ECUA Engineering Manual Reference Note* *note shall be inserted in the upper right corner of title shee

Sheet List Table

GENERAL NOTES, LEGENDS & ABBREVIATIONS

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EXFILTRATION SYSTEM

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applicable only to ECUA infrastructure to be constructed in public ROW or in utility easement; not to be applied to private water/sewer facilities on private property (see Building Code)

A. ECUA Engineering Manual Incorporated by Reference

The ECUA Engineering Manual, dated December 18, 2014, along with Update # 1 dated September 1, 2016 (hereinafter "Manual"), located at www.ecua.fl.gov, is hereby incorporated by reference into this Project's official contract documents as if fully set forth therein. It is the Contractor's responsibility to be knowledgeable of the Manual's contents and to construct the Project in accordance with the Manual. The Contractor shall provide its employees access to the Manual at all times, via Project site or office, via digital or paper format. In the event of a conflict between the Manual and Plans, Contractor shall consult Engineer of Record for proper resolution.

B. Additional Documents (to be completed by the Engineer of Record) Does this Project have additional technical specifications or construction details that

supplement and/or supersede the Manual listed above? ☐YES NO□. If yes, Contractor shall construct Project in accordance with said documents as listed and

	Docume	ent Type	Location		
Document Name	Specifi- cation	Detail	Plans	Proje Manu	
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*Project Manuals used only with ECUA CIP Projects C. Engineer of Record Responsibilities

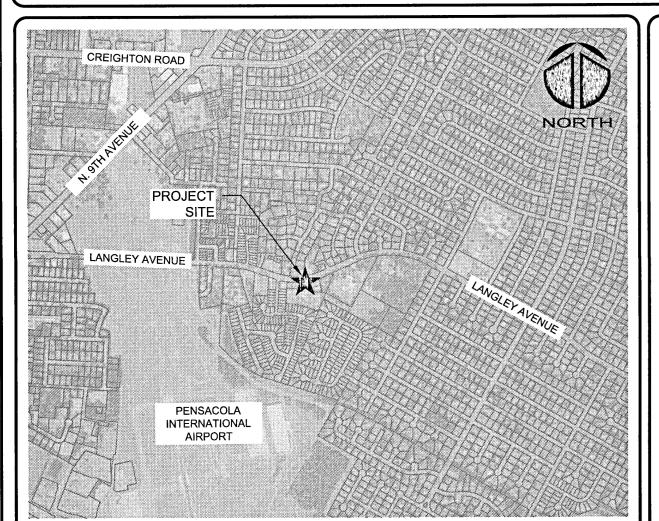
The Engineers of Record (EORs) that have affixed their seals and signatures on these plans warrant their portions of the plans have been designed in accordance with the Manual (unless otherwise directed by the ECUA Project Engineer). The EORs shall be knowledgeable of the Manual's contents and shall assume responsibility for its use





AERO SPACES HOUSING MULTI-FAMILY

PROJECT NO. 08195-0001 FEBRUARY 2022 ISSUED FOR PERMIT- NOT RELEASED FOR CONSTRUCTION



PROJECT NAME: AERO SPACES HOUSING MULTI-FAMILY

VICINITY MAP

OWNER/DEVELOPER: AERO SPACES HOUSING, LLC

1800 YATES AVENUE

PENSACOLA, FL 32503 EMAIL: richardmcolbert@yahoo.com

Approved
ESCAMBIA COUNTY DRC PLAN REVIEW

applicable Escambia County Regulations and Ordinances, and does not in any way relieve the submitting Architect, Engineer, Surveyor or other signatory from responsibility of details as drawn. A Development Order (DO) must be obtained through the Development Review Process prior to the commencement of construction. This DO approval does not constitute approval by any other agency. All additional state/federal permits shall be provided to the county prior to approval of a final plat or the issuance of state/federal permits shall be provided to the county prior to approval of a final plat or the issuance of a



1206 N. Palafox Street Pensacola, Florida 32501 Phone: (850) 994-9503

CA Lic. No. 29588 www.mckimcreed.com

PROJECT INFORMATION



GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PLANS AND SITE WORK SPECIFICATIONS AND SHALL COMPLY WITH APPLICABLE FEDERAL, STATE AND LOCAL CODES AND OSHA STANDARDS.
- 2. IN THE CASE OF DISCREPANCY ON THESE DRAWINGS AND CONDITIONS IN THE FIELD, THE MORE STRINGENT REQUIREMENT SHALL BE MET. REPORT ANY DISCREPANCY TO THE ENGINEER PRIOR TO ACTION.
- . LOCATIONS AND ELEVATIONS OF UTILITIES SHOWN ON THE PLANS ARE TO BE CONSIDERED APPROXIMATE ONLY. THE CONTRACTOR MUST EMPLOY THE USE OF GROUND PENETRATING RADAR (GPR) EQUIPMENT BY A QUALIFIED COMPANY AND PERSONNEL TO LOCATE, IDENTIFY, AND PROTECT EXISTING UNDERGROUND UTILITIES IN THE AREA OF WORK. ANY UTILITIES SPOTTED MUST BE DRAWN ON THE SITE PLAN PROVIDED BY THE ARCHITECT/ENGINEER AND SUBMITTED AS PART OF THE AS-BUILT DRAWINGS. NOTIFY UTILITY AND ARCHITECT/ENGINEER
- 6. ALL HANDICAP ACCESSIBLE PARKING SIGNS AND STRIPING SHALL BE IN ACCORDANCE WITH THE AMERICAN WITH DISABILITY ACT (ADA) REQUIREMENTS AND STATE CODE.
- 7. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PUBLIC AGENCY(IES) PRIOR TO COMMENCING WORK WITHIN THEIR JURISDICTION(S).
- 8. THE CONTRACTOR SHALL MAINTAIN COPIES OF ALL APPLICABLE PERMITS ON-SITE AND SHALL BE RESPONSIBLE TO ADHERE TO ALL PERMIT CONDITIONS DURING CONSTRUCTION.
- 9. CONTRACTOR SHALL BE RESPONSIBLE FOR PENALTIES/FINES LEVIED DUE TO WORK THAT IS NOT IN ACCORDANCE WITH PERMIT CONDITIONS.
- 10. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE PROVISIONS OF THE TRENCH SAFETY ACT (FLORIDA STATUTES, SECTION 553.60 ET. SEQ.) AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATIVE SAFETY STANDARDS (29 C.F.R. SECTION 1926.650, SUBPART P) WHICH
- 11. THE CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ANY DAMAGE TO ANY EXISTING IMPROVEMENTS, ONSITE OR OFF SITE, SUCH AS PAVEMENT, UTILITIES, STORM DRAINAGE, ETC. THE REPAIR MUST BE APPROVED BY QUALIFIED PROFESSIONAL ENGINEER AND PROPERTY OWNER AND BE EQUAL OR BETTER THAN EXISTING CONDITIONS.
- 12. CONTRACTOR SHALL OBTAIN ALL PERMITS BEFORE CONSTRUCTION BEGINS.

OF CONFLICTS BETWEEN EXISTING AND PROPOSED FACILITIES.

- SITE CONTRACTOR SHALL SUPPLY AS—BUILT PLANS INDICATING ALL CHANGES AND DEVIATIONS.
- 14. ANY DEVIATION FROM THESE PLANS MAY CAUSE THE WORK TO BE UNACCEPTABLE
- 15. THE CONTRACTOR SHALL IMMEDIATELY REPORT IN WRITING WITH ADEQUATE SUPPORTING DOCUMENTATION TO THE OWNER AND ENGINEER ANY DISCREPANCIES FOUND BETWEEN THE ACTUAL FIELD CONDITIONS AND THE CONSTRUCTION DOCUMENTS AND SHALL WAIT FOR INSTRUCTION PRIOR TO PROCEEDING WITH WORK.
- 16. CONTRACTOR AGREES TO REPAIR ANY DAMAGE TO THE PUBLIC RIGHT-OF-WAY IN ACCORDANCE WITH THE STANDARDS OF THE FDOT.

EROSION CONTROL NOTES

- TEMPORARY STABILIZATION IS REQUIRED FOR ALL SOIL LEFT BARE FOR GREATER THAN 14 DAYS.
- 2. PERMANENT SOIL STABILIZATION REQUIRED. SEE LANDSCAPE PLANS FOR SOD AND OTHER IMPROVEMENT LOCATIONS.
- 3. STORMWATER RETENTION AREAS SHOULD BE CONSTRUCTED FIRST TO PREVENT DISCHARGE FROM THE SITE DURING CONSTRUCTION.
- 4. REQUIRED INSPECTIONS BY CONTRACTOR DURING CONSTRUCTION:
- a. ONCE EACH WEEK OR WITHIN 24 HRS OF A STORM EVENT (GREATER THAN 1/2 IN.) INSPECT ALL CONTROL MEASURES.
- REPAIR ALL DAMAGED AREAS WITHIN 24 HRS OF DISCOVERY
- c. REMOVE ANY BUILT-UP SEDIMENT AROUND FENCES THAT REACHES 1/3 OF THE SILT FENCE HEIGHT.
- d. SILT FENCES SHALL BE INSPECTED FOR DEPTH OF SEDIMENT AND TEARS TO ENSURE FABRIC HAS NOT PULLED AWAY FROM POSTS.
- e. INSPECT ALL TEMPORARY AND PERMANENT SOIL STABILIZATION FOR WASHOUTS OR BARE SPOTS
- INSPECTION REPORTS MUST BE AVAILABLE FOR INSPECTION AT ALL TIMES. THE SITE SUPERINTENDENT SHALL CONDUCT ALL INSPECTIONS AND MAINTAIN REPORTS.
- g. DATES OF ALL MAJOR GRADING ACTIVITIES MUST BE RECORDED AND MAINTAINED WITH SITE INSPECTIONS. WHEN MAJOR GRADING HAS CEASED IN ANY AREA, THE DATE MUST ALSO BE RECORDED.
- 5. THE SITE SHALL BE KEPT IN AN ORDERLY FASHION, THE CONTRACTOR SHALL ENSURE THE FOLLOWING ITEMS ARE ADDRESSED:
- a. AN EFFORT TO STORE ONLY WHAT IS NEEDED ON THE SITE.
- b. KEEP ALL STORED MATERIALS IN A NEAT AND ORDERLY FASHION IN THE ORIGINAL CONTAINERS WHEN POSSIBLE
- c. FOLLOW ALL MANUFACTURERS RECOMMENDED PROCEDURES FOR DISPOSAL OF WASTE MATERIAL
- d. INSPECT DAILY TO ENSURE WASTE MATERIAL IS DISPOSED OF PROPERLY
- COUNTY RESERVES THE RIGHT TO TERMINATE ALL CONSTRUCTION ACTIVITIES UNTIL CONTRACTOR ADEQUATELY INSTALLS, MAINTAINS, AND/OR REPLACES EROSION CONTROL MEASURES TO CONDITION ACCEPTED BY THE COUNTY AT NO ADDITIONAL COST.

SURVEYOR NOTES

- NORTH AND THE BEARINGS SHOWN HEREON ARE REFERENCED TO THE DEED BEARING OF SOUTH 89 DEGREES 41 MINUTES 35 SECONDS EAST ALONG THE NORTH LINE OF SECTION 14, TOWNSHIP 1 SOUTH, RANGE 29 WEST, ESCAMBIA COUNTY, FLORIDA
- 2. THE MEASUREMENTS SHOWN HEREON WERE MADE TO UNITED STATES STANDARDS AND WERE RECORDED IN DECIMAL OF FEET UNLESS OTHERWISE MARKED.
- 3. NO TITLE SEARCH WAS PERFORMED BY NOR PROVIDED TO THIS FIRM FOR THE SUBJECT PROPERTY. THERE MAY BE DEEDS OF RECORD, UNRECORDED DEEDS, EASEMENTS, RIGHTS-OF-WAY, BUILDING SETBACKS, STATE AND/OR FEDERAL JURISDICTIONAL AREAS RESTRICTIVE COVENANTS OR OTHER INSTRUMENTS THAT COULD AFFECT THE BOUNDARIES OR USE OF THE SUBJECT PROPERTY.
- 4. THE SURVEY DATUM SHOWN HEREON IS REFERENCED TO THE WARRANTY DEED RECORDED IN OFFICIAL RECORDS BOOK 2532, AT PAGE 413, OF THE PUBLIC RECORDS OF ESCAMBIA COUNTY, FLORIDA; THE CORRECTIVE WARRANTY DEED RECORDED IN OFFICIAL RECORDS BOOK 3614. AT PAGE 585, OF THE PUBLIC RECORDS OF SAID COUNTY; THE WARRANTY DEED RECORDED IN OFFICIAL RECORDS BOOK 6801, AT PAGE 1025, OF THE PUBLIC RECORDS OF SAID COUNTY; THE CORRECTIVE WARRANTY DEED RECORDED IN OFFICIAL RECORDS BOOK 4455, AT PAGE 861. OF THE PUBLIC RECORDS OF SAID COUNTY; OTHER DEEDS OF RECORD; A PREVIOUS SURVEY PREPARED BY HARVEY MICHAEL BOEKE, DATED 3/14/89; THE PLAT OF SOTOGRANDE VILLAS UNIT NO. 3, RECORDED IN PLAT BOOK 17, AT PAGE 14 OF THE PUBLIC RECORDS OF SAID COUNTY; THE PLAT OF THE GANT RECORDED IN PLAT BOOK 11, AT PAGE 35, OF THE PUBLIC RECORDS OF SAID COUNTY: THE PLAT OF 3RD ADDITION TO KENSINGTON RECORDED IN PLAT BOOK 8, AT PAGE 75 OF THE PUBLIC RECORDS OF SAID COUNTY; THE PLAT OF 5TH ADDITION TO KENSINGTON RECORDED IN PLAT BOOK 10, AT PAGE 59 OF THE PUBLIC RECORDS OF SAID COUNTY; OFFICE OF COUNTY APPRAISER, ESCAMBIA COUNTY, FLORIDA, MAP OF SECTION 14, T-1S, R-29-W, DATED 7/24/2015; PREVIOUS SURVEYS BY THIS FIRM; AND TO EXISTING FIELD MONUMENTATION.
- 5. STATE AND FEDERAL COPYRIGHT ACTS PROTECT THIS MAP FROM UNAUTHORIZED USE. THIS MAP IS NOT TO BE COPIED OR REPRODUCED EITHER IN WHOLE OR IN PART. OR TO BE USED FOR ANY OTHER FINANCIAL TRANSACTION. THIS DRAWING CANNOT BE USED FOR THE BENEFIT OF ANY OTHER PERSON, COMPANY OR FIRM WITHOUT THE PRIOR WRITTEN CONSENT OF THE COPYRIGHT OWNER.
- 6. IN ACCORDANCE WITH STATE OF FLORIDA ADMINISTRATIVE CODE, ANY ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING SURVEYOR AND MAPPER ARE PROHIBITED WITHOUT PRIOR WRITTEN CONSENT OF THE SIGNING SURVEYOR AND MAPPER.
- 7. THE STRUCTURE DIMENSIONS IF ANY DO NOT INCLUDE THE EAVES OR OVERHANG OR THE FOUNDATION FOOTINGS.
- 8. IT IS THE OPINION OF THE UNDERSIGNED SURVEYOR AND MAPPER THAT THE PROPERTY SHOWN HEREON IS LOCATED IN ZONE "X", BASE FLOOD ELEVATION NOT APPLICABLE, AS DETERMINED BY SCALE FROM FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP OF ESCAMBIA COUNTY, FLORIDA NUMBERED 12033C0385 G, DATED SEPTEMBER 29, 2006.

SPILL CONTROL NOTES

- IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE EROSION CONTROL NOTES OF THIS PLAN, THE FOLLOWING PRACTICES SHALL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:
- MANUFACTURERS RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.
- b. ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
- c. SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF SIZE.
- d. THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.
- e. THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR.

DEMOLITION NOTES

- CONTRACTOR SHALL OBTAIN NECESSARY PERMITS AND LICENSES FOR PERFORMING THE DEMOLITION WORK AND SHALL FURNISH A COPY OF SAME TO THE ENGINEER PRIOR TO COMMENCING THE WORK. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE PERMITS.
- 2. NO WORK WITHIN THE RIGHT-OF-WAY IS AUTHORIZED UNTIL A RIGHT-OF-WAY PERMIT IS OBTAINED.
- THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES OR LOCAL AUTHORITIES FURNISHING GAS, WATER, ELECTRICAL, TELEPHONE, OR SEWER SERVICE SO THEY CAN REMOVE, RELOCATE, DISCONNECT, CAP OR PLUG THEIR EQUIPMENT IN ORDER TO FACILITATE DEMOLITION.
- CONTRACTOR SHALL PROTECT ALL UTILITIES AND OTHER IMPROVEMENTS SHOWN ON THESE PLANS AND UTILITIES AND OTHER IMPROVEMENTS NOT SHOWN. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR REPAIRS OF UTILITIES AND OTHER IMPROVEMENTS DAMAGED DURING CONSTRUCTION AND SHALL MAINTAIN SUFFICIENT PROTECTION FOR ALL UTILITIES REQUIRED TO PROTECT THEM FROM DAMAGE AND TO PROTECT THE PUBLIC DURING CONSTRUCTION. CONTRACTOR SHALL ALSO SUPPORT EXISTING UTILITIES AS REQUIRED FOR INSTALLATION OF ALL PROPOSED IMPROVEMENTS. ALL COSTS ASSOCIATED WITH PROTECTING, SUPPORTING, REPAIRING, AND OTHER ACTIVITIES RESULTING FROM CONTRACTOR DAMAGING UTILITIES SHALL BE THE CONTRACTOR'S RESPONSIBILITY AT NO ADDITIONAL COST TO THE OWNER OR LOCAL UTILITY.
- CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL TREES, STRUCTURES, AND UTILITIES NOT MARKED FOR REMOVAL OR DEMOLITION AND SHALL PROMPTLY REPAIR ANY DAMAGE AS DIRECTED BY THE ENGINEER AT NO COST TO THE OWNER. TREES NOT MARKED FOR REMOVAL SHALL BE PROTECTED.
- CONTRACTOR SHALL CLEAR AND GRUB THE SITE AS NECESSARY TO CONSTRUCT PROPOSED IMPROVEMENTS. REMOVE TREES MARKED FOR REMOVAL WHICH INCLUDES THE ROOTS ASSOCIATED WITH THE TREE.
- 7. ALL UNSUITABLE MATERIALS, INCLUDING ORGANICS AND MUCK, MUST BE EXCAVATED AND REMOVED FROM THE SITE AND REPLACED WITH CLEAN SAND PRIOR TO GRADING THE SITE.
- 8. CONTRACTOR SHALL TAKE PROPER MEASURES TO ENSURE EXCAVATED OR UNSALVAGEABLE MATERIAL STORED ON-SITE ARE PROTECTED AGAINST EROSION AND SEDIMENTATION. CONTRACTOR SHALL REMOVE UNSALVAGEABLE MATERIALS AND YARD WASTE FROM THE SITE IN A TIMELY MANNER AND DISPOSE OF IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND
- CONTRACTOR SHALL REMOVE BUILDING STRUCTURES MARKED FOR DEMOLITION WHICH INCLUDES FOOTERS ASSOCIATED WITH THE STRUCTURE, WATER LINES TO THE METER LOCATION, LATERALS TO THE RIGHT-OF-WAY LINE (CAP PRIOR TO BACKFILLING THE TRENCH), AND UNDERGROUND ELECTRICAL WIRING NOT ASSOCIATED WITH THE APPROPRIATE POWER
- 10. UNLESS OTHERWISE NOTED, ALL DEMOLISHED MATERIALS (PAVING, CURB, UTILITY PIPE, ETC.) SHALL BE REMOVED AND DISPOSED OF OFF SITE. NOTHING IDENTIFIED FOR DEMOLITION SHALL BE ABANDONED IN PLACE.
- 11. CONTRACTOR SHALL SAW-CUT A SMOOTH STRAIGHT EDGE ON ANY PAVEMENT PROPOSED FOR DEMOLITION PRIOR TO ITS REMOVAL. PRIOR TO CONNECTING PROPOSED PAVEMENT TO EXISTING PAVEMENT, THE CONTRACTOR SHALL ENSURE THAT THE EDGE OF THE EXISTING PAVEMENT IS STRAIGHT AND UNIFORM.
- 12. CONTRACTOR SHALL REMOVE PAVING MARKED FOR DEMOLITION WHICH INCLUDES ALL ASPHALT, CONCRETE, BASE, AND RETAINING WALLS (INCLUDING THE FOOTERS).
- 13. FULL DEPTH PAVEMENT SECTION REMOVAL INCLUDES ANY ASSOCIATED ASPHALT OR CONCRETE PAVEMENT, BASE MATERIAL, AND COMPACTED SUBGRADE TO A DEPTH TO REACH OF NATURAL SOIL.

ESCAMBIA COUNTY NOTES

- 1. THE PROJECT ENGINEER (ENGINEER OF RECORD) SHALL PROVIDE TO ESCAMBIA COUNTY "AS-BUILT" RECORD DRAWINGS FOR VERIFICATION AND APPROVAL BY ESCAMBIA COUNTY ONE WEEK PRIOR TO REQUESTING A FINAL INSPECTION AND CERTIFICATE OF OCCUPANCY, OR PROVIDE "AS-BUILT" CERTIFICATION THAT THE PROJECT CONSTRUCTION ADHERES TO THE PERMITTED PLANS AND SPECIFICATIONS. THE "AS-BUILT" CERTIFICATION OR THE "AS-BUILT" RECORD DRAWINGS MUST BE SIGNED, SEALED AND DATED BY A REGISTERED FLORIDA PROFESSIONAL ENGINEER.
- 2. ALL ASPECTS OF THE STORMWATER/DRAINAGE COMPONENTS AND/OR TRANSPORTATION COMPONENTS SHALL BE COMPLETED PRIOR TO ISSUANCE OF A FINAL CÉRTIFICATE OF OCCUPANCY.
- 3. NO DEVIATIONS OR REVISIONS FROM THESE PLANS BY THE CONTRACTOR SHALL BE ALLOWED WITHOUT PRIOR APPROVAL FROM BOTH THE DESIGN ENGINEER AND THE ESCAMBIA COUNTY. ANY DEVIATIONS MAY RESULT IN DELAYS IN OBTAINING A
- 4. THE CONTRACTOR SHALL INSTALL PRIOR TO THE START OF CONSTRUCTION AND MAINTAIN DURING CONSTRUCTION ALL SEDIMENT CONTROL MEASURES AS REQUIRED TO RETAIN ALL SEDIMENTS ON THE SITE. IMPROPER SEDIMENT CONTROL MEASURES MAY RESULT IN CODE ENFORCEMENT VIOLATION.
- 5. DEVELOPER/CONTRACTOR SHALL RESHAPE PER PLAN SPECIFICATIONS, CLEAN OUT ACCUMULATED SILT, AND STABILIZE RETENTION/DETENTION POND(S) AT THE END OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED AND
- CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS DURING CONSTRUCTION WHICH SHOW "AS-BUILT" CONDITIONS OF ALL WORK INCLUDING PIPING, DRAINAGE STRUCTURES, TOPO OF POND(S), OUTLET STRUCTURES, DIMENSIONS, ELEVATIONS, GRADING ETC. RECORD DRAWINGS SHALL BE PROVIDED TO THE ENGINEER OF RECORD PRIOR TO REQUESTING FINAL
- THE OWNER OR HIS AGENT SHALL ARRANGE/SCHEDULE WITH THE COUNTY A FINAL INSPECTION OF THE DEVELOPMENT UPON COMPLETION AND ANY INTERMEDIATE INSPECTIONS AT (850) 595-3472. AS-BUILT CERTIFICATION IS REQUIRED PRIOR TO REQUEST FOR FINAL INSPECTION/APPROVAL.
- NOTIFY SUNSHINE UTILITIES 48 HOURS IN ADVANCE PRIOR TO DIGGING WITHIN R/W; 1-800-432-4770.
- ANY DAMAGE TO EXISTING ROADS DURING CONSTRUCTION WILL BE REPAIRED BY THE DEVELOPER PRIOR TO FINAL "AS-BUILT" SIGN OFF FROM THE COUNTY.
- 10. THE CONTRACTOR SHALL NOTIFY FDOT 48 HOURS IN ADVANCE PRIOR TO INITIATING ANY WORK IN THE STATE RIGHTS-OF-WAY OR EASEMENT.
- 11. "THE SUBJECT PROPERTY AS SHOWN HEREON IS LOCATED IN FLOOD ZONE X, (MINIMAL RISK AREAS OUTSIDE THE 1-PERCENT AND .2-PERCENT-ANNUAL-CHANCE FLOODPLAINS. NO BFES OR BASE FLOOD DEPTHS ARE SHOWN WITHIN THESE ZONES), AS DETERMINED FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP OF ESCAMBIA COUNTY, FLORIDA, COMMUNITY 120080, FIRM MAP PANEL NUMBERS 12033C0385G, MAP REVISION DATED SEPTEMBER 29, 2006."

PAVING. GRADING, AND DRAINAGE NOTES

SPECIFICATIONS (LATEST EDITION).

- CONTRACTOR SHALL FIELD VERIFY THE EXISTING CONDITIONS ALONG THE ALIGNMENT OF ALL PROPOSED SIDEWALKS AND NOTIFY THE OWNER OF ALL DISCREPANCIES. CONTRACTOR SHALL ALSO HAVE VERTICAL AND HORIZONTAL CONTROL POINTS FIELD MARKED BY HIS SURVEY CREW AND SHALL HAVE THE MARKERS REVIEWED AND APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- EXISTING GRADES SHOWN ON THE DRAWINGS (IN PLACE OR IN SECTION) ARE APPROXIMATE ONLY. CONTRACTOR IS RESPONSIBLE FOR GRADING, INCLUDING PLACEMENT OR REMOVAL OF FILL MATERIAL AS APPROPRIATE, TO PROVIDE PROPER RELATIONSHIP BETWEEN WALKS/RAMPS AND ADJACENT ROADWAYS, CURBS, LOTS, UTILITIES, AND OTHER APPURTENANCES, AS INDICATED.
- 3. SAWCUT EXISTING PAVEMENT AT THE CONNECTIONS TO THE EXISTING ROADWAYS TO FORM A SMOOTH TRANSITION
- 4. HORIZONTAL GEOMETRY REFERS TO ROADWAY OR PARKING LOT EDGE OF PAVEMENT.
- ALL CURBS (EXISTING OR NEW) SHALL BE PROTECTED FROM CONSTRUCTION DAMAGE. ALL CHIPPED OR CRACKED PORTIONS OF CURB SHALL BE REPLACED AT CONTRACTOR'S EXPENSE. IN ADDITION, ANY MORTAR, CONCRETE, SOIL AND OTHER DEPOSITS OR STAINS SHALL BE CLEANED TO RETURN THE CURBS TO THEIR ORIGINAL CONDITION.
- 6. TOOL AND CLEAN ALL MANHOLE AND VALVE COVERS OF DIRT, DEBRIS AND ASPHALT. ALL MANHOLE AND VALVE COVERS SHALL BE CLEAN AND OPERABLE PRIOR TO OWNER'S ACCEPTANCE.
- 7. IN ADDITION TO THE REQUIREMENTS IN THE ENGINEER'S TECHNICAL SPECIFICATIONS, ALL ROADWAY CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH APPLICABLE STATE OR LOCAL GOVERNMENT SPECIFICATIONS.
- CONTRACTOR TO PROVIDE MAINTENANCE OF TRAFFIC (MOT) PLAN FOR REVIEW AND APPROVAL TO THE APPLICABLE STATE OR LOCAL GOVERNMENT PRIOR TO WORK IN THE RIGHT-OF-WAY. CONTRACTOR SHALL EXECUTE AND IMPLEMENT THE MOT PLAN IN ACCORDANCE WITH FDOT STANDARDS.
- 9. STABILIZED SUBGRADE TO BE F.D.O.T. TYPE "B".
- 10. ALL CONCRETE STRUCTURES, SUCH AS, BUT NOT LIMITED TO: FLUMES, WALKS, CURBS AND DRAINAGE STRUCTURES, SHALL BE TO FDOT STANDARD
- 11. NON-STRUCTURAL CONCRETE SHALL BE MINIMUM COMPRESSIVE STRENGTH 3,000 PSI AT 28 DAY COMPRESSIVE STRENGTH. ALL STRUCTURAL CONCRETE SHALL BE A MINIMUM OF 4,000 PSI AT 28 DAY COMPRESSIVE STRENGTH.
- 12. COMPLETE CONSTRUCTION WITHOUT IMPACTING THE NORMAL OPERATION OF PEDESTRIAN AND VEHICULAR TRAFFIC.
- 13. LEADING EDGE OF RAMP SHALL ALIGN WITH SIDEWALK OR RAMP ON OPPOSITE SIDE OF INTERSECTION.
- 14. WHERE A CURB CUT RAMP IS CONSTRUCTED WITHIN AN EXISTING CURB, CURB AND GUTTER AND/OR SIDEWALK. THE EXISTING CURB OR CURB AND GUTTER SHALL BE REMOVED TO THE NEAREST JOINT BEYOND THE DROP CURB OR TO THE EXTENT THAT NO REMAINING SECTION OF CURB OR CURB AND GUTTER IS LESS THAN 5' LONG. THE EXISTING SIDEWALK SHALL BE REMOVED TO THE NEAREST JOINT BEYOND THE TRANSITION SLOPE OR TO THE EXTENT THAT NO REMAINING SECTION OF SIDEWALK IS LESS THAN 5' LONG.
- 15. THE EXISTING GRADES SHOWN ON THE DRAWINGS (IN PLAN OR IN SECTION) ARE APPROXIMATE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR GRADING, INCLUDING PLACEMENT OR REMOVAL OF FILL MATERIAL AS APPROPRIATE, TO PROVIDE PROPER RELATIONSHIP BETWEEN WALKS/RAMPS AND ADJACENT ROADWAYS, CURBS, LOTS, UTILITIES, AND OTHER APPURTENANCES, AS INDICATED.
- 16. SIDEWALK/RAMP CONSTRUCTION AND EXISTING CURB REMOVAL NECESSARY TO CONSTRUCT THE HANDICAP RAMPS (IF APPLICABLE) ARE INCLUDED IN THIS CONTRACT.
- 17. CONTRACTOR SHALL COORDINATE WITH APPROPRIATE UTILITY PROVIDER FOR THE ADJUSTMENT OF ANY EXISTING OR PROPOSED UTILITY BOXES OR COVERS WITHIN SIDEWALK CONSTRUCTION LIMITS SHOWN ON THE DRAWINGS.
- 18. CONTRACTOR SHALL MAINTAIN CLEAR, SAFE WALKWAYS AND WALKING DETOURS FOR NORMAL PEDESTRIAN AND GUEST TRAFFIC AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR PEDESTRIAN AND GUEST MOT PLANS.
- 19. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS.
- 20. PROPOSED SPOT ELEVATIONS REPRESENT FINISHED PAVEMENT OR GROUND SURFACE GRADE UNLESS OTHERWISE NOTED IN DRAWINGS. IF CURBING IS REQUIRED, SPOT ELEVATIONS WILL BE SHOWN AT THE EDGE OF ALL PAVEMENT.
- 21. IT MAY BE NECESSARY TO FIELD ADJUST PAVEMENT ELEVATIONS TO PRESERVE THE ROOT SYSTEM OF TREES SHOWN TO BE SAVED. CONTRACTOR TO COORDINATE WITH ENGINEER PRIOR TO ANY ELEVATION CHANGES.
- 22. ANY FILL TO BE USED AS BACKFILL, SHALL BE CLEAN, GRANULAR MATERIAL. PRIOR TO THE USE OF ANY GRANULAR FILL, GRADATION ANALYSIS SHALL BE PREFORMED ON REPRESENTATIVE SAMPLES OF THE FILL MATERIAL TO DETERMINE WHETHER THE MATERIAL IS SUITABLE AS FILL. COMPACTED FILL SHALL BE PLACED IN LAYERS OF NOT MORE THAN 8-INCHES IN THICKNESS, AT MOISTURE CONTENTS WITHIN 3-PERCENT (OPTIMUM, AND COMPACTED TO MINIMUM DENSITY OF 95% OF THE MAXIMUM DRY DENSITY OR AS REQUIRED BY CONTOUR ENGINEERING AS DETERMINED BY THE MODIFIED PROCTOR METHOD, ASTM D-1557.
- 23. ON-SITE STORMWATER MANAGEMENT AND DRAINAGE SYSTEM WILL BE PRIVATELY OWNED AND MAINTAINED.
- 29. ALL PIPES SHALL HAVE 3-FEET MINIMUM COVER UNLESS OTHERWISE SPECIFIED IN PLANS, CONTRACTOR SHALL TAKE CARE TO PROVIDE PROPER GRADE ELEVATIONS AND ALIGNMENTS.
- 30. ALL STORM DRAINAGE INLETS AND PIPES SHALL BE PROTECTED FROM SILT, SAND AND DEBRIS DURING CONSTRUCTION. ANY ACCUMULATION WITHIN THE STORM DRAINAGE PIPE SYSTEM SHALL BE REMOVED WITHOUT PUMPING OR FLUSHING INTO THE PONDS. STORM DRAINAGE SYSTEM SHALL BE CLEANED AND FREE OF DEBRIS PRIOR TO CONSTRUCTION MANAGER'S ACCEPTANCE.
- 31. PROVIDE SOCK DRAIN OR SEDIMENT FILTER IN FRONT OF ALL DRAINAGE CURB INLETS AND PROVIDE FILTER FABRIC UNDER THE GRATE OF ALL DITCH BOTTOM INLETS AFTER INITIAL COMPLETION OF THE DRAINAGE STRUCTURES. MAINTAIN THESE MEASURES DAILY (WHICH MAY INCLUDE FULL REPLACEMENT AT THE DISCRETION OF THE CONSTRUCTION MANAGER) TO MINIMIZE SILT ACCUMULATION IN THE STORM DRAINAGE SYSTEM.
- 32. TOP ELEVATION OF ALL CURB INLETS ARE SHOWN WHERE THE EDGE OF PAVEMENT ELEVATION MEETS THE THROAT APRON OF THE CURB INLET.
- 36. ALL DRAINAGE PIPE JOINTS TO BE WRAPPED WITH FILTER FABRIC CLOTH PER FDOT PLAN 430-001
- 37. CONTRACTOR TO PROTECT MANHOLE COVERS FROM DAMAGE THROUGHOUT PROJECT CONSTRUCTION.
- 38. RETENTION/DETENTION AREAS SHALL BE SUBSTANTIALLY COMPLETE PRIOR TO ANY CONSTRUCTION ACTIVITIES THAT MAY INCREASE STORMWATER RUNOFF RATES. THE CONTRACTOR SHALL CONTROL STORMWATER DURING ALL PHASES OF CONSTRUCTION AND TAKE ADEQUATE MEASURES TO PREVENT THE EXCAVATED POND FROM BLINDING DUE TO SEDIMENTS.
- 39. ALL DISTURBED AREAS WHICH ARE NOT PAVED SHALL BE STABILIZED WITH SEEDING, FERTILIZER AND MULCH, HYDROSEED AND/OR SOD.
- 40. ALL NEW BUILDING ROOF DRAINS, DOWN SPOUTS, OR GUTTERS SHALL BE ROUTED TO CARRY ALL STORMWATER TO RETENTION/DETENTION AREAS.

EARTHWORK, GRADING, AND STABILIZATION NOTES

- 1. INFORMATION CONCERNING SITE SOIL CONDITIONS WILL BE PROVIDED BY THE GEOTECH REPORT.
- COMPACT ALL UTILITY TRENCHES WITHIN ROADWAYS TO 98% OF THE MODIFIED PROCTOR MAXIMUM DENSITY (AASHTO T 180) AND TO 95% WITHIN OTHER AREAS.
- 3. ALL EARTHWORK FOR ALL BUILDING FOUNDATIONS AND SLABS SHALL BE IN ACCORDANCE WITH ARCHITECTURAL PLANS AND SPECIFICATIONS.
- 4. ALL ON-SITE AREAS DISTURBED BY THE CONSTRUCTION SHALL BE STABILIZED IN ACCORDANCE WITH LANDSCAPE PLANS OR WITH SOD (SAME AS SURROUNDING AREA OR BETTER) OR APPROVED EQUAL.
- 5. ALL DEWATERING COSTS ASSOCIATED WITH THE PERMITTING. INSTALLATION. MAINTENANCE, AND CONSTRUCTION OF THE UNDERGROUND UTILITIES STORM WATER PIPES AND MANHOLES; SANITARY SEWER MAINS, FORCE MAINS, MANHOLES, AND LIFT STATIONS; AND STORM WATER MANAGEMENT SYSTEMS SHALL BE INCLUDED AS PART OF THE CONSTRUCTION BID COSTS. THE CONTRACTOR SHALL SUBMIT FOR WATER USE PERMITS IF REQUIRED FOR DEWATERING ACTIVITIES.
- PLANS AND SPECIFICATIONS REQUIRE THAT COMPACTED BACKFILL BE PLACED ALONG SIDE OF AND OVER ALL UTILITIES. ENGINEER MAY REQUIRE THAT COMPACTION TESTS BE TAKEN TO VERIFY BACKFILL COMPACTION. COST OF SUCH COMPACTION TESTS WILL BE BORNE BY THE CONTRACTOR.
- UNLESS SHOWN OTHERWISE ON THE PLANS, CONTRACTOR SHALL APPLY 4" OF TOP SOIL TO ALL DISTURBED AREAS OF THE SITE. PLANT GLASS SEED OR SOD, APPLY STRAW, AND WATER. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH A HEALTHY STAND OF GRASS ON ALL SEEDED OR SODDED AREAS. IF A HEALTHY STAND OF GRASS CAN NOT BE ESTABLISHED BY THE TIME THE BUILDING BECOMES OCCUPIED, THEN SOD SHALL BE INSTALLED AND WATERED UNTIL GRASS IS ESTABLISHED.
- 8. THE CONTRACTOR MUST INSTALL AND MAINTAIN GRASS OR SOD ON EXPOSED SLOPES WITHIN 48 HOURS OF COMPLETED FINAL GRADES, AS NOTED ON PLANS, AND AT ANY OTHER TIME AS NECESSARY TO PREVENT EROSION, SEDIMENTATION OR TURBID DISCHARGES TO ANY DOWNSTREAM WATER BODY, WETLAND, OR OFF-SITE PROPERTY. SODDING ON SLOPES 3:1 AND STEEPER SHALL BE STAKED.
- CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO CONTROL TURBIDITY AND SEDIMENT INCLUDING, BUT NOT LIMITED TO, THE INSTALLATION OF TURBIDITY BARRIERS AND SILT FENCES AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS DUE TO THE PROPOSED WORK. TURBIDITY AND SEDIMENT BARRIERS MUST BE INSTALLED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND MAINTAINED AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR REMOVING THE BARRIERS.

LEGEND:

- RIGHT OF WAY DESCRIPTION MEASUREMENT (PARCEL #1) DESCRIPTION MEASUREMENT (PARCEL #2) DESCRIPTION MEASUREMENT (LESS & EXCEPT D2b FROM PARCEL #2) DESCRIPTION MEASUREMENT (PARCEL #2 "BEING MORE PARTICULARLY DESCRIBED AS" PARCEL) DESCRIPTION MEASUREMENT (PARCEL #3) DESCRIPTION MEASUREMENT (PARCEL #4) DESCRIPTION MEASUREMENT (PARCEL #5) DESCRIPTION MEASUREMENT (PARCEL #7) DESCRIPTION MEASUREMENT (NON-EXCLUSIVE EASEMENT BENEFITING PARCEL #7) DESCRIPTION MEASUREMENT (PARCEL #8)
- DESCRIPTION MEASUREMENT (LESS & EXCEPT DESCRIPTION MEASUREMENT (FIRST "AND ALSO"

DESCRIPTION MEASUREMENT (DRAINAGE EASEMENT BENEFITING FIRST "AND ALSO" PARCEL)

> DESCRIPTION MEASUREMENT ("AND ALSO" PARCEL) PLAT MEASUREMENT FIELD MEASUREMENT LICENSED SURVEYOR

> > LICENSED BUSINESS

FINISHED FLOOR ELEVATION ELEVATION 1/2" CAPPED METAL ROD LS #5791 (SET)

NAIL & DISC LS #5791 (SET) 1" METAL PIPE, NO IDENTIFICATION (FOUND) 1/2" METAL ROD, NO IDENTIFICATION (FOUND) 5/8" METAL ROD, NO IDENTIFICATION (FOUND) NAIL & DISC, NO IDENTIFICATION (FOUND)

60d NAIL, NO IDENTIFICATION (FOUND) 1/2" CAPPED METAL ROD LS #4284 (FOUND) 1/2" CAPPED METAL ROD LS #4082 (FOUND) 1/2" CAPPED METAL ROD LS #4747 (FOUND) 1/2" CAPPED METAL ROD LB #7107 (FOUND)

> 1/2" CAPPED METAL ROD # ILLEGIBLE (FOUND) 4" x 4" CONCRETE MONUMENT LS #1872 (FOUND) 4" x 4" CONCRETE MONUMENT LS #1748 (FOUND)

- 4" x 4" CONCRETE MONUMENT, NO IDENTIFICATION (FOUND)

14-1S-29-1102-000-005 PROP. REF. NO. 14-1S-29-1102-002-006 14-1S-29-1150-090-002 14-1S-29-1150-100-002

±3.33 ACRES 3001 LANGLEY AVENUE PENSACOLA, FLORIDA 32504

CURRENT USE COMMERCIAL HDMU FUTURE LAND USE MU-U

PROPOSED BUILDING USE MULTI-FAMILY RESIDENTIAL PROPOSED BUILDING NET FLOOR AREA ±34,500 SF

BUILDING SETBACKS JNITS INCORRECTLY FRONT REAR SHOWN AS 76 IN SIDE DRIGINAL SUBMISSION. 20' SIDE (RESIDENTIAL) UPDATED TO 80. NO CHANGES TO PARKING LANDSCAPING BUFFER OR BUILDING LAYOUT. FRONTAGE SIDE

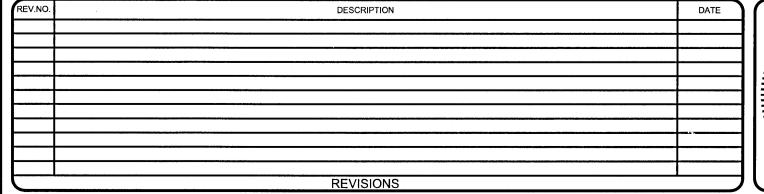
PARKING REQUIRED ONE (1.5) PARKING SPACE PER DWELLING UNIT 80 UNITS * 1.5 = 120 STALLS *10% ALLOWABLE and result as

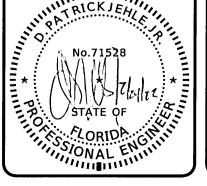
CONTRIBUTING AREA 162,611 SF (±3.01 AC) (100%) PERVIOUS 45,049 SF (±0.67 AC) (22.26%) 117,562 SF (±2.34 AC) (77.74%) **IMPERVIOUS**

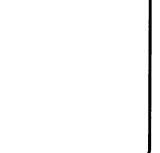
125 STANDARD STALLS & 7 ADA STALLS

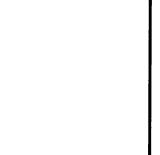
FLOOD ZONE THE PARCELS SHOWN IS LOCATED WITHIN THE FOLLOWING FLOOD ZONE(S) AS DETAILED BY FEMA FORM (FLOOD INSURANCE RATE MAP) INFORMATION DESCRIBED BELOW:

FLOOD ZONE NFIP Map Panel MAP SUFFIX* MAP COMMUNITY NUMBER* REVISION NUMBER(S) NUMBER* DATE* 120274 SEPTEMBER 12113C 0385 19, 2006











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GENERAL GENERAL NOTES, LEGENDS & ABBREVIATIONS

AERO SPACES HOUSING MULTI-FAMILY

DESIGNED CHECKED PROJ. MGR.

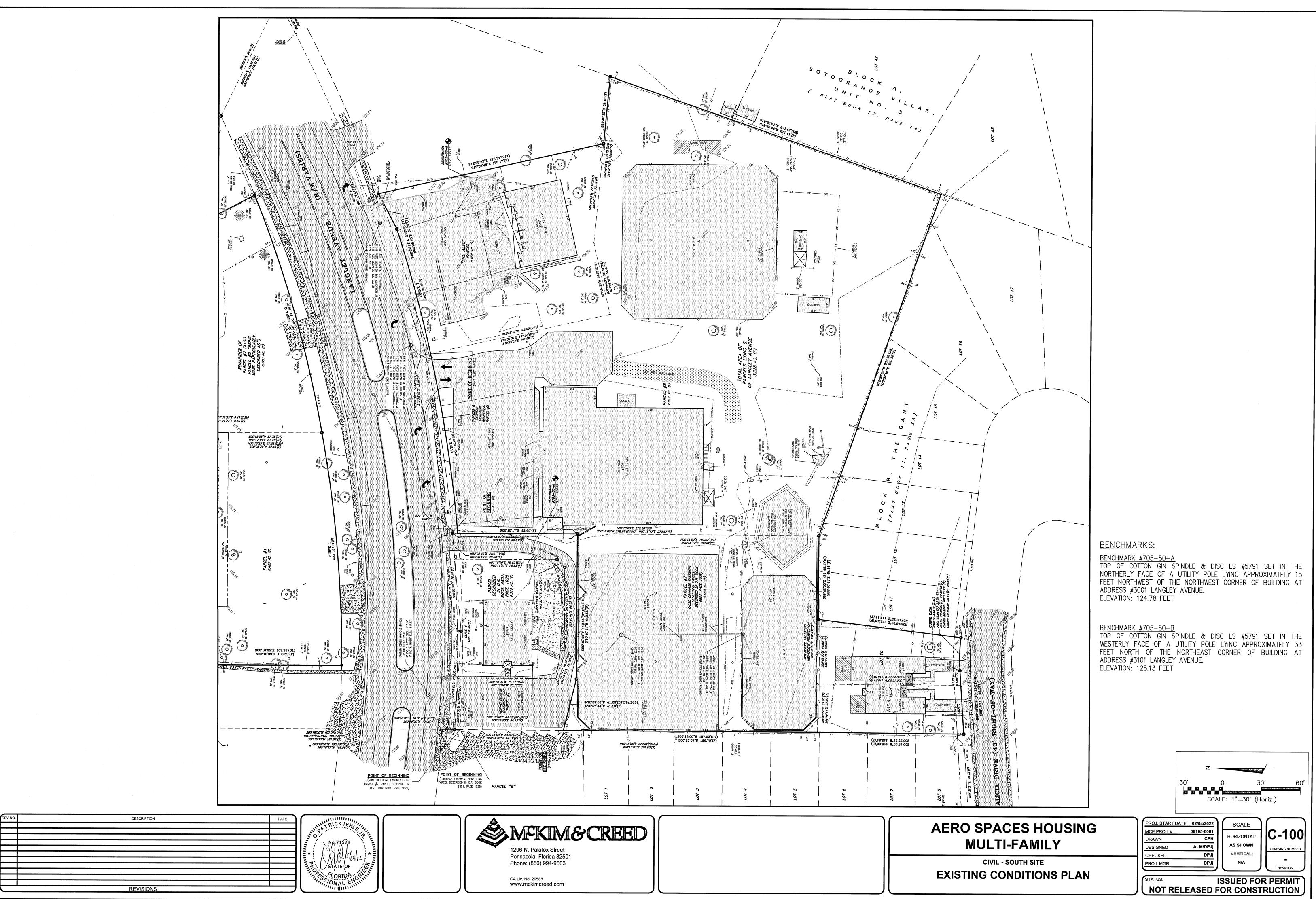
PROPOSED:

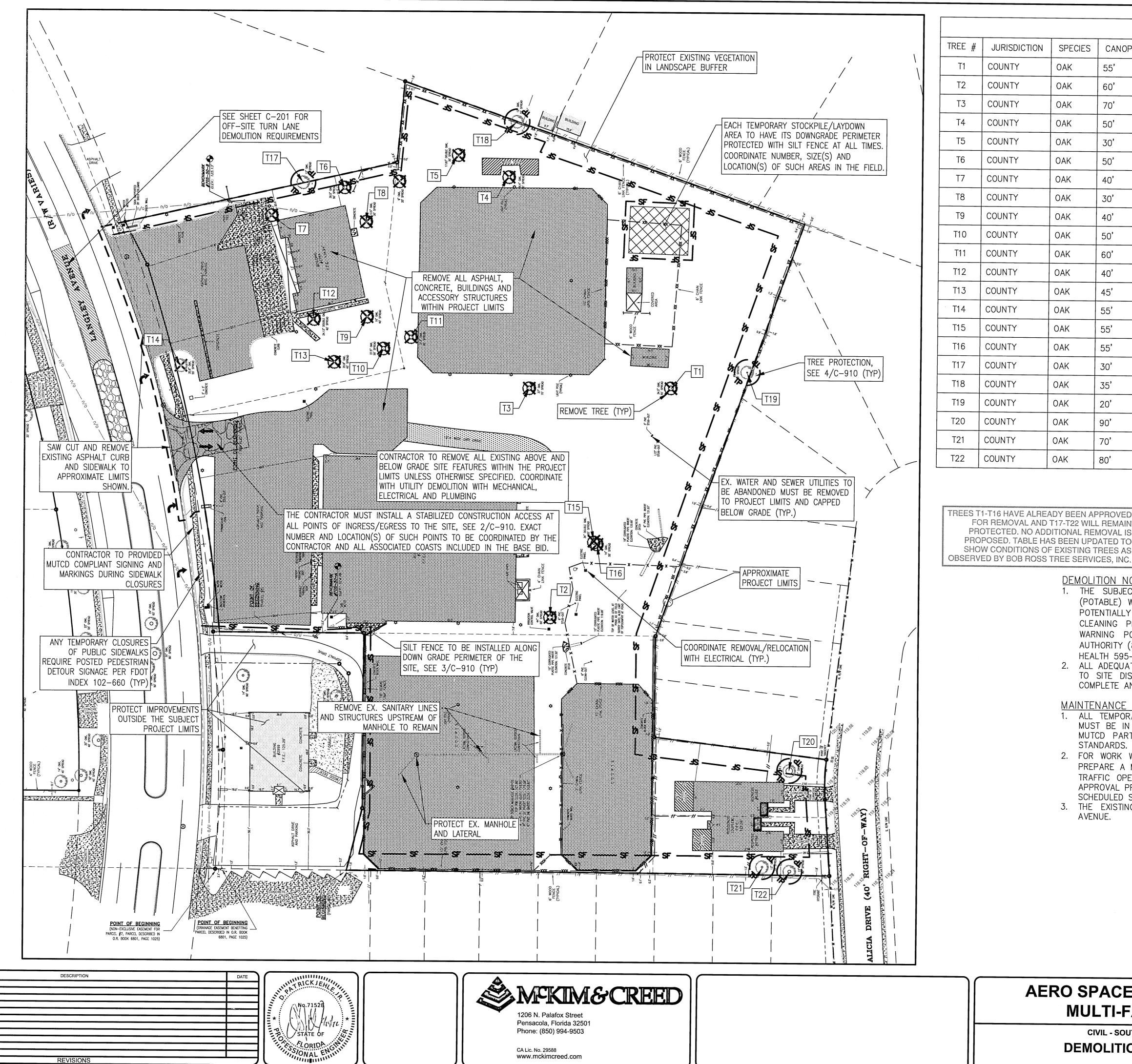
PROJ. START DATE: 02/04/202 SCALE 08195-000 HORIZONTAL ALM/DPJj VERTICAL: DPJj DPJj

MCE PROJ. #

DRAWN

ISSUED FOR PERMIT NOT RELEASED FOR CONSTRUCTION





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REVISIONS

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				INCI	T SCHEDU	
TREE #	JURISDICTION	SPECIES	CANOPY	DIAMETER	STATUS	HEALTH/COMMENTS
T1	COUNTY	OAK	55'	34.5"	REMOVE	GOOD
T2	COUNTY	OAK	60'	44"	REMOVE	GOOD - HAS TIRE RIM IN THE TREE
Т3	COUNTY	OAK	70'	37"	REMOVE	POOR - DEAD TRUNK DECLINING TOP
T4	COUNTY	OAK	50'	26.4"	REMOVE	GOOD - DECLINING TOP
T5	COUNTY	OAK	30'	17.83"	REMOVE	GOOD
T6	COUNTY	OAK	50'	36.5"	REMOVE	POOR - HOLLOW TRUNK
T7	COUNTY	OAK	40'	19.6"	REMOVE	POOR
T8	COUNTY	OAK	30'	13.5"	REMOVE	GOOD
T9	COUNTY	OAK	40'	16"	REMOVE	GOOD
T10	COUNTY	OAK	50'	27.5"	REMOVE	GOOD
T11	COUNTY	OAK	60'	31.7"	REMOVE	POOR - WOUNDS ON LARGE LIMBS
T12	COUNTY	OAK	40'	24.13"	REMOVE	GOOD
T13	COUNTY	OAK	45'	20.8"	REMOVE	GOOD
T14	COUNTY	OAK	55'	20.8"	REMOVE	POOR
T15	COUNTY	OAK	55'	34"	REMOVE	STUMP - LOST TO HURRICANE SALLY
T16	COUNTY	OAK	55'	14"	REMOVE	STUMP - LOST TO HURRICANE SALLY
T17	COUNTY	OAK	30'	12"	PROTECT	POOR - VINES ARE KILLING
T18	COUNTY	OAK	35'	12"	PROTECT	POOR - ON PROPERTY LINE GROWING THROUGH FENC
T19	COUNTY	OAK	20'	8"	PROTECT	GOOD
T20	COUNTY	OAK	90'	50"	PROTECT	GOOD
T21	COUNTY	OAK	70'	13"	PROTECT	GOOD
T22	COUNTY	OAK	80'	23"	PROTECT	GOOD

TREES T1-T16 HAVE ALREADY BEEN APPROVED FOR REMOVAL AND T17-T22 WILL REMAIN PROTECTED. NO ADDITIONAL REMOVAL PROPOSED. TABLE HAS BEEN UPDATED TO SHOW CONDITIONS OF EXISTING TREES AS

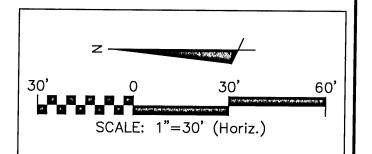
*SEE C-500 FOR TREE REMOVAL AND MITIGATION REQS

DEMOLITION NOTES

- 1. THE SUBJECT PARCEL FALLS WITHIN THE TRAVEL TIME CONTOUR OF A PROTECTED (POTABLE) WELLHEAD. CONTRACTORS SHALL BE RESPONSIBLE FOR REPORTING SPILLS OF POTENTIALLY HAZARDOUS SUBSTANCES (I.E. GASOLINE, DIESEL FUEL, HYDRAULIC FLUID, CLEANING PRODUCTS, CHEMICALS, ETC.) TO THE APPROPRIATE STATE (FDEP STATE WARNING POINT 1-800-320-0519) AND LOCAL (ECUA- EMERALD COAST UTILITIES AUTHORITY (850) 476-5110 AND ESCAMBIA COUNTY HEALTH DEPARTMENT/ENVIRONMENTAL HEALTH 595-6712) AGENCIES.
- 2. ALL ADEQUATE TRÉE PROTECTION MEASURES AND BARRICADES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE AND MAINTAINED IN GOOD WORKING ORDER UNTIL PROJECT IS COMPLETE AND SITE BECOMES STABILIZED.

MAINTENANCE OF TRAFFIC NOTES

- 1. ALL TEMPORARY TRAFFIC CONTROL MEASURES BOTH VEHIULCAR AND PEDESTRIAN -MUST BE IN ACCORDANCE WITH THE FDOT SERIES 102-602 STANDARDS PLAN INDEXES, MUTCD PART 6 REGARDING TEMPORARY TRAFFIC CONTROL , AND ESCAMBIA COUNTY STANDARDS.
- 2. FOR WORK WITHIN THE COUNTY'S LANGLEY AVENUE RIGHT-OF-WAY, CONTRACTOR MUST PREPARE A MAINTENANCE OF TRAFFIC SKETCH/PLAN AND PROVIDE TO ESCAMBIA COUNTY TRAFFIC OPERATIONS (JASON WALTERS, 850.595.3422, JJWALTER@MYESCAMBIA.COM) FOR APPROVAL PRIOR TO IMPLEMENTATION OF THE PROPOSED MEASURES. PLAN MUST INDICATE SCHEDULED START AND FINISH DATE FOR WORK.
- 3. THE EXISTING REGULATORY POSTED SPEED SHALL REMAIN 30 MPH ALONG LANGLEY

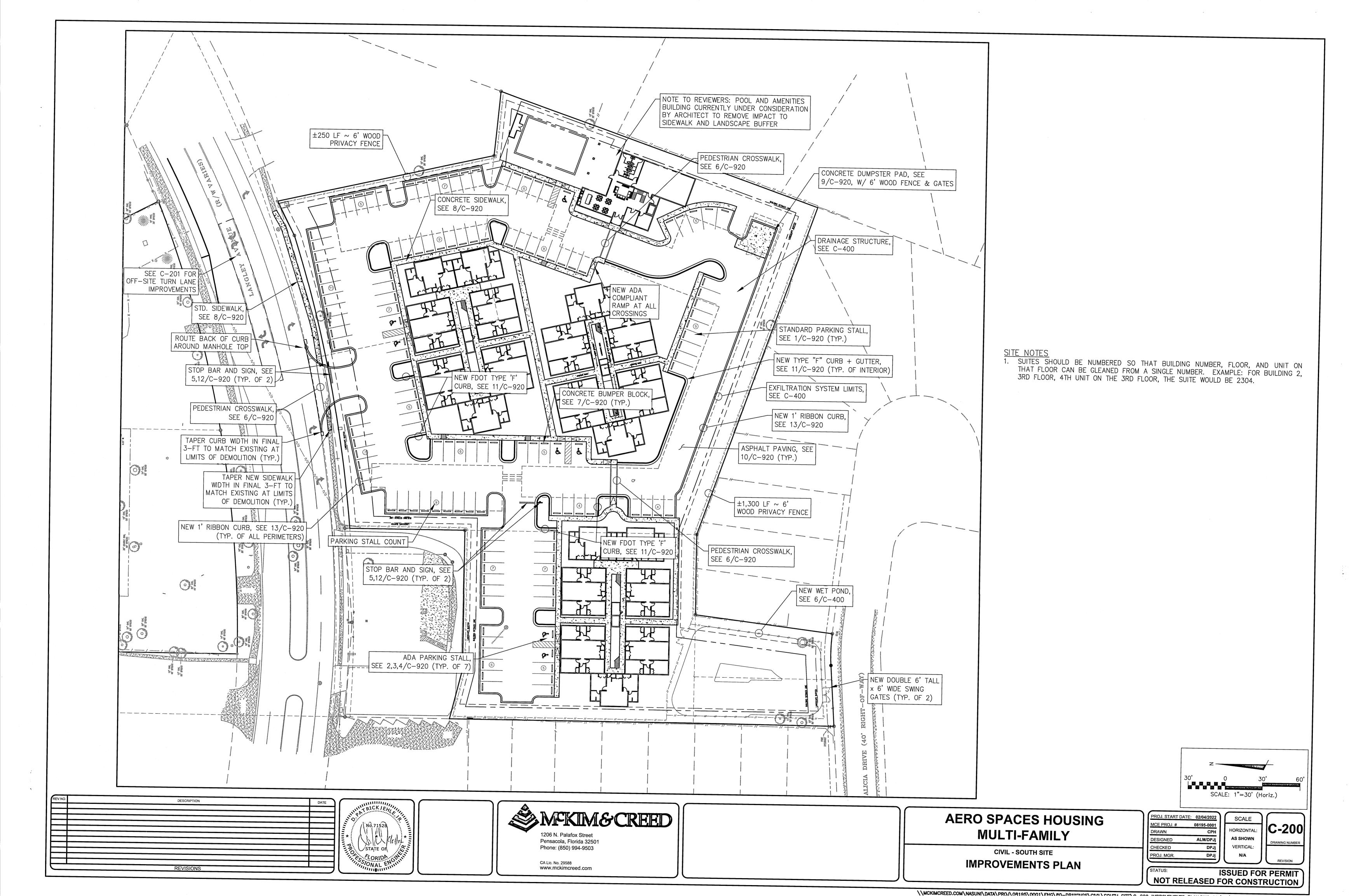


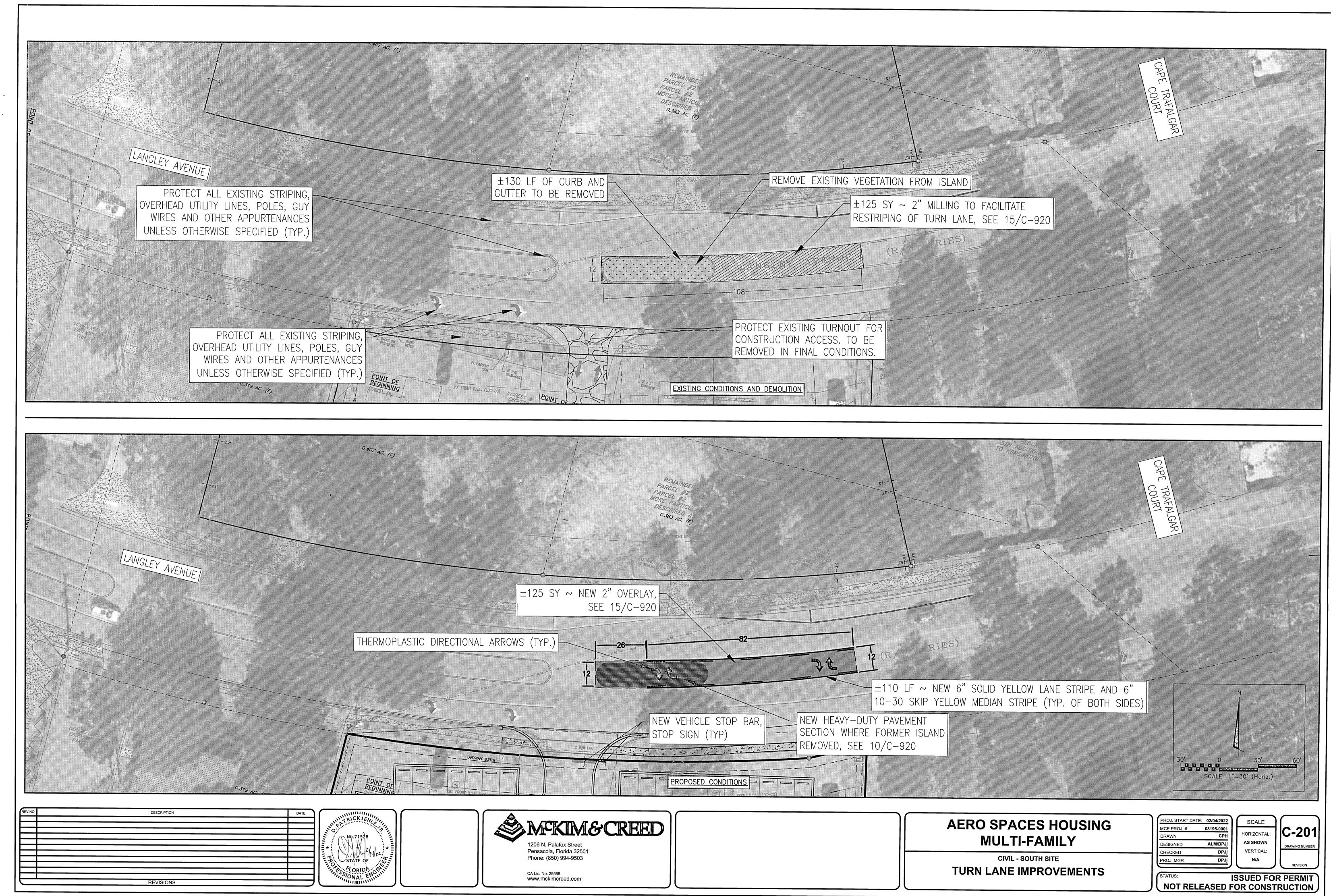
AERO SPACES HOUSING MULTI-FAMILY

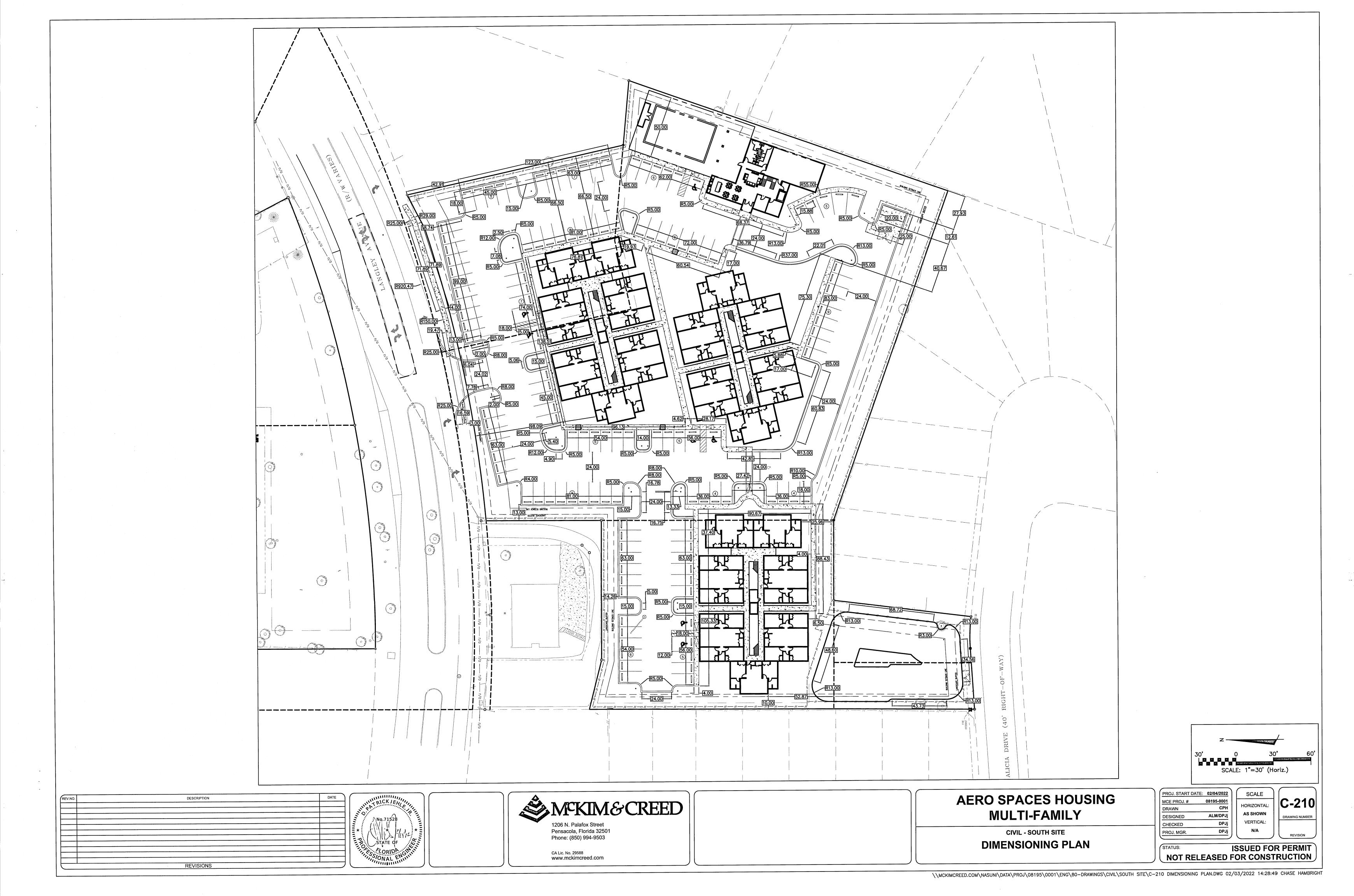
CIVIL - SOUTH SITE **DEMOLITION PLAN**

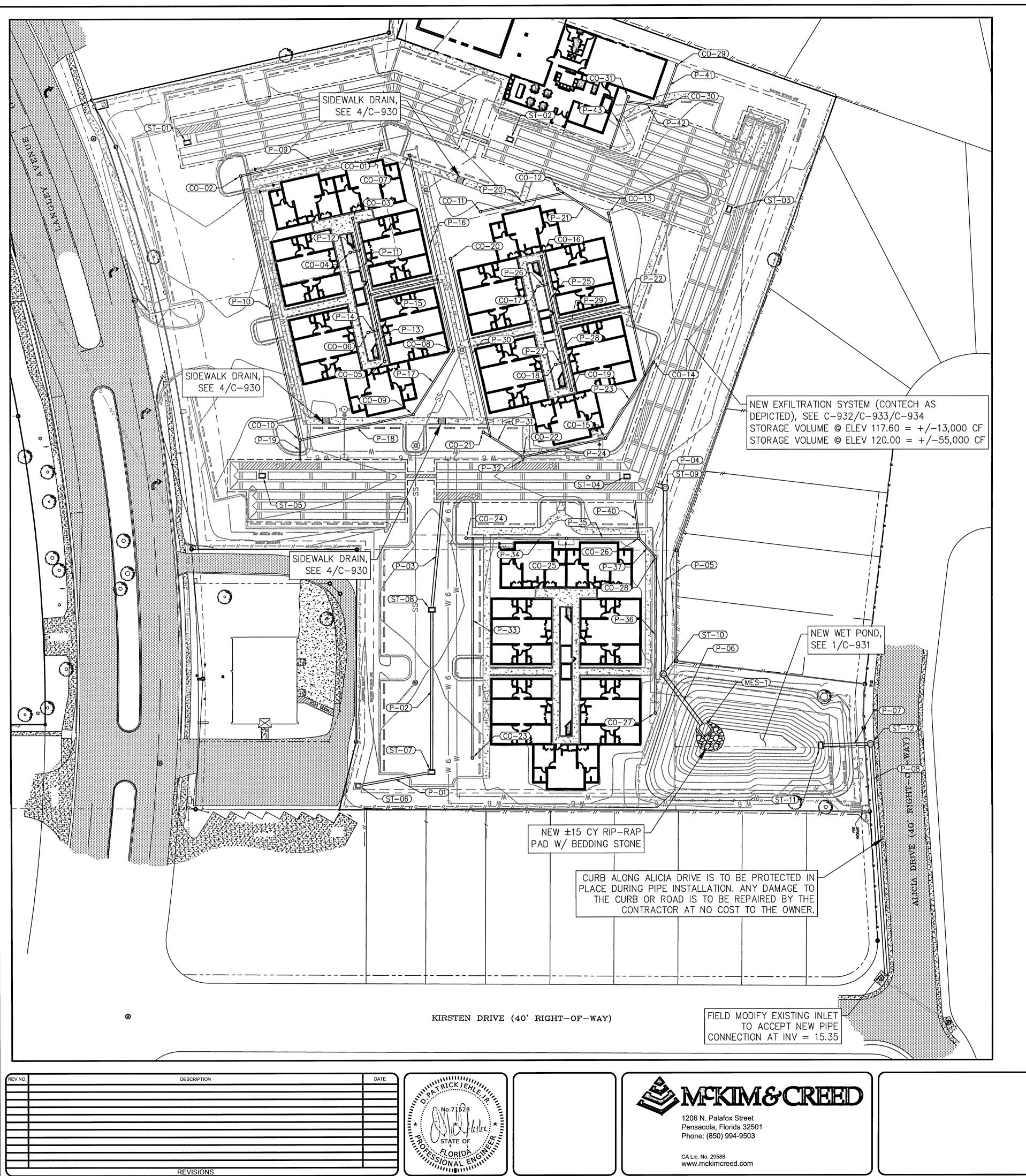
PROJ. START DATE: 02/04/2022	SCALE
MCE PROJ. # 08195-0001	
DRAWN CPH	HORIZONTAL:
DESIGNED ALM/DPJj	AS SHOWN
CHECKED DPJj	VERTICAL:
PROJ. MGR. DPJj	N/A

ISSUED FOR PERMIT NOT RELEASED FOR CONSTRUCTION







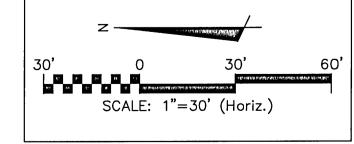


REVISIONS

NAME	STRUCTURE DESCRIPTION	NORTHING EASTING	RIM/GRATE ELEVATION	PIPE INVERT
CO-01	CLEANOUT	N:550748.83 E:1122995.25	124.60	INV IN (P-09, N) = 120.70
CO-02	CLEANOUT	N:550831.19 E:1122976.83	123.83	INV OUT (P-09, S) = 121.15 INV OUT (P-10, W) = 120.70
CO-03	CLEANOUT	N:550765.77 E:1122951.98	125.30	INV OUT (P-11, W) = 121.70
CO-04	CLEANOUT	N:550767.21 E:1122931.89	125.30	INV OUT (P-12, S) = 121.15
CO-05	CLEANOUT	N:550747.02 E:1122868.18	125.30	INV OUT (P-13, E) = 121.65
CO-06	CLEANOUT	N:550756.76 E:1122885.17	125.30	INV OUT (P-14, S) = 121.15
CO-07	CLEANOUT	N:550732.35 E:1122988.83	124.52	INV OUT (P-16, W) = 121.65
CO-08	CLEANOUT	N:550706.75 E:1122874.43	124.68	INV IN (P-16, E) = 121.05 INV OUT (P-17, NW) = 121.05
CO-09	CLEANOUT	N:550730.37 E:1122837.18	124.92	INV IN (P-17, SE) = 120.80 INV OUT (P-18, N) = 120.80
CO-10	CLEANOUT	N:550796.62 E:1122822.36	124.07	INV IN (P-18, S) = 120.45 INV IN (P-10, E) = 119.90 INV OUT (P-19, W) = 119.90
CO-11	CLEANOUT	N:550691.00 E:1122955.64	124.88	INV OUT (P-20, S) = 122.00
CO-12	CLEANOUT	N:550646.01 E:1122968.73	125.07	INV OUT (P-21, SW) = 121.75
CO-13	CLEANOUT	N:550616.25 E:1122954.57	125.05	INV OUT (P-22, W) = 121.55
CO-14	CLEANOUT	N:550589.95 E:1122867.39	124.34	INV OUT (P-23, NW) = 121.05
CO-15	CLEANOUT	N:550618.09 E:1122823.03	124.00	INV IN (P-23, SE) = 120.80 INV OUT (P-24, N) = 120.80
CO-16	CLEANOUT	N:550655.53 E:1122929.29	125.30	INV OUT (P-25, W) = 121.65
CO-17	CLEANOUT	N:550657.52 E:1122911.85	125.30	INV OUT (P-26, S) = 122.15
CO-18	CLEANOUT	N:550647.30 E:1122866.15	124.95	INV OUT (P-27, S) = 122.15
CO-19	CLEANOUT	N:550638.06 E:1122851.22	124.58	INV OUT (P-28, E) = 121.65
CO-20	CLEANOUT	N:550708.45 E:1122928.14	125.15	INV OUT (P-30, W) = 122.30
CO-21	CLEANOUT	N:550689.34 E:1122826.78	124.11	INV OUT (P-31, SW) = 121.75
CO-22	CLEANOUT	N:550666.39 E:1122812.22	124.06	INV IN (P-24, S) = 120.50 INV IN (P-31, NE) = 121.60 INV OUT (P-32, W) = 119.10
CO-23	CLEANOUT	N:550696.00 E:1122636.18	122.63	INV OUT (P-33, E) = 119.75
CO-24	15" INLINE DRAIN	N:550699.47 E:1122764.93	124.20	INV OUT (P-34, S) = 119.10
CO-25	15" INLINE DRAIN	N:550640.96 E:1122764.70	123.18	INV IN (P-34, N) = 118.80 INV OUT (P-35, S) = 118.80
CO-26	15" INLINE DRAIN	N:550598.48 E:1122764.54	123.11	INV IN (P-35, N) = 118.60 INV IN (P-37, SW) = 120.05 INV OUT (P-40, E) = 118.60
CO-27	CLEANOUT	N:550589.00 E:1122662.24	122.46	INV OUT (P-36, E) = 120.60
CO-28	CLEANOUT	N:550588.65 E:1122753.62	123.18	INV IN (P-36, W) = 120.15 INV OUT (P-37, NE) = 120.15
CO-29	CLEANOUT	N:550576.18 E:1123040.98	124.40	INV OUT (P-41, W) = 120.80
CO-30	CLEANOUT	N:550582.36 E:1123016.87	123.41	INV OUT (P-42, N) = 120.55
CO-31	CLEANOUT	N:550604.60 E:1123022.53	124.10	INV OUT (P-43, W) = 120.30
MES-1	MES	N:550560.61 E:1122653.81	117.36	INV IN (P-06, NE) = 115.20
ST-01	FDOT TYPE C INLET	N:550862.24 E:1122996.49	122.00	DIRECT CONNECTION TO EXFILTRATION SYSTEM
ST-02	FDOT TYPE C INLET	N:550673.84 E:1122997.93	123.82	DIRECT CONNECTION TO EXFILTRATION SYSTEM
ST-03	FDOT TYPE C INLET	N:550545.68 E:1122956.66	123.00	DIRECT CONNECTION TO EXFILTRATION SYSTEM
ST-04	FDOT TYPE C INLET	N:550605.46 E:1122800.74	122.00	DIRECT CONNECTION TO EXFILTRATION SYSTEM
ST-05	FDOT TYPE C INLET	N:550818.65 E:1122801.69	122.50	DIRECT CONNECTION TO EXFILTRATION SYSTEM
ST-06	2x2 YARD INLET	N:550762.90 E:1122620.04	122.25	INV OUT (P-01, S) = 120.25
ST-07	FDOT TYPE C INLET	N:550719.80 E:1122627.98	121.88	INV IN (P-01, N) = 119.10 INV OUT (P-02, E) = 118.65
ST-08	FDOT TYPE C INLET	N:550719.43 E:1122722.98	122.25	INV IN (P-02, W) = 118.15 INV OUT (P-03, E) = 118.15
ST-09	STORM WATER MANHOLE	N:550583.13 E:1122794.11	122.55	INV IN (P-04, N) = 115.70 INV OUT (P-05, W) = 115.70
ST-10	STORM WATER MANHOLE	N:550584.33 E:1122685.00	122.83	INV IN (P-05, E) = 115.35 INV OUT (P-06, SW) = 115.35
ST-11	TYPE "E" CONTROL STRUCTURE	N:550492.40 E:1122643.19	119.50	INV OUT (P-07, S) = 116.50
ST-12	STORM PUMP MANHOLE	N:550463.29 E:1122644.01	117.84	INV IN (P-07, N) = 116.20 INV OUT (P-08, W) = 116.20

NAME	SIZE	LENGTH	MATERIAL	INVERT
P-01	12"	44'	N12 HDPE	US INV = 120.25 DS INV = 119.10
P-02	15"	95'	N12 HDPE	US INV = 118.65 DS INV = 118.15
P-03	15"	63'	N12 HDPE	US INV = 118.15 DS INV = 117.75
P-04	24"	6'	N12 HDPE	US INV = 115.75 DS INV = 115.70
P-05	24"	109'	N12 HDPE	US INV = 115.70 DS INV = 115.35
P-06	24"	39'	N12 HDPE	US INV = 115.35 DS INV = 115.20
P-07	18"	29'	N12 HDPE	US INV = 116.50 DS INV = 116.20
P-08	18"	136'	N12 HDPE	US INV = 116.20 DS INV = 115.35
P-09	10"	84'	N12 HDPE	US INV = 121.15 DS INV = 120.70
P-10	10"	158'	N12 HDPE	US INV = 120.70 DS INV = 119.90
P-11	10"	46'	N12 HDPE	US INV = 121.70 DS INV = 121.45
P-12	10"	6'	N12 HDPE	US INV = 121.15 DS INV = 121.05
P-13	10"	40'	N12 HDPE	US INV = 121.65 DS INV = 121.45
P-14	10"	6'	N12 HDPE	US INV = 121.15 DS INV = 121.05
P-15	10"	41'	N12 HDPE	US INV = 121.45 DS INV = 121.25
P-16	10"	117'	N12 HDPE	US INV = 121.65 DS INV = 121.05
P-17	10"	44'	N12 HDPE	US INV = 121.05 DS INV = 120.80
P-18	10"	68'	N12 HDPE	US INV = 120.80 DS INV = 120.45
P-19	10"	12'	N12 HDPE	US INV = 119.90 DS INV = 119.25
P-20	10"	50'	N12 HDPE	US INV = 122.00 DS INV = 121.75
P-21	10"	37'	N12 HDPE	US INV = 121.75 DS INV = 121.55
P-22	10"	97'	N12 HDPE	US INV = 121.55 DS INV = 121.05
P-23	10"	53'	N12 HDPE	US INV = 121.05 DS INV = 120.80
P-24	10"	49'	N12 HDPE	US INV = 120.80 DS INV = 120.50
P-25	10"	40'	N12 HDPE	US INV = 121.65 DS INV = 121.45
P-26	10"	6'	N12 HDPE	US INV = 122.15 DS INV = 122.05
P-27	10"	6'	N12 HDPE	US INV = 122.15 DS INV = 122.05
P-28	10"	40'	N12 HDPE	US INV = 121.65 DS INV = 121.45
P-29	10"	44'	N12 HDPE	US INV = 121.45 DS INV = 121.25
P-30	10"	107'	N12 HDPE	US INV = 122.30 DS INV = 121.75
P-31	10"	27'	N12 HDPE	US INV = 121.75 DS INV = 121.60
P-32	10"	4'	N12 HDPE	US INV = 119.10 DS INV = 119.00
P-33	10"	129'	N12 HDPE	US INV = 119.75 DS INV = 119.10
P-34	10"	59'	N12 HDPE	US INV = 119.10 DS INV = 118.80
P-35	10"	42'	N12 HDPE	US INV = 118.80 DS INV = 118.60
P-36	10"	91'	N12 HDPE	US INV = 120.60 DS INV = 120.15
P-37	10"	15'	N12 HDPE	US INV = 120.15 DS INV = 120.05
P-40	10"	23'	N12 HDPE	US INV = 118.60 DS INV = 118.40
P-41	10"	25'	N12 HDPE	US INV = 120.80 DS INV = 120.55
P-42	10"	23'	N12 HDPE	US INV = 120.55 DS INV = 120.30
P-43	10"	32'	N12 HDPE	US INV = 120.30 DS INV = 119.00

DRAINAGE PIPE TABLE



NOT RELEASED FOR CONSTRUCTION

1206 N. Palafox Street Pensacola, Florida 32501 Phone: (850) 994-9503

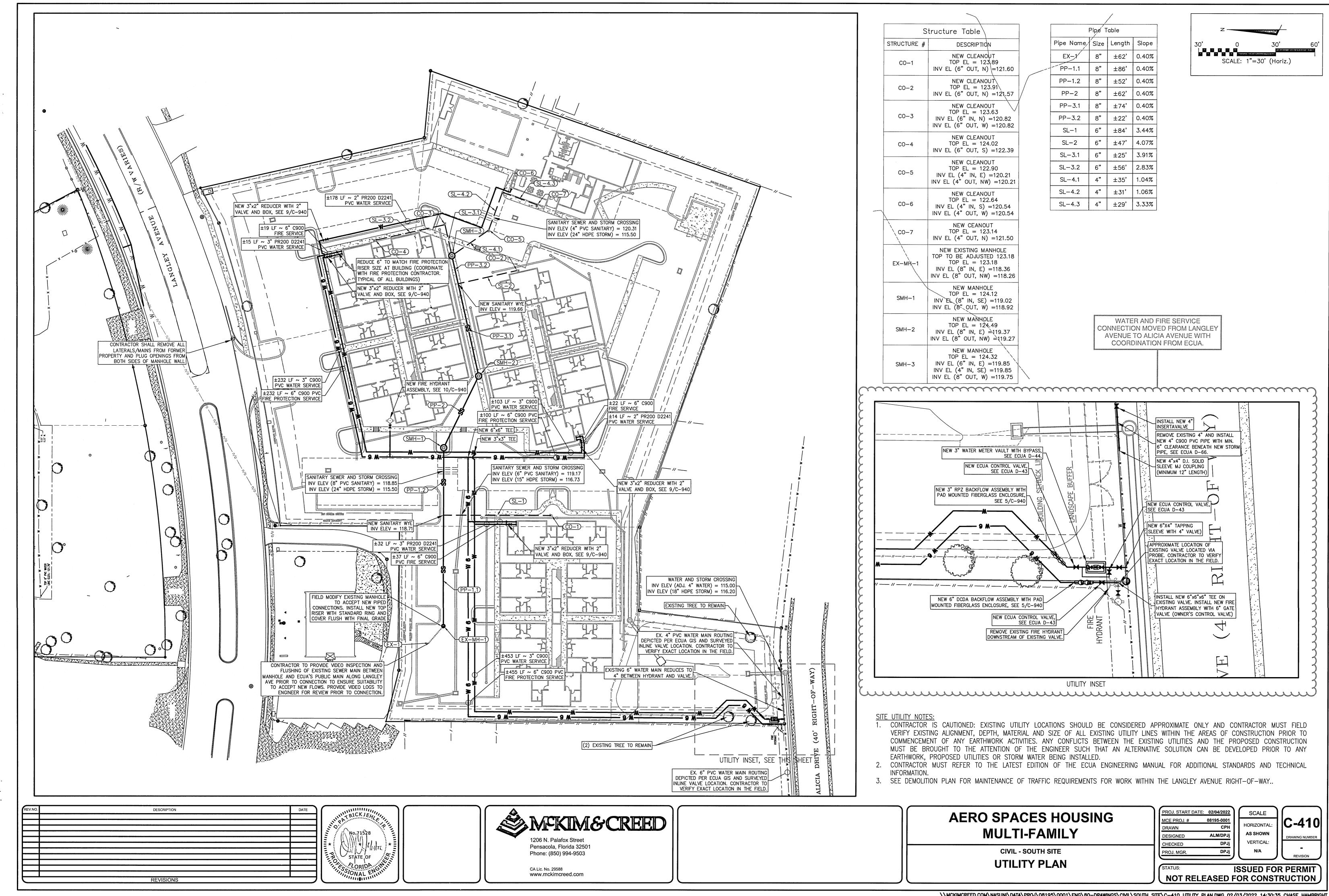
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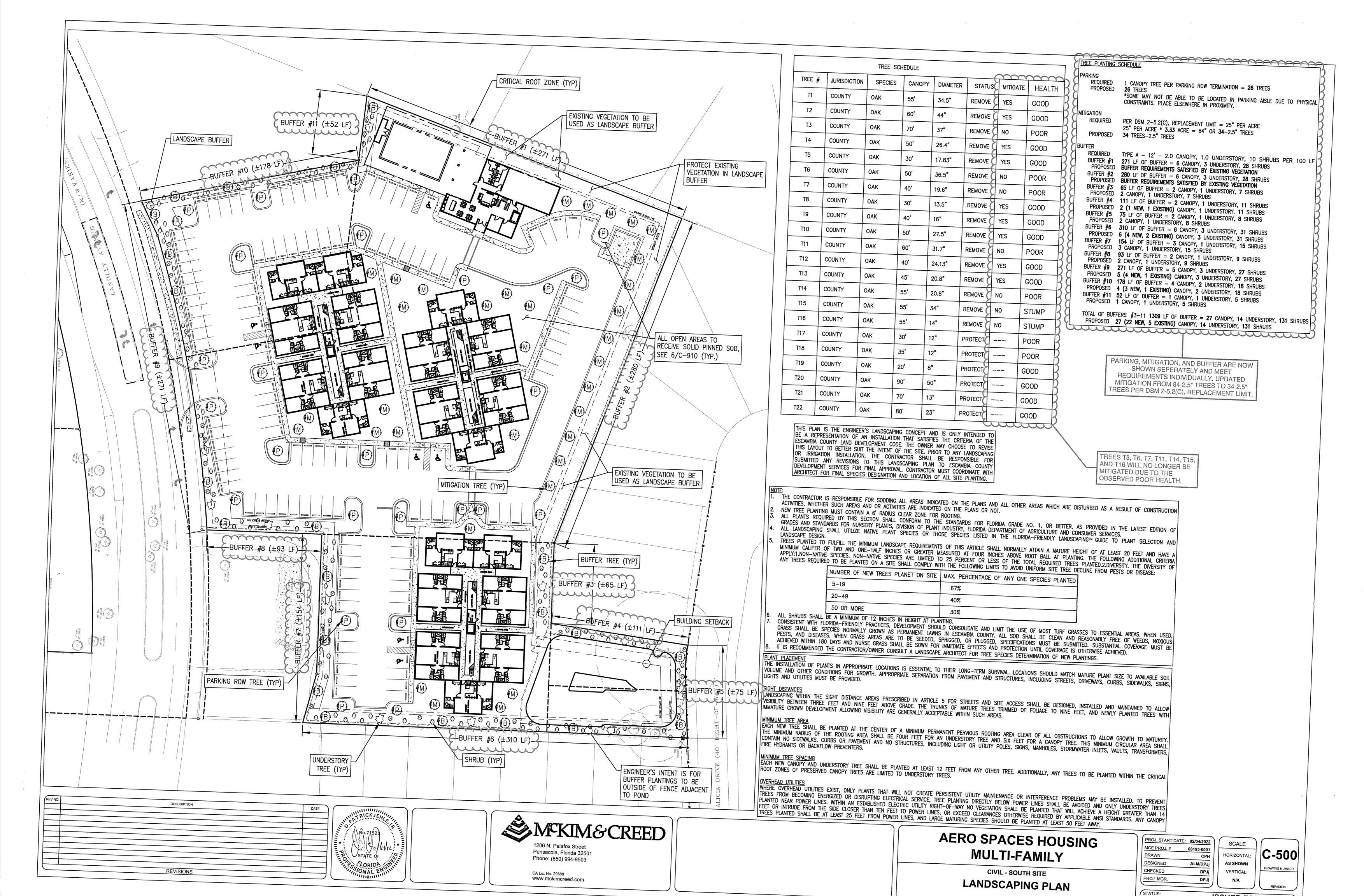
AERO SPACES HOUSING MULTI-FAMILY

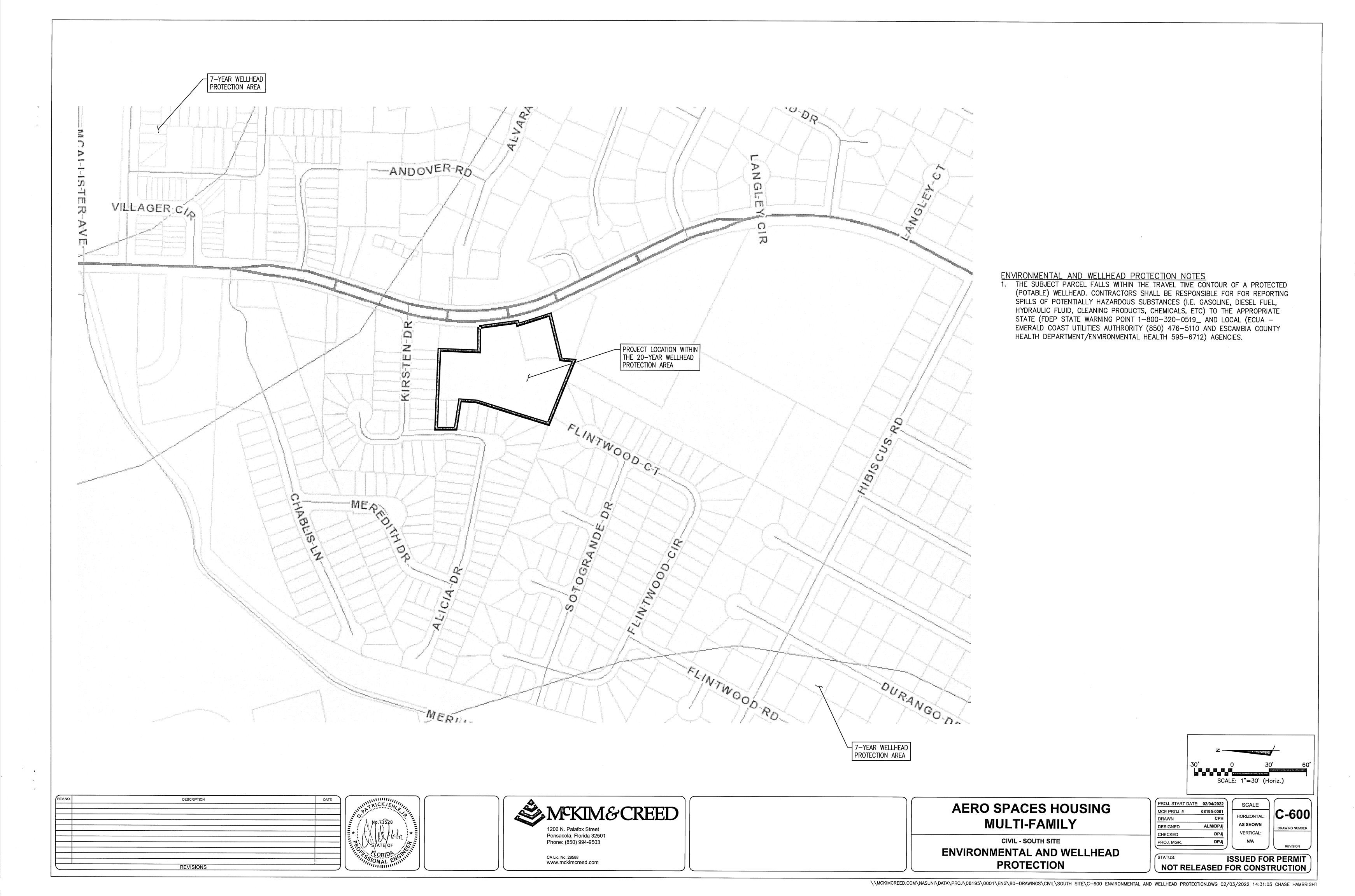
> **CIVIL - SOUTH SITE** STORM WATER PLAN

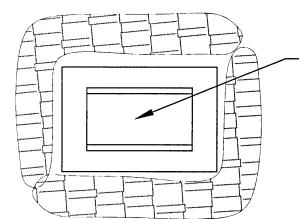
PROJ. START DATE:	02/04/2022
MCE PROJ. #	08195-0001
DRAWN	СРН
DESIGNED	ALM/DPJj
CHECKED	DPJj
PROJ. MGR.	DPJj

AS SHOWN VERTICAL: ISSUED FOR PERMIT





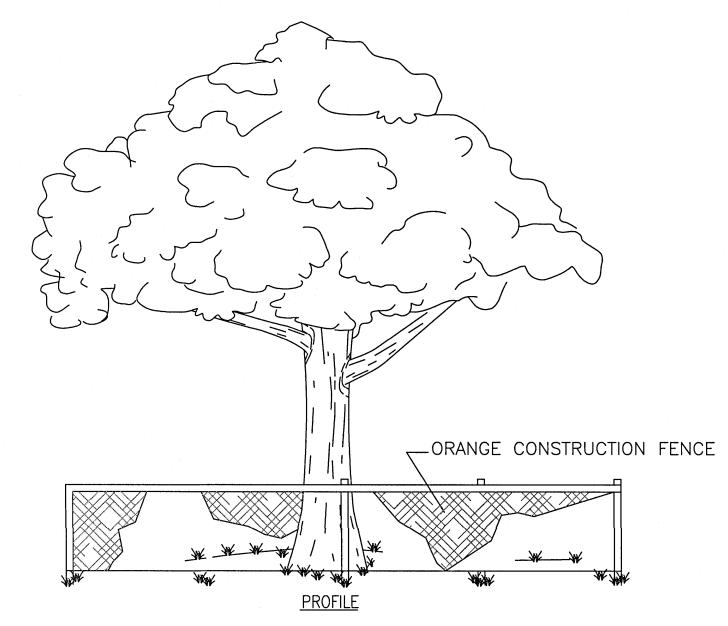




INSTALL FILTER FABRIC UNDER INLET GRATE IMMEDIATELY UPON INSTALLATION. REMOVE AND REPLACE WITH NEW FABRIC REGULARLY TO MAINTAIN FLOW AND REDUCE SEDIMENT ACCUMULATION.

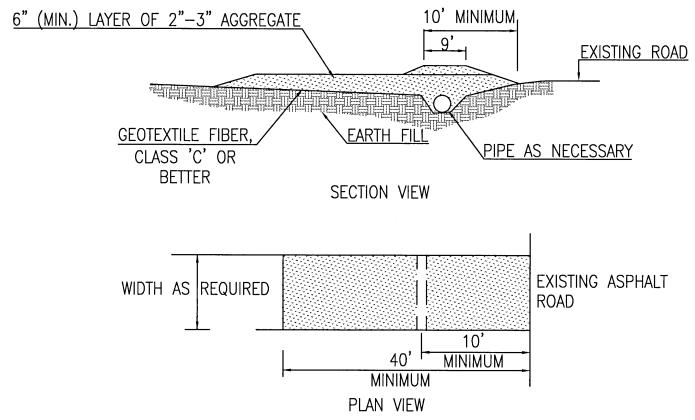
SYNTHETIC BALES OR SEDIMENT LOG WILL BE PLACED AT COMMENCEMENT OF CONSTRUCTION OR IMMEDIATELY AFTER INLET INSTALLATION AND MAINTAINED THROUGHOUT PROJECT COMPLETION AND STABILIZATION.



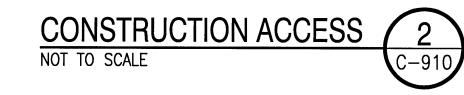


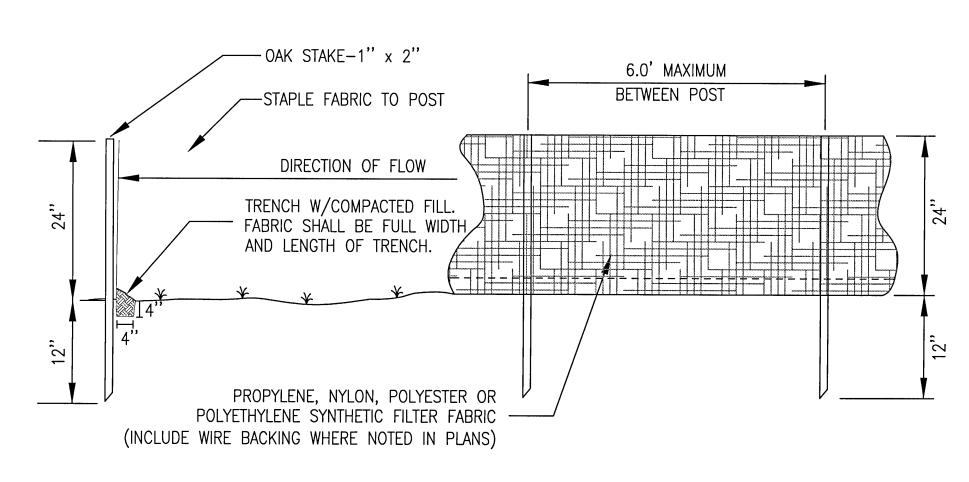
- 1. FOR TEMPORARY USE DURING CONSTRUCTION. BARRICADE SHALL BE PLACED PRIOR TO
- ANY LAND DISTURBANCE 2. FENCE MATERIAL SHALL BE PLACED AT THE DRIP LINE OF THE TREE OR GROUP OF TREES TO BE PROTECTED.
- 3. NONE OF THE FOLLOWING ACTIVITIES SHALL OCCUR WITHIN THE TREE PROTECTION BARRICADE: DRIVING, PARKING, STORING MATERIALS, DUMPING WASTE, CONCRETE WASHOUT, ADDING FILL SOIL, TRENCHING, REMOVING SOIL OR GRUBBING.





- CONSTRUCTION ENTRANCES PROVIDE AN AREA WHERE MUD CAN BE REMOVED FROM VEHICLE TIRES BEFORE THEY LEAVE THE CONSTRUCTION SITE. THE MOTION OF THE VEHICLE AS IT MOVES OVER THE GRAVEL CONSTRUCTION MATERIAL DISLODGES CAKED MUD.
- 2. IF THE ACTION OF THE VEHICLE ON THE GRAVEL PAD IS NOT SUFFICIENT TO DISLODGE MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLE LEAVES THE SITE.
- 3. UTILIZE GRAVEL, 2"-3" (MIN.) IN DIAMETER. GRAVEL LAYER SHOULD BE AT LEAST 6" THICK. THE PAD SHOULD BE AT LEAST 50' LONG. WIDTH SHOULD BE APPROPRIATE TO VEHICLE SIZE.

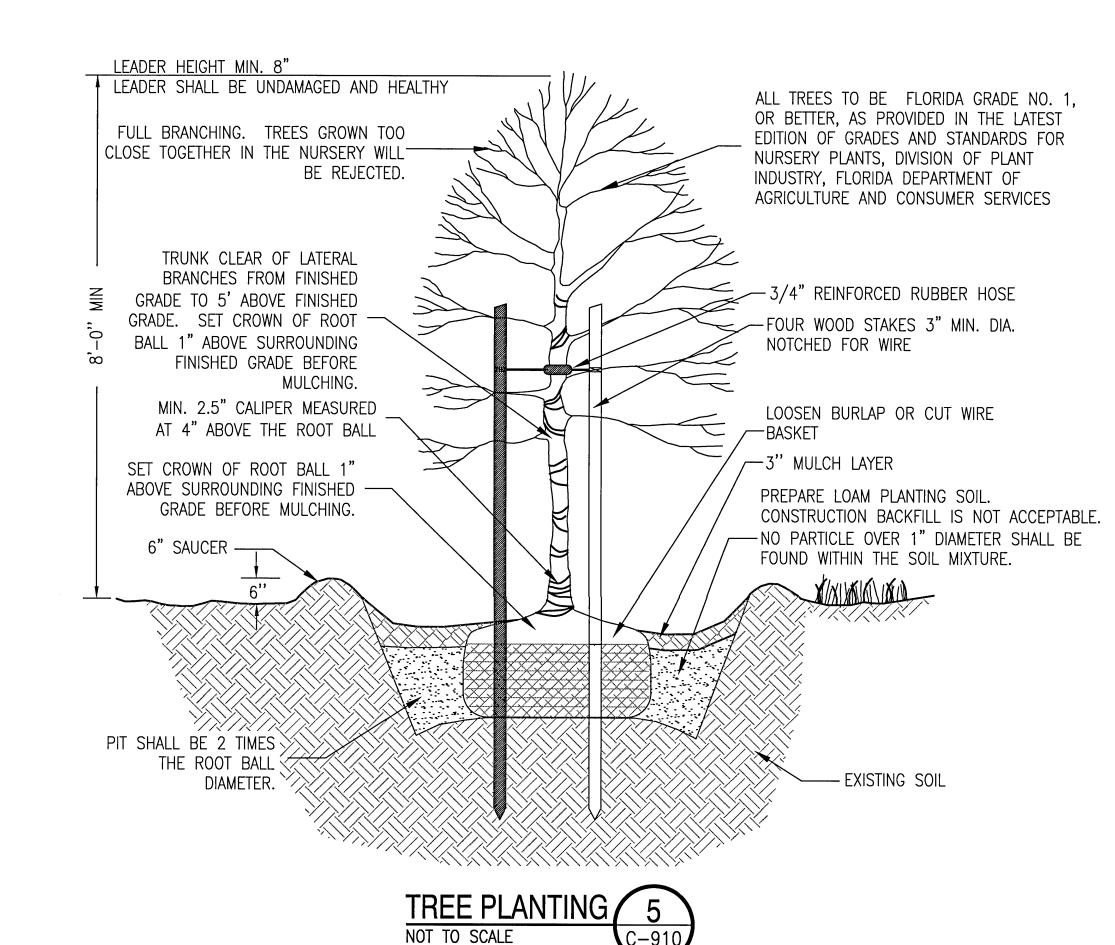


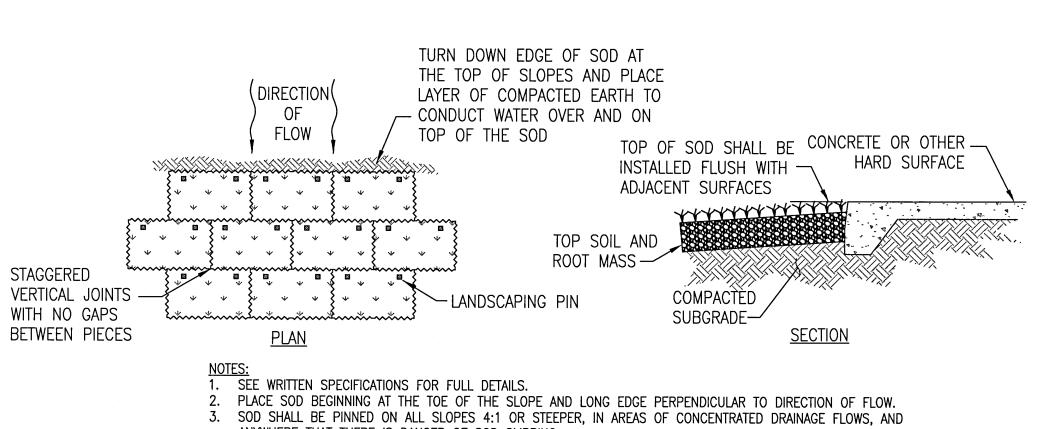


FENCE SECTION

FENCE ELEVATION

SILT FENCE NOT TO SCALE

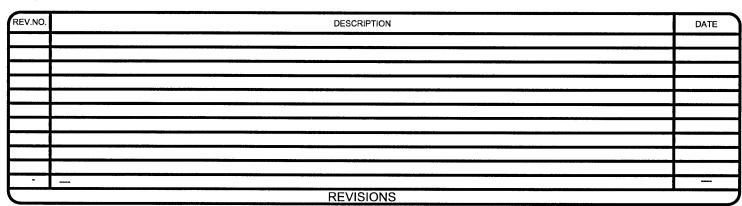


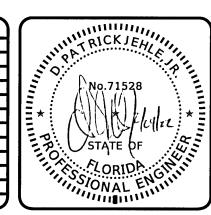


ANYWHERE THAT THERE IS DANGER OF SOD SLIPPING.

4. INSTALL SOD EDGES FLUSH WITH FINISHED GRADE OR ADJOINING SOD.

SODDING DETAIL NOT TO SCALE









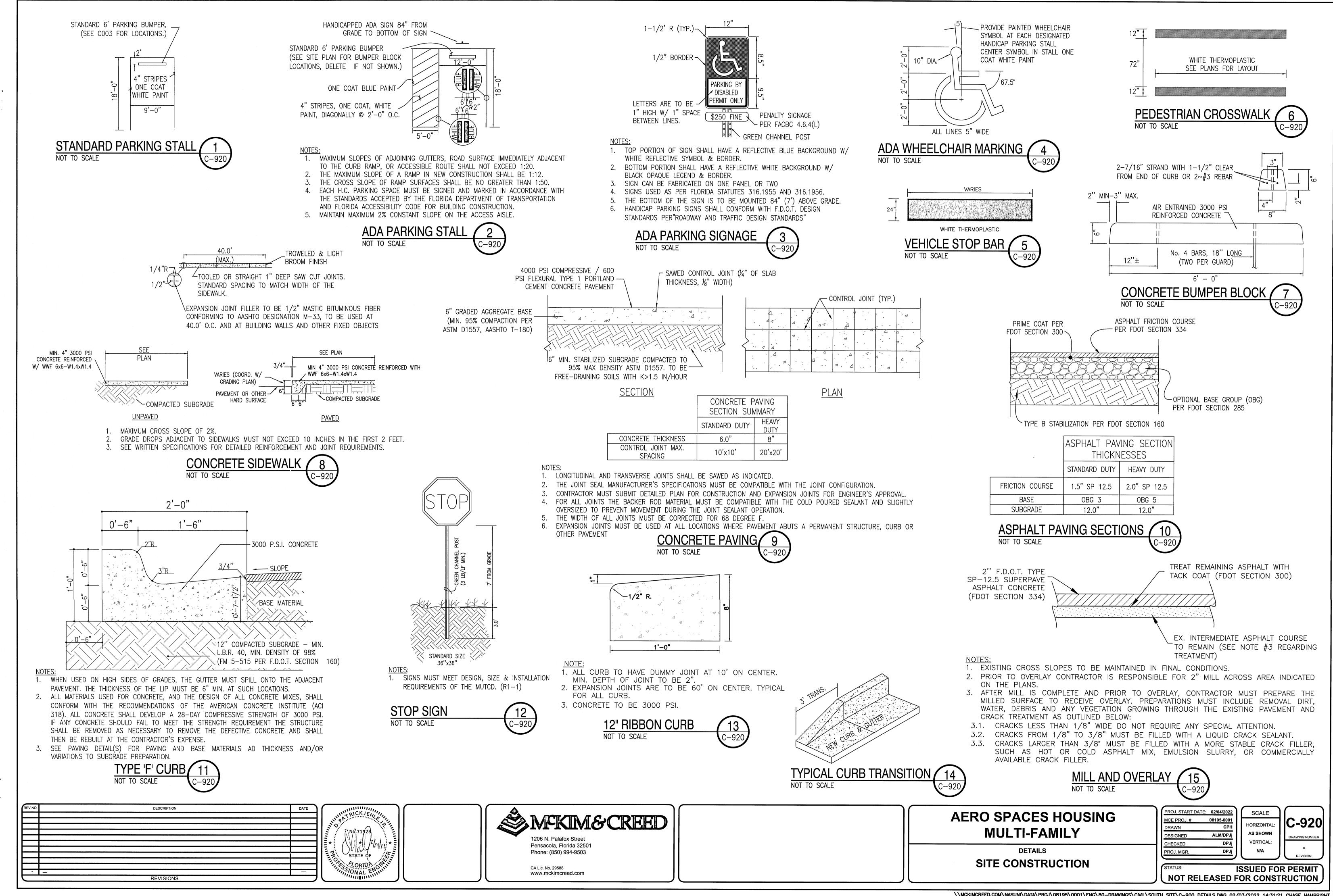


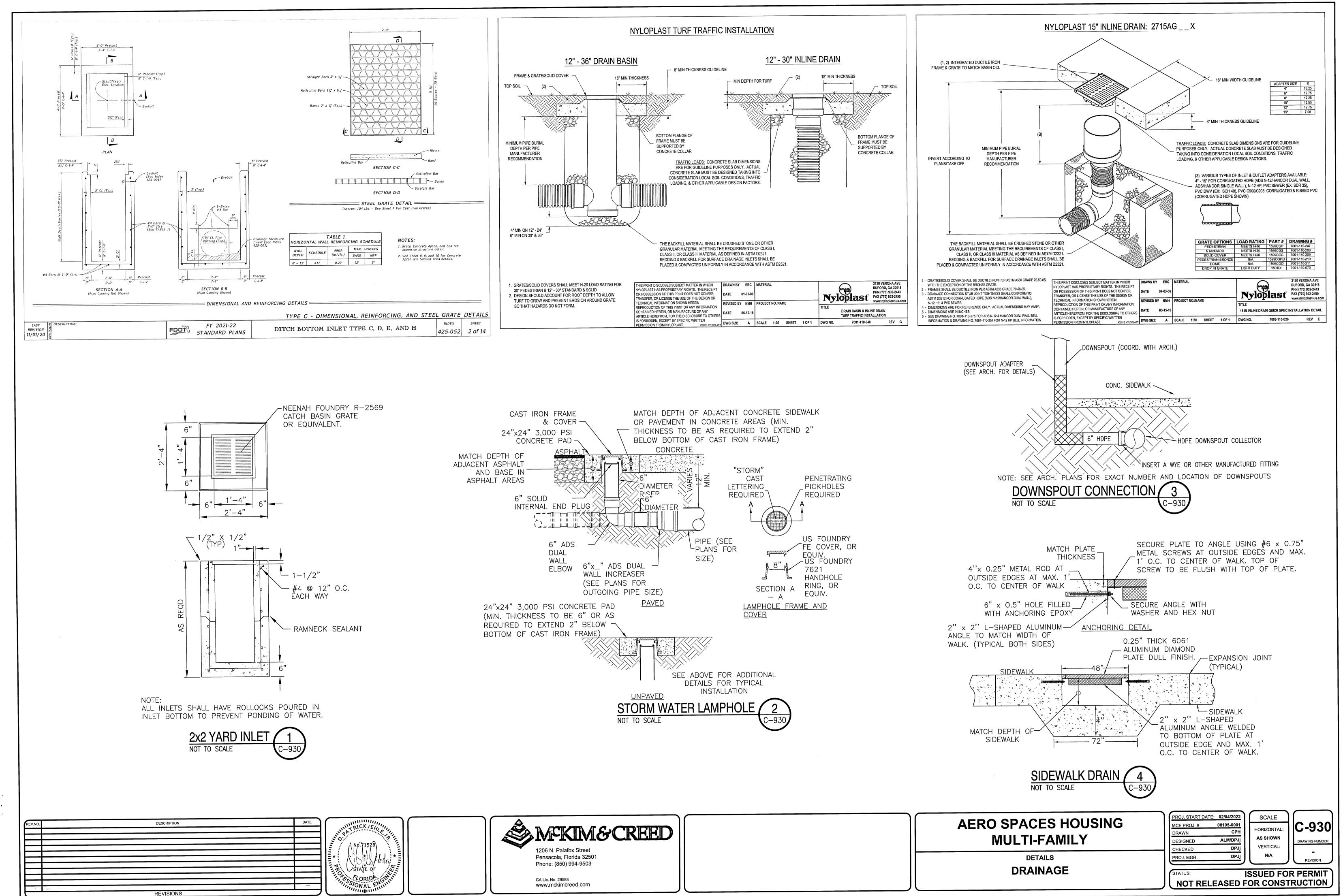
DETAILS EROSION CONTROL

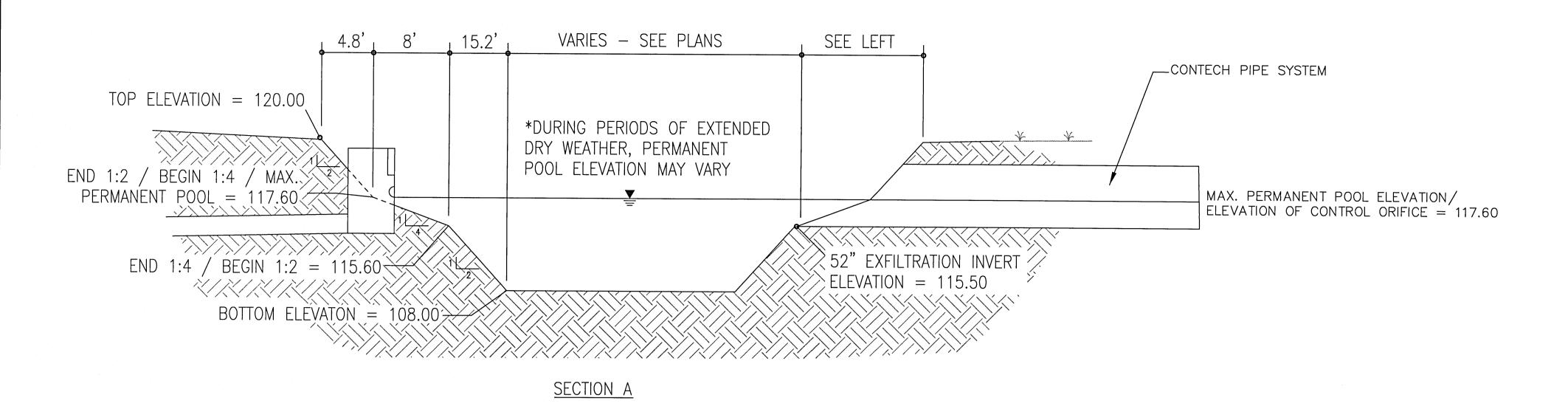
08195-0001 DRAWN DESIGNED **AS SHOWN** ALM/DPJi VERTICAL: DPJj CHECKED DPJj PROJ. MGR.

NOT RELEASED FOR CONSTRUCTION

ISSUED FOR PERMIT



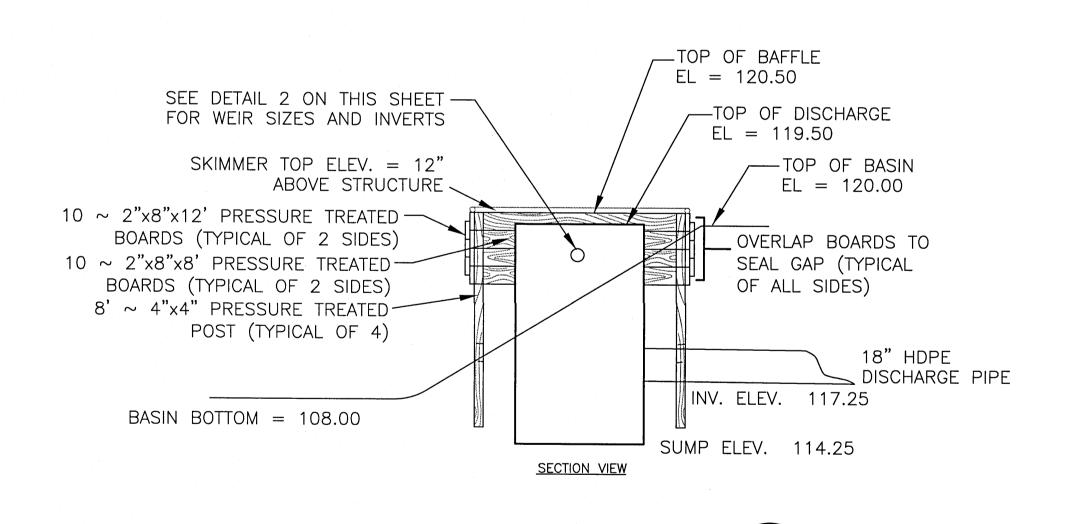




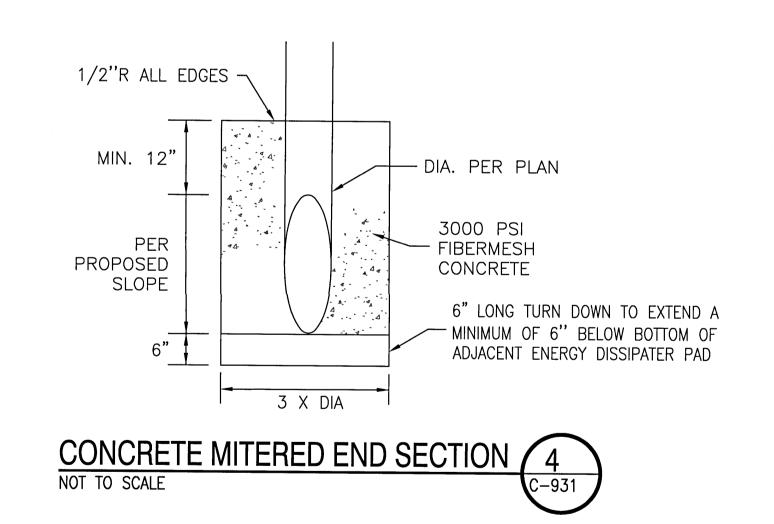
- 1. PONDS MUST BE SUBSTANTIALLY COMPLETE PRIOR TO ANY CONSTRUCTION ACTIVITIES THAT MAY INCREASE STORM WATER RUNOFF RATES. THE CONTRACTOR MUST CONTROL STORM WATER DURING ALL PHASES OF CONSTRUCTION AND TAKE ADEQUATE MEASURES TO PREVENT THE EXCAVATED POND FROM BLINDING DUE TO SEDIMENTS.
- 2. SIDES AND BOTTOM OF STORM WATER POND MUST BE IMMEDIATELY STABILIZED UPON CONSTRUCTION.
 3. UPON FINAL COMPLETION OF CONSTRUCTION AND STABILIZATION OF ALL UPSTREAM AREAS, POND MUST BE RE-SHAPED AS NECESSARY TO REMOVE ACCUMULATED SEDIMENT AND TO MATCH THE
- PROPOSED GRADING ON THE PLANS. ALL DISTURBED AREAS MUST BE RE-STABILIZED AND SODDED.

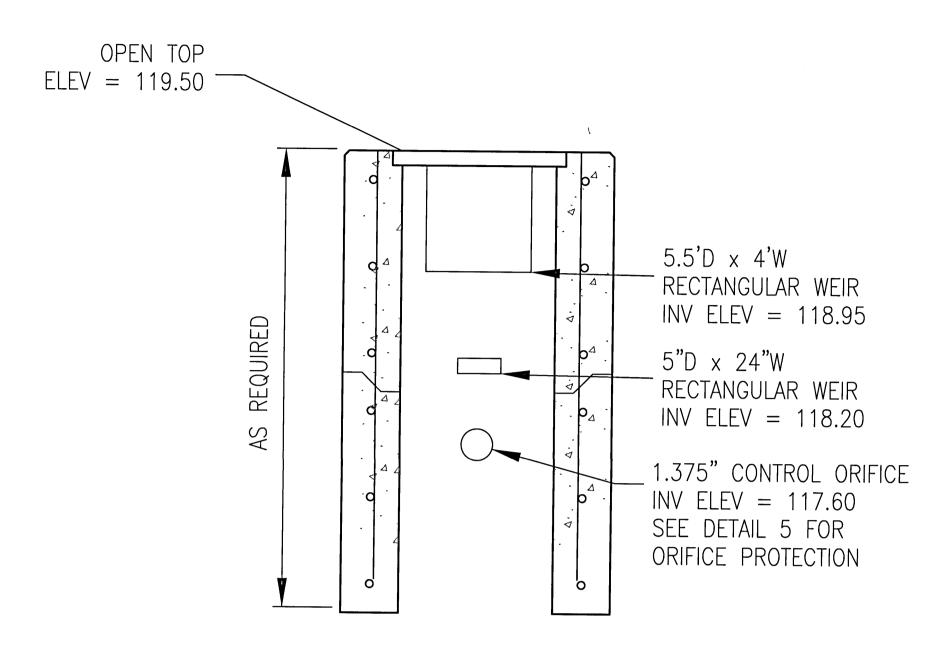
 4. POND MUST BE DESIGNED SO THAT THE POND SIDE SLOPE MEASURED BETWEEN THE CONTROL ELEVATION AND TWO FEET BELOW THE CONTROL ELEVATION IS NO STEEPER THAN 4H:1V.

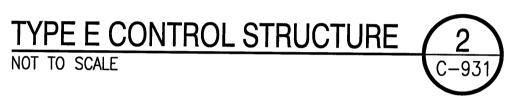


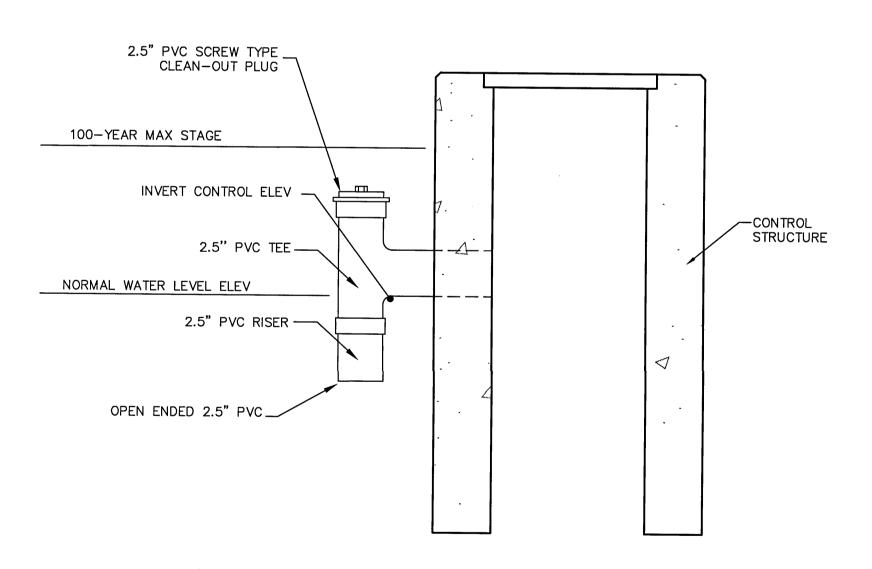


SKIMMER STRUCTURE DETAIL

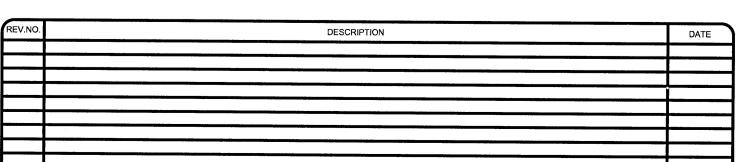




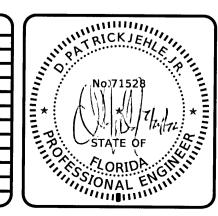


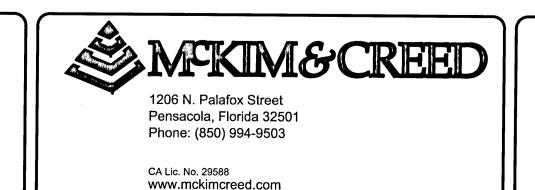


PVC ELBOW FOR ORIFICE DIAMETERS LESS THAN 3-INCHES (NOT TO SCALE



NOT TO SCALE



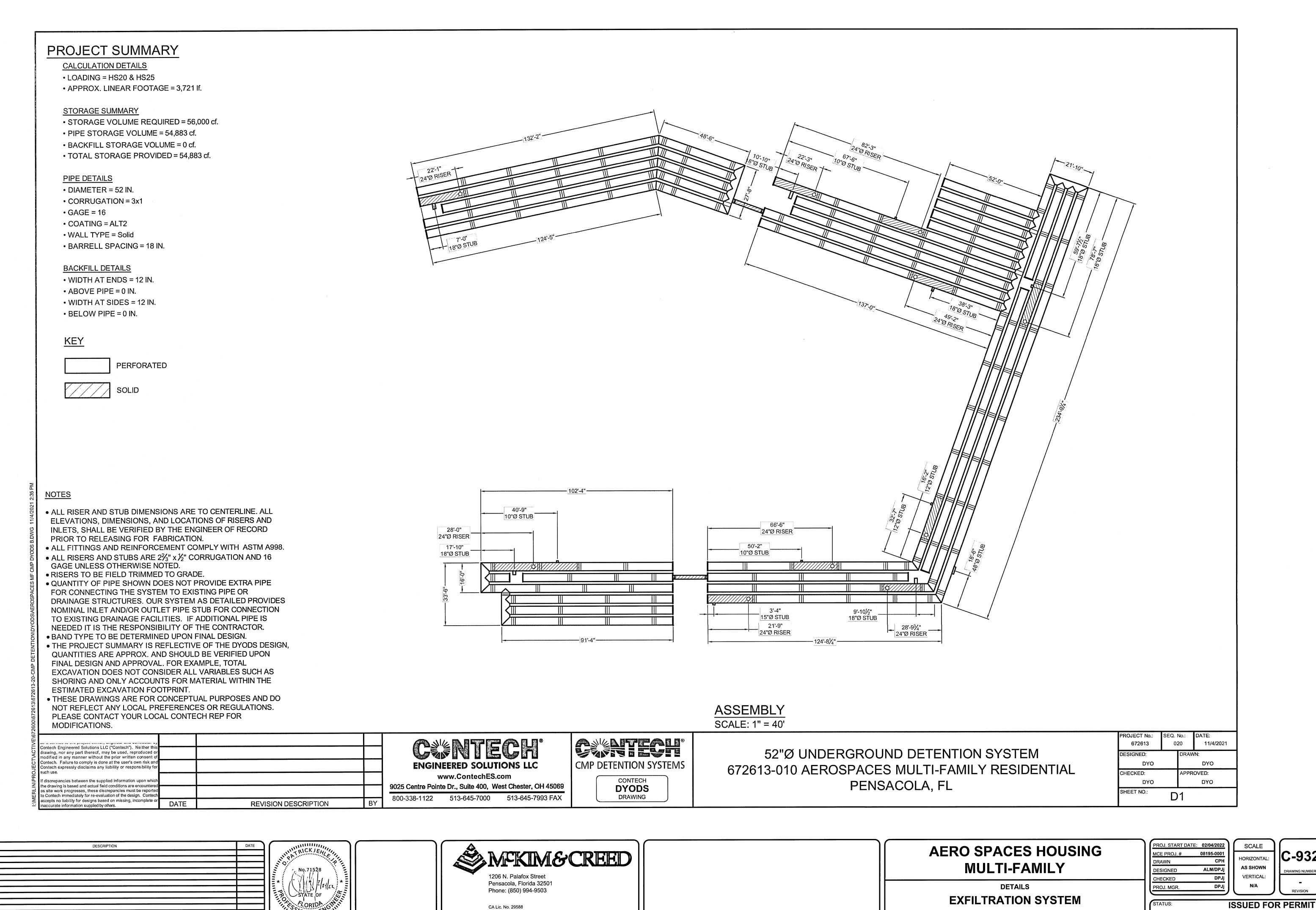




DETAILS DRAINAGE

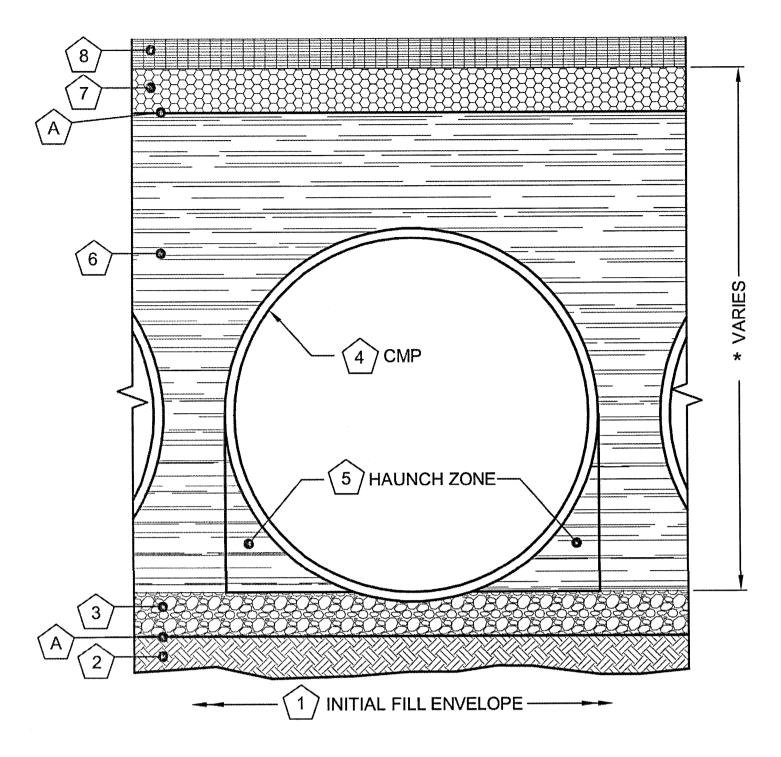
ROJ. START DATI	E: 02/04/2022	SCALE
CE PROJ. #	08195-0001	
RAWN	СРН	HORIZONTAL:
ESIGNED	ALM/DPJj	AS SHOWN
HECKED	DPJj	VERTICAL:
ROJ. MGR.	DPJj	N/A

ISSUED FOR PERMIT NOT RELEASED FOR CONSTRUCTION



REVISIONS

NOT RELEASED FOR CONSTRUCTION



Material Location	Description	Material Designation	Designation
Rigid or Flexible Pa (if applicable)	avement		
Road Base (if appli	cable)		
Geotextile Layer	Non-Woven Geotextile	CONTECH C-40 or C-45	Engineer Decision for consideration to prevent migration into varying soil types
Backfill	Well graded granular material which may contain small amounts of silt or clay.	AASHTO M 145- A-1, A-2, A-3	Placed in 8" +/- loose lifts and compacted to 90' Standard Proctor Per AASHTO T 99
Bedding Stone	Well graded granular bedding material w/maximum particle size of 3"	AASHTO M43 - 3,357,4,467, 5, 56, 57	Engineer to determine if bedding is required. Pi may be placed on the trench bottom of a relative loose, native suitable well graded & granular material. For Arch pipes it is recommended to be shaped to a relatively flat bottom or fine-grade foundation to a slight v-shape. Unsuitable material should be over-excavated and re-place with a 4"-6" layer of well graded & granular storper the material designation. See AASHTO 26.3.8.1 / 26.5.3 Bedding info.
Geotextile Layer	Non-Woven Geotextile	CONTECH C-40 or C-45	Engineer Decision for consideration to prevent migration into varying soil types

FRONT 2'-6" --NOTE:
MANWAY DETAIL APPLICABLE FOR CMP — Ø PIPE− SYSTEMS WITH DIAMETERS 48" AND LARGER. MANWAYS MAY BE REQUIRED **PLAN** ON SMALLER SYSTEMS DEPENDING ON ACTUAL SITE SPECIFIC CONDITIONS. TYPICAL MANWAY DETAIL SCALE: N.T.S. RISER (TYP.) SEE DETAIL **END ELEVATION** NOTE: LADDERS ARE OPTIONAL AND ARE NOT TYPICAL RISER DETAIL REQUIRED FOR ALL SYSTEMS SCALE: N.T.S.

LIMITS OF REQUIRED BACKFILL

TYPICAL SECTION VIEW
LINER OVER ROWS
SCALE: N.T.S.

MINIMUM WIDTH DEPENDS ON SITE CONDITIONS AND ENGINEERING JUDGEMENT

FOUNDATION/BEDDING PREPARATION

- PRIOR TO PLACING THE BEDDING, THE FOUNDATION MUST BE CONSTRUCTED TO A UNIFORM AND STABLE GRADE. IN THE EVENT THAT UNSUITABLE FOUNDATION MATERIALS ARE ENCOUNTERED DURING EXCAVATION, THEY SHALL BE REMOVED AND BROUGHT BACK TO THE GRADE WITH A FILL MATERIAL AS APPROVED BY THE ENGINEER.
- HAUNCH ZONE MATERIAL SHALL BE PLACED AND UNIFORMALLY COMPACTED WITHOUT SOFT SPOTS.

BACKFILL

WHEN PLACING THE FIRST LIFTS OF BACKFILL IT IS IMPORTANT TO MAKE SURE THAT THE BACKFILL IS PROPERLY COMPACTED UNDER AND AROUND THE PIPE HAUNCHES. BACKFILL SHALL BE PLACED SUCH THAT THERE IS NO MORE THAN A TWO LIFT (16") DIFFERENTIAL BETWEEN ANY OF THE PIPES AT ANY TIME DURING THE BACKFILL PROCESS. THE BACKFILL SHALL BE ADVANCED ALONG THE LENGTH OF THE DETENTION SYSTEM AT THE SAME RATE TO AVOID DIFFERENTIAL LOADING ON THE PIPE.

OTHER ALTERNATE BACKFILL MATERIAL MAY BE ALLOWED DEPENDING ON SITE SPECIFIC CONDITIONS, AS APPROVED BY SITE ENGINEER.

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as site work progresses, these discrepancies must be reported				90
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not allow for placement and adequate compaction of the backfill.

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 513-645-7000
 513-645-7993 FAX

CMP DETENTION SYSTEMS

CONTECH
DYODS
DRAWING

52"Ø UNDERGROUND DETENTION SYSTEM 672613-010 AEROSPACES MULTI-FAMILY RESIDENTIAL PENSACOLA, FL

PROJECT No.: 672613	SEQ. 02	No.: 20	DATE: 11/4/2021
DESIGNED:		DRAW	/N:
DYO			DYO
CHECKED:		APPR	OVED:
DYO			DYO
SHEET NO.:	D	2	

DESCRIPTION DATE

DATE

DATE

TOTAL

DESCRIPTION

DATE

TOTAL

DATE

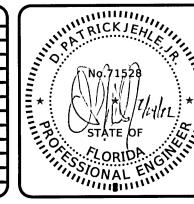
TOTAL

DATE

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DATE

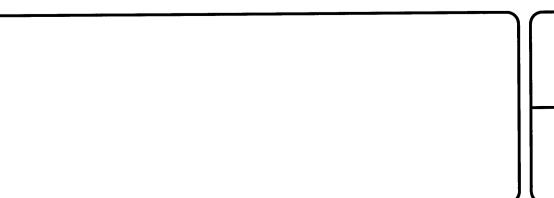
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AERO SPACES HOUSING
MULTI-FAMILY

DETAILS
EXFILTRATION SYSTEM

02/04/2022	PROJ. START DATE:
08195-0001	MCE PROJ. #
СРН	DRAWN
ALM/DPJj	DESIGNED
DPJj	CHECKED
DPJj	PROJ. MGR.

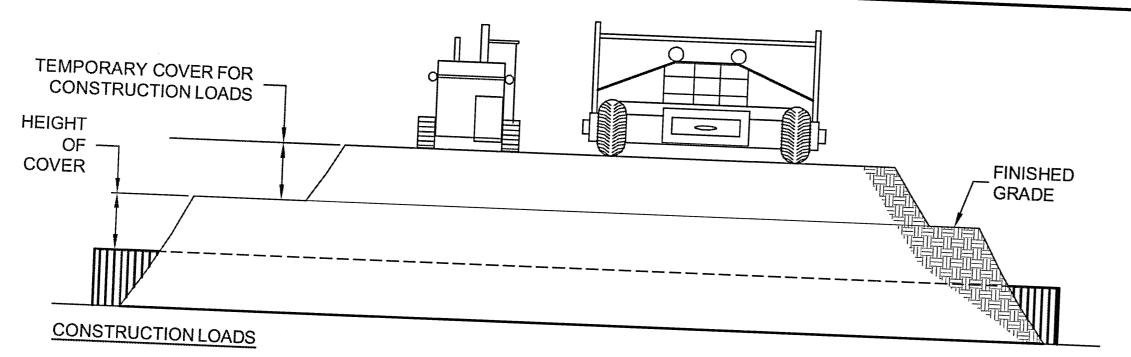
VERTICAL:
N/A

ISSUED FOR PERMIT

HORIZONTAL:

NOT RELEASED FOR CONSTRUCTION

\\MCKIMCREED.COM\NASUNI\DATA\PROJ\08195\0001\ENG\80-DRAWINGS\CMIL\SOUTH SITE\C-900 DETAILS.DWG 02/03/2022 14:31:41 CHASE HAMBRIGHT



FOR TEMPORARY CONSTRUCTION VEHICLE LOADS, AN EXTRA AMOUNT OF COMPACTED COVER MAY BE REQUIRED OVER THE TOP OF THE PIPE. THE HEIGHT-OF-COVER SHALL MEET THE MINIMUM REQUIREMENTS SHOWN IN THE TABLE BELOW. THE USE OF HEAVY CONSTRUCTION EQUIPMENT NECESSITATES GREATER PROTECTION FOR THE PIPE THAN FINISHED

PIPE SPAN,	AXLE LOADS (kips) 18-50				
INCHES					
	MINIMUM COVER (FT)				
12-42	2.0	2.5	3.0	3.0	
48-72	3.0	3.0	3.5	4.0	
78-120	3.0	3.5	4.0	4.0	
126-144	3.5	4.0	4.5	4.5	

*MINIMUM COVER MAY VARY, DEPENDING ON LOCAL CONDITIONS. THE CONTRACTOR MUST PROVIDE THE ADDITIONAL COVER REQUIRED TO AVOID DAMAGE TO THE PIPE. MINIMUM COVER IS MEASURED FROM THE TOP OF THE PIPE TO THE TOP OF THE MAINTAINED CONSTRUCTION ROADWAY SURFACE.

CONSTRUCTION LOADING DIAGRAM

SCALE: N.T.S.

SPECIFICATION FOR DESIGNED DETENTION SYSTEM:

THIS SPECIFICATION COVERS THE MANUFACTURE AND INSTALLATION OF THE PIPE SHALL BE MANUFACTURED IN ACCORDANCE TO THE APPLICABLE

THE MATERIAL SHALL CONFORM TO THE APPLICABLE REQUIREMENTS

ALUMINIZED TYPE 2 STEEL COILS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF AASHTO M-274 OR ASTM A-92.

THE GALVANIZED STEEL COILS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF AASHTO M-218 OR ASTM A-929.

THE POLYMER COATED STEEL COILS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF AASHTO M-246 OR ASTM A-742.

THE ALUMINUM COILS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF AASHTO M-197 OR ASTM B-744.

CONSTRUCTION LOADS CONSTRUCTION LOADS MAY BE HIGHER THAN FINAL LOADS. FOLLOW THE MANUFACTURER'S OR NCSPA GUIDELINES.

DATE

NOTE:
THESE DRAWINGS ARE FOR CONCEPTUAL
THESE DRAWINGS ARE FOR CONCEPTUAL PURPOSES AND DO NOT REFLECT ANY LOCAL PREFERENCES OR REGULATIONS. PLEASE CONTACT YOUR LOCAL CONTECH REP FOR MODIFICATIONS.

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as site work progresses, these discrepancies must be reporter

Contech immediately for re-evaluation of the design. Contech

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REQUIREMENTS LISTED BELOW:

ALUMINIZED TYPE 2: AASHTO M-36 OR ASTM A-760

GALVANIZED: AASHTO M-36 OR ASTM A-760

POLYMER COATED: AASHTO M-245 OR ASTM A-762

ALUMINUM: AASHTO M-196 OR ASTM B-745

HANDLING AND ASSEMBLY

SHALL BE IN ACCORDANCE WITH NCSP'S (NATIONAL CORRUGATED STEEL PIPE ASSOCIATION) FOR ALUMINIZED TYPE 2, GALVANIZED OR POLYMER COATED STEEL. SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS FOR ALUMINUM PIPE.

INSTALLATION

SHALL BE IN ACCORDANCE WITH AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, SECTION 26, DIVISION II DIVISION II OR ASTM A-798 (FOR ALUMINIZED TYPE 2, GALVANIZED OR POLYMER COATED STEEL) OR ASTM B-788 (FOR ALUMINUM PIPE) AND IN CONFORMANCE WITH THE PROJECT PLANS AND SPECIFICATIONS. IF THERE ARE ANY INCONSISTENCIES OR CONFLICTS THE CONTRACTOR SHOULD DISCUSS AND RESOLVE WITH THE

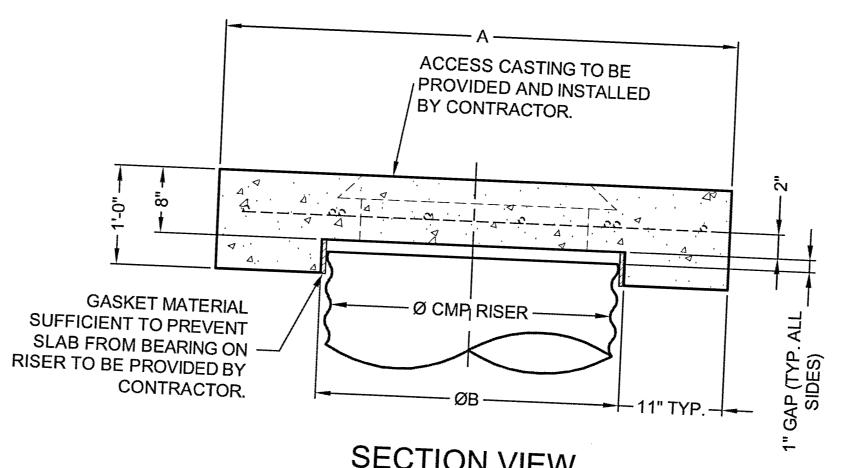
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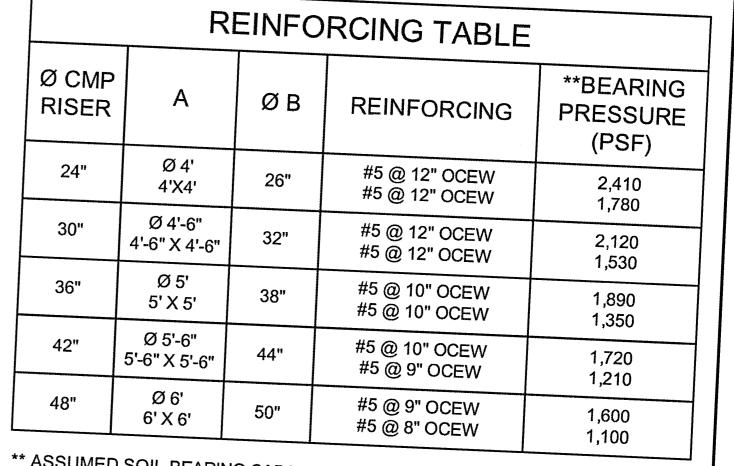
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800-338-1122 513-645-7000 513-645-7993 FAX

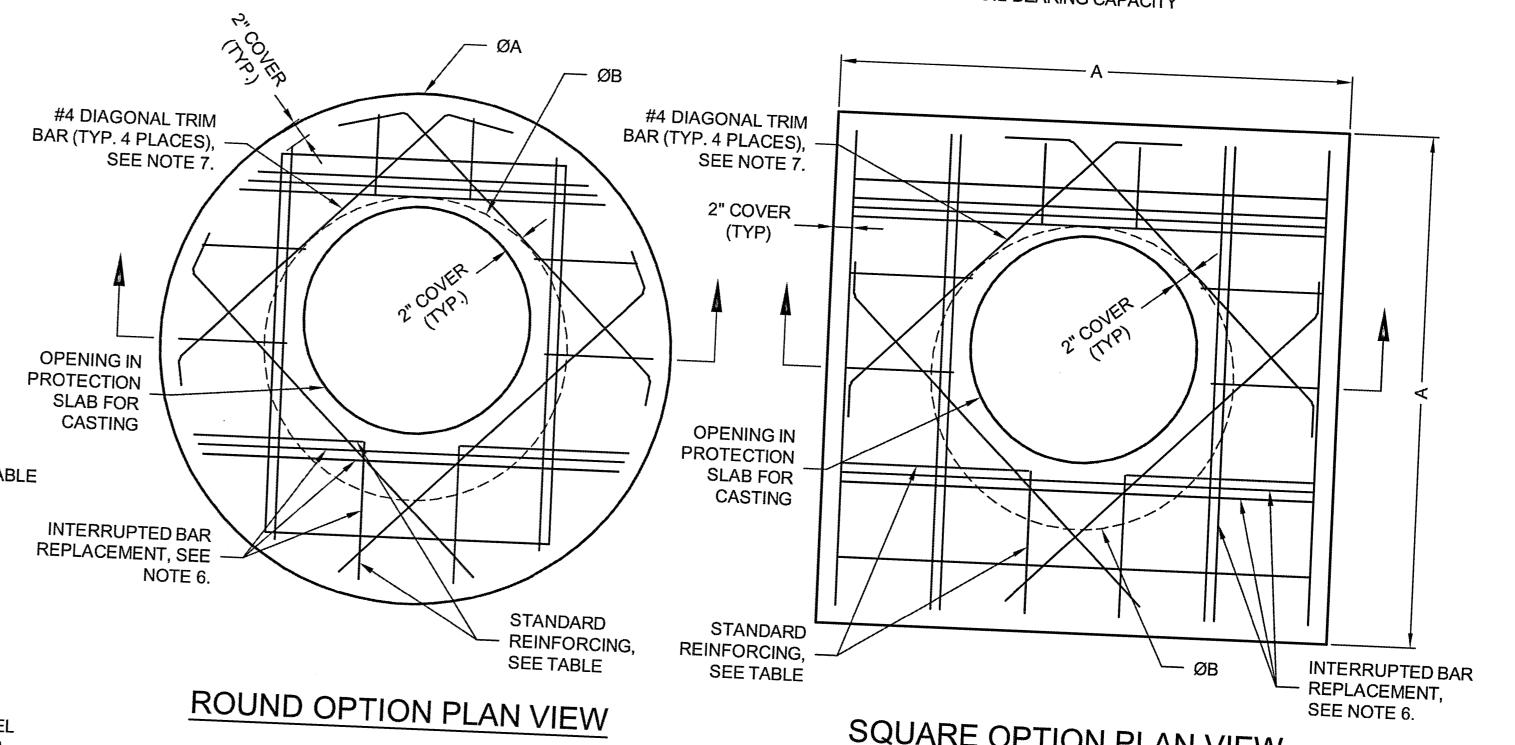
IT IS ALWAYS THE RESPONSIBILITY OF THE CONTRACTOR TO FOLLOW OSHA GUIDELINES FOR SAFE PRACTICES.



SECTION VIEW



** ASSUMED SOIL BEARING CAPACITY



NOTES:

- 1. DESIGN IN ACCORDANCE WITH AASHTO, 17th EDITION.
- 2. DESIGN LOAD HS25.
- 3. EARTH COVER = 1' MAX.
- 4. CONCRETE STRENGTH = 3,500 psi
- 5. REINFORCING STEEL = ASTM A615, GRADE 60.
- 6. PROVIDE ADDITIONAL REINFORCING AROUND OPENINGS EQUAL TO THE BARS INTERRUPTED, HALF EACH SIDE. ADDITIONAL BARS TO BE IN THE SAME PLANE.

SQUARE OPTION PLAN VIEW

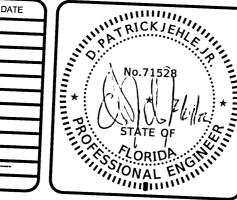
- . TRIM OPENING WITH DIAGONAL #4 BARS, EXTEND BARS A MINIMUM OF 12" BEYOND OPENING, BEND BARS AS REQUIRED TO MAINTAIN BAR COVER.
- 8. PROTECTION SLAB AND ALL MATERIALS TO BE PROVIDED AND INSTALLED BY CONTRACTOR.
- 9. DETAIL DESIGN BY DELTA ENGINEERING, BINGHAMTON, NY.

MANHOLE CAP DETAIL SCALE: N.T.S.

52"Ø UNDERGROUND DETENTION SYSTEM 672613-010 AEROSPACES MULTI-FAMILY RESIDENTIAL PENSACOLA, FL

PROJECT No.: 672613	SEQ.	No.; 120	DATE: 11/4/2021	
DESIGNED:		DRAWN:		
DYO		DYO		
CHECKED:		APPRO	OVED:	
DYO		DYO		
SHEET NO.:	D	3		

DESCRIPTION



REVISION DESCRIPTION



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CHIECH!

CMP DETENTION SYSTEMS

CONTECH

DYODS

DRAWING

AERO SPACES HOUSING MULTI-FAMILY

DETAILS **EXFILTRATION SYSTEM** PROJ. START DATE: 02/04/2022 MCE PROJ. # 08195-0001 ALM/DPJj PROJ. MGR. DPJj

SCALE HORIZONTAL AS SHOWN VERTICAL:

