ALACHUA (SEC I-75 HWY 441), FLORIDA

Sheet No.
SW-8

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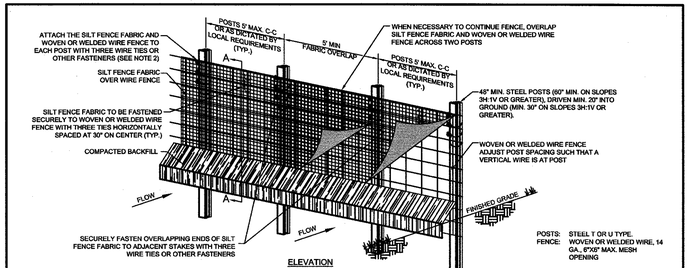
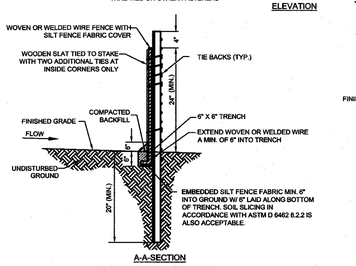
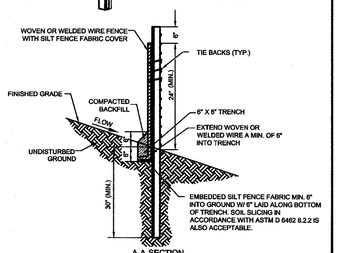


ELEVATION



A-A SECTION
(FOR SLOPES LESS THAN 3:1)



A-A SECTION
(FOR SLOPES 3:1 AND GREATER)

INSIDE CORNER - PLAN VIEW

SILT FENCE				
SILT FENCE SECTION	TYPE (WIRE BACK OR SLICED)	SECTION LENGTH (FT)	DRAINAGE AREA (ACRES)	AVERAGE SLOPE OF AREA
DRAINAGE A	WIRE	944'	3.74	5.0%
DRAINAGE B	WIRE	3,163'	40.74	5.0%
DRAINAGE C	WIRE	3,109'	22.34	3.0%
DRAINAGE D	WIRE	3,128'	10.25	
DRAINAGE C	WIRE	1,612'	3.03	

TABLE 1 Temporary Silt Fence Material Property Requirements

		Test Method	Units	Supported[a] Silt Fence	Unsupported[a] Silt Fence	Type of Value
Grab Strength		ASTM D 4632	N (lbs)			
	Machine Direction			400 (90)	550 (90)	MARV
	X-Machine Direction			400 (90)	450 (90)	MARV
Permittivity[a]		ASTM D 4491	sec-1	0.05	0.05	MARV
Apparent Opening Size[a]		ASTM D 4751	mm (US Sieve #)	0.60 (30)	0.60 (30)	Max. ARV[c]
Ultraviolet Stability		ASTM D 4355	% Retained Strength	70% after 500 h of exposure	70% after 500 h of exposure	Typical

[a]Silt fence support shall consist of 14 gage steel wire with a mesh spacing of 150 mm (6 in.) or prefabricated polymer mesh of equivalent strength.
These default values are based on empirical evidence with a variety of sediments. For environmentally sensitive areas, a review of previous experience and/or site or regionally specific geotextile tests in accordance with Test Method D 5141 should be performed by the agency to confirm suitability of these requirements.
As measured in accordance with Test Method D 4632.

[c]
TABLE 1 TAKEN FROM ASTM D 6461-99 (2007)

SF SEDIMENTATION/SILT FENCE WITH WIRE BACKING
N.T.S.

LAST REVISED:	WAL-MART STANDARD DETAIL
JUNE 2012	

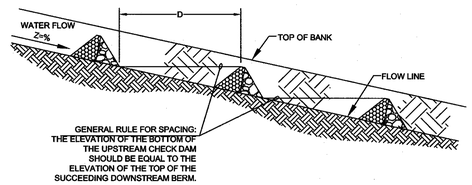
SPECIFICATIONS FOR SILT FENCE INSTALLATION

1. MATERIALS AND INSTALLATION SHALL COMPLY WITH ASTM D 6462 LATEST EDITION.
2. INSTALL SILT FENCE AT A FAIRLY LEVEL GRADE ALONG THE CONTOUR WITH THE ENDS CURVED UPHILL TO PROVIDE SUFFICIENT UPSTREAM STORAGE VOLUME FOR THE ANTICIPATED RUNOFF.
3. ATTACH THE GEOTEXTILE OR FABRIC TO THE WOVEN OR WELDED WIRE FENCE WITH THREE WIRE TIES OR OTHER FASTENERS (HORIZONTALLY SPACED EVERY 30"), ALL SPACED WITHIN THE TOP 8" OF THE FABRIC. ATTACH EACH TIE DIAGONALLY 45 DEGREES THROUGH THE FABRIC, WITH EACH PUNCTURE AT LEAST 1" VERTICALLY APART. AT EACH POST, ATTACH THE GEOTEXTILE OR FABRIC AND THE WOVEN OR WELDED WIRE FENCE TO THE POST AS PREVIOUSLY STATED. IN ADDITION, EACH TIE PLACED ON A POST SHOULD BE POSITIONED TO HANG ON A POST NIPPLE WHEN TIGHTENED TO PREVENT SAGGING.
4. WHEN TWO SECTIONS OF SILT FENCE FABRIC ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED A MINIMUM OF 60" ACROSS TWO POSTS, AS SHOWN.
5. ALL SILT FENCE SHALL INCLUDE WIRE SUPPORT UNLESS THE STATIC SLICING EQUIPMENT IS UTILIZED TO INSTALL THE FENCE PER DETAIL "SILT FENCE INSTALLATION (SLICING METHOD)".
6. WRAP APPROXIMATELY 6" OF FABRIC AROUND THE END POSTS AND SECURE WITH 3 TIES.
7. COMPACT THE SOIL IMMEDIATELY NEXT TO THE SILT FENCE FABRIC WITH THE FRONT WHEEL OF THE TRACTOR, SKID STEER, OR ROLLER EXERTING AT LEAST 60 POUNDS PER SQ. INCH. COMPACT THE UPSTREAM SIDE FIRST. COMPACT EACH SIDE TWICE FOR A TOTAL OF FOUR TRIPS.
8. ADD POST CAPS AS NEEDED BASED ON SITE CONDITIONS AND APPLICABLE AGENCY REQUIREMENTS.

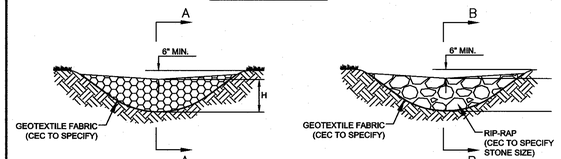
MAINTENANCE NOTES

1. SILT FENCES SHALL BE INSPECTED ALONG ITS ENTIRETY AND MUST BE CLEANED WHEN SEDIMENT HAS ACCUMULATED TO ONE-THIRD THE HEIGHT OF THE SILT FENCE. MAINTENANCE CLEANOUT MUST BE CONDUCTED REGULARLY TO PREVENT ACCUMULATED SEDIMENTS FROM REACHING ON-THIRD THE HEIGHT OF THE SILT FENCE.
2. ALL MATERIAL EXCAVATED FROM BEHIND SILT FENCE SHALL BE STOCKPILED ON AN UPLAND PORTION OF THE SITE IF SUITABLE FOR REUSE.
3. SPECIAL ATTENTION SHOULD BE PAID TO ENSURE THAT NO UNDERMINING OF SILT FENCE HAS OCCURRED AND THAT NO BYPASS IS OCCURRING AT JOINING SECTIONS.
4. IF EXCESS SEDIMENT IS ACCUMULATING IN ANY SECTION OF SILT FENCE, THE CONTRACTOR SHOULD IMPLEMENT ADDITIONAL UPSTREAM STABILIZATION MEASURES OR ADDITIONAL BMPS (PENDING CEC APPROVAL) TO PREVENT EXCESSIVE BUILDUP ON SILT FENCE.
5. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED.

NOTE: SEE SITE MAP(S) FOR LOCATION OF CHECK DAM(S).

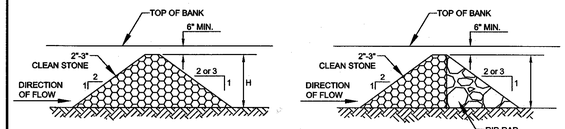


CHECK DAMS IN SWALE



2 ACRES OR LESS OF DRAINAGE AREA (DOWNSTREAM VIEW)

2-10 ACRES OF DRAINAGE AREA (DOWNSTREAM VIEW)



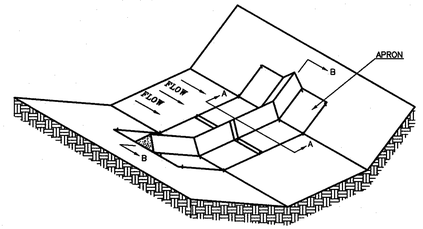
ELEVATION A

ELEVATION B

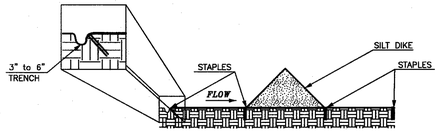
CHECK DAMS				
CHECK DAM NAME (REFERENCE DIVERSION NAME)	CHECK DAM HEIGHT (IN.)	CHECK DAM SPACING (FT.)	AVERAGE CHANNEL SLOPE	MAXIMUM CHANNEL SLOPE
CD	12"	SINGLE	0.29%	0.29%

LAST REVISED:	WAL-MART STANDARD DETAIL
JUNE 2012	

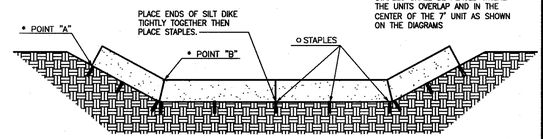
CD ROCK CHECK DAM
N.T.S.



SILT DIKE UNIT



SECTION A-A



NOTE:
*POINT "A" MUST BE HIGHER THAN POINT "B" TO ENSURE THAT WATER FLOWS OVER THE DIKE AND NOT AROUNT THE ENDS.

SECTION B-B

SILT DIKE CHECK DAM
N.T.S.
SCD

DT-SCD	11/01/07	WALMART DETAIL

NOTES:

1. CONSIDERATION MUST BE GIVEN TO ANTICIPATED CLIMATE AND SEASONAL CONDITIONS WHEN PLANTING SEED.
2. SEED SHALL BE FREE OF WEEDY SPECIES AND APPROPRIATE FOR SITE SOILS AND REGIONAL CLIMATE. SEED AND MULCH PER THE CONSTRUCTION DRAWINGS AND THE 02900 PLANTING SPECIFICATION IMMEDIATELY AFTER TOPSOIL IS APPLIED AND FINAL GRADE IS REACHED.
3. THE SITE HAS ACHIEVED FINAL STABILIZATION ONCE ALL AREAS ARE COVERED WITH BUILDING FOUNDATION OR PAVEMENT, OTHER LANDSCAPING COVER (STONE, MULCH, ETC.), OR HAVE A STAND OF GRASS WITH A MINIMUM OF 70 PERCENT [MODIFY, AS NECESSARY, TO MATCH GENERAL PERMIT] DENSITY OVER THE ENTIRE VEGETATED AREA, OR GREATER IN ACCORDANCE WITH THE GENERAL PERMIT REQUIREMENTS.
4. VEGETATED AREAS MUST BE WATERED, FERTILIZED, AND RESEEDED AS NEEDED TO ACHIEVE THIS REQUIREMENT.
5. THE VEGETATIVE DENSITY MUST BE MAINTAINED THROUGH PROJECT COMPLETION TO BE CONSIDERED STABILIZED. AREAS PROTECTED BY EROSION CONTROL BLANKETS ARE NOT PERMANENTLY STABILIZED UNTIL THE APPLICABLE GENERAL PERMIT REQUIREMENT FOR FINAL VEGETATIVE DENSITY IS ACHIEVED.
6. RIP-RAP, MULCH, GRAVEL, DECOMPOSED GRANITE OR OTHER EQUIVALENT PERMANENT STABILIZATION MEASURES MAY BE EMPLOYED IN LIEU OF VEGETATION BASED ON SITE-SPECIFIC CONDITIONS, DESIGN AND GOVERNING AUTHORITY APPROVAL.
7. ALL VEGETATED AREAS SHALL BE INSPECTED REGULARLY TO CONFIRM THAT A HEALTHY STAND OF GRASS IS MAINTAINED.

SVR SEEDING/VEGETATION REQUIREMENTS
N.T.S.

LAST REVISED:	WAL-MART STANDARD DETAIL
JUNE 2012	

NOTES:

1. THE GC IS REQUIRED TO, AT A MINIMUM, INITIATE SOIL STABILIZATION MEASURES IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING OR OTHER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE SITE, OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE AND WILL NOT LIKELY RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS [MODIFY, AS NECESSARY, TO MATCH GENERAL PERMIT].
2. THE GC HAS 7 DAYS FROM INITIATION OF STABILIZATION TO COMPLETE SOIL PREPARATION, SEEDING, MULCHING, AND ANY OTHER REQUIRED ACTIVITIES RELATED TO THE PLANTING AND ESTABLISHMENT OF VEGETATION. THE GC ALSO HAS 7 DAYS FROM INITIATION OF STABILIZATION TO COMPLETELY INSTALL NON-VEGETATED MEASURES, IF UTILIZED.
3. ALL DISTURBED AREAS MUST BE STABILIZED TEMPORARILY WITH THE USE OF FAST-GERMINATING ANNUAL GRASS/GRAIN VARIETIES APPROPRIATE FOR SITE SOIL AND CLIMATE CONDITIONS. MULCH IS REQUIRED FOR ALL SEEDING APPLICATIONS, AND ALL MULCH APPLICATIONS MUST INCLUDE A SUITABLE FORM OF MULCH ANCHORING TO MINIMIZE MOVEMENT OF MULCH BY WIND OR WATER.
4. ALTERNATIVE STABILIZATION MEASURES TO SEEDING, SUCH AS ANCHORED MULCH APPLICATION (WITHOUT SEEDING), MAY BE UTILIZED DURING PERIODS WHEN VEGETATIVE GROWTH IS UNLIKELY (E.G. WINTER MONTHS).
5. IT IS NOT ACCEPTABLE TO ALLOW BARE SOIL TO REMAIN EXPOSED AT ANY TIME DURING THE YEAR, REGARDLESS OF WEATHER/TEMPERATURE/SITE CONDITIONS.
6. ALTERNATIVE STABILIZATION MEASURES INCLUDE, BUT ARE NOT LIMITED TO: ANCHORED STRAWHAY MULCH, WOOD CELLULOSE FIBER MULCH, SPRAY-ON SOIL GLUES/BINDERS, AND ROLLED EROSION CONTROL PRODUCTS.
7. ALL ROLLED EROSION CONTROL PRODUCTS SHALL HAVE CURRENT QDOR(TM) STATUS ISSUED BY THE EROSION CONTROL TECHNOLOGY COUNCIL (ECTC) PLUS ANY STATE OR AGENCY-SPECIFIC REQUIREMENTS. EVIDENCE OF QDOR(TM) APPROVAL SHALL ACCOMPANY THE PRODUCT SHIPPED TO THE JOBSITE FOR READY IDENTIFICATION BY THE CONTRACTOR OR AGENCY INSPECTOR.
8. ROLLED EROSION CONTROL PRODUCTS (NETS, BLANKETS, TURF REINFORCED MATES) AND VEGETATED AREAS NOT MEETING REQUIRED VEGETATIVE DENSITIES FOR FINAL STABILIZATION MUST BE INSPECTED DAILY. RILING, RUTTING AND OTHER SIGNS OF EROSION INDICATE THE SPECIFIED EROSION CONTROL DEVICE IS NOT FUNCTIONING OR INSTALLED PROPERLY AND/OR ADDITIONAL EROSION CONTROL DEVICES ARE WARRANTED.

TS TEMPORARY SEEDING OR STABILIZATION
N.T.S.

LAST REVISED:	WAL-MART STANDARD DETAIL
JUNE 2012	

NOTES:

1. PERMANENT STABILIZATION SHALL BE ACCOMPLISHED IN ALL DISTURBED AREAS BY COVERING THE SOIL WITH PAVEMENT, BUILDING STRUCTURES, VEGETATION, OR OTHER FORMS OF SOIL STABILIZATION.
2. THE GC IS REQUIRED TO INITIATE PERMANENT SOIL STABILIZATION MEASURES IMMEDIATELY UPON REACHING FINAL GRADE. FOR THOSE AREAS NOT AT FINAL GRADE THAT WILL NOT BE DISTURBED FOR GREATER THAN 14 DAYS [MODIFY, AS NECESSARY, TO MATCH GENERAL PERMIT], THE CONTRACTOR SHOULD INITIATE TEMPORARY STABILIZATION PER THE TEMPORARY SEEDING OR STABILIZATION DETAIL.
3. THE GC HAS 7 DAYS FROM INITIATION OF STABILIZATION TO COMPLETE SOIL PREPARATION, SEEDING, MULCHING, AND ANY OTHER REQUIRED ACTIVITIES RELATED TO THE PLANTING AND ESTABLISHMENT OF VEGETATION. THE GC ALSO HAS 7 DAYS FROM INITIATION OF STABILIZATION TO COMPLETELY INSTALL NON-VEGETATED MEASURES, IF UTILIZED.
4. SOILS MUST BE PREPARED BEFORE INSTALLATION OF SOD OR SEED.
5. AT THE COMPLETION OF GROUND-DISTURBING ACTIVITIES, THE ENTIRE SITE MUST HAVE PERMANENT VEGETATIVE COVER MEETING VEGETATIVE DENSITY REQUIREMENTS IN THE GENERAL PERMIT, OR MULCH PER LANDSCAPE PLAN, IN ALL AREAS NOT COVERED BY HARDSCAPE (STONE, PAVEMENT, BUILDINGS, ETC.).
6. SEEDED AREAS SHALL BE PROTECTED WITH STRAW MULCH, HYDRAULIC MULCH OR A ROLLED EROSION CONTROL PRODUCT. STRAW MULCH MUST BE TACKIFIED OR CRIMPED BY DISC OR OTHER MACHINERY, AND ROLLED EROSION CONTROL PRODUCTS MUST BE INSTALLED PER MANUFACTURER RECOMMENDATIONS. ONLY ROLLED EROSION CONTROL PRODUCTS ARE PERMITTED TO BE USED IN FLOW CONVEYANCES.
7. ALL AREAS TO BE SEEDED MUST MEET TOPSOIL DEPTH, PH AND ORGANIC CONTENT REQUIREMENTS.
8. FINAL SITE STABILIZATION IS ACHIEVED WHEN PERENNIAL VEGETATIVE COVER PROVIDES PERMANENT STABILIZATION WITH A UNIFORM DENSITY GREATER THAN 70 PERCENT [MODIFY, AS NECESSARY, TO MATCH GENERAL PERMIT] OVER THE ENTIRE AREA TO BE STABILIZED BY VEGETATIVE COVER. THIS AREA IS EXCLUSIVE OF AREAS THAT ARE COVERED WITH ROCK (CRUSHED GRANITE, GRAVEL, ETC.) OR LANDSCAPE MULCH, PAVED OR HAVE A BUILDING OR OTHER PERMANENT STRUCTURE ON THEM.

PS PERMANENT SEEDING, SOD OR MULCHING
N.T.S.

LAST REVISED:	WAL-MART STANDARD DETAIL
JUNE 2012	

NOTE: UNLESS OTHERWISE NOTED THESE STANDARDS APPLY IN ALL LOCATIONS

EROSION CONTROL DETAILS SHOWN ON THIS SHEET ARE WALMART AND CPH, INC. STANDARD DETAILS

WALMART STORES EAST, LP
2001 SE 10TH STREET
BENTONVILLE, AR
72716-5570
501-273-4000

SITE OPERATOR/GENERAL CONTRACTOR:

SUPERINTENDENT:

IMPORTANT: GC MUST SIGN ALL PLAN SHEETS AND ANY NEW PLAN SHEETS ISSUED BY THE CEC.

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APR 03 2017

No.	Date	Revision	By
1	2/17/15		

Designed by: B.P.C.
Drawn by: P.W.R.
Checked by: H.L.W
Approved by: B.P.C.
Scale: NONE
Date: 2/17/15
Job No.: W13392.1
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EROSION AND SEDIMENTATION CONTROL DETAILS

Walmart

STORE NO. 3873-00, ALACHUA (SEC I-75 HWY 441), FLORIDA

Sheet No.
SW-9

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PERFORMANCE STANDARDS

NOTES:

1. SKIMMER OR DEWATERING BMP MUST DRAW WATER FROM THE TOP OF THE WATER COLUMN (I.E., WATER SURFACE) PER US EPA CGP.
2. DO NOT USE RISERS WITH PERFORATED PIPE OR ANY OTHER SYSTEM/BMP THAT DRAWS WATER FROM BELOW THE WATER SURFACE.

(SK) **SKIMMER**

LAST REVISED:	WAL–MART STANDARD DETAIL
JUNE 2013	

NOTES:

1. IMPORTANT: GC SHALL NOT APPLY FLOCCULANTS WITHOUT PREVIOUS REVIEW AND WRITTEN CONFIRMATION BY CEC. FLOCCULANTS MUST BE USED ONLY IN LOCATIONS SHOWN ON THE SWPPP MAPS, AT RATES AND METHODS SPECIFIED AND AS APPROVED BY CEC. CEC SHALL CONFIRM WHETHER TO FOLLOW MANUFACTURER DIRECTION, OR MODIFY MANUFACTURER'S DIRECTION.
2. FLOCCULANTS SHALL BE USED AS FAR UPSTREAM OF BASINS, TRAPS, TANKS, OR OTHER WATER CONTAINMENT AREAS AS POSSIBLE. THE EFFECTIVENESS OF FLOCCULANTS DEPENDS ON THE TRAVEL TIME AND AGITATION OF THE WATER, FOR PROPER MIXING.
3. ALL SEDIMENTATION/SETTLING MUST OCCUR WITHIN THE LCD. THAT IS, VELOCITY OF FLOW IN WATER CONTAINMENT SHOULD BE NEAR ZERO, AND THE TIME OF RESIDENCE AS LONG AS POSSIBLE.
4. FLOC BLOCKS, FLOCCULANT-IMPREGNATED WATTLES, AND ANY OTHER CONTROL MEASURES WHICH SUPPLY FLOCCULANTS MUST BE REGULARLY INSPECTED AND MAINTAINED, AS ARE ALL OTHER CONTROL MEASURES.
5. STANDARD EROSION AND SEDIMENT CONTROLS ARE REQUIRED BOTH PRIOR TO AND AFTER CHEMICAL TREATMENT IN ACCORDANCE WITH THE SWPPP PLANS.

(CES) **CHEMICALLY–ENHANCED SETTLEING PASSIVE TREATMENT SYSTEMS**

LAST REVISED:	WAL–MART STANDARD DETAIL
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NOTES:

1. VERIFY WITH CEC WHICH DISCHARGES FROM DEWATERING ACTIVITIES ARE ALLOWED OR ARE NOT ALLOWED NON-STORMWATER DISCHARGES UNDER THE GENERAL PERMIT AND OTHER REGULATIONS. OBTAIN ALL DEWATERING PERMITS AND AUTHORIZATIONS REQUIRED BY STATE AND LOCAL REGULATIONS. SEE THE REQUIRED DEWATERING PERMITS AND AUTHORIZATIONS TABLE BELOW. GC MUST COMPLETE COLUMNS 3 AND 4.
2. GC MUST WAIT TO HAVE WRITTEN COPY OF ALL REQUIRED DEWATERING PERMITS AND AUTHORIZATIONS BEFORE PERFORMING DEWATERING ACTIVITIES.
3. DISCHARGES FROM DEWATERING OPERATIONS MUST BE DIRECTED THROUGH AN APPROPRIATE POLLUTION PREVENTION/TREATMENT SYSTEM OF CONTROL MEASURES, SUCH AS A SEDIMENT/FILTER BAG, SEDIMENT TRAP OR SEDIMENT BASIN, AND OTHERS, AS NEEDED, PRIOR TO BEING DISCHARGED FROM THE SITE OR INTO A WATER BODY OF THE STATE. UNDER NO CIRCUMSTANCES ARE DISCHARGES FROM DEWATERING OPERATIONS TO BE DISCHARGED DIRECTLY INTO SANITARY SEWER SYSTEMS, STREAMS, RIVERS, LAKES OR OTHER AREAS BEYOND THE PERMITTED PROJECT AREA. LIKEWISE, DISCHARGES INTO STORM SEWER SYSTEMS THAT DO NOT DRAIN TO A SUITABLE ON-SITE TREATMENT FACILITY, SUCH AS A BASIN, ARE ALSO PROHIBITED. DISCHARGES FROM DEWATERING OPERATIONS MUST ALSO BE CONDUCTED IN A MANNER SUFFICIENT TO PREVENT EROSION FROM THE DISCHARGE RUNOFF.
4. IN SEDIMENT TRAP OR BASIN OR POND DEWATERING OPERATIONS, WATER MUST ONLY BE REMOVED FROM THE SURFACE OF THE CONTAINED WATER. A SKIMMER OR SIMILAR FLOATING DEVICE MUST BE USED, TO ONLY REMOVE THE WATER AT THE SURFACE.
5. DO NOT DISCHARGE ON A SLOPE GREATER THAN THREE PERCENT NOR WITHIN 20 FEET OF A SURFACE WATER BODY.
6. DEWATERING SHALL NOT OCCUR DURING OR IMMEDIATELY AFTER PRECIPITATION EVENTS, BUT EXCEPTIONS SHALL BE EVALUATED ON CASE BY CASE BASIS. CONTACT THE CEC AND RECEIVE WRITTEN APPROVAL.

REQUIRED DEWATERING PERMITS AND AUTHORIZATIONS

1	2	3	4
GOVERNING AGENCY	PERMIT NAME/TYPE	PERMIT NO. (GC TO COMPLETE)	DATE PERMIT WAS ISSUED BY AGENCY (GC TO COMPLETE)

(DW) **DEWATERING**

LAST REVISED:	WAL–MART STANDARD DETAIL
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NOTES:

1. ALL ON-SITE TOPSOIL MUST BE PRESERVED FOR REUSE ON THE SITE DURING REVEGETATION, UNLESS IT IS INFEASIBLE OR UNREASONABLE TO DO SO. (NOTE: TOPSOIL STOCKPILING ON-SITE MAY BE INFEASIBLE IF SPACE IS NOT AVAILABLE ON-SITE FOR TOPSOIL STOCKPILING OR IF LITTLE TO NO VEGETATION IS TO REMAIN UNDER POST-CONSTRUCTION CONDITIONS. STOCKPILING OF TOPSOIL AT AN OFF-SITE LOCATION OR TRANSFER OF TOPSOIL TO OTHER LOCATIONS MAY ALSO BE ACCEPTABLE BUT MUST BE AUTHORIZED BY THE CEC).
2. ALL SOIL STOCKPILES MUST BE STABILIZED TO PREVENT EROSION AND FUGITIVE DUST. THE SURFACE OF THE STOCKPILE MUST BE PROPERLY PROTECTED TO ELIMINATE THE RISK OF EROSION. SEE TEMPORARY SEEDING OR STABILIZATION DETAIL. SUITABLE ALTERNATIVE MEANS OF STABILIZATION CAN BE USED, SUCH AS PROPERLY ANCHORED PLASTIC TARPS.
3. PERIMETER SEDIMENT CONTROLS ALSO MUST BE INSTALLED AT STOCKPILE LOCATIONS TO PREVENT CONTACT WITH STORMWATER, INCLUDING RUN-ON.
4. STOCKPILES MUST BE LOCATED OUTSIDE OF ANY VEGETATED BUFFER AREAS AND SHOULD BE LOCATED AS FAR AS PRACTICABLE FROM STORMWATER CONVEYANCES AND IMPOUNDMENTS AND WATER BODIES.
5. STOCKPILE LOCATIONS SHALL BE NOTED ON THE SITE MAPS.

(SP) **STOCKPILES**

LAST REVISED:	WAL–MART STANDARD DETAIL
JUNE 2012	

NOTES:

1. USING WATER FROM BASINS, TRAPS, TANKS, OR OTHER WATER CONTAINMENT AREAS FOR IRRIGATION MINIMIZES DISCHARGES FROM THE SITE, AND IT MAY SATISFY OTHER NEEDS OF THE CONSTRUCTION PROJECT, SUCH AS DUST CONTROL, VEGETATIVE ESTABLISHMENT, ETC.
2. CARE SHOULD BE TAKEN THAT WATER UTILIZED FROM CONTAINMENT AREAS ON-SITE FOR CONSTRUCTION PURPOSES DOES NOT DISCHARGE OFF-SITE. IF DISCHARGE IS ANTICIPATED OR OBSERVED, DEWATERING PROCEDURES STATED IN THE DEWATERING DETAIL MUST BE FOLLOWED.
3. GC SHALL IMPLEMENT IRRIGATION OR DISPERSION AS PRACTICABLE TO REDUCE WATER VOLUME IN IMPOUNDMENTS AND TO FOSTER VEGETATION GROWTH.

(ID) **IRRIGATION OR DISPERSION**

LAST REVISED:	WAL–MART STANDARD DETAIL
JUNE 2012	

NOTES:

1. LARGE AREAS OF SOIL THAT ARE DENUDED OF VEGETATION AND HAVE NO PROTECTION FROM PARTICLES BEING PICKED UP AND CARRIED BY WIND SHOULD BE PROTECTED WITH A TEMPORARY COVER OR KEPT UNDER CONTROL WITH WATER OR OTHER SOIL ADHERING PRODUCTS TO PREVENT SOIL PARTICLES FROM BECOMING AIRBORNE, AND FROM EXITING THE SITE PERIMETER.
2. WATER TRUCKS OR OTHER DUST CONTROL AGENTS SHALL BE USED AS NEEDED DURING CONSTRUCTION TO MINIMIZE DUST GENERATED ON THE SITE. TACKIFIERS MAY BE USED TO HOLD SOIL IN PLACE AND PREVENT DUST. MANUFACTURER RECOMMENDATIONS FOR APPLICATION LOCATIONS AND RATES MUST BE USED FOR DUST CONTROL APPLICATIONS. ONLY SWPPP-SPECIFIED TACKIFIERS MAY BE USED ON THE PROJECT SITE; ANY CHEMICAL APPLICATION NOT INCLUDED IN THE SWPPP MUST BE APPROVED, IN WRITING, BY THE CEC.
3. DUST CONTROL MUST BE PROVIDED BY THE GC TO A DEGREE THAT IS IN COMPLIANCE WITH APPLICABLE FEDERAL, LOCAL AND STATE DUST CONTROL REGULATIONS.
4. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
5. IN ADDITION TO BMPS, GC SHALL PERFORM PER PRACTICES AND PROCEDURES WHICH MINIMIZE AND PREVENT AIRBORNE DUST OR OTHER PARTICLES FROM OCCURRING.

(DC) **DUST CONTROL**

LAST REVISED:	WAL–MART STANDARD DETAIL
JUNE 2012	

NOTES:

1. STORM DRAIN INLET PROTECTION MEASURES SHALL PREVENT SOIL AND DEBRIS FROM ENTERING STORM DRAIN INLETS.
2. TEMPORARY CONTROLS SHALL BE CONSTRUCTED BEFORE THE SURROUNDING AREA IS DISTURBED.
3. TO PREVENT CLOGGING, STORM DRAIN CONTROL STRUCTURES MUST BE MAINTAINED FREQUENTLY.
4. CHECK ALL TEMPORARY CONTROL MEASURES DAILY, AND AFTER EACH STORM EVENT.
5. CONTROL MEASURES MUST BE BUILT PER DETAIL AND PLANS, AND MUST BE IN GOOD WORKING CONDITION AT ALL TIMES.

(IP) **INLET PROTECTION**

LAST REVISED:	WAL–MART STANDARD DETAIL
JUNE 2013	

NOTES:

1. SUBSTANCES THAT HAVE THE POTENTIAL FOR POLLUTING SURFACE AND/OR GROUNDWATER MUST BE CONTROLLED BY ANY MEANS NECESSARY TO ENSURE THAT THOSE DO NOT DISCHARGE FROM THE SITE. IN THIS REGARD, POTENTIALLY POLLUTING SUBSTANCES SHALL BE STORED AND HANDLED IN A MANNER CONSISTENT WITH THE RISK OF IMPACT THOSE REPRESENT, AND ACCORDING WITH THE REGULATIONS.
2. NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS, ARE ALLOWED TO BE DISCHARGED FROM THE SITE WITH STORMWATER. ALL SOLID WASTE, INCLUDING DISPOSABLE MATERIALS INCIDENTAL TO THE CONSTRUCTION ACTIVITIES, MUST BE COLLECTED AND PLACED IN CONTAINERS. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORMWATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE. THE CONTAINERS SHALL BE HAULED AWAY FROM THE SITE AND EMPTIED WHEN THOSE BECOME 95% FULL, OR AS NECESSARY, BY A CERTIFIED TRASH DISPOSAL SERVICE. LIDS OR COVERS FOR THE CONTAINERS SHALL BE PROVIDED FOR USE DURING RAIN EVENTS TO PREVENT WASTE CONTACT WITH STORMWATER. WASTES THAT CANNOT BE STORED IN A CONTAINER MUST BE STORED UNDER COVER OR INDOORS. THE LOCATION OF SOLID WASTE RECEPTACLES SHALL BE SHOWN ON THE SITE MAPS.

(SWD) **SOLID WASTE DISPOSAL**

LAST REVISED:	WAL–MART STANDARD DETAIL
JUNE 2013	

NOTES:

1. CONTRACTOR SHALL PROVIDE DESIGNATED LOCATION FOR SORTING AND SEPARATING HAZARDOUS WASTES.
2. HAZARDOUS WASTE STORAGE MUST BE PROTECTED FROM WEATHER ELEMENTS AND HAVE RESTRICTED ACCESS.
3. HAZARDOUS WASTE STORAGE MUST COMPLY WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
4. HAZARDOUS WASTE STORAGE MUST COMPLY WITH CONTRACT DOCUMENTS.

(HWD) **HAZARDOUS WASTE DISPOSAL**

LAST REVISED:	WAL–MART STANDARD DETAIL
JUNE 2013	

NOTES:

1. ALL PERSONNEL INVOLVED WITH CONSTRUCTION ACTIVITIES MUST COMPLY WITH STATE AND LOCAL SANITARY OR SEPTIC SYSTEM REGULATIONS. PORTABLE TOILETS MUST BE LOCATED AT LEAST 30 FEET FROM INLETS, CHANNELS, SWALES, OR PERMITTED LIMITS OF DISTURBANCE, AND MUST BE LOCATED AT LEAST 50 FEET FROM WATERS OF THE STATE, OR WATERS OF THE U.S.. PORTABLE TOILETS MUST BE SECURELY ANCHORED AND/OR TIED DOWN. SECONDARY CONTAINMENT SHALL BE PROVIDED AND FULL CAPACITY SHALL BE RESTORED IMMEDIATELY UPON DISCOVERY OF ITS DIMINISHMENT. THE LOCATION OF SANITARY FACILITIES SHALL BE SHOWN ON THE SITE MAPS.

(SAF) **SANITARY FACILITIES**

LAST REVISED:	WAL–MART STANDARD DETAIL
JUNE 2013	

NOTES:

1. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AREA AS CONDITIONS DEMAND.

(TP) **TEMPORARY PARKING**

LAST REVISED:	WAL–MART STANDARD DETAIL
JUNE 2013	

NOTES:

1. MATERIAL STORAGE AREAS SHOULD BE LOCATED, WHEN POSSIBLE, TO MINIMIZE EXPOSURE TO WEATHER. INSPECTIONS SHALL EVALUATE DISTURBED AREAS AND AREAS USED FOR STORING MATERIALS THAT ARE EXPOSED TO RAINFALL FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM OR DISCHARGING FROM THE SITE. IF NECESSARY, THE MATERIALS MUST BE COVERED OR ORIGINAL COVERS MUST BE REPAIRED OR SUPPLEMENTED. ALSO, PROTECTIVE BERMS MUST BE CONSTRUCTED, IF NEEDED, TO CONTAIN RUNOFF FROM MATERIAL STORAGE AREAS. GC SHALL ADHERE TO ALL STATE AND LOCAL REGULATIONS PERTAINING TO MATERIAL STORAGE AREAS.
2. CHEMICALS, PAINTS, SOLVENTS, FERTILIZERS, AND OTHER TOXIC MATERIALS MUST BE STORED IN WATERPROOF CONTAINERS. EXCEPT DURING APPLICATION, THE CONTAINERS AND THE CONTENTS MUST BE KEPT IN TRUCKS OR INSIDE OF STORAGE FACILITIES. RUNOFF CONTAINING SUCH MATERIAL MUST BE COLLECTED, REMOVED FROM THE SITE, TREATED, AND DISPOSED OF AT AN APPROVED SOLID WASTE AND CHEMICAL DISPOSAL FACILITY.

(MLSA) **MATERIAL LAYDOWN AND STORAGE AREA**

LAST REVISED:	WAL–MART STANDARD DETAIL
JUNE 2013	

NOTES:

1. CONCRETE WASTE MANAGEMENT PERTAINS TO WASTE FROM CONCRETE READY-MIX TRUCKS, MASONRY OPERATIONS, AND SIMILAR WASTE.
2. DISCHARGE OF EXCESS OR WASTE CONCRETE AND/OR WASH WATER FROM CONCRETE TRUCKS IS ALLOWED AT THE CONSTRUCTION SITE. (OTHER COMMERCIALLY AVAILABLE ABOVE GROUND PORTABLE CONCRETE WASHOUT CONTAINERS ARE ALLOWED AND MUST BE PROTECTED FROM VEHICLE TRAFFIC AND CLEARLY IDENTIFIED BY LEGIBLE SIGNAGE, AND MUST BE LOCATED OUTSIDE OF VEGETATED BUFFERS AND AS FAR AS PRACTICABLE FROM STORMWATER CONVEYANCES AND IMPOUNDMENTS AND WATER BODIES. PORTABLE CONCRETE WASHOUT CONTAINERS SHALL CONTAIN AND/OR ACTIVELY MANAGE BOTH, SOLID AND FLUID, COMPONENTS OF THE MIX. CONCRETE WASHOUT CONTAINERS MUST BE CLEANED OR EXCHANGED WHEN THE REMAINING VOLUME IS REDUCED BY 85% TO PREVENT ANY POTENTIAL OVERFLOW IN A STORM EVENT.
3. ALTERNATIVELY, WASTE CONCRETE CAN BE PLACED INTO FORMS TO MAKE RIP RAP AND/OR OTHER USEFUL CONCRETE PRODUCTS. PORTABLE CONCRETE WASHOUT CONTAINERS SHALL BE DISPOSED IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. THE GC IS RESPONSIBLE FOR ASSURING THAT THESE PROCEDURES, APPLICABLE LAWS, AND ENVIRONMENTAL REGULATIONS ARE FOLLOWED. THE LOCATION OF CONCRETE WASHOUT CONTAINERS SHALL BE SHOWN ON THE SITE MAPS.

(CW) **CEMENT AND CONCRETE WASHOUT**

LAST REVISED:	WAL–MART STANDARD DETAIL
JUNE 2013	

NOTES:

1. PROVIDE WASH STATION IN A LOCATION PROTECTED FROM WEATHER ELEMENTS.
2. COLLECT ALL USED WASH WATER AND DISPOSE OF IT PROPERLY.
3. PROVIDE ADEQUATE SUPPLY OF WATER AND ANY OTHER SUPPLIES TO ENSURE PROPER OPERATION OF WASH STATION WHEN NEEDED.

(PSW) **PAINT AND STUCCO WASHOUT**

LAST REVISED:	WAL–MART STANDARD DETAIL
JUNE 2013	

NOTES:

1. THE GC SHALL IDENTIFY MASONS' AREA WITH LEGIBLE SIGNAGE ON THE SITE. TO THE EXTENT PRACTICAL, ALL MASONRY TOOLS, MATERIAL, INCLUDING SAND AND SACKED CEMENT AND/OR MORTAR MATERIALS, MIX, AND EQUIPMENT SHALL BE LOCATED WITHIN THE AREA IDENTIFIED. MATERIALS VULNERABLE TO WEATHER ELEMENTS SHALL BE STORED IN CONTAINERS AT THE END OF EACH WORK DAY; SUCH MATERIALS SHALL REMAIN STORED IN CONTAINERS WHEN NOT IN USE.
2. RUNOFF CONTROL, SUCH AS DIVERSION BERMS, SILT FENCE, SILT DIKE, OR OTHER MEANS OF CONTAINMENT SHALL BE PROVIDED TO PREVENT THE MIGRATION OF STORMWATER POLLUTANTS FROM THE MASONS' AREA. COVERED RECEPTACLES FOR DEBRIS AND TRASH DISPOSAL SHALL ALSO BE PROVIDED.
3. THE MASONS' AREA SHALL MEET OSHA AND OTHER REGULATORY REQUIREMENTS FOR PERSONAL PROTECTIVE EQUIPMENT (PPE), FIRE EXTINGUISHERS, ETC. GC SHALL PROVIDE SCREENING OR OTHER TECHNOLOGIES FOR MASONS' AREA TO PREVENT AIRBORNE TRANSPORT OF CEMENT DUST AND OTHER PARTICULATES DUE TO HIGH SPEED WIND OR OTHER CONDITIONS. THE LOCATION OF THE MASONS' AREA SHALL BE SHOWN ON THE SITE MAPS.

(MA) **MASONS' AREA**

LAST REVISED:	WAL–MART STANDARD DETAIL
JUNE 2013	

NOTES:

1. THE GC SHALL IDENTIFY FUELING AREAS WITH LEGIBLE SIGNAGE ON THE SITE. TEMPORARY ON-SITE FUEL TANKS FOR CONSTRUCTION VEHICLES SHALL MEET ALL LOCAL, STATE AND FEDERAL REGULATIONS. ALL TANKS, SINGLE AND DOUBLE WALLED, SHALL BE PROVIDED WITH SECONDARY CONTAINMENT (THAT IS CONTAINMENT EXTERNAL TO AND SEPARATE FROM PRIMARY CONTAINMENT). TANKS SHALL HAVE APPROVED SPILL CONTAINMENT WITH THE CAPACITY REQUIRED BY THE APPLICABLE REGULATIONS. SECONDARY CONTAINMENT SHALL BE CONSTRUCTED OF MATERIALS OF SUFFICIENT THICKNESS, DENSITY, AND COMPOSITION SO AS NOT TO BE STRUCTURALLY WEAKENED AS A RESULT OF CONTACT WITH THE FUEL STORED AND CAPABLE OF CONTAINING DISCHARGED FUEL FOR A PERIOD OF TIME EQUAL TO OR LONGER THAN THE MAXIMUM ANTICIPATED TIME SUFFICIENT TO ALLOW RECOVERY OF DISCHARGED FUEL. IT SHALL BE CAPABLE OF CONTAINING 110% OF THE VOLUME OF THE PRIMARY TANK IF A SINGLE TANK IS USED, OR IN THE CASE OF MULTIPLE TANKS, 150% OF THE LARGEST TANK OR 110% OF THE AGGREGATE, WHICHEVER IS LARGER.
2. THE TANKS SHALL BE IN SOUND CONDITION, FREE OF RUST OR OTHER DAMAGE WHICH MIGHT COMPROMISE CONTAINMENT. FUEL STORAGE AREAS SHALL MEET ALL EPA, OSHA AND OTHER REGULATORY REQUIREMENTS FOR SIGNAGE, FIRE EXTINGUISHERS, ETC. HOSES, VALVES, FITTINGS, CAPS, FILLER NOZZLES, AND ASSOCIATED HARDWARE SHALL BE MAINTAINED IN PROPER WORKING CONDITION AT ALL TIMES. TANKS SHALL BE LOCATED TO MINIMIZE EXPOSURE TO WEATHER AND SURFACE WATER DRAINAGE FEATURES. THE LOCATION OF FUEL TANKS SHALL BE SHOWN ON THE SITE MAPS.
3. A SPILL PREVENTION, CONTROL AND COUNTERMEASURE (SPCC) PLAN MUST BE DEVELOPED IF ABOVEGROUND OIL STORAGE CAPACITY AT THE CONSTRUCTION SITE EXCEEDS 1,320 GALLONS OR AS SPECIFIED BY STATE.
4. CONTAINERS WITH A STORAGE CAPACITY OF 55-GALLONS OR LESS ARE NOT INCLUDED WHEN CALCULATING SITE STORAGE CAPACITY. THE GC SHALL WORK WITH THE CEC TO DEVELOP AND IMPLEMENT A SPCC PLAN IN ACCORDANCE WITH THE OIL POLLUTION PREVENTION REGULATION AT TITLE 40 OF THE CODE OF FEDERAL REGULATIONS, PART 112, (40 CFR 112).

(FPSU) **FUEL AND PETROLEUM STORAGE AND USE**

LAST REVISED:	WAL–MART STANDARD DETAIL
JUNE 2013	

NOTES:

1. THE GC SHALL DESIGNATE AREAS ON THE SITE MAPS FOR EQUIPMENT CLEANING, MAINTENANCE, AND REPAIR. THE GC AND SUBCONTRACTORS SHALL UTILIZE SUCH DESIGNATED AREAS. CLEANING, MAINTENANCE, AND REPAIR AREAS SHALL BE PROTECTED BY A TEMPORARY PERIMETER BERM, SHALL NOT OCCUR WITHIN 150 FEET OF ANY WATERWAY, WATER BODY OR WETLAND, AND SHALL OCCUR IN AREAS LOCATED AS FAR AS PRACTICAL FROM STORM SEWER INLETS. DRIP PANS SHALL BE USED FOR VEHICLE MAINTENANCE ACTIVITIES AND RESULTANT WASTES SHALL BE DISPOSED OF IN ACCORDANCE WITH THE HAZARDOUS MATERIAL MANAGEMENT AND SPILL REPORTING PLAN NOTES INCLUDED ON THIS PLAN SHEET.
2. USE OF DETERGENTS FOR LARGE SCALE WASHING IS PROHIBITED (FOR EXAMPLE, WASHING VEHICLES, BUILDINGS, PAVEMENT SURFACES, ETC.). ALL WASH WATER SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.

(EMA) **EQUIPMENT AND VEHICLE CLEANING AND MAINTENANCE AREAS**

LAST REVISED:	WAL–MART STANDARD DETAIL
JUNE 2013	

NOTES:

1. THIS SECTION INCLUDES THE CONTROLS OF POLLUTANTS OTHER THAN SEDIMENT AND ADDITIONAL REQUIREMENTS OF THE GENERAL PERMIT.

(OPC) **OTHER POLLUTANT CONTROLS**

LAST REVISED:	WAL–MART STANDARD DETAIL
JUNE 2013	

NOTE: UNLESS OTHERWISE NOTED THESE STANDARDS APPLY IN ALL LOCATIONS

EROSION CONTROL DETAILS SHOWN ON THIS SHEET ARE WALMART AND CPH, INC. STANDARD DETAILS

WALMART STORES EAST, LP
2001 SE 10TH STREET
BENTONVILLE, AR
72716-5570
501-273-4000

SITE OPERATOR/GENERAL CONTRACTOR: _____

SUPERINTENDENT: _____

IMPORTANT: GC MUST SIGN ALL PLAN SHEETS AND ANY NEW PLAN SHEETS ISSUED BY THE CEC.

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Designed by:	B.P.C.						
Drawn by:	P.W.R.						
Checked by:	H.L.W						
Approved by:	B.P.C.						
Scale:							
Date:	2/17/15						
Job No.:	W13392.1						
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EROSION AND SEDIMENTATION CONTROL DETAILS

Walmart

STORE NO. 3873-00, ALACHUA (SEC I-75 HWY 441), FLORIDA

Sheet No.
SW-10

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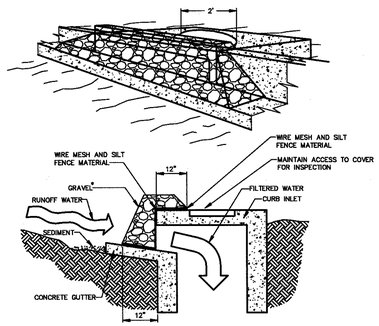


SPECIFIC APPLICATION

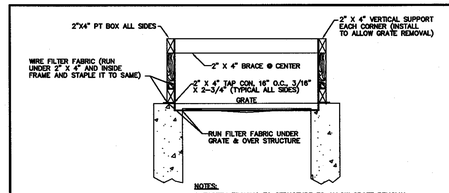
THIS METHOD OF INLET PROTECTION IS APPLICABLE AT CURB INLETS WHERE PONDING IN FRONT OF THE STRUCTURE IS NOT LIKELY TO CAUSE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES AND UNPROTECTED AREAS.

* GRAVEL SHALL BE 3/4"–2" ANGULAR CLEAN STONE

GRAVEL CURB INLET SEDIMENT FILTER (IP5)

N.T.S.

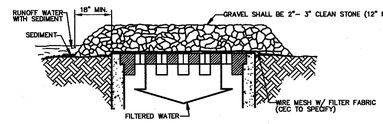
DTGRINSF | 11/01/07 | WALMART DETAIL



NOTES:
1. FASTEN FRAMING TO STRUCTURE TO ALLOW GRATE REMOVAL.
2. LEAVE EXPOSED EDGE TO ALLOW FOR PAVING TO GRADE.

INLET PROTECTION DETAIL (IP2)

CPH DETAIL 10/10/06

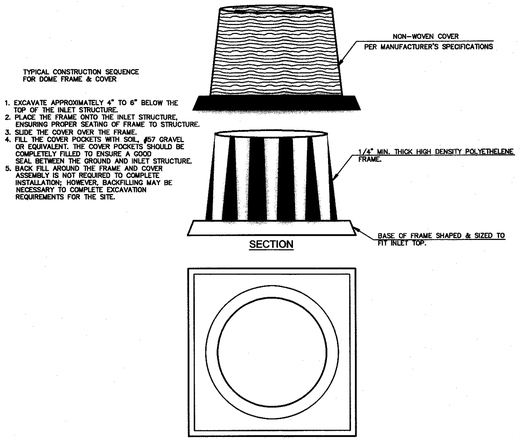


NOTE: THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED, BUT NOT WHERE PONDING AROUND THE STRUCTURE MIGHT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES AND UNPROTECTED ACRES.

GRAVEL AND WIRE MESH INLET SEDIMENT FILTER (IP3)

N.T.S.

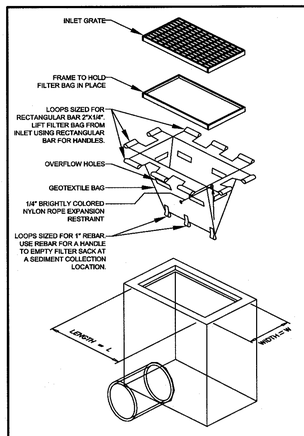
DTGWINSF | 11/01/07 | WALMART DETAIL



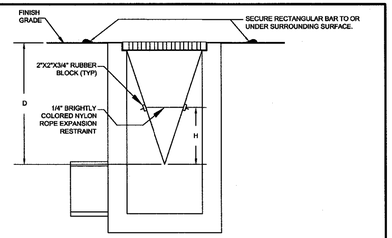
DOMED INLET PROTECTION (PREFABRICATED) (IP7)

N.T.S.

DT–IP7 | 11/01/07 | WALMART DETAIL



ISOMETRIC VIEW



SECTION VIEW
(FILTER SACK INSTALLED)

NOTES:
1. GEOTEXTILE SHALL BE A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS REQUIREMENTS IN THE SPECIFICATIONS TABLE.
2. PLACE AN OIL ABSORBENT PAD OR PILLOW OVER INLET GRATE WHEN OIL SPILLS ARE A CONCERN.
3. THE WIDTH, "W", OF THE FILTER SACK SHALL MATCH THE INSIDE WIDTH OF THE GRATED INLET BOX.
4. THE DEPTH, "D", OF THE FILTER SACK SHALL BE BETWEEN 18 INCHES AND 36 INCHES.
5. THE LENGTH, "L", OF THE FILTER SACK SHALL MATCH THE INSIDE LENGTH OF THE GRATED INLET BOX.

MAINTENANCE NOTES:
1. INLET PROTECTION DEVICES MUST BE INSPECTED FOR SEDIMENT ACCUMULATION WITHIN THE CATCH BASIN. REMOVE TRAPPED SEDIMENT WHEN BRIGHTLY COLORED EXPANSION RESTRAINT CAN NO LONGER BE SEEN.
2. REMOVAL OF SEDIMENT ACCUMULATED IN OR ADJACENT TO A STORM DRAIN INLET MUST BEGIN IMMEDIATELY UPON DISCOVERY, WITH COMPLETION OF THE ACTIVITY OCCURRING NO LATER THAN THE END OF THE FOLLOWING BUSINESS DAY.
3. INLET PROTECTION DEVICES SHALL BE INSPECTED FOR UNINTENDED BYPASS OR IMPROPER FLOW-RATES THAT MAY CAUSE DOWNSTREAM FLOODING.
4. CONTACT THE CEC FOR ALTERNATE INLET PROTECTION IF THE DESIGNED PROTECTION MAY IMPACT DOWNSTREAM BMPS, ADJACENT SLOPES, ETC., DUE TO PONDING ISSUES. ENSURE THAT NO UNDERMINING OF INLET PROTECTION DEVICES HAS OCCURRED.
5. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION.

LOW TO MODERATE FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	300 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20 %
PUNCTURE	ASTM D-4833	120 LBS
MULLEN BURST	ASTM D-3786	800 PSI
TRAPEZOID TEAR	ASTM D-4533	120 LBS
UV RESISTANCE	ASTM D-4355	80 %
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE
FLOW RATE	ASTM D-4491	40 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	0.55 SEC -1

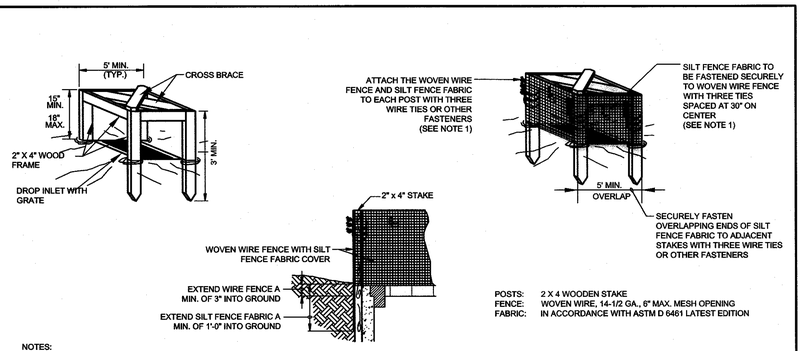
MODERATE TO HIGH FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	265 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20 %
PUNCTURE	ASTM D-4833	135 LBS
MULLEN BURST	ASTM D-3786	420 PSI
TRAPEZOID TEAR	ASTM D-4533	45 LBS
UV RESISTANCE	ASTM D-4355	90 %
APPARENT OPENING SIZE	ASTM D-4751	20 US SIEVE
FLOW RATE	ASTM D-4491	200 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	1.5 SEC -1

INLET PROTECTION FILTER SACK (IP1)

N.T.S.

FOR USE ONLY IN PAVED AREAS WHERE SEDIMENT LOADS ARE EXPECTED TO BE VERY LOW. FILTER SACK MUST HAVE OVERFLOW HOLES TO PREVENT PONDING.

LAST REVISED:	WAL–MART STANDARD DETAIL
APRIL 30, 2011	



POSTS: 2 X 4 WOODEN STAKE
FENCE: WOVEN WIRE, 14-1/2 GA., 6" MAX. MESH OPENING
FABRIC: IN ACCORDANCE WITH ASTM D 6461 LATEST EDITION

NOTES:
1. ATTACH THE WOVEN WIRE FENCE AND THE GEOTEXTILE TO EACH POST (SPACED EVERY 30") WITH THREE WIRE TIES OR OTHER FASTENERS, ALL SPACED WITHIN THE TOP 8" OF THE FABRIC. ATTACH EACH TIE DIAGONALLY 45 DEGREES THROUGH THE FABRIC, WITH EACH PUNCTURE AT LEAST 1" VERTICALLY APART.
2. WHEN TWO SECTIONS OF SILT FENCE FABRIC ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED ACROSS TWO POSTS.
3. MAINTENANCE SHALL BE PERFORMED AS NOTED IN THE SWPPP. DEPTH OF ACCUMULATED SEDIMENTS MAY NOT EXCEED ONE-THIRD THE HEIGHT OF THE FABRIC.
4. ALL SILT FENCE INLET PROTECTIONS SHALL INCLUDE WIRE SUPPORT.

MAINTENANCE NOTES:
1. INLET PROTECTION DEVICES MUST BE INSPECTED FOR SEDIMENT ACCUMULATION WITHIN THE CATCH BASIN (IF USING INSERT-TYPE DEVICE) OR UPGRADIENT OF THE INLET.
2. REMOVAL OF SEDIMENT ACCUMULATED IN OR ADJACENT TO A STORM DRAIN INLET MUST BEGIN IMMEDIATELY UPON DISCOVERY, WITH COMPLETION OF THE ACTIVITY OCCURRING NO LATER THAN THE END OF THE FOLLOWING BUSINESS DAY.
3. INLET PROTECTION DEVICES SHALL BE INSPECTED FOR UNINTENDED BYPASS OR IMPROPER FLOW-RATES THAT MAY CAUSE DOWNSTREAM FLOODING.
4. CONTACT THE CEC FOR ALTERNATE INLET PROTECTION IF THE DESIGNED PROTECTION MAY IMPACT DOWNSTREAM BMPS, ADJACENT SLOPES, ETC., DUE TO PONDING ISSUES. ENSURE THAT NO UNDERMINING OF INLET PROTECTION DEVICES HAS OCCURRED.
5. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION.

SILT FENCE INLET PROTECTION (IP6)

N.T.S.

CPH STANDARD DETAIL

EROSION CONTROL DETAILS SHOWN ON THIS SHEET ARE WAL-MART AND CPH, INC. STANDARD DETAILS.

NOTE: UNLESS OTHERWISE NOTED THESE STANDARDS APPLY IN ALL LOCATIONS

EROSION CONTROL DETAILS SHOWN ON THIS SHEET ARE WALMART AND CPH, INC. STANDARD DETAILS

WALMART STORES EAST, LP
2001 SE 10TH STREET
BENTONVILLE, AR
72716-5570
501-273-4000

SITE OPERATOR/GENERAL CONTRACTOR:

SUPERINTENDENT:

IMPORTANT: GC MUST SIGN ALL PLAN SHEETS AND ANY NEW PLAN SHEETS ISSUED BY THE CEC.

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BRIAN PAUL CASSIDY * LICENSE No. 67373 * STATE OF FLORIDA * ENGINEER

BRIAN P CASSIDY PE 67373

APR 03 2017

No.	Date	Revision	By
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Designed by: B.P.C.
Drawn by: P.W.R.
Checked by: H.L.W
Approved by: B.P.C.
Scale: NONE
Date: 2/17/15
Job No.: W13392.1
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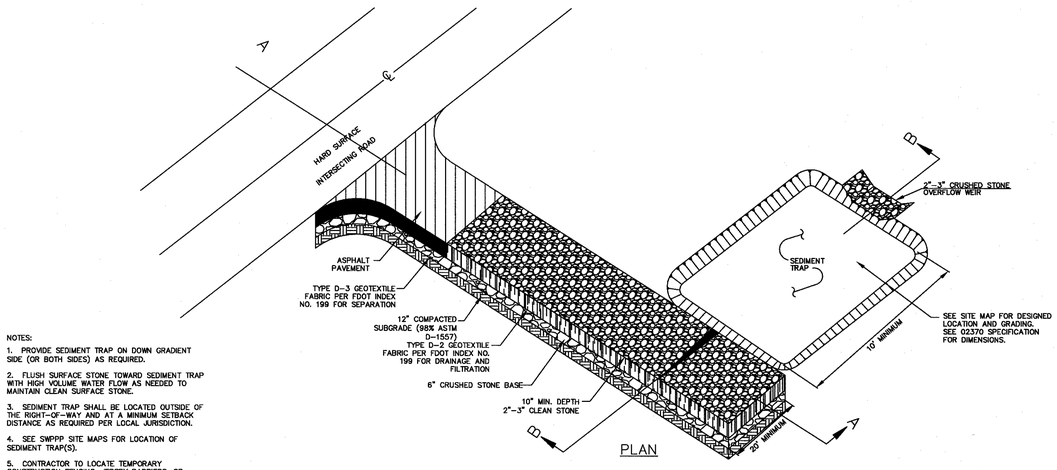
EROSION AND SEDIMENTATION CONTROL DETAILS

Walmart

STORE NO. 3873-00, ALACHUA (SEC I-75 HWY 441), FLORIDA

Sheet No.
SW-11

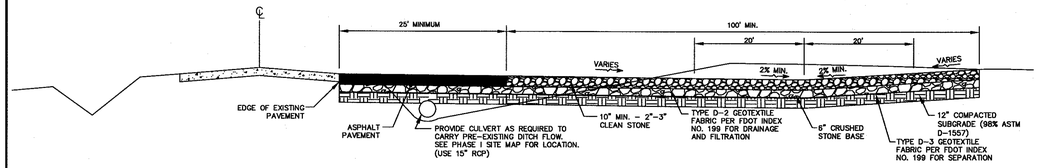
J:\W13392.1\Civil\DWG\Design\W13392.1 - SW-7 - SW-12 ECP Details.dwg Mar 29, 2017 - 8:23am dschneider



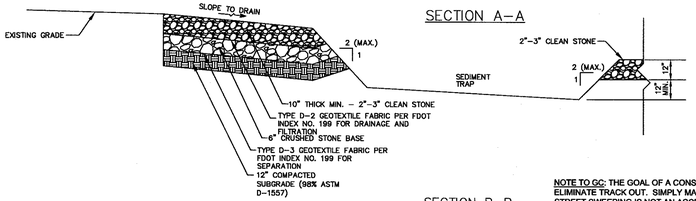
PLAN

NOTES:

1. PROVIDE SEDIMENT TRAP ON DOWN GRADIENT SIDE (OR BOTH SIDES) AS REQUIRED.
2. FLUSH SURFACE STONE TOWARD SEDIMENT TRAP WITH HIGH VOLUME WATER FLOW AS NEEDED TO MAINTAIN CLEAN SURFACE STONE.
3. SEDIMENT TRAP SHALL BE LOCATED OUTSIDE OF THE RIGHT-OF-WAY AND AT A MINIMUM SETBACK DISTANCE AS REQUIRED PER LOCAL JURISDICTION.
4. SEE SWPPP SITE MAPS FOR LOCATION OF SEDIMENT TRAP(S).
5. CONTRACTOR TO LOCATE TEMPORARY CONSTRUCTION FENCING, JERSEY BARRIERS, OR BOTH ALONG THE SIDES OF THE CONSTRUCTION EXIT TO PREVENT CONSTRUCTION TRAFFIC FROM SHORT CIRCUITING/BYPASSING THE EXIT.



SECTION A–A



SECTION B–B

NOTE TO GC: THE GOAL OF A CONSTRUCTION EXIT AND ASSOCIATED WHEEL WASH AREAS IS TO ELIMINATE TRACK OUT. SIMPLY MANAGING TRACK OUT THROUGH DESIGNATED OR CONTINUAL STREET SWEEPING IS NOT AN ACCEPTABLE PRACTICE. WHILE STREET SWEEPING IS AN ACCEPTABLE PRACTICE FOR REMOVING DUST AND MINIMAL AMOUNTS OF FINE SEDIMENT, OBSERVABLE TRACK OUT FROM THE PROJECT SHOULD TRIGGER THE USE OF ADDITIONAL MEASURES (WHEEL WASH), CONSIDERATION OF ALTERNATE EXITS, OR DISCONTINUING VEHICLE TRAFFIC UNTIL CONDITIONS ON-SITE HAVE IMPROVED. TRACK OUT IS A SEDIMENT RELEASE. ALL SEDIMENT RELEASES MUST BE REPORTED TO THE SWCT VIA THE ONLINE CRITICAL INCIDENT REPORT.

LAST REVISED:	WAL–MART STANDARD DETAIL
JUNE 2012	

CE CONSTRUCTION EXIT
N.T.S.

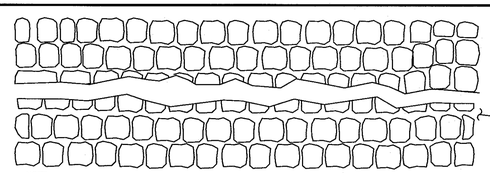
PERFORMANCE STANDARDS:

1. ALL SITE ACCESS MUST BE CONFINED TO THE CONSTRUCTION EXIT(S). BARRICADE TO PREVENT USE OF ANY LOCATIONS OTHER THAN THE CONSTRUCTION EXIT(S) WHERE VEHICLES OR EQUIPMENT MAY ACCESS THE SITE.
2. CONTRACTOR TO LOCATE TEMPORARY CONSTRUCTION FENCING, JERSEY BARRIERS, OR BOTH ALONG THE SIDES OF THE CONSTRUCTION EXIT TO PREVENT CONSTRUCTION TRAFFIC FROM SHORT CIRCUITING/BYPASSING THE EXIT.
3. PROVIDE SEDIMENT TRAP ON DOWN GRADIENT SIDE (OR BOTH SIDES) AS REQUIRED. SEDIMENT TRAP SHALL BE LOCATED OUTSIDE OF THE RIGHT-OF-WAY AND AT A MINIMUM SETBACK DISTANCE AS REQUIRED PER LOCAL JURISDICTION.
4. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION EXIT(S) IS NOT SUFFICIENT TO PREVENT TRACKING OF DIRT, DUST OR MUD, THEN TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. ALL WASH WATER MUST BE ROUTED TO A SEDIMENT TRAP OR OTHER TREATMENT AREA AND SHALL NOT BE DIRECTLY DISCHARGED OFF-SITE.
5. LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE MUST BE INSPECTED FOR EVIDENCE OF SEDIMENT TRACKING BEYOND THE PERMITTED PROJECT AREA. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
6. ANY SEDIMENT DEPOSITED ON THE ROADWAY SHALL BE SWEPT AS NECESSARY (AND WITHIN THE SAME DAY AS DISCOVERY) AND DISPOSED OF IN AN APPROPRIATE MANNER. SEDIMENT SHALL NOT BE WASHED INTO STORM SEWER SYSTEMS.
7. EXIT(S) SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD BEYOND THE EXIT(S). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION EXIT(S) AS CONDITIONS DEMAND.
8. CONTRACTOR SHALL BE PERMITTED TO TURN THE STONE WHEN THE SURFACE BECOMES SMOOTH AND SURFACE VOIDS ARE FILLED TO MAINTAIN EFFECTIVENESS OF CONSTRUCTION EXIT UNTIL SUCH TIME THAT VOIDS BELOW THE SURFACE BECOME FILLED AND THE CONSTRUCTION EXIT IS NO LONGER EFFECTIVE. AT SUCH A TIME THE CONTRACTOR SHALL REMOVE THE INEFFECTIVE STONE AND REPLACE PER DETAIL.
9. IF EXIT BMP IS STILL INEFFECTIVE, GC MUST CONTACT THE ENGINEER AND SUBMIT AN RFI AS NECESSARY.

NOTE TO GC: THE GOAL OF A CONSTRUCTION EXIT AND ASSOCIATED WHEEL WASH AREAS IS TO ELIMINATE TRACK OUT. SIMPLY MANAGING TRACK OUT THROUGH DESIGNATED OR CONTINUAL STREET SWEEPING IS NOT AN ACCEPTABLE PRACTICE. WHILE STREET SWEEPING IS AN ACCEPTABLE PRACTICE FOR REMOVING DUST AND MINIMAL AMOUNTS OF FINE SEDIMENT, OBSERVABLE TRACK OUT FROM THE PROJECT SHOULD TRIGGER THE USE OF ADDITIONAL MEASURES (WHEEL WASH), CONSIDERATION OF ALTERNATE EXITS, OR DISCONTINUING VEHICLE TRAFFIC UNTIL CONDITIONS ON-SITE HAVE IMPROVED. TRACK OUT IS A SEDIMENT RELEASE. ALL SEDIMENT RELEASES MUST BE REPORTED TO THE SWCT VIA THE ONLINE CRITICAL INCIDENT REPORT.

LAST REVISED:	WAL–MART STANDARD DETAIL
JUNE 2013	

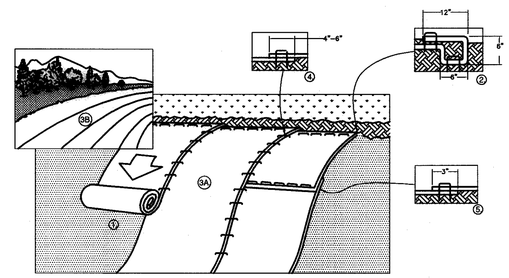
CE CONSTRUCTION EXIT



NOTE:
1. PLACE RIP–RAP AND LEAN GROUT IN ALL AREAS INDICATED ON THE DRAWING. THE STONE SHALL CONSIST OF FIELD STONE OR ROUGH, UNHEWN QUARRY STONE AS NEARLY UNIFORM IN SECTION AS IS PRACTICAL THE STONES SHALL BE DENSE, RESISTANT TO THE ACTION OF AIR AND WATER, AND SUITABLE IN ALL ASPECTS FOR THE PURPOSE INTENDED, UNLESS OTHERWISE SPECIFIED, ALL STONES USED AS RIP–RAP SHALL WEIGH BETWEEN 50–150 POUNDS EACH, AND AT LEAST 60 PERCENT OF THE STONES SHALL WEIGH MORE THAN 100 POUNDS EACH.
2. GRADE SUBGRADE BELOW RIP–RAP PAD SMOOTHLY BEFORE PLACING THE STONES.
3. SEE PLAN FOR DIMENSIONS OF PAD.
4. ALL STONES SHALL BE SPACED 1"–3" APART AND PLACED BY HAND.
5. RIP–RAP SHALL BE GROUTED SUCH THAT NO CAVITY OR VOID SHALL EXIST UNDER THE STONES.

GROUTED RIP–RAP PAD (RR)
N.T.S.

DTRIPRAP	11/01/07	WALMART DETAIL

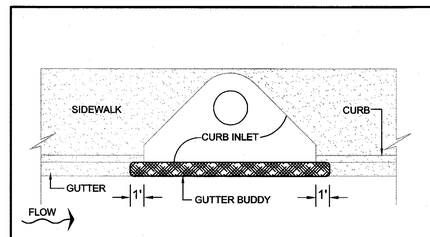


1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP–SLOPE PORTION OF THE TRENCH AS SHOWN IN DETAIL 2. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
3. ROLL THE BLANKETS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS PER MANUFACTURES RECOMMENDATION.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH MINIMUM 6" OVERLAP. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
5. CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET WIDTH.
6. PLACE STAPLES/STAKES PER MANUFACTURER'S RECOMMENDATION FOR THE APPROPRIATE SLOPE BEING APPLIED.

NOTES:
1. IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.
2. FOLLOW EROSION CONTROL TECHNOLOGY COUNCIL SPECIFICATION FOR PRODUCT SELECTION.

EROSION CONTROL BLANKET (SLOPE INSTALLATION) (BLS)
N.T.S.

DT–BLS	11/01/07	WALMART DETAIL



CURB INLET PROTECTION DETAIL (IP1)

CPH DETAIL	11/1/04

NOTES:
1. STORM DRAIN INLET PROTECTION MEASURES SHALL PREVENT SOIL AND DEBRIS FROM ENTERING STORM DRAIN INLETS.
2. TEMPORARY CONTROLS SHALL BE CONSTRUCTED BEFORE THE SURROUNDING AREA IS DISTURBED.
3. TO PREVENT CLOGGING, STORM DRAIN CONTROL STRUCTURES MUST BE MAINTAINED FREQUENTLY.
4. CHECK ALL TEMPORARY CONTROL MEASURES DAILY, AND AFTER EACH STORM EVENT.
5. CONTROL MEASURES MUST BE BUILT PER DETAIL AND PLANS, AND MUST BE IN GOOD WORKING CONDITION AT ALL TIMES.

LAST REVISED:	WAL–MART STANDARD DETAIL
JUNE 2013	

IP1 INLET PROTECTION

NOTE: UNLESS OTHERWISE NOTED THESE STANDARDS APPLY IN ALL LOCATIONS

EROSION CONTROL DETAILS SHOWN ON THIS SHEET ARE WALMART AND CPH, INC. STANDARD DETAILS

WALMART STORES EAST, LP
2001 SE 10TH STREET
BENTONVILLE, AR
72716-5570
501-273-4000

SITE OPERATOR/GENERAL CONTRACTOR:

SUPERINTENDENT:

IMPORTANT: GC MUST SIGN ALL PLAN SHEETS AND ANY NEW PLAN SHEETS ISSUED BY THE CEC.

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• Maryland

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BRIAN P. CASSIDY, P.E. 67373

APR 0 9 2017

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Drawn by:	P.W.R.
Checked by:	H.L.W
Approved by:	B.P.C.
Scale:	NONE
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Arch. Lic. No. AA2600926
Landscp. Lic. No. LC0000298

EROSION AND SEDIMENTATION CONTROL DETAILS

Walmart

STORE NO. 3873-00, ALACHUA (SEC I-75 HWY 441), FLORIDA

Sheet No.
SW-12

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GENERAL SITE NOTES

1. FOR LEGAL DESCRIPTION, BOUNDARY INFO., AND BENCHMARK INFO., SEE SITE SURVEY SHEETS.
2. PRIOR TO ANY CONSTRUCTION, CONTRACTOR SHALL FIELD STAKE ALL CENTERLINE GEOMETRY TO ENSURE PROPOSED DIMENSIONS FIT EXISTING CONDITIONS. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARISE.
3. CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL PROPERTY CORNERS.
4. CONTRACTOR SHALL MATCH PROPOSED CURB AND GUTTER, CONCRETE AND PAVEMENT TO EXISTING IN GRADE AND ALIGNMENT.
5. THE EARTHWORK FOR ALL BUILDING FOUNDATIONS AND SLABS SHALL BE IN ACCORDANCE WITH ARCHITECTURAL BUILDING PLANS AND SPECIFICATIONS.
6. SITEWORK FOR THIS PROJECT SHALL MEET OR EXCEED THE "WAL*MART SITEWORK SPECIFICATIONS".
7. CONTRACTOR IS RESPONSIBLE FOR REPAIRING THE DAMAGE DONE TO ANY EXISTING ITEM DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB, ETC. REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS.
8. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
9. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF VESTIBULES, SLOPE PAVING, SIDEWALKS, EXIT PORCHES, TRUCK DOCKS, PRECISE BUILDING DIMENSIONS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
10. ALL DISTURBED AREAS ARE TO RECEIVE FOUR INCHES OF TOPSOIL, SEED, MULCH AND WATER UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED.
11. ALL ISLANDS WITH CURB & GUTTER SHALL BE LANDSCAPED. THOSE ISLANDS ARE TO HAVE 18" CURB & GUTTER. ALL REMAINING ISLANDS ARE TO BE STRIPED AS SHOWN.
12. ALL CURBED RADII ARE TO BE 10' AND 3' UNLESS OTHERWISE NOTED. STRIPED RADII ARE TO BE 10' AND 3'.
13. ALL DIMENSIONS AND RADII ARE TO THE FACE OF CURB UNLESS NOTED (BOC) WHICH INDICATES BACK OF CURB.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS & POLES, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN BASE BID.
15. SITE BOUNDARY, TOPOGRAPHY, UTILITY AND ROAD INFORMATION TAKEN FROM A SURVEY BY A LAND SURVEYOR.
16. REFER TO ARCH. PLANS FOR SITE LIGHTING AND ELECTRICAL PLANS.
17. ALL PAINT USED FOR PARKING STRIPING SHALL BE ALKYD PETROLEUM BASED PAINT. TWO COATS OF PAINT TO BE USED.
18. STOP BAR STRIPING SHALL BE 2' WIDE WHITE THERMOPLASTIC WITHIN ENTRANCE DRIVES ONLY. ALL OTHER ON-SITE STOP BARS WILL BE 1' WIDE AND PAINTED WHITE.
19. PROPOSED ACCESSIBLE PARKING SIGNS TO BE INSTALLED AS REQUIRED. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING SIGNS NEEDED. ALL ACCESSIBLE SIGNS SHALL BE BUILT INSIDE PIPE BOLLARD PER DETAIL LOCATED ON DETAIL SHEET C-12.
20. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PLACING PEDESTRIAN CROSSING SIGNS AS INDICATED ON PLANS. CONTRACTOR TO VERIFY EXACT NUMBER OF SIGNS REQUIRED. SEE DETAIL SHEET C-15.
21. CONTRACTOR SHALL LOCATE PROPOSED AISLE/ROW SIGNS AS REQUIRED TO ACCOMMODATE PROPOSED LANDSCAPE ISLAND CONSTRUCTION.
22. ALL SIGNS SHALL HAVE 7'-0" MIN. CLEARANCE FROM FINISH GRADE TO BOTTOM OF LOWEST SIGN MOUNTED ON POST.
23. CONTRACTOR SHALL CONSTRUCT AND INSTALL PROPOSED CART CORRALS PER WAL*MART SPECIFICATIONS. PLACEMENT SHALL BE COORDINATED WITH WAL*MART CONSTRUCTION MANAGER.
24. CONTRACTOR SHALL FOLLOW ALL LOCAL, STATE AND FEDERAL REGULATIONS IN DISPOSING OF ALL MATERIALS REMOVED FROM THIS SITE.
25. CONTRACTOR IS TO INSTALL SMOOTH TRANSITIONS BETWEEN CHANGES IN CURB TYPES.
26. THE PROPOSED LANDSCAPE ISLANDS SHALL BE BORDERED WITH "SPILL TYPE" OR "STANDARD" CURB AND GUTTER PER DETAILS ON SHEET C-13.1. ADJUST GUTTER SLOPE AS REQUIRED TO MATCH GRADING INTENT ON PROPOSED ADJACENT PAVEMENT PER SHEET C-7 & C-7A.

GENERAL GRADING NOTES

1. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
2. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL UTILITIES AND NOTIFYING THE APPROPRIATE UTILITY COMPANY PRIOR TO BEGINNING CONSTRUCTION.
3. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING STORM SEWER STRUCTURES, PIPES AND ALL UTILITIES PRIOR TO CONSTRUCTION.
4. CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING STRUCTURES DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURBS, ETC. REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS.
5. EXISTING GRADE CONTOURS ARE SHOWN AT ONE FOOT (1') INTERVALS.
6. FINISHED GRADE CONTOURS ARE SHOWN AT ONE FOOT (1') INTERVALS.
7. CONSTRUCTION SHALL COMPLY WITH ALL GOVERNING CODES AND BE CONSTRUCTED TO SAME.
8. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/ OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
9. SITEWORK SHALL MEET OR EXCEED WAL*MART SITE SPECIFICATIONS.
10. PRE-CAST STRUCTURES MAY BE USED AT CONTRACTOR'S OPTION.
11. STORM PIPE ACCEPTABLE FOR USE: (REFER TO WAL-MART SITEWORK SPECIFICATIONS FOR FURTHER INFORMATION)
    A. RCP, CLASS III PER ASTM C-76 (UNLESS NOTED OTHERWISE.)
    B. CORRUGATED POLYETHYLENE PIPE (CPP) SHALL BE SMOOTH INTERIOR WITH AN H20 LIVE LOAD RATING & CONFORM WITH AASHTO DESIGNAT -ION M252 AND M294. ACCEPTABLE MANUFACTURERS: ADVANCED DRAINAGE SYSTEMS, INC. "ADS N-12", HANCOR, INC. "HI-Q", OR APPROVED EQUAL.
    C. FOR ROOF DRAIN COLLECTOR SYSTEM N-12 HDPE PIPE (CPP) MAY BE USED. THE N-12 WATERTIGHT COUPLING, MEETING ASTM D3212 IS REQUIRED AT ALL JOINTS. FOR ROOF DRAIN COLLECTOR SYSTEM CONTECH A-2000 PVC PIPE MAY BE USED.
    D. ALL STORM SEWER PIPE JOINTS AND GROUTED CONNECTIONS TO STRUCTURES SHALL BE WRAPPED WITH FILTER FABRIC PER FDOT INDEX NO. 280 (SHEET 1 OF 4) AND 201 (SHEET 2 OF 6).
12. ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT.
13. ALL STORM STRUCTURES SHALL HAVE A SMOOTH UNIFORM POURED MORTAR INVERT FROM INVERT IN TO INVERT OUT.
14. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING RING & COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 6" ABOVE FINISH GRADE. LIDS SHALL BE LABELED "STORM SEWER".
15. ALL CONCRETE TO HAVE A MINIMUM 28 DAY COMPRESSION STRENGTH OF 3000 P.S.I. UNLESS OTHERWISE NOTED.
16. EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIRED AS NEEDED AND EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS. ALL INSTALLED STRUCTURES SHALL BE CLEARED OF SILT AND DEBRIS PRIOR TO PROJECT CLOSE-OUT.
17. ALL EROSION CONTROL MEASURES MUST BE INSTALLED PRIOR TO ANY LAND DISTURBANCE ACTIVITIES.
18. THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUT-LINED IN THE GENERAL N.P.D.E.S. PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
19. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
20. TOPOGRAPHIC INFORMATION TAKEN FROM A TOPOGRAPHIC SURVEY BY CPH ENGINEERS, INC.. IF CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, HE SHALL HAVE MADE, AT HIS EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR AND SUBMIT IT TO THE OWNER FOR REVIEW.
21. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
22. CONTRACTOR SHALL MAINTAIN ALL EXISTING PARKING, SIDEWALK, DRIVES, ETC. CLEAR AND FREE FROM ANY CONSTRUCTION ACTIVITY AND/OR MATERIAL TO ENSURE EASY AND SAFE PEDESTRIAN AND VEHICULAR TRAFFIC.
23. CONTRACTOR SHALL COORDINATE PROPOSED UTILITY CONSTRUCTION WITH ALL UTILITY PROVIDERS TO ALLOW THEM TO WITNESS THE CONSTRUCTION AND ENSURE THEIR PARTICULAR UTILITY LINES ARE PROTECTED..
24. CONTRACTOR MUST STOP OPERATION AND NOTIFY THE OWNER FOR PROPER DIRECTION IF ANY ENVIRONMENTAL OR HEALTH RELATED CONTAMINATE IS ENCOUNTERED DURING EXCAVATION/CONSTRUCTION.
25. REFER TO LANDSCAPE PLAN & GRADING PLAN FOR TREE PROTECTION AND GRADING METHODS ADJACENT TO TREES.
26. ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES 3H:1V OR STEEPER. CONTRACTOR SHALL GRASS DISTURBED AREAS IN ACCORDANCE WITH AGENCY SPECIFICATIONS AND WATER UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.
27. ALL CUT OR FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.
28. THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE EPA OR APPLICABLE STATE GENERAL N.P.D.E.S. PERMIT FOR STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES AND THE WALMART SPECIAL CONDITIONS, SECTION 6, ENVIRONMENTAL COMPLIANCE AND STORM WATER POLLUTION PREVENTION. THIS APPLIES TO WALMART BUILT PROJECTS ONLY.

GENERAL UTILITY NOTES:

1. SEE COVER SHEET FOR A LIST OF UTILITY COMPANIES.
2. GENERAL CONTRACTOR IS TO COORDINATE WITH APPROPRIATE UTILITY COMPANIES PRIOR TO CONSTRUCTION, ADJUSTMENT OR RELOCATION OF EXISTING UTILITIES AS DESIGNATED ON PLANS.
3. THE CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITY INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE.
4. DRAWINGS DO NOT PURPORT TO SHOW ALL EXISTING UTILITIES. EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO NEW UTILITY LINES BEING INSTALLED.
5. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/ OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
6. CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING UTILITY DURING CONSTRUCTION AT NO COST TO THE OWNER.
7. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ACTUAL LOCATION OF ALL UTILITY ENTRANCES TO INCLUDE SANITARY SEWER LATERALS, DOMESTIC AND FIRE PROTECTION WATER SERVICE, ELECTRICAL, TELEPHONE AND GAS SERVICE. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES, IN SUCH A MANNER AS TO AVOID CONFLICT AND ASSURE PROPER DEPTHS ARE ACHIEVED AS WELL AS COORDINATING WITH UTILITY REQUIREMENTS AS TO LOCATION AND SCHEDULING FOR TIE-INS/CONNECTIONS PRIOR TO CONNECTING TO EXISTING UTILITIES.
8. ALL CLEAN-OUTS WITHIN THE PAVEMENT AREA SHALL BE INSTALLED WITH TRAFFIC BEARING PARTS AS APPLICABLE.
9. ON-SITE SANITARY SEWER PIPE AND MANHOLE SHALL BE AS FOLLOWS:
    A. PVC SEWER PIPE SHALL BE TYPE PSM PVC PIPE CONFORMING TO ASTM D3034 AND SHALL BE SDR 35 FOR 4" THROUGH 15", AND ASTM F 679, WALL THICKNESS T-1, FOR PIPE 18" THROUGH 27".
       DEPTH OF SANITARY SEWER THE FOLLOWING PIPE MATERIAL SHALL BE USED:
       0' - 14' DEPTH: SDR 35 PVC
       >14' - 20' DEPTH: SDR 26 PVC
       > 20' DEPTH: EPOXY LINED D.I. PIPE C-350
    B. ALL MANHOLES SHALL BE PRECAST CONSTRUCTION. THE MINIMUM DIAMETER OF MANHOLES SHALL BE 48" FOR SEWER LINES 21" IN DIAMETER OR LESS. INTEGRALLY CAST STEPS WITHIN PRECAST STRUCTURES ARE NOT ALLOWED.
       DEPTH OF SANITARY SEWER MANHOLE THE FOLLOWING MANHOLE DIAMETER SHALL BE USED:
       0' - 20' DEPTH: 48" DIAMETER
       >20' DEPTH: 72" DIAMETER
    C. FRAMES AND COVERS SHALL BE GREY IRON PER ASTM A48, CLASS 30B AND SHALL BE US FOUNDRY TYPE 227AS, TRAFFIC BEARING (AASHTO H-20 LOADING), UNLESS OTHERWISE NOTED IN THE DRAWINGS.
10. ON-SITE WATERLINES SHALL BE AS FOLLOWS:
    A. BURIED DUCTILE IRON PIPE SHALL CONFORM WITH ANSI/AWWA C150/A21.50 AND C151/A21.51, AND SHALL HAVE A MINIMUM WORKING PRESSURE OF 150 PSI. BURIED PIPE SHALL COMPLY WITH THE FOLLOWING PRESSURE CLASS (PC) DESIGNATIONS UNLESS OTHERWISE INDICATED ON THE DRAWINGS: A) 12" DIAMETER AND SMALLER = PC 350; B) 14" THROUGH 20" DIAMETER = PC 250; C) 24" THROUGH 64" DIAMETER = PC 200.
    B. EXPOSED PIPE SHALL BE DUCTILE IRON FLANGED AND SHALL CONFORM WITH AWWA/ANSI C115/A21.15, AND SHALL HAVE A MINIMUM WORKING PRESSURE OF 150 PSI. FLANGED PIPE SHALL COMPLY WITH THE FOLLOWING THICKNESS CLASS (TC) DESIGNATIONS UNLESS OTHERWISE INDICATED ON THE DRAWINGS: A) 3" DIAMETER AND SMALLER = TC 55; B) 4" DIAMETER = TC 54; C) 6" THROUGH 24" DIAMETER = TC 53.
    C. PVC PIPE 4" - 12" SHALL CONFORM TO AWWA C900. PIPE 14" - 36" SHALL CONFORM TO AWWA C905. PIPE SHALL CONFORM TO ASTM D1784, TYPE I, GRADE 1, 4000 PSI DESIGN STRESS, AND SHALL BE NATIONAL SANITATION FEDERATION (NSF) APPROVED. PIPE SHALL BE CLASS 150 (DR18) WITH MARKINGS ON EACH SECTION SHOWING
    D. ALL SERVICE PIPING (1" -3") SHALL BE SCHEDULE 40 PVC. ALL PIPE FITTINGS SHALL BE SCHEDULE 80 AND SHALL BE SOLVENT WELDED USING OATEY NO. 30707 PURPLE PRIMER AND OATEY NO. 30893 MEDIUM PVC CEMENT.
11. ALL CONCRETE FOR ENCASEMENT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 P.S.I. AT 28 DAYS.
12. CONTRACTOR SHALL PROVIDE ALL APPURTENANCES SUCH AS CHECK VALVES, BACKFLOW PREVENTERS, ETC., AS REQUIRED BY GOVERNING AUTHORITIES.
13. ALL WATER LINES SHALL HAVE A MINIMUM OF 3' OF COVER.
14. YARD HYDRANTS, FIRE HYDRANTS OR BACKFLOW PREVENTERS INSTALLED WITHIN 3' OF THE BACK OF CURB SHALL BE PROTECTED WITH A GUARD POST.
15. CONTRACTOR SHALL COORDINATE INSPECTION ON ALL UTILITIES, WITH APPROPRIATE AUTHORITIES PRIOR TO COVERING TRENCHES DURING INSTALLATION.
16. CONTRACTOR IS RESPONSIBLE FOR COMPLYING TO THE SPECIFICATIONS OF THE LOCAL AUTHORITIES WITH REGARDS TO MATERIALS AND INSTALLATION OF THE WATER AND SEWER LINES.
17. THE CONTRACTOR SHALL CONDUCT ALL REQUIRED TESTS TO THE SATISFACTION OF THE RESPECTIVE UTILITY COMPANIES AND THE OWNER'S INSPECTING AUTHORITIES.
18. ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICES.
19. SEE SPECIFICATIONS FOR BACK FILLING AND COMPACTION REQUIREMENTS ON UTILITY TRENCHES.
20. CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING AND OTHER MEANS OF PROTECTION. THIS TO INCLUDE BUT NOT BE LIMITED, FOR ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE TO COMPLY WITH PERFORMANCE CRITERIA FOR OSHA, INCLUDING THE FLORIDA TRENCH SAFETY ACT (90-96, LAWS OF FLORIDA).
21. ALL FILL MATERIAL IS TO BE IN PLACE AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
22. CONTRACTOR IS RESPONSIBLE FOR PROVIDING TRENCH, BEDDING, CONDUIT, PULL WIRES, BACKFILLING AND COMPACTION FOR TELEPHONE AND ELECTRICAL LINES.
23. CONTRACTOR TO LOCATE LIGHT POLES AND FIXTURES AS INDICATED. CONTRACTOR TO BUILD NEW POLE BASE AND STUB CONDUIT AND WIRE AS NEEDED.
24. REFER TO ARCHITECTURAL PLANS FOR SITE LIGHTING ELECTRICAL PLAN.
25. MINIMUM TRENCH WIDTH SHALL BE 2 FEET.
26. LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
27. TOPS OF EXISTING MANHOLES SHALL BE ADJUSTED AS NECESSARY TO BE FLUSH WITH PROPOSED PAVEMENT ELEVATIONS, AND TO BE ONE FOOT ABOVE FINISHED GROUND ELEVATIONS WITH WATER TIGHT LIDS.
28. EXISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES.
29. REFER TO INTERIOR PLUMBING DRAWINGS FOR TIE-IN OF ALL UTILITIES.
30. CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
31. CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES. THIS AND THE FINAL CONNECTIONS OF THE SERVICE SHALL BE COMPLETED 30 DAYS PRIOR TO STORE POSSESSION.

FOUNDATION SUBSURFACE PREPARATION

INITIAL FOUNDATION SUBSURFACE PREPARATION
WAL-MART STORE NO. 3873-00
ALACHUA, ALACHUA COUNTY, FLORIDA

UNLESS SPECIFICALLY INDICATED OTHERWISE IN THE DRAWINGS AND/OR SPECIFICATIONS, THE LIMITS OF THIS SUBSURFACE PREPARATION ARE CONSIDERED TO BE THAT PORTION OF THE SITE DIRECTLY BENEATH AND 5 FEET BEYOND THE BUILDING FOOTPRINT AND APPURTENANCES. APPURTENANCES ARE THOSE ITEMS ATTACHED TO THE BUILDINGS PROPER (REFER TO DRAWING SHEET SP1), TYPICALLY INCLUDING, BUT NOT LIMITED TO, THE BUILDING SIDEWALKS, GARDEN CENTER, PORCHES, RAMPS, STOOPS, TRUCK WELLS/DOCKS, CONCRETE APRONS AT THE AUTOMOTIVE CENTER, COMPACTOR PAD, ETC. THE BASE AND VAPOR BARRIER, WHERE REQUIRED, DO NOT EXTEND BEYOND THE LIMITS OF THE ACTUAL BUILDING AND APPURTENANCES.

ESTABLISH THE FINAL SUBGRADE ELEVATION TO ALLOW FOR THE CONCRETE SLAB AND BASE. REFERENCE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR REQUIRED SLAB THICKNESS. THE 4-INCH THICK BASE MATERIAL SHALL CONSIST OF FDOT LIMEROCK MATERIAL, WITH AT LEAST 97% (BY WEIGHT) PASSING A 3.5 INCH SIEVE AND THE MATERIAL SHALL BE GRADED UNIFORMLY DOWN TO DUST. THE FINE MATERIAL SHALL CONSIST ENTIRELY OF DUST OF FRACTURE. THE LIMEROCK SHALL HAVE A LIMEROCK BEARING RATIO (LBR) OF AT LEAST 100 AND NO MORE THAN 20% FINES WHEN WASHED THROUGH A NO. 200 SIEVE. THE FLOOR SLAB BEARING SOILS SHALL BE COVERED BY A LAPPED VAPOR RETARDER OF AT LEAST 15-MIL THICKNESS, CONFORMING TO ASTM E 1745, CLASS A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ACCURATE MEASUREMENTS TO CUT AND FILL DEPTHS REQUIRED. ANY PROPOSED EQUIVALENT ALTERNATIVE BASE MATERIAL MUST BE SUBMITTED FOR APPROVAL WITHIN 30 DAYS AFTER AWARD OF CONTRACT. ANY EQUIVALENT ALTERNATIVE SHALL ONLY BE USED IF APPROVED BY THE CEC AND AOR.

EXISTING FOUNDATIONS, SLABS, PAVEMENTS, AND BELOW-GRADE STRUCTURES SHALL BE REMOVED FROM THE BUILDING AREA. REMOVE SURFACE VEGETATION, TOPSOIL, ROOT SYSTEMS, ORGANIC MATERIAL, EXISTING FILL, AND SOFT OR OTHERWISE UNSUITABLE MATERIAL FROM THE BUILDING AREA. OVER-EXCAVATE THE BUILDING PAD INCLUDING APPLICABLE MARGINS BEYOND TO ELEVATION +111.5 FOR EXPANSIVE CLAY REMOVAL PROOF ROLL EXPOSED SUBGRADE. REMOVE AND REPLACE UNSUITABLE AREAS WITH SUITABLE MATERIAL. THE OVER-EXCAVATED AREAS SHALL BE BACKFILLED WITH A COMPACTED, LOW PERMEABILITY, NON PLASTIC ENGINEERED FILL MATERIAL, AND SHALL CONSIST OF SILTY SAND OR CLAYEY SAND WITH BETWEEN10% TO 25% MATERIAL PASSING THE NO. 200 SIEVE, A LIQUID LIMIT (LL) VALUE LESS THAN 30 AND A PASTICITY INDEX (PI) LESS THAN 15.

SUBGRADE MATERIAL SHALL BE PLACED IN LOOSE LIFTS NOT EXCEEDING 12 INCHES IN THICKNESS AND COMPACTED TO AT LEAST 95 PERCENT OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D_1557) AT A MOISTURE CONTENT WITHIN 2 PERCENT BELOW TO 2 PERCENT ABOVE THE OPTIMUM.

PERCHED SURFACE AND GROUNDWATER MAY OCCUR IN SOME AREAS OF THE SITE AND SURFACE AND SHALLOW GROUNDWATER CONTROL SHOULD BE ANTICIPATED, PARTICULARLY IN LOW AREAS, OR AREAS THAT ARE DEEPLY STRIPPED OR UNDERCUT. SHALLOW GROUNDWATER MAINTENANCE TYPICALLY CONSISTS OF PUMPING FROM SUMPS IN PERIMETER DITCHES OR PITS AND DRAINAGE SWALES/UNDERDRAIN SYSTEM PLANNED TO INTERCEPT AND EVACUATE STORMWATER RUNOFF BEFORE IT TRAVELS TO EXCAVATED AREAS. GROUNDWATER CONTROL IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

THE BEARING LEVEL SOILS SHUOLD BE DENSIFIED TO AT LEAST 95 PERCENT OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D-1557) TO A DEPTH OF AT LEAST FIVE FEET BELOW THE BEARING LEVELS.

THE FOUNDATION SYSTEM SHALL BE ISOLATED SPREAD FOOTINGS AT COLUMNS AND CONTINUOUS STRIP FOOTINGS AT WALLS.

THIS FOUNDATION SUBSURFACE PREPARATION DOES NOT CONSTITUTE A COMPLETE SITE WORK SPECIFICATION. IN CASE OF CONFLICT, INFORMATION COVERED IN THIS PREPARATION SHALL TAKE PRECEDENCE OVER THE WALMART SPECIFICATIONS. REFER TO THE SPECIFICATIONS FOR SPECIFIC INFORMATION NOT COVERED IN THIS PREPARATION. THIS INFORMATION WAS TAKEN FROM A GEOTECHNICAL REPORT PREPARED BY UNIVERSAL ENGINEERING SCIENCES, INC., UES PROJECT NO. 0795.1000100.0000, REPORT NO: 1211903. THE GEOTECHNICAL REPORT IS FOR INFORMATION ONLY AND IS NOT A CONSTRUCTION SPECIFICATION.

AN E_MAIL ADDRESS FOR THE GEOTECHNICAL ENGINEER, EDUARDO SUAREZ, P.E.:
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BRIAN P. CASSIDY LICENSE No. 67373 STATE OF FLORIDA PROFESSIONAL ENGINEER
BRIAN P. CASSIDY, P.E. 67373
APR 0 3 2017

No.	Date	Revision	By

Designed by: B.P.C.
Drawn by: P.W.R.
Checked by: H.L.W
Approved by: B.P.C.
Scale: NONE
Date: 2/17/16
Job No.: W13392.1

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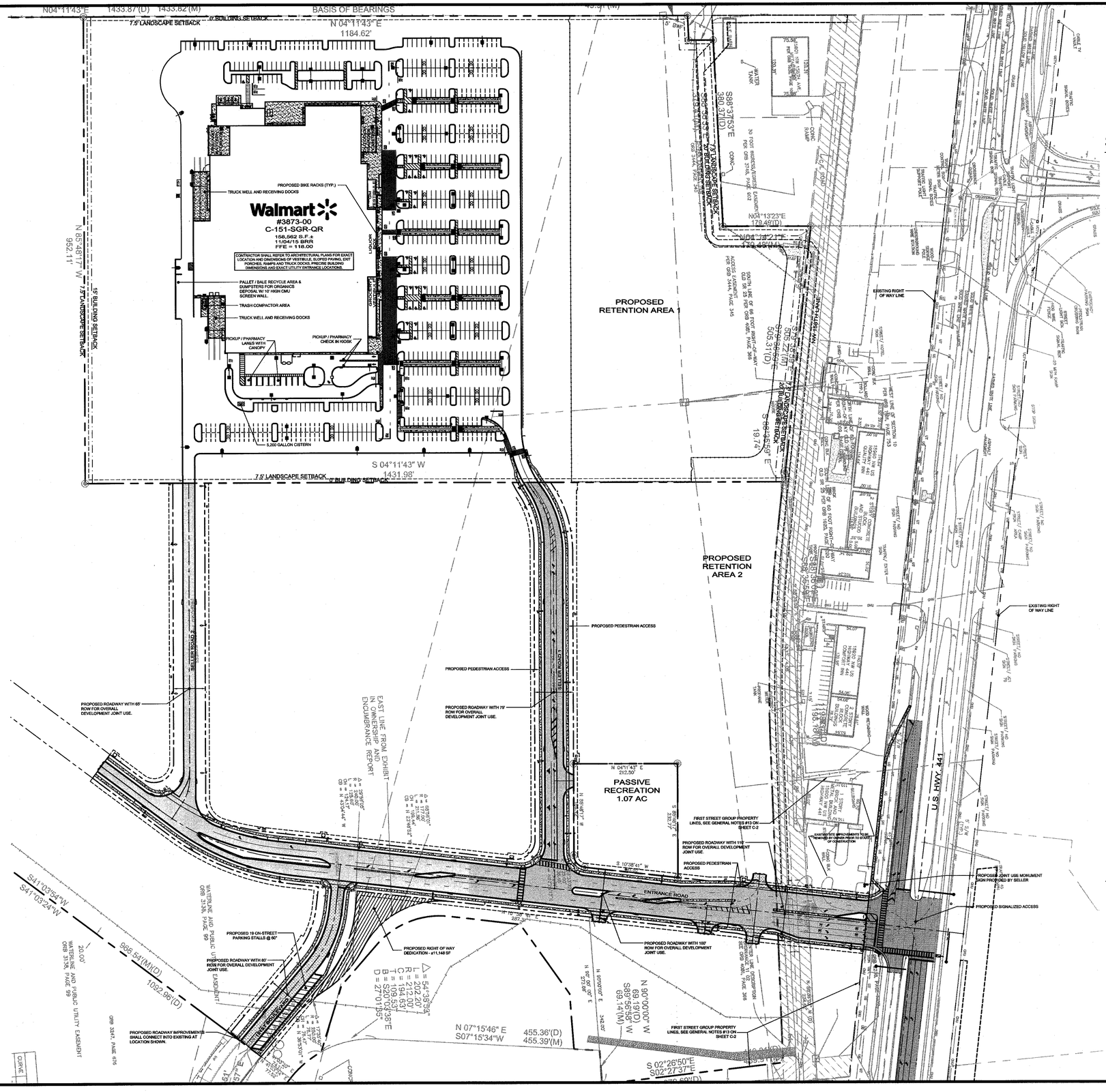
SITE SPECIFIC NOTES SHEET

Walmart

STORE NO. 3873-00, ALACHUA (SEC I-75 HWY 441), FLORIDA

Sheet No.
C-5



SITE DATA

TAX PARCEL ID NO.: 03869-013-000 (WALMART PARCEL)
03869-000-000 (FIRST STREET GROUP)
03066-000-000 (FIRST STREET GROUP)
03869-014-000 (PASSIVE RECREATION)

PROJECT USE: WALMART RETAIL STORE

PROJECT DESCRIPTION: CONSTRUCTION OF WAL-MART RETAIL STORE (GROCERY AND GENERAL MERCHANDISE), DRIVE THROUGH PHARMACY AND GARDEN CENTER, ASSOCIATED PARKING, STORMWATER MANAGEMENT & REQUIRED INFRASTRUCTURE. CONSTRUCTION OF ACESS ROADWAY AND UTILITY INFRASTRUCTURE.

ZONING INFORMATION

ZONED: (CI) COMMERCIAL INTENSIVE

LAND COVERAGE SUMMARY

	SITE AREA
WAL-MART TRACT:	1,315,094.54 S.F.± (30.19 ACs)
CROSS ACCESS ROAD ROW:	277,578.66 S.F.± (6.38 ACs)
PASSIVE RECREATION:	46,809.69 S.F.± (1.07 ACs)
SUB TOTAL:	1,639,482.89 S.F.± (37.64 ACs)
SELLER RETAINED PARCEL A:	323,230.81 S.F.± (7.42 ACs)
SELLER RETAINED PARCEL B:	491,554.17 S.F.± (11.29 ACs)
SELLER RETAINED PARCEL C:	1,059,244.60 S.F.± (24.32 ACs)
SELLER RETAINED PARCEL D:	290,755.80 S.F.± (6.67 ACs)
SELLER SUB TOTAL:	2,164,885.38 S.F.± (49.70 ACs)
TOTAL SITE:	3,804,368.27 S.F.± (87.34 ACs)

LAND COVERAGE SUMMARY

	SITE AREA	OPEN SPACE AREA	IMPERVIOUS AREA
WAL-MART TRACT:	1,315,094.54 S.F.± (30.19 ACs)	768,973.19 S.F.± (17.65 ACs) = 58.46%	546,121.35 S.F.± (12.54 ACs) = 41.54%
PASSIVE RECREATION:	46,809.69 S.F.± (1.07 ACs)	46,809.69 S.F.± (1.07 ACs) = 100.00%	0.00 S.F.± (0.00 ACs) = 0.0%
CROSS ACCESS ROAD ROW:	277,578.66 S.F.± (6.38 ACs)	38,563.96 S.F.± (0.89 ACs) = 13.95%	239,014.70 S.F.± (5.49 ACs) = 86.05%
SUB TOTAL:	1,639,482.89 S.F.± (37.64 ACs)	831,461.44 S.F.± (19.09 ACs) = 50.71%	808,021.45 S.F.± (18.55 ACs) = 49.29%
OFFSITE ROADWAY ROW	13,030.85 S.F.± (0.30 ACs)	3,767.85 S.F.± (0.09ACs) = 29%	9,263 S.F.± (0.21 ACs) = 71%
TOTAL:	1,652,513.74 S.F.± (37.94 ACs)	835,229.29 S.F.± (19.18 ACs) = 50.54%	817,284.45 S.F.± (18.76 ACs) = 49.46%

BUILDING INFORMATION

BUILDING SETBACKS:

REQUIRED:		PROPOSED:	
FRONT:	20'	FRONT:	707.38'
SIDE (EAST):	0'	SIDE (EAST):	265.05'
SIDE (WEST):	0'	SIDE (WEST):	181.01'
REAR:	15'	REAR:	223.33'

WAL-MART:
PROPOSED WAL-MART SUPERCENTER BUILDING AREA: 158,562 S.F.±
PROPOSED SEASONAL GARDEN CENTER: 2,835 S.F.±
TOTAL WAL-MART BUILDING AREA: 161,397 S.F.±
FLOOR AREA RATIO: 0.12
MAX. BUILDING HEIGHT: 30'-6"

LANDSCAPE INFORMATION

LANDSCAPE SETBACKS:

REQUIRED:	
FRONT:	7.5'
SIDE (EAST):	0'
SIDE (WEST):	0'
REAR:	7.5'

PARKING INFORMATION:

CITY OF ALACHUA PARKING REQUIREMENTS:
1 SPACE PER 305 S.F. OF TOTAL GROSS FLOOR AREA

WAL-MART: 158,562 S.F. / 305 S.F. = 520 SPACES REQUIRED

CITY OF ALACHUA MAXIMUM PARKING ALLOWED PER LDR:
25% INCREASE OVER REQUIRED

WAL-MART: 520 SPACES REQ'D X 1.25 = 650 SPACES MAX.

OFFSTREET PARKING LOCATION (NO MORE THAN 50% LOCATED BETWEEN BUILDING AND STREET FRONTAGE):

REQUIRED PARKING = 520 SPACES

50% REQUIRED PARKING = 260 SPACES

PROPOSED FRONT PARKING = 275 SPACES

PROPOSED PARKING PROVIDED:

WAL-MART: 620 SP. (32 SP. FOR CARTS EXCLUDED)

WALMART PARKING RATIO = 3.91 SPACES PER 1,000 S.F.
(28 SP. FOR CARTS EXCLUDED)
OR 1 SPACE PER 256 S.F. BUILDING AREA
BASED ON GROSS FLOOR AREA OF 158,562 S.F.

CITY OF ALACHUA ADA PARKING:

REQUIRED:
501 TO 1,000 SPACES PROVIDED = 2% OF TOTAL

PROVIDED:
620 SPACES X 2% = 13 SPACES REQUIRED
WAL-MART REQUIREMENT:
2% + 2 ADDITIONAL SPACES OF REGULAR PARKING PROVIDED FOR MEDIAN AGE LESS THAN 40 YEARS.

MEDIAN AGE: 37.1 YEARS
REQUIRED: 15 SPACES
PROVIDED: 24 SPACES

BICYCLE PARKING REQUIRED:
1 SPACE PER 10 REQUIRED PARKING SPACES
520 REQUIRED PARKING SPACES / 10 = 52 SPACES
PROVIDED: 115 SP. ON-SITE

SPECIAL EXCEPTIONS REQUESTED:
1. BUILDINGS GREATER THAN 80,000 SF
2. AUTOMOBILE REPAIR & SERVICING

LEGEND

PAVEMENT LEGEND

- * HEAVY DUTY CONCRETE (WAL-MART ON-SITE ONLY)
- * HEAVY DUTY ASPHALT OR * HEAVY DUTY CONCRETE (WAL-MART ON-SITE ONLY)
- * STANDARD DUTY ASPHALT OR * STANDARD DUTY CONCRETE (WAL-MART ON-SITE ONLY)
- * LIGHT DUTY PERVIOUS CONCRETE (WAL-MART ON-SITE ONLY)
- CONCRETE PER ARCH. SPECIFICATIONS. REFER TO ARCH. PLANS. (WAL-MART ON-SITE ONLY)
- * HEAVY DUTY ASPHALT - OFF-SITE ROADWAY (PER WAL-MART PAVEMENT SPECIFICATIONS)
- * LIGHT DUTY ASPHALT - OFF-SITE ROADWAY (PER WAL-MART PAVEMENT SPECIFICATIONS)
- S.R. 441 (PAVEMENT SECTION TO MEET OR EXCEED FDOT SPECIFICATIONS)
- STAMPED CONCRETE CROSSWALK (ADA CROSSWALK WITH DECORATIVE STAMPED CONCRETE. IMPRINTED CONCRETE PAVEMENT @ 4,000 PSI PER BOMANITE OR APPROVED EQUAL. RUNNING BOND SANDBLAST LIMESTONE PATTERN PER MANUFACTURER'S SPECIFICATIONS. COLOR TO BE DETERMINED.)

* NOTE: SEE SHEET C-13.1 FOR PAVEMENT MATERIALS.

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BRIANT CASSIDY, P.E. 67373

APR 03 2017

No.	Date	Revision	By
1			
2			
3			
4			
5			
6			

Designed by:	B.P.C.	1				
Drawn by:	P.W.R.	2				
Checked by:	H.L.W	3				
Approved by:	B.P.C.	4				
Scale:	1"=100'	5				
Date:	2/17/15	6				
Job No.:	W13392.1					

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OVERALL SITE PLAN

Walmart

STORE NO. 3873-00, ALACHUA (SEC I-75 HWY 441), FLORIDA

Sheet No.
C-6

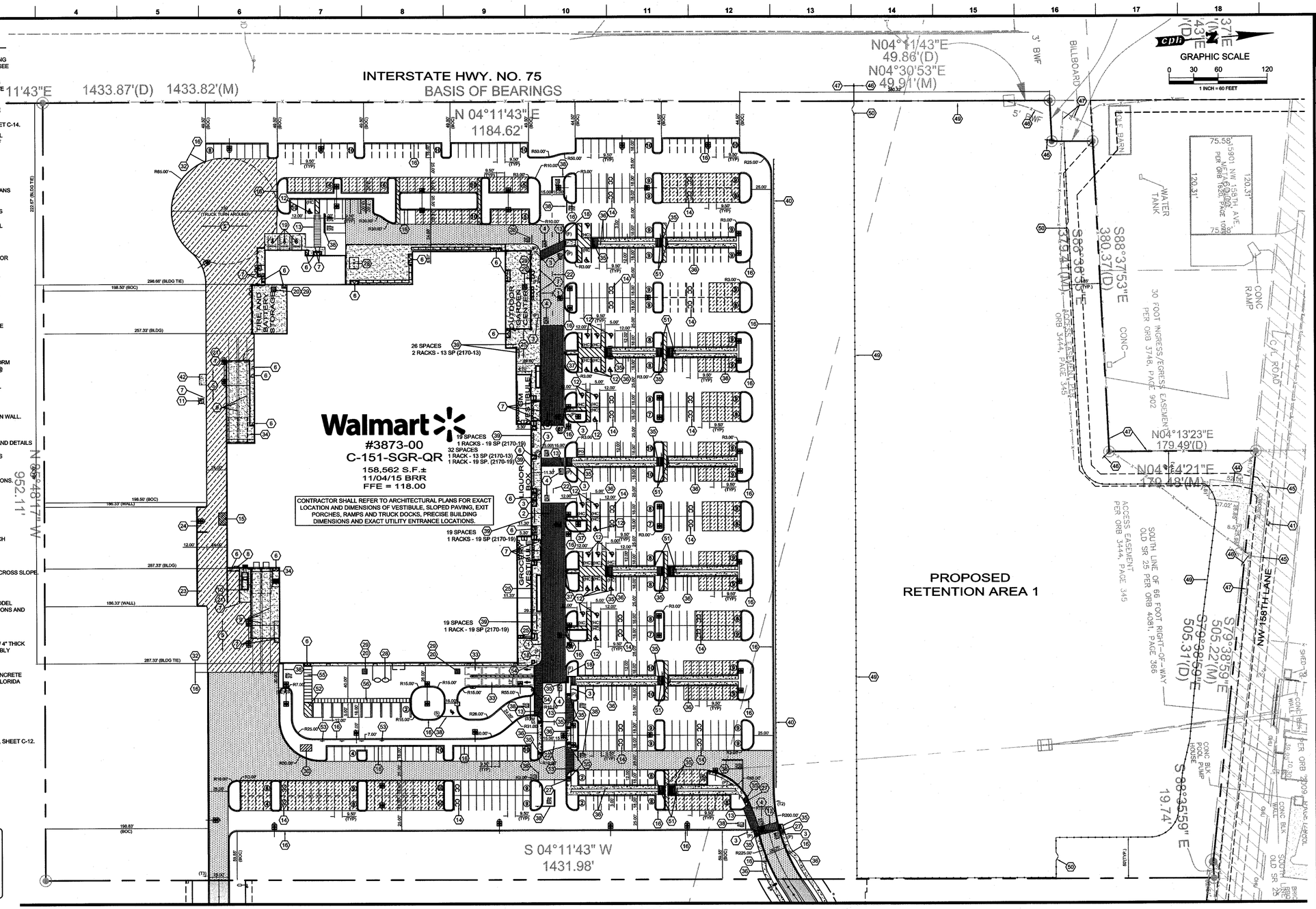
J:\W13392.1\Civil\DWG\Design\W13392.1 - C-6 OVERALL SITE PLAN.dwg Jan 23, 2017 - 8:47am pranucci

SITE LEGEND

1. 6" WIDE FIRE LANE STRIPING PAINTED TRAFFIC RED W/ "NO PARKING FIRE LANE" PAINTED WITH 4" HIGH WHITE LETTERING AT 25' O.C., SEE DETAIL SHEET C-14.
2. PEDESTRIAN CROSSWALK WITH 6" WIDE PAINTED WHITE STRIPING PARALLEL TO DIRECTION OF TRAFFIC AT 2'-0" O.C. AND (1)-8" WHITE STRIPE PERPENDICULAR ON BOTH ENDS UNLESS NOTED OTHERWISE. SEE SITE PLAN FOR DIMENSIONS.
3. PEDESTRIAN CROSSING SIGN AT PEDESTRIAN CROSSWALKS , SEE DETAIL SHEET C-15 (TYP).
4. "YIELD" PAINTED WHITE ON PAVEMENT TYPICAL, SEE DETAIL SHEET C-14.
5. CONCRETE JOINTING AND FILLERS TO BE COMPLETED, SEE DETAIL SHEET C-13 (TYPICAL OF ALL EXTERIOR CONCRETE EXCLUSIVE OF ARCHITECTURAL CONCRETE).
6. EXIT PORCH. SEE ARCHITECTURAL PLANS FOR EXACT SIZE, LOCATION FOR STOOPS, STAIRS AND/OR RAMPS THAT MAY BE REQUIRED. RAMP PAVEMENT FLUSH WITH THE TOP OF STOOP.
7. 6"Ø PIPE BOLLARD TYPICAL UNLESS NOTED OTHERWISE, SEE DETAIL SHEET C-12.
8. AT GRADE OVERHEAD DOOR LOCATION. SEE ARCHITECTURAL PLANS FOR EXACT SIZE AND LOCATION FOR COORDINATION WITH CIVIL PLANS.
9. 4" WIDE x 130' LONG YELLOW PAINTED TRUCK ALIGNMENT STRIPES TYPICAL.
10. 14' X 45' CONCRETE COMPACTOR PAD. REFER TO ARCHITECTURAL PLAN FOR EXACT LOCATION AND SLOPE.
11. CONCRETE TRANSFORMER PAD. CONTRACTOR TO COORDINATE WITH CITY OF ALACHUA FOR INSTALLATION REQUIREMENTS.
12. ACCESSIBLE PARKING SPACE TYPICAL. SEE DETAIL C-14 SHEET FOR ACCESSIBLE PARKING SPACE SIZE, SIGN, AND SYMBOL.
13. 10'-0" WIDE PEDESTRIAN CROSSWALK, SEE DETAIL SHEET C-14.
14. CART CORRAL TYPICAL, SEE DETAIL SHEET C-12.
15. 10' X 15' STRIPED AREA PAINTED SYSL/4" AT 45° @ 2'-0" O.C. AT JIB CRANE LOCATION. SEE ARCH. PLANS.
16. 18" CONCRETE CURB AND GUTTER TYPICAL, SEE DETAIL SHEET C-13.1.
17. ARROW PAVEMENT MARKINGS TYPICAL. SEE PLAN FOR TYPE, SEE DETAIL SHEET C-14.
18. "NO PARKING FIRE LANE" SIGN, SEE DETAIL SHEET C-14.
19. TLE STRIPING, SEE DETAIL SHEET C-14.
20. 6'x6' PAINTED STRIPED AREA CENTERED ON SIPHONIC BREAK STORM MANHOLE. 4" PAINTED SOLID TRAFFIC YELLOW STRIPES 18" O.C. @ 45°., SEE DETAIL SHEET C-16.
21. ISOLATION JOINT TYPICAL AT FIXED STRUCTURES (BUILDINGS, RETAINING WALLS/DOCK WALLS, DROP INLETS, MANHOLES, LIGHT POLE BASES AND BOLLARDS). SEE DETAIL SHEET C-13.
22. 4" YELLOW STRIPE 6' LONG WITH 18' GAPS.
23. BALE & PALLET RECYCLE AREA (90' X 12') W/ 10' HIGH CMU SCREEN WALL. REFER TO ARCH. PLANS FOR SPECIFICATIONS.
24. ORGANIC DUMPSTER (30' x 12') W/ 10' HIGH CMU SCREEN WALL. REFER TO ARCH. PLANS FOR SPECIFICATIONS.
25. CONCRETE SIDEWALK, SEE ARCH. PLANS FOR SPECIFICATIONS AND DETAILS (TYP.).
26. JOINT USE MONUMENT SIGN BY OTHERS (ALL SIGNAGE REQUIRES SEPARATE PERMIT).
27. NOSE DOWN CURB, SEE DETAIL SHEET C-13.1 .
28. GREASE INTERCEPTOR. SEE ARCH./MEP PLANS FOR SPECIFICATIONS.
29. SIPHONIC MANHOLE, SEE DETAIL SHEET C-16.
30. 5,200 GALLON CISTERN, SEE IRRIGATION PLANS.
32. INTEGRAL CURB AND GUTTER ADJACENT TO HEAVY DUTY CONCRETE PAVEMENT (TYP.).
33. DRIVE THRU PHARMACY QUE LENGTH = 8 VEHICLES. AASHTO STANDARD VEHICLE (9'X20').
34. TRUCK WELL STORAGE AREA PROVIDED - 12'X30' SPACE FOR EACH DELIVERY DOOR.
35. PROPOSED HANDICAP RAMP 1:12 MAX SLOPE, PER FDOT INDEX #304. TRUNCATED DOMES TO BE OVERLAY PAD, 3' DEPTH AND WIDTH OF RAMP.
36. PROPOSED SIDEWALK, 5% MAX. LONGITUDINAL SLOPE, 2% MAX. CROSS SLOPE.
37. PROPOSED TRUNCATED DOMES TO BE OVERLAY PAD 36" DEEP.
38. STOP BAR AND SIGN, SEE DETAIL SHEET C-14.
39. BICYCLE RACK - GALVANIZED STEEL TIMBERFORM CYCLOOPS MODEL TYPE 2170-7, 2170-13 & 2170-19. REFER TO SITE PLAN FOR LOCATIONS AND DETAIL, SHEET C-12.1.
40. GUIDERAIL PER FDOT INDEX NO. 400.
41. PROTECT & SAVE EXISTING ASPHALT PAVEMENT.
42. PROPOSED APPROX. 8.5 X 13' (FIELD VERIFY) CONCRETE SLAB W/ 4" THICK NON-REINFORCED 3,000 PSI CONCRETE FOR BACK FLOW ASSEMBLY ACCESS & MAINTENANCE.
43. SYSL/4" @ 45°, 2' O.C. BOUNDED BY SYSL/4".
44. EXISTING CONCRETE SHALL BE REMOVED TO LIMITS SHOWN. CONCRETE PAVEMENT REMOVED VOID SHALL BE BACKFILLED WITH CLEAN FLORIDA FILL, BROUGHT TO GRADE AND SODDED IN ACCORDANCE WITH LANDSCAPE PLANS.
45. LIMITS OF EXISTING CONCRETE REMOVAL.
46. EXISTING FENCE TO BE REMOVED TO LIMITS SHOWN.
47. PROTECT & SAVE EXISTING FENCE.
48. SYSL/4" @ 45°, 2' O.C.
49. 6' HIGH BLACK PAINTED STEEL PICKET FENCE. REFER TO DETAIL, SHEET C-12.
50. (2) 5' 2-WAY SWING GATES PER WALMART SITEWORK SPECS.
51. CART CROSSING SIGN, SEE DETAIL SHEET C-15.
52. SWSL/4" @ 45°, 2' O.C. BOUNDED BY SWSL/4"
53. EXIT LEFT SIGN, SEE DETAIL SHEET C-15
54. PICKUP ENTRANCE SIGN, SEE DETAIL SHEET C-15
55. 10' WIDE STRIPING WITH 6" WHITE STRIPES @ 24" O.C. BOUNDED BY 8" WHITE
56. 5' WIDE STRIPING WITH 6" WHITE STRIPES @ 24" O.C. BOUNDED BY 8" WHITE

ALERT TO CONTRACTOR:

ALL WM GENERAL CONTRACTOR WORK TO BE COMPLETED (EARTHWORK, FINAL UTILITIES, AND FINAL GRADING) BY THE MILESTONE DATE IN PROJECT DOCUMENTS. OUTLOT AREA TO BE KEPT FREE OF JOB TRAILERS AND STORAGE AFTER THE CONTRACT MILESTONE DATE FOR THE OUTLOT. WM GENERAL CONTRACTOR TO PROVIDE CLEAR ACCESS FOR OUTLOT CONTRACTOR TO THE SPECIFIC PARCEL AT ALL TIMES AFTER MILESTONE DATE. PURCHASER OF OUTLOT TO PROVIDE PERMIT DOCUMENTS AND SWPPP REQUIRED BY STATE/LOCAL REQUIREMENTS FOR SPECIFIC OUTLOT.



MATCH LINE - REFER TO SHEET C-6B

SITE ANALYSIS TABLE

WALMART	158,562 S.F.
PARKING (ASSOCIATE AND CUSTOMER)	596 SPACES
ACCESSIBLE	24 SPACES
TOTAL PARKING	620 SPACES
RATIO	3.91/1,000 S.F.
*CART CORRALS	28 CORRALS/28 SPACES

NOTES

1. REFER TO SHEET C-5 FOR GENERAL SITE NOTES.
2. THE PROJECT SITE PARKING LOT IS SCHEDULED TO HAVE A CART CONTAINMENT SYSTEM INSTALLED. CONTRACTOR SHALL COORDINATE WITH WAL-MART'S CONSTRUCTION MANAGER FOR FURTHER INFORMATION.
3. ALL SIGNAGE SHALL BE PER CITY & F.D.O.T. REGULATIONS
4. WITHIN CONCRETE PAVEMENT AREAS AN ISOLATION JOINT SHALL BE UTILIZED AT ALL FIXED STRUCTURES (BUILDINGS, RETAINING WALLS/DOCK WALLS, DROP INLETS, MANHOLES, LIGHT POLE BASES AND BOLLARDS). REFER TO DETAIL, SHEET C-13.

Always call 811 two full business days before you dig
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www.sunshine811.com

LEGEND

SIGN LEGEND
- (RT) RIGHT TURN ONLY
- (P) PEDESTRIAN CROSSING SIGN
- (S) STOP SIGN
- (F) NO PARKING FIRE LANE SIGN
- (NP) NO PARKING LOADING ZONE SIGN
- (NT) NO TRUCKS SIGN
- (T1) WAL-MART TRUCKS SIGN (ARROW RIGHT)
- WAL-MART TRUCKS SIGN (ARROW LEFT)
- (T2) TRUCK EXIT SIGN (ARROW UP)
- (T7) WALMART SERVICE VEHICLES & ASSOCIATES ONLY
- (HC) ACCESSIBLE PARKING SIGN
- (DE) DO NOT ENTER SIGN
- POLICE ONLY PARKING SPACE W/ NO PARKING POLICE ONLY SIGN

LIGHT LEGEND
- SINGLE FIXTURE LIGHT POLE AND BASE
- 3 FIXTURE LIGHT POLE AND BASE
- 4 FIXTURE LIGHT POLE AND BASE
- BACK TO BACK FIXTURE LIGHT POLE AND BASE

PAINTED STRIPING LEGEND
- ASSOCIATE PARKING SPACES (159 TOTAL SPACES)
- PROPOSED PARKING SPACES - SWSL/4"
- 12" WHITE REFLECTIVE PAINT STOP BAR (ON-SITE ONLY)
- SYSL/4" SINGLE YELLOW SOLID LINE / 4" WIDE
- SWSL/4" SINGLE WHITE SOLID LINE / 4" WIDE
- DYSL-T/4" DOUBLE YELLOW SOLID LINE-(THERMO.) / 6" WIDE
- SWSL-T/4" SINGLE WHITE SOLID LINE-(THERMO.) / 6" WIDE
- CC CC CART CORRAL (14 TOTAL)

NOTE:
ALL PARKING SPACE SIZES ARE 9.5' x 18' UNLESS OTHERWISE NOTED.
ALL INTERIOR ISLANDS HAVE A 10' RADIUS AND A 3' RADIUS UNLESS OTHERWISE NOTED.

PAVEMENT LEGEND
- * HEAVY DUTY CONCRETE (WAL-MART ON-SITE ONLY)
- * HEAVY DUTY ASPHALT OR * HEAVY DUTY CONCRETE (WAL-MART ON-SITE ONLY)
- * STANDARD DUTY ASPHALT OR * STANDARD DUTY CONCRETE (WAL-MART ON-SITE ONLY)
- * LIGHT DUTY PERVIOUS CONCRETE (WAL-MART ON-SITE ONLY)
- CONCRETE PER ARCH. SPECIFICATIONS. REFER TO ARCH. PLANS. (WAL-MART ON-SITE ONLY)
- * HEAVY DUTY ASPHALT - OFF-SITE ROADWAY (PER WAL-MART PAVEMENT SPECIFICATIONS)
- * LIGHT DUTY ASPHALT - OFF-SITE ROADWAY (PER WAL-MART PAVEMENT SPECIFICATIONS)
- S.R. 441 (PAVEMENT SECTION TO MEET OR EXCEED FDOT SPECIFICATIONS)
- STAMPED CONCRETE CROSSWALK (ADA CROSSWALK WITH DECORATIVE STAMPED CONCRETE, IMPRINTED CONCRETE PAVEMENT @ 4,000 PSI PER BOMANITE OR APPROVED EQUAL. RUNNING BOND SANDBLAST LIMESTONE PATTERN PER MANUFACTURER'S SPECIFICATIONS. COLOR TO BE DETERMINED.)

* NOTE: SEE SHEET C-13.1 FOR PAVEMENT MATERIALS.

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BRIAN P. CASSIDY * LICENSE * No. 67373 * STATE OF FLORIDA * BRIAN P. CASSIDY, P.E.

APR 0 8 2017

No.	Revision	By	Date

Designed by: B.P.C.
Drawn by: P.W.R.
Checked by: H.L.W
Approved by: B.P.C.
Scale: 1" = 60'
Date: 2/17/15
Job No.: W13392.1
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Survey L.B. No. 7143
Arch. Lic. No. AA2600926
Lndscp. Lic. No. LC0000298

SITE DIMENSION PLAN

Walmart

STORE NO. 3873-00, ALACHUA (SEC I-75 HWY 441), FLORIDA

Sheet No.
C-6A

J:\W13392.1\Civil\DWG\Design\W13392.1 - C-6A SDP.dwg Jan 23, 2017 - 8:48am pranucci

MATCH LINE - REFER TO SHEET C-6A

S 64°11'43" W
1431.98'

cph
GRAPHIC SCALE
0 30 60 120
1 INCH = 60 FEET

SITE LEGEND

1. 6" WIDE FIRE LANE STRIPING PAINTED TRAFFIC RED W/ "NO PARKING FIRE LANE" PAINTED WITH 4" HIGH WHITE LETTERING AT 25' O.C., SEE DETAIL SHEET C-14.
2. PEDESTRIAN CROSSWALK WITH 6" WIDE PAINTED WHITE STRIPING PARALLEL TO DIRECTION OF TRAFFIC AT 2'-0" O.C. AND (1)-6" WHITE STRIPE PERPENDICULAR ON BOTH ENDS UNLESS NOTED OTHERWISE. SEE SITE PLAN FOR DIMENSIONS.
3. PEDESTRIAN CROSSING SIGN AT PEDESTRIAN CROSSWALKS , SEE DETAIL SHEET C-15 (TYP).
4. "YIELD" PAINTED WHITE ON PAVEMENT TYPICAL. SEE DETAIL SHEET C-14.
5. CONCRETE JOINTING AND FILLERS TO BE COMPLETED, SEE DETAIL SHEET C-13 (TYPICAL OF ALL EXTERIOR CONCRETE EXCLUSIVE OF ARCHITECTURAL CONCRETE).
6. EXIT PORCH. SEE ARCHITECTURAL PLANS FOR EXACT SIZE. LOCATION FOR STOOPS, STAIRS AND/OR RAMPS THAT MAY BE REQUIRED. RAMP PAVEMENT FLUSH WITH THE TOP OF STOOP.
7. 6"Ø PIPE BOLLARD TYPICAL UNLESS NOTED OTHERWISE, SEE DETAIL SHEET C-12.
8. AT GRADE OVERHEAD DOOR LOCATION. SEE ARCHITECTURAL PLANS FOR EXACT SIZE AND LOCATION FOR COORDINATION WITH CIVIL PLANS.
9. 4" WIDE x 130' LONG YELLOW PAINTED TRUCK ALIGNMENT STRIPES TYPICAL.
10. 14' X 42' CONCRETE COMPACTOR PAD. REFER TO ARCHITECTURAL PLAN FOR EXACT LOCATION AND SLOPE.
11. CONCRETE TRANSFORMER PAD. CONTRACTOR TO COORDINATE WITH CITY OF ALACHUA FOR INSTALLATION REQUIREMENTS.
12. ACCESSIBLE PARKING SPACE TYPICAL. SEE DETAIL C-14 SHEET FOR ACCESSIBLE PARKING SPACE SIZE, SIGN, AND SYMBOL.
13. 10'-0" WIDE PEDESTRIAN CROSSWALK, SEE DETAIL SHET C-14.
14. CART CORRAL TYPICAL, SEE DETAIL SHEET C-12.
15. 10' X 15' STRIPED AREA PAINTED SYSL/4" AT 45° @ 2'-0" O.C. AT JIB CRANE LOCATION. SEE ARCH. PLANS.
16. 18" CONCRETE CURB AND GUTTER TYPICAL, SEE DETAIL SHEET C-13.1.
17. ARROW PAVEMENT MARKINGS TYPICAL. SEE PLAN FOR TYPE, SEE DETAIL SHEET C-14.
18. "NO PARKING FIRE LANE" SIGN, SEE DETAIL SHEET C-14.
19. TLE STRIPING, SEE DETAIL SHEET C-14.
20. 6'x6' PAINTED STRIPED AREA CENTERED ON SIPHONIC BREAK STORM MANHOLE. 4" PAINTED SOLID TRAFFIC YELLOW STRIPES 18" O.C. @ 45° , SEE DETAIL SHEET C-16.
21. ISOLATION JOINT TYPICAL AT FIXED STRUCTURES (BUILDINGS, RETAINING WALLS/DOCK WALLS, DROP INLETS, MANHOLES, LIGHT POLE BASES AND BOLLARDS). SEE DETAIL SHEET C-13.
22. 4" YELLOW STRIPE 6' LONG WITH 18' GAPS.
23. BALE & PALLET RECYCLE AREA (90' X 12') W/ 10' HIGH CMU SCREEN WALL. REFER TO ARCH. PLANS FOR SPECIFICATIONS.
24. ORGANIC DUMPSTER (30' x 12') W/ 10' HIGH CMU SCREEN WALL. REFER TO ARCH. PLANS FOR SPECIFICATIONS.
25. CONCRETE SIDEWALK, SEE ARCH. PLANS FOR SPECIFICATIONS AND DETAILS (TYP.).
26. JOINT USE MONUMENT SIGN BY OTHERS (ALL SIGNAGE REQUIRES SEPARATE PERMIT).
27. NOSE DOWN CURB, SEE DETAIL SHEET C-13.1.
28. GREASE INTERCEPTOR. SEE ARCH./MEP PLANS FOR SPECIFICATIONS.
29. SIPHONIC MANHOLE, SEE DETAIL SHEET C-16.
30. 5,200 GALLON CISTERN, SEE IRRIGATION PLANS.
32. INTEGRAL CURB AND GUTTER ADJACENT TO HEAVY DUTY CONCRETE PAVEMENT (TYP.).
33. DRIVE THRU PHARMACY QUE LENGTH = 9 VEHICLES. AASHTO STANDARD VEHICLE (9'X20').
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43. SYSL/4" @ 45°, 2' O.C. BOUNDED BY SYSL/4".
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45. EXISTING FENCE TO BE REMOVED TO LIMITS SHOWN.
46. PROTECT & SAVE EXISTING FENCE.
47. SYSL/4" @ 45°, 2' O.C.
48. 6' HIGH BLACK PAINTED STEEL PICKET FENCE. REFER TO DETAIL, SHEET C-12.
50. (2) 9' 2-WAY SWING GATES PER WALMART SITEWORK SPECS.

PROPOSED RETENTION AREA 2

PASSIVE RECREATION 1.07 AC

N 04°11'43" E 212.50'

S 85°48'17" E 232.77'

N 85°48'17" W 232.77'

S 10°38'41" W 81.57'

N 10°38'41" E 287.31'

N 90°00'00" W 69.19'(D) S89°26'58"W 69.14'(M)

N 90°00'00" E 272.86'

N 07°15'46" E S07°15'34"W 455.36'(D) 455.39'(M)

S 02°26'50"E S02°27'37"E 979.69'(D)

440.01'(D) 439.91'(M)

966.54'(M)(D) 1092.96'(D)

Δ = 54°38'53" L = 202.20' R = 212.00' C = 194.63' T = 109.53' B = S20°03'38"E D = 27°01'35"

Δ = 17°35'40" R = 250.00' L = 76.77' CH = 76.47' CB = N 36°53'01" W

Δ = 29°59'05" R = 240.00' L = 125.60' CH = 124.17' CB = N 43°04'44" W

Δ = 68°58'01" R = 177.00' L = 211.86' CH = 199.44' CB = N 23°46'52" W

R225.00' R225.00' R200.00'

SELLER ROAD 2 (66' ROW)

SELLER ROAD 1 (77' ROW)

ENTRANCE ROAD

U.S. HWY. 441

PROPOSED ACCESS EASEMENT

WATERLINE AND PUBLIC UTILITY EASEMENT ORB 3138, PAGE 99

ORB 3247, PAGE 676

20.00' UTILITY EASEMENT

PROPOSED RIGHT OF WAY DEDICATION - ±11,148 SF

PROPOSED 19 ON-STREET PARKING STALLS @ 60'

REFER TO SHEETS C-9 THROUGH C-9R FOR SELLER RD. 1, SELLER RD. 2, ENTRANCE RD. & 151ST BLVD. PROPOSED ROADWAY DESIGN & SPECIFICATIONS.

REFER TO SHEETS C-10 THROUGH C-10D FOR PROPOSED US HWY. 441 ROADWAY IMPROVEMENTS

FIRST STREET GROUP PROPERTY LINES, SEE GENERAL NOTES #13 ON SHEET C-2

EXISTING SITE IMPROVEMENTS TO BE REMOVED BY OWNER PRIOR TO START OF CONSTRUCTION

CENTER LINE RESCRIPTION PER ORDINANCE 01-02 SEE ORB 4081, PAGE 366

ORB 2236, PAGE 2

CONCRETE

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APR 03 2017

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BRIAN PAUL CASSIDY LICENSE No. 67373 STATE OF FLORIDA REGISTERED ENGINEER BRIAN P. CASSIDY, PE 67373

No.	Date	Revision	By
1	2/17/15		

Designed by:	B.P.C.
Drawn by:	P.W.R.
Checked by:	H.L.W
Approved by:	B.P.C.
Scale:	1" = 60'
Date:	2/17/15
Job No.:	W13392.1
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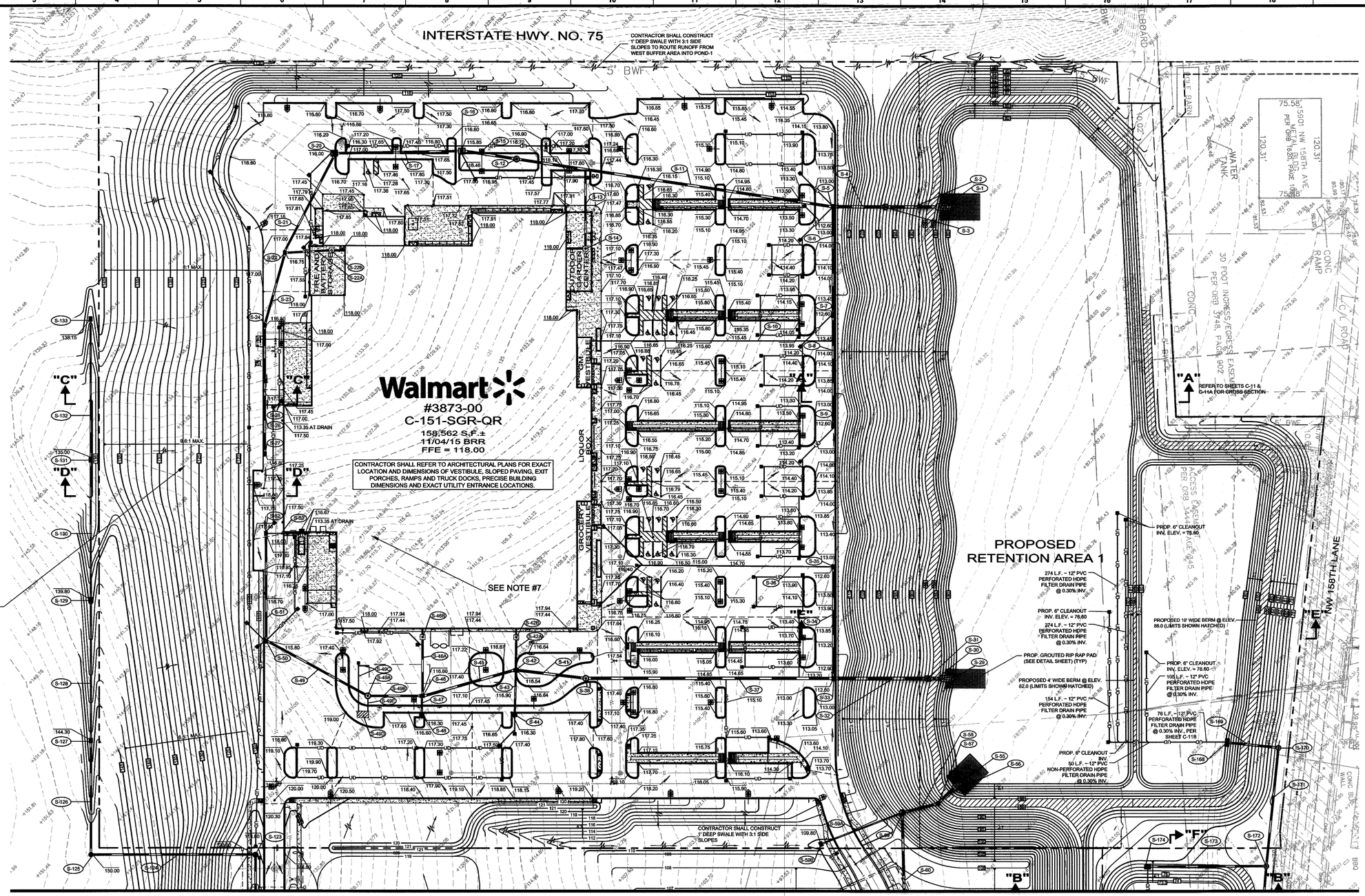
Lndscp. Lic. No. LC0000298

SITE DIMENSION PLAN

Walmart

STORE NO. 3873-00, ALACHUA (SEC I-75 HWY 441), FLORIDA

Sheet No.
C-6B



GRAPHIC SCALE

0 30 60 120

1 INCH = 60 FEET

BEFORE YOU DIG !
CALL SUNSHINE STATE ONE CALL OF FLORIDA
AT LEAST TWO FULL BUSINESS DAYS BEFORE DIGGING OR DISTURBING EARTH
811
Know what's below. Call before you dig.

STORM SYSTEM NOTES:

1. ALL PIPES IN LEGEND SPECIFIED AS "STORM PIPE" SHALL BE SELECTED FROM THOSE LISTED IN THE GENERAL GRADING NOTES, NOTE 12, SHEET C-5.
2. PIPE LENGTHS ASSOCIATED WITH MITERED END SECTIONS DO NOT INCLUDE SEGMENT TO BE INCLUDED UNDER UNIT PRICE FOR M.E.S. (A.K.A. DIMENSION F, F.D.O.T. INDEX NO. 273)
3. ALL STRUCTURE INVERTS SHALL BE CONSTRUCTED PER F.D.O.T. INDEX NO. 201.
4. ALL STRUCTURES WITH TYPE J BOTTOMS SHALL BE CONSTRUCTED PER F.D.O.T. INDEX NO. 200.
5. ALL DRAINAGE STRUCTURES, INCLUDING CLEAN-OUTS, SHALL BE INSTALLED WITH TRAFFIC BEARING GRATES, TOPS, RINGS AND COVERS, ETC. AS APPLICABLE.
6. ALL PROPOSED INLET GRATES SHALL BE RETICULINE STEEL H20 LOAD RATED.

NOTES:

1. REFER TO SHEET C-5 FOR PROPOSED BUILDING PAD FOUNDATION SUBSURFACE PREPARATION
2. REFER TO SHEET C-5 FOR GENERAL SITE GRADING NOTES.
3. REFER TO SHEETS C-11 & C-11A FOR CROSS SECTIONS.
4. REFER TO SHEETS SW-3 THRU SW-12 FOR PROPOSED SILT FENCE LOCATIONS & SPECIFICATIONS.
5. THE CONTRACTOR SHALL NOTIFY THE SRWMD OF ANY SINKHOLE DEVELOPMENT WHICH OCCURS IN CLOSE PROXIMITY TO THE LIMITS OF CONSTRUCTION AREA. CONTACT BRIAN BROOKER W/ SRWMD @ TEL.: 386-362-1001 OR TOLL FREE: 800-226-1066 WITHIN 48 HOURS OF DISCOVERY. REFER TO DETAIL, SHEET C-16 FOR TYPE OF SINK HOLE REPAIR THAT MAY BE NECESSARY IF IMMINENT FAILURE OCCURS.
6. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS. REFER TO MASTER SITE SPECIFICATIONS.
7. SITE PREPARATION INCLUDES BACKFILLING SOME DRAINAGE AREAS / GULLIES. CONTRACTOR SHOULD HAVE THESE AREAS DRAINED PRIOR TO WORK COMMENCING. ALL MATERIAL CLEARED, DE-MUCKED AND GRUBBED FROM THE DRAINED AREAS / GULLIES SHOULD BE DISPOSED. A LAYER OF BI-AXIAL GEOTEXTILE SHOULD BE PLACED OVER THE EXCAVATED SUBGRADE FOR CONSTRUCTABILITY PURPOSES TO ALLOW FOR A PLATFORM TO START PLACING THE BACKFILL. BACKFILL AND FILL SHOULD BE PLACED IN UNIFORM 8- TO 10-INCH LOOSE LIFTS, AND EACH LIFT SHOULD BE COMPACTED TO A MINIMUM DENSITY OF 95 PERCENT OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY. BACKFILL MATERIAL SHALL CONSIST OF LOW PERMEABILITY, ENGINEERED FILL MATERIAL. ALLOW THE BACKFILL TO CONSOLIDATE UNDER THE WEIGHT OF THE FILL MATERIAL.

ALERT TO CONTRACTOR:

ALL WM GENERAL CONTRACTOR WORK TO BE COMPLETED (EARTHWORK, FINAL UTILITIES, AND FINAL GRADING) BY THE MILESTONE DATE IN PROJECT DOCUMENTS. OUT PARCEL 1 AREA TO BE KEPT FREE OF JOB TRAILERS AND STORAGE AFTER THE CONTRACT MILESTONE DATE FOR THE OUT PARCEL. WM GENERAL CONTRACTOR TO PROVIDE CLEAR ACCESS FOR OUTLOT CONTRACTOR TO THE SPECIFIC PARCEL AT ALL TIMES AFTER MILESTONE DATE. PURCHASER OF OUT PARCEL 1 TO PROVIDE PERMIT DOCUMENTS AND SWPPP REQUIRED BY STATE/LOCAL REQUIREMENTS FOR SPECIFIC OUT PARCEL 1.

FLOOD PLAIN

ACCORDING TO THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY PANEL NO. 120064 0025 A, EFFECTIVE DATE JUNE 16, 2006, THIS PROPERTY LIES IN ZONE "X", NOT A SPECIAL FLOOD HAZARD AREA.

LEGEND

- (T.C.) / (E.P.) — TOP OF CURB / EDGE OF PAVEMENT
- PROP. FLOW DIRECTION
- 49 — PROP. CONTOUR
- PROP. STORM PIPE

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BRIAN PAUL CASSIDY LICENSE No. 67373 STATE OF FLORIDA PROFESSIONAL ENGINEER
BRIAN CASSIDY, P.E.
APR 03 2017

No.	Revision	Date	By
1	B.P.C.	1" = 60'	
2	P.W.R.	2/17/15	
3	H.L.W.	W13392.1	
4	B.P.C.		
5			
6			
7			

Designed by: B.P.C.
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GRADING AND STORM DRAINAGE PLAN

Walmart

STORE NO. 3873-00, ALACHUA (SEC I-75 HWY 441), FLORIDA

Sheet No.
C-7

MATCH LINE - REFER TO SHEET C-7

GRAPHIC SCALE
0 30 60 120
1 INCH = 60 FEET

NOTES
1. THE SUITABILITY AND PLACEMENT RECOMMENDATIONS OF ALL FILL MATERIAL TO BE PLACED ON FIRST STREET GROUP PROPERTY SHALL BE DETERMINED BY A PROFESSIONAL ENGINEER QUALIFIED IN GEOTECHNICAL EVALUATION AND SHALL BE PROVIDED TO THE OWNER FOR APPROVAL PRIOR TO PLACEMENT.
2. NO MATERIALS THAT ARE UNSUITABLE FOR STRUCTURAL FILL (AS DETERMINED BY THE GEOTECHNICAL ENGINEER) SHALL BE PLACED WITHIN THE TOP THREE FEET OF THE PROPOSED GRADES AS SHOWN.
3. EXISTING STOCKPILES ON FSG PROPERTY (AS IDENTIFIED ON THESE PLANS) ARE TO BE USED FOR FILL/GRADING ON FSG PROPERTY.
4. FIRST STREET GROUP SHALL BE NOTIFIED IF EXCESS ONSITE MATERIAL IS INSUFFICIENT TO MEET THE FILL/GRADING REQUIREMENTS OF THIS PLAN.
5. FOR THE FSG PROPERTY EAST OF THE ENTRANCE ROAD, PRIORITY SHALL BE GIVEN TO PLACE FILL ADJACENT TO THE ENTRANCE ROAD. IN CASE OF INSUFFICIENT ONSITE MATERIAL, THE EASTERN PORTION OF THE PROPERTY MAY BE LEFT AT ITS NATURAL GRADE.
6. IN NO CASE SHALL FILL BE PLACED IN SUCH A WAY THAT WOULD BLOCK OR DIVERT THE FOLLOW OF RUNOFF FROM THE SITE. REFER TO THE GRADING NOTES ON SHEET C-2.

FROM STA: 42+10.00 TO STA: 47+80.00 AND STA: 51+50.00 TO STA: 55+85.00 PLACE FINE GRADED MATERIAL INTO ANY SURFACE DEPRESSIONS. RELATIVELY IMPERVIOUS SOILS WITH MORE THAN 25% FINES SHOULD BE PLACED IN LAYERS SUITABLY GRADED AND COMBINED WITH GEOTEXTILE SO AS NOT TO ALLOW MIGRATION OF SOILS INTO LOWER LAYERS. A CONTINUOUS LAYER OF BIAXIAL GEOGRID (TENSAR BX1100) SHALL BE PLACED OVER THE ENTIRE AREA AT A DEPTH OF ABOUT ONE FOOT BELOW THE BOTTOM OF THE BASE ELEVATION. EXERCISE CARE TO NOT TEAR GEOGRID DURING STABILIZATION BACKFILL. SOILS SHOULD BE PLACED WITH LOOSE LIFT THICKNESS OF NOT MORE THAN 12 INCHES. COMPACT BACKFILL MATERIAL AS NECESSARY . MAINTAIN POSITIVE DRAINAGE AROUND ALL IMPROVEMENTS DURING AND AFTER CONSTRUCTION.

PROP. 6" CLEANOUT INV. ELEV. = 116.50
230 L.F. ~ 6" PVC UNDERDRAIN @ 2.39%
THIS AREA TO BE GRADED UNIFORMLY TO ELEVATION 119 FT
PROP. 6" CLEANOUT INV. ELEV. = 111.00
5 L.F. ~ 6" PVC UNDERDRAIN @ 2.00% INV. DOWN = 110.90
PROP. 6" CLEANOUT INV. ELEV. = 110.50
155 L.F. ~ 6" PVC UNDERDRAIN @ 2.58%
PROP. 6" CLEANOUT INV. ELEV. = 106.50
5 L.F. ~ 6" PVC UNDERDRAIN @ 2.00% INV. DOWN = 106.40
PROP. 6" CLEANOUT INV. ELEV. = 106.00
160 L.F. ~ 6" PVC UNDERDRAIN @ 1.88%
5 L.F. ~ 6" PVC UNDERDRAIN @ 2.00% INV. DOWN = 102.90
PROP. 6" CLEANOUT INV. ELEV. = 102.90
SELLER ROAD 1
PROP. 5' WIDE SIDEWALK SHALL NOT EXCEED 5% LONGITUDINAL SLOPE (TYP.).
STA. 103+00 94.52 - PVI
CONTRACTOR SHALL PROVIDE A LEVEL GRADE AS REQUIRED FOR PROPOSED ELECTRICAL EQUIPMENT & CONCRETE PADS TO BE INSTALLED. REFER TO SHEETS E1 THROUGH E9 FOR ADDITIONAL INFORMATION (TYP.).
PROP. 6" CLEANOUT INV. ELEV. = 71.90
15 L.F. ~ 12" PVC NON-PERFORATED HDPE FILTER DRAIN PIPE @ 0.20% PER SHEET C-11B
15 L.F. ~ 12" PVC PERFORATED HDPE FILTER DRAIN PIPE @ 0.20% PER SHEET C-11B
60 L.F. ~ 12" PVC NON-PERFORATED HDPE FILTER DRAIN PIPE @ 0.20% PER SHEET C-11B
117 L.F. ~ 12" PVC PERFORATED HDPE FILTER DRAIN PIPE @ 0.20% PER SHEET C-11B
PROPOSED RETENTION AREA 2
PROPOSED 4' WIDE BERM @ ELEV. 79.0 (LIMITS SHOWN HATCHED)
PROPOSED 10' WIDE BERM @ ELEV. 79.0 (LIMITS SHOWN HATCHED)
PROPOSED DRAINAGE EASEMENT
PROP. GROUTED RIP RAP PAD (SEE DETAIL SHEET) (TYP)
PASSIVE RECREATION 1.07 AC
STA. 107+00 89.72 - BVI
STA. 107+99.33 - LP 88.84 - PVI
STA. 108+28.53 STA. 53+98.13 - HP 89.23 - PVI
FIRST STREET GROUP PROPERTY LINES, SEE GENERAL NOTES #13 ON SHEET C-2
EXISTING SITE IMPROVEMENTS TO BE REMOVED BY OWNER PRIOR TO START OF CONSTRUCTION
ENTRANCE ROAD
STA. 59+00 81.70 - BVI
STA. 60+53.13 - LP 76.73 - PVI
MATCH EXIST. 77.18±
RIGHT OF WAY LINE
REFER TO SHEETS C-9 THROUGH C-9Q FOR SELLER RD. 1, SELLER RD. 2, ENTRANCE RD. & 151ST BLVD. PROPOSED ROADWAY DESIGN & SPECIFICATIONS.
APPROXIMATE LIMITS OF EXISTING STOCKPILE STOCKPILE TO BE USED ON FIRST STREET GROUP PARCELS ONLY:
APPROXIMATE LIMITS OF EXISTING RETENTION POND WHICH WAS EXPANDED AS PART OF THE ALACHUA COMMERCE PROJECT STORM DRAINAGE IMPROVEMENTS. LIMITS OF RETENTION POND (SHOWN WITH A DASHED LINE/TYPE) WAS NOT DETERMINED BY FIELD SURVEY DATA, BUT BASED ON INFORMATION OBTAINED FROM DESIGN PLANS PROVIDED TO CPH ENGINEER, INC BY CHW DATED, 5/2009.
PROP. GROUTED RIP RAP PAD (SEE DETAIL SHEET) (TYP)
FIRST STREET GROUP PROPERTY LINES, SEE GENERAL NOTES #13 ON SHEET C-2
APPROXIMATE LIMITS OF EXISTING STOCKPILE. STOCKPILE TO BE USED ON FIRST STREET GROUP PARCELS ONLY.
CONTRACTOR SHALL CONSTRUCT 1' DEEP SWALE WITH 3:1 SIDE SLOPES AROUND NORTH AND EAST PROPERTY LINES OF THIS PARCEL
REFER TO U.S. HWY. 441 OFF-SITE ROADWAY IMPROVEMENT PLANS, SHEETS C-10A & C-10B FOR PROPOSED GRADING & DRAINAGE IMPROVEMENTS
U.S. HWY. 441
EAST LINE FROM EXHIBIT "A" OF OWNER'S TITLE AND SURVEY REPORT
STORM MANHOLE RIM ELEV. = 93.76 INVERT ELEV. = 84.76
STORM MANHOLE RIM ELEV. = 93.76 INVERT ELEV. = 84.76
WATER METER
GAS METER
538.86'

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BRIAN PAUL CASSIDY ★ LICENSE No. 67373 ★ STATE OF FLORIDA ★ REGISTERED ENGINEER
BRIAN P. CASSIDY, P.E. 67373

No.	Date	Revision	By
1			
2			
3			
4			
5			
6			
7			

Designed by:	B.P.C.
Drawn by:	P.W.R.
Checked by:	H.L.W
Approved by:	B.P.C.
Scale:	1" = 60'
Date:	2/17/15
Job No.:	W13392.1
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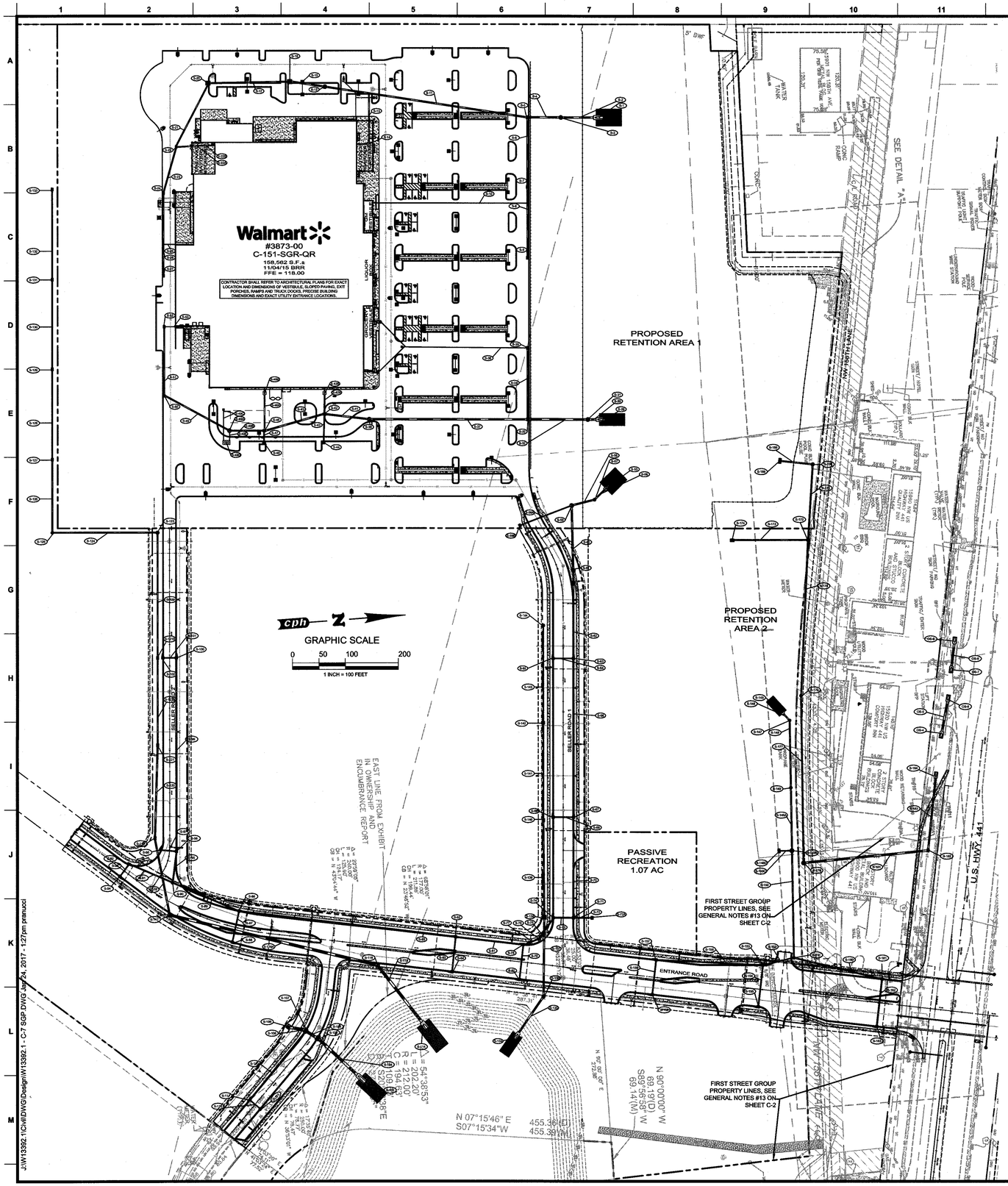
GRADING AND STORM DRAINAGE PLAN

Walmart

STORE NO. 3873-00, ALACHUA (SEC I-75 HWY 441), FLORIDA

Sheet No.
C-7A



S-1	CONCRETE MES, FOOT INDEX NO. 272 (4:1) W/ GROUTED RIP RAP PAD F.L. 80.00	S-45	113' – 30" RCP @ 0.23%	S-91	95' – 15" RCP @ 0.26%	S-139	180' – 30" RCP @ 0.51%
S-2	60' – 36" RCP @ .50%	S-46	TYPE E INLET, FDOT INDEX 232 TOP ELEV = 116.60 N.F.L. = 109.04 E.F.L. = 112.86 W.F.L. = 112.04 S.W.F.L. = 109.04	S-92	TYPE 5 CURB INLET, FDOT INDEX 211 EOP ELEV = 107.80 N. F.L. = 97.25 E. F.L. = 104.20	S-140	TYPE E INLET W/ TYPE J-BOTTOM FDOT, INDEX NO. 232 & 200 GRATE ELEV. 90.10 W. F.L. 78.00 E. F.L. 77.00 S. F.L. 78.00 (24" KNOCKOUT)
S-3	TYPE J MANHOLE, W/ TYPE J BOTTOM, FDOT INDEX NO 200 RIM ELEV. 102.00 (42" OPENING) N.F.L. = 80.40 S.F.L.=87.90	S-46A	67' – 24" RCP @ 0.21%	S-93	30' – 15" RCP @ 0.33%	S-141	180' – 30" RCP @ 2.06%
S-4	65' – 36" RCP @15.00%	S-46B	SIPHONIC BREAK MANHOLE REFER TO DETAIL, SHEET C-14 REFER TO ARCH/MEP FOR CONTINUATION RIM ELEV 117.44 E.F.L. 112.18 W.F.L. 112.18	S-94	TYPE 5 CURB INLET, FDOT INDEX 211 EOP ELEV = 107.80 W. F.L. = 104.30	S-142	TYPE E INLET FDOT INDEX NO. 232 GRATE ELEV. 92.31 W. F.L. 82.60 S. F.L. 86.00 (24" KNOCKOUT) E. F.L. 81.70
S-5	TYPE E INLET, FDOT INDEX NO. 232 GRATE ELEV. 112.60 N.F.L. 97.65 S.F.L. 108.10 E.F.L. 108.00 S.E. PL. 109.60 (6" UD)	S-47	19' – 15" RCP @ 0.53%	S-95	65' – 15" RCP @ 0.23%	S-143	180' – 18" RCP @ 2.00%
S-6	130' – 24" RCP @ 0.23%	S-48	TYPE E INLET, FDOT INDEX NO. 232 TOP ELEV = 116.30 W.F.L. = 113.00	S-96	TYPE 5 CURB INLET, FDOT INDEX 211 EOP ELEV = 106.39 E. F.L. = 88.05 S. F.L. = 88.05 W. F.L. = 102.36	S-144	TYPE P MANHOLE (4'Ø) FDOT INDEX NO. 200 RIM ELEV. 100.70 W/ 2 PIECE COVER (36" OPENING) E. F.L. 86.20 S. F.L. 83.50 (24" KNOCKOUT)
S-7	TYPE E INLET, FDOT INDEX NO. 232 GRATE ELEV. 112.60 W.F.L. 108.30 E.F.L. 108.30 S.E. F.L. 109.60 (6" UD)	S-49	136' – 24" RCP @ 0.21%	S-97	30' – 15" RCP @ 0.23%	S-145	CONCRETE MES, FDOT INDEX NO. 272 (4:1) W/ GROUTED RIP RAP PAD F.L. 73.50
S-8	130' – 24"RCP @ 0.22%	S-49A	TYPE P MANHOLE (4'Ø) FDOT INDEX NO. 200 RIM ELEV. 116.95 N. F.L. 109.16 S. F.L. 109.16 E. F.L. 114.35	S-98	TYPE 5 CURB INLET, FDOT INDEX 211 EOP ELEV = 106.36 N. F.L. = 86.20	S-146	30' – 36" RCP @ 0.07%
S-9	TYPE E INLET, FDOT INDEX NO. 232 GRATE ELEV 112.60 W.F.L. 108.60 S.E. F.L. 109.60 (6" UD)	S-49B	60' – 24" RCP @ 0.21%	S-99	365' – 15" RCP @ 0.23%	S-147	TYPE P MANHOLE (4'Ø) FDOT INDEX NO. 200 RIM ELEV. 78.50 E. F.L. 73.82 SW. F.L. 72.52
S-10	SUB-SURFACE INTERNAL ROOF DRAIN CONNECTION REFER TO ARCH/MEP PLANS F.L. 113.00 @ BUILDING WALL 200' – 6" STORM PIPE @ 1.00% MIN CONNECT AT PIPE S-6 WITH INSERT-A-TEE (OR APPROVED EQUAL)	S-49C	70' – 6" PVC @ 1.00% MIN (W/ CLEANOUT)	S-100	TYPE 5 CURB INLET, FDOT INDEX 211 EOP ELEV = 113.50 E. F.L. = 103.21 S. F.L. = 110.00	S-148	130' – 36" RCP @ 0.07%
		S-49D	CISTERN (SEE IRRIGATION DETAILS SHEET) INV. 114.50 INV. 114.50 (OVERFLOW TO STORM)	S-101	25' – 15" RCP @ 0.20%	S-149	TYPE P MANHOLE (4'Ø) FDOT INDEX NO. 200 RIM ELEV. 82.50 W. F.L. 73.61 E. F.L. 73.61 S. F.L. 73.05 (24" KNOCKOUT)
		S-49E	15' – 6" PVC @ 1.00% MIN	S-102	TYPE 5 CURB INLET, FDOT INDEX 211 EOP ELEV = 113.60 N. F.L. = 110.05		
S-11	350' – 30" RCP @ 0.21%	S-50	TYPE E INLET, FDOT INDEX NO. 232 RIM ELEV = 116.10 W.F.L. = 109.46 N.F.L. = 109.46 S. F.L. = 113.98 N.W. F.L. = 110.05 (6" U.D.) S.E. F.L. = 112.00 (6" U.D.)	S-103	CONCRETE MES, FDOT INDEX NO. 272 (4:1) W/ GROUTED RIP RAP PAD F.L. 75.00	S-149A	120' – 30" RCP @ 0.09%
S-12	TYPE P MANHOLE, FDOT INDEX NO. 200 RIM ELEV = 117.30 N.F.L. 106.90 E.F.L. 112.60 S.F.L. 109.90	S-51	127' – 24" RCP @ 0.22%	S-104	107' – 54" RCP @ 1.02%	S-149B	TYPE P MANHOLE (4'Ø) FDOT INDEX NO. 200 RIM ELEV. 81.00 W.F.L. 73.71 E.F.L. 73.71 S. F.L. 76.80
S-13	95' – 24" RCP @ 0.39%	S-52	TYPE E INLET, FDOT INDEX 232 TOP ELEV = 117.30 E.F.L. = 109.74 N.F.L. = 113.03 N.W. F.L. = 109.74	S-105	TYPE 5 CURB INLET W/ J-BOTTOM, FDOT INDEX NO. 211 & 200 E.O.P. ELEV. 92.25 N.E. F.L. 75.60 S.W. F.L. 81.80	S-149C	23' – 24" RCP @ 0.20%
S-14	SIPHONIC BREAK MANHOLE REFER TO DETAIL, SHEET C-14 REFER TO ARCH./MEP FOR CONTINUATION RIM ELEV. 117.80 S.F.L. 113.00 W.F.L. 113.00	S-53	22' – 18" RCP @ 1.50%	S-106	30' – 54" RCP @ 1.00%	S-149D	TYPE H INLET, FDOT INDEX 232 TOP ELEV. 80.60 N. F.L. 76.85
S-14A	18' – 24" RCP @ 0.39%	S-54	THIS NUMBER OMITTED	S-107	TYPE 5 CURB INLET W/ J-BOTTOM, FDOT INDEX NO. 211 & 200 E.O.P. ELEV. 92.25 S. F.L. 79.30 N.E. F.L. 79.30 E. F.L. 82.00	S-150	200' – 24" RCP @ 0.13%
S-14B	TYPE E INLET, FDOT INDEX NO. 232 EOP ELEV. 116.70 W.F.L. 112.76 E.F.L. 112.76	S-55	CONCRETE MES, FDOT INDEX NO. 272 (4:1) W/ GROUTED RIP RAP PAD F.L. = 80.50			S-151	TYPE P MANHOLE (4'Ø) FDOT INDEX NO. 200 RIM ELEV. 81.96 N. F.L. 74.00 W. F.L. 74.00 S. F.L. 75.80
S-15	65' – 30" RCP @ 0.23%	S-56	30' – 30" RCP @ 0.33%	S-108	48' – 54" RCP @ 1.04%		
S-16	TYPE E INLET, FDOT INDEX NO. 232 GRATE ELEV 115.85 N.F.L. = 110.05 S.F.L. = 110.55 S.E.F.L. = 112.50 W. F.L. 112.60 (6" UD) N.E. F.L. 112.60 (6" UD)	S-57	TYPE P MANHOLE (4'Ø) FDOT INDEX NO. 200 RIM ELEV = 93.50 W/ 2 PIECE COVER N.W. F.L. = 80.60 S. F.L. = 80.60	S-109	TYPE E INLET W/ J-BOTTOM, FDOT INDEX NO. 232 & 200 GRATE ELEV. 92.50 N.E. F.L. 79.80 S.W. F.L. 79.80 (54" KNOCKOUT)	S-152	56' – 18" RCP @ 1.55%
S-17	155' – 24" RCP @ 0.23%	S-58	41' – 30" RCP @ 0.49%	S-110	173' – 18" RCP @ 0.58%	S-153	TYPE S CURB INLET, FDOT INDEX NO. 211 E.O.P. ELEV. 82.71 E. F.L. 76.00 S. F.L. 76.80 N. F.L. 76.70
S-18	THIS NUMBER OMITTED	S-59	TYPE 3 CURB INLET W/ 2 PIECE COVER (36" OPENING) & TYPE J BOTTOM, FDOT INDEX NO. 210 & 200 EOP ELEV. = 110.25 E. F.L. = 80.60 N. F.L. = 80.80 S. F.L. = 98.92	S-111	TYPE 5 CURB INLET, FDOT INDEX NO. 211 E.O.P. ELEV. 87.48 N. F.L. 83.10 W. F.L. 83.00	S-154	76' – 18" RCP @ 0.53%
S-19	THIS NUMBER OMITTED	S-59A	100' – 15" RCP @ 0.52%	S-112	23' – 15" RCP @ 0.65%	S-155	TYPE S CURB INLET, FDOT INDEX NO. 211 E.O.P. ELEV. 82.95 W. F.L. 78.40 E. F.L. 78.40 (18" KNOCK-OUT)
S-20	TYPE E INLET, FDOT INDEX NO. 232 GRATE ELEV 114.90 N.F.L. = 110.90 S.E.F.L. = 110.90 S.F.L. = 111.94 (6" U.D.)	S-59B	TYPE E INLET, FDOT INDEX 232 TOP ELEV = 109.80 N.F.L. = 99.45	S-113	TYPE S GUTTER INLET, FDOT INDEX NO. 220 E.O.P. ELEV. 87.48 S. F.L. 83.25	S-156	199' – 18" RCP @ 1.51%
S-21	138' – 24" RCP @ 0.21%	S-60	117' – 30" RCP @ 0.31%	S-114	CONCRETE MES, FDOT INDEX NO. 272 (4:1) W/ GROUTED RIP RAP PAD F.L. = 75.00	S-157	TYPE S CURB INLET, FDOT INDEX NO. 211 E.O.P. ELEV. 85.99 N. F.L. 79.80 E. F.L. 81.70
S-22	TYPE E INLET, FDOT INDEX NO. 232 GRATE ELEV 116.75 N.W.F.L. = 111.20 S.E.F.L. = 111.20 N.F.L. = 112.86	S-61	TYPE P MANHOLE (6'Ø) FDOT INDEX NO. 200 RIM ELEV. 105.00 W/ 2 PIECE COVER (36" OPENING) E. F.L. 81.20 W. F.L. 81.20	S-115	163' – 30" RCP @ 0.13%	S-158	63' – 18" RCP @ 0.48%
S-22A	60' – 24" RCP @ 0.22%	S-62	162' – 30" RCP @ 0.31%	S-116	TYPE P MANHOLE (5'Ø) FDOT INDEX NO. 200 RIM ELEV = 94.95 W/ 2 PIECE COVER (36" OPENING) N.E. F.L. = 75.22 S. F.L. = 90.40	S-159	TYPE S CURB INLET, FDOT INDEX NO. 211 E.O.P. ELEV. 85.99 W. F.L. 82.00 E. F.L. 82.00 (18" KNOCK-OUT)
S-22B	SIPHONIC BREAK MANHOLE REFER TO DETAIL, SHEET C-14 REFER TO ARCH/ MEP FOR CONTINUATION RIM ELEV 118.00 N.F.L. 113.00 S.F.L. 113.00	S-63	TYPE 5 CURB INLET, FDOT INDEX NO. 211 E.O.P. ELEV. 96.67 W. F.L. 81.70 E. F.L. 81.70 S. F.L. 92.30	S-116A	397' – 30" RCP @ 0.71%	S-160	163' – 24" RCP @ 0.13%
S-23	92' – 24" RCP @ 0.22%	S-64	38' –15" RCP @ 0.57%	S-117	TYPE P MANHOLE (5'Ø) FDOT INDEX NO. 200 RIM ELEV = 103.85 W/ 2 PIECE COVER (36" OPENING) N.F.L. = 83.20 W. F.L. = 99.50	S-161	TYPE S CURB INLET, FDOT INDEX NO. 211 E.O.P. ELEV. 77.77 S. F.L. 74.21 E. F.L. 74.21 W. F.L. 74.15 (24" KNOCKOUT)
S-24	TYPE E INLET, FDOT INDEX NO. 232 GRATE ELEV 116.50 N.W.F.L. = 111.40 S.F.L. = 111.40 N.F.L. = 113.05	S-65	TYPE S CURB INLET, FDOT INDEX NO. 211 E.O.P. ELEV. 96.67 N. F.L. 92.50	S-118	144' – 30" RCP @ 0.24%	S-162	87' – 14" X 23" ERCP @ 0.18%
S-25	55' – 10" STORM PIPE @ 0.55% (TRUCK WELL DRAIN) INV 113.35	S-66	296' – 30" RCP @ 0.30%	S-119	TYPE E FDOT INDEX NO. 232 RIM ELEV. = 106.00 E. F.L. = 90.85 W. F.L. = 101.45 S. F.L. = 101.45 (30" KNOCKOUT) N. F.L. = 102.90 (6" UD)	S-163	TYPE S CURB INLET, FDOT INDEX NO. 211 E.O.P. ELEV. 78.01 W. F.L. 74.37 E. F.L. 74.37 (24" KNOCKOUT)
S-26	155' – 24" RCP @ 0.23%	S-67	TYPE S CURB INLET, FDOT INDEX NO. 211 E.O.P. ELEV. 91.20 W. F.L. 82.60 E. F.L. 83.30 S. F.L. 86.00	S-120	170' – 30" RCP @ 0.21%	S-164	THIS NUMBER OMITTED
S-27	TYPE E INLET, FDOT INDEX NO. 232 RIM ELEV 116.80 W.F.L. 111.75 N.F.L. 113.20	S-68	39' –15" RCP @ 0.57%	S-121	TYPE E INLET FDOT INDEX NO 232 RIM ELEV = 109.00 E. F.L. = 101.80 W. F.L. = 103.50 N. F.L. = 106.40 (6" UD)	S-165	THIS NUMBER OMITTED
S-28	23' – 10" STORM PIPE @ 0.65% W/ INSERT-A-TEE CONNECTION (TRUCK WELL DRAIN- INV 113.35)	S-69	TYPE S CURB INLET, FDOT INDEX NO. 211 E.O.P. ELEV. 91.20 N. F.L. 87.10			S-166	THIS NUMBER OMITTED
S-29	CONCRETE MES, FDOT INDEX NO. 272 W/ GROUTED RIP RAP PAD F.L. 80.00	S-70	186' – 24" RCP @ 0.22%	S-121A	165' – 30" RCP @ 4.06%	S-167	THIS NUMBER OMITTED
S-30	40' – 42" RCP @ 0.50%	S-71	TYPE S CURB INLET, FDOT INDEX NO. 211 E.O.P. ELEV. 88.96 W. F.L. 83.70 S. F.L. 84.40 N. F.L. 83.70	S-121B	TYPE E INLET FDOT INDEX NO. 232 RIM ELEV. = 114.00 E. F.L. = 110.20 W. F.L. = 110.20 N. F.L. = 110.90 (6" UD)	S-168	OUTFALL STRUCTURE TYPE H INLET, FDOT INDEX NO. 232 REFER TO DETAIL, SHT C-16
S-31	TYPE J MANHOLE, ALT. A FOOT INDEX NO. 200 RIM ELEV 93.00 W/ 2 PIECE COVER (42" OPENING) N.F.L. 80.20 S.F.L. 88.00	S-72	32'–18" RCP @ 1.00%	S-122	235' – 30" RCP @ 0.13%	S-169	63' – 24" RCP @ 1.50%
S-32	110' – 42" RCP @ 8.0%	S-72A	TYPE E INLET, FDOT INDEX 232 TOP ELEV = 86.50 S.F.L. = 84.02	S-123	TYPE P MANHOLE (4'Ø) FDOT INDEX NO. 200 RIM ELEV = 120.00 W/ 2 PIECE COVER (36" OPENING) E. F.L. = 110.50 S. F.L. = 110.50 W. F.L. = 113.75 (6" U.D.)	S-170	TYPE J MANHOLE (5'Ø) FDOT INDEX NO. 200 RIM ELEV. 77.50 S. F.L. 75.00 E. F.L. 74.30
S-33	TYPE E INLET, FDOT INDEX NO. 232 GRATE ELEV 112.60 N.F.L. = 96.80 W.F.L. = 108.30 S.F.L. = 107.50	S-73	35' –24" RCP @ 0.57%			S-171	139' – 24" RCP @ 0.50%
		S-74	TYPE S CURB INLET, FDOT INDEX NO. 211 E.O.P. ELEV. 88.96 N.F.L. 84.60 S.E. F.L. 84.70	S-124	200' – 30" RCP @ 6.47%	S-172	TYPE J MANHOLE (5'Ø) FDOT INDEX NO. 200 RIM ELEV. 78.50 W. F.L. 73.60 E. F.L. 71.38 S. F.L. 71.38
S-34	135' – 24" RCP @ 0.22%	S-75	46' –24" RCP @ 0.43%	S-125	TYPE P MANHOLE (4'Ø) FDOT INDEX NO. 200 RIM ELEV. 149.00 W/ 2 PIECE COVER (36" OPENING) W. F.L. 123.45 N. F.L. 123.45	S-173	139' – 24" RCP @ 0.11%
S-35	TYPE E INLET, FDOT INDEX NO. 232 GRATE ELEV 112.60 E.F.L. = 108.60 S.W.F.L= 108.60	S-76	TYPE P MANHOLE (4'Ø) FDOT INDEX NO. 200 RIM ELEV. 90.05 W.F.L. = 84.90 S.E. F.L. 85.00	S-126	134' – 30" RCP @ 0.22%	S-174	OUTFALL STRUCTURE TYPE E INLET, FDOT INDEX NO. 232 REFER TO DETAIL, SHT C-16
S-36	SUB-SURFACE INTERNAL ROOF - DRAIN CONNECTION RE TO ARCH/MEP PLANS F.L. 113.00 @ BUILDING WALL 300' – 6" STORM PIPE @ 1.47%	S-77	28' –18" RCP @ 1.07%	S-127	TYPE E INLET FDOT INDEX NO. 232 GRATE ELEV. 144.30 W. F.L. 124.75 E. F.L. 123.75 S. F.L. 134.30 (24" KNOCKOUT)	S-175	291' – 24" RCP @ 0.15%
		S-78	TYPE S CURB INLET, FDOT INDEX NO. 211 E.O.P. ELEV. 89.79 W.W. F.L. 85.30 S.F.L. 85.30 E.F.L. 85.30	S-128	166' – 18" RCP @ 0.21%	S-176	TYPE P MANHOLE (4'Ø) FDOT INDEX NO. 200 RIM ELEV. 78.50 E. F.L. 70.66 W. F.L. 70.66
S-37	295' – 36" RCP @ 0.21%	S-79	63' – 18" RCP @ 0.48%	S-129	TYPE E INLET FDOT INDEX NO. 232 GRATE ELEV. 139.80 W. F.L. 125.10 E. F.L. 125.10 S. F.L. 129.60 (24" KNOCKOUT)	S-177	310' – 24" RCP @ 0.15%
S-38	TYPE P MANHOLE, FOOT INDEX 200 RIM ELEV = 117.65 N.F.L. = 108.15 S.F.L. = 108.63	S-80	TYPE S CURB INLET, FDOT INDEX NO. 211 E.O.P. ELEV. 89.79 W. F.L. 85.60	S-130	165' – 18" RCP @ 0.21%	S-178	TYPE P MANHOLE (6'Ø) FDOT INDEX NO. 200 RIM ELEV. 81.00 W/ 2 PIECE COVER (36" OPENING) W. F.L. 70.48 N.F.L. 70.48
S-39	THIS NUMBER OMITTED	S-81	126' – 18" RCP @ 0.95%	S-131	TYPE E INLET FDOT INDEX NO. 232 GRATE ELEV. 135.00 W. F.L. 125.70 E. F.L. 125.45 (KNOCK-OUT) E. F.L. 125.45	S-179	THIS NUMBER OMITTED
S-40	THIS NUMBER OMITTED	S-82	TYPE S CURB INLET, FDOT INDEX NO. 211 E.O.P. ELEV. 91.72 N. F.L. 86.50 S. F.L. 86.50 E. F.L. 87.00			S-180	THIS NUMBER OMITTED
S-41	80' – 30" RCP @ 0.19%	S-83	54' – 18" RCP @ 0.47%	S-132	166' – 15" RCP @ 0.24%	S-181	235' – 24" X 38" ERCP @ 0.10%
S-42	TYPE E INLET, FDOT INDEX 232 TOP ELEV 116.54 N.F.L. = 108.78 E.F.L. = 112.88 S.F.L. = 108.78 W.F.L. = 112.88	S-84	TYPE S CURB INLET, FDOT INDEX NO. 211 E.O.P. ELEV. 91.72 W. F.L. 87.30	S-133	TYPE E INLET FDOT INDEX NO. 232 GRATE ELEV. 136.15 E. F.L. 126.10 S. F.L. 128.15 (24" KNOCKOUT)	S-182	TYPE E INLET FDOT INDEX NO. 232 TOP ELEV. 75.50 S. F.L. 70.24 W. F.L. 70.24
S-42A	34' – 24" RCP @ 0.35%	S-85	408'–15" RCP @ 0.20%	S-134	CONCRETE MES, FDOT INDEX NO. 272 (4:1) W/ GROUTED RIP RAP PAD F.L. 75.00	S-183	145' – 30" RCP @ 0.10%
S-42B	SIPHONIC BREAK MANHOLE REFER TO DETAIL, SHEET C-14 REFER TO ARCH/MEP FOR CONTINUATION RIM ELEV 117.94 W.F.L. 113.00 E.F.L. 113.00	S-86	TYPE S CURB INLET, FDOT INDEX 211 EOP ELEV = 89.57 N. F.L. = 87.30 E. F.L. = 96.25 S. F.L. = 87.55	S-135	85' – 30" RCP @ 0.24%	S-184	CONCRETE MES FDOT INDEX NO. 273 (4:1) FL. 70.10
		S-87	60' – 15" RCP @ 0.25%	S-136	TYPE P MANHOLE (5'Ø) FDOT INDEX NO. 200 RIM ELEV. 89.50 W/ 2 PIECE COVER (36" OPENING) W. F.L. 75.30 S.E. F.L. 75.20	OS-4	CONCRETE MES FDOT INDEX NO. 273 (4:1) FL. 70.00
		S-88	TYPE S CURB INLET, FDOT INDEX 211 EOP ELEV = 89.57 W. F.L. = 96.40	S-137	145' – 30" RCP @ 0.48%	OS-5	57' – 24" X 38" ERCP @ 0.19%
S-43	50' – 24" RCP @ 0.35%	S-89	135' – 15" RCP @ 0.26%	S-138	TYPE E INLET W/ TYPE J-BOTTOM FDOT, INDEX NO. 232 & 200 GRATE ELEV. 88.00 W. F.L. 76.10 E. F.L. 76.00 S. F.L. 81.10 (24" KNOCKOUT)	OS-6	CONCRETE MES FDOT INDEX NO. 273 (4:1) FL. 69.85
S-44	TYPE E INLET, FDOT INDEX 200 TOP ELEV = 116.30 W.F.L. 113.05 E. F.L. 113.30 (6" UD)	S-90	TYPE P MANHOLE (4'Ø) FDOT INDEX NO. 200 RIM ELEV = 104.55 N. F.L. = 87.90 S. F.L. = 97.00 W. F.L. = 87.90			OS-7	CONCRETE MES FDOT INDEX NO. 273 (4:1) FL. 68.90
						OS-8	44' – 24" X 38" ERCP @ 0.94%
						OS-9	CONCRETE MES FDOT INDEX NO. 273 (4:1) FL. 68.30

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BRIAN P. CASSIDY LICENSE No. 67373 STATE OF FLORIDA PROFESSIONAL ENGINEER

BRIAN P. CASSIDY, P.E. #67373

APR 03 2017

No.	Date	By	Revision
1	2/17/15	B.P.C.	
2		P.W.R.	
3		H.L.W	
4		B.P.C.	

Designed by:	B.P.C.
Drawn by:	P.W.R.
Checked by:	H.L.W
Approved by:	B.P.C.
Scale:	1" = 100'
Date:	2/17/15
Job No.:	W13392.1

Plans Prepared By:
CPH, Inc.
5200 Belfort Rd., Suite 220
Jacksonville, FL 32256
Ph: 904.332.0999
Licenses:
Eng. C.O.A. No. 3215
Survey L.B. No. 7143
Arch. Llc. No. AA2600926
Lndscp. Llc. No. LC0000298

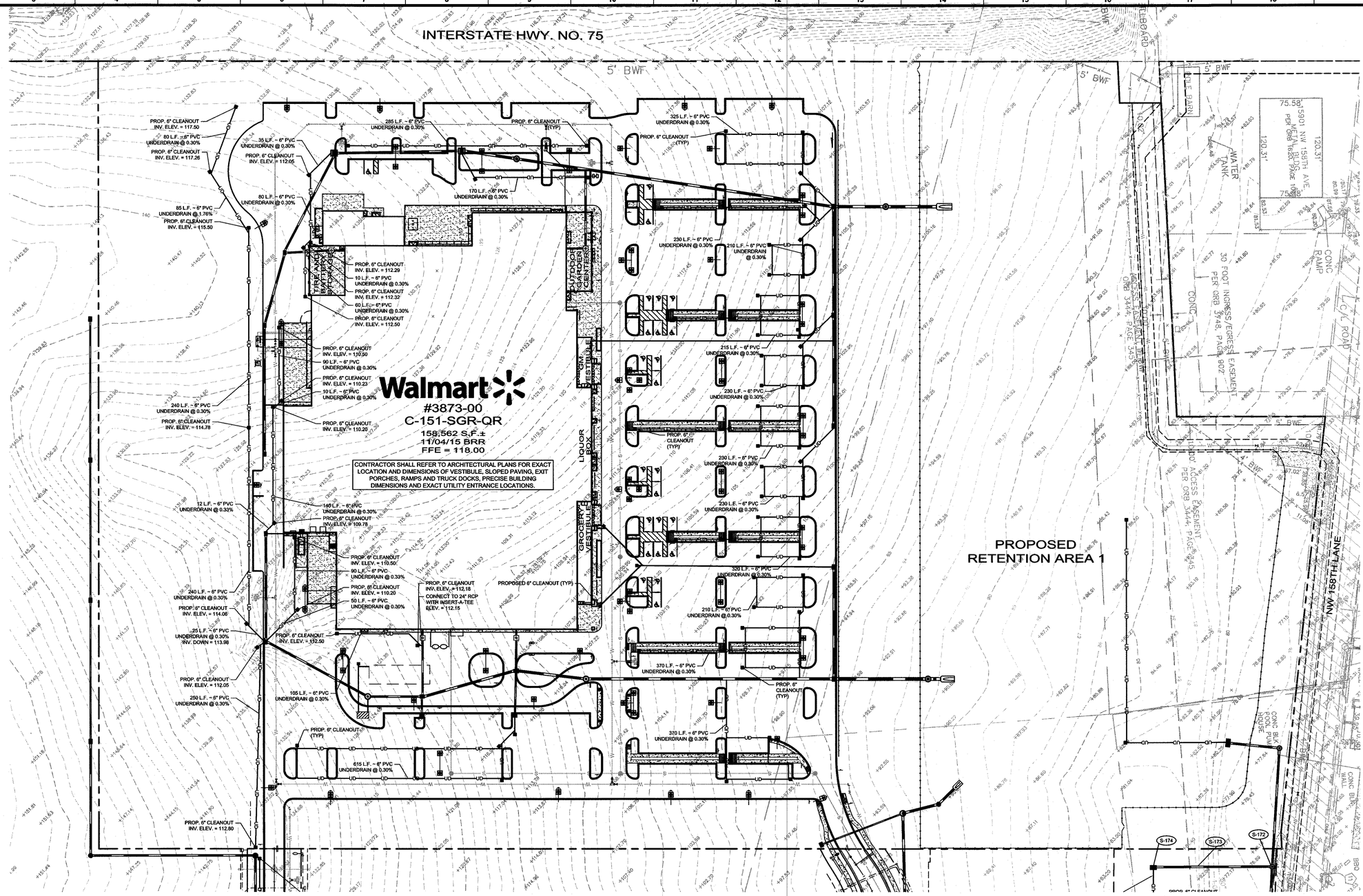
STORM DRAINAGE SCHEDULE

Walmart

STORE NO. 3873-00, ALACHUA (SEC I-75 HWY 441), FLORIDA

Sheet No.
C-7B

J:\W13392.1\Civil\DWG\Design\W13392.1 - C-7 SGP.DWG Jan 24, 2017 - 1:27pm pranucci



GRAPHIC SCALE

0 30 60 120

1 INCH = 60 FEET

NOTES:

1. REFER TO SHEET C-16 FOR TYPICAL UNDERDRAIN DETAILS.
2. REFER TO NOTE #7 ON SHEET C-16 FOR UNDERDRAINS ADJACENT TO THE BUILDING AND TRUCKWELLS.
3. REFER TO SHEETS C-11 & C-11A FOR CROSS SECTIONS.

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BRIAN P. CASSIDY LICENSE No. 67373 STATE OF FLORIDA REGISTERED ENGINEER
BRIAN P. CASSIDY, P.E. 67373

APR 0 3 2017

No.	Revision	By
1		
2		
3		
4		
5		
6		
7		
8		

Designed by:	B.P.C.
Drawn by:	P.W.R.
Checked by:	H.L.W
Approved by:	B.P.C.
Scale:	1" = 60'
Date:	2/17/15
Job No.:	W13392.1

Plans Prepared By:
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UNDERDRAIN PLAN

Walmart

STORE NO. 3873-00, ALACHUA (SEC I-75 HWY 441), FLORIDA

Sheet No.
C-7C

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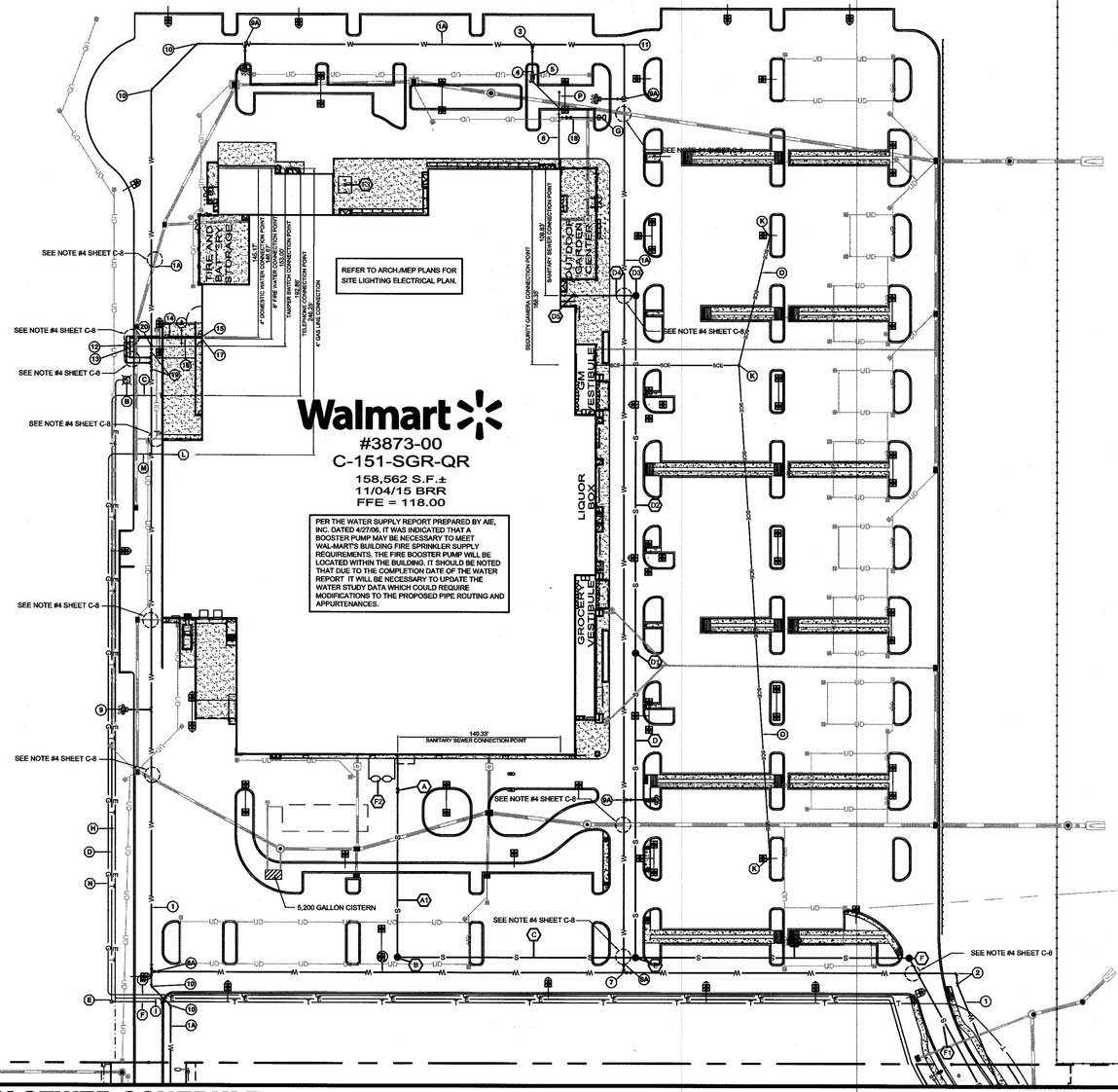
UTILITY LEGEND

- (A) 1" PVC CONDUIT FOR TAMPER SWITCH.
- (B) PROPOSED LOCATION FOR TRANSFORMER W/ CONCRETE PAD AND CONCRETE METER PEDESTAL. CONTRACTOR TO VERIFY EXACT LOCATION AND SIZE OF MATERIALS TO BE INSTALLED WITH CITY OF ALACHUA PRIOR TO ANY INSTALLATION. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF CONCRETE PAD, CONCRETE METER PEDESTAL, CONDUIT AND PIPE BOLLARDS AS REQUIRED BY CITY OF ALACHUA. CONTRACTOR SHALL COORDINATE SAID WORK WITH CITY OF ALACHUA AND REFER TO ARCH./MEP PLANS FOR ADDITIONAL INFORMATION.
- (C) PROPOSED 4" PVC TELEPHONE CONDUIT, INSTALLED BY CONTRACTOR PER WINDSTREAM FLORIDA SPECIFICATIONS. EXTEND CONDUIT 4' BEYOND BACK OF CURB.
- (D) PROPOSED FIBER OPTIC TELEPHONE SERVICE TO BE INSTALLED BY FLORIDA WINDSTREAM. CONTRACTOR SHALL CONTACT WINDSTREAM FLORIDA FOR CONSTRUCTION SCHEDULING (TYP.).
- (E) PROPOSED TELEPHONE PULL BOX LOCATION. CONTRACTOR SHALL PROVIDE & INSTALL PULL BOXES THAT MEET OR EXCEED WINDSTREAM FLORIDA'S SPECIFICATIONS. PULL BOXES INSTALLED IN PAVED AREAS SHALL BE TRAFFIC BEARING. CONTRACTOR SHALL CONTACT WINDSTREAM FLORIDA FOR INSPECTION AND APPROVAL OF SUPPORT STRUCTURES PRIOR TO THEM BEING BACKFILLED (TYP.).
- (F) PROPOSED 4" PVC TELEPHONE CONDUIT, INSTALLED BY CONTRACTOR PER WINDSTREAM FLORIDA SPECIFICATIONS. EXTEND CONDUIT 5' BEYOND CURB & S/W.
- (G) REMOTE GARDEN CENTER YARD HYDRANT
- (H) PROPOSED ELECTRIC SERVICE BY CONTRACTOR. REFER TO ELECTRIC UTILITY SYSTEM DESIGN PLANS FOR ADDITIONAL INFORMATION (TYP.)
- (I) PROP. 3" PVC ELEC. CONDUIT
- (J) THIS LETTER NOT USED
- (K) ALL LP CAMERA PULL BOXES LOCATED IN PAVED AREAS SUBJECT TO TRUCK TRAFFIC SHALL BE "H-20" LOAD RATED. THE TYPICAL PULL BOX SIZE WILL BE 17" X 30" X 28" "QUAZITE" PG1730BA28 BOX WITH PG1730HH00 LID, OR APPROVED EQUAL. DEEPER BOXES MAY BE REQUIRED WHEN THE CONDUIT ALIGNMENT IS AFFECTED BY OTHER UTILITIES. THE PULL BOX SHALL BE INSTALLED PER THE MANUFACTURER'S SPECIFICATION WITH A CONCRETE COLLAR AND A MINIMUM OF 8" OF GRAVEL COMPACTED PER PROJECT SPECIFICATIONS.
- (L) PROPOSED GAS ENTRY WITH GAS METER AT BUILDING. CONTRACTOR RESPONSIBLE FOR INSTALLING PIPE BOLLARDS AT METER. CONTRACTOR SHALL COORDINATE WITH GRU FOR CONSTRUCTION SCHEDULING.
- (M) PROPOSED 6" PVC GAS CONDUIT TO BE INSTALLED BY CONTRACTOR EXTEND CONDUIT 3' BEYOND CURB PER GRU SPECS.
- (N) PROPOSED 4" GAS MAIN TO BE INSTALLED BY GRU. CONTRACTOR SHALL CONTACT GRU FOR CONSTRUCTION SCHEDULING (TYP.).
- (O) PROPOSED (1) 2" CONDUIT TO LIGHT POLE BASE FOR SECURITY CAMERA REFER TO SHEET C-12 FOR LIGHT POLE DETAIL AND CONDUIT SPECIFICATIONS.
- (P) PROPOSED (2) 1" CONDUITS FOR IRRIGATION CONTROLLER TO TERMINATE AT IRRIGATION CONTROLLER

POTABLE WATER SCHEDULE

- (1) PROPOSED 12" PVC (C-900 DR 18) WATER LINE
- (1A) PROPOSED 8" PVC (C-900 DR 18) WATER LINE
- (2) PROPOSED 12" 90° BEND AND 22.5° BEND
- (3) PROPOSED 8" X 4" M.J. TEE W/ 4" G.V. W/ 4" PVC WATERLINE TO METER
- (4) 3" WATER METER (BY CITY) & 1-1/2" RPZ BACKFLOW DEVICE PER CITY SPECIFICATIONS (BY CONTRACTOR) FOR GARDEN CENTER IRRIGATION & 3" RPZ BACKFLOW DEVICE PER CITY SPECIFICATIONS (BY CONTRACTOR) FOR SITE IRRIGATION, (SEE BLOW-UP "B", SHT. C-17)
- (5) PROPOSED WATERLINE FOR SITE IRRIGATION, REFER TO IRRIGATION PLANS FOR CONTINUATION.
- (6) PROPOSED 2" WATER SERVICE LINE (PVC SCH 40). PRIVATE SERVICE LINE
- (7) PROPOSED 12" X 8" TEE W/ 8" G.V. (W) & 12" G.V. (N)
- (8) PROPOSED 12" 90° BEND W/ 8" G.V. (N,W)
- (8A) PROPOSED 12" TEE W/ 12" X 8" REDUCER (E) W/ 12" G.V. (N,W)
- (9) PROPOSED 12" X 6" ANCHORING TEE W/ FIRE HYDRANT ASSEMBLY
- (9A) PROPOSED 8" X 6" ANCHORING TEE W/ FIRE HYDRANT ASSEMBLY
- (10) PROPOSED 8" 45° BEND
- (11) PROPOSED 8" 90° BEND
- (12) PROPOSED 3" REDUCE PRESSURE ZONE BFP - ASSEMBLY - WIKLKINS 375 BACKFLOW DEVICE (BY CONTRACTOR) AND METER (BY CITY) PER CITY AND WAL-MART SPECIFICATIONS. (SEE BLOW-UP "A", SHT, C-17)
- (13) PROPOSED DOUBLE DETECTOR CHECK BFP ASSEMBLY - WILKINS 350 ADA BACKFLOW DEVICE W/ TAMPER SWITCH (BY CONTRACTOR) PER CITY & WAL-MART SPECIFICATIONS. (SEE BLOW-UP "A", SHT. C-17)
- (14) PROPOSED 4" PVC (C-900 DR-18) PVC WATER LINE
- (15) PROPOSED 4" DOMESTIC WATER ENTRY RE: ARCH/MEP PLANS
- (16) PROPOSED 8" PVC (C-900 DR 14) WATER LINE
- (17) PROPOSED 8" FIRE WATER ENTRY RE: ARCH/MEP PLANS
- (18) PROPOSED 1" (PVC SCH 40) WATER LINE TO YARD HYDRANT
- (19) PROPOSED 12" GATE VALVE
- (20) PROPOSED 12"x8" REDUCER



SANITARY SEWER SCHEDULE

- (A) SANITARY SEWER CONNECTION POINT LIMIT OF CIVIL DESIGN. 6" CLEAN OUT (TRAFFIC BEARING RATED C.O. COVER). REFER TO ARCH./MEP PLANS FOR CONTINUATION.
  C.O. COVER ELEV. 117.05
  C.O. INV. ELEV. 110.60
- (A1) 145' – 6" SAN. SEWER P.V.C.(SDR 35) @ 2.33%
- (B) SANITARY SEWER MANHOLE W/ 2 PIECE COVER RIM. ELEV. 119.35 (36" OPENING)
  W. INV. 107.22
  N. INV. 107.12
- (C) 203' – 8" SAN. SEWER P.V.C.(SDR 35) @ 0.40%
- (D) 260' – 8" SAN. SEWER P.V.C.(SDR 35) @ 0.40%
- (D1) SANITARY SEWER MANHOLE W/ 2 PIECE COVER RIM. ELEV. 117.30 (36" OPENING)
  E. INV. 104.20
  W. INV. 104.30
- (D2) 302' – 8" SAN. SEWER P.V.C.(SDR 35) @ 0.40%
- (D3) SANITARY SEWER MANHOLE W/ 2 PIECE COVER RIM. ELEV. 117.30 (36" OPENING)
  E. INV. 105.50
  S. INV. 105.60
- (D4) 52' – 8" SAN. SEWER P.V.C.(SDR 35) @ 10.38%
- (D5) SANITARY SEWER CONNECTION POINT LIMIT OF CIVIL DESIGN. 6" CLEAN OUT (TRAFFIC BEARING RATED C.O. COVER). REFER TO ARCH./MEP PLANS FOR CONTINUATION.
  C.O. COVER ELEV. 117.90
  C.O. INV. ELEV. 111.00
- (E) SANITARY SEWER MANHOLE W/ 2 PIECE COVER RIM. ELEV. 118.35 (36" OPENING) (DROP MANHOLE)
  W. INV. 103.00
  N. INV. 103.10
  S. INV. 106.30
- (E1) 227' – 8" SAN. SEWER P.V.C.(SDR 35) @ 0.40%
- (F) SANITARY SEWER MANHOLE W/ 2 PIECE COVER RIM. ELEV. 113.70 (36" OPENING)
  NE. INV. 102.00
  S. INV. 102.10
- (F1) 160' – 8" SAN. SEWER P.V.C.(SDR 35) @ 0.56%
- (F2) PROPOSED (2) 750 GAL. GREASE INTERCEPTORS, RE: ARCH / MEP PLANS
- (F3) PROPOSED OIL INTERCEPTOR, RE: ARCH / MEP PLANS

MATCH LINE - REFER TO SHEET C-8A

GRAPHIC SCALE
0 30 60 120
1 INCH = 60 FEET

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NOTES:

1. UTILITY EASEMENTS WILL BE PROVIDED AS NECESSARY.
2. FINAL UTILITY LAYOUT TO BE COORDINATED WITH THE CITY OF ALACHUA PUBLIC WORKS DEPARTMENT. REFER TO SHEET C-5 FOR GENERAL UTILITY NOTES.
3. PIPE CROSSING AT THIS LOCATION SHALL BE 12" MINIMUM
4. CLEARANCE. CONTRACTOR SHALL USE EXTREME CAUTION DURING CONSTRUCTION.
5. REFER TO ELECTRIC UTILITY SYSTEM DESIGN PLANS, SHEETS E1 THRU E9 FOR ROADWAY ELECTRIC SERVICE DESIGN & SPECIFICATIONS.
6. CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF EXIST. 2" PVC WATER LINE AND DETERMINE IF STILL ACTIVE. IF EXISTING LINE IS ACTIVE AND WILL BE IMPACTED BY PROPOSED DRIVEWAY IMPROVEMENTS, THEN LINE SHALL BE RELOCATED AS REQUIRED.
7. CONTRACTOR SHALL INSTALL 10 GAUGE SOLID CORE TRACER WIRE ON ALL NON-FERROUS PIPE 2" AND LARGER.
8. ALL METER BOXES AND/OR VALVE BODY BOXES SHALL HAVE 10 GAUGE SOLID CORE TRACER WIRE.
9. ALL THREADED PVC FITTINGS SHALL BE SCH. 80 PVC AND SOLVENT WELDED WITH OATEY NO. 30757 PURPLE PRIMER AND OATEY NO. 30893 MEDIUM PVC CEMENT.

LEGEND

- S = PROP. SANITARY SEWER LINE
- FW = PROP. FIRE WATER LINE
- W = PROP. WATER MAIN
- = PROP. STORM SEWER PIPE
- G = PROP. GAS MAIN
- E = PROP. UNDERGROUND PRIMARY ELECTRIC SERVICE
- T = PROP. UNDERGROUND TELEPHONE SERVICE
- IC = PROP. CONDUIT FOR IRRIGATION CONTROLS
- SCE = PROP. CONDUIT FOR SECURITY CAMERA ELECTRIC
- GE = PROP. CONDUIT FOR UTILITY BOLLARD ELECTRIC
- TS = PROP. CONDUIT FOR FIRE PROTECTION TAMPER SWITCH
- SE = PROP. CONDUIT FOR SECONDARY ELECTRIC SERVICE
- AV = PROP. LOT LIGHT W/ MODEL TYPE
- AV CAM = PROP. LOT LIGHT W/ MODEL TYPE & SECURITY CAMERA

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Survey L.B. No. 7143
Arch. Lic. No. AA2600926
Lndscp. Lic. No. LC0000298

No.	Date	Revision	By
1	2/17/15		

Designed by: B.P.C.
Drawn by: P.W.R.
Checked by: H.L.W
Approved by: B.P.C.
Scale: 1" = 60'
Date: 2/17/15
Job No.: W13392.1
© 2017

APR 03 2017

COMPOSITE UTILITY PLAN

Walmart

STORE NO. 3873-00, ALACHUA (SEC I-75 HWY 441), FLORIDA

Sheet No. C-8

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SANITARY SEWER SCHEDULE

MATCH LINE - REFER TO SHEET C-8

PROPOSED 8" X 6" ANCHORING TEE W/ FIRE HYDRANT ASSEMBLY

(Q) 6'Ø SANITARY SEWER DROP MANHOLE W/ 2 PIECE COVER
RIM. ELEV. 104.09 (36" OPENING)
SW. INV. 101.20
E. INV. 94.70

(G1) 147 ± 8" SAN. SEWER P.V.C.(SDR 35) @ 4.00%

(H) SANITARY SEWER MANHOLE W/ 2 PIECE COVER
RIM. ELEV. 98.10 (36" OPENING)
S. INV. 88.80
N. INV. 88.80
W. INV. 88.80
E. INV. 88.70

(H1) 50' ± 6" SAN. SEWER P.V.C. (SDR 35) @ 1.00% TO MANHOLE H
C.O. COVER ELEV. 95.00
C.O. INV. 89.30

(H2) 50' ± 6" SAN. SEWER P.V.C. (SDR 35) @ 1.00% TO MANHOLE H
C.O. COVER ELEV. 95.00
C.O. INV. 89.30

(H3) 310' ± 8" SAN. SEWER P.V.C.(SDR 35) @ 2.48%

(H4) 8" X 6" WYE W/ 50' ± 6" SAN. SEWER P.V.C. (SDR 35) @ 1.12% TO 6" C.O. LOCATION
C.O. COVER ELEV. 93.00
C.O. INV. 85.55

(H5) 8" X 6" WYE W/ 50' ± 6" SAN. SEWER P.V.C. (SDR 35) @ 1.00% TO 6" C.O. LOCATION
C.O. COVER ELEV. 92.00
C.O. INV. 85.55

(I) 6'Ø SANITARY SEWER DROP MANHOLE W/ 2 PIECE COVER
RIM. ELEV. 91.84 (36" OPENING)
N. INV. 80.95
S. INV. 87.50
W. INV. 81.00
E. INV. 80.90

(I1) 50' ± 6" SAN. SEWER P.V.C.(SDR 35) @ 1.00% TO MANHOLE I
C.O. COVER ELEV. 91.50
C.O. INV. 88.00

(I2) 50' ± 6" SAN. SEWER P.V.C. (SDR 35) @ 1.00% TO MANHOLE I
C.O. COVER ELEV. 90.00
C.O. INV. 81.45

(I3) 316' ± 8" SAN. SEWER P.V.C.(SDR 35) @ 0.55%

(I4) 8" X 6" WYE W/ 50' ± 6" SAN. SEWER P.V.C. (SDR 35) @ 10.34% TO 6" C.O. LOCATION
C.O. COVER ELEV. 89.00
C.O. INV. 85.33

(I5) PROPOSED STUB OUT SHALL BE USED AS OUT PARCEL 1 SANITARY SEWER SERVICE CONNECTION POINT. MARK STUB OUT FOR FOR FUTURE REFERENCE.

(J) 8" X 6" WYE W/ 50' ± 6" SAN. SEWER P.V.C. (SDR 35) @ 2.74% TO 10 6" C.O. LOCATION
C.O. COVER ELEV. 88.00
C.O. INV. 81.55

(J1) PROPOSED 8" TEE W/ 8" G.V. (S.)

(L) SANITARY SEWER DROP MANHOLE (6' Ø) W/ 2 PIECE COVER
RIM. ELEV. 94.90 (36" OPENING)
S. INV. 85.00
N. INV. 84.90

(L1) 55' ± 8" SAN. SEWER DIP (C-350) @ 0.41%

(L2) SANITARY SEWER DROP MANHOLE (6' Ø) W/ 2 PIECE COVER
RIM. ELEV. 96.25 (36" OPENING)
N. INV. 85.25
S. INV. 82.66 (PROP. TOP EXTERNAL DROP)
E. INV. 85.35
S. INV. 85.35 (PROP. BOTTOM EXTERNAL DROP)
W. INV. 89.26 (PROP. TOP EXTERNAL DROP)
W. INV. 85.35 (PROP. BOTTOM EXTERNAL DROP)

(L3) 380' ± 8" SAN. SEWER D.I.P. (C-350) @ 0.40%

(L4) 6'Ø SANITARY SEWER DROP MANHOLE W/ 2 PIECE COVER
RIM. ELEV. 106.06 (36" OPENING)
N. INV. 84.30
S. INV. 84.40
W. INV. 95.3 (PROP. TOP EXTERNAL DROP)
W. INV. 84.4 (PROP. BOTTOM EXTERNAL DROP)
E. INV. 100.0 (PROP. TOP EXTERNAL DROP)
E. INV. 84.4 (PROP. BOTTOM EXTERNAL DROP)

(L5) 175' ± 8" SAN. SEWER D.I.P. (C-350) @ 0.40%

(L6) PLUG INV. ELEV. 85.1±

(L7) 72' ± 8" SAN. SEWER P.V.C. (SDR 35) @ 1.00%
C.O. COVER ELEV. 106.00
C.O. INV. 100.45

(L8) 45' ± 8" SAN. SEWER P.V.C.(SDR 35) @ 1.00%
C.O. COVER ELEV. 89.00
C.O. INV. 76.75

(M) 150' ± 8" SAN. SEWER D.I.P. (C-350) @ 0.40%

(N) SANITARY SEWER MANHOLE (6' Ø) W/ 2 PIECE COVER
RIM. ELEV. 91.37 (36" OPENING)
S.E. INV. 66.05
N.W. INV. 85.95

(N1) 208' ± 8" SAN. SEWER D.I.P. (C-350) @ 0.40%

(N2) 50' ± 8" SAN. SEWER P.V.C. (SDR 35) @ 1.00%
C.O. COVER ELEV. 88.00
C.O. INV. 84.50

(O) SANITARY SEWER MANHOLE (6' Ø) W/ 2 PIECE COVER
RIM. ELEV. 87.22 (36" OPENING)
S.E. INV. 67.00
N.W. INV. 66.90

(O1) REMOVE PLUG THEN CONNECT & EXTEND EXISTING 8" SANITARY SEWER PIPE FOR CONNECTION TO PROPOSED MANHOLE (O) USING EXISTING PIPE SLOPE & ALIGNMENT.

(O2) 27' ± 8" SAN. SEWER P.V.C.(SDR 26) @ 9.40% ± (FIELD VERIFY)
PLUG INV. ELEV. 67.15± (FIELD VERIFY)

(O3) 131' ± 8" SAN. SEWER P.V.C. STUB OUT @ 0.40% ± (EXISTING)(FIELD VERIFY)
EXISTING SAN. SEWER INFORMATION WAS BASED ON DESIGN PLANS FOR N.W. 151ST BLVD. EXTENSION PREPARED BY C&E, DATED 5-16-03. NOT BASED ON ACTUAL FIELD SURVEY DATA.

(O4) EXISTING SANITARY SEWER MANHOLE
RIM. ELEV. 85.13 (FIELD VERIFY)
S. INV. 70.93 (FIELD VERIFY)
BOTTOM ELEV. 67.67
DUE TO WATER INFILTRATION & M.H. DEPTH, EXISTING N.E. & S.E. INVERTS COULD NOT BE OBTAINED.

(P) SANITARY SEWER DROP MANHOLE (6' Ø) W/ 2 PIECE COVER
RIM. ELEV. 88.79 (36" OPENING)
E. INV. 77.30 (PROP. EXTERNAL TOP DROP)
E. INV. 63.60 (PROP. EXTERNAL BOTTOM DROP)
W. INV. 79.15 (PROP. EXTERNAL TOP DROP)
W. INV. 63.60 (PROP. EXTERNAL BOTTOM DROP)
S. INV. 63.38
N. INV. 63.28

(P1) 305' ± 8" SAN. SEWER D.I.P. (C-350) @ 0.42%

(P2) 43' ± 6" SAN. SEWER P.V.C. (SDR 35) @ 1.05% TO MANHOLE P
C.O. COVER ELEV. 89.00
C.O. INV. 76.75

(P3) 380' ± 8" SAN. SEWER D.I.P. (C-350) @ 0.42%

(P4) 45' ± 6" SAN. SEWER P.V.C.(SDR 35) @ 1.00%
C.O. COVER ELEV. 87.00
C.O. INV. 76.00

(Q) SANITARY SEWER DROP MANHOLE (6' Ø) W/ 2 PIECE COVER
RIM. ELEV. 85.22 (36" OPENING)
E. INV. 61.89 (PROP. BOTTOM EXTERNAL DROP)
W. INV. 61.99 (PROP. BOTTOM EXTERNAL DROP)
S. INV. 61.99
E. INV. 73.90 (PROP. TOP EXTERNAL DROP)
W. INV. 73.60 (PROP. TOP EXTERNAL DROP)
N. INV. 61.89 (PROP. BOTTOM EXTERNAL DROP)

(Q1) 80' ± 8" SAN. SEWER P.V.C. (SDR 35) @ 1.00% TO MANHOLE TBD
C.O. COVER ELEV. 83.00
C.O. INV. 74.40

(Q2) 38' ± 6" SAN. SEWER P.V.C. (SDR 35) @ 1.05% TO MANHOLE Q
C.O. COVER ELEV. 84.50
C.O. INV. 74.30

(Q3) 180' ± 8" SAN. SEWER D.I.P. (C-350) @ 0.41%

(R) SANITARY SEWER (6' Ø) W/ 2 PIECE COVER
RIM. ELEV. 81.55 (36" OPENING)
E. INV. 72.00 (PROP. TOP EXTERNAL DROP)
W. INV. 71.75 (PROP. TOP EXTERNAL DROP)
S. INV. 61.15
N. INV. 61.05
E. INV. 61.15 (PROP. BOTTOM EXTERNAL DROP)
W. INV. 61.15 (PROP. BOTTOM EXTERNAL DROP)

(R1) 80' ± 8" SAN. SEWER P.V.C. (SDR 35) @ 0.40% TO MANHOLE R
C.O. COVER ELEV. 82.00
C.O. INV. 72.10

(R2) 43' ± 6" SAN. SEWER P.V.C. (SDR 35) @ 1.05% TO MANHOLE R
C.O. COVER ELEV. 80.00
C.O. INV. 72.45

(R3) 379' ± 8" SAN. SEWER P.V.C.(SDR 35) @ 0.43%

(S) 95' ± 8" SAN. SEWER P.V.C.(SDR 35) @ 0.4%

(S1) SANITARY SEWER DROP MANHOLE (6' Ø) W/ 2 PIECE COVER
RIM. ELEV. 106.84 (36" OPENING)
W. INV. 99.80 (PROP. EXTERNAL TOP DROP)
W. INV. 85.78 (PROP. EXTERNAL BOTTOM DROP)
E. INV. 85.68

(S2) 280' ± 8" SAN. SEWER P.V.C.(SDR 35) @ 0.40%

(S3) 33' ± 6" SAN. SEWER P.V.C. (SDR 35) @ 1.00%
C.O. COVER ELEV. 109.00
C.O. INV. 100.47

(S4) 33' ± 6" SAN. SEWER P.V.C. (SDR 35) @ 1.00%
C.O. COVER ELEV. 108.00
C.O. INV. 100.47

(S5) SANITARY SEWER DROP MANHOLE (6' Ø) W/ 2 PIECE COVER
RIM. ELEV. 112.38 (36" OPENING)
W. INV. 107.50 (PROP. EXTERNAL TOP DROP)
W. INV. 101.02 (PROP. EXTERNAL BOTTOM DROP)
E. INV. 100.92
N. INV. 101.02
S. INV. 101.02

(S6) 33' ± 6" SAN. SEWER P.V.C. (SDR 35) @ 1.00%
C.O. COVER ELEV. 113.00
C.O. INV. 101.35

(S7) 33' ± 6" SAN. SEWER P.V.C. (SDR 35) @ 1.00%
C.O. COVER ELEV. 113.00
C.O. INV. 101.35

(S8) 284' ± 8" SAN. SEWER P.V.C.(SDR 35) @ 0.4%

(T) SANITARY SEWER DROP MANHOLE (6' Ø) W/ 2 PIECE COVER
RIM. ELEV. 116.34 (36" OPENING)
E. INV. 108.63
N. INV. 108.73
S. INV. 108.73

(T1) 33' ± 6" SAN. SEWER P.V.C. (SDR 35) @ 1.00%
C.O. COVER ELEV. 118.50
C.O. INV. 109.06

(T2) 33' ± 6" SAN. SEWER P.V.C. (SDR 35) @ 1.00%
C.O. COVER ELEV. 118.50
C.O. INV. 109.06

PROPOSED 8" PVC (C 900 DR 18) SERVICE STUB OUT WITH 8" PLUG, 3" BLOW OFF & 1" SAMPLE POINT.

PROPOSED 8" TEE W/ 8" G.V. (S.)

PROPOSED 8" PVC (C 900 DR 18) SERVICE STUB OUT WITH 8" PLUG, 3" BLOW OFF & 1" SAMPLE POINT.

PROPOSED 8" PVC (C 900 DR18) WATER LINE

PROPOSED 8" PVC (C 900 DR 18) SERVICE STUB OUT WITH 8" PLUG, 3" BLOW OFF & 1" SAMPLE POINT.

PROPOSED 8" 11-1/4" BEND

PROPOSED 8" X 6" ANCHORING TEE W/ FIRE HYDRANT ASSEMBLY

PROPOSED 8" 22-1/2° BEND

PROPOSED 12" X 8" TEE W/ 12" G.V. (N,S)

PROPOSED 12" PVC (C 900 DR 18) SERVICE STUB OUT WITH 12" PLUG, 3" BLOW OFF & 1" SAMPLE POINT.

PROPOSED PUE (EXACT WIDTH T.B.D.)

PROPOSED 8" G.V.

SEE NOTE 4, SHEET C-8

PROPOSED 12" X 12" TEE W/ 12" GATE VALVES (N,S & W)

PROPOSED 12" 11-1/4" BEND

PROPOSED 6" PVC CONDUIT, INSTALLED BY CONTRACTOR. EXTEND CONDUIT 5' BEYOND CURB PER GRU SPECIFICATIONS (TYP.).

PROPOSED PUE (EXACT WIDTH T.B.D.)

PROPOSED 12" X 2" SERVICE SADDLE AND 2" G.V. W/ 2" (P.V.C. SCH 40 SOLVENT WELD) WATER SERVICE STUB-OUT. (FOR FUTURE PARK)

PROPOSED 2" WATER SERVICE STUB-OUT (PVC SCH 40) PLACED INSIDE 3" P.V.C. SCH 40 SLEEVE W/ SLEEVE EXTENDING 3' MIN. PAST CURB.

PROPOSED ELECTRIC SERVICE BY CONTRACTOR. REFER TO ELECTRIC UTILITY SYSTEM DESIGN PLANS FOR ADDITIONAL INFORMATION (TYP.)

PROPOSED (2) 12" 45° BEND

CONNECT PROPOSED WATER MAIN TO EXISTING 12" WATER MAIN STUB OUT AT APPROXIMATE LOCATION SHOWN (FIELD VERIFY). CONTRACTOR SHALL REMOVE PLUG AND CONNECT PROPOSED WATER MAIN, VALVE SHALL REMAIN IN CLOSED POSITION UNTIL NEW WATER MAIN HAS BEEN CLEARED THROUGH F.D.E.P. PRIOR TO PUTTING LINE INTO SERVICE. CONTRACTOR SHALL COORDINATE WITH CITY UTILITY DEPT. IN ORDER TO BLEED EXISTING VALVE TO FILL NEW WATER MAIN FOR REQUIRED TESTING.

PROPOSED 12" X 6" ANCHORING TEE W/ FIRE HYDRANT ASSEMBLY

PROPOSED 12" X 8" TEE W/ 8" G.V. (S.)

PROPOSED 12" X 6" ANCHORING TEE W/ FIRE HYDRANT ASSEMBLY

PROPOSED 12" X 8" TEE W/ 8" G.V. (S.)

PROPOSED 12" X 2" SERVICE SADDLE AND 2" G.V. W/ 2" (P.V.C. SCH 40 SOLVENT WELD) WATER SERVICE STUB-OUT.

PROPOSED 2" WATER SERVICE STUB OUT (SDR-PR PE) W/ THREADED CAP, MARKED FOR FUTURE IDENTIFICATION.

PROPOSED 12" X 2" SERVICE SADDLE AND 2" G.V. W/ 2" (P.V.C. SCH 40 SOLVENT WELD) WATER SERVICE STUB-OUT.

PROPOSED 2" WATER SERVICE STUB OUT (SDR-PR PE) W/ THREADED CAP, MARKED FOR FUTURE IDENTIFICATION.

PROPOSED 12" X 6" ANCHORING TEE W/ FIRE HYDRANT ASSEMBLY

PROPOSED 12" X 8" TEE W/ 12" GATE VALVES (N, S, & W)

PROPOSED 12" PVC (C900 DR18) WATER LINE

PROPOSED 12" X 2" SERVICE SADDLE & CORPORATION STOP

PROPOSED 2" WATER SERVICE STUB OUT (SDR-PR PE) W/ THREADED CAP, MARKED FOR FUTURE IDENTIFICATION.

PROPOSED PUE (EXACT WIDTH T.B.D.)

PROPOSED 12" X 2" SERVICE SADDLE AND 2" G.V. W/ 2" (P.V.C. SCH 40 SOLVENT WELD) WATER SERVICE STUB-OUT.

PROPOSED 12" 11-1/4" BEND

PROPOSED 2" WATER SERVICE STUB OUT (SDR-PR PE) W/ THREADED CAP, MARKED FOR FUTURE IDENTIFICATION.

PROPOSED 12" X 6" ANCHORING TEE W/ FIRE HYDRANT ASSEMBLY

PROPOSED 16" X 6" ANCHORING TEE W/ FIRE HYDRANT ASSEMBLY

PROPOSED 16" X 12" REDUCER

PROPOSED 16" 11-1/4" BEND

PROPOSED 16" 45° BEND

PROPOSED 16" TEE W/ 16" GATE VALVES (ALL CONNECTIONS)

PROPOSED 4" GAS MAIN TO BE INSTALLED BY GRU. CONTRACTOR SHALL CONTACT GRU FOR CONSTRUCTION SCHEDULING.

PROPOSED 4" GAS MAIN WILL TIE INTO EXISTING MAIN AT THIS APPROXIMATE LOCATION FOR NEW SERVICE ROUTE BY GRU.

PROPOSED 16" PVC (C 905 DR18) WATER LINE

PROPOSED 16" G.V.

PROPOSED 4" PVC TELEPHONE CONDUIT, INSTALLED BY CONTRACTOR PER WINDSTREAM FLORIDA SPECIFICATIONS. EXTEND CONDUIT 5' BEYOND S/W.

PROPOSED 4" PVC GAS CONDUIT, INSTALLED BY CONTRACTOR. EXTEND CONDUIT TO SOUTH R/W & 10' BEYOND NORTH RW PER GRU SPECIFICATIONS (TYP. OF 3 ALONG SELLER RD. 2).

PROPOSED 2" WATER SERVICE STUB OUT (SDR-PR PE) W/ THREADED CAP, MARKED FOR FUTURE IDENTIFICATION.

PROPOSED 12" X 2" SERVICE SADDLE AND 2" G.V. W/ 2" (P.V.C. SCH 40 SOLVENT WELD) WATER SERVICE STUB-OUT.

PROPOSED 12" X 8" TEE W/ 8" G.V. (S.)

PROPOSED 12" 11-1/4" BEND

PROPOSED 12" X 12" TEE W/ 12" GATE VALVES (N,S & W)

PROPOSED 6" PVC CONDUIT, INSTALLED BY CONTRACTOR. EXTEND CONDUIT 5' BEYOND CURB PER GRU SPECIFICATIONS (TYP.).

PROPOSED PUE (EXACT WIDTH T.B.D.)

PROPOSED 12" X 2" SERVICE SADDLE AND 2" G.V. W/ 2" (P.V.C. SCH 40 SOLVENT WELD) WATER SERVICE STUB-OUT. (FOR FUTURE PARK)

PROPOSED 2" WATER SERVICE STUB-OUT (PVC SCH 40) PLACED INSIDE 3" P.V.C. SCH 40 SLEEVE W/ SLEEVE EXTENDING 3' MIN. PAST CURB.

PROPOSED ELECTRIC SERVICE BY CONTRACTOR. REFER TO ELECTRIC UTILITY SYSTEM DESIGN PLANS FOR ADDITIONAL INFORMATION (TYP.)

PROPOSED (2) 12" 45° BEND

CONTRACTOR TO COORDINATE GAS SERVICE STUB OUT W/ GRU FOR OUT PARCEL 1 FUTURE CONNECTION.

PROPOSED 6" PVC CONDUIT, INSTALLED BY CONTRACTOR. EXTEND CONDUIT TO R/W PER GRU SPECIFICATIONS.

PROPOSED 6" PVC CONDUIT, INSTALLED BY CONTRACTOR. EXTEND CONDUIT 5' BEYOND CURB PER GRU SPECIFICATIONS.

PROPOSED 8" PVC (C 900 DR 18) SERVICE STUB OUT WITH 8" PLUG, 3" BLOW OFF & 1" SAMPLE POINT.

PROPOSED PUE (EXACT WIDTH T.B.D.)

PROPOSED 8" PVC (C 900 DR 18) SERVICE STUB OUT WITH 8" PLUG, 3" BLOW OFF & 1" SAMPLE POINT.

PROPOSED PUE (EXACT WIDTH T.B.D.)

PROPOSED 12" PVC (C 900 DR 18) SERVICE STUB OUT WITH 12" PLUG, 3" BLOW OFF & 1" SAMPLE POINT.

PROPOSED 8" G.V.

SEE NOTE 4, SHEET C-8

PROPOSED 12" X 12" TEE W/ 12" GATE VALVES (N,S & W)

PROPOSED 12" 11-1/4" BEND

PROPOSED 12" 11-1/4" BEND

PROPOSED 12" X 2" SERVICE SADDLE AND 2" G.V. W/ 2" (P.V.C. SCH 40 SOLVENT WELD) WATER SERVICE STUB-OUT.

PROPOSED 12" PVC (C900 DR18) WATER LINE

PROPOSED 12" X 2" SERVICE SADDLE & CORPORATION STOP

PROPOSED 2" WATER SERVICE STUB OUT (SDR-PR PE) W/ THREADED CAP, MARKED FOR FUTURE IDENTIFICATION.

PROPOSED PUE (EXACT WIDTH T.B.D.)

PROPOSED 12" X 2" SERVICE SADDLE AND 2" G.V. W/ 2" (P.V.C. SCH 40 SOLVENT WELD) WATER SERVICE STUB-OUT.

PROPOSED 12" 11-1/4" BEND

PROPOSED 2" WATER SERVICE STUB OUT (SDR-PR PE) W/ THREADED CAP, MARKED FOR FUTURE IDENTIFICATION.

PROPOSED 12" X 6" ANCHORING TEE W/ FIRE HYDRANT ASSEMBLY

PROPOSED 16" X 6" ANCHORING TEE W/ FIRE HYDRANT ASSEMBLY

PROPOSED 16" X 12" REDUCER

PROPOSED 16" 11-1/4" BEND

PROPOSED 16" 45° BEND

PROPOSED 16" TEE W/ 16" GATE VALVES (ALL CONNECTIONS)

PROPOSED 4" GAS MAIN TO BE INSTALLED BY GRU. CONTRACTOR SHALL CONTACT GRU FOR CONSTRUCTION SCHEDULING.

PROPOSED 4" GAS MAIN WILL TIE INTO EXISTING MAIN AT THIS APPROXIMATE LOCATION FOR NEW SERVICE ROUTE BY GRU.

PROPOSED 16" PVC (C 905 DR18) WATER LINE

PROPOSED 16" G.V.

PROPOSED 4" PVC TELEPHONE CONDUIT, INSTALLED BY CONTRACTOR PER WINDSTREAM FLORIDA SPECIFICATIONS. EXTEND CONDUIT 5' BEYOND CURB & S/W (TYP.).

PROPOSED 4" PVC GAS CONDUIT, INSTALLED BY CONTRACTOR. EXTEND CONDUIT TO EAST R/W & 10' BEYOND WEST R/W PER GRU SPECIFICATIONS. (TYP. OF 2 ALONG ENTRANCE ROAD)

PROP. 4" PVC TELE. CONDUIT (TYP.)

PROPOSED PUE (EXACT WIDTH T.B.D)

PROPOSED 16" 11-1/4" BEND

SEE NOTE 4, SHEET C-8

EXISTING 6" WATER MAIN

EXISTING 2" WATER MAIN. REFER TO NOTE 8, SHEET C-8.

EXISTING 6" FORCE MAIN

EXISTING ELECTRICAL POLES TO BE RELOCATED. COORDINATE RELOCATION WITH CITY OF ALACHUA

EXISTING ELECTRICAL POLES TO BE RELOCATED. COORDINATE RELOCATION WITH CITY OF ALACHUA

EXISTING 8" GAS MAIN. (FIELD VERIFY)

EXISTING ELECTRICAL POLES TO BE RELOCATED. COORDINATE RELOCATION WITH CITY OF ALACHUA

EXISTING ELECTRICAL & SEWER INFRASTRUCTURE SHALL BE REMOVED BY SELLER PRIOR TO STORM PIPE INSTALLATION.

PROPOSED FIBER OPTIC TELEPHONE SERVICE TO BE INSTALLED BY WINDSTREAM FLORIDA. CONTRACTOR SHALL CONTACT WINDSTREAM FLORIDA FOR CONSTRUCTION SCHEDULING (TYP.)

EXISTING TELEPHONE CABLE WILL BE IMPACTED BY PROPOSED STORM PIPE INSTALLATION AND WILL REQUIRE RELOCATION BY WINDSTREAM FLORIDA. PRIOR TO ANY CONSTRUCTION IN THIS AREA, CONTRACTOR SHALL CONTACT WINDSTREAM FLORIDA TO COORDINATE CONSTRUCTION SCHEDULING AND UTILITY RELOCATION ACTIVITIES. CONTRACTOR SHALL CONTACT DAN DRAIN WITH WINDSTREAM FLORIDA @ 386-462-6525.

PROTECT & SAVE EXISTING WATER & GAS MAINS AT STORM PIPE CROSSING. CONTRACTOR SHALL PROVIDE ADEQUATE SUPPORT AND PROTECTION IN ACCORDANCE WITH CITY OF ALACHUA & GRU SPECIFICATIONS DURING STORM PIPE INSTALLATION.

FIRST STREET GROUP PROPERTY LINES, SEE GENERAL NOTES #13 ON SHEET C-2

PROPOSED RETENTION AREA 2

PROPOSED EASEMENT FOR ACCESS

PROPOSED EASEMENT FOR ACCESS

ENTRANCE ROAD

SELLER ROAD 1

U.S. HWY. 441

WATERLINE AND PUBLIC UTILITY EASEMENT ORB 31.38, PAGE 99

EAST LINE FROM EXHIBIT "A" OF ORB 1620 PAGE 1020

E OF 60 FOOT RIGHT-OF-WAY PER ORB 1620 PAGE 1020

REFER TO OFFSITE UTILITY CONSTRUCTION PLAN AND PROFILES FOR WATERMAIN AND SEWER CONTINUATION

REFER TO SHEETS C-9 THROUGH C-90 FOR SELLER RD. 1, SELLER RD. 2, ENTRANCE RD. & 151ST BLVD. ADDITIONAL ROADWAY UTILITY DESIGN & SPECIFICATIONS.

SEE OFFSITE UTILITY PLANS FOR CONTINUATION

N 07°15'46" E
S07°15'34"W
455.36'(D)
455.39'(M)

N 90° 00' 00" E
272.86'

90°00'00" W
69.16'(D)
S89°36'58" W
69.14'(M)

NOTES:

1. UTILITY EASEMENTS WILL BE PROVIDED AS NECESSARY.
2. FINAL UTILITY LAYOUT TO BE COORDINATED WITH THE CITY OF ALACHUA PUBLIC WORKS DEPARTMENT. REFER TO SHEET C-5 FOR GENERAL UTILITY NOTES.
3. PIPE CROSSING AT THIS LOCATION SHALL BE 12" MINIMUM
4. CLEARANCE. CONTRACTOR SHALL USE EXTREME CAUTION DURING CONSTRUCTION.
5. REFER TO ELECTRIC UTILITY SYSTEM DESIGN PLANS, SHEETS E1 THRU E9 FOR ROADWAY ELECTRIC SERVICE DESIGN & SPECIFICATIONS.
6. CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF EXIST. 2" PVC WATER LINE AND DETERMINE IF STILL ACTIVE. IF EXISTING LINE IS ACTIVE AND WILL BE IMPACTED BY PROPOSED DRIVEWAY IMPROVEMENTS, THEN LINE SHALL BE RELOCATED AS REQUIRED.
7. CONTRACTOR SHALL INSTALL 10 GAUGE SOLID CORE TRACER WIRE ON ALL NON-FERROUS PIPE 2" AND LARGER.
8. ALL METER BOXES AND/OR VALVE BODY BOXES SHALL HAVE 10 GAUGE SOLID CORE TRACER WIRE.
9. ALL THREADED PVC FITTINGS SHALL BE SCH. 80 PVC AND SOLVENT WELDED WITH OATEY NO. 30757 PURPLE PRIMER AND OATEY NO. 30893 MEDIUM PVC CEMENT.

GRAPHIC SCALE
0 30 60 120
1 INCH = 60 FEET

LEGEND

- S = PROP. SANITARY SEWER LINE
- FW = PROP. FIRE WATER LINE
- W = PROP. WATER MAIN
- = PROP. STORM SEWER PIPE
- G = PROP. GAS MAIN
- E = PROP. UNDERGROUND PRIMARY ELECTRIC SERVICE
- T = PROP. UNDERGROUND TELEPHONE SERVICE

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APR 03 2017

No.	Date	Revision	By
1	2/17/15		B.P.C.
2			P.W.R.
3			H.L.W
4			B.P.C.

Designed by: B.P.C.
Drawn by: P.W.R.
Checked by: H.L.W
Approved by: B.P.C.
Scale: 1" = 60'
Date: 2/17/15
Job No.: W13392.1

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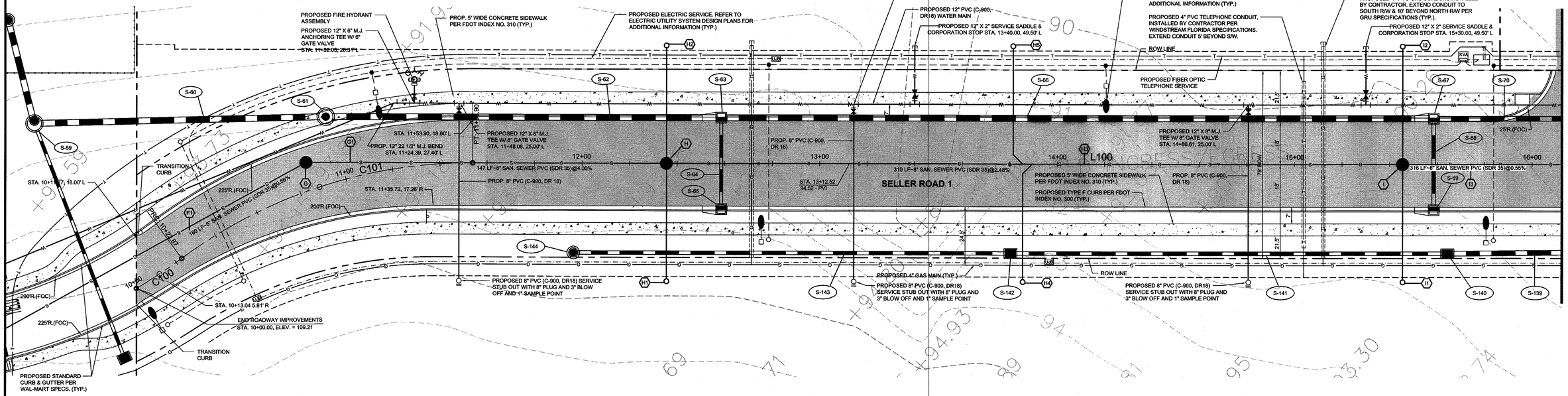
COMPOSITE UTILITY PLAN

Walmart

STORE NO. 3873-00, ALACHUA (SEC I-75 HWY 441), FLORIDA

Sheet No.
C-8A



LINE TABLE		
LINE	LENGTH	BEARING
L100	687.15	S85°48'17"E
L101	50.68	S79°21'19"E
L102	269.70	S45°40'51"E
L103	147.38	S41°03'24"W
L104	1265.66	S10°38'41"W
L105	132.00	S10°41'0"W
L106	75.00	N79°21'19"W
L107	66.98	S79°21'19"E
L108	57.00	S79°21'19"E
L109	57.00	S79°21'19"E
L110	NOT USED	
L111	39.50	N04°11'43"E
L112	973.40	S79°18'53"E
L113	602.90	S85°48'17"E
L114	39.37	S82°30'24"E

CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD
C100	22.67	219.50	5°56'13"	11.45	22.66
C101	131.03	205.50	36°31'54"	67.83	128.82
C102	125.48	213.50	33°40'28"	64.61	123.68
C103	276.01	520.00	30°24'43"	141.34	272.78
C104	1350.60	2896.79	26°42'49"	687.81	1338.40
C105	51.09	87.85	33°18'53"	26.24	50.39

NOTES:

1. REFER TO SITE IMPROVEMENT PLANS - GRADING & STORM DRAINAGE PLAN, SHEET C-7, C-7A & C-7B FOR ADDITIONAL GRADING & STORM DRAINAGE INFORMATION.
2. REFER TO SITE IMPROVEMENT PLANS - COMPOSITE UTILITY PLAN, SHEET C-8 & C-8A FOR ADDITIONAL UTILITY INFORMATION.
3. REFER TO ELECTRIC UTILITY SYSTEM DESIGN PLANS, SHEETS E1 THRU E9 FOR ROADWAY ELECTRIC SERVICE DESIGN & SPECIFICATIONS.

FOR PROFILE REFER TO SHEET C-9A

No.	Date	Revision	By
1			
2			
3			
4			

No.	Date	Revision	By
5			
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Designed by:	B.P.C.	Date: 4/15/2015
Drawn by:	P.W.R.	Scale: 1" =20'
Checked by:	H.L.W.	
Approved by:	B.P.C.	
Job No.	W13392.1	©2016

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Survey L.B. No. 7143 Landscp. Llc. No. LC0000298

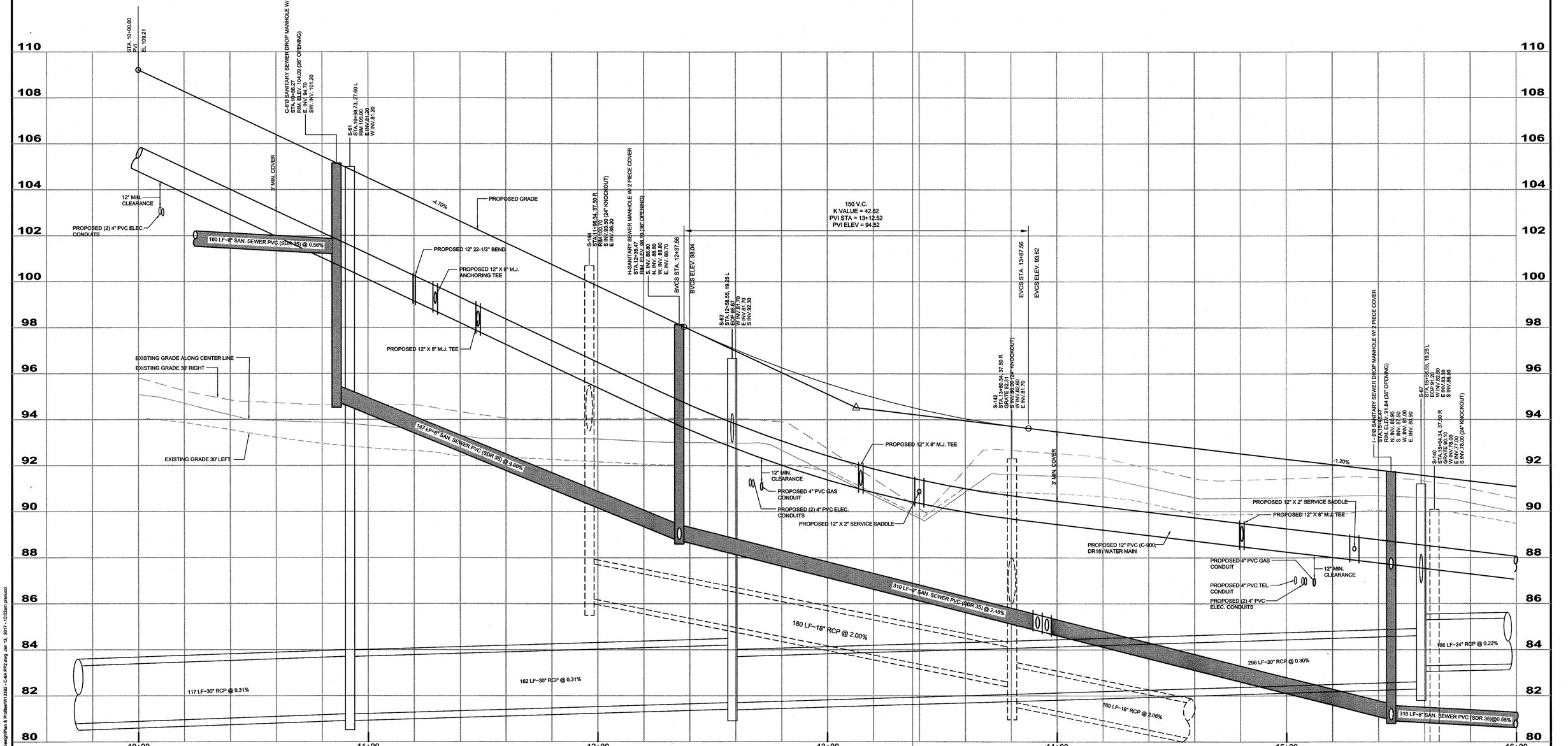
BRIANP. CASSIDY, P.E. 67373 LICENSED PROFESSIONAL ENGINEER

APR 03 2017

SELLER ROAD 1
PLAN VIEW
STA. 10+00 TO 16+00

Sheet No.
C-9

Drawing name: J:\W13392\1CIVIL\DWG\Design\Plan & Profiles\W13392 - C-9 PP1.dwg Nov 03, 2016 - 11:07am pranucci



FOR PLAN VIEW REFER TO SHEET C-9

No.	Date	Revision	By
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No.	Date	Revision	By
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Drawn by:	P.W.R.	Scale: 1" =20'
Checked by:	H.L.W.	
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Job No.	W13392.1	©2017

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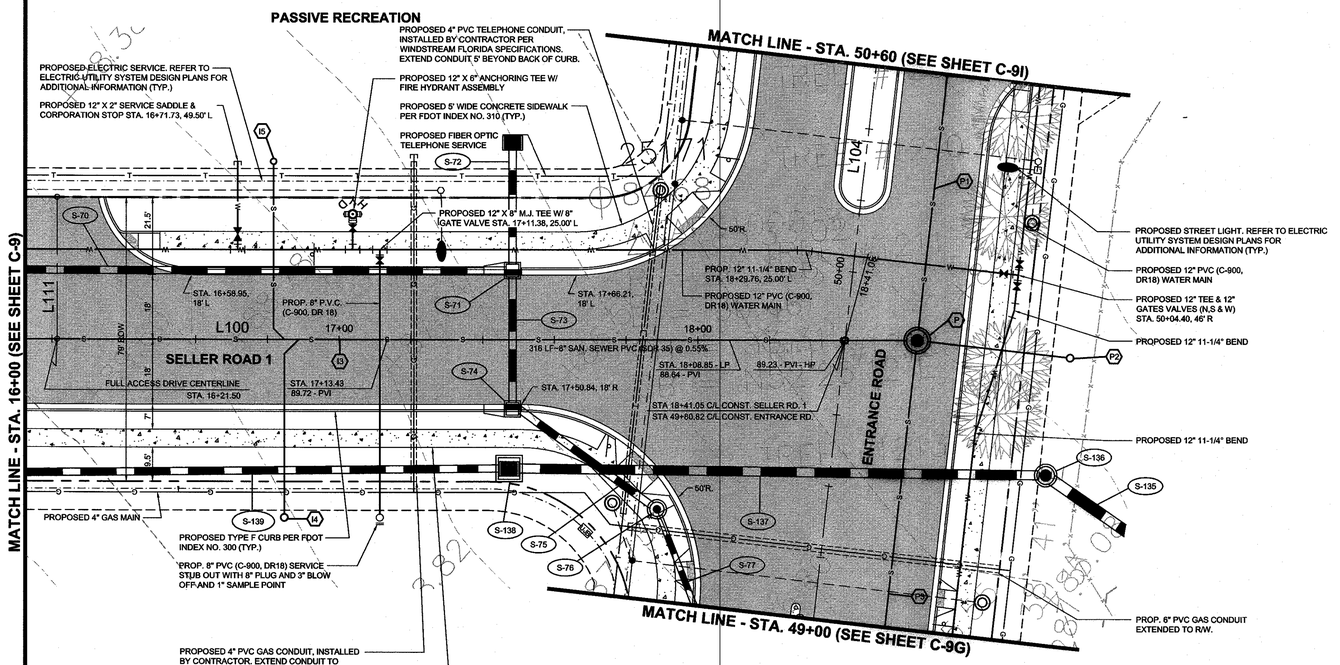
BRIAN PAUL CASSIDY LICENSE No. 67373 STATE OF FLORIDA PROFESSIONAL ENGINEER
BRIAN P. CASSIDY, P.E. No. 67373

APR 03 2017

SELLER ROAD 1
PROFILE VIEW
STA. 10+00 TO 16+00

Sheet No.
C-9A

Drawing name: J:\W13392.1\Civil\DWG\Design\Plan & Profiles\W13392 - C-9A PP2.dwg Jan 13, 2017 - 10:02am prasucci



LINE TABLE		
LINE	LENGTH	BEARING
L100	687.15	S85°48'17"E
L101	92.68	S79°21'19"E
L102	209.70	S45°40'51"E
L103	147.36	S41°03'24"W
L104	1265.08	S10°38'47"W
L105	132.00	S10°41'07"W
L106	75.00	N79°21'19"W
L107	66.68	S79°21'19"E
L108	57.00	S79°21'19"E
L109	57.00	S79°21'19"E
L110	NOT USED	
L111	39.50	N04°11'43"E
L112	973.40	S79°18'37"E
L113	602.80	S85°48'17"E
L114	39.37	S52°32'24"E

CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD
C100	22.87	219.50	5°58'13"	11.45	22.86
C101	131.03	205.50	36°31'54"	67.83	128.82
C102	125.48	213.50	33°40'23"	64.61	123.68
C103	276.01	520.00	30°24'43"	141.34	272.78
C104	1350.60	2886.79	26°47'49"	687.81	1338.40
C105	51.00	87.85	33°15'53"	26.24	50.29

NOTES:

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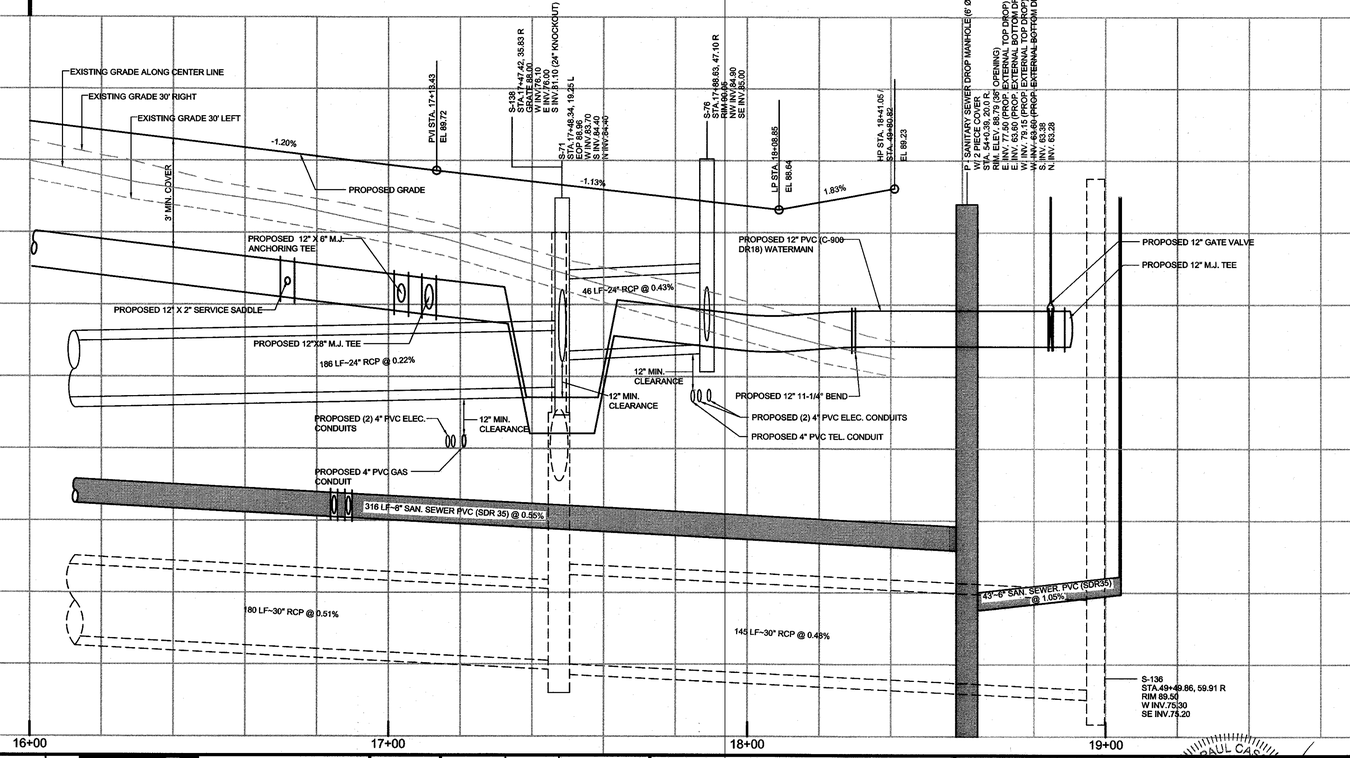

No.	Date	Revision	By
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No.	Date	Revision	By
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Designed by:	B.P.C.	Date:	4/15/2015
Drawn by:	P.W.R.	Scale:	1" =20'
Checked by:	H.L.W.		
Approved by:	B.P.C.		
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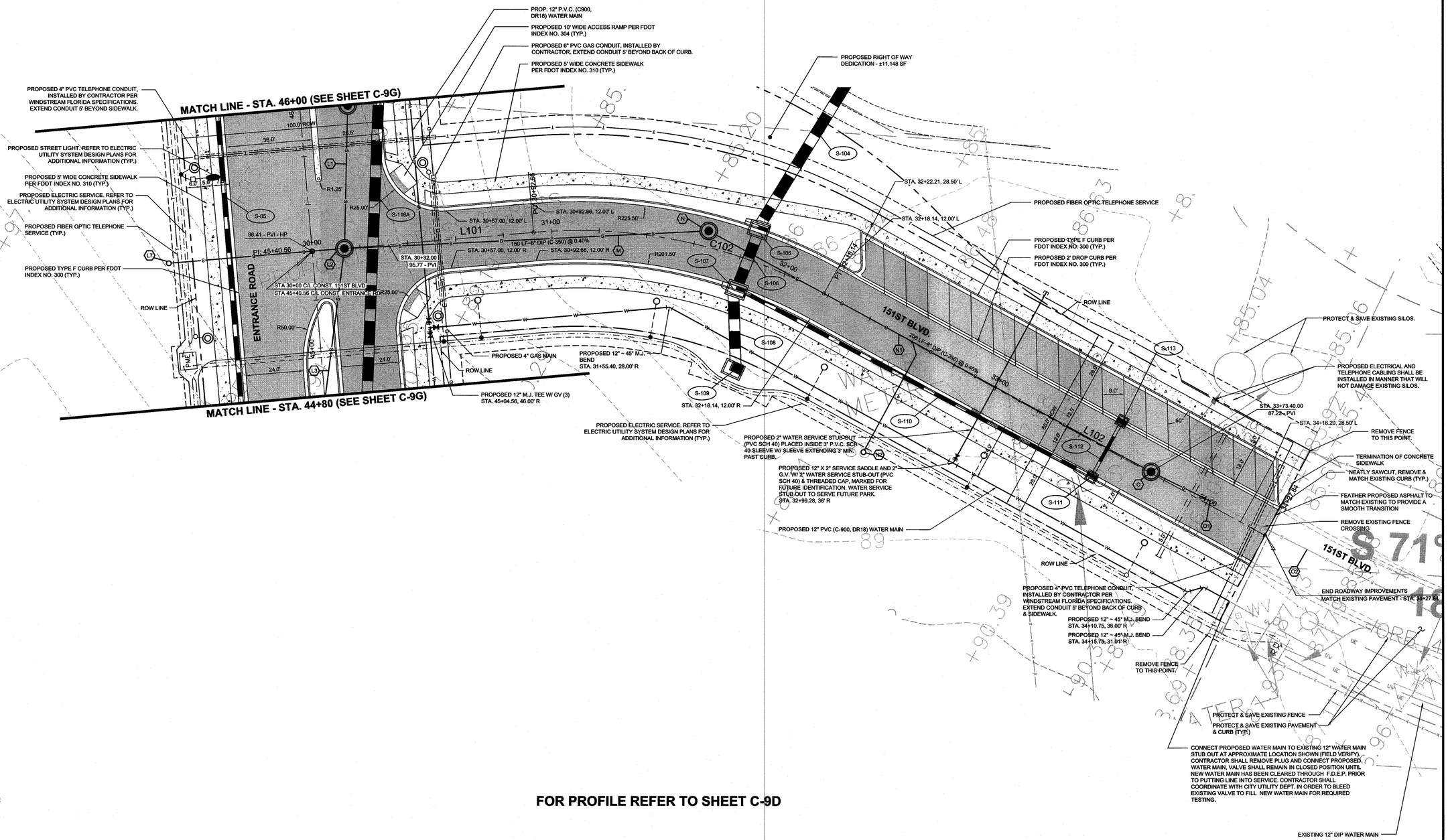
BRIAN PAUL CASSIDY — LICENSE NO. 67373 — STATE OF FLORIDA — PROFESSIONAL ENGINEER

APR 03 2017

SELLER ROAD 1 PLAN AND PROFILE STA. 16+00 TO 18+41.05

Sheet No. **C-9B**

Drawing name: J:\W13392.1\Civil\DWG\Design\Plan & Profile\W13392 - C-9B PP3.dwg Nov 03, 2016 - 11:16am pranucci



LINE TABLE		
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L102	209.70	S45°40'51"E
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L104	1255.86	S10°38'41"W
L105	132.00	S10°41'07"W
L106	78.00	N79°21'19"W
L107	66.98	S79°21'19"E
L108	57.00	S79°21'19"E
L109	57.00	S79°21'19"E
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L111	39.50	N04°11'43"E
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C101	131.03	200.50	36°3'154"	67.83	128.82
C102	125.48	213.50	33°40'28"	64.61	123.68
C103	276.01	520.00	30°24'43"	141.34	272.78
C104	1350.80	2896.79	26°42'49"	687.91	1338.40
C105	51.00	87.85	33°15'53"	26.24	50.29

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FOR PROFILE REFER TO SHEET C-9D

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No.	Date	Revision	By
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Checked by:	H.L.W.		
Approved by:	B.P.C.		
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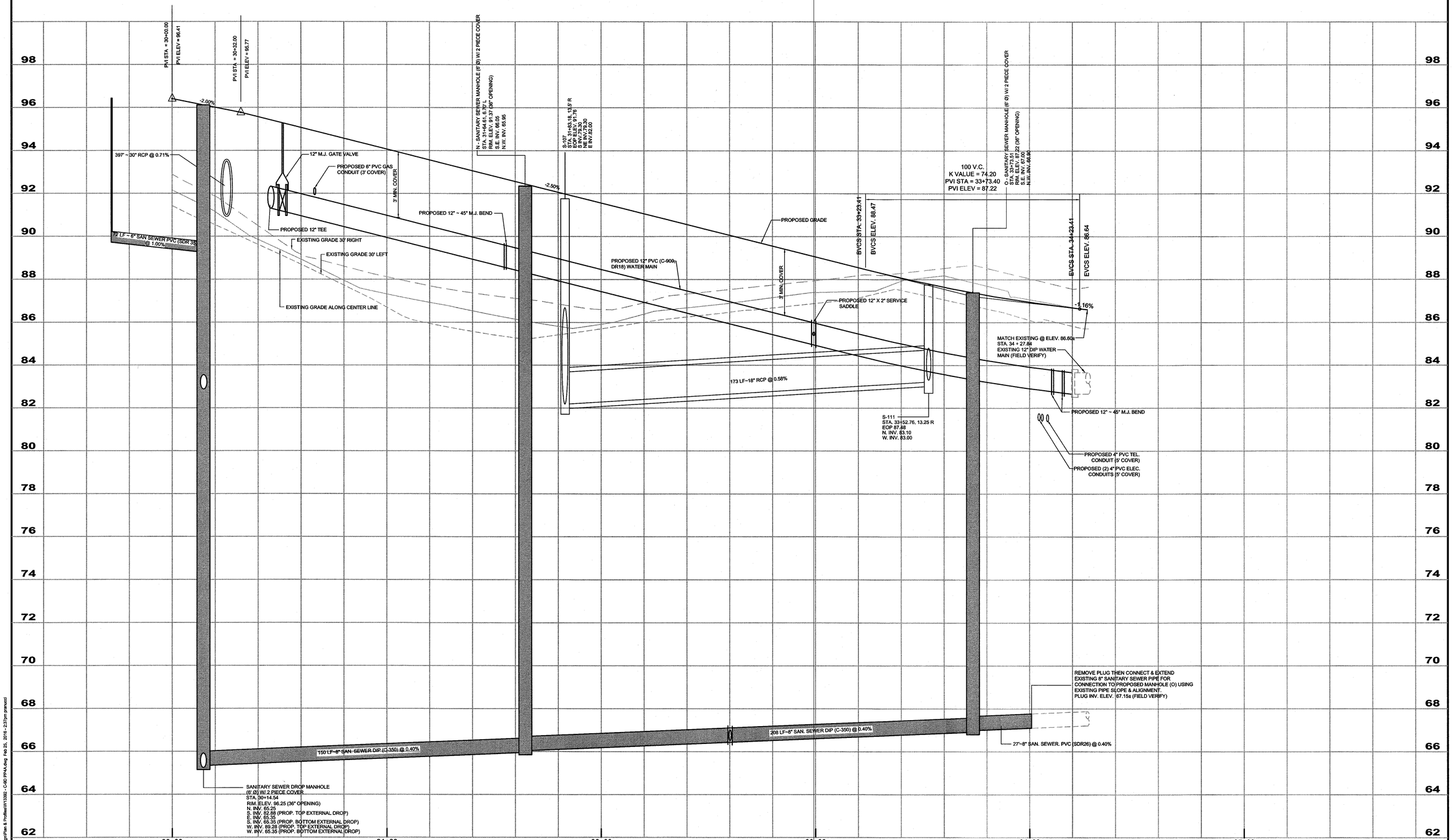
APR 03 2017

151ST BLVD. PLAN VIEW STA. 30+00 TO 34+27.84

Sheet No. C-9C



FOR PLAN VIEW REFER TO SHEET C-9C

No.	Date	Revision	By
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No.	Date	Revision	By
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Drawn by:	P.W.R.	Scale:	1" =20'
Checked by:	W.P.O.		
Approved by:	B.P.C.		
Job No.	W13392.1		©2016

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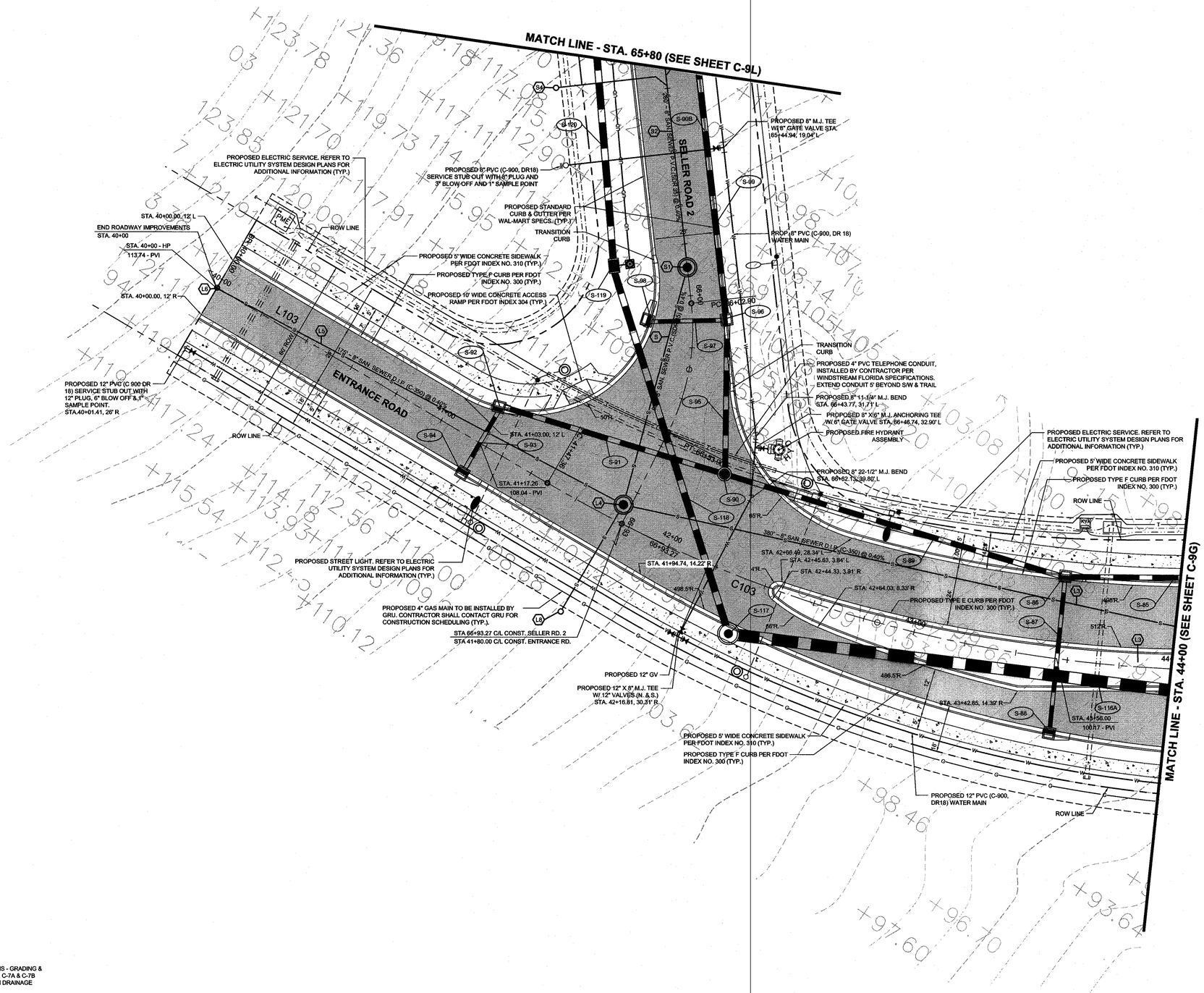
BRIAN PAUL CASSIDY — LICENSE No. 67373 — STATE OF FLORIDA — PROFESSIONAL ENGINEER
BRIAN P. CASSIDY, P.E. No. 67373

151ST BLVD.
PROFILE VIEW
STA. 30+00 TO 34+27.84

Sheet No.
C-9D

APR 03 2017

Drawing name: J:\W13392.1\Civil\DWG\Design\Plan & Profile\W13392 - C-9D PP14.dwg Feb 25, 2016 - 2:37pm ramuscl



LINE TABLE		
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FOR PROFILE REFER TO SHEET C-9F

cph N

0 10 20 40

1 inch = 20 ft.

No.	Date	Revision	By
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Drawn by:	P.W.R.	Scale: 1" =20'
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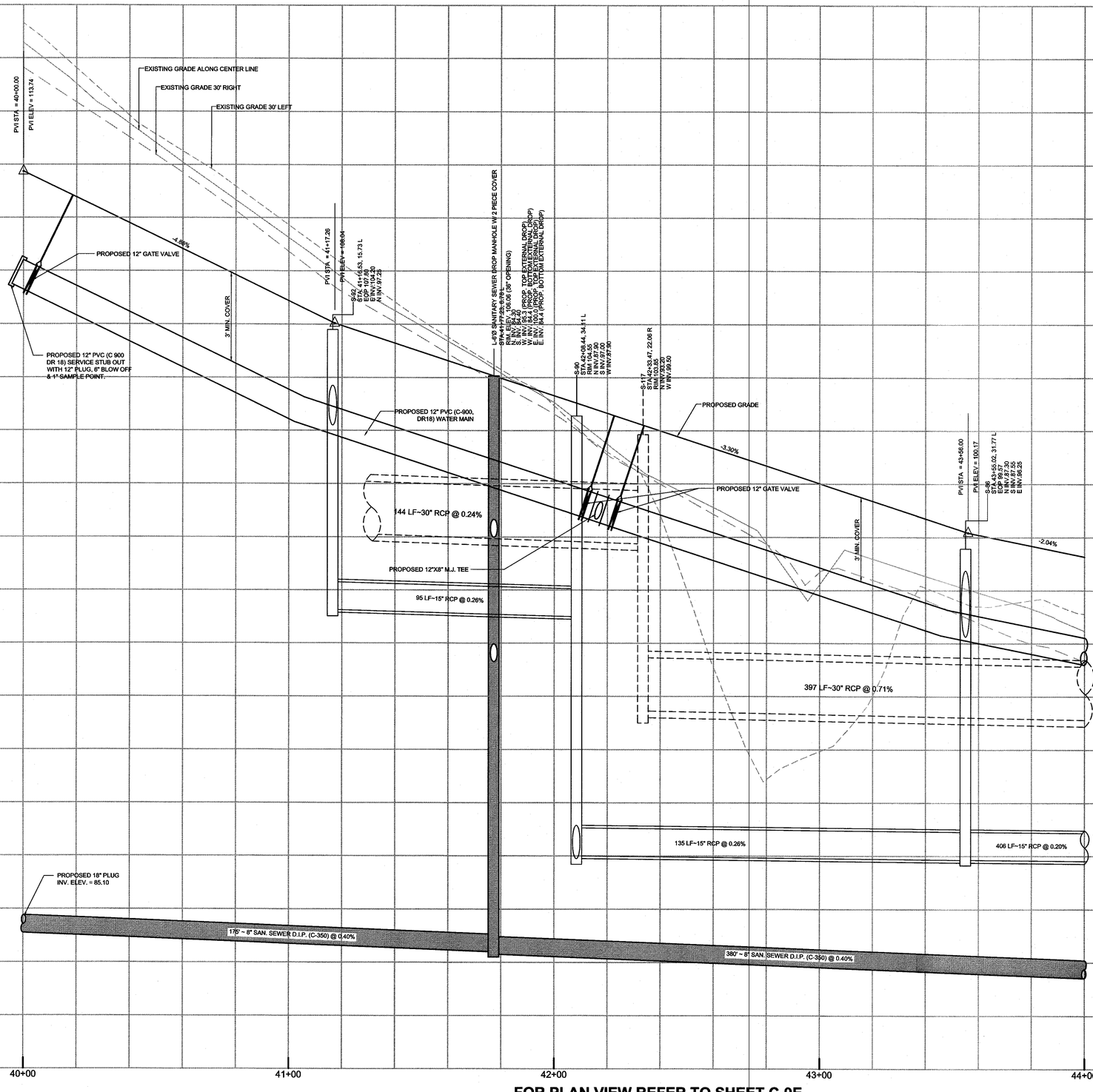
BRIAN P. CASSIDY, P.E. No. 67373
APR 03 2017

ENTRANCE ROAD PLAN VIEW STA. 40+00 TO 44+00

Sheet No. C-9E

Drawing name: J:\W13392.1\CIVIL\DWG\Design\Plan & Profiles\W13392 - C-9E PP5.dwg Nov 03, 2016 - 11:22am pnaucci



FOR PLAN VIEW REFER TO SHEET C-9E

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Designed by:	B.P.C.	Date:	4/15/2015
Drawn by:	P.W.R.	Scale:	1" =20'
Checked by:	H.L.W.		
Approved by:	B.P.C.		
Job No.	W13392.1	©2017	

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BRIAN PAUL CASSIDY — LICENSE No. 67373 — STATE OF FLORIDA — PROFESSIONAL ENGINEER
APR 03 2017

ENTRANCE ROAD PROFILE VIEW STA. 40+00 TO 44+00

Sheet No. **C-9F**

Drawing name: J:\W13392.1\Civil\DWG\Design\Plan & Profiles\W13392 - CSF PP&A.dwg Jan 13, 2017 - 10:03am pranucci

cph N

0 10 20 40

1 inch = 20 ft.

MATCH LINE - STA. 44+00 (SEE SHEET C-9E)

MATCH LINE - STA. 17+40 (SEE SHEET C-9)

MATCH LINE - STA. 50+40 (SEE SHEET C-9I)

MATCH LINE - STA. 31+20 (SEE SHEET C-9C)

PROPOSED 5' WIDE CONCRETE SIDEWALK PER FDOT INDEX NO. 310 (TYP.)

PROPOSED TYPE F CURB PER FDOT INDEX NO. 300 (TYP.)

PROPOSED STREET LIGHT. REFER TO ELECTRIC UTILITY SYSTEM DESIGN PLANS FOR ADDITIONAL INFORMATION (TYP.)

PROPOSED 4" PVC TELEPHONE CONDUIT, INSTALLED BY CONTRACTOR PER WINDSTREAM FLORIDA SPECIFICATIONS. EXTEND CONDUIT 5' BEYOND SIW & TRAIL

PROPOSED ELECTRIC SERVICE. REFER TO ELECTRIC UTILITY SYSTEM DESIGN PLANS FOR ADDITIONAL INFORMATION (TYP.)

PROPOSED 4" PVC TELEPHONE CONDUIT, INSTALLED BY CONTRACTOR PER WINDSTREAM FLORIDA SPECIFICATIONS. EXTEND CONDUIT 5' BEYOND TRAIL, SIW & CURB.

PROPOSED 4" GAS MAIN

SELLER RD. 1

ROW LINE

PROPOSED TYPE E CURB PER FDOT INDEX NO. 300 (TYP.)

STA. 30+00 C/L CONST. 151ST BLVD
STA 45+40.56 C/L CONST. ENTRANCE RD.

STA. 45+40.56
96.41 - PVI

STA. 44+10.33, 7.84' L

STA. 44+09.69, 31.83' L

STA. 44+90.56, 8' L

STA. 45+70.31, 4' R

STA. 45+70.31, 6.50' R

STA. 45+16.51, 9.5' R

STA. 44+77.56, 32' R

STA. 44+48.33, 32' R

STA. 45+03.56, 32' R

STA. 31+57.00, 12' R

STA. 31+57.00, 12' L

PROPOSED 12" M.J. TEE W/ 12" VALVES (N., S. & E.) STA. 45+04.56, 46' R

PROPOSED 12" PVC (C 900 DR18) WATER LINE

PROPOSED 4" GAS MAIN TO BE INSTALLED BY GRU. CONTRACTOR SHALL CONTACT GRU FOR CONSTRUCTION SCHEDULING (TYP.).

PROPOSED ELECTRIC SERVICE. REFER TO ELECTRIC UTILITY SYSTEM DESIGN PLANS FOR ADDITIONAL INFORMATION (TYP.)

PROPOSED 12" PVC (C 900 DR18) WATER LINE

PROPOSED 5' WIDE CONCRETE SIDEWALK PER FDOT INDEX NO. 310 (TYP.)

PROPOSED TYPE F CURB PER FDOT INDEX NO. 300 (TYP.)

PROPOSED TYPE E CURB PER FDOT INDEX NO. 300 (TYP.)

380' - 8" SAN. SEWER D.I.P. (C-350) @ 0.40%

55' - 8" SAN. SEWER D.I.P. (C-350) @ 0.41%

380 LF - 8" SANITARY SEWER D.I.P. (C-350) @ 0.42%

305'-8" SANITARY SEWER D.I.P. (C-350) @ 0.42%

150' - 8" SAN. SEWER D.I.P. (C-350) @ 0.40%

PROPOSED 12" 11-1/4" M.J. BEND STA. 46+54.33, 46' R

PROPOSED 12" 11-1/4" M.J. BEND STA. 46+69.52, 39' R

PROPOSED 12" 11-1/4" M.J. BEND STA. 49+59.24, 39' R

PROPOSED 12" 11-1/4" M.J. BEND STA. 50+04.40, 46' R

PROPOSED 12" 11-1/4" M.J. BEND STA. 49.9443, 46' R

PROPOSED 12" PVC (C-900, DR18) WATER MAIN

PROPOSED 12" X 6" M.J. ANCHORING TEE W/ 6" GATE VALVE STA. 48+16.53, 39' R

PROPOSED FIRE HYDRANT ASSEMBLY

PROPOSED 12" PVC (C-900, DR16) WATER MAIN

PROPOSED 12" GV

PROPOSED 12" M.J. TEE W/ 12" VALVES (N. & S.) STA. 50+04.40, 46' R

PROP. 6" PVC GAS CONDUIT AT 3' DEPTH EXTENDED 5' BEYOND CURB.

PROPOSED CONCRETE ACCESS RAMP PER FDOT INDEX NO. 304 (TYP.)

PROPOSED 6" PVC GAS CONDUIT, INSTALLED BY CONTRACTOR. EXTEND CONDUIT 5' BEYOND BACK OF CURB (TYP.).

PROPOSED RIGHT OF WAY DEDICATION - ±11,148 SF

PROPOSED ACCESS RAMP PER FDOT INDEX NO. 304 (TYP.)

PROPOSED 4" GAS MAIN

PROP. 6" PVC GAS CONDUIT EXTENDED TO R/W.

ENTRANCE ROAD

FULL ACCESS DRIVE CENTERLINE STA. 49+77.25

STA. 49+03.12, 32' L

STA. 49+05.29, 6.50' L

STA. 49+05.29, 4' L

STA. 49+80.62
89.23 - PVI

STA. 47+44.06, 8' L

STA. 47+72.04
92.36 - PVI

STA. 47+75.31, 4' L

STA. 47+25.31, 8' R

STA. 46+94.06, 4' R

STA. 50+39.99, 32' L

STA. 50+24.20, 8' L

STA. 50+24.20, 8' R

151ST BLVD

PC 30+92.66

L100

L104

C103

18+00

18+41.05

44+00

46+00

47+00

48+00

49+00

50+00

NOTES:

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LINE TABLE

LINE	LENGTH	BEARING
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L101	92.66	S79°21'19"E
L102	209.70	S45°40'51"E
L103	147.36	S41°09'24"W
L104	1265.66	S10°38'41"W
L105	132.00	S10°41'07"W
L106	75.00	N79°21'19"W
L107	66.96	S79°21'19"E
L108	57.00	S79°21'19"E
L109	57.00	S79°21'19"E
L110	NOT USED	
L111	39.50	N04°11'43"E
L112	973.40	S79°18'03"E
L113	602.96	S85°48'17"E
L114	39.37	S52°33'24"E

CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD
C100	22.87	218.50	5°59'13"	11.45	22.86
C101	131.03	205.50	36°31'54"	67.83	128.82
C102	126.48	213.50	33°56'29"	64.61	123.68
C103	276.01	520.00	30°24'43"	141.34	272.78
C104	1350.60	3896.79	26°42'49"	687.81	1338.40
C105	51.00	87.85	33°15'53"	26.24	50.29

FOR PROFILE REFER TO SHEET C-9H

No.	Date	Revision	By
1			
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Drawn by:	P.W.R.	Scale:	1" =20'
Checked by:	H.L.W.		
Approved by:	B.P.C.		
Job No.	W13392.1	©2016	

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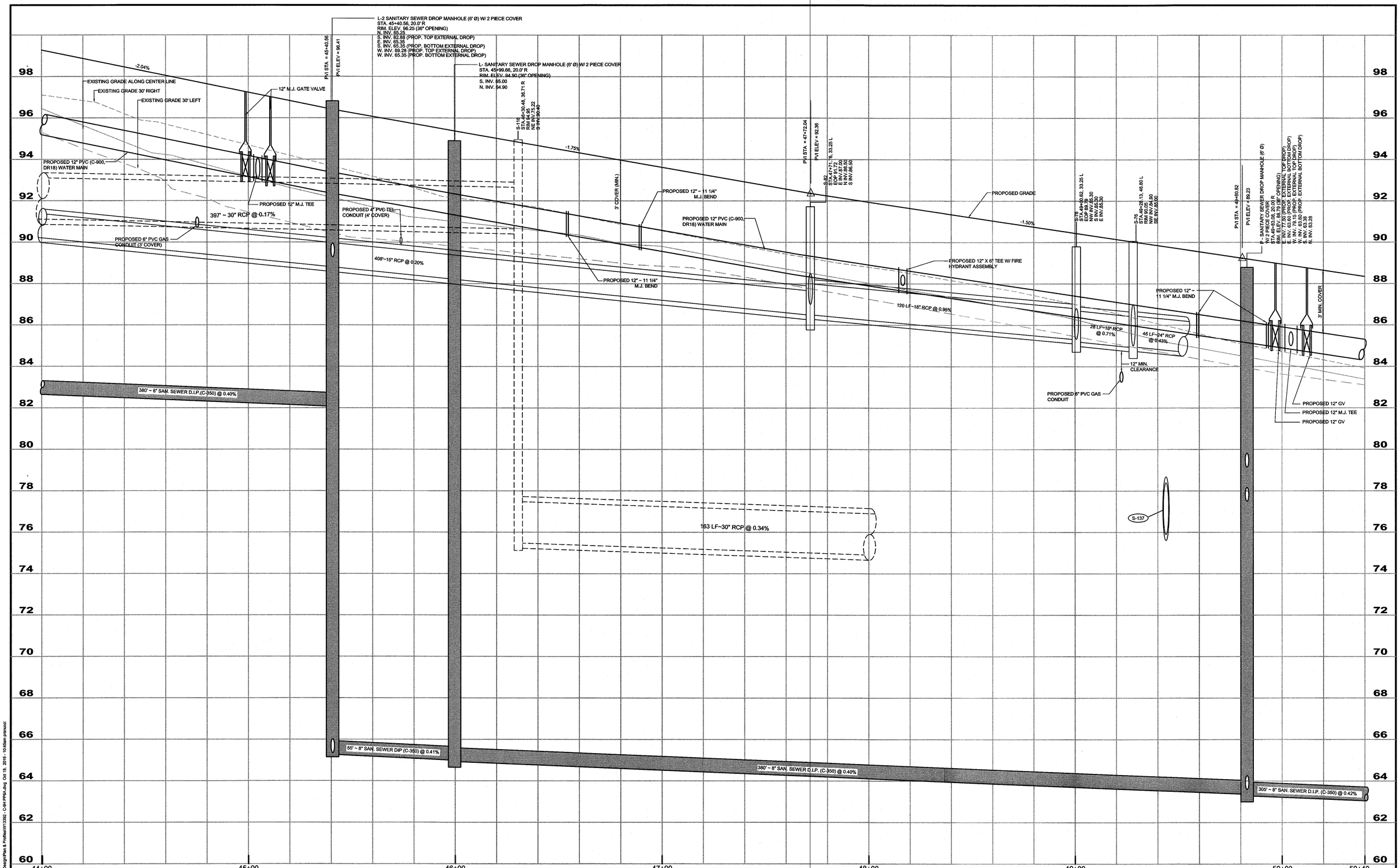
BRIAN R. CASSIDY, P.E. No. 67373 — STATE OF FLORIDA — PROFESSIONAL ENGINEER

APR 0 3 2017

ENTRANCE ROAD
PLAN VIEW
STA. 44+00 TO 50+40

Sheet No.
C-9G

Drawing name: J:\W13392.1\CIVIL\DWG\Design\Plan & Profiles\W13392 - C-9G PnP.dwg Nov 15, 2016 - 3:44pm pstucci



FOR PLAN VIEW REFER TO SHEET C-9G

No.	Date	Revision	By
1			
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No.	Date	Revision	By
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Drawn by:	P.W.R.	Scale: 1" =20'
Checked by:	H.L.W.	
Approved by:	B.P.C.	
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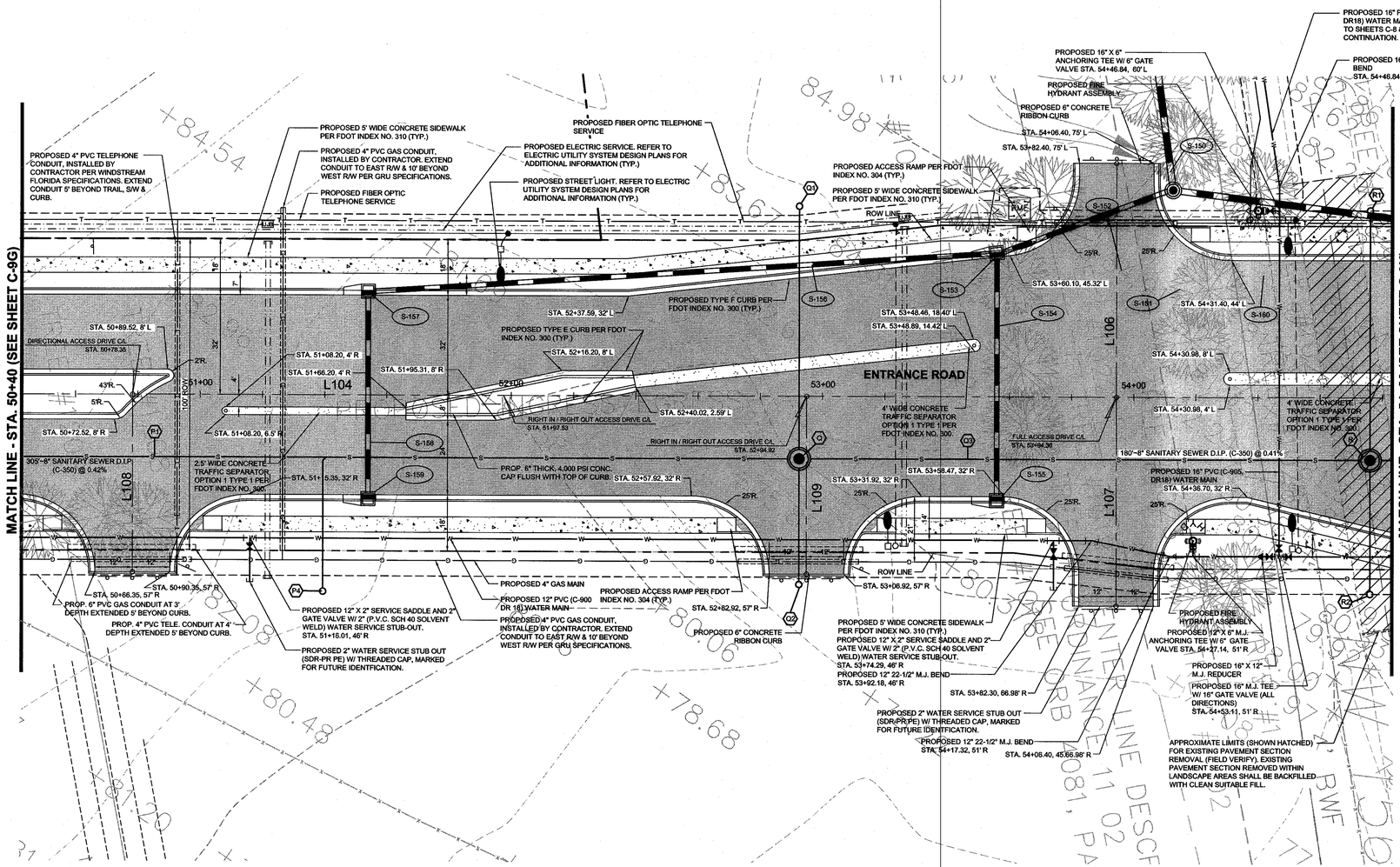
BRIAN PAUL CASSIDY LICENSE No. 67303 STATE OF FLORIDA PROFESSIONAL ENGINEER
17373
APR 03 2017

ENTRANCE ROAD PROFILE VIEW STA. 44+00 TO 50+40

Sheet No. **C-9H**

Drawing name: J:\W13392.1\Civil\DWG\Design\Plan & Profile\W13392 - C-9H PP09.dwg Oct 19, 2016 - 10:45am pswyci



LINE TABLE		
LINE	LENGTH	BEARING
L100	687.15	S85°46'17"E
L101	92.66	S79°21'19"E
L102	209.70	S45°40'51"E
L103	147.35	S41°03'24"W
L104	1265.86	S10°38'41"W
L105	132.00	S10°41'19"W
L106	75.00	N79°21'19"W
L107	66.98	S79°21'19"E
L108	57.00	S79°21'19"E
L109	57.00	S79°21'19"E
L110	NOT USED	
L111	39.50	N04°11'43"E
L112	973.40	S79°18'53"E
L113	602.80	S85°46'17"E
L114	39.37	S52°32'24"E

CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD
C100	22.87	219.50	5°58'13"	11.45	22.86
C101	131.03	205.50	36°31'54"	67.83	128.82
C102	125.48	213.50	33°40'26"	64.61	123.68
C103	276.01	520.00	30°24'43"	141.34	272.78
C104	1350.00	2896.79	26°42'49"	687.81	1338.40
C105	51.00	97.83	30°15'52"	26.24	50.29

NOTES:

1. REFER TO SITE IMPROVEMENT PLANS - GRADING & STORM DRAINAGE PLAN, SHEET C-7, C-7A & C-7B FOR ADDITIONAL GRADING & STORM DRAINAGE INFORMATION.
2. REFER TO SITE IMPROVEMENT PLANS - COMPOSITE UTILITY PLAN, SHEET C-8 & C-8A FOR ADDITIONAL UTILITY INFORMATION.
3. REFER TO U.S. HIGHWAY 441 OFF-SITE ROADWAY IMPROVEMENTS PLANS, SHEETS C-10 THROUGH C-10D FOR ADDITIONAL INFORMATION REGARDING U.S. HWY 441 ROADWAY MODIFICATIONS AND ENTRANCE ROAD IMPROVEMENTS.

FOR PROFILE REFER TO SHEET C-9J

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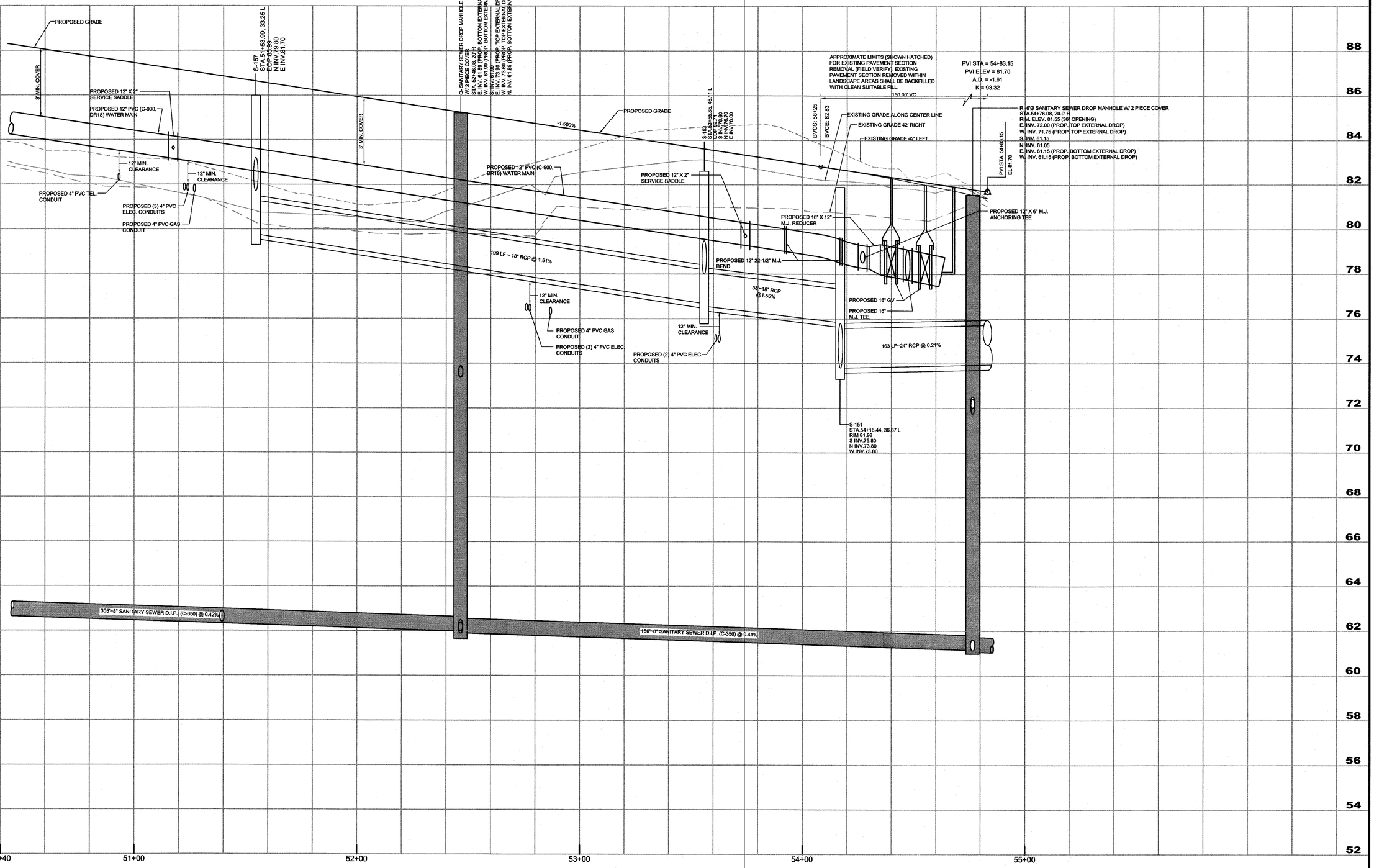
BRIAN P. CASSIDY, P.E. 67373
APR 03 2017

ENTRANCE ROAD PLAN VIEW STA. 50+40 TO 54+80

Sheet No. **C-9I**

Drawing name: J:\W13392.1\CIVIL\DWG\Design Plans & Profiles\W13392 - C-9I PPP.dwg Nov 03, 2016 - 11:34am pmucci



FOR PLAN VIEW REFER TO SHEET C-9I

No.	Date	Revision	By
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Approved by:	B.P.C.	
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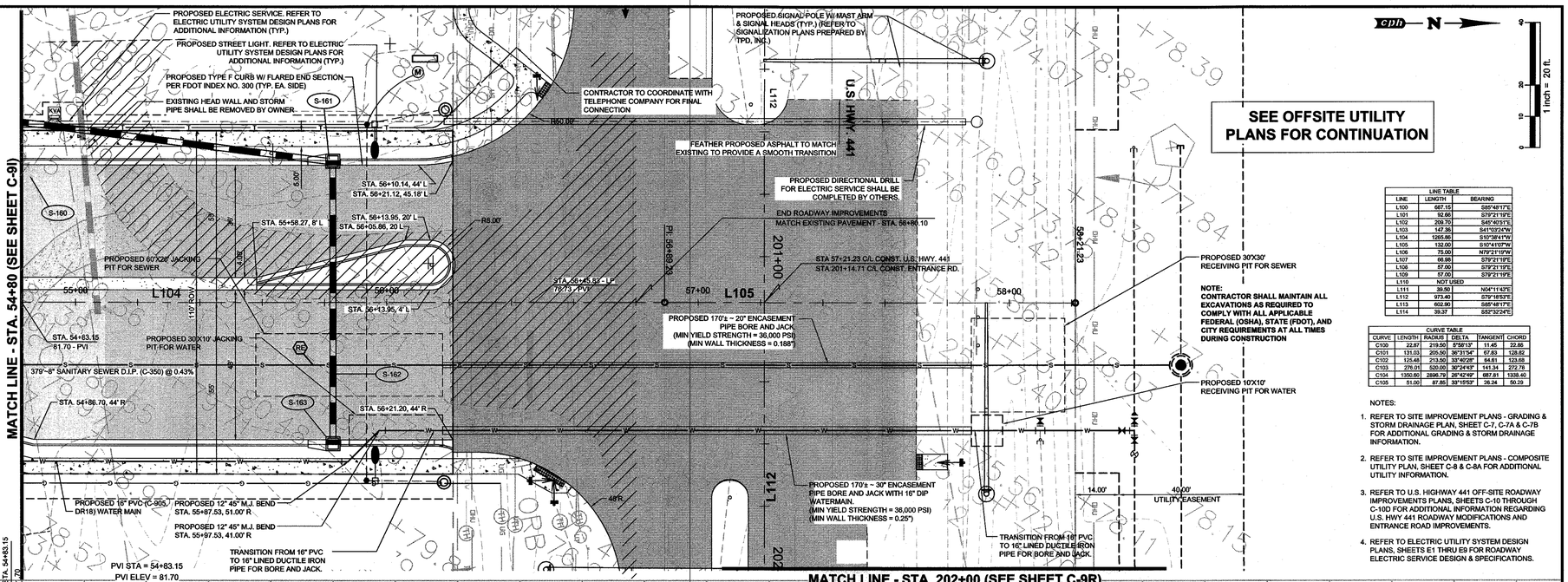
BRIAN P. CASSIDY, P.E. No. 67013

APR 03 2017

ENTRANCE ROAD PROFILE VIEW STA. 50+40 TO 54+80

Sheet No. C-9J

Drawing name: J:\W13392.1\Civil\DWG\Design\Plan & Profile\W13392 - C9J PP71.dwg Jan 13, 2017 - 10:04am pprucell



LINE TABLE		
LINE	LENGTH	BEARING
L100	987.15	S85°46'17"E
L101	92.66	S79°21'19"E
L102	209.70	S46°40'51"E
L103	147.36	S41°03'24"W
L104	1265.86	S10°38'41"W
L105	132.00	S10°41'07"W
L106	75.00	N79°21'19"W
L107	66.98	S79°21'19"E
L108	57.00	S79°21'19"E
L109	57.00	S79°21'19"E
L110	NOT USED	
L111	89.50	N04°11'43"E
L112	973.40	S79°18'53"E
L113	602.90	S85°46'17"E
L114	39.37	S53°33'24"E

CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD
C100	22.67	219.50	5°55'13"	11.45	22.66
C101	131.03	205.50	36°31'54"	67.83	128.82
C102	125.48	213.50	33°40'28"	64.61	123.68
C103	276.01	520.00	30°24'43"	141.34	272.78
C104	1350.00	2896.79	26°42'49"	687.81	1338.40
C105	51.00	87.85	33°15'53"	26.24	50.29

NOTES:

1. REFER TO SITE IMPROVEMENT PLANS - GRADING & STORM DRAINAGE PLAN, SHEET C-7, C-7A & C-7B FOR ADDITIONAL GRADING & STORM DRAINAGE INFORMATION.
2. REFER TO SITE IMPROVEMENT PLANS - COMPOSITE UTILITY PLAN, SHEET C-8 & C-8A FOR ADDITIONAL UTILITY INFORMATION.
3. REFER TO U.S. HIGHWAY 441 OFF-SITE ROADWAY IMPROVEMENTS PLANS, SHEETS C-10 THROUGH C-10D FOR ADDITIONAL INFORMATION REGARDING U.S. HWY 441 ROADWAY MODIFICATIONS AND ENTRANCE ROAD IMPROVEMENTS.
4. REFER TO ELECTRIC UTILITY SYSTEM DESIGN PLANS, SHEETS E1 THRU E9 FOR ROADWAY ELECTRIC SERVICE DESIGN & SPECIFICATIONS.

No.	Date	Revision	By
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No.	Date	Revision	By
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Drawn by:	P.W.R.	Scale:	1" =20'
Checked by:	H.L.W.		
Approved by:	B.P.C.		
Job No.	W13392.1		©2017

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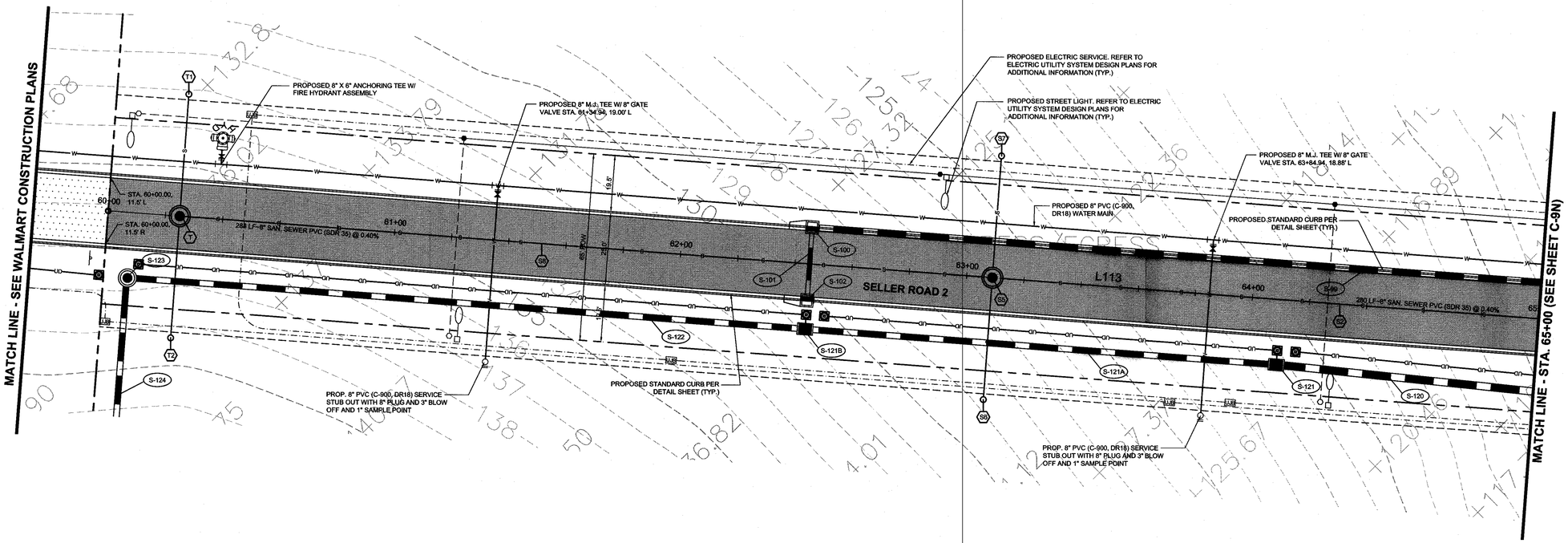
BRIAN PAUL CASSIDY, P.E. No. 67373 STATE OF FLORIDA PROFESSIONAL ENGINEER
APR 03 2017

ENTRANCE ROAD
PLAN AND PROFILE
STA. 54+80 TO 58+21.23

Sheet No.
C-9K

Drawing name: J:\W13392.1\Civil\DWG\Design\Plan & Profiles\W13392 - C-9K PP8.dwg Mar 23, 2017 - 10:34am pmcsol



LINE TABLE		
LINE	LENGTH	BEARING
L100	687.15	S85°48'17"E
L101	92.66	S79°21'19"E
L102	209.70	S45°40'51"E
L103	147.36	S41°03'24"W
L104	1265.86	S19°38'41"W
L105	132.00	S16°41'07"W
L106	75.00	N79°21'19"W
L107	66.66	S79°21'19"E
L108	57.00	S79°21'19"E
L109	57.00	S79°21'19"E
L110	NOT USED	
L111	39.50	N04°11'43"E
L112	973.40	S79°16'53"E
L113	602.90	S85°48'17"E
L114	39.37	S82°32'24"E

CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD
C100	22.87	219.50	5°58'13"	11.45	22.86
C101	131.03	205.50	38°31'54"	67.83	128.62
C102	125.48	213.50	33°40'29"	64.61	123.66
C103	276.01	520.00	30°24'43"	141.34	272.78
C104	1350.60	2896.79	26°42'49"	687.81	1338.40
C105	51.00	87.85	33°15'53"	26.34	50.29

NOTES:

1. REFER TO SITE IMPROVEMENT PLANS - GRADING & STORM DRAINAGE PLAN, SHEET C-7, C-7A & C-7B FOR ADDITIONAL GRADING & STORM DRAINAGE INFORMATION.
2. REFER TO SITE IMPROVEMENT PLANS - COMPOSITE UTILITY PLAN, SHEET C-8 & C-8A FOR ADDITIONAL UTILITY INFORMATION.
3. REFER TO U.S. HIGHWAY 441 OFF-SITE ROADWAY IMPROVEMENTS PLANS, SHEETS C-10 THROUGH C-10D FOR ADDITIONAL INFORMATION REGARDING U.S. HWY 441 ROADWAY MODIFICATIONS AND ENTRANCE ROAD IMPROVEMENTS.

FOR PROFILE REFER TO SHEET C-9M

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1			
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Drawn by:	P.W.R.	Scale: 1" =20'
Checked by:	H.L.W.	
Approved by:	B.P.C.	
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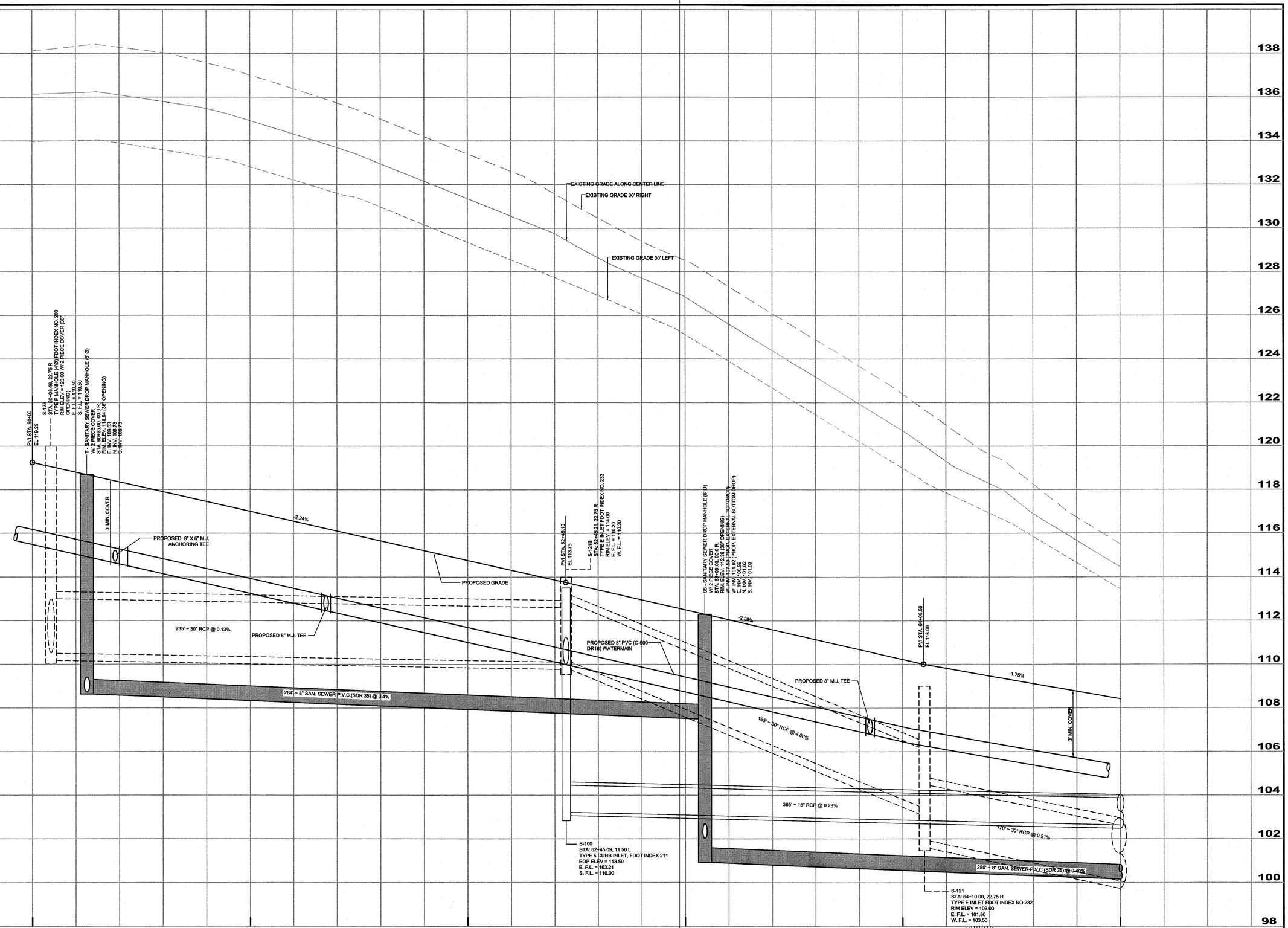
APR 03 2017

SELLER ROAD 2
PLAN VIEW
STA. 60+00 TO 65+00

Sheet No.
C-9L

Drawing name: J:\W13392.1\CAD\WD\Design\Plan & Profile\W13392 - C-9L PPR.dwg Nov 03, 2016 - 12:05pm pwrucki



No.	Date	Revision	By	No.	Date	Revision	By
1				1			
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Designed by:	B.P.C.	Date:	4/15/2015
Drawn by:	P.W.R.	Scale:	1" =20'
Checked by:	W.P.O.		
Approved by:	B.P.C.		
Job No.	W13392.1		

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APR 03 2017

SELLER ROAD 2
PROFILE VIEW
STA. 60+00 TO 65+00

Sheet No.
C-9M

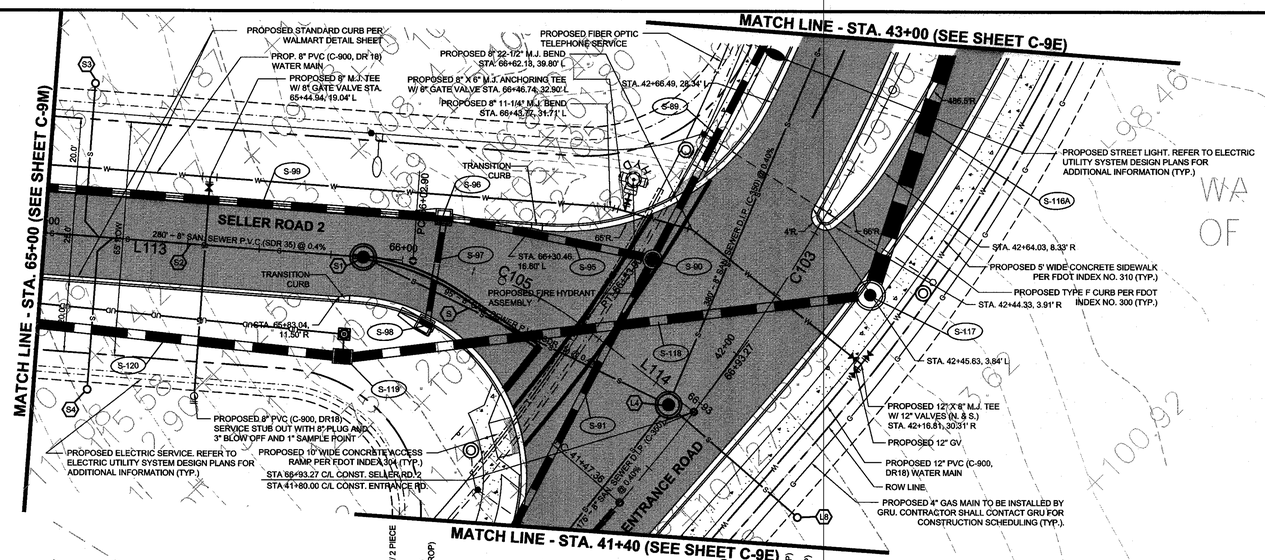
Drawing name: J:\W13392.1\CIVIL\DWG\Design\Plan & Profile\W13392 - C-9M PP&A.dwg Feb 29, 2016 - 10:31am pwrucci

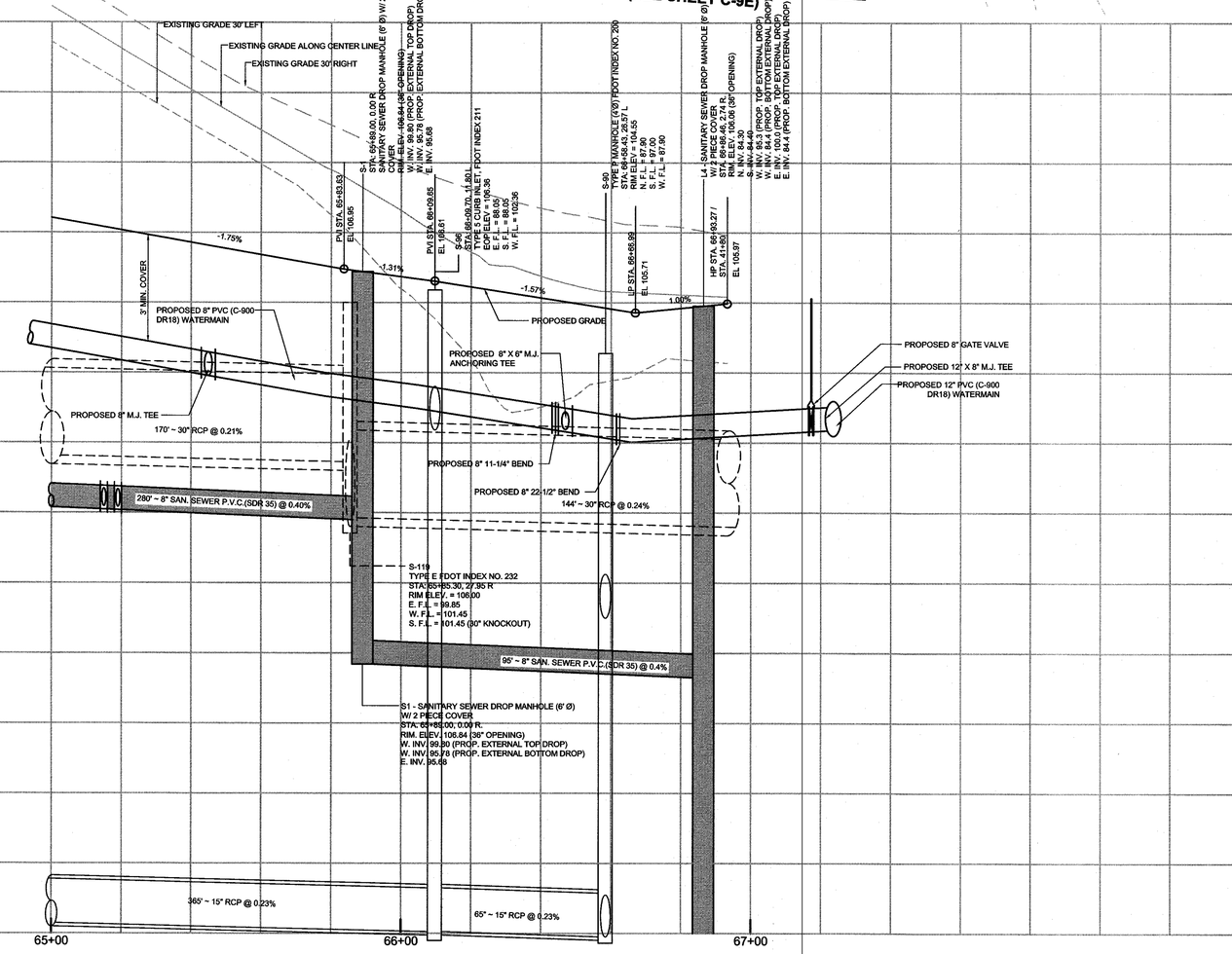
LINE TABLE		
LINE	LENGTH	BEARING
L100	687.15	S85°48'17"E
L101	92.66	S79°21'19"E
L102	209.70	S46°40'51"E
L103	147.36	S41°03'24"W
L104	1265.86	S10°36'41"W
L105	132.00	S10°41'07"W
L106	75.00	N79°21'19"W
L107	66.98	S79°21'19"E
L108	57.00	S79°21'19"E
L109	57.00	S79°21'19"E
L110	NOT USED	
L111	39.59	N94°11'43"E
L112	973.40	S79°18'53"E
L113	602.90	S85°48'17"E
L114	39.37	S52°32'24"E

CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD
C100	22.87	219.50	5°58'13"	11.45	22.86
C101	131.03	205.50	36°31'54"	67.83	128.82
C102	125.48	213.50	33°40'29"	64.61	123.68
C103	276.01	520.00	30°24'43"	141.24	272.78
C104	1350.60	2896.79	26°42'49"	687.81	1338.40
C105	51.00	67.85	33°15'57"	26.24	50.29

NOTES:

1. REFER TO SITE IMPROVEMENT PLANS - GRADING & STORM DRAINAGE PLAN, SHEET C-7, C-7A & C-7B FOR ADDITIONAL GRADING & STORM DRAINAGE INFORMATION.
2. REFER TO SITE IMPROVEMENT PLANS - COMPOSITE UTILITY PLAN, SHEET C-8 & C-8A FOR ADDITIONAL UTILITY INFORMATION.
3. REFER TO U.S. HIGHWAY 441 OFF-SITE ROADWAY IMPROVEMENTS PLANS, SHEETS C-10 THROUGH C-10D FOR ADDITIONAL INFORMATION REGARDING U.S. HWY 441 ROADWAY MODIFICATIONS AND ENTRANCE ROAD IMPROVEMENTS.





No.	Date	Revision	By
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Designed by:	B.P.C.	Date:	4/15/2015
Drawn by:	P.W.R.	Scale:	1" =20'
Checked by:	H.L.W.		
Approved by:	B.P.C.		
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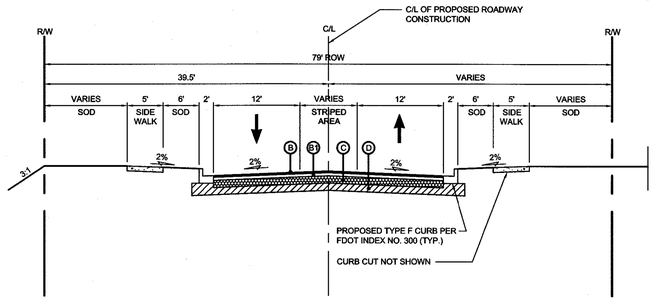
BRIAN P. CASSIDY, P.E. 67373
APR 03 2017

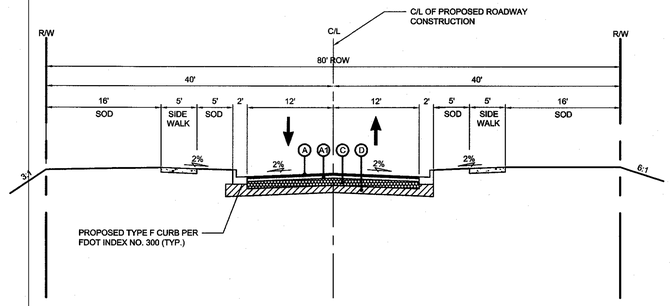
SELLER ROAD 2
PLAN AND PROFILE
STA. 65+00 TO 66+93.27

Sheet No.
C-9N

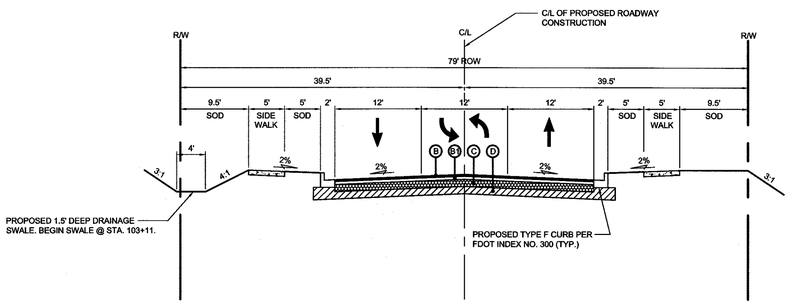
Drawing name: J:\W13392.1\Civil\DWG\Design\Plan & Profiles\W13392 - C-9N PP10.dwg Nov 03, 2016 - 12:16pm pwraudi



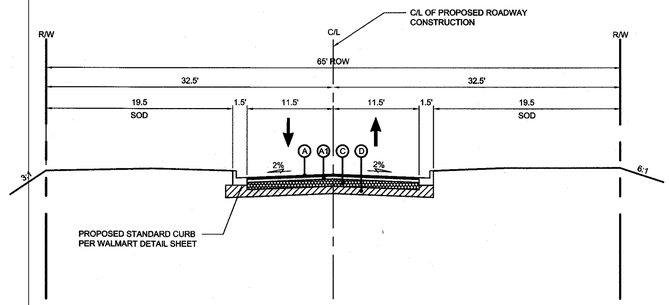
STATION 10+00 TO 11+53.90



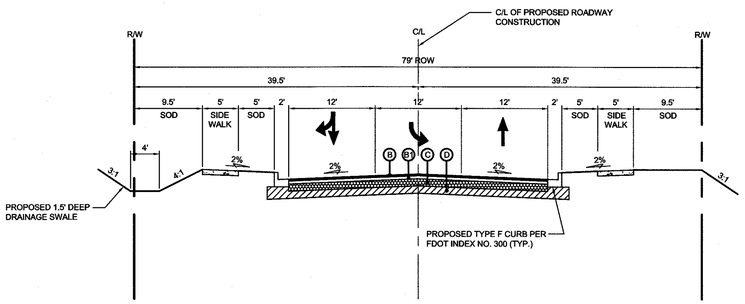
STATION 30+57.00 TO 34+27.84
151ST BOULEVARD



STATION 11+53.90 TO 15+31.27



STATION 60+00 TO 65+83.04
SELLER ROAD 2



STATION 15+81.27 TO 17+50.84

PAVEMENT MATERIALS LEGEND

(A) 1" SP-9.5 ASPHALT CONCRETE, SINGLE LIFT (MAX. 50% RECLAIMED ASPHALT PAVEMENT MATERIAL) PER THE CURRENT FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

(A1) 2" SP-12.5 ASPHALTIC CONCRETE (MAX. 50% RECLAIMED ASPHALT PAVEMENT MATERIAL) PER THE CURRENT FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

(B) 1-1/2" SP-9.5 ASPHALT CONCRETE, SINGLE LIFT (MAX. 50% RECLAIMED ASPHALT PAVEMENT MATERIAL) PER THE CURRENT FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

(B1) 2-1/2" SP-12.5 ASPHALTIC CONCRETE (MAX. 50% RECLAIMED ASPHALT PAVEMENT MATERIAL) PER THE CURRENT FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

(C) 6" MINIMUM LIMEROCK BASE COURSE WITH A 98% MODIFIED PROCTOR TEST MAXIMUM DRY DENSITY AND A LIMEROCK BEARING RATIO (LBR) OF AT LEAST 100 COMPLYING WITH THE REQUIREMENTS OF SECTION 911 AND SECTION 200 OF THE CURRENT FDOT STANDARD SPECIFICATIONS FOR ROADWAY AND BRIDGE CONSTRUCTION.

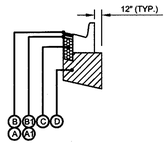
(D) 6" MINIMUM STABILIZED SUBGRADE MATERIAL WITH A 98% MODIFIED PROCTOR TEST MAXIMUM DRY DENSITY (ASTM D 1557, AASHTO T180) AND A LIMEROCK BEARING RATIO (LBR) OF 40 AS SPECIFIED BY FDOT REQUIREMENTS FOR TYPE B STABILIZED SUBGRADE.

(K) THE BASE COURSE SHOULD BE A MINIMUM OF 4" THICK AND THE BASE MATERIAL SHOULD BE FREE DRAINING AND HAVE A MINIMUM LBR OF 100. THE BASE MATERIAL MUST BE DENSIFIED TO AT LEAST 98% OF MODIFIED PROCTOR TEST MAXIMUM DRY DENSITY (ASTM D 1557, AASHTO T 180).

(L) THE STABILIZED SUBGRADE MATERIAL SHOULD BE A MINIMUM OF 4" THICK, SHOULD BE FREE DRAINING AND HAVE A MINIMUM LBR VALUE OF 40. THE STABILIZED SUBGRADE MATERIAL MUST BE DENSIFIED TO AT LEAST 98% OF MODIFIED PROCTOR TEST MAXIMUM DRY DENSITY (ASTM D 1557, AASHTO T 180).

NOTE:

ALL CONCRETE USED FOR CURB AND SIDEWALK CONSTRUCTION SHALL BE 2,500 PSI.



EDGE DETAIL

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BRIAN P. CASSIDY * LICENSE No. 67373 * STATE OF FLORIDA * PROFESSIONAL ENGINEER
BRIAN P. CASSIDY, P.E. 67373

APR 0 3 2017

No.	Date	Revision	By

Designed by:	B.P.C.	Scale:	
Drawn by:	P.W.R.	Date:	2/17/15
Checked by:	H.L.W	Job No.:	W13392.1
Approved by:	B.P.C.	© 2016	

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Arch. Lic. No. AA26009926
Lndscp. Lic. No. LC0000298

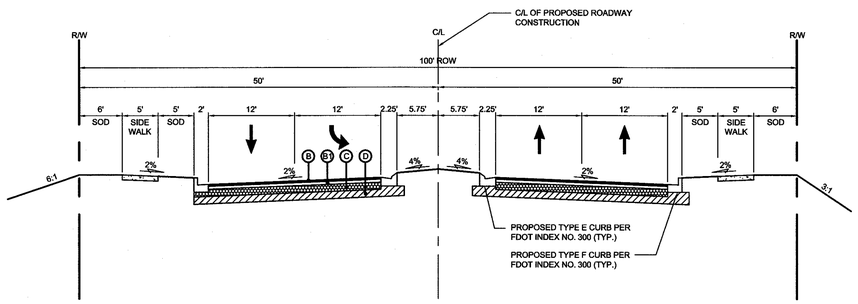
SELLER ROAD 1, 2 & 151ST BOULEVARD
TYPICAL ROADWAY CROSS SECTION

Walmart

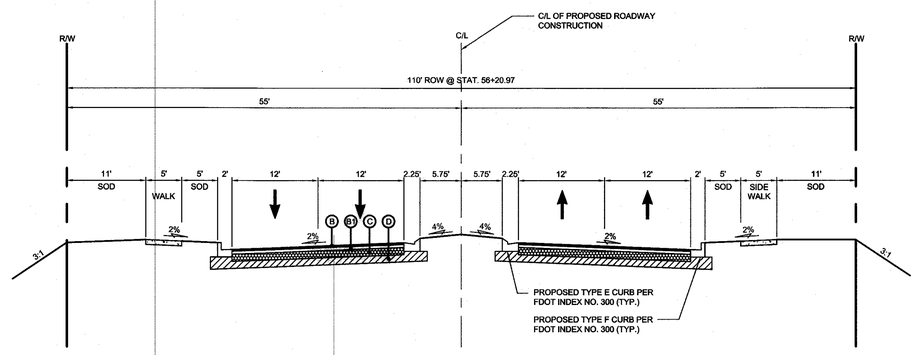
STORE NO. 3873-00, ALACHUA (SEC I-75 HWY 441), FLORIDA

Sheet No.
C-90

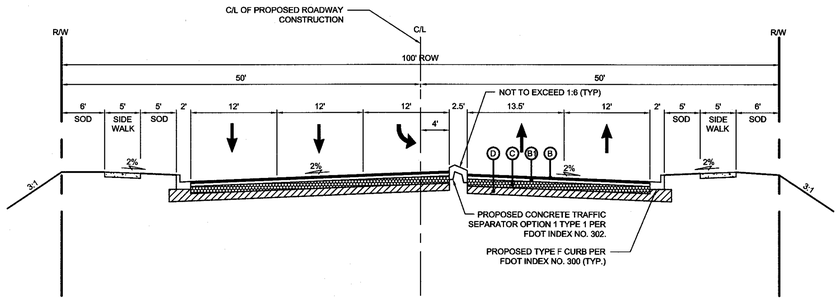
J:\W13392.1\Civil\DWG\Design\W13392.1 - C-90 TYPICAL ROADWAY CROSS SECT..dwg Aug 03, 2016 - 11:02am prenucci



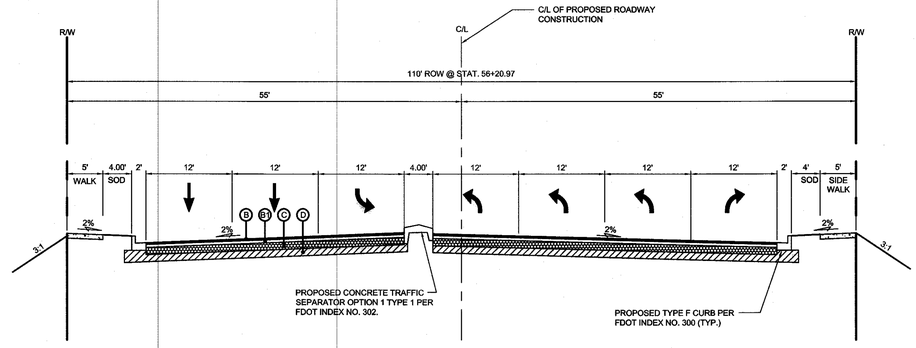
STATION 44+48.33 TO STATION 44+90.56



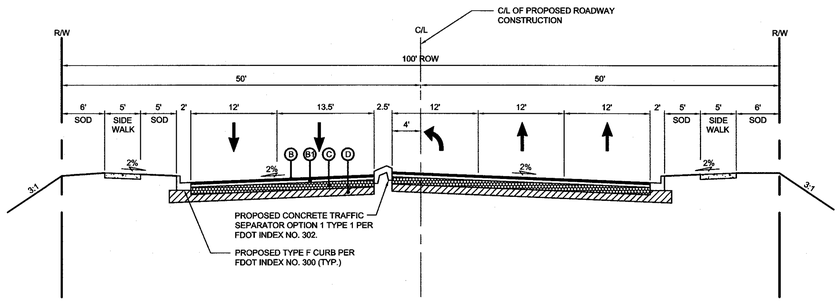
STATION 54+52.85 TO STATION 54+72.79



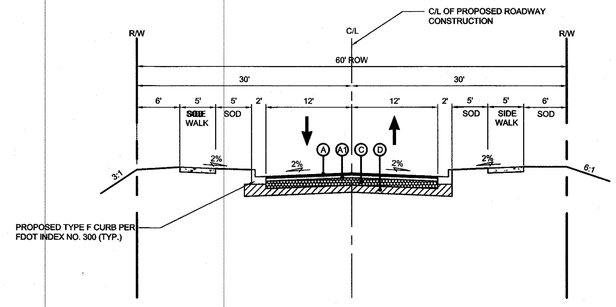
STATION 45+69.06 TO 46+94.06
STATION 50+37.26 TO 51+66.20



STATION 55+22.79 TO STATION 56+21.23



STATION 47+79.31 TO 49+25.31
STATION 52+45.31 TO 53+33.28



STATION 40+00.00 TO 41+03.00

*** SEE SHEET C-9O FOR PAVEMENT MATERIALS**

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BRIAN P. CASSIDY * LICENSE No. 67373 * STATE OF FLORIDA * REGISTERED PROFESSIONAL ENGINEER
BRIAN P. CASSIDY, P.E. 67373

APR 03 2017

No.	Date	By

Designed by: B.P.C.
Drawn by: P.W.R.
Checked by: H.L.W
Approved by: B.P.C.
Scale:
Date: 2/17/15
Job No.: W13392.1

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Survey L.B. No. 7143
Arch. Llc. No. AA2600926
Lndscp. Llc. No. LC0000298

ENTRANCE ROAD TYPICAL ROADWAY CROSS SECTION

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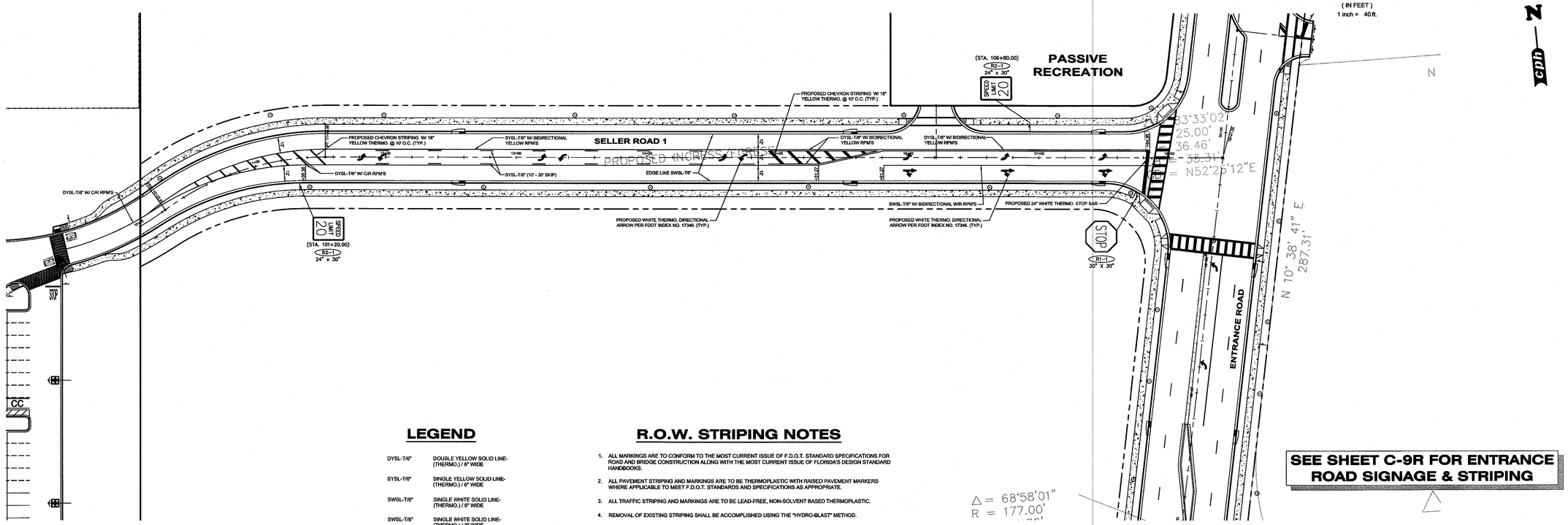
Sheet No.
C-9P

J:\W13392.1\Civil\DWG\Design\W13392.1 - C-9O TYPICAL ROADWAY CROSS SECT.dwg Aug 30, 2016 - 2:03pm pranucci



LEGEND

DYSL-T/6"	DOUBLE YELLOW SOLID LINE-(THERMO.) / 6" WIDE
SYSL-T/6"	SINGLE YELLOW SOLID LINE-(THERMO.) / 6" WIDE
SWSL-T/6"	SINGLE WHITE SOLID LINE-(THERMO.) / 6" WIDE
SWSL-T/8"	SINGLE WHITE SOLID LINE-(THERMO.) / 8" WIDE

R.O.W. STRIPING NOTES

1. ALL MARKINGS ARE TO CONFORM TO THE MOST CURRENT ISSUE OF F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ALONG WITH THE MOST CURRENT ISSUE OF FLORIDA'S DESIGN STANDARD HANDBOOKS.
2. ALL PAVEMENT STRIPING AND MARKINGS ARE TO BE THERMOPLASTIC WITH RAISED PAVEMENT MARKERS WHERE APPLICABLE TO MEET F.D.O.T. STANDARDS AND SPECIFICATIONS AS APPROPRIATE.
3. ALL TRAFFIC STRIPING AND MARKINGS ARE TO BE LEAD-FREE, NON-SOLVENT BASED THERMOPLASTIC.
4. REMOVAL OF EXISTING STRIPING SHALL BE ACCOMPLISHED USING THE "HYDRO-BLAST" METHOD.
5. ARROW SPACING TO CONFORM WITH F.D.O.T. INDEX NO. 17346.
6. TEMPORARY TAPE TO BE INSTALLED PRIOR TO DARKNESS ON DAY OF EXISTING MARKINGS REMOVAL. NO CONFLICTING MARKINGS PERMITTED.
7. THE SIGNING AND STRIPING DETAILS SHOWN ON THESE PLANS PROVIDE GENERAL GUIDELINES ONLY. THE CONTRACTOR WILL FOLLOW THE LATEST EDITION OF F.D.O.T. DESIGN STANDARDS (F.D.O.T. D.S.) AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) FOR ADDITIONAL DETAILS.
8. THE PHYSICAL CONSTRUCTION OF ALL SIGNS, PAVEMENT MARKINGS, DELINEATORS, ETC., ARE TO BE IN CONFORMANCE WITH F.D.O.T. STANDARD SPECIFICATIONS AS APPROPRIATE.
9. REFLECTIVE PAVEMENT MARKERS WILL BE INSTALLED ACCORDING TO THE F.D.O.T. D.S. (LATEST EDITION) THE FOLLOWING F.D.O.T. NUMBER IS APPLICABLE: 17352
10. THE LOCATIONS OF ALL SIGNS, STRIPING, AND PAVEMENT MARKINGS ARE TO BE DELINEATED BY THE CONTRACTOR BY STAKING AND APPLICATIONS OF A LIGHT COAT OF TEMPORARY PAINT FOR FINAL APPROVAL BY THE PROJECT ENGINEER, F.D.O.T. MAINTENANCE ENGINEER AND THE CITY OF ALACHUA AS APPROPRIATE PRIOR TO FINAL CONSTRUCTION.
11. PAVEMENT MARKING AT CURBED MEDIANS AND ISLANDS
    - A. REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED AT THE FOLLOWING LOCATIONS: ON TOP OF TYPE D AND F CURB, ON TOP OF TRAFFIC SEPARATORS, ON PAVEMENT 1' FROM EDGELINE OR EDGE OF PAVEMENT IF NO EDGELINE IS USED FOR TYPE E CURB FOR THE LIMITS OF CURVE TANGENT OR AS SHOWN ON PLANS.
    - B. BI-DIRECTIONAL YELLOW RPM'S SHALL BE INSTALLED AT 90° AND FACING AWAY FROM MEDIAN, TRAFFIC SEPARATORS OR GORE. BI-DIRECTIONAL WHITE / RED RPM'S SHALL BE ORIENTED SO THE WHITE SIDE FACES APPROACHING TRAFFIC.
    - C. REFLECTIVE NOSE PAINT SHALL BE INSTALLED AT THE FOLLOWING LOCATIONS: ON THE FACE OF TYPE D AND F CURB, ON FACE AND TOP OF TRAFFIC SEPARATORS EXCEPT WITHIN 2 INCHES OF RPM'S, ON THE TOP AND FACE OF TYPE E CURB FOR THE LIMITS OF CURVE TANGENT OR AS SHOWN ON PLANS.

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APR 03 2017

No.	Date	Revision	By
1	2/17/15	ADDED 2.1	B.P.C.
2	7/7/15	REVISED PER F.D.O.T. COMMENTS	H.L.W
3	7/15/15	REVISED PER F.D.O.T. COMMENTS	B.P.C.
4	8/25/15	REVISED PER F.D.O.T. COMMENTS	B.P.C.
5	9/30/15	REVISED PER F.D.O.T. COMMENTS	B.P.C.

Designed by: B.P.C.
Drawn by: P.W.R.
Checked by: H.L.W
Approved by: B.P.C.
Scale: 1" = 40'
Date: 2/17/15
Job No.: W13392.1

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Lndscp. Llc. No. LC0000298

SELLER ROAD 1 AND 2 SIGNING AND PAVEMENT MARKING PLAN

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Sheet No.
C-9Q

J:\W13392.1\Civil\DWG\Design\W13392.1 - C-9Q SELLER ROAD 1 ROAD STRIPING PLAN (2).dwg Aug 25, 2016 - 9:30am pranucci