BEST FRIENDS PET CARE FACILITY (BUILDING ADDITION)

REEDY CREEK IMPROVEMENT DISTRICT
ORANGE COUNTY, FLORIDA

DEVELOPMENT PLANS
Permit Submittal

MARCH 2020
Parcel ID. Number
20-24-28-0000-00-013

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Applicant/Owner
BEST FRIENDS PET CARE
2510 BONNET CREEK PARKWAY
LAKE BUENA VISTA, FLORIDA 32830

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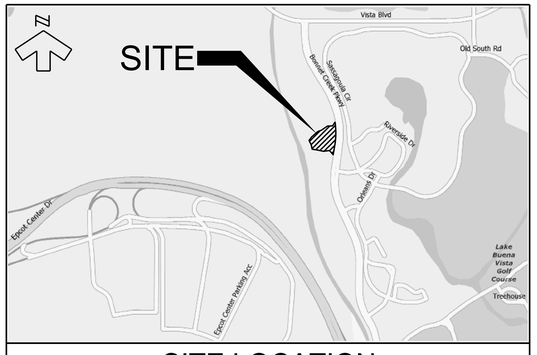
NOTE:
ALL CONSTRUCTION ACTIVITIES SHALL COMPLY WITH 2018 EPCOT BUILDING CODES & FLORIDA FIRE PREVENTION CODE 6TH EDITION.



SITE LOCATION

CHRISTOPHER J ALLEN LICENSE No. 77719 STATE OF FLORIDA PROFESSIONAL ENGINEER

Christopher J Allen
2020.12.03 12:57:10-05'00'
This item has been digitally signed and sealed by Christopher J Allen PE on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

REV. BY	DESCRIPTION	DATE	APPROVED BY

10				
9				
8	RESPONSES TO RCID COMMENTS - PLUMBING & CIVIL	08-31-2020	C. ALLEN	
7	RESPONSES TO RCID COMMENTS - MECHANICAL	07-28-2020	C. ALLEN	
6	RESPONSES TO RCID COMMENTS	06-23-2020	R. GRUVER	
5	RESPONSES TO RCID COMMENTS	06-05-2020	R. GRUVER	
4	PERMIT SUBMITTAL RCID	03-06-2020	R. GRUVER	
3	CODE SUBMITTAL	12-13-19	C. ALLEN	
2	SITE SUBMITTAL	11-22-19	C. ALLEN	
1	ISSUED BY	DATE		

PROJECT MANAGER:
PROJECT ARCHITECT:
PROJECT ENGINEER: CA
OTHER DISCIPLINES:
DRAWN: KJK
CHECKED: CA
APPROVED: CA
JOB NUMBER: 50118292

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UNIT NAME: BEST FRIENDS PET CARE ADDITION
SHEET TITLE: COVER SHEET

Walt Disney World Co.
P.O.Box 10,000 . Lake Buena Vista . Florida 32830-1000
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Dewberry
Dewberry Engineers Inc.
800 NORTH MAGNOLIA AVE
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ORLANDO, FL 32803
PHONE 407.843.5120
ENGINEERING BUSINESS #794
LAND ARCH - LC26000599

PROJECT AREA: LAKE BUENA VISTA
LAST FILED: 03-06-2020
EDMS PACKAGE CODE: WRE-BFPC-00-002
CAD DWG NAME: PET2 Cover.dgn
SHEET NUMBER: C01
REV

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GENERAL

1. UNLESS OTHERWISE SPECIFIED, ALL CONSTRUCTION SHALL BE PERFORMED CONSISTENT WITH THE MOST RECENT PUBLICATION OF THE FOLLOWING CODES, STANDARDS AND SPECIFICATIONS AS WELL AS THE LATEST EDITIONS OF ALL OTHER APPLICABLE SPECIFICATIONS & STANDARDS:
   CITY OF LAKE BUENA VISTA
   ORANGE COUNTY
   SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD)
   REEDY CREEK IMPROVEMENT DISTRICT (RCID)
   FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP)
   FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT)
   AMERICANS WITH DISABILITIES ACT (ADA) BY U.S. DEPARTMENT OF JUSTICE
   "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION
2. ALL CONSTRUCTION IS TO BE GOVERNED BY ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS, ORDINANCES, BUILDING AND SAFETY CODES.
3. IN THE EVENT THAT ANY STANDARDS OR SPECIFICATIONS AS DESCRIBED HEREIN ARE IN CONFLICT WITH EACH OTHER, OR THAT SHOWN IN THE PLANS, THE MORE STRINGENT CRITERIA WILL APPLY. CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD IMMEDIATELY AND IN WRITING SHOULD THE MORE STRINGENT CRITERIA BE UNCLEAR, FOR ENGINEER'S INTERPRETATION OF THE MORE STRINGENT CRITERIA TO BE USED.
4. THESE PLANS WERE BASED ON THE BOUNDARY AND TOPOGRAPHIC SURVEY BY DEWBERRY, AND GEOTECHNICAL REPORT PROVIDED BY ARDAMAN & ASSOCIATES, INC.
5. ALL ELEVATIONS SHOWN ON THESE DRAWINGS REFER TO NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29).
6. THESE PLANS WERE BASED ON THE GEOTECHNICAL REPORT(S) PREPARED BY ARDAMAN & ASSOCIATES, INC. FILE NO. 19-6447. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACQUIRE A COPY OF THE REPORT(S) FROM THE GEOTECHNICAL ENGINEER, FAMILIARIZE THEMSELVES WITH THE CONDITIONS AS DESCRIBED IN THE REPORT(S), AND COMPLY WITH ALL RECOMMENDATIONS MADE IN THE REPORT(S) SPECIFICALLY FOR SOIL PREPARATION ON THE SITE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COPY ALL SUPPLEMENTAL REPORTS FOR THIS PROJECT FROM THE OWNER AND TO FOLLOW THE SUPPLEMENTAL REPORTS' RECOMMENDATIONS.
7. GEOTECHNICAL RECOMMENDATIONS OR RECOMMENDATIONS AS PROVIDED IN SUPPLEMENTAL REPORTS BY OTHERS ARE NOT THE RESPONSIBILITY OF DEWBERRY INC., WHO HAS RELIED UPON THE REFERENCED GEOTECHNICAL REPORT(S) IN THE PREPARATION OF THE PLANS. ANY CONFLICT BETWEEN INFORMATION CONTAINED IN THE REPORT(S) AND THESE PLANS SHALL BE REPORTED TO THE ENGINEER AND OWNER IMMEDIATELY AND IN WRITING. DEWBERRY INC. ASSUMES NO RESPONSIBILITY FOR THE CORRECTNESS, COMPLETENESS, OR ACCURACY OF THE REPORT(S). WHEN THE PLANS AND/OR SPECIFICATIONS CONTAIN THE RESULTS OF A SOILS SURVEY, THE CONTRACTOR SHALL NOT ASSUME THE INFORMATION IS A GUARANTEE OF THE DEPTH, EXTENT OR CHARACTER OF MATERIAL PRESENT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE A NECESSARY EXAMINATION OF THE SITE AND OF ANY MATERIAL SOURCES INDICATED ON THE PLANS TO BE INFORMED OF THE CONDITIONS UNDER WHICH CONSTRUCTION IS TO OCCUR.
8. THE CONTRACTOR SHALL OBTAIN FROM THE OWNER COPIES OF PERMITS FOR ALL AGENCIES HAVING JURISDICTION, SUCH AS GOVERNMENTAL, REGULATORY OR LOCAL ENTITIES. THE CONTRACTOR SHALL BE EXPECTED TO REVIEW AND ABIDE BY ALL THE TERMS, CONDITIONS, REQUIREMENTS AND LIMITATIONS SET FORTH IN ALL OF THESE PERMITS. A COPY OF THE PERMITS SHALL BE KEPT ON THE CONSTRUCTION SITE AND MADE AVAILABLE FOR REVIEW AT ALL TIMES.
9. THE STANDARDS AND SPECIFICATIONS AS LISTED HEREIN, THE GEOTECHNICAL REPORT(S), BOUNDARY AND TOPOGRAPHIC SURVEY(S), AND REQUIRED PERMITS ARE HEREBY INCORPORATED ALONG WITH THE PLANS BY DEWBERRY INC. AS THE COMPLETE "SITE CIVIL CONSTRUCTION DOCUMENTS."
10. IF ITEMS APPEARING TO BE HISTORICAL OR ARCHEOLOGICAL ARTIFACTS ARE DISCOVERED AT ANY TIME DURING CONSTRUCTION WITHIN THE PROJECT LIMITS, IMMEDIATE NOTIFICATION SHALL BE PROVIDED TO THE OWNER, THE ENGINEER, AND THE BUREAU OF HISTORICAL PRESERVATION, DIVISION OF HISTORICAL RESOURCES R.A. GRAY BUILDING, 500 S. BRONOUGH ST. TALLAHASSEE, FLORIDA 32399-0250.

CONTRACTOR RESPONSIBILITIES

1. CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE SITE, INCLUDING ALL SURFACE AND SUBSURFACE CONDITIONS, THE WORK REQUIRED AND ALL OTHER CONDITIONS THAT MAY EFFECT THE SUCCESSFUL COMPLETION OF THE JOB PRIOR TO COMMENCEMENT OF WORK.
2. THE LOCATION OF EXISTING UTILITY SERVICES, FACILITIES, AND STRUCTURAL FEATURES SHOWN ON THESE PLANS HAVE BEEN DETERMINED FROM THE BEST INFORMATION AND ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER DOES NOT GUARANTEE THE ACCURACY OR THE COMPLETENESS OF THE LOCATION INFORMATION PROVIDED. ANY INACCURACY OR OMISSION IN SUCH INFORMATION SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PROTECT THE EXISTING FEATURES FROM DAMAGE OR UNSCHEDULED INTERRUPTION OF SERVICE. SHOULD A DISCREPANCY ARISE BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, WHICH WOULD APPRECIABLY AFFECT THE EXECUTION OF THESE PLANS, THE CONTRACTOR SHALL STOP ALL CONSTRUCTION AND NOTIFY THE ENGINEER IMMEDIATELY.
3. THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND PERMIT CONDITIONS BEARING ON THE CONDUCT OF THE WORK, AS DRAWN AND SPECIFIED. IF THE CONTRACTOR OBSERVES THAT THE DRAWINGS AND SPECIFICATIONS ARE AT VARIANCE THEREWITH, HE SHALL PROMPTLY NOTIFY THE ENGINEER, IN WRITING, AND ANY NECESSARY CHANGES SHALL BE ADJUSTED, AS PROVIDED IN THE AGREEMENT FOR CHANGES IN THE WORK.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL LANDSCAPE BUFFERS, RETENTION AND DETENTION FACILITIES UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE OWNER. ALL DISTURBED AREAS SHALL BE RETURNED TO EQUAL OR BETTER CONDITION.
5. THE CONTRACTOR SHALL BE RESPONSIBLE TO THE OWNER AND THE ENGINEER FOR THE ACTS AND OMISSIONS OF CONTRACTOR'S EMPLOYEES AND ALL HIS SUBCONTRACTORS AND THEIR AGENTS AND EMPLOYEES AND OTHER PERSONS PERFORMING ANY OF THE WORK UNDER A CONTRACT WITH THE CONTRACTOR.
6. ALL WORK AND FURNISHED MATERIALS SHALL BE IN REASONABLE CONFORMITY WITH THE LINES, GRADES, GRADING SECTIONS, CROSS SECTIONS, DIMENSIONS, MATERIAL REQUIREMENTS AND TESTING REQUIREMENTS THAT ARE SPECIFIED IN THE CONTRACT, PLANS, DETAILS OR SPECIFICATIONS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ALL NECESSARY ARRANGEMENTS WITH GOVERNMENTAL DEPARTMENTS, PUBLIC UTILITIES, PUBLIC CARRIERS, SERVICE COMPANIES, AND CORPORATIONS OWNING OR CONTROLLING ROADWAYS, RAILWAYS, WATER, SEWER, GAS, ELECTRICAL, TELEPHONE, AND TELEGRAPH FACILITIES SUCH AS PAVEMENTS, TRACKS, PIPING, WIRES, CABLES, CONDUITS, POLES, GUYS, OR OTHER SIMILAR FACILITIES, INCLUDING INCIDENTAL STRUCTURES CONNECTED THEREWITH THAT ARE ENCOUNTERED IN THE WORK IN ORDER THAT SUCH ITEMS MAY BE PROPERLY SUPPORTED, PROTECTED OR LOCATED.
8. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN ALL BARRICADES, LIGHTS, WARNING SIGNS, AND PAVEMENT MARKINGS FOR HAZARDS AND THE CONTROL OF TRAFFIC THROUGH THE CONSTRUCTION ZONE IN CONFORMITY WITH THE ALL AGENCIES HAVING JURISDICTION STANDARDS TO EFFECTIVELY PREVENT ACCIDENTS AT ALL LOCATIONS WHERE CONSTRUCTION CAUSES AN OBSTRUCTION TO THE NORMAL FLOW OF TRAFFIC OR CREATES A HAZARD IN ANY WAY TO THE PUBLIC.
9. IN THE EVENT THE CONTRACTOR DISCOVERS ANY ERRORS OR OMISSIONS IN THE PLANS HE SHALL IMMEDIATELY NOTIFY THE OWNER OR OWNER'S AGENT.
10. THE CONTRACTOR SHALL COMPLY WITH ALL LEGAL LOAD RESTRICTIONS IN THE HAULING OF MATERIALS ON PUBLIC ROADS BEYOND THE LIMITS OF THE WORK. A SPECIAL PERMIT WILL NOT RELIEVE THE CONTRACTOR OF LIABILITY FOR ANY DAMAGE THAT MAY RESULT FROM THE MOVING OF MATERIALS AND EQUIPMENT.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SURVEY MONUMENTATION, SUCH AS THE PRESERVATION OF ALL PERMANENT REFERENCE MONUMENTS, PERMANENT CONTROL POINTS, PERMANENT BENCH MARKS, PROPERTY CORNERS, POINTS OR MARKERS. IN THE EVENT ANY MONUMENTATION IS DISTURBED, IT SHALL BE RESTORED BY A FLORIDA LICENSED SURVEYOR AND MAPPER SELECTED BY THE OWNER AT THE CONTRACTOR'S EXPENSE.
12. THE OWNER, OWNER'S REPRESENTATIVES AND INSPECTORS OF APPLICABLE GOVERNMENT AGENCIES HAVING JURISDICTION, SHALL AT ALL TIMES HAVE ACCESS TO THE WORK SITE WHEREVER AND WHENEVER IT IS IN PREPARATION OR PROGRESS. THE CONTRACTOR SHALL PROVIDE PROPER FACILITIES FOR SUCH ACCESS AND INSPECTIONS.
13. IT IS THE CONTRACTOR'S RESPONSIBILITY TO TAKE ALL REASONABLE AND PRUDENT PRECAUTIONS TO INSURE THAT ALL COMPLETED WORK, MATERIALS AND EQUIPMENT STORED ON SITE ARE SAFE AND SECURED FROM UNAUTHORIZED ACCESS OR USE. SUCH PRECAUTIONS MAY INCLUDE INSTALLATION OF SIGNS, FENCES, OR POSTING OF SECURITY GUARDS.
14. CONTRACTOR SHALL, AT ALL TIMES, UTILIZE ALL NORMALLY ACCEPTED AND REASONABLY EXPECTED SAFETY PRACTICES AND COMPLY WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS, ORDINANCES AND GUIDELINES PERTAINING TO SAFE UTILIZATION OF EQUIPMENT OR MATERIALS AS PUBLISHED BY MANUFACTURER.
15. ADEQUATE TRAFFIC CONTROL, SIGNAGE, BARRICADES AND FLAGMAN SERVICES SHALL BE FURNISHED AND MAINTAINED BY THE CONTRACTOR AT ALL POINTS WHERE CONSTRUCTION EQUIPMENT ENGAGED IN WORK ENTERS ONTO OR CROSSES FUNCTIONING TRAFFIC-CARRYING ROADWAY.
16. THOSE PARTS OF WORK IN PLACE THAT ARE SUBJECT TO DAMAGE BECAUSE OF OPERATIONS BEING CARRIED ON ADJACENT THERETO SHALL BE COVERED, BOARDED UP OR SUBSTANTIALLY ENCLOSED WITH ADEQUATE PROTECTION BY THE CONTRACTOR AT CONTRACTOR'S EXPENSE, PROTECTING WORK COMPLETED.
17. THE CONTRACTOR SHALL COMPLY IN EVERY RESPECT WITH THE FEDERAL OCCUPATIONAL HEALTH AND SAFETY ACT OF 1970 AND ALL RULES AND REGULATIONS NOW OR HEREAFTER IN EFFECT UNDER SAID ACT, AND THE CONTRACTOR FURTHER AGREES TO COMPLY WITH ANY AND ALL APPLICABLE STATE LAWS AND REGULATIONS PERTAINING TO JOB SAFETY AND HEALTH.
18. THE CONTRACTOR SHALL PROTECT AND KEEP OWNER (INCLUDING THEIR AGENTS AND EMPLOYEES) FREE AND HARMLESS FROM ANY AND ALL LIABILITY, PUBLIC OR PRIVATE, PENALTIES, CONTRACTUAL OR OTHERWISE, LOSSES, DAMAGES, COSTS, ATTORNEY'S FEES, EXPENSES, CAUSES OF ACTION, CLAIMS OR JUDGMENTS RESULTING FROM THE FEDERAL OCCUPATIONAL HEALTH AND SAFETY ACT OF 1970 AS AMENDED OR ANY RULE OR REGULATION PROMULGATED THEREUNDER OR OF ANY STATE LAWS OR REGULATIONS PERTAINING TO JOB SAFETY AND HEALTH ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE PERFORMANCE OF WORK OR WORK TO BE PERFORMED UNDER THIS CONTRACT, AND CONTRACTOR SHALL INDEMNIFY OWNER FROM ANY SUCH CLAIMS, PENALTIES, SUITS OR ACTIONS, PUBLIC OR PRIVATE, ADMINISTRATIVE OR JUDICIAL, INCLUDING ATTORNEY'S FEES PAID OR INCURRED BY OR ON BEHALF OF OWNER, JOINTLY OR SEVERALLY, AND/OR THEIR AGENTS AND EMPLOYEES. THE CONTRACTOR FURTHER AGREES, IN THE EVENT OF A CLAIMED VIOLATION OF ANY FEDERAL OR STATE SAFETY AND HEALTH LAW OR REGULATION ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE PERFORMANCE OF WORK OR WORK TO BE PERFORMED UNDER THIS CONTRACT, OWNER MAY IMMEDIATELY TAKE WHATEVER ACTION IS DEEMED NECESSARY BY OWNER TO REMEDY THE CLAIMED VIOLATION. ANY AND ALL COSTS OR EXPENSES PAID OR INCURRED BY OWNER IN TAKING SUCH ACTION SHALL BE BORNE BY CONTRACTOR, AND CONTRACTOR AGREES TO PROTECT, HOLD HARMLESS AND INDEMNIFY OWNER AGAINST ANY AND ALL SUCH COSTS OR EXPENSES.
19. THE CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS FOR THE SAFETY OF, AND SHALL PROVIDE ALL REASONABLE PROTECTION TO PREVENT DAMAGE, INJURY OR LOSS TO:
    A. ALL EMPLOYEES ON THE WORK SITE AND ALL OTHER PERSONS WHO MAY BE AFFECTED THEREBY;
    B. ALL THE WORK AND ALL MATERIALS AND EQUIPMENT TO BE INCORPORATED THEREIN, WHETHER IN STORAGE ON OR OFF THE SITE, UNDER THE CARE, CUSTODY OR CONTROL OF THE CONTRACTOR OR ANY OF ITS SUBCONTRACTORS; AND
    C. OTHER PROPERTY AT THE SITE OR ADJACENT THERETO, INCLUDING TREES, SHRUBS, LAWNS WALKS, PAVEMENTS, ROADWAY, STRUCTURES AND UTILITIES NOT DESIGNATED FOR DEMOLITION IN THE COURSE OF CONSTRUCTION.
20. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY CODES AND WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC, QUASI PUBLIC OR OTHER AUTHORITY HAVING JURISDICTION FOR THE SAFETY OF PERSONS OR PROPERTY OR FOR THEIR PROTECTION AGAINST DAMAGE, INJURY OR LOSS, OR DESIGNED TO PROTECT THE ENVIRONMENT. THE CONTRACTOR SHALL ERECT AND MAINTAIN, AS REQUIRED BY EXISTING CONDITIONS AND PROGRESS OF THE WORK, ALL REASONABLE SAFEGUARDS FOR SAFETY AND PROTECTION, INCLUDING POSTING DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDS, PROMULGATING SAFETY REGULATIONS AND NOTIFYING OWNERS AND USERS OF ADJACENT UTILITIES OF THE EXISTENCE OF HAZARDS AND OF THE SAFETY REGULATIONS.
21. ALL DAMAGE OR LOSS TO ANY PROPERTY REFERRED TO IN HEREIN CAUSED IN WHOLE OR IN PART BY THE CONTRACTOR, A SUBCONTRACTOR, OR BY ANYONE FOR WHOSE ACTS ANY OF THEM MAY BE LIABLE, SHALL BE REMEDIED BY THE CONTRACTOR, EXCEPT DAMAGE OR LOSS PROPERLY ATTRIBUTABLE SOLELY TO THE ACTS OR OMISSIONS OF THE OWNER, OR THE ENGINEER OR ANYONE EMPLOYED BY THEM, OR FOR WHOSE ACTS ANY OF THEM MAY BE LIABLE, AND NOT PROPERLY ATTRIBUTABLE IN WHOLE OR IN PART, TO THE FAULT OR NEGLIGENCE OF THE CONTRACTOR.
22. UNTIL FINAL ACCEPTANCE OF THE WORK BY OWNER, THE CONTRACTOR SHALL HAVE THE CHARGE AND CARE OF AND SHALL BEAR THE RISK OF INJURY OR DAMAGE, LOSS OR EXPENSE TO ANY PART THEREOF, OR TO ANY MATERIALS STORED ON SITE, BY THE ACTION OF THE ELEMENTS OR FROM ANY OTHER CAUSE WHETHER ARISING FROM THE EXECUTION OR NON-EXECUTION OF THE WORK. THE CONTRACTOR SHALL REBUILD, REPAIR, RESTORE AND MAKE GOOD ALL INJURIES OR DAMAGES TO ANY PORTION OF THE WORK OCCASIONED BY ANY OF THE ABOVE CAUSES BEFORE FINAL ACCEPTANCE AND SHALL BEAR THE EXPENSES THEREOF.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL INSPECTION CRITERIA AND SCHEDULES, AND SIGNING FOR SAID INSPECTIONS.
24. THE CONTRACTOR SHALL CONTROL AND BE RESPONSIBLE FOR THEIR OPERATIONS AND THOSE OF THEIR SUBCONTRACTORS AND ALL SUPPLIERS, TO ASSURE THE LEAST INCONVENIENCE TO THE PUBLIC. THE CONTRACTOR SHALL MAINTAIN FREE AND UNOBSTRUCTED MOVEMENT OF VEHICULAR TRAFFIC AND SHALL LIMIT THEIR OPERATIONS IN RELATION TO THE SAFETY AND CONVENIENCE OF THE TRAVELING PUBLIC. UNDER ALL CIRCUMSTANCES, SAFETY SHALL BE THE MOST IMPORTANT CONSIDERATION.
25. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE POLICIES AND GUIDELINES ESTABLISHED BY ALL AGENCIES HAVING JURISDICTION FOR THE PRESERVATION OF ALL PUBLIC AND PRIVATE PROPERTY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE OR INJURY TO PROPERTY OF ANY CHARACTER, DURING THE EXECUTION OF THE WORK, RESULTING FROM ANY ACT, OMISSION, NEGLECT, OR MISCONDUCT IN THEIR MANNER OR METHOD OF EXECUTING THE WORK, OR AT ANYTIME DUE TO DEFECTIVE WORK OR MATERIALS.
26. THE CONTRACTOR SHALL NOT EXCAVATE, REMOVE, OR OTHERWISE DISTURB ANY MATERIAL, STRUCTURE OR PART OF A STRUCTURE WHICH IS LOCATED OUTSIDE THE LINES, GRADES OR GRADING SECTIONS ESTABLISHED FOR THIS PROJECT, EXCEPT WHERE SUCH EXCAVATION OR REMOVAL IS PROVIDED FOR IN THE CONTRACT, PLANS OR SPECIFICATIONS.
27. THE CONTRACTOR SHOULD VERIFY THE QUANTITIES AND LENGTHS OF MATERIALS SHOWN ON THE PLANS. ANY DISCREPANCY BETWEEN MATERIAL CALLOUTS AND ACTUAL SHOWN IN PLAN VIEW IS TO BE BROUGHT TO THE ENGINEER'S ATTENTION BY THE CONTRACTOR PRIOR TO BIDDING. IT IS THE ENGINEER'S INTENTION TO CONSTRUCT WHAT IS SHOWN ON THE PLANS.
28. ANY DISCREPANCY BETWEEN THE DIMENSIONS AND MEASUREMENTS SHOWN ON THE PLANS AND THE ACTUAL FIELD CONDITIONS SHALL IMMEDIATELY BE BROUGHT TO THE ENGINEER'S ATTENTION. FAILURE TO DO SO AND TO CONTINUE CONSTRUCTION SHALL MAKE THE CONTRACTOR RESPONSIBLE FOR ALL ERRORS AND NECESSARY CORRECTIONS THAT MAY SUBSEQUENTLY ARISE.

EROSION CONTROL

1. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS AND ALL REGULATIONS CONTROLLING POLLUTION OF THE ENVIRONMENT.
2. THE CONTRACTOR SHALL DEVELOP AND IMPLEMENT A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) ACCORDING TO EPA/FDEP NPDES CRITERIA TO MINIMIZE EROSION AND INSURE PROPER FUNCTIONING OF STORM WATER MANAGEMENT SYSTEM UPON COMPLETION OF CONSTRUCTION. IN ADDITION TO MEETING EPA/FDEP NPDES CRITERIA, THE SWPPP SHALL BE SUBMITTED TO AND COMPLY WITH LOCAL AGENCY HAVING JURISDICTION'S MINIMUM EROSION CONTROL CRITERIA.
3. CONTRACTOR SHALL EXECUTE ALL MEASURES NECESSARY TO LIMIT THE TRANSPORTATION OF SEDIMENTS OUTSIDE THE LIMITS OF THE PROJECT TO THE VOLUME AND AMOUNT AS THOSE THAT EXIST PRIOR TO COMMENCEMENT OF CONSTRUCTION. THIS CONDITION MUST BE SATISFIED UNTIL PROJECT IS FULLY COMPLETED AND ACCEPTED. CONTRACTOR SHALL PROVIDE ROUTINE MAINTENANCE ON TEMPORARY EROSION CONTROL FEATURES AT HIS EXPENSE. PROVISION MUST BE MADE TO PRESERVE THE INTEGRITY AND CAPACITY OF CHECK WEIRS, SEDIMENT BASINS, SLOPE DRAINS, GRADING PATTERNS, ETC. REQUIRED TO MEET THIS PROVISION THROUGH OUT THE LIFE OF CONSTRUCTION. CONTRACTOR SHALL PROVIDE HAY BALES, SILT BARRIERS, MURAFI FILTERS, TEMPORARY GRASSING, ETC., AS REQUIRED TO FULLY COMPLY WITH THE INTENT OF THIS SPECIFICATION. CONTRACTOR SHALL PROVIDE CONTINUOUS MONITORING OF EROSION AND SEDIMENT CONTROLS TAKEN AND SHALL DOCUMENT ALL CORRECTIVE MEASURES. A COPY OF THE APPROVED SWPPP SHALL BE KEPT ON SITE AT ALL TIMES FOR REVIEW BY OWNER'S REPRESENTATIVE AND BY NPDES INSPECTORS. THIS PERMIT MUST BE SUBMITTED TO CITY OF ORLANDO BY THE CONTRACTOR PRIOR TO THE ISSUANCE OF PERMITS.
4. THE OWNER AND/OR CONTRACTOR SHALL PROVIDE A NOTICE OF INTENT IN ACCORDANCE WITH CRITERIA SET FORTH IN THE NPDES PERMIT REQUIREMENTS 48 HOURS PRIOR TO BEGINNING CONSTRUCTION, CLEARING, OR DEMOLITION.
5. PROVIDE EFFECTIVE TEMPORARY AND PERMANENT EROSION CONTROL FOLLOWING THE REQUIREMENTS IN SECTION 104 OF THE STATE DEPT. OF TRANSPORTATION STANDARDS SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION. (F.D.O.T. SECTION 104)
6. INLETS AND CATCH BASINS SHALL BE PROTECTED FROM SEDIMENTATION RESULTING FROM SURFACE RUNOFF UNTIL COMPLETION OF ALL CONSTRUCTION OPERATION THAT MAY CAUSE SEDIMENT RUNOFF. FILTER FABRIC SHALL BE PLACED AND MAINTAINED UNDER THE GRATE AND FILTER SOCKS PLACED IN FRONT OF THE THROAT OF CURB INLETS, DURING CONSTRUCTION.
7. TURBIDITY BARRIERS MUST BE INSTALLED AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SEDIMENTS AND SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS DUE TO CONSTRUCTION. TURBIDITY BARRIERS SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED, SOILS ARE STABILIZED AND VEGETATION HAS BEEN ESTABLISHED.
8. ALL SLOPES 5:1 OR GREATER SHALL BE SODDED. ALL POND SLOPES AND RIGHTS-OF-WAY SHALL BE SODDED.
9. IN ACCORDANCE WITH FDEP AND WATER MANAGEMENT DISTRICT PERMITS, ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED WITHIN 7 DAYS OF NO CONSTRUCTION ACTIVITIES.

DEMOLITION AND CLEARING

1. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CLEARLY DESIGNATE THE LIMITS OF CONSTRUCTION ON-SITE. THE CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE THE LIMITS OF CONSTRUCTION.
2. THE CONTRACTOR SHALL BE EXTREMELY CAUTIOUS WHEN WORKING NEAR TREES THAT ARE TO BE SAVED, WHETHER SHOWN IN THE PLANS OR DESIGNATED IN THE FIELD.
3. ALL PRACTICAL AND NECESSARY EFFORT SHALL BE TAKEN DURING CONSTRUCTION TO PREVENT UNNECESSARY TREE REMOVAL.
4. ANY PROPOSED CUT OR FILL MATERIAL TO BE REMOVED OR PLACED WITHIN THE DRIP LINE OF SPECIMEN TREES TO REMAIN, INCLUDING TRENCHING FOR PROPOSED IMPROVEMENTS SUCH AS UTILITIES, WILL REQUIRE THE ADVANCED PRE-TREATMENT OF EACH IMPACTED TREE BY A QUALIFIED ARBORIST OR AT THE DIRECTION OF THE LANDSCAPE ARCHITECT TO MINIMIZE THE POTENTIALLY ADVERSE IMPACTS OF CONSTRUCTION.
5. TREE PROTECTION BARRICADES OR EQUIVALENT PROTECTIVE MEASURES WILL BE CONSTRUCTED ACCORDING TO THE LOCAL JURISDICTION'S CRITERIA FOR TREES TO REMAIN WITHIN THE LIMITS OF CONSTRUCTION.
6. IN AREAS REQUIRING FILL MATERIAL, THE CONTRACTOR SHALL STRIP OR OTHERWISE REMOVE ALL VEGETATION SUCH AS BRUSH, HEAVY SODS, HEAVY GROWTH OF GRASS, DECAYED VEGETATION MATTER, RUBBISH AND ANY OTHER DELETERIOUS MATERIAL BEFORE EMBANKMENT IS PLACED. IMMEDIATELY PRIOR TO THE PLACING OF FILL MATERIAL, THE ENTIRE AREA UPON WHICH FILL IS TO BE PLACED, SHALL BE SCARIFIED IN A DIRECTION APPROXIMATELY PARALLEL TO THE AXIS OF FILL. THE GEOTECHNICAL ENGINEER SHALL APPROVE THE AREA PRIOR TO THE PLACEMENT OF FILL.

PAVING, GRADING & DRAINAGE

1. THE CONTRACTOR SHALL PERFORM ALL WORK PERTAINING TO DRAINAGE INCLUDING EXCAVATION OF STORMWATER MANAGEMENT PONDS OR EQUIVALENT FACILITIES PRIOR TO THE COMMENCEMENT OF OTHER WORK INCLUDED IN THESE PLANS.
2. THE CONTRACTOR SHALL STAKE ALL IMPROVEMENTS USING THE RECORD PLAT. THE CONTRACTOR SHALL VERIFY WITH THE ENGINEER THAT THE PLAT IS CORRECT PRIOR TO ANY CONSTRUCTION. IF A PLAT DOES NOT EXIST, CONTRACTOR IS TO VERIFY USE OF THE SURVEY FOR LAYOUT WITH ENGINEER PRIOR TO STARTING WORK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLETELY STAKE AND CHECK ALL IMPROVEMENTS TO INSURE CORRECT POSITIONING, BOTH HORIZONTAL AND VERTICAL, INCLUDING MINIMUM BUILDING SETBACKS PRIOR TO THE INSTALLATION OF ANY IMPROVEMENT. ANY DISCREPANCY BETWEEN PLATTED INFORMATION AND THE PLANS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY AND IN WRITING.
3. PRIOR TO INITIATING ANY EXCAVATION (INCLUDING BUT NOT LIMITED TO TUNNELS, DITCHES, STORM WATER PONDS, CANALS, ARTIFICIAL LAKES) CONTRACTOR SHALL INSTALL FENCES AND TAKE ALL OTHER REASONABLE AND PRUDENT STEPS TO INSURE THAT ACCESS TO EXCAVATION BY UNAUTHORIZED PERSONNEL IS PREVENTED.
4. ALL DRAINAGE STRUCTURES ARE TO BE TRAFFIC BEARING UNLESS OTHERWISE NOTED. ALL PRECAST CIRCULAR STRUCTURES SHALL BE CONSTRUCTED WITH A MINIMUM 5-INCH WALL THICKNESS.
5. ALL PROPOSED PAVING SURFACES IN INTERSECTIONS AND ADJACENT EXISTING SECTIONS SHALL BE GRADED TO DRAIN POSITIVELY IN THE DIRECTION SHOWN BY THE PROPOSED GRADES AND FLOW ARROWS ON THE PLANS AND TO PROVIDE A SMOOTHLY TRANSITIONED DRIVING SURFACE FOR VEHICLES WITH NO SHARP BREAKS IN GRADE, AND NO UNUSUALLY STEEP OR REVERSE CROSS SLOPES. APPROACHES TO INTERSECTIONS AND ENTRANCE AND EXIT GRADES TO INTERSECTIONS MAY REQUIRE MINOR LOCAL FIELD ADJUSTMENTS SHOULD ACTUAL CONDITIONS VARY FROM THE SURVEYED INFORMATION THE DESIGN WAS BASED UPON IN ORDER TO ACCOMPLISH THE INTENT OF THE PLANS. IN ADDITION, THE STANDARD CROWN WILL 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 CONSULT THE ENGINEER AS NEEDED TO MAKE ANY AND ALL REQUIRED INTERPRETATIONS OF THE PLANS OR GIVE SUPPLEMENTARY INSTRUCTIONS SHOULD THE INTENT OF THE PLANS BE UNCLEAR.
6. CONSTRUCTION OF ROADWAYS SHALL MEET THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE LOCAL AGENCY(S) HAVING JURISDICTION AND THE MINIMUM SUGGESTED SECTIONS AS OUTLINED IN THE SOILS REPORT'S RECOMMENDATIONS, UNLESS OTHERWISE NOTED.
7. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ANY EXCESS CUTS OR SUPPLYING FILL AS NECESSARY TO GRADE THE SITE TO THE PROPOSED ELEVATIONS AS DESIGNED WITHIN THE CONSTRUCTION DOCUMENTS.
8. IF LIMESTONE BEDROCK IS ENCOUNTERED DURING EXCAVATION OF THE RETENTION BASINS OR A SINKHOLE OR SOLUTION CAVITY FORMS DURING CONSTRUCTION, EXCAVATION OF THE BASIN MUST BE HALTED IMMEDIATELY, THE OWNER, ENGINEER, AND WATER MANAGEMENT DISTRICT MUST BE NOTIFIED, AND REMEDIAL ACTION WILL BE REQUIRED. THE PERMITTEE MUST INSPECT ALL PERMITTED SURFACE WATER MANAGEMENT BASINS MONTHLY FOR THE OCCURRENCE OF SINKHOLES AND DOCUMENT THESE INSPECTIONS ON WATER MANAGEMENT DISTRICT CONDITION COMPLIANCE FORM NUMBER EN-33. TWO COPIES OF THE COMPLETED FORMS MUST BE SENT TO THE WATER MANAGEMENT DISTRICT AND THE LOCAL AGENCY HAVING JURISDICTION ANNUALLY BY MAY 31ST. OF EACH YEAR. THE PERMITTEE MUST REPORT ANY SINKHOLE THAT DEVELOPS WITHIN THE SURFACE WATER MANAGEMENT SYSTEM. THE PERMITTEE MUST NOTIFY THE WATER MANAGEMENT DISTRICT AND LOCAL AGENCY HAVING JURISDICTION OF ANY SINKHOLE DEVELOPMENT IN THE SURFACE WATER MANAGEMENT SYSTEM WITHIN 48 HOURS OF ITS DISCOVERY AND COMPLETE SINKHOLE REPAIR WITHIN 10 DAYS OF SUCH DISCOVERY USING A DISTRICT APPROVED METHODOLOGY.
9. AFTER THE ROADWAY HAS BEEN CONSTRUCTED TO SUBGRADE, IT SHALL BE PROOF-ROLLED TO ASSURE THAT PROPER COMPACTION HAS BEEN ATTAINED. THE PROOF-ROLLING AND COMPACTION OPERATIONS SHALL BE INSPECTED AND TESTED BY A FLORIDA LICENSED GEOTECHNICAL ENGINEER TO ASSURE THAT THE SPECIFIED COMPACTION IS MAINTAINED AND ALL DELETERIOUS MAT

POTABLE WATER

1. ALL PVC WATERMAINS 2" OR LESS SHALL BE SDR21 (200 PSI) UNLESS OTHERWISE NOTED.
2. WATER MAINS SHALL COMPLY WITH AWWA STANDARDS. ALL PVC PIPE 3 TO 12 INCHES SHALL BE AWWA C900 DR18; ALL PVC PIPE 14 INCHES AND LARGER SHALL COMPLY WITH AWWA C905 DR25. ALL WATER MAINS SHALL BEAR THE NSF LOGO AND SHALL BE COLOR-CODED OR MARKED USING BLUE AS A PREDOMINANT COLOR TO DIFFERENTIATE DRINKING WATER FROM OTHER WATER LINES.
3. WHERE DUCTILE IRON PIPE IS REQUIRED FOR WATER MAINS, IT SHALL CONFORM TO ANSI/AWWA A21.51. A MINIMUM THICKNESS FOR PRESSURE CLASS 350 PER ANSI/AWWA SHALL BE SUPPLIED. DIP SIZES UP TO 12 INCHES IN DIAMETER SHALL BE PRESSURE CLASS 350. DIP SIZES 14 INCHES AND LARGER SHALL BE PRESSURE CLASS 250.
4. ALL WATER MAIN FITTINGS, VALVES, RESTRAINTS, COUPLINGS, PIPE, AND IN GENERAL, THOSE MATERIALS REQUIRED FOR INSTALLING THE WATER SUPPLY SYSTEM, SHALL COMPLY WITH THE MINIMUM MATERIAL STANDARDS, RATINGS AND CLASSIFICATIONS ESTABLISHED BY THE RESPECTIVE UTILITY PROVIDER. ALL WATER MAIN FITTINGS SHALL BE DIP FOR ALL 3" THRU 12" PVC AND DIP WATER MAINS CONFORMING TO THE REQUIREMENTS OF ANSI/AWWA C153/A21.53 AND EPOXY COATED EXTERIOR, UNLESS NOTED OTHERWISE. .THESE FITTINGS SHALL INCORPORATE RESTRAINING RINGS, MEGA-LUGS OR OTHER APPROVED EQUIVALENT MECHANICAL DEVICES.
5. DUCTILE IRON PIPE AND FITTINGS SHALL HAVE A CEMENT MORTAR INTERIOR LINING CONFORMING TO THE REQUIREMENTS OF ANSI/AWWA C104/A21.4.
6. VALVES FOR POTABLE AND RAW WATER MAINS SHALL BE DUCTILE IRON (D.I.) EPOXY COATED GATE VALVES OR BUTTERFLY VALVES. SEE SPECIFICATIONS FOR DETAILS.
7. ALL POLYETHYLENE PRESSURE PIPE AND FITTINGS 4-INCH AND LARGER SHALL CONFORM TO AWWA STANDARD C906-99 (DR11) PRESSURE CLASS 160 AND ASTM STANDARD D3350, D2837 PE 3408.
8. ALL POLYETHYLENE PIPES FOR SERVICE TUBING SHALL CONFORM TO AWWA STANDARD C901 (DR9) PRESSURE CLASS 200 AND STANDARD D2737 PE 3408.
9. ALL PIPE AND POLYETHYLENE SERVICE TUBING SHALL BEAR THE NATIONAL SANITATION FOUNDATION (NSF) SEAL OF APPROVAL FOR POTABLE WATER SERVICE.
10. PVC PIPE LESS THAN 2-INCHES SHALL CONFORM TO ASTM D1785. THREADED PIPE AND FITTINGS SHALL BE SCH. 80 AND CONFORM TO ASTM D2464. UNTHREADED PIPE AND FITTINGS SHALL BE SCH. 40 WITH SOLVENT-CEMENTED JOINTS. CEMENTED JOINTS AND FITTINGS SHALL COMPLY WITH ASTM D2466 AND D2855.
11. 2", 2.5 " AND 3" PVC PIPE SHALL CONFORM TO ASTM D2241. PIPE SHALL BE FURNISHED IN 20-FOOT LENGTHS, SHALL HAVE DIMENSION RATIO (DR21) AND A WATER PRESSURE RATING OF 200 PSI.
12. PIPE MEASUREMENTS SHALL BE CENTER TO CENTER OF FITTINGS OR VALVES.
13. CONTRACTOR SHALL PROVIDE TEMPORARY THRUST RESTRAINTS, BRACING, TEST PLUGS AND/OR OTHER DEVICES NECESSARY TO SUCCESSFULLY COMPLETE PRESSURE TESTING OF ALL PRESSURE PIPING SYSTEMS, ANCILLARY TO THE WORK.
14. AUTOMATIC AIR RELEASE/VACUUM AIR RELEASE VALVES FOR UNDERGROUND INSTILLATION SHALL CONFORM WITH 62-555.320(21)(B)FAC & RSWW 8.4.2.
15. ALL BURIED PIPING SPECIFIED FOR PRESSURE SERVICE SHALL BE PROVIDED WITH RESTRAINING DEVICES AT ALL DIRECTIONAL CHANGES, UNLESS NOTED OTHERWISE.
16. ALL FASTENERS SHALL BE MANUFACTURED OF NON-CORROSIVE MATERIALS.
17. LOCATIONS AND DIMENSIONS OF EXISTING RIGHTS-OF-WAY AND EASEMENTS ARE BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY ALL THE LIMITS OF RIGHTS-OF-WAY AND EASEMENTS IN ORDER TO AVOID ENCROACHMENTS.
18. THE CONTRACTOR SHALL REPAIR OR REPLACE WITH EQUAL MATERIALS IN KIND OR AS DIRECTED BY THE OWNER OR INSPECTOR ANY ITEMS DISTURBED OR DAMAGED BY THE UTILITY CONSTRUCTION OR ITS RELATED ACTIVITIES FOR ITEMS SUCH AS BUT NOT LIMITED TO, PAVING, STABILIZED EARTH, DRIVEWAYS, ETC.
19. CONTRACTOR SHALL PAINT THE HYDRANTS ACCORDING TO FIRE DEPARTMENT REQUIREMENTS.
20. WHERE APPLICABLE FIRE HYDRANTS SHALL BE INSTALLED WITHIN THE ROW.
21. PROPER BACKFLOW PREVENTION ASSEMBLIES SHALL BE PROVIDED IN ACCORDANCE WITH RULE 62-555.360, F.A.C. AND AWWA MANUAL M14, "RECOMMENDED PRACTICE FOR BACKFLOW PREVENTION AND CROSS CONNECTION CONTROL" (LATEST EDITIONS) AS INCORPORATED IN RULE 62-555-330 FAC. THE METHOD OF CONNECTION TO THE EXISTING ACTIVE MAIN SHOULD BE CHOSEN TO ENSURE THAT THE PRESSURE DOES NOT DROP BELOW 20PSI OTHERWISE A BOIL WATER NOTICE IS REQUIRED TO BE ISSUED BY THE UTILITY SUPPLYING THE WATER.
22. CONTRACTOR SHALL COORDINATE WITH AGENCY HAVING JURISDICTION AND WATER SERVICE PROVIDER TO HAVE WATER SAMPLES TAKEN AT LOCATIONS AS SPECIFIED BY THEIR MINIMUM STANDARDS AND AS OUTLINED IN THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION PERMIT FOR CONSTRUCTION OF THE WATER DISTRIBUTION SYSTEM (IF PERMIT IS REQUIRED). DOCUMENTATION OF THE MINIMUM TESTING RESULTS SUCH AS BACTERIOLOGICAL REPORTS WITH RESIDUAL CL LEVELS SHALL BE SUBMITTED TO THE ENGINEER WITHIN 4 DAYS FROM THE DAY OF SAMPLE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW AND VERIFY THE RESULTS AS PASSING PRIOR TO SUBMITTAL TO THE ENGINEER.
23. ALL WATER MAINS SHALL BE HYDROSTATICALLY TESTED AND DISINFECTED IN ACCORDANCE WITH AWWA STANDARDS, LATEST REVISIONS. HYDROSTATIC TESTING FOR PVC MAINS SHALL BE 150 PSI FOR MINIMUM OF 2 HOURS AND MEET AWWA STANDARD C605/M23. DUCTILE IRON MAINS SHALL BE TESTED AT 150 PSI FOR 2 HOURS PER AWWA C600. ALL NEW MAINS SHALL BE DISINFECTED PER AWWA STANDARD C651. BACTERIOLOGICAL TESTS FOR 2 CONSECUTIVE DAYS SHALL BE APPROVED PRIOR TO PLACING SYSTEM INTO SERVICE.
24. ALL WATER MAINS SHALL HAVE AN "EARLY WARNING" PROTECTION TAPE INSTALLED CONTINUOUSLY ALONG THE ENTIRE LENGTH. THE PROTECTION TAPE SHALL BE INSTALLED DURING THE BACKFILLING 6 TO 12 INCHES BELOW FINISH GRADE DIRECTLY OVER THE PIPE AND BE CONTINUOUSLY MARKED WITH "CAUTION - WATER MAIN BURIED BELOW". THE TAPE SHALL HAVE AN EMBEDDED METALLIC DETECTABLE STRIP AND BE BLUE IN COLOR FOR POTABLE WATER.
25. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON ALL EQUIPMENT AND MATERIALS FOR APPROVAL TO THE ENGINEER AND WATER SERVICE PROVIDER PRIOR TO PROCUREMENT.

WATER LINE CONSTRUCTION NOTES PER FDEP

1. ALL PIPE, PIPE FITTINGS, PIPE JOINT PACKING AND JOINTING MATERIALS, VALVES, FIRE HYDRANTS, AND METERS INSTALLED WILL CONFIRM TO APPLICABLE AMERICAN WATER WORKS ASSOCIATION (AWWA) STANDARDS.
2. ALL PUBLIC WATER SYSTEM COMPONENTS, EXCLUDING FIRE HYDRANTS, THAT WILL BE INSTALLED AND THAT WILL COME INTO CONTACT WITH DRINKING WATER WILL CONFORM TO NSF INTERNATIONAL STANDARD 61 AS ADOPTED IN RULE 62-555.335, F.A.C., OR OTHER APPLICABLE STANDARDS, REGULATIONS, OR REQUIREMENTS REFERENCED IN PARAGRAPH 62-55.320 (3)(B), F.A.C.
3. ALL PIPE AND PIPE FITTINGS INSTALLED WILL CONTAIN NO MORE THAN 8.0% LEAD, AND ANY SOLDER OR FLUX USED IN THIS PROJECT WILL CONTAIN NO MORE THAN 0.2% LEAD.
4. ALL PIPE AND PIPE FITTINGS INSTALLED WILL BE COLOR-CODED OR MARKED IN ACCORDANCE WITH SUBPARAGRAPH 62-555.320 (21)(B) 3, F.A.C., USING BLUE AS A PREDOMINANT COLOR. (UNDERGROUND PLASTIC PIPE WILL BE SOLID-WALL BLUE PIPE, WILL HAVE A CO-EXTRUDED BLUE EXTERNAL SKIN, OR WILL BE WHITE OR BLACK PIPE WITH BLUE STRIPES INCORPORATED INTO, OR APPLIED TO, THE PIPE WALL; UNDERGROUND METAL OR CONCRETE PIPE WILL HAVE BLUE STRIPES APPLIED TO THE PIPE WALL. PIPE STRIPED DURING MANUFACTURING OF THE PIPE WILL HAVE CONTINUOUS STRIPES THAT RUN PARALLEL TO THE AXIS OF THE PIPE, THAT ARE LOCATED AT NO GREATER THAN 90-DEGREE INTERVALS AROUND THE PIPE, AND THAT WILL REMAIN INTACT DURING AND AFTER INSTALLATION OF THE PIPE. IF TAPE OR PAINT IS USED TO STRIPE PIPE DURING INSTALLATION OF THE PIPE, THE TAPE OR PAINT WILL BE APPLIED IN A CONTINUOUS LINE THAT RUNS PARALLEL TO THE AXIS OF THE PIPE AND THAT IS LOCATED ALONG THE TOP OF THE PIPE; FOR PIPE WITH AN INTERNAL DIAMETER OF 24 INCHES OR GREATER, TAPE OR PAINT WILL BE APPLIED IN CONTINUOUS LINES ALONG EACH SIDE OF THE PIPE AS WELL AS ALONG THE TOP OF THE PIPE. ABOVEGROUND PIPE WILL BE PAINTED BLUE OR WILL BE COLOR-CODED OR MARKED LIKE UNDERGROUND PIPE.)
5. ALL FIRE HYDRANTS THAT HAVE UNPLUGGED, UNDERGROUND DRAINS WILL BE LOCATED AT LEAST THREE FEET FROM ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C., OR VACUUM-TYPE SANITARY SEWER; AT LEAST SIX FEET FROM ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-10, F.A.C.; AND AT LEAST TEN FEET FROM ANY EXISTING OR PROPOSED "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM".
6. NEW OR ALTERED CHAMBERS, PITS, OR MANHOLES THAT CONTAIN VALVES, BLOW-OFFS, METERS, OR OTHER SUCH WATER DISTRIBUTION SYSTEMS APPURTENANCES WILL NOT BE CONNECTED DIRECTLY TO ANY SANITARY OR STORM SEWER, AND BLOW-OFFS OR AIR RELIEF VALVES INSTALLED UNDER THIS PROJECT WILL NOT BE CONNECTED DIRECTLY TO ANY SANITARY OR STORM SEWER.
7. NEW OR ALTERED WATER MAINS WILL BE INSTALLED IN ACCORDANCE WITH APPLICABLE AWWA STANDARDS OR IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDED PROCEDURES.
8. A CONTINUOUS AND UNIFORM BEDDING WILL BE PROVIDED IN TRENCHES FOR UNDERGROUND PIPE INSTALLED; BACKFILL MATERIAL WILL BE TAMPED IN LAYERS AROUND UNDERGROUND PIPE INSTALLED AND TO A SUFFICIENT HEIGHT ABOVE THE PIPE TO ADEQUATELY SUPPORT AND PROTECT THE PIPE; AND UNSUITABLY SIZED STONES (AS DESCRIBED IN APPLICABLE AWWA STANDARDS OR MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES) FOUND IN TRENCHES WILL BE REMOVED FOR A DEPTH OF AT LEAST SIX INCHES BELOW THE BOTTOM OF UNDERGROUND PIPE.
9. ALL WATER MAIN TEES, BENDS, PLUGS, AND HYDRANTS INSTALLED WILL BE PROVIDED WITH RESTRAINED JOINTS TO PREVENT MOVEMENT.
10. WATER MAINS THAT ARE CONSTRUCTED OF ASBESTOS-CEMENT OR POLYVINYL CHLORIDE PIPE WILL BE PRESSURE AND LEAKAGE TESTED IN ACCORDANCE WITH AWWA STANDARD C603 OR C605, RESPECTIVELY, AS INCORPORATED INTO RULE 62-555.330, F.A.C., AND ALL OTHER NEW OR ALTERED WATER MAINS INCLUDED IN THIS PROJECT WILL BE PRESSURE AND LEAKAGE TESTED IN ACCORDANCE WITH AWWA STANDARD C600 AS INCORPORATED INTO RULE 62-555.330 FAC.
11. WATER MAINS, INCLUDING FIRE HYDRANT LEADS AND INCLUDING SERVICE LINES THAT WILL BE UNDER THE CONTROL OF A PUBLIC WATER SYSTEM AND THAT HAVE AN INSIDE DIAMETER OF THREE INCHES OR GREATER, WILL BE DISINFECTED AND BACTERIOLOGICALLY EVALUATED IN ACCORDANCE WITH RULE 62-555.340, F.A.C.
12. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY-SEWER.
13. NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY-OR VACUUM-TYPE SANITARY SEWER, SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 6 INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
14. AT THE UTILITY CROSSINGS DESCRIBED ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C., AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY-OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
15. WHERE AUTOMATIC AIR RELIEF VALVES ARE INSTALLED THE ARV WILL BE EXTENDED SUCH THAT THE OPEN END OF THE AIR RELIEF PIPE WILL BE SEPARATED FROM THE GROUND BY AT LEAST ONE FOOT AND WILL BE PROVIDED WITH A SCREENED, DOWNWARD FACING ELBOW.

SANITARY GRAVITY & FORCE MAINS

1. ALL PVC GRAVITY SANITARY SEWER SHALL BE SDR35, UNLESS OTHERWISE NOTED; AND ALL PVC SANITARY SEWER FORCEMAIN 4" THRU 12" SHALL BE C900/DR18, UNLESS OTHERWISE NOTED.
2. LEAKAGE TESTS FOR THE SANITARY SEWER SYSTEM SHALL MEET PROVIDER'S SPECIFICATIONS USING THE LOW PRESSURE AIR TEST METHOD, 5 PSI FOR 5 MINUTES AND SHALL NOT EXCEED 400 FEET IN LENGTH AND SHALL BE TESTED BETWEEN ADJACENT MANHOLES AND SHALL INCLUDE ALL LATERALS.
3. ALL PVC SANITARY FORCE MAINS SHALL BE COLOR-CODED OR MARKED USING GREEN AS A PREDOMINANT COLOR TO DIFFERENTIATE THE FORCE MAIN FROM OTHER UTILITY LINES.
4. MINIMUM SLOPE ALLOWED FOR SANITARY SEWER PIPE IS 0.40%.
5. PVC PIPE AND FITTINGS 4-INCHES THROUGH 15-INCHES SHALL CONFORM TO ASTM D3034, SDR35 OR 26.
6. PVC PIPE AND FITTINGS 18-INCHES THROUGH 27-INCHES SHALL CONFORM TO ASTM F679-T1, SDR35.
7. PVC PIPE AND FITTINGS SHALL BE SOLID GREEN IN COLOR.
8. DUCTILE IRON PIPE FOR GRAVITY OR NON-PRESSURE SERVICE SHALL BE DESIGNED IN ACCORDANCE WITH AND CONFORMING TO THE REQUIREMENTS OF ASTM A746 FOR INSTALLATION WITH TRENCH TYPE II, OR IN ACCORDANCE WITH ANSI/AWWA C150/A21.50 AND ANSI/AWWA C151/A21.51.
9. DUCTILE IRON FITTINGS FOR USE IN GRAVITY OR NON-PRESSURE SERVICE SHALL CONFORM TO THE REQUIREMENTS OF ANSI/AWWA C153/A21.53, COMPACT DUCTILE IRON FITTINGS.
10. DUCTILE IRON PIPE AND FITTINGS FOR GRAVITY OR NON-PRESSURE SERVICE SHALL HAVE AN INTERIOR LINING CONSISTING OF A MINIMUM 40 MILS OF A CERAMIC EPOXY COATING. REFER TO SPECIFICATIONS FOR DETAILS.
11. MATERIAL FOR GRAVITY SEWER PIPE AND FITTINGS SHALL BE AS SHOWN FOR THE FOLLOWING DEPTHS OF EXCAVATION: A. 5' TO 12' PVC, ASTM 3034/ASTM F679, SDR 35 B. LESS THAN 5' OR GREATER THAN 12': PVC, ASTM 3034, SDR 26
12. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON ALL EQUIPMENT AND MATERIALS FOR APPROVAL BY THE ENGINEER AND SERVICE PROVIDER PRIOR TO PROCUREMENT.
13. PIPE MEASUREMENTS ON THE MAIN "TRUNK" SEWER SHALL BE FROM CENTER TO CENTER OF MANHOLES OR CLEANOUTS, UNLESS OTHERWISE NOTED.
14. PIPE MEASUREMENTS FOR SERVICE LATERALS SHALL BE FROM THE MAIN "TRUNK" SEWER TO THE PROPERTY LINE. THE DEPTH OF THE LATERAL AT THE PROPERTY LINE SHALL BE MEASURED AND RECORDED ON THE RECORD DRAWINGS.
15. FOR A SCHEDULED INTERRUPTION OF SANITARY SEWER MAIN FLOW, THE CONTRACTOR SHALL PROVIDE TO THE AGENCY HAVING JURISDICTION AND SERVICE PROVIDER FOR REVIEW A WRITTEN SCHEDULE AS TO THE METHOD AND DURATION OF FLOW INTERRUPTION.
16. DURING NORMAL SANITARY SEWER MAIN FLOW INTERRUPTION, THE CONTRACTOR SHALL PROVIDE UNINTERRUPTED BY-PASS FLOW AND SHALL PROVIDE ALL EQUIPMENT NECESSARY TO ACCOMPLISH THE SAME IN THE FORM OF, BUT NOT LIMITED TO, THE FOLLOWING: POWER, PUMPS, PIPING, APPURTENANT VALVES AND FITTINGS AND/OR SEPTIC TANKER TRUCK PUMPING, HAULING AND DISPOSAL SERVICES.
17. CONTRACTOR SHALL PAY FOR INSPECTION OF THE GRAVITY SEWER LINE BY A TV CAMERA SYSTEM. A VHS TAPE AND REPORT SHALL BE SUBMITTED TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FINAL INSPECTION BY SERVICE PROVIDER'S AUTHORIZED REPRESENTATIVE.

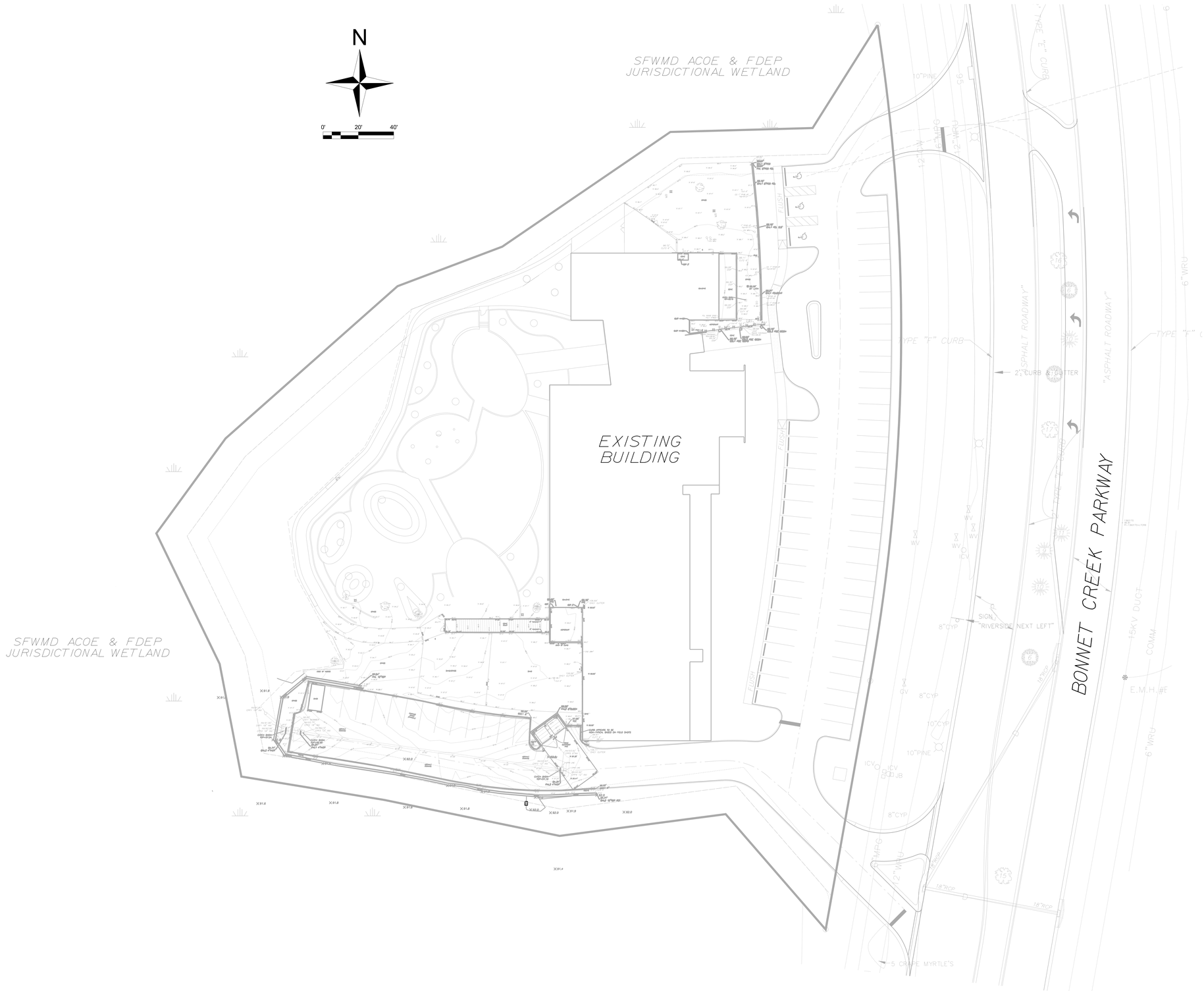
HAZARDOUS MATERIALS

1. HAZARDOUS MATERIAL MEANS ANY SUBSTANCE: (A) THE PRESENCE OF WHICH REQUIRES INVESTIGATION OR REMEDIATION UNDER ANY PRESENT FEDERAL, STATE OR LOCAL STATUTE, REGULATION, ORDINANCE, RULE, CODE, ORDER, ACTION, POLICY OR COMMON LAW, OR (B) WHICH IS OR BECOMES DEFINED AS A "HAZARDOUS WASTE," "HAZARDOUS SUBSTANCE," POLLUTANT OR CONTAMINANT UNDER ANY PRESENT FEDERAL, STATE OR LOCAL STATUTE, REGULATION, RULE OR ORDINANCE OR AMENDMENTS THERETO INCLUDING, WITHOUT LIMITATION, THE COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (42 U.S.C. SECTIONS 9601 ET SEQ.) AND/OR THE RESOURCE CONSERVATION AND RECOVERY ACT (42 U.S.C. SECTIONS 6901 ET SEQ.), OR (C) WHICH IS TOXIC, EXPLOSIVE, CORROSIVE, FLAMMABLE, INFECTIOUS, RADIOACTIVE, CARCINOGENIC, MUTAGENIC, OR OTHERWISE HAZARDOUS AND IS REGULATED BY ANY GOVERNMENTAL AUTHORITY, AGENCY, DEPARTMENT, COMMISSION, BOARD, AGENCY OR INSTRUMENTALITY OF THE UNITED STATES, THE STATE IN WHICH THE PREMISES ARE LOCATED OR ANY POLITICAL SUBDIVISION THEREOF, OR (D) THE PRESENCE OF WHICH ON THE PREMISES CAUSES OR THREATENS TO CAUSE A NUISANCE UPON THE PREMISES OR TO ADJACENT PROPERTIES OR POSES OR THREATENS TO POSE A HAZARD TO THE HEALTH OR SAFETY OF PERSONS ON OR ABOUT THE PREMISES, OR (E) WHICH CONTAINS GASOLINE, DIESEL FUEL OR OTHER PETROLEUM HYDROCARBONS, OR (F) WHICH CONTAINS POLYCHLORINATED BIPHENYLS (PCBS), ASBESTOS, LEAD OR UREA FORMALDEHYDE FOAM INSULATION.
2. CONTRACTOR AND ITS SUBCONTRACTORS SHALL USE, HANDLE, TRANSPORT, AND DISPOSE OF ALL HAZARDOUS MATERIALS (AS DEFINED HEREIN) IN COMPLIANCE WITH ALL PRESENT FEDERAL, STATE AND LOCAL ENVIRONMENTAL, HEALTH OR SAFETY LAW, INCLUDING, BUT NOT LIMITED TO, ALL SUCH STATUTES, REGULATIONS, RULES, ORDINANCES, CODES, AND RULES OF COMMON LAW.
3. CONTRACTOR FURTHER AGREES THAT CONTRACTOR AND ITS SUBCONTRACTORS SHALL NOT CAUSE THE DISCHARGE, RELEASE OR DISPOSAL OF ANY HAZARDOUS MATERIAL CREATED BY ITS WORK ON OR ABOUT THE JOB SITE. IN THE EVENT OF ANY SPILL, RELEASE OR ANY OTHER REPORTABLE OCCURRENCE, CONTRACTOR SHALL NOTIFY THE APPROPRIATE GOVERNMENTAL AGENCY AND SHALL TAKE SUCH ACTION AS MAY BE NECESSARY TO MINIMIZE THE DELETERIOUS EFFECT OF SUCH SPILL ON PERSONS OR PROPERTY.
4. CONTRACTOR AND ITS SUBCONTRACTORS SHALL, UPON COMPLETION OF PERFORMANCE OF ALL DUTIES UNDER THIS CONTRACT, REMOVE ALL SUPPLIES, MATERIALS, AND WASTE CONTAINING ANY HAZARDOUS MATERIAL FROM THE JOB SITE. CONTRACTOR SHALL BEAR FULL FINANCIAL RESPONSIBILITY, AS BETWEEN THE PARTIES OF THIS CONTRACT, FOR THE COMPLIANCE OF CONTRACTOR AND ITS SUBCONTRACTORS WITH THE PROVISIONS AS OUTLINED HEREIN.
5. CONTRACTOR AGREES TO INDEMNIFY, DEFEND, PROTECT AND HOLD THE OWNER HARMLESS FROM AND AGAINST ANY CLAIMS INCLUDING, WITHOUT LIMITATION, ACTUAL ATTORNEY'S FEES AND ANY COSTS OF INVESTIGATION, SOILS TESTING, GOVERNMENTAL APPROVALS, REMEDIATION AND CLEANUP ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE FAILURE OF CONTRACTOR OR ITS SUBCONTRACTORS, OR THEIR AGENTS, EMPLOYEES, OFFICERS, OR REPRESENTATIVES, TO COMPLY WITH THE TERMS AS DESCRIBED HEREIN.
6. SHOULD CONTRACTOR OR ITS SUBCONTRACTORS DISCHARGE, RELEASE OR DISPOSE OF ANY HAZARDOUS MATERIAL ON OR ABOUT THE JOB SITE IN VIOLATION OF THIS PARAGRAPH, CONTRACTOR SHALL IMMEDIATELY INFORM THE OWNER IN WRITING. IN THE EVENT OF ANY SPILL, RELEASE OR ANY OTHER REPORTABLE OCCURRENCE, CONTRACTOR SHALL NOTIFY THE APPROPRIATE GOVERNMENTAL AGENCY(S) AND SHALL TAKE SUCH ACTION AS MAY BE NECESSARY TO MINIMIZE THE DELETERIOUS EFFECT OF SUCH SPILL ON PERSONS, PROPERTY OR THE ENVIRONMENT.
7. IN THE EVENT CONTRACTOR OR ITS SUBCONTRACTORS ENCOUNTER ON THE PREMISES ANY PIPELINE, UNDERGROUND STORAGE TANK OR OTHER CONTAINER, OF ANY KIND, THAT MAY CONTAIN A HAZARDOUS MATERIAL, OR ENCOUNTER MATERIAL REASONABLY BELIEVED TO BE A HAZARDOUS MATERIAL, CONTRACTOR SHALL IMMEDIATELY STOP WORK IN THE AREA AFFECTED AND REPORT THE CONDITION TO THE OWNER IN WRITING.
8. IF CONTRACTOR OR ITS SUBCONTRACTORS DO NOT COMPLY WITH THE REQUIREMENTS AS OUTLINED HEREIN, OWNER MAY, BUT IS NOT OBLIGATED TO, GIVE WRITTEN NOTICE OF VIOLATION TO CONTRACTOR. SHOULD CONTRACTOR OR ITS SUBCONTRACTORS FAIL TO COMPLY WITH THE REQUIREMENTS OF THE PARAGRAPH WITHIN TWENTY-FOUR (24) HOURS FROM THE TIME OWNER ISSUES SUCH WRITTEN NOTICE OF NONCOMPLIANCE OR WITHIN THE TIME OF AN ABATEMENT PERIOD SPECIFIED BY ANY GOVERNMENTAL AGENCY, WHICHEVER PERIOD IS SHORTER, CONTRACTOR SHALL BE IN MATERIAL DEFAULT OF THIS CONTRACT.
9. ALL AREAS USED FOR FUEL STORAGE SHALL HAVE THE PROPERTY OWNER'S PRIOR APPROVAL AND APPROPRIATE MEASURES SHALL BE TAKEN TO INSURE PROTECTION OF GROUNDWATER AND SOIL RESOURCES.
10. DURING CONSTRUCTION, WHEN COMBUSTIBLES ARE BROUGHT ON TO THE SITE, ACCESS ROADS AND A SUITABLE TEMPORARY OR PERMANENT SUPPLY OF WATER ACCEPTABLE TO THE FIRE DEPARTMENT SHALL BE PROVIDED AND MAINTAINED CHAPTER 16, NFPA 1 2009 EDITION (FFPC 2010 EDITION).

PRE-CONSTRUCTION

1. CONTRACTOR SHALL ATTEND A MANDATORY PRE-CONSTRUCTION MEETING WITH THE ENGINEER OF RECORD AND APPLICABLE STAFF OF THE LOCAL AGENCY HAVING JURISDICTION (E.G. CITY OR COUNTY) PRIOR TO ANY DISTURBANCE OF LAND, CLEARING OR DEMOLITION. CONTRACTOR MUST PROVIDE WRITTEN NOTICE OF THE PRE-CONSTRUCTION MEETING'S TIME, DATE AND LOCATION TO THE OWNER AND ENGINEER OF RECORD A MINIMUM OF 48 HOURS PRIOR TO.
2. IF ANY TESTING, INSPECTION OR APPROVAL UNDER THIS PARAGRAPH REVEAL DEFECTIVE WORK, CONTRACTOR SHALL NOT BE ALLOWED TO RECEIVE ANY ASSOCIATED COSTS AND THE OWNER SHALL BE ENTITLED TO DEDUCT FROM THE CONTRACT PRICE, BY ISSUING A CHANGE ORDER, OWNER'S COSTS ARISING OUT OF THE DEFECTIVE WORK, INCLUDING COSTS OF REPEATED PROCEDURES, COMPENSATION FOR ENGINEER'S AND DESIGN ENGINEER'S SERVICES AND OTHER RELATED COSTS.
3. SHOP DRAWINGS AND CERTIFICATIONS FOR ALL STORM DRAINAGE, WATER SYSTEM, SEWER SYSTEM, AND PAVING SYSTEM MATERIALS AND STRUCTURES ARE REQUIRED. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO ORDERING THE MATERIALS REQUIRED FOR CONSTRUCTION.
4. THE CONTRACTOR SHALL PROVIDE THE ENGINEER 48-HOUR ADVANCE NOTIFICATION FOR THE FOLLOWING CONSTRUCTION AND OBSERVATION ACTIVITIES:

   SANITARY SEWER LAMPING AND VIDEO INSPECTION
   CONNECTIONS TO EXISTING SYSTEMS
   STORM DRAINAGE LAMPING
   INLET TOP POURS (REINFORCING STEEL CHECK)
   WATER AND FORCE MAIN PRESSURE TESTS
   BACTERIOLOGICAL SAMPLING
   BASE OBSERVATION & SOUNDING
   ASPHALT PLACEMENT
   PRE-FINAL OBSERVATION
   FINAL OBSERVATION
5. FIRE DEPARTMENT ACCESS ROADS SHALL BE PROVIDED AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION AND SHALL BE ACCESSIBLE 24/7. A KNOX BOX OR LOCK FOR ACCESS DURING NON-OCCUPIED TIMES SHALL BE PROVIDED PER NFPA 1 16.1.4.
6. TEMPORARY ROADS SHALL BE DESIGNED TO SUPPORT 75,000FD APPARATUS LOAD DURING ALL TYPES OF WEATHER PER NFPA 1 16.1.4.
7. UNDERGROUND MAINS AND HYDRANTS SHALL BE PERMITTED, INSPECTED, INSTALLED AND IN SERVICE BEFORE COMBUSTIBLES ARE BROUGHT ONSITE 16.4.3.1.
8. ALL UNDERGROUND MAINS, COMBINATION AND DEDICATED, SHALL NOT BE INSTALLED WITHOUT A FIRE PERMIT. REFERENCE NFPA 24 1.1.2. THIS STANDARD SHALL APPLY TO COMBINED SERVICE MAINS USED TO CARRY WATER FOR FIRE SERVICE AND OTHER USES.
9. UG FIRE PERMITS REQUIRED UNDERGROUND MAIN CONTRACTOR MUST APPLY FOR A FIRE PERMIT FOR THE INSTALLATION OR MODIFICATION OF ANY UNDERGROUND MAINS SERVING FIRE HYDRANTS AND/OR FIRE PROTECTION SYSTEMS PRIOR TO ANY INSTALLATION. HYDRANTS MUST BE IN COMPLIANCE WITH HYDRANT SPACING, LOCATION, DISTRIBUTION, COLOR CODING AND NEEDED FIRE FLOW MINIMUMS AS SPECIFIED IN CITY FIRE CODE. UNDERGROUND MAINS, COMBINATION AND DEDICATED, AND FIRE HYDRANT INSTALLATIONS ON PRIVATE PROPERTY WILL REQUIRE A FIRE PERMIT AND COMPLIANCE WITH NFPA24. [CITY FIRE CODE, SECTION 24.13(T)(13)].
10. U/G LICENSED CONTRACTOR THE PRIVATE DEDICATED UNDERGROUND FIRE MAINS AND FIRE HYDRANTS MUST BE INSTALLED BY A LICENSED FIRE CONTRACTOR CLASS I, II, OR V. COMBINATION FIRE MAINS (SHARED DOMESTIC AND FIRE PROTECTION SERVICE) AND FIRE HYDRANTS UP TO THE DEDICATED



REV. BY	DESCRIPTION	DATE	APPROVED BY

10			
9			
8			
7			
6			
5			
4	C. ALLEN	03-06-2020	PERMIT SUBMITTAL REVD
3	C. ALLEN	12-13-19	100% SUBMITTAL
2	C. ALLEN	11-22-19	50% SUBMITTAL
1	C. ALLEN	DATE	
	ISSUED BY		

PROJECT MANAGER:
PROJECT ARCHITECT:
PROJECT ENGINEER: CA
OTHER DISCIPLINES:
DRAWN: KJK
CHECKED: CA
APPROVED: CA
JOB NUMBER: 50118292

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UNIT NAME: BEST FRIENDS PET CARE ADDITION

SHEET TITLE: EXISTING CONDITIONS

Walt Disney World Co.
P.O.Box 10,000 . Lake Buena Vista . Florida 32830-1000
(407) 828-2141 (407)934-7292

Dewberry
Dewberry Engineers Inc.
800 NORTH MAGNOLIA AVE
SUITE 1000
ORLANDO, FL 32803
PHONE: 407.843.5120
ENGINEERING BUSINESS #3794
LAND ARCH - LC26000569

PROJECT AREA
LAKE BUENA VISTA

LAST FILED: 03-06-2020
EDMS PACKAGE CODE: WRE-BFPC-00-002

CAD DWG NAME: PET2 ExistPlan.dgn

SHEET NUMBER: C04
REV

SWPP / EROSION CONTROL PLAN

PROJECT NAME: BEST FRIENDS PET CARE FACILITY (BUILDING EXPANSION) **PROJECT #:** PET2 - 50118292 **FDEP PERMIT#:** N/A **SFWMD PERMIT #:** TBD

SITE PLAN

1. DRAINAGE PATTERNS (FLOW LINES): SEE GRADING PLAN (SHEET No. C09)
2. SLOPES: SEE GRADING PLAN (SHEET No. C09)
3. AREA DISTURBED/ AREAS NOT TO BE DISTURBED: SEE OVERALL SITE PLAN (SHEET No. C07)
4. LOCATION AND DETAILS OF BMPS: SEE OVERALL SITE PLAN (SHEET No. C07)
   (STRUCTURAL CONTROLS SUCH AS (BUT NOT LIMITED TO) SILT FENCES OR TURBIDITY BARRIERS AND NO- STRUCTURAL CONTROLS SUCH AS (BUT NOT LIMITED TO) ALUM SYSTEMS OR POLYCRLAMIDE)
5. LOCATION OF WETLANDS AND SURFACE WATERS: SEE OVERALL SITE PLAN (SHEET No. C07)
6. LOCATION (LATITUDE AND LONGITUDE) OF ALL OUTFALL(S) TO CITY STORM SEWER, OR SURFACE WATER: AREA OF CONSTRUCTION IS IN SECTION 19, TOWNSHIP 24 SOUTH, ~~RANG~~E 28 EAST. EXFILTRATION SYSTEM TO OUTFALL TO REEDY CREEK AT LAT. 81^32'28.37"W, LONG. 28^23'7.187"N.

OTHER INFORMATION

LOCATION (ADDRESS): 2510 BONNET CREEK ROAD, BAY LAKE, FLORIDA 32830

DESCRIPTION OF CONSTRUCTION ACTIVITIES: CONSTRUCT BUILDING AND ADUST PARKING, DRAINAGE AND GRADING

CONSTRUCTION SEQUENCE: EROSION PROTECTION INSTALLATION, SITE WORK, BUILDING CONSTRUCTION

SOIL TYPES: SMYRNA FINE SAND & SANIBEL MUCK

DEWATERING METHOD AND LOCATION: IF ANY DEWATERING REQUIRED BY CONTRACTOR IS TO BE PERMITTED BY THE APPROPRIATE AGENCY. DEWATERING WATER TO BE DISCHARGED AS REQUIRED BY RCID.

BMPS (DESCRIPTION): SEE OVERALL SITE PLAN (SHEET No. C07)

PERMANENT STABILIZATION (DESCRIPTION): SELECT COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180

PERMANENT STORMWATER MANAGEMENT CONTROL (DESCRIPTION): THE EXISTING STORMWATER PIPES & EXFILTRATION SYSTEM

POTENTIAL POLLUTANTS DURING CONSTRUCTION: COLLECTED BY ON-SITE STORMWATER MANAGEMENT SYSTEM

INSPECTIONS: CONSTRUCTION SITE WILL BE INSPECTED FOR EROSION PROBLEMS DAILY AND AFTER EACH RAINFALL GREATER THAN 0.5 INCHES. A RAIN GAUGE WILL BE ON SITE TO MEADURE TJE RAINFALL AMOUNTS

ADDITIONAL NOTES

CONTRACTOR IS RESPONSIBLE FOR INSTALLING ANY ADDITIONAL EROSION CONTROL IF IT BECOMES NECESSARY TO MEET STATE AND LOCAL STANDARDS

OPERATOR AND/OR RESPONSIBLE AUTHORITY: -------

CONTRACTOR: -------

REV. BY	DESCRIPTION	DATE	APPROVED BY
10			
9			
8			
7			
6			
5			
4			
3	C. ALLEN	03-06-2020	PERMIT SUBMITTAL RCID
2	C. ALLEN	12-13-19	CODE SUBMITTAL
1	C. ALLEN	11-22-19	CODE SUBMITTAL
	ISSUED BY	DATE	

PROJECT MANAGER:
PROJECT ARCHITECT:
PROJECT ENGINEER: CA
OTHER DISCIPLINES:
DRAWN: KJK
CHECKED: CA
APPROVED: CA
JOB NUMBER: 50118292

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UNIT NAME: BEST FRIENDS PET CARE ADDITION

SHEET TITLE: STORMWATER POLLUTION PREVENTION PLAN

Walt Disney World Co.
P.O.Box 10,000 . Lake Buena Vista . Florida 32830-1000
(407) 828-2341 (407)824-7202

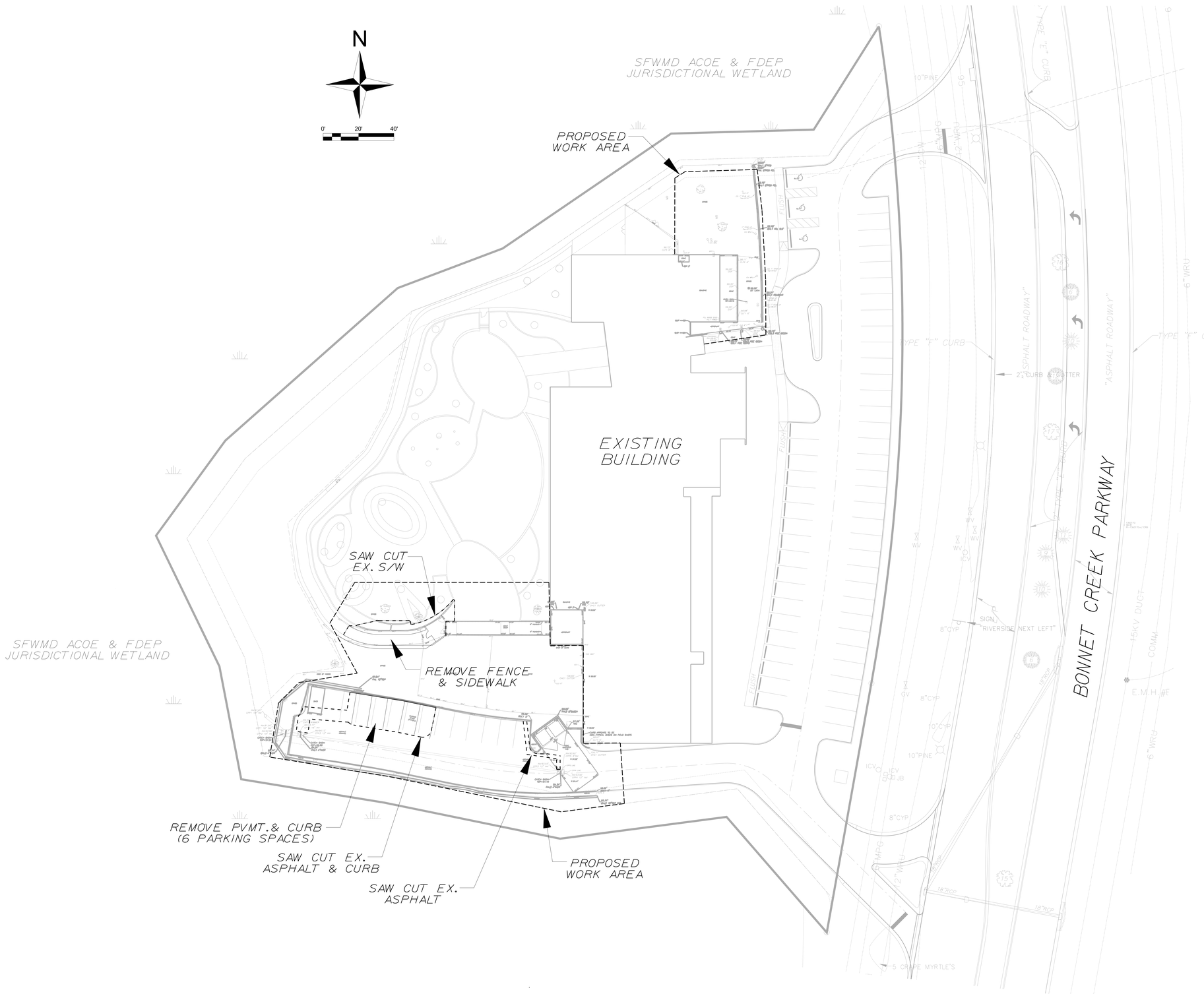
Dewberry
Dewberry Engineers Inc.
800 NORTH MAGNOLIA AVE
SUITE 1000
ORLANDO, FL 32803
PHONE: 407.843.5120
ENGINEERING BUSINESS #3794
LAND ARCH - LC26000599

PROJECT AREA: LAKE BUENA VISTA

LAST FILED: 03-06-2020 EDMS PACKAGE CODE: WRE-BFPC-00-002

CAD DWG NAME: PET2 SWPPP.dgn

SHEET NUMBER: C05 REV



REV. BY	DESCRIPTION	DATE	APPROVED BY

10				
9				
8	RESPONSES TO RGD COMMENTS	06-31-2020	C. ALLEN	
7				
6				
5				
4				
3	PERMIT SUBMITTAL RGD	03-06-2020	C. ALLEN	
2	100% SUBMITTAL	12-13-19	C. ALLEN	
1	50% SUBMITTAL	11-22-19	C. ALLEN	
	ISSUED BY	DATE		

PROJECT MANAGER:
PROJECT ARCHITECT:
PROJECT ENGINEER: CA
OTHER DISCIPLINES:
DRAWN: KJK
CHECKED: CA
APPROVED: CA
JOB NUMBER: 50118292

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UNIT NAME: Disney Animal Kingdom (DAK)

BEST FRIENDS PET CARE ADDITION

SHEET TITLE

DEMOLITION PLAN

Walt Disney World Co.
P.O.Box 10,000 - Lake Buena Vista - Florida 32830-1000
(407) 828-3041 (407)824-7202

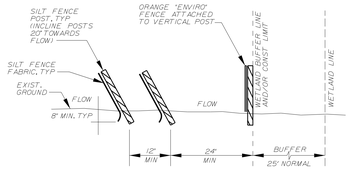
Dewberry
Dewberry Engineers Inc.
800 NORTH MAGNOLIA AVE
SUITE 1000
ORLANDO, FL 32803
PHONE: 407.843.5120
FLORIDA CERTIFICATE OF AUTHORIZATION #5794
LAND ARCH - LC26000569

PROJECT AREA
LAKE BUENA VISTA

LAST FILED:	EDMS PACKAGE CODE:
03-06-2020	WRE-BFPC-00-002

CAD DWG NAME:
PET2 DemoPlan.dgn

SHEET NUMBER: C06
REV



NOTES:

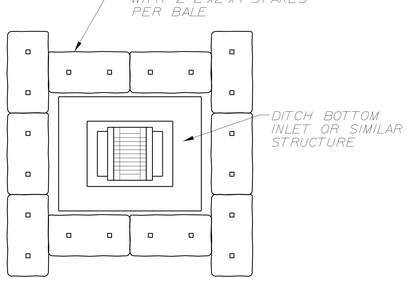
CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AS FOLLOWS:

1. SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
2. SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF ITS USE, IT SHALL BE REPLACED PROMPTLY.
3. SEDIMENT DEPOSITS SHALL BE REMOVED AFTER EACH STORM EVENT.
4. ANY SEDIMENT DEPOSITS LEFT IN PLACE AFTER THE SILT FENCE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE FINISHED GRADE, PREPARED AND SEEDED.
5. GEOTEXTILE MATERIAL TO MEET THE REQUIREMENTS OF SEC. 985-4.

DOUBLE SILT FENCE DETAIL

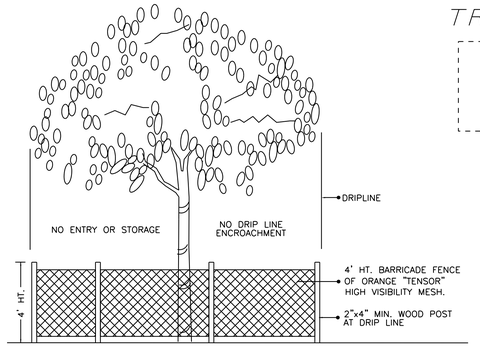
N.T.S.

NOTE:
TEMP. SILT FENCE DOUBLE ROW AS NOTED. THE EROSION CONTROL MEASURES DEPICTED ON THE PLANS ARE THE MINIMUM REQUIRED. ADDITIONAL MEASURES WILL BE UTILIZED BY THE CONTRACTOR AS NEEDED BASED ON ACTUAL SITE CONDITIONS.



INLET SILT PROTECTION DETAIL

PER FDOT INDEX #102

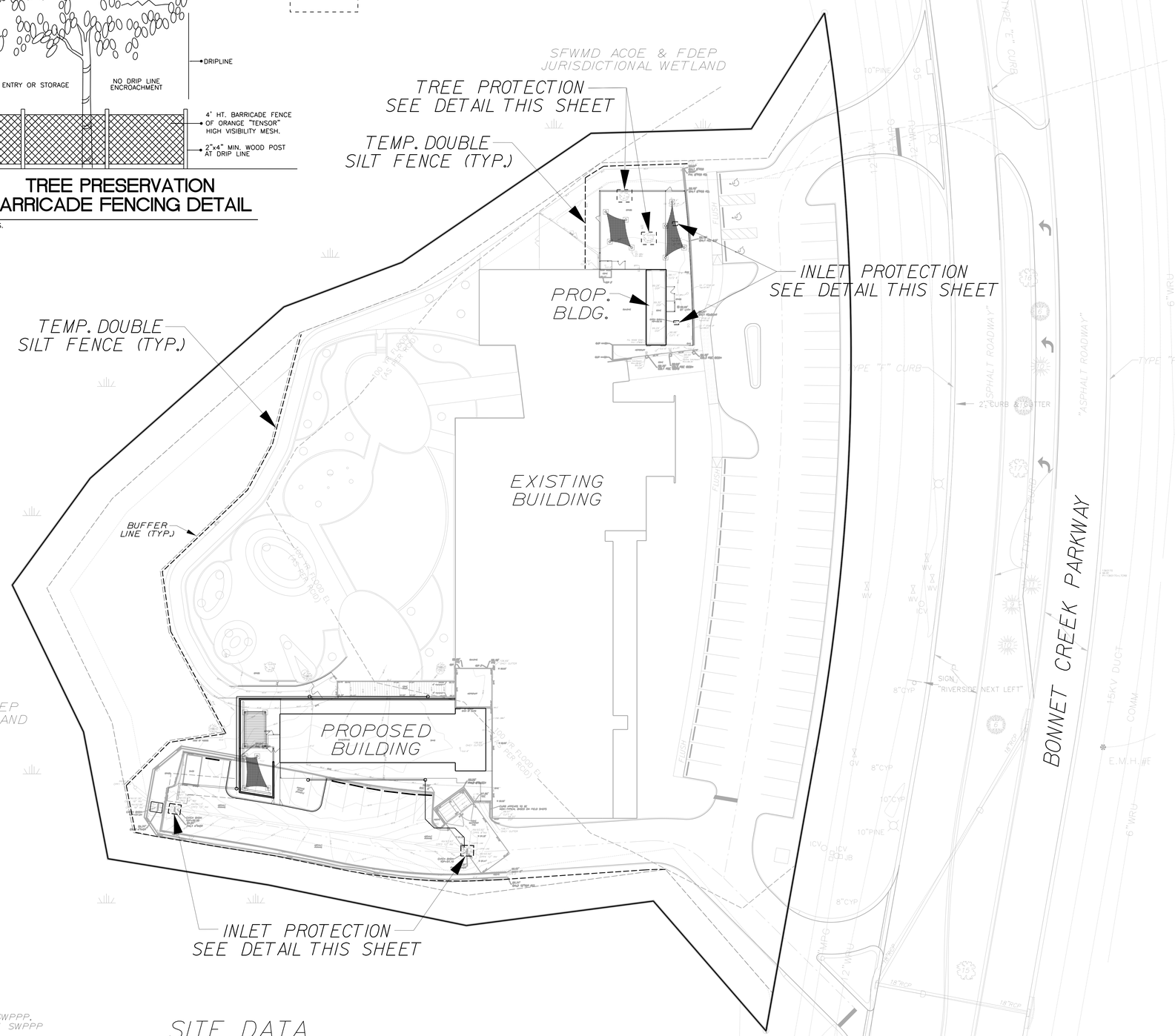


TREE PRESERVATION BARRICADE FENCING DETAIL

N.T.S.

TREE FENCING LEGEND

TREE PRESERVATION BARRICADE FENCING. TREES TO BE PROTECTED & REVIEWED BY OWNER



NOTES:

1. IT IS THE CONTRACTORS RESPONSIBILITY TO PREPARE THE SWPPP, SUBMITTING FOR THE NOI FOR THE PROPERTY, AND KEEP THE SWPPP UP-TO-DATE AND IN COMPLIANCE WITH THE EPA NPDES.
2. INLETS AND CATCH BASINS SHALL BE PROTECTED FROM SEDIMENTATION RESULTING FROM SURFACE RUNOFF UNTIL COMPLETION OF ALL CONSTRUCTION OPERATION THAT MAY CAUSE SEDIMENT RUNOFF. FILTER FABRIC SHALL BE PLACED AND MAINTAINED UNDER THE GRATE AND FILTER SOCKS PLACED IN FRONT OF THE THROAT OF CURB INLETS. DURING CONSTRUCTION. REFER TO FLORIDA STORMWATER EROSION & SEDIMENTATION CONTROL INSPECTOR'S MANUAL FOR DETAILS AND SPECIFICATIONS FOR APPROVED INLET PROTECTION AND ALL BMPS FOR PROPOSED STOCKPILE AREA, INCLUDING STABILIZATION TIME FRAMES, PERIMETER CONTROLS AND RUNOFF MANAGEMENT.
3. ADEQUATE DUST CONTROL MUST BE IMPLEMENTED DURING LAND DISTURBING ACTIVITIES. STABILIZATION MEASURES MUST BE INITIATED WITHIN 7 CALENDAR DAYS WHERE ACTIVITY HAS EITHER PERMANENTLY OR TEMPORARILY CEASED.
4. ALL GEOTECHNICAL REPORTS ARE CONSIDERED TO BE PART OF THESE PLANS. THE CONTRACTOR SHALL OBTAIN ANY AND ALL GEOTECHNICAL REPORTS AND CONSTRUCT ACCORDING TO THE RECOMMENDATION AND REQUIREMENTS SET FORTH IN SAID REPORTS. ANY CONFLICTS BETWEEN THE GEOTECHNICAL REPORT AND THE ENGINEERING PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION ACTIVITIES.

SITE DATA

TOTAL SITE AREA:	2.98 acres
BUILDING:	Permitted: 29,185 sq.ft. Proposed: 30,346 sq.ft.
PARKING:	See Sheet A-101 For Parking Requirements
BUFFER:	Average = 0.57 ac. Provided = 0.57 ac.
IMPERVIOUS CALCS:	Permitted 1.46 ac. Proposed 1.46 ac. Impervious (49.01%)

REV. BY	DESCRIPTION	APPROVED BY	DATE
10			
9			
8			
7			
6			
5			
4	PERMIT SUBMITTAL RCD	C. ALLEN	03-06-2020
3	100% SUBMITTAL	C. ALLEN	12-13-19
2	50% SUBMITTAL	C. ALLEN	11-22-19
1		ISSUED BY	DATE

PROJECT MANAGER:
PROJECT ARCHITECT:
PROJECT ENGINEER: CA
OTHER DISCIPLINES:
DRAWN: KJK
CHECKED: CA
APPROVED: CA
JOB NUMBER: 50118292

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UNIT NAME: BEST FRIENDS PET CARE ADDITION

SHEET TITLE: OVERALL SITE PLAN

Walt Disney World Co.
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(407) 828-2041 (407)934-7202

Dewberry
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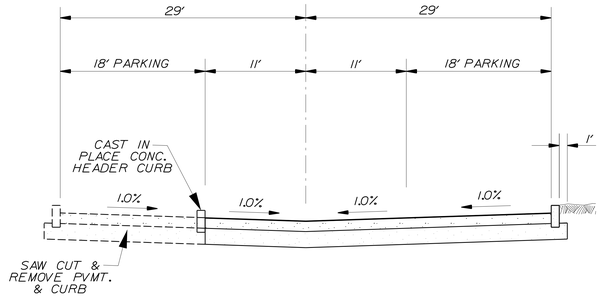
800 NORTH MAGNOLIA AVE
SUITE 1000
ORLANDO, FL 32803
PHONE: 407.843.5120
ENGINEERING BUSINESS #3794
LAND ARCH : LC26000599

PROJECT AREA
LAKE BUENA VISTA

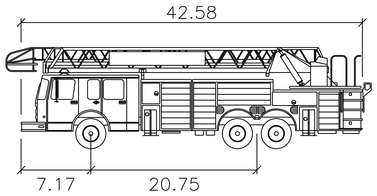
LAST FILED: 03-06-2020
EDMS PACKAGE CODE: WRE-BFPC-00-002

CAD DWG NAME: PET2 OverallSitePlan.dgn

SHEET NUMBER: C07
REV:

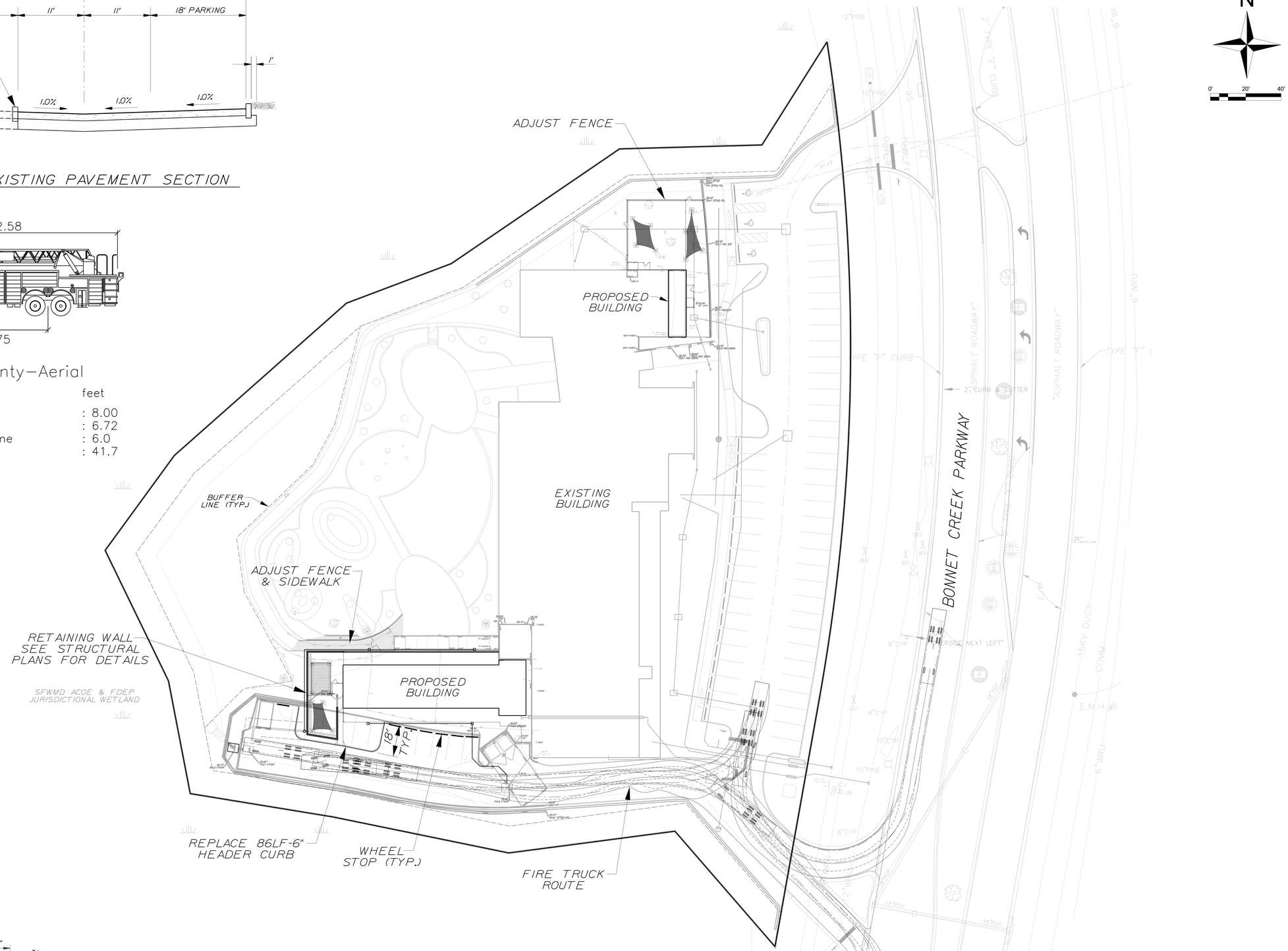


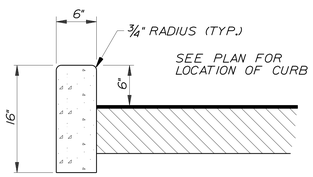
EXISTING PAVEMENT SECTION



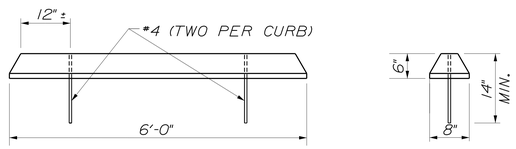
Orange County–Aerial

	feet
Width	: 8.00
Track	: 6.72
Lock to Lock Time	: 6.0
Steering Angle	: 41.7





6" x 16" CONCRETE HEADER CURB



WHEEL STOP DETAIL

ID	DATE	ISSUED BY	DESCRIPTION	REV. BY
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8	08-31-2020	C. ALLEN	RESPONSES TO ROD COMMENTS	
7				
6				
5				
4				
3	03-06-2020	C. ALLEN	PERMIT SUBMITTAL ROD	
2	12-13-19	C. ALLEN	100% SUBMITTAL	
1	11-22-19	C. ALLEN	50% SUBMITTAL	

PROJECT MANAGER:
PROJECT ARCHITECT:
PROJECT ENGINEER: CA
OTHER DISCIPLINES:
DRAWN: KJK
CHECKED: CA
APPROVED: CA
JOB NUMBER: 50118292

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UNIT NAME: BEST FRIENDS PET CARE ADDITION
SHEET TITLE: SITE/GEOMETRY PLAN

Walt Disney World Co.
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(407) 828-3041 (407)934-7252

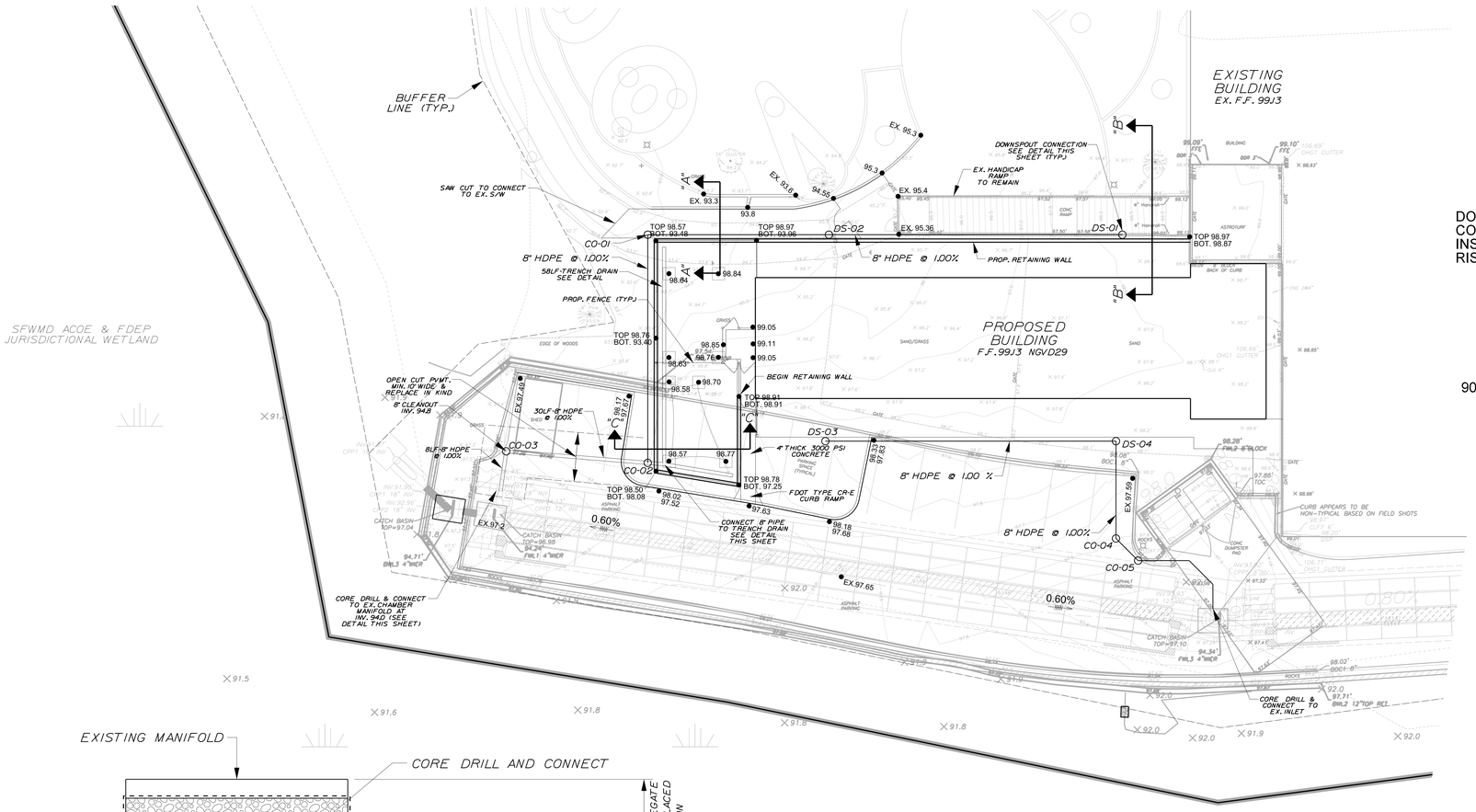
Dewberry
Dewberry Engineers Inc.
800 NORTH MAGNOLIA AVE
SUITE 1000
ORLANDO, FL 32803
PHONE: 407.843.5120
LANDSCAPE ARCHITECTURE BUSINESS #794
LAND AREA - LC26000568

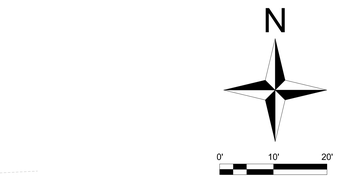
PROJECT AREA
LAKE BUENA VISTA

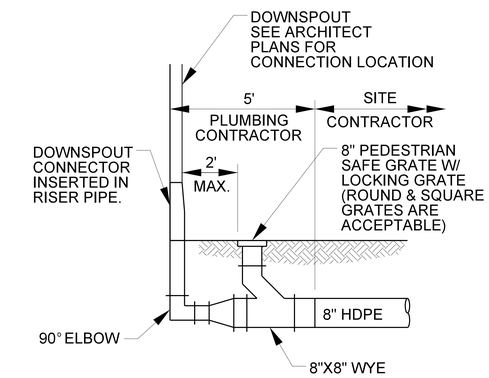
LAST FILED:	EDMS PACKAGE CODE:
03-06-2020	WRE-BFPC-00-002

CAD DWG NAME:
PET2 SiteGeometryPlan.dgn

SHEET NUMBER: C08
REV



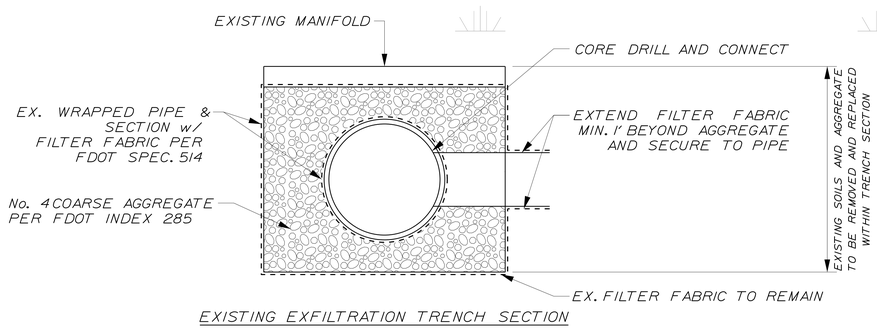




DOWNSPOUT CONNECTION DETAIL

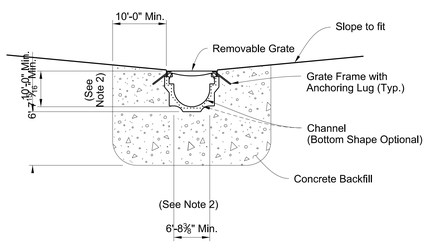
DOWNSPOUT CONNECTION / CLEAN-OUT TABLE

ID	INVERT IN	INVERT OUT
DS-01	96.52	96.52
DS-02	95.93	95.93
DS-03	95.02	95.02
DS-04	94.43	94.43
CO-01	95.56	95.56
CO-02	95.10	95.10
CO-03	94.80	94.80
CO-04	94.23	94.23
CO-05	94.16	94.16



EXISTING EXFILTRATION TRENCH SECTION

NOTE: CONTRACTOR TO HAVE A REPRESENTATIVE FROM RCID AND EOR INSPECT CHAMBERS PRIOR TO BACKFILLING REMOVED AGGREGATE, AND AGAIN PRIOR TO REPAVING.



PREFORMED CHANNEL WITH REMOVABLE GRATE

GENERAL NOTES:

1. Install outlet pipes and preformed channel inverts with a slope of 0.6% or steeper toward the outlet regardless of the surface slope, unless shown different in the Plans.

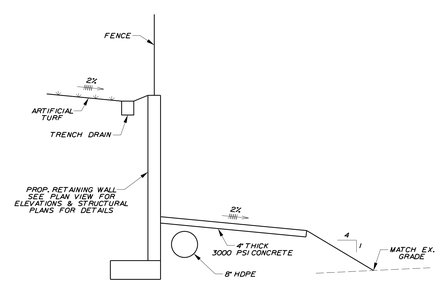
2. Stub trench drain directly into drainage structures or Install outlet pipes to connect trench drain to drainage structures.

3. Provide a cleanout port compatible with the manufactured system for Type I drains at the upstream end and at intervals of 50 feet maximum. Provide a cleanout port with an opening of 6" to 10" wide (transverse to the trench drain length) and 18" to 24" long. Form curbs or separators around the cleanout when cleanouts are placed adjacent to raised curb or separator. Install the cleanout with a removable load resistant cover or grate.

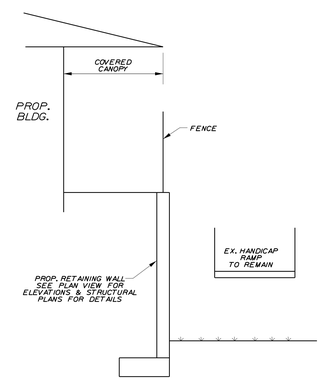
4. Excavate trench to allow for a minimum of 6" of concrete to be placed under and alongside the trench drain channel system. Install concrete backfill in accordance with Specification 347. Install concrete backfill extending a minimum of 6" past the end of the drain opening at the end of all Type I or II units.

5. Install transverse bars spaced 4" to 6" on center for Type I Trench Drain.

TRENCH DRAIN
FDOT INDEX 436-001



SECTION "A"-"A"



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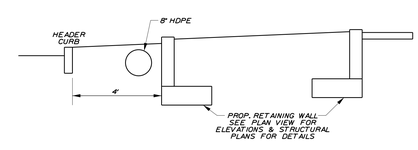

SECTION "C"-"C"

REV. BY	DESCRIPTION	DATE	APPROVED BY

10			
9			
8			
7	C. ALLEN	08-31-2020	RESPONSES TO RCID COMMENTS
6			
5			
4	C. ALLEN	03-06-2020	PERMIT SUBMITTAL RCID
3	C. ALLEN	12-13-19	100% SUBMITTAL
2	C. ALLEN	11-22-19	50% SUBMITTAL
1			
	ISSUED BY	DATE	

PROJECT MANAGER:
PROJECT ARCHITECT:
PROJECT ENGINEER: CA
OTHER DISCIPLINES:
DRAWN: KJK
CHECKED: CA
APPROVED: CA
JOB NUMBER: 50118292

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UNIT NAME: BEST FRIENDS PET CARE ADDITION

SHEET TITLE: GRADING PLAN & DETAILS

Walt Disney World Co.
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ORLANDO, FL 32803
407.843.5120
ENGINEERING BUSINESS #3794
LAND ARCH - LC26000569

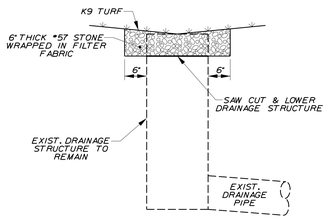
PROJECT AREA
LAKE BUENA VISTA

LAST FILED: 03-06-2020
EDMS PACKAGE CODE: WRE-BFPC-00-002

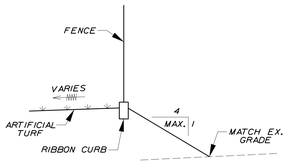
CAD DWG NAME: PET2 GradingPlan.dgn

SHEET NUMBER: C09
REV:

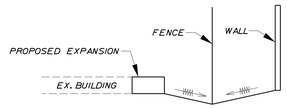
12:43:54 PM Q:\PET2_50118292\CAD\Civil\Final\Civil Plans\PET2 GradingPlan.dgn



MODIFY EXISTING DRAINAGE STRUCTURE DETAIL



SECTION "D"-"D"



SECTION "E"-"E"

REV. BY	DESCRIPTION	DATE	APPROVED BY

10				
9				
8	RESPONSE TO RDS COMMENTS	C. ALLEN	08-31-2020	
7				
6				
5				
4	PERMIT SUBMITTAL RCD	C. ALLEN	03-06-2020	
3	IDDS SUBMITTAL	C. ALLEN	12-13-19	
2	DDS SUBMITTAL	C. ALLEN	11-22-19	
1	ISSUED BY	C. ALLEN	DATE	

PROJECT MANAGER:
PROJECT ARCHITECT:
PROJECT ENGINEER: CA
OTHER DISCIPLINES:
DRAWN: KJK
CHECKED: CA
APPROVED: CA
JOB NUMBER: 50118292

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ENGINEERING BUSINESS #3794
LAND ARCH - LC26000569

PROJECT AREA: LAKE BUENA VISTA

LAST FILED: 03-06-2020
EDMS PACKAGE CODE: WRE-BFPC-00-002

CAD DWG NAME: PET2 GradingPlan02.dgn

SHEET NUMBER: C10
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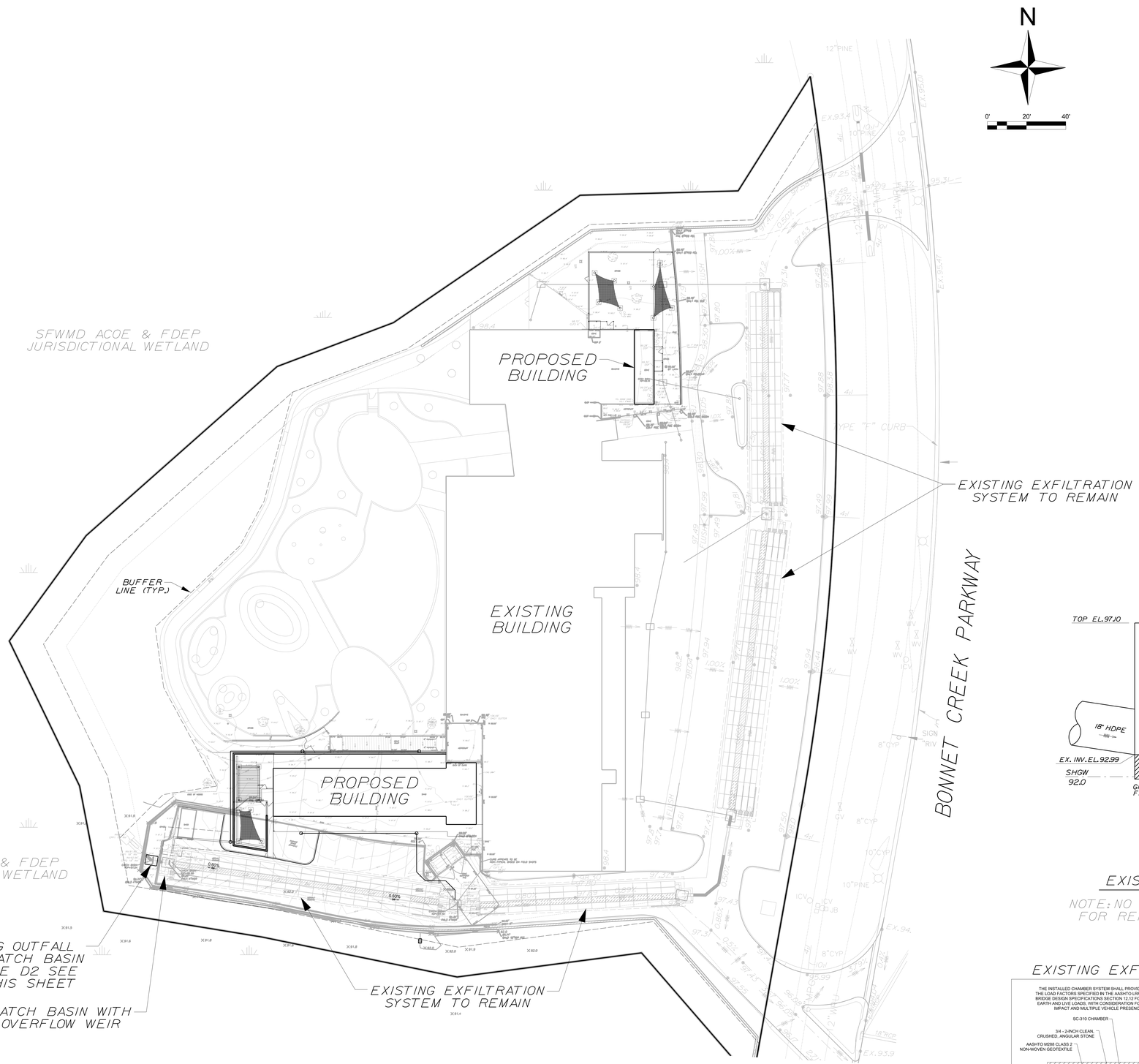
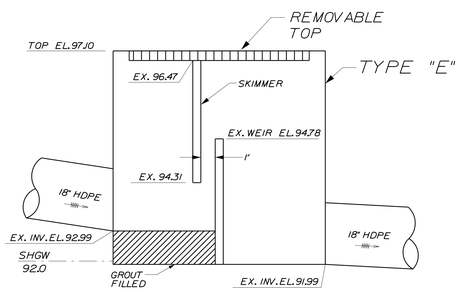
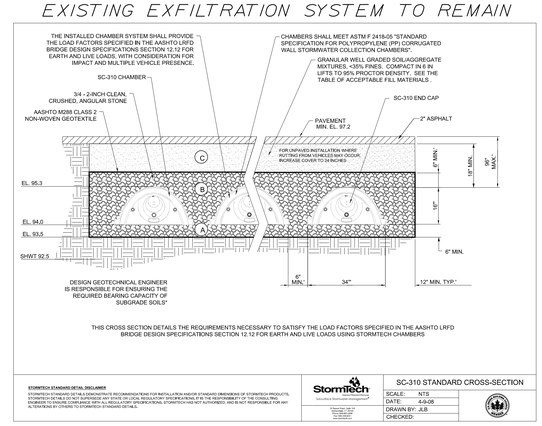




EXISTING SMART BOX - D2

NOTE: NO CHANGES PROPOSED, SHOWN FOR REFERENCE PURPOSES ONLY

EXISTING EXFILTRATION SYSTEM TO REMAIN



REV. BY	DESCRIPTION	DATE	APPROVED BY

REV	DATE	ISSUED BY
10		
9		
8		
7		
6		
5		
4		
3	03-06-2020	C. ALLEN
2	12-13-19	C. ALLEN
1	11-22-19	C. ALLEN

PERMIT SUBMITTAL RCD
100% SUBMITTAL
50% SUBMITTAL

PROJECT MANAGER:
PROJECT ARCHITECT:
PROJECT ENGINEER: CA
OTHER DISCIPLINES:
DRAWN: KJK
CHECKED: CA
APPROVED: CA
JOB NUMBER: 50118232

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UNIT NAME: BEST FRIENDS PET CARE ADDITION

SHEET TITLE: DRAINAGE PLAN & DETAILS

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PHONE: 407.843.5120
FLORIDA CERTIFICATE OF AUTHORIZATION NUMBER:35 d794
LAND ARCH - LC26000569

PROJECT AREA: LAKE BUENA VISTA

LAST FILED: 03-06-2020
EDMS PACKAGE CODE: WRE-BFPC-00-002
CAD DWG NAME: PET2 DrainagePlan.dgn
SHEET NUMBER: C11
REV