CONSTRUCTION PLANS AND SPECIFICATIONS

EAST LAKE DRAINAGE IMPROVEMENTS

PALM BEACH COUNTY, FL SECTION 19, TOWNSHIP 47S, RANGE 37E

PROJECT LOCATION-

CITY PAHOKEE CITY COMMISSIONERS

KEITH W. BABB - MAYOR

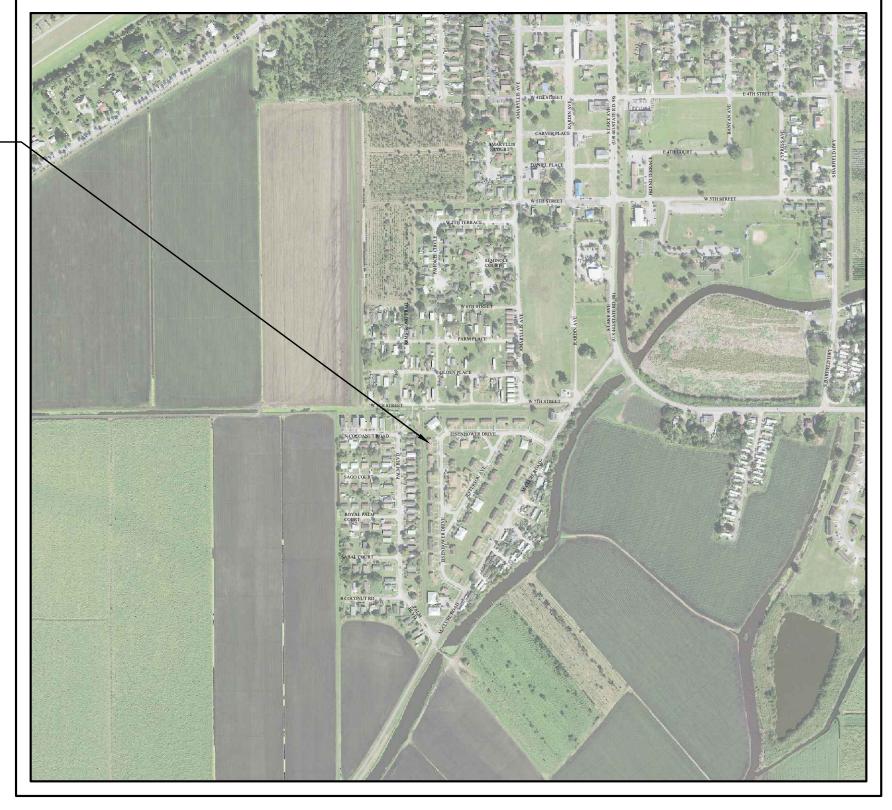
FELISIA HILL - COMMISSIONER

BENNY L. EVERETT - COMMISSIONER

CLARA MURVIN - VICE MAYOR

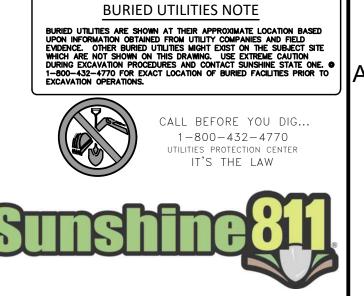
REGINA BOHLEN - COMMISSIONER

CHANDLER WILLIAMSON CITY MANAGER

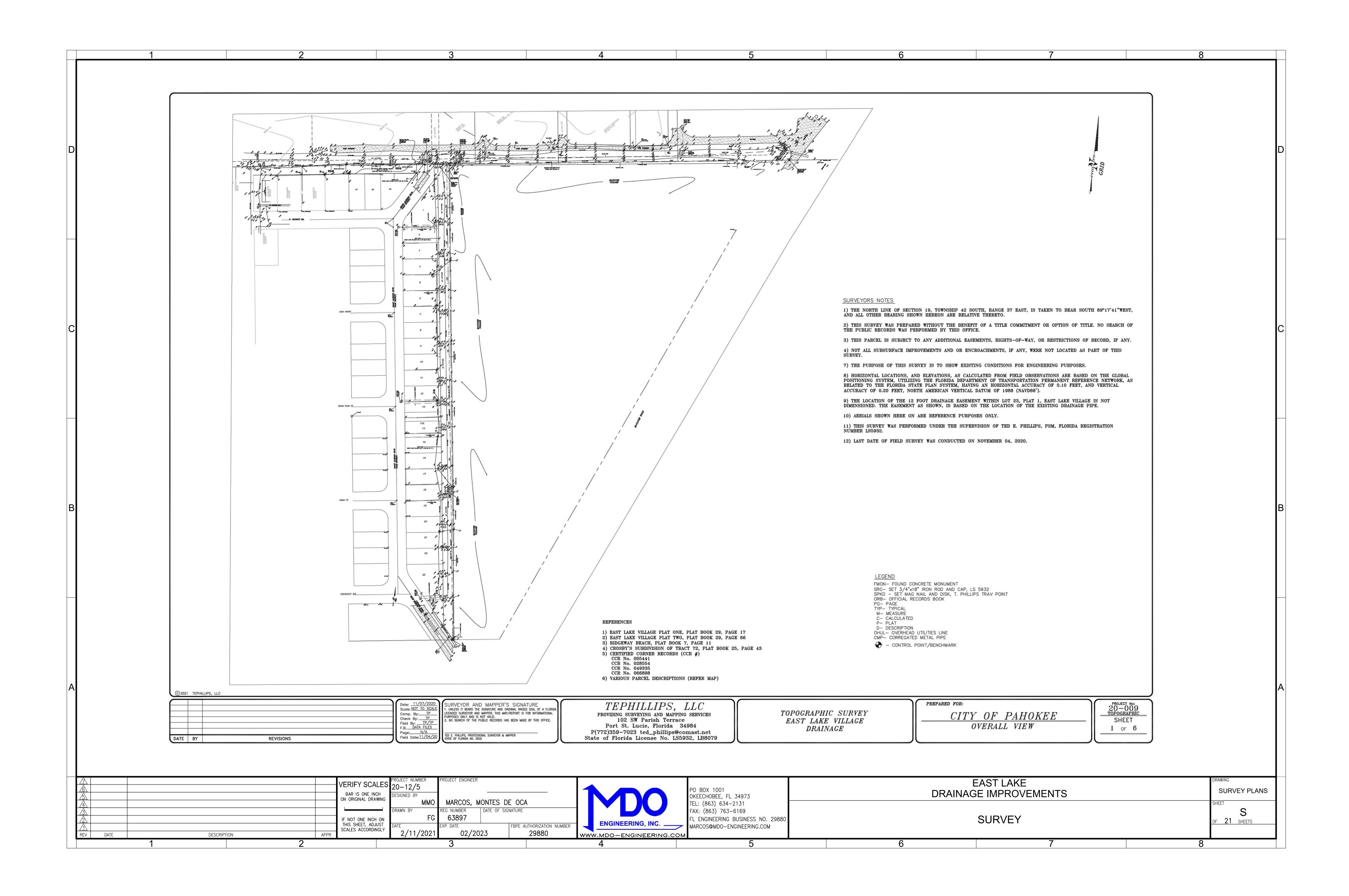


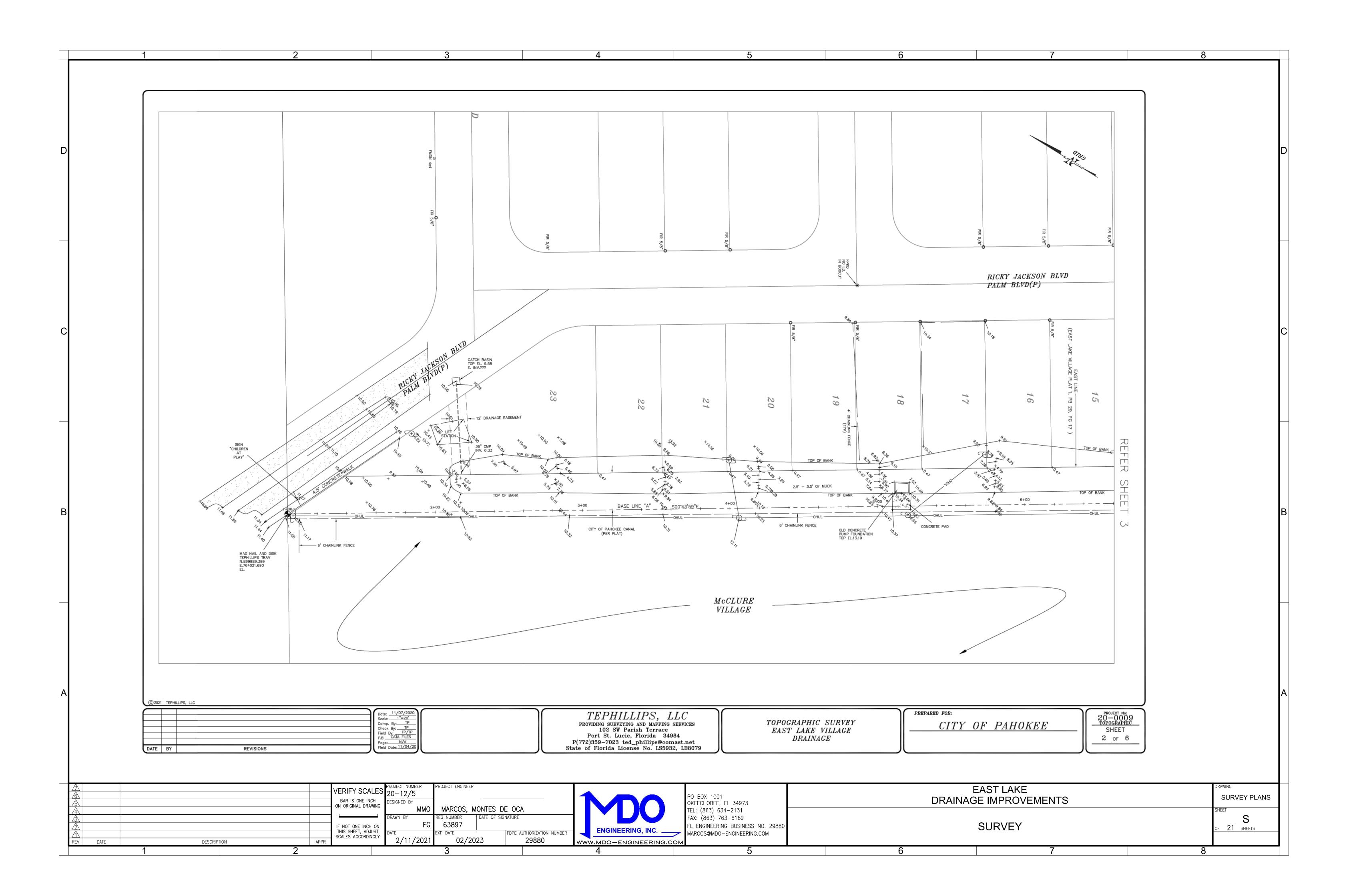
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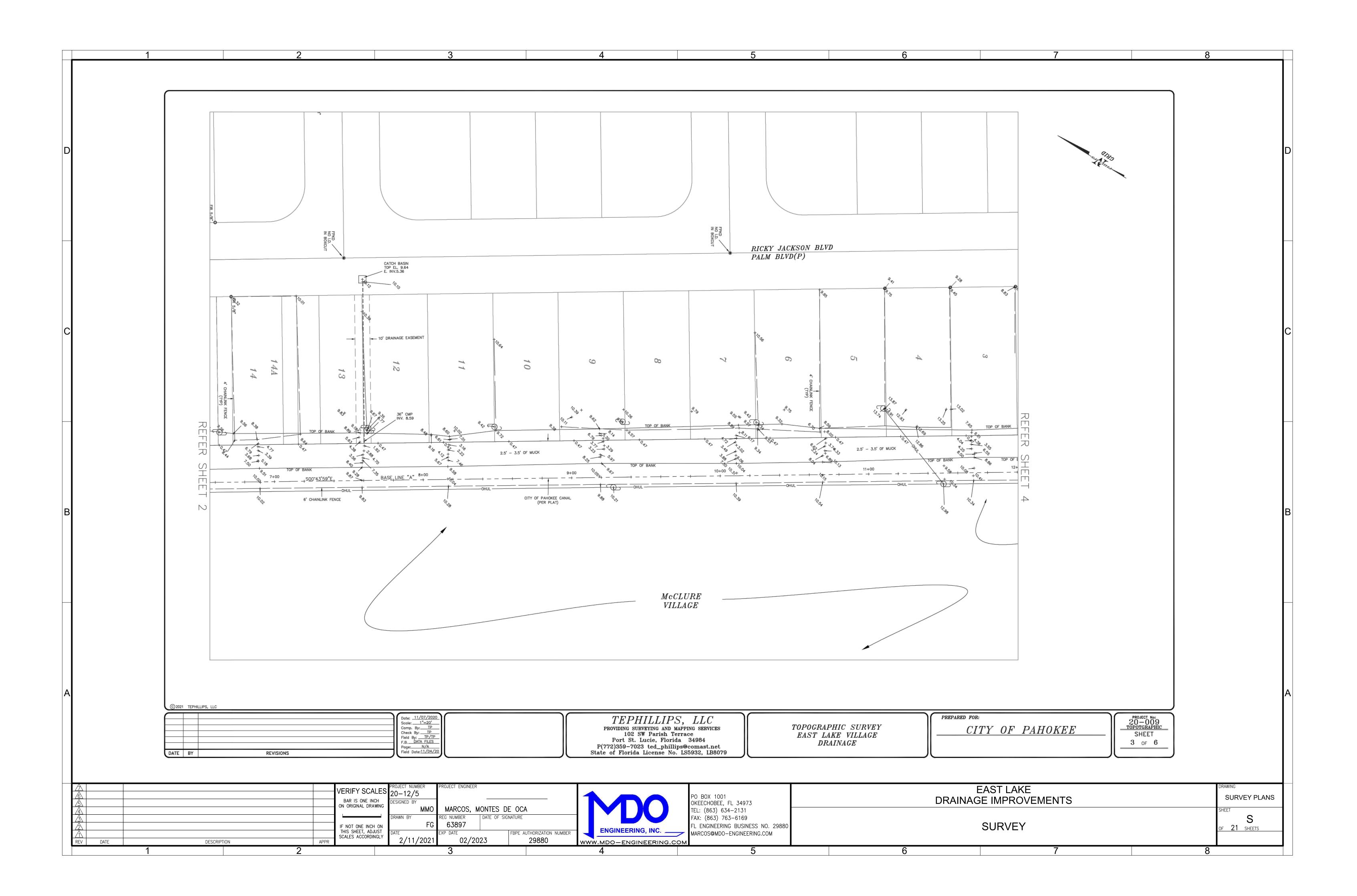


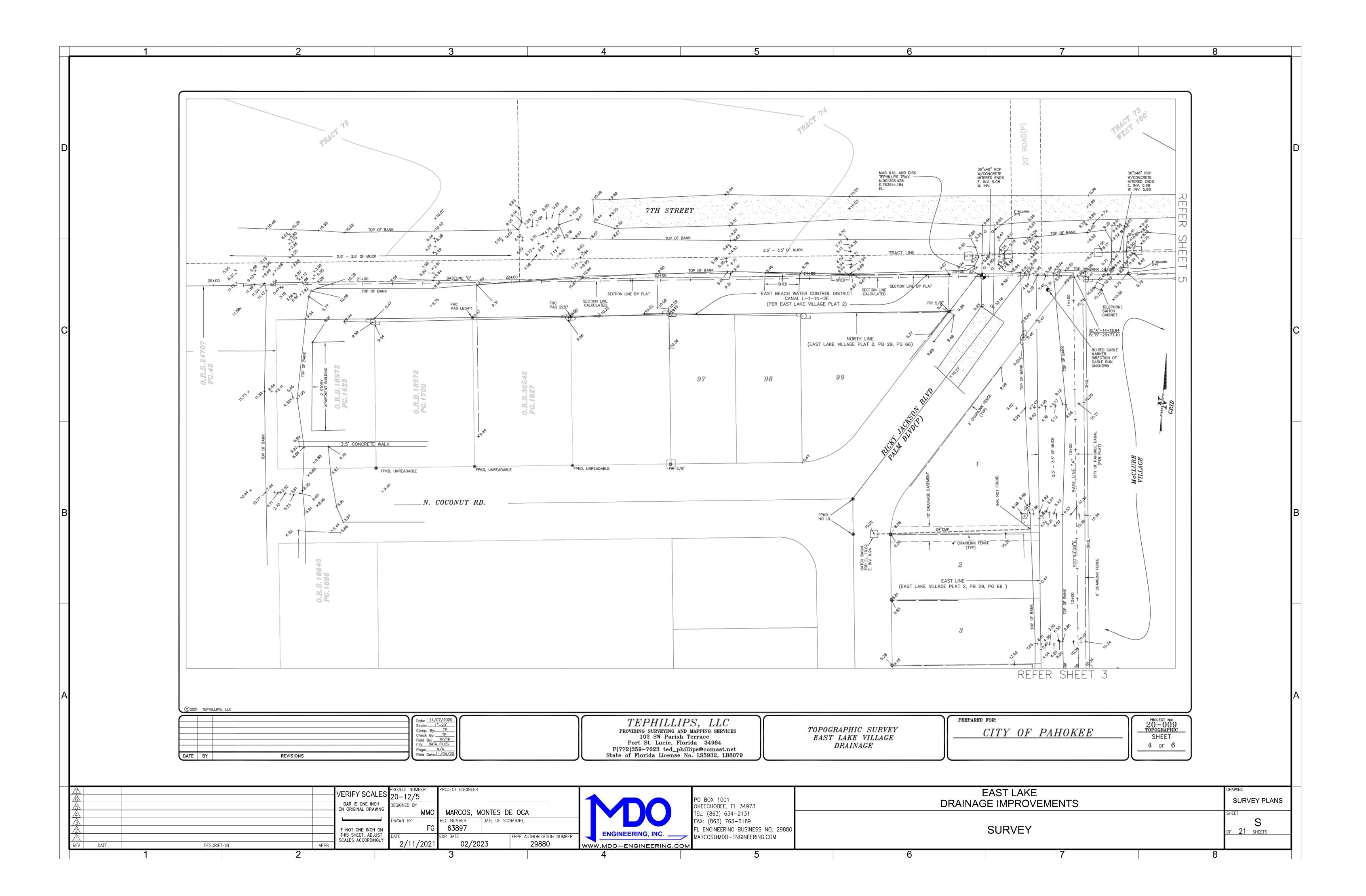


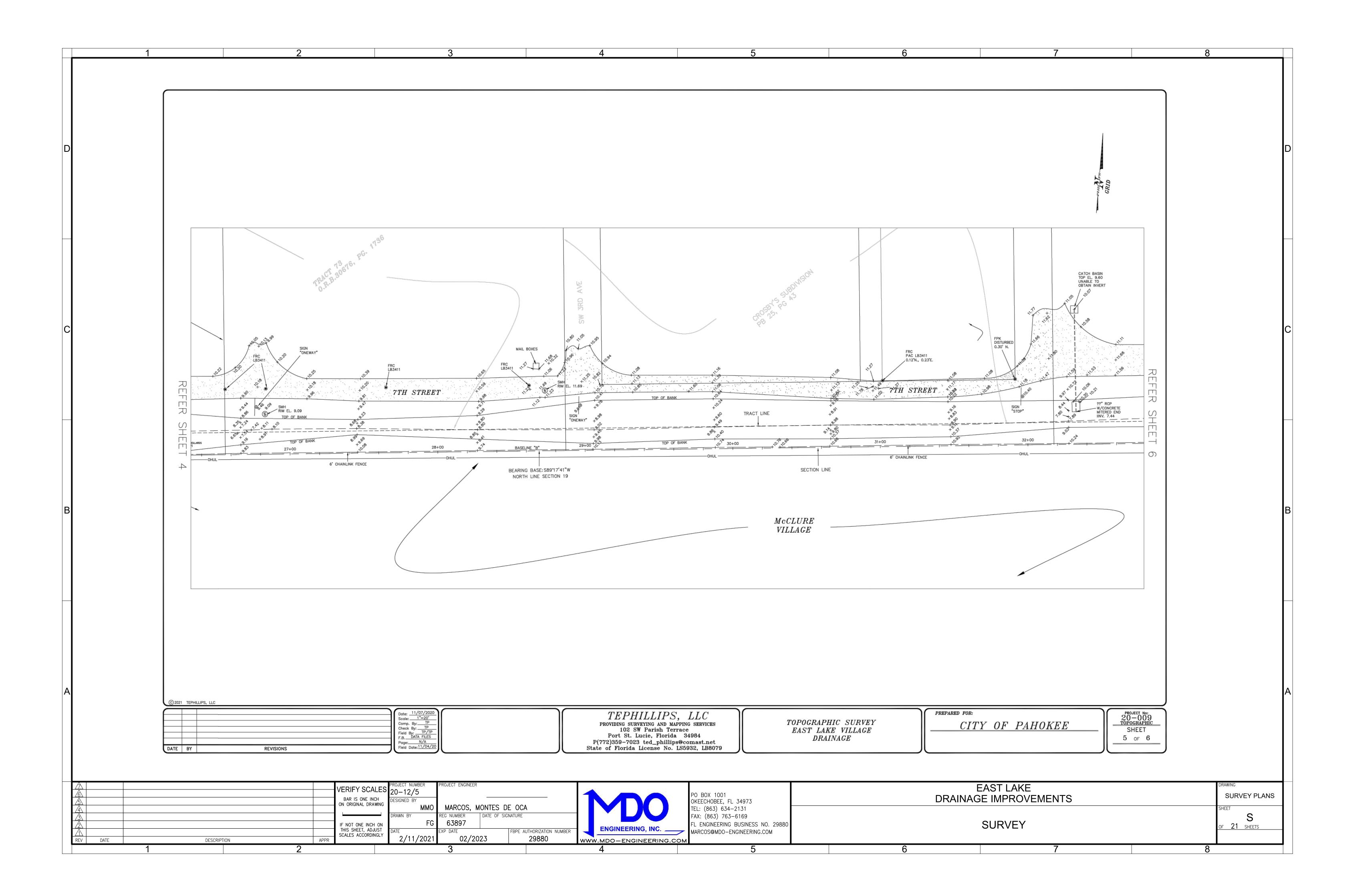
	BAR IS ONE INCH ORIGINAL DRAWING PROJECT NUMBER 20-12/5 DESIGNED BY PROJECT ENGINEER AAABCOS MONTES DE OCA	PO BOX 1001 OKEECHOBEE, FL 34973	EAST LAKE DRAINAGE IMPROVEMENTS	DRAWING COVER
IF N THIS	MMO MARCOS, MONTES DE OCA DRAWN BY REG NUMBER DATE OF SIGNATURE F NOT ONE INCH ON HIS SHEET, ADJUST CALES ACCORDINGLY DATE 2/6/2021 EXP DATE FBPE AUTHORIZATION NUMBER 2/6/2021 2/880	ENGINEERING, INC. ENGINEERING, INC. WWW.MDO-ENGINEERING.COM TEL: (863) 634-2131 FAX: (863) 763-6169 FL ENGINEERING BUSINESS NO. 29880 MARCOS@MDO-ENGINEERING.COM	COVER	G-1 of 21 sheets

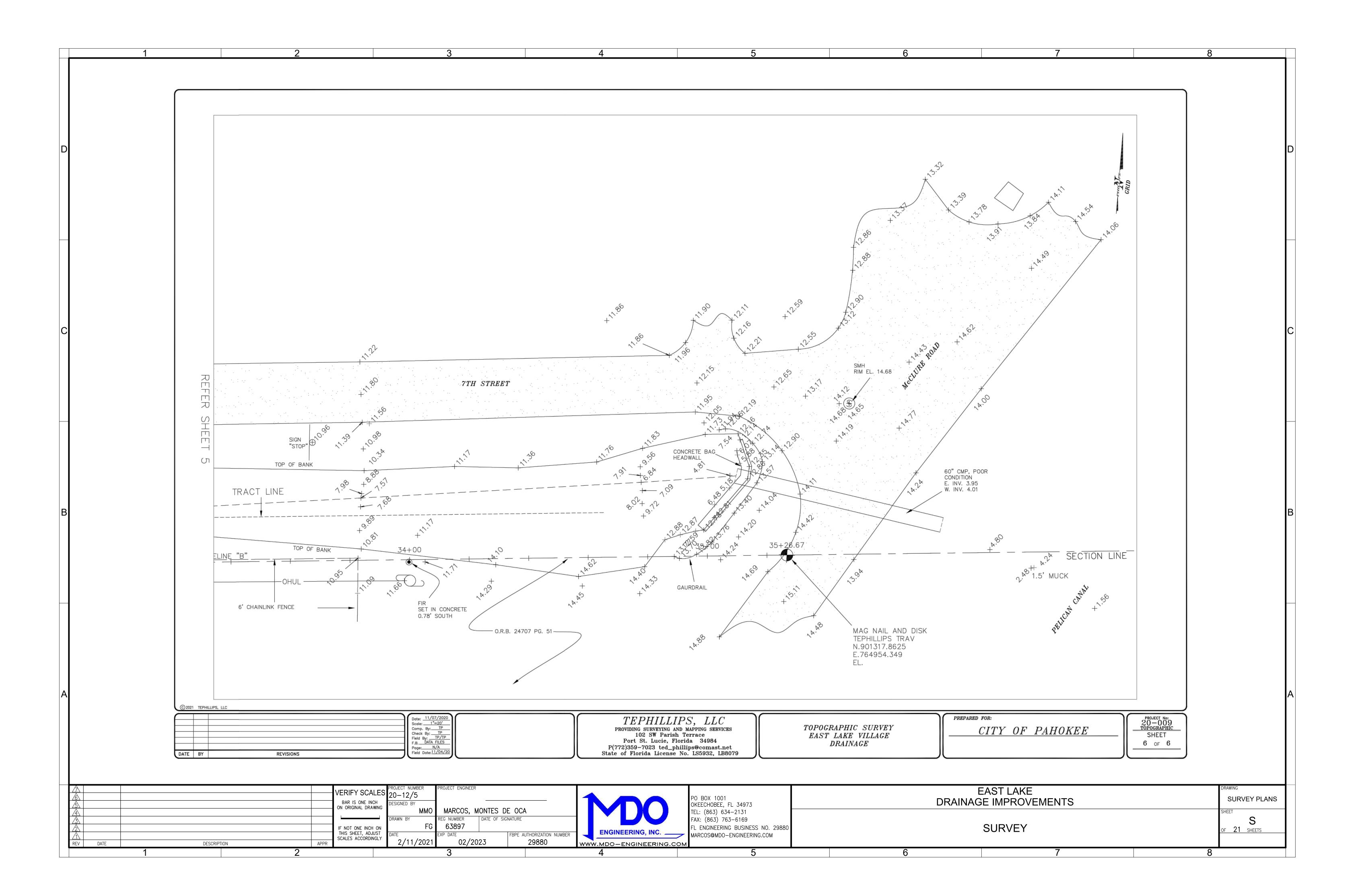


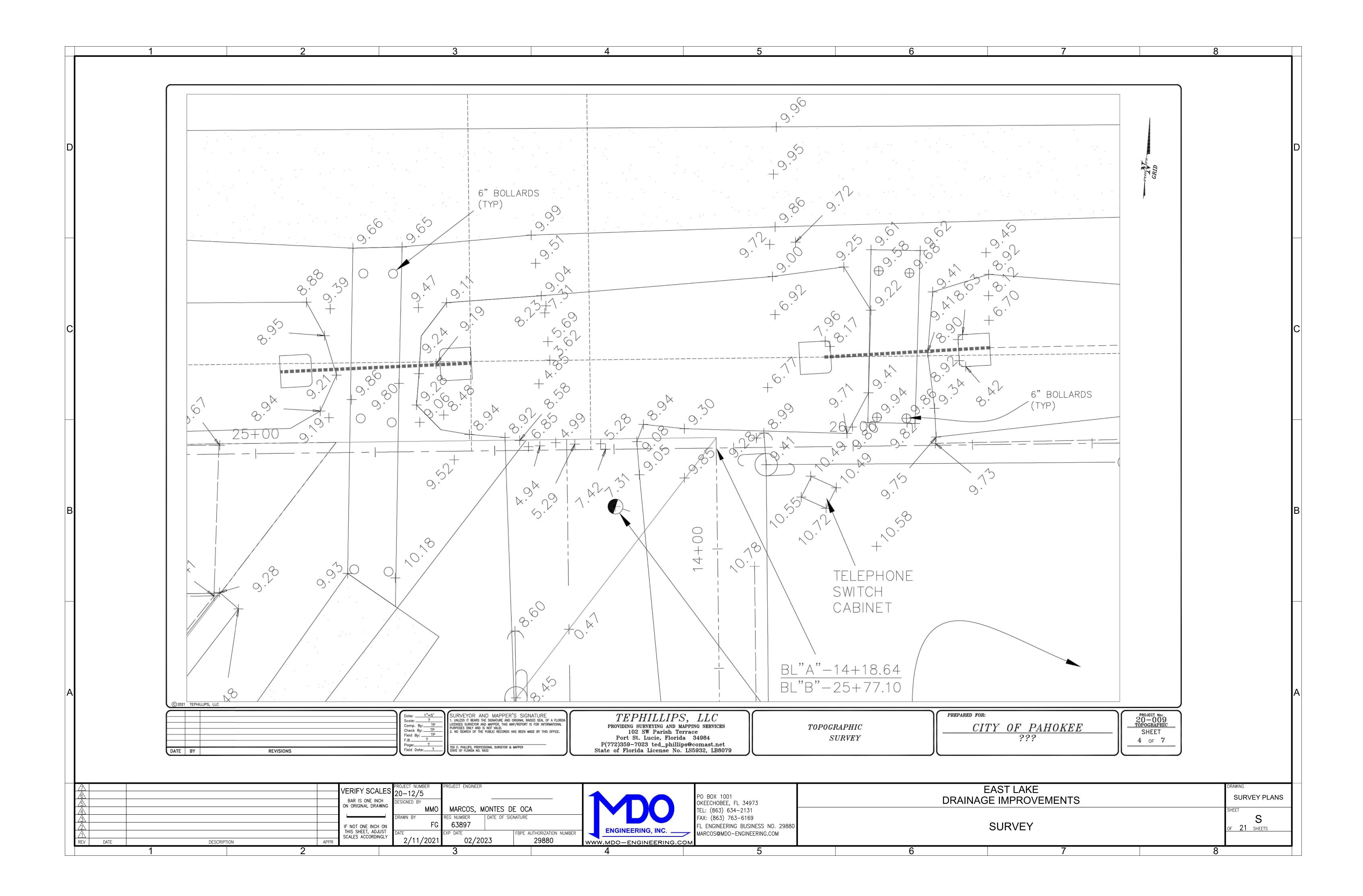






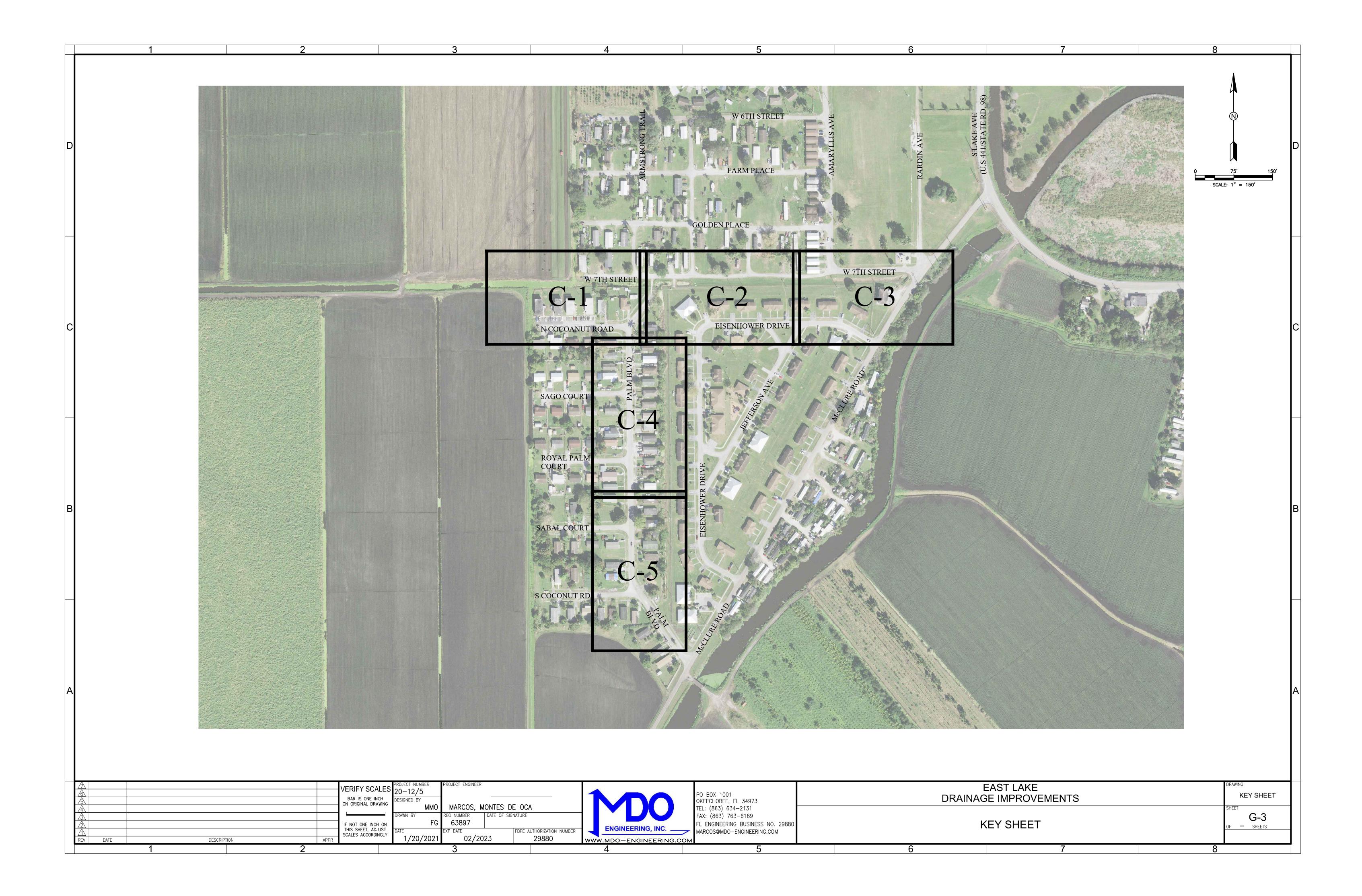


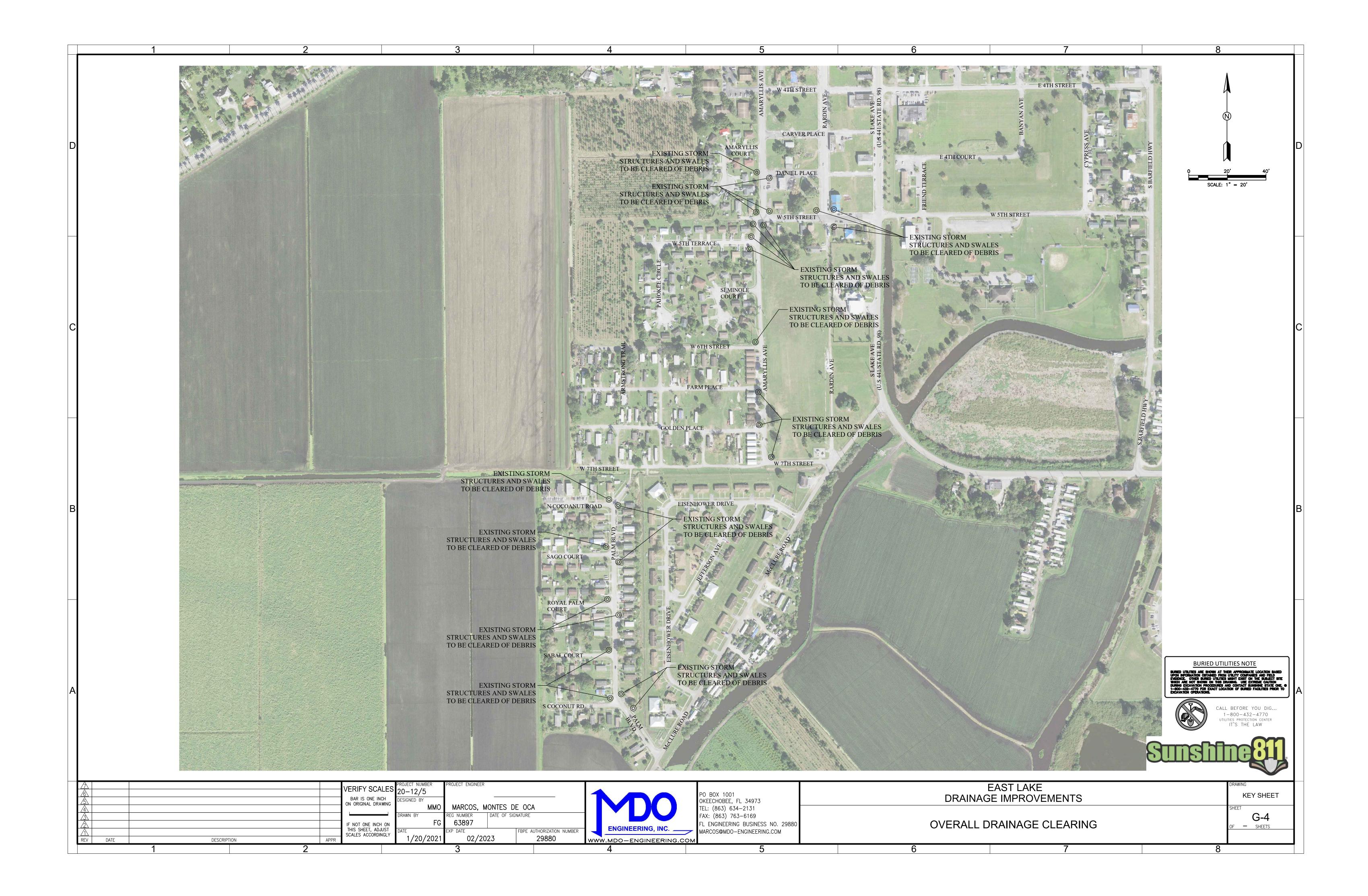


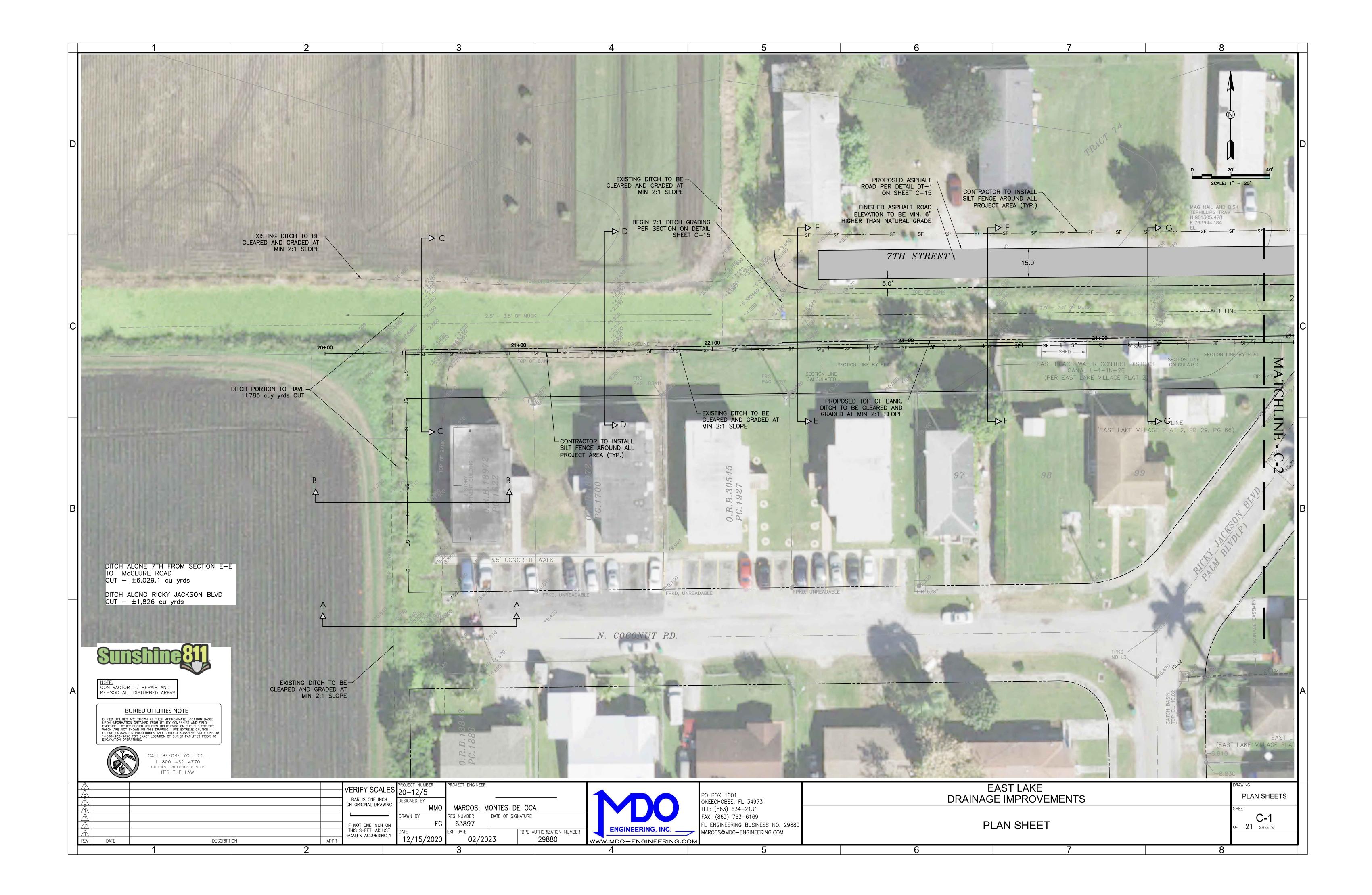


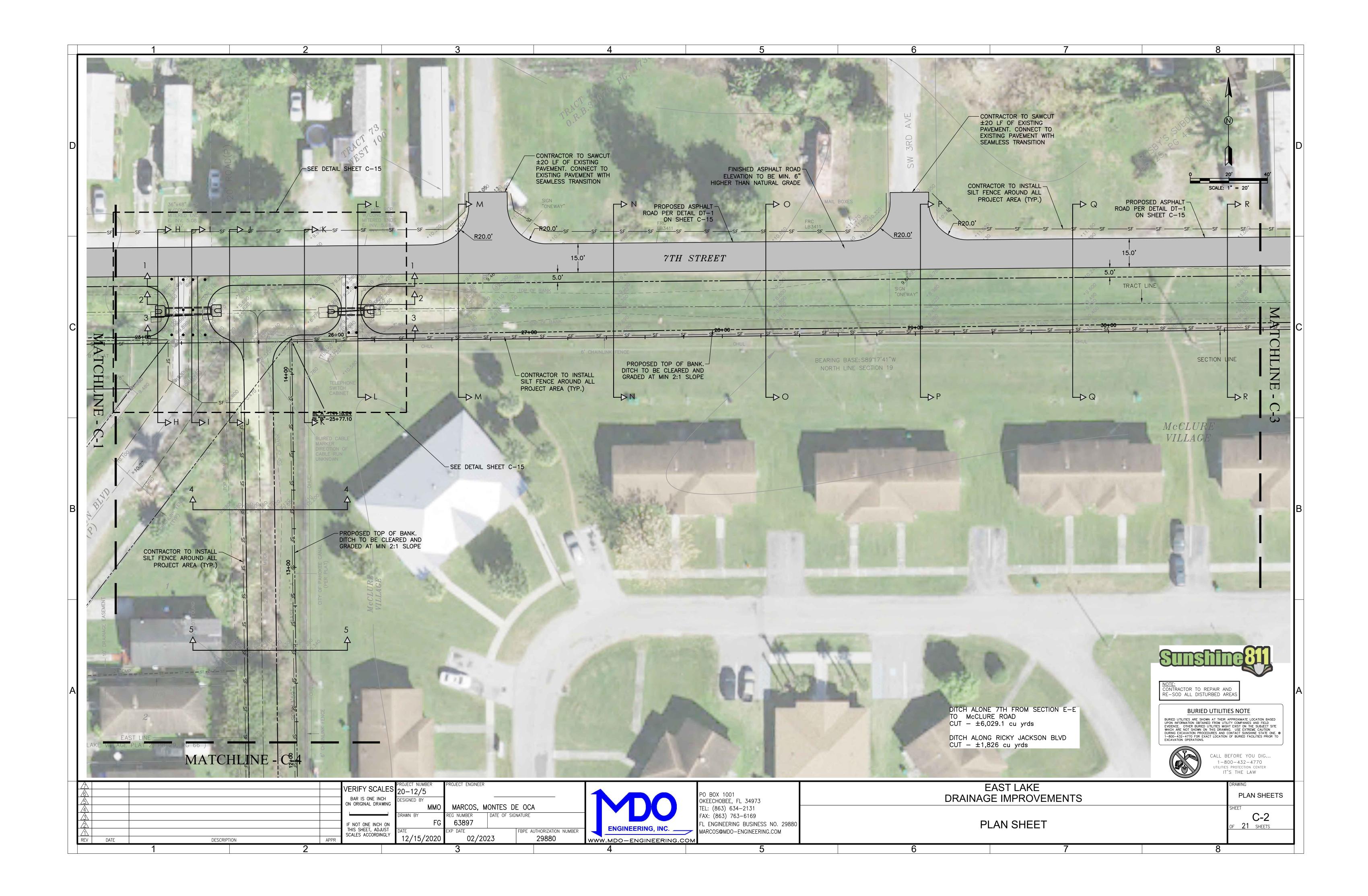
GENERAL NOTES **CLEARING AND SITE PREPARATION NOTES:** Drainage system notes: water system notes: INTO THE PLANS WITHOUT PRIOR WRITTEN CONSENT AND/OR APPROVAL FROM THE OWNER AND ENGINEER. CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH THE NOTES AND SPECIFICATIONS CONTAINED HEREI FDOT STANDARD INDEXES REFER TO THE 2020 EDITION OF F.D.O.T. "ROADWAY AND TRAFFIC DESIGN STANDARDS", 4 ENGINEER IS NOT RESPONSIBLE FOR ANY INJURY OR DAMAGES RESULTING FROM CONTRACTOR'S FAILURE TO BUIL THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE EROSION CONTROL DEVICES. A THESE NOTES SHALL APPLY TO ALL WORK IN THIS SET OF CONSTRUCTION DOCUMENTS. CONTRACTOR SHALL B GOVERNING JURISDICTIONAL PUBLIC WORKS AND/OR UTILITY STANDARDS ARE MINIMUM STANDARDS FOR PUBLIC SHOWN ON THE CONSTRUCTION PLANS, PRIOR TO ANY SITE CLEARING, REFER TO THE "EROSION CONTROL PLAN OR CONSTRUCT IN STRICT ACCORDANCE WITH THE APPROVED PLANS. IF CONTRACTOR AND/OR OWNER FAIL ALL STORM PIPING LOCATED ON PROPERTY AND NOT IN A DEDICATED EASEMENT SHALL BE INSTALLED PER TH RESPONSIBLE TO ENSURE CONFORMANCE TO THESE REQUIREMENTS BY ALL SUBCONTRACTORS. POTABLE WATER. RECLAIMED WATER AND/OR SANITARY SEWER CONSTRUCTION. IF THERE IS A CONFLICT BETWEEN BUILD OR CONSTRUCT IN STRICT ACCORDANCE WITH APPROVED PLANS, THEY AGREE TO JOINTLY AND SEVERALI CONTAINED HEREIN THE CONSTRUCTION DOCUMENT FOR ADDITIONAL REQUIREMENTS. FLORIDA BUILDING CODE - PLUMBING. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES A THOSE REQUIREMENTS AND THOSE LISTED BELOW THE MORE STRINGENT REQUIREMENTS SHALL APPLY. INDEMNIFY AND HOLD ENGINEER HARMLESS FOR ALL INJURIES AND DAMAGES THAT ENGINEER SUFFERS ALL UNLESS OTHERWISE DIRECTED BY THE OWNER OR ENGINEER, THE CONTRACTOR IS EXPECTED TO CONTAIN A SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS. TI PIPE LENGTHS SHOWN ARE APPROXIMATE AND TO CENTER OF DRAINAGE STRUCTURES, WITH THE EXCEPTION O COSTS THAT THE ENGINEER INCURS. SANITARY SEWERS, FORCE MAINS, AND STORM SEWERS SHOULD ALWAYS CROSS UNDERNEATH WATER MAINS. CONSTRUCTION ACTIVITIES WITHIN THE PROPERTY, RIGHT-OF-WAY, AND EASEMENTS AS INDICATED ON T CONTRACTOR SHALL VERIFY THE LOCATIONS, ELEVATIONS, AND DIMENSIONS OF ALL EXISTING UTILITIE MITERED END AND FLARED END SECTIONS, WHICH ARE NOT INCLUDED IN LENGTHS INSTALLATIONS OF SANITARY SEWERS. FORCE MAINS AND STORM SEWERS. AT CROSSINGS OF WATER MAINS, SHALL OWNER MUST MAINTAIN AND PRESERVE ALL PHYSICAL SITE FEATURES AND DESIGN FEATURES DEPICTED ON T DRAWINGS. AT NOT TIME SHALL THE CONTRACTOR DISTURB SURROUNDING PROPERTIES OR TRAVELS STRUCTURES AND OTHER FEATURES. AFFECTING THIS WORK, PRIOR TO CONSTRUCTION AND PRIOR TO PROVIDING A MINIMUM COVER OVER THE DRAINAGE PIPE. INCLUDING COVER OVER THE BELL OF THE PIPE WHERE APPLICABLE BE PERFORMED SO AS TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE INVERT OF THE PLANS AND RELATED DOCUMENTS. IN STRICT ACCORDANCE WITH THE APPROVED PLAN(S) AND DESIGN A COST FOR CONSTRUCTION. CONTRACTOR MUST NOTIFY ENGINEER AND OWNER, IN WRITING, IF ANY CONFLICTS SURROUNDING PROPERTIES WITHOUT WRITTEN PERMISSION FORM THE GOVERNING OWNER. THE CONTRACT SHALL COMPLY WITH FDOT INDEX NO.205. ANY DEVIATION FROM THE PIPE COVER CRITERIA SHOULD BE DISCUSSED UPPER PIPE AND THE CROWN OF THE LOWER PIPE. WHENEVER POSSIBLE, THE CROSSING SHALL BE ARRANGED SO FURTHER, ENGINEER IS NOT RESPONSIBLE FOR ANY FAILURE TO SO MAINTAIN OR PRESERVE SITE AND/OR DESIG SHALL BARE THE RESPONSIBILITY OF ALL COST RELATED TO REPAIRS/RECONSTRUCTION OF DAMAGED AREAS DISCREPANCIES. OR AMBIGUITIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION. NO EXTRA COMPENSATI WITH THE ENGINEER. FEATURES. IF OWNER FAILS TO MAINTAIN AND/OR PRESERVE ALL PHYSICAL SITE FEATURES AND/OR DESIGN THAT THE SEWER JOINTS AND WATER JOINTS SHALL BE EQUIDISTANT FROM THE POINT OF CROSSING WITH NO LES: WILL BE PAID TO THE CONTRACTOR FOR WORK WHICH HAS TO BE REDONE OR REPAIRED DUE TO DIMENSIONS OF SURROUNDING PROPERTIES. FEATURES DEPICTED ON THE PLANS AND RELATED DOCUMENTS, OWNER AGREES TO INDEMNIFY AND HO THAN 10 FEET BETWEEN ANY TWO JOINTS. WHERE SANITARY SEWERS, FORCE MAINS, AND STORM SEWERS MUST GRADES SHOWN INCORRECTLY ON THESE PLANS PRIOR TO CONTRACTOR GIVING ENGINEER AND OWNER WRITTE RCP STORM SEWER PIPE SHALL BE REINFORCED CONCRETE CLASS III (ASTM C-76) UNLESS OTHERWISE INDICATED O PRIOR TO ANY SITE CLEARING ALL TREES SHOWN TO REMAIN AS INDICATED ON THE CONSTRUCTION PLA ENGINEER HARMLESS FOR ALL INJURIES CROSS A WATER MAIN WITH LESS THAN 18 INCHES VERTICAL DISTANCE, BOTH THE SEWER AND THE WATER MAIN THE CONSTRUCTION DOCUMENTS. ROUND CONCRETE PIPE SHALL COMPLY WITH ASTM C76. ELLIPTICAL CONCRET. NOTIFICATION OF SAME AND ENGINEER AND OWNER, THEREAFTER, PROVIDING CONTRACTOR WITH WRITTED SHALL BE PROTECTED IN ACCORDANCE WITH LOCAL TREE ORDINANCES, AND DETAILS CONTAINED IN THES SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE (DIP), AT THE CROSSING, (DIP IS NOT REOUIRED FOR STORM SEWERS PIPE SHALL COMPLY WITH ASTM C507. PIPE JOINTS SHALL COMPLY WITH ASTM C443 AND FDOT SPECIFICATION AUTHORIZATION TO PROCEED WITH SUCH ADDITIONAL WORK AS CONTAINED IN THESE DRAWINGS AND ASSOCIATED APPLICATION DOCUMENTS PREPARED BY THE SIGNATOR PLANS, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THESE TREES IN GOOD CONDITION. SECTION 430. AND RUBBER GASKETS SHALL COMPLY WITH FDOT SPECIFICATION SECTION 942. IF IT IS NOT AVAILABLE IN THE SIZE PROPOSED). SUFFICIENT LENGTHS OF DIP MUST BE USED TO PROVIDE A PROFESSIONAL ENGINEER. THE USE OF THE WORDS CERTIFY OR CERTIFICATION CONSTITUTES AN EXPRESSION O IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE PERMIT INSPECTION AND CERTIFICATIO TREE(S) SHOWN TO REMAIN SHALL BE REMOVED WITHOUT WRITTEN APPROVAL FROM THE OWNER AND THE LOCA MINIMUM SEPARATION OF 10 FEET BETWEEN ANY TWO (2) JOINTS IN LIEU OF DIP. THE SANITARY SEWER MAY BI 'PROFESSIONAL OPINION' REGARDING THE INFORMATION WHICH IS THE SUBJECT OF THE UNDERSIGNE REQUIREMENTS SPECIFIED BY THE VARIOUS GOVERNMENTAL AGENCIES AND THE ENGINEER. THE CONTRACTOR RCP PIPE SHALL NOT BE SHIPPED FROM MANUFACTURER UNTIL THE COMPRESSIVE STRENGTH OF THE PIPE HA AGENCY HAVING JURISDICTION OVER THESE ACTIVITIES. PLACED IN A SLEEVE FOR 20 FEET CENTERED ON THE POINT OF CROSSING, ALL JOINTS ON THE WATER MAIN WITHIN PROFESSIONAL KNOWLEDGE OR BELIEF AND IN ACCORDANCE WITH COMMON ACCEPTED PROCEDURE CONSIST. SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION, AND SCHEDULE INSPECTIONS ACCORDING TO REACHED 4000 PSI AND A MINIMUM OF 5 DAYS HAVE PASSED SINCE THE MANUFACTURING OR REPAIR OF THE PIPE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION STAKE OUT THE CONSTRUCTION, ESTABLISH LINES A 20 FEET OF THE CROSSING MUST BE LEAK FREE, AND MECHANICALLY RESTRAINED. A MINIMUM VERTICAL WITH THE APPLICABLE STANDARDS OF PRACTICE, AND DOES NOT CONSTITUTE A WARRANTY OR GUARANT AGENCY INSTRUCTIONS/REQUIREMENTS HAS BEEN COMPLETED. CLEARANCE OF 6 INCHES MUST BE MAINTAINED AT THE CROSSING. WHERE THERE IS NO ALTERNATIVE TO SEWER LEVELS, TEMPORARY BENCH MARKS, BATTER BOARDS, CENTERLINES, BASELINE AND REFERENCE POINTS FOR TI EITHER EXPRESSED OR IMPLIED. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR MUST COORDINATE THE BUILDING LAYOUT BY CORRUGATED POLYETHYLENE PIPE AND FITTINGS 4 INCH THROUGH 10 INCH DIAMETER SHALL COMPLY WITH PROPOSED WORK AND VERIFY ALL DIMENSIONS RELATING TO THE INTERCONNECTIONS WITH EXISTING FEATURES PIPES CROSSING OVER WATER MAINS. THE CRITERIA FOR MINIMUM SEPARATION OF 18 INCHES BETWEEN LINES. AND UPON THE RECEIPT OF THE "NOTICE TO PROCEED", THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD CAREFUL REVIEW OF THE ENTIRE SITE PLAN AND THE LATEST ARCHITECTURAL PLANS (INCLUDING, BUT NOT AASHTO M252, TYPE S. PIPE 12 INCH THROUGH 48 INCH DIAMETER SHALL COMPLY WITH AASHTO M294, TYPE S. AND ANY INCONSISTENCIES IN THE PROPOSED GRADES, LINES AND LEVELS, DIMENSIONS AND LOCATIONS SHALL 0 FEET BETWEEN JOINTS CENTERED AT THE POINT OF CROSSING SHALL BE REQUIRED. THE WATER MAIN SHALL BI AND ARRANGE A PRE-CONSTRUCTION CONFERENCE TO INCLUDE ALL INVOLVED GOVERNMENTAL AGENCII IMITED TO, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND FIRE SUPPRESSION PLAN, WHER ASTM F2306. PIPE 54 INCH THROUGH 60 INCH DIAMETER SHALL COMPLY WITH FDOT SPECIFICATION SECTION 9-PLACED IN A SLEEVE FOR 20 FEET CENTERED ON THE POINT OF CROSSING. ADEQUATE STRUCTURAL SUPPORT SHALI UTILITY OWNERS, THE OWNER AND THE ENGINEER OF RECORD. APPLICABLE). CONTRACTOR MUST IMMEDIATELY NOTIFY OWNER, ARCHITECT AND SITE ENGINEER, IN WRITING, O (CLASS II PIPE) AND SHALL COMPLY WITH AASHTO M294. BELL JOINTS FOR 4 INCH THROUGH 10 INCH DIAMETER PIPE BE PROVIDED FOR THE SEWER TO PREVENT DAMAGE TO THE WATER MAIN, CROSSINGS SHALL BE ARRANGED SO THE CONTRACTOR SHALL CLEAR AND GRUB ONLY THOSE PORTIONS OF THE SITE NECESSARY FOR CONSTRUCTION ANY CONFLICTS, DISCREPANCIES OR AMBIGUITIES WHICH EXIST. ALL UTILITY EASEMENTS SHALL BE SECURED PRIOR TO CONSTRUCTION (IF REQUIRED) OR IF ALLOWED PRIOR TO SHALL BE PUSH-ON SLEEVE. BELL JOINTS FOR 12 INCH THROUGH 60 INCH DIAMETER PIPE SHALL BE INTEGRALL' THAT THE SEWER PIPE JOINTS AND THE WATER MAIN PIPE JOINTS ARE FOUIDISTANT FROM THE POINT OF CROSSING ALL DISTURBED AREAS MUST BE SODDED WITH BAHIA SOD, UNLESS OTHERWISE NOTED ON PLANS, IMMEDIATEL' CERTIFICATE OF OCCUPANCY. THESE EASEMENTS SHALL BE SKETCHED, DESCRIBED, AND RECORDED AT THE SOL FORMED ON PIPE. PIPE JOINTS SHALL BE WATERTIGHT PER ASTM 03212. GASKETS SHALL BE INSTALLED BY PIP NO EXTRA PAYMENT WILL BE ALLOWED FOR ANY WORK REQUIRED DUE TO MISUNDERSTANDING OF JOB OR SIT (I.E., PIPES CENTERED ON THE CROSSING), WHERE A PROPOSED PIPE CONFLICTS WITH AN EXISTING PIPE. THE FOLLOWING CONSTRUCTION. COST OF THE CONTRACTOR. MANUFACTURER AND SHALL COMPLY WITH ASTM F477 CONDITIONS AFFECTING THE WORK AS DESCRIBED IN THE SPECIFICATIONS OR SHOWN ON THE DRAWINGS. THE PROPOSED PIPE SHALL BE CONSTRUCTED OF DIP, AND THE CROSSING SHALL BE ARRANGED SO AS TO SATISFY THE CONTRACTOR SHALL NOT TAKE
ADVANTAGE OF ANY APPARENT ERROR OR OMISSIONS IN THE DRAWINGS OF ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED AS PER PLANS, THE AREAS SHALL THE POLYETHYLENE PIPE SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321. THE PIPE SHALL BE BACKFILLEI 9. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL FURNISH THE OWNER'S ENGINEER WI REQUIREMENTS IDENTIFIED ABOVE. SPECIFICATIONS, AND THE ENGINEER SHALL BE PERMITTED TO MAKE CORRECTIONS AND INTERPRETATIONS A BE SODDED OR SEEDED AS SPECIFIED IN THE PLANS, FERTILIZED, MULCHED, WATERED AND MAINTAINED UN' COMPLETE "AS-BUILT" INFORMATION, MINIMUM "AS-BUILT" SCOPE HEREIN, CERTIFIED BY A REGISTERED LAN AND COMPACTED EVENLY ON EACH SIDE TO PREVENT DISPLACEMENT. MINIMUM COVER OVER POLYETHYLENE PIP WHEN THE RECLAIMED WATER LINE IS TRANSPORTING WATER FOR PUBLIC ACCESS IRRIGATION: MAY BE DEEMED NECESSARY FOR THE FULFILLMENT OF THE INTENT ON THE CONTRACT DOCUMENTS. T HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS, ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FIN SURVEYOR, NO ENGINEER'S CERTIFICATIONS FOR CERTIFICATE OF OCCUPANCY (C.O.) PURPOSES WILL BE MAD SHALL BE 36 INCHES OR ONE PIPE DIAMETER. WHERE THE BEDDING IS MANUFACTURED AGGREGATES CLASS 1A OI MAXIMUM OBTAINABLE SEPARATION OF RECLAIMED WATER LINES AND DOMESTIC WATER LINES SHALL B TENDERING OF A PROPOSAL WILL ACKNOWLEDGE ACCEPTANCE OF THESE CONDITIONS BY THE BIDDER. ACCEPTANCE OF THE JOB SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNE 1B AS DEFINED IN ASTM 02321 THEN THE MINIMUM COVER SHALL BE 30 INCHES OR ONE PIPE DIAMETER, WHICHEVER UNTIL THIS INFORMATION HAS BEEN RECEIVED AND APPROVED BY THE OWNER'S ENGINEER PRACTICED. A MINIMUM HORIZONTAL SEPARATION OF FIVE FEET (CENTER TO CENTER) OR THREE FEET (OUTSIDE THE ENGINEER IS NOT RESPONSIBLE FOR CONSTRUCTION METHODS. MEANS, TECHNIQUES OR PROCEDURES ALL EARTHEN AREAS WILL BE SODDED OR SEEDED AND MULCHED AS SHOWN ON THE LANDSCAPING PLAN. DEPROTECT BENCHMARKS. PROPERTY CORNERS. AND OTHER SURVEY MONUMENTS FROM DAMAGE TO OUTSIDE) SHALL BE MAINTAINED BETWEEN RECLAIMED WATER LINES AND EITHER POTABLE WATER MAINS GENERALLY OR FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES OR PROCEDURES FOR COMPLETION OF THE TOP 4" TO 6" OF GROUND REMOVED DURING CLEARING AND GRUBBING ACTIVITIES SHALL BE STOCKPILED. LINDERDRAIN PIPE SHALL BE PERFORATED POLYVINYL CHLORIDE PIPE IN ACCORDANCE WITH ASTM F758. FILTER DISPLACEMENT. IF MARKER NEEDS TO BE REMOVED. IT SHALL BE REFERENCED BY LICENSED LAND SURVEYOR AL OR SEWAGE COLLECTION LINES. AN 18 INCH VERTICAL SEPARATION SHALL BE MAINTAINED AT CROSSINGS. THE WORK DEPICTED BOTH ON THESE PLANS, AND FOR ANY CONFLICTS/SCOPE REVISIONS WHICH RESULT FRO BE USED FOR LANDSCAPING PURPOSES, UNLESS OTHERWISE DIRECTED BY THE OWNER. REMAINING EARTHWOR REPLACED AS NECESSARY, BY SAME. FABRIC UNDERDRAIN SOCK SHALL BE TYPE D-3 IN ACCORDANCE WITH FDOT INDEX NO. 199. SAME. CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE METHODS/MEANS FOR COMPLETION OF THE WORK WHEN THE RECLAIMED WATER LINE IS TRANSPORTING WATER FOR NON-PUBLIC ACCESS IRRIGATION: THAT RESULTS FROM CLEARING AND GRUBBING OR SITE EXCAVATION IS TO BE UTILIZED ON-SITE, PROVIDED TI AFTER THE COMPLETION OF CONSTRUCTION. THE CONTRACTOR SHALL PERFORM SITE CLEAN UP OPERTATION F UNDERDRAINS SHALL BE INSTALLED IN ACCORDANCE WITH FDOT SPECIFICATION SECTION 440 AND CLEANOUTS THE RECLAIMED WATER MAIN SHALL BE TREATED LIKE A SANITARY SEWER, AND A 10-FT. HORIZONTAL AND 18 PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. MATERIAL IS DEEMED SUITABLE BY THE OWNER'S SOILS TESTING COMPANY. EXCESS MATERIAL IS TO EITHER E REMOVAL OF ALL TRASH, DEBRIS, EXCESS MATERIAL & EQUIPMENT. IT SHALL BE THE CONTRACTO SHALL BE INSTALLED AS SHOWN ON CONSTRUCTION DOCUMENTS. INCH VERTICAL SEPARATION SHALL BE MAINTAINED BETWEEN THE RECLAIMED WATER MAIN AND ALL EXISTING STOCKPILED ON-SITE, AS DIRECTED BY THE OWNER OR OWNER'S ENGINEER, OR REMOVED FROM THE SITE. THE GEOTECHNICAL REPORT AND RECOMMENDATIONS SET FORTH HEREIN ARE A PART OF THE REQUIRE RESPONSIBILITY TO PRESENT THE SITE CLEAN & IN GOOD ORDER AT THE TIME OF FINAL ACCEPTANCE. RIP-RAP SHALL MEET THE REQUIREMENTS OF FDOT SPECIFICATION SECTION 530 GEOTEXTILE FABRIC AND TURE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ANY PERMITS THAT ARE NECESSARY FOR REMOVIN OR PROPOSED POTABLE WATER MAINS NO MINIMUM SEPARATION IS REQUIRED BETWEEN THE RECLAIMED CONSTRUCTION DOCUMENTS AND, IN CASE OF CONFLICT, DISCREPANCY OR AMBIGUITY, THE MORE STRINGEN ALL EQUIPMENT SHALL BE HANDLED, STORED, INSTALLED, TESTED & OPERATED IN STRICT ACCORDANCE WITH T MAT SHALL MEET THE REQUIREMENTS OF FDOT INDEX 199 & FDOT SPECIFICATIONS SECTION 514 & 985. EXCESS EARTHWORK FROM THE SITE. WATER MAIN AND SANITARY SEWERS, OTHER THAN NECESSARY TO ENSURE STRUCTURAL INTEGRITY AND REOUIREMENTS AND/OR RECOMMENDATIONS CONTAINED IN THE PLANS AND THE GEOTECHNICAL REPORT A APPLICABLE MANUFACTURES WRITTEN INSTRUCTIONS. PROTECTION OF THE LINES THEMSELVES. RECOMMENDATIONS SHALL TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. T STORMWATER ROOF DRAIN LOCATIONS ARE BASED ON PRELIMINARY ARCHITECTURAL PLANS. CONTRACTOR I ANY WELLS DISCOVERED ON SITE THAT WILL HAVE NO USE MUST BE PLUGGED BY A LICENSED WELL DRILLIN CONSULTANT IS NEITHER LIABLE NOR RESPONSIBLE FOR ANY SUBSURFACE CONDITIONS AND FURTHER, SHAI CONTRACTOR MUST NOTIFY THE ENGINEER, IN WRITING, OF ANY SUCH CONFLICT, DISCREPANCY OR AMBIGUIT RESPONSIBLE TO AND FOR VERIFYING LOCATIONS OF SAME BASED ON FINAL ARCHITECTURAL PLANS. A MINIMUM 10 FOOT HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN (INCLUDING FORCE MAINS) AND CONTRACTOR IN A MANNER APPROVED BY ALL JURISDICTIONAL AGENCIES, CONTRACTOR SHALL BE RESPONSIBLE HAVE NO LIABILITY FOR ANY HAZARDOUS MATERIALS, HAZARDOUS SUBSTANCES, OR POLLUTANTS ON, ABOUT BETWEEN THE GEOTECHNICAL REPORTS AND PLANS AND SPECIFICATIONS PRIOR TO PROCEEDING WITH AN EXISTING OR PROPOSED WATER MAINS, IN PARALLEL INSTALLATIONS, WHENEVER POSSIBLE, THE DISTANCE FOR FOR OBTAINING ANY WELL ABANDONMENT PERMITS REQUIRED. ALL PIPE JOINTS SHALL BE WRAPPED WITH FILTER FABRIC, FILTER FABRIC SHALL BE IN ACCORDANCE WITH FDO SEPARATION SHALL BE MEASURED EDGE TO EDGE. IN CASES WHERE IT IS NOT POSSIBLE TO MAINTAIN A 10 FOOT INDEX NO. 199, TYPE D-3, A.O.S. 70-100, INSTALL IN ACCORDANCE WITH FDOT INDEX NO.280, PROVIDE MINIMUM 12' ANY WELL DISCOVERED DURING EARTH MOVING OR EXCAVATION SHALL BE REPORTED TO THE APPROPRIA . CONTRACTORS MUST EXERCISE APPROPRIATE CARE AND PRECISION IN CONSTRUCTION OF ADA (HANDIC HORIZONTAL SEPARATION, THE WATER MAIN MUST BE INSTALLED IN A SEPARATE TRENCH, OR IN AN UNDISTURBE THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON ALL PRE-CAST AND MANUFACTURED ITEMS TO THE OWNER'S JURISDICTIONAL AGENCIES WITHIN 24 HOURS AFTER DISCOVERY IS MADE. ACCESSIBLE COMPONENTS AND ACCESS ROUTES FOR THE SITE. THESE COMPONENTS, AS CONSTRUCTED, MU NGINEER FOR REVIW, PRIOR TO ORDERING. FAILURE TO SUBMIT FOR REVIEW BEFORE INSTALLATION MAY RESU EARTH SHELF, LOCATED ON ONE SIDE OF THE SEWER OR FORCE MAIN, AT SUCH AN ELEVATION THAT THE BOTTOM ALL STORM STRUCTURES ARE TO BE PLACED ON A 12 INCH BED OF CRUSHED STONE OR EQUAL AS APPROVED BY TH COMPLY WITH THE CURRENT LOCAL CODE REQUIREMENTS AS WELL AS STATE BUILDING CODE AND T IN REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE THE ENGINEER WILL REVIEW OR TAKE OTHE ALL CONSTRUCTION DEBRIS AND OTHER WASTE MATERIAL SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTO OF THE WATER MAIN IS AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER LINE, AND WATER AND SEWER JOINTS GOVERNING JURISDICTION AND OR ENTITY AND BE FULLY ENVELOPED WITH FILTER FABRIC. DEPARTMENT OF JUSTICE ADA STANDARDS AND REGULATIONS' BARRIER FREE ACCESS AND ANY MODIFICATION APPROPRIATE ACTION ON THE CONTRACTOR SUBMITTALS, SUCH AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES IN ACCORDANCE WITH APPLICABLE REGULATORY AGENCY REQUIREMENTS. A DUMPSTER OR OTHER CONTAINE SHALL BE STAGGERED. WHERE IT IS NOT POSSIBLE TO MAINTAIN A VERTICAL DISTANCE OF 18 INCHES, IN PARALLEI ALL DRAINAGE STRUCTURES SHALL BE IN ACCORDANCE WITH F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARD AND OTHER DATA. WHICH THE CONTRACTOR IS REQUIRED TO SUBMIT. BUT ONLY FOR THE LIMITED PURPOSE O SUITABLE IN SIZE TO CONTAIN ALL WASTE MATERIAL SHALL BE PROVIDED DURING THE CONSTRUCTION. INSTALLATIONS. THE WATER MAIN SHALL BE CONSTRUCTED OF DIP AND THE SEWER OR FORCE MAIN SHALL BE UNLESS OTHERWISE NOTED ON PLANS CHECKING FOR CONFORMANCE WITH THE DESIGN INTENT AND THE INFORMATION SHOWN IN THE CONSTRUCTION CONSTRUCTED OF DIP (IF AVAILABLE IN THE SIZE PROPOSED). WITH A MINIMUM VERTICAL DISTANCE OF 6 INCHES GRUBBING SHALL CONSIST OF REMOVING AND DISPOSING OF STUMPS ROOTS LARGER THAN 2" IN DIAMETER AN HISTORICAL RESOURCES PRESERVATION NOTES: CONTRACT DOCUMENTS CONSTRUCTION MEANS AND/OR METHODS AND/OR TECHNIQUES OR PROCEDURE ALL DRAINAGE STRUCTURE GRATES AND COVERS SHALL BE TRAFFIC RATED FOR H-20 LOADING UNLESS SPECIFIED THE WATER MAIN SHOULD ALWAYS BE LOCATED ABOVE THE SEWER. JOINTS ON THE WATER MAIN SHALL BE MATTED ROOTS. REMOVE TO A DEPTH OF NOT LESS THAN 18" BELOW THE ORIGINAL SURFACE LEVEL OF T COORDINATION OF THE WORK WITH OTHER TRADES, AND CONSTRUCTION SAFETY PRECAUTIONS ARE THE SOL LOCATED AS FAR APART AS POSSIBLE FROM JOINTS ON THE SEWER OR FORCE MAIN (i.e., STAGGERED JOINTS). IF PREHISTORIC OR HISTORIC ARTIFACTS, SUCH AS POTTERY OR CERAMICS, STONE TOOLS OR METAL IMPLEMENT RESPONSIBILITY OF THE CONTRACTOR AND MDO ENGINEERING HAS NO RESPONSIBILITY OR LIABILITY FOR SAM ALL DIP PIPE SHALL BE MW CLASS 50 OR PRESSURE CLASS 250. REFER TO NOTE #8 BELOW FOR ADDITIONAL DIP OR ANY OTHER PHYSICAL REMAINS THAT COULD BE ASSOCIATED WITH NATIVE AMERICAN CULTURES, OR EAR ALL NEWLY CONSTRUCTED DRY STROMWATER FACILITIES (I.E. SWALES, PONDS, ETC.) SHOWN MUST HAVE THE TOP THE CONTRACTOR IS TO PREPARE THE SITE IN ACCORDANCE WITH THE SOILS REPORT (OWNERS), COPIES OF WHICH HEREUNDER. THE SHOP DRAWING REVIEW WILL BE CONDUCTED WITH REASONABLE PROMPTNESS WHILL COLONIAL OR AMERICAN SETTLEMENT ARE ENCOUNTERED AT ANY
TIME WITHIN THE PROJECT SITE AREA. T INCHES SCARIFIED AFTER FINAL GRADING HAS TAKEN PLACE, BUT PRIOR TO SEEDING OR FINAL SODDING SPECIFICATIONS, ADEOUATE MEASURES AGAINST CORROSION SHALL BE UTILIZED. ALLOWING SUFFICIENT TIME TO PERMIT ADEOUATE REVIEW. REVIEW OF A SPECIFIC ITEM MUST NOT INDICATE THA ARE AVAILABLE THROUGH THE OWNER OR SOILS TESTING COMPANY DIRECTLY PERMITTED PROJECT SHOULD CEASE ALL ACTIVITIES INVOLVING SUBSURFACE DISTURBANCE IN THE IMMEDIA MDO ENGINEERING HAS REVIEWED THE ENTIRE ASSEMBLY OF WHICH THE ITEM IS A COMPONENT. MI ALL UTILITIES SHALL BE INSTALLED WITH COMPLIANCE TO GOVERNING JURISDICTION WATER DISTRICT STANDARD CONSTRUCTION OF THE STORMWATER MANAGEMENT SYSTEM MUST BE COMPLETE AND ALL DISTURBED AREAS POSITIVE DRAINAGE FACILITIES SHALL BE ESTABLISHED PRIOR TO THE CONSTRUCTION OF ANY IMPERVIOU VICINITY OF SUCH DISCOVERIES. THE PERMITTEE, OR OTHER DESIGNEE, SHOULD CONTACT THE FLORII ENGINEERING WILL NOT BE RESPONSIBLE FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS NO STABILIZED IN ACCORDANCE WITH THE PERMITTED PLANS AND CONDITIONS PRIOR TO ANY OF THE FOLLOWING CONSTRUCTION DETAILS AND LAND DEVELOPMENT CODE. SURFACES AND DRAINAGE SHALL BE MAINTAINED DURING THE CONSTRUCTION PROCESS. THE DRAINAGE DEPARTMENT OF THE STATE, DIVISION OF HISTORICAL RESOURCES, REVIEW AND COMPLIANCE SECTION AT (8) PROMPTLY AND IMMEDIATELY BROUGHT TO ITS ATTENTION. IN WRITING, BY THE CONTRACTOR, MDO ENGINEERIN ISSUANCE OF THE FIRST CERTIFICATE OF OCCUPANCY; INITIATION OF INTENDED USE OF THE INFRASTRUCTURE; OR PATTERNS SHALL NOT BE ALTERED UNLESS DENOTED ON THE CONTRACT DOCUMENTS. ALL WATER MAINS SHALL BE INSTALLED WITH A MINIMUM OF 36 INCHES OF COVER WHERE POSSIBLE, 48" MAXIMUM 245-6333 OR (800) 847-7278, AS WELL AS THE APPROPRIATE PERMITTING AGENCY OFFICE. PROJECT ACTIVITI WILL NOT BE REQUIRED TO REVIEW PARTIAL SUBMISSIONS OR THOSE FOR WHICH SUBMISSIONS OF CORRELATI TRANSFER OF RESPONSIBILITY FOR MAINTENANCE OF THE SYSTEM TO A LOCAL GOVERNMENT OR OTHER SHOULD NOT RESUME WITHOUT VERBAL AND/OR WRITTEN AUTHORIZATION FROM THE DIVISION OF HISTORICA COVER UNLESS SPECIFIED OTHERWISE ON THE CONSTRUCTION DOCUMENTS. ITEMS HAVE NOT BEEN RECEIVED. CONTRACTOR MUST ENSURE ALL SOILS SLOPE AWAY FROM THE BUILDING AT A MINIMUM OF ¹/₄" OVER 10 FEET. RESPONSIBLE ENTITY. ALL WATER SERVICE LINES, VALVES AND METERS SHALL BE INSTALLED TO COMPLY WITH APPLICABLE OR GROUND COVER SHALL NOT BE PLACED EVENLY WITH THE FINISHED FLOOR ELEVATION. JEITHER THE PROFESSIONAL ACTIVITIES OF OWNER'S ENGINEER, NOR THE PRESENCE OF AND/OR ITS RELATE ALL STORM WATER SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINE MUNICIPALITY/AGENCY DEPARTMENT STANDARDS AND SPECIFICATIONS. ENTITIES AT A CONSTRUCTION/PROJECT SITE, SHALL RELIEVE THE GENERAL CONTRACTOR OF ITS OBLIGATION IN THE EVENT THAT UNMARKED HUMAN REMAINS ARE ENCOUNTERED DURING PERMITTED ACTIVITIES. ALL WO AREAS SHOULD BE FERTILIZED. WATERED AND RESEEDED AS NEEDED SEEDED AREAS WILL NOT BE ACCEPTED BY Trenching, excavation, and fill: DUTIES AND RESPONSIBILITIES INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCE NO LEAKAGE IS ALLOWED IN EXPOSED PIPING, BURIED PIPING WITH FLANGED, THREADED, OR WELDED JOINTS OR ENGINEER FOR CLEARANCE UNLESS A 1 INCH STAND HAS BEEN ESTABLISHED. IF THE ACCEPTABLE STAND IS NOT SHALL STOP IMMEDIATELY AND THE PROPER AUTHORITIES NOTIFIED IN ACCORDANCE WITH SECT TECHNIQUES OR PROCEDURES NECESSARY FOR PERFORMING, OVERSEEING, SUPERINTENDING AND COORDINATIN BURIED NON POTABLE PIPING IN CONFLICT WITH POTABLE WATER LINES. TESTED SECTIONS OF BURIED PIPING WITH MEET THEN THE AREA DESIGNATED FOR SEED WILL BE SODED AT NO ADDITIONAL COST TO THE OWNER. THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND COMPLIANCE WITH ANY HEALTH OR SAFET THE CONTRACTOR SHALL PERFORM HIS OWN INVESTIGATIONS AND CALCULATIONS AS NECESSARY TO ASSU SLIP-TYPE OR MECHANICAL JOINTS WILL NOT BE ACCEPTED IF IT HAS A LEAKAGE RATE IN EXCESS OF THAT RATE PRIOR TO INSPECTIONS AND TESTING ALL INSTALLED LINES AND STRUCTURES MUST BE CLEANED PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES WITH JURISDICTION OVER THE PROJECT AND/OR IF DURING CONSTRUCTION ACTIVITIES ANY EVIDENCE OF THE PRESENCE OF STATE AND/OR FEDERALLY PROTECT. HIMSELF OF EARTHWORK QUANTITIES. THERE IS NO IMPLICATION THAT EARTHWORK BALANCES AND THE DETERMINED BY THE FORMULA LISTED HEREIN THE WATER TESTING SECTION. PROPERTY. THE OWNERS ENGINEER AND ITS PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVE TESTING AND INSPECTION REQUIREMENTS (DRAINAGE): PLANT AND/OR ANIMAL SPECIES OR THOSE LISTED AS THREATENED. ENDANGERED OR OF SPECIAL CONCERN CONTRACTOR SHALL BE RESPONSIBLE FOR ANY IMPORT FILL NEEDED. EXCESS FILL MATERIALS SHALL I THRUST BLOCKING SHALL BE PROVIDED AT ALL FITTINGS AND HYDRANTS, IN ACCORDANCE WITH APPLICABLE ANY CONSTRUCTION CONTRACTOR OR ITS EMPLOYEES IN CONNECTION WITH THEIR WORK OR ANY HEALTH OF DISCOVERED OR OBSERVED. WORK SHALL COME TO AN IMMEDIATE STOP AND THE DEVELOPER, OWNER, OR AGE REMOVED FROM THE SITE BY THE CONTRACTOR. THE STORM DRAINAGE PIPING AND STORM WATER POND SYSTEM SHALL BE SUBJECT TO A VISUAL INSPECTION B' SAFETY PROGRAMS OR PROCEDURES. THE GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SITE SAFETY. THEREOF SHALL NOTIFY THE FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION (FFWCC), THE U.S. FIS THE CONTRACTOR SHALL RECOGNIZE AND ABIDE BY ALL OSHA EXCAVATION SAFETY STANDARDS. INCLUDING TI THE OWNER'S ENGINEER PRIOR TO THE PLACEMENT OF BACKFILL. CONTRACTOR TO NOTIFY THE ENGINEER 4 AND WILDLIFE SERVICE (USFWS) AND CITY/COUNTY AUTHORITIES WITHIN 24 HOURS OF THE PLANT AND/OR ANIM. ALL DUCTILE IRON PIPE SHALL BE MANUFACTURED IN ACCORDANCE WITH THE LATEST EDITION OF AWWA ALL CONTRACTORS MUST CARRY THE SPECIFIED STATUTORY WORKER'S COMPENSATION INSURANCE, EMPLOYER' FLORIDA TRENCH SAFETY ACT (FS 553.60-553.64), ANY MATERIAL, CONSTRUCTION METHODS, OR MATERIAL COST T HOURS IN ADVANCE TO SCHEDULE INSPECTION. C151/A21.51. PIPE SHALL BE FURNISHED IN 18 OR 20 FOOT SECTIONS, PIPE THICKNESS SHALL BE CLASS 50, UNLESS LIABILITY INSURANCE AND LIMITS OF COMMERCIAL GENERAL LIABILITY INSURANCE (CGL), ALL CONTRACTOR COMPLY WITH THESE LAWS SHALL BE INCIDENTAL TO THE CONTRACT. THE ENGINEER RESERVES THE RIGHT TO HAVE ALL DRY STORM WATER FEATURES TESTED BY AN APPROVED SOIL MUST HAVE THEIR CGL POLICIES ENDORSED TO NAME THOMAS ENGINEERING, AND ITS SUB-CONSULTANTS A OTHERWISE SPECIFIED. <u>DEMOLITION NOTES:</u> DURING THE EXCAVATION/TRENCHING PROCESS IF GROUNDWATER IS ENCOUNTERED, THE CONTRACTOR SHAL ENGINEER TO ENSURE INFILTRATION RATES ARE WITHIN DESIGN PARAMETERS REFER TO AS-BUILT REQUIREMEN ADDITIONAL NAMED INSURERS AND TO PROVIDE CONTRACTUAL LIABILITY COVERAGE SUFFICIENT TO INSURE T ALL PIPE, PIPE FITTINGS, PIPE JOINT PACKING AND JOINTING MATERIALS, VALVES, FIRE HYDRANTS, AND METERS HOLD HARMLESS AND INDEMNITY OBLIGATIONS ASSUMED BY THE CONTRACTORS. ALL CONTRACTORS MUS FOLLOW THE DEWATERING NOTES HERE WITHIN. THE DEMOLITION PLAN IS INTENDED TO PROVIDE GENERAL INFORMATION ONLY, REGARDING ITEMS TO BE INSTALLED UNDER THIS PROJECT SHALL CONFORM TO APPLICABLE AWWA STANDARDS. FURNISH THOMAS ENGINEERING WITH CERTIFICATIONS OF INSURANCE AS EVIDENCE OF THE REOUIRED INSURANC DEMOLISHED AND/OR REMOVED AND MAY NOT BE ALL INCLUSIVE. THE CONTRACTOR MUST REVIEW THE OTHER DENSITIES AT UTILITY AND STORM STRUCTURES (INLET/MANHOLES WITHIN ROADWAY TO 3' IN BACK OF CURE ROUGH EXCAVATE AND GRADE ANY PROPOSED STORMWATER PONDS AT THE START OF SITE GRADING ACTIVITI ALL PIPE AND PIPE FITTINGS INSTALLED UNDER THIS PROJECT SHALL BE COLOR CODED OR MARKED IN PRIOR TO COMMENCING WORK AND UPON RENEWAL OF EACH POLICY DURING THE ENTIRE PERIOD O SITE PLAN DRAWINGS AND INCLUDE IN DEMOLITION ACTIVITIES ALL INCIDENTAL WORK NECESSARY FOR THE SHALL BE 98% WITHIN PAVEMENT AREAS, AND A DENSITY OF 95% FOR STRUCTURES OUTSIDE PAVED AREAS PER SITE RUNOFF SHALL BE DIRECTED TO THE PONDS TO MINIMIZE RUNOFF TO OFFSITE AREAS. CONSTRUCTION. IN ADDITION, ALL CONTRACTORS WILL. TO THE FULLEST EXTENT PERMITTED BY LAW, INDEMNIF ACCORDANCE WITH FDEP SUBPARAGRAPH 62-555.320(21) (b) 3, F.A.C., USING BLUE AS A PREDOMINATE COLOR. CONSTRUCTION OF THE NEW SITE IMPROVEMENTS. AASHT0-180 (MODIFIED) IS REQUIRED. POND CONSTRUCTION SHALL RESULT IN THE FINISHED POND HAVING SIDE SLOPES AND DIMENSIONS THAT ARE AND HOLD HARMLESS THOMAS ENGINEERING AND ITS SUB-CONSULTANTS FROM AND AGAINST ANY DAMAGI ALL WATER AND REUSE MAINS SHALL BE ALLOWED TO DEFLECT PER MANUFACTURERS SPECIFICATIONS. CONTRACTOR MUST RAISE ANY OUESTIONS CONCERNING THE ACCURACY OR INTENT OF THESE PLANS OF THE CONTRACTOR SHALL MAINTAIN AND PROTECT FROM MUD, DIRT, DEBRIS, ETC. THE STORM DRAINAGE SYSTEM ACCORDANCE WITH THE CONSTRUCTION DRAWINGS. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO ENSUR LIABILITIES OR COSTS, INCLUDING REASONABLE ATTORNEYS' FEES AND DEFENSE COSTS, ARISING OUT OF OR II UNTIL FINAL ACCEPTANCE OF THE PROJECT. THE STORM SYSTEM WILL BE REINSPECTED BY THE OWNERS ENGINEER ALL ON-SITE FIRE HYDRANTS SHALL BE PAINTED WITH HIGH GRADE ENAMEL FEDERAL, COLOR SHALL COMPLY WITH SPECIFICATIONS. CONCERNS REGARDING THE APPLICABLE SAFETY STANDARDS. OR THE SAFETY OF THI THAT THESE REQUIREMENTS HAVE BEEN MET. IF THE CONSTRUCTED SIDE SLOPES ARE STEEPER THAN T ANY WAY CONNECTED WITH THE PROJECT, INCLUDING ALL CLAIMS BY EMPLOYEES OF THE CONTRACTORS. CONTRACTOR OR THIRD PARTIES IN PERFORMING THE WORK ON THIS PROJECT, WITH THE OWNER OR THE OWNERS PRIOR TO APPROVAL FOR CERTIFICATE OF OCCUPANCY PURPOSES. THE CONTRACTOR MAY BE REQUIRED TO APPLICABLE UTILITY HAVING JURISDICTION, AND BE OSHA APPROVED, AND MUST BE LOCATED A MINIMUM OF 6 REQUIRED SIDE SLOPES, OR THE POND VOLUME IS NOT WITHIN THREE (3) PERCENT OF THE DESIGN VOLUME, TH ALL UTILITY SERVICE STUB-OUTS (WATER, SANITARY SEWER, ETC.) ARE TO BE INSTALLED TO WITHIN 5' OF RECLEAN PIPES AND INLETS FOR THESE PURPOSES IGINEER, IN WRITING, AND RESPONDED TO BY THE OWNER OR THE OWNERS ENGINEER, IN WRITING, PRIOR TO TH CONTRACTOR MAY BE REQUIRED TO MAKE CORRECTIONS
TO THE POND AT NO ADDITIONAL COST TO THE OWNER. FEET FROM THE EDGE OF PAVEMENT OR BACK OF CURB. OTHERWISE BOLLARDS WILL BE REQUIRED FOR BUILDING(S), UNLESS OTHERWISE NOTED ON PLANS. INITIATION OF ANY SITE ACTIVITY AND ANY DEMOLITION ACTIVITY ALL DEMOLITION ACTIVITIES MUST B AS REQUIRED BY THE OWNER ALL STORM PIPE SHALL BE SUBJECTED TO LEAKAGE TESTING. WHEN THE PROTECTION ALL FIRE HYDRANTS SHALL COMPLY WITH AWWA STANDARDS C502-80 THEREOF, CONTRACTOR TO IT IS INTENDED THAT PREVIOUSLY EXCAVATED MATERIALS CONFORMING TO THE FOLLOWING REQUIREMENTS PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THESE PLANS AND SPECIFICATIONS AND AL THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN AREAS OF BURIED UTILITIES AND SHALL CAL GROUNDWATER LEVEL IS ABOVE THE TOP OF THE PIPE, AN INFILTRATION TEST SI-IALL BE PERFORMED BY SEALING INSTALL TEMPORARY BLOWOFFS. AT THE END(S) OF PROPOSED WATER MAINS AND SERVICE LATERALS T UTILIZED WHEREVER POSSIBLE. 'SUNSHINE" AT 1-800-432-4770. AT LEAST 48 HOURS PRIOR TO CONSTRUCTION, TO ARRANGE FOR FIELD LOCATIONS (APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, RULES, REQUIREMENTS, STATUTES, ORDINANCES AND OFF A LENGTH OF PIPE AND MEASURING THE DEPTH OF FLOW OVER A MEASURING WEIR OR BY PUMPING TH BUILDING(S) TO ASSURE ADEOUATE FLUSHING AND DISINFECTION/CHLORINATION. A. ACCEPTABLE MATERIALS: AASHTO M145 CLASSIFICATION A-1, A-3, A-2-4, A-2-6: ASTM D2487 CLASSIFICATION G INFILTRATED WATER INTO CONTAINERS FOR MEASUREMENT. TESTS SHALL BE CONDUCTED FOR A MINIMUM OF ALL WATER MAINS SHALL BE PRESSURE TESTED IN ACCORDANCE WITH AWWA MANUAL M23, CONCERNING GP, GM, SM, SW, SP; UNLESS OTHERWISE DISAPPROVED WITHIN THE GEOTECHNICAL REPORT OR BY TI PRIOR TO STARTING ANY DEMOLITION CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL EROSION CONTRO FOUR HOURS INFILTRATION LEAKAGE SHALL NOT EXCEED 150 GALLONS PER 24 HOURS PER INCH DIAMETER PER CONTRACTOR TO COORDINATE WITH THE APPLICABLE ELECTRIC UTILITY SUPPLIER REGARDING ANY NECESSARY HYDROSTATIC TESTING OF PVC PIPING. OFF-SITE UTILITIES HYDROSTATIC TESTING TO BE WITNESSED BY A GEOTECHNICAL ENGINEER. NO MORE THAN 12% OF ACCEPTABLE MATERIALS SHALL PASS THE NUMBER 20 RELOCATION(S) OF UNDERGROUND AND/OR OVERHEAD ELECTRIC FACILITIES. AND FOR THE LOCATION AND DEVICES PER THE SWPPP CONTAINED WITHIN THESE CONSTRUCTION DOCUMENTS AND OBTAINING ALL REQUIRE MILE OF PIPE. WHEN THE GROUNDWATER LEVEL IS BELOW THE TOP OF THE PIPE, THE PIPE SHALL BE TESTED FOR GOVERNING JURISDICTIONAL WATER DISTRICT DEPARTMENT INSPECTOR. PERMITS AND MAINTAINING THE SAME ON SITE FOR REVIEW BY THE ENGINEER AND OTHER PUBLIC AGENCIE LEAKAGE BY EXFILTRATION. EXFILTRATION LEAKAGE TEST SHALL CONSIST OF ISOLATING THE PARTICULAR INSTALLATION OF TRANSFORMER PAD(S) AND ASSOCIATED ELECTRIC FACILITIES. 5. ALL WATER MAINS SHALL BE STERILIZED IN ACCORDANCE WITH THE APPLICABLE SECTION OF THE LATEST AWWA HAVING JURISDICTION THROUGHOUT THE DURATION OF THE PROJECT, SITE WORK AND DEMOLITION WORK. B. UNACCEPTABLE MATERIALS: AASHTO M145 CLASSIFICATION A-2-5, A-2-7, A-4, A-5, A-6, A-7, A-8; ASTM D246 SECTION, FILLING IT WITH WATER TO A POINT 4 FEET ABOVE THE TOP OF THE PIPE AT THE UPPER MANHOLE OR INLET, AND ALLOWING IT TO STAND FOR NO LESS THAN FOUR HOURS. THE SECTION SHALL THEN BE REFILLED WIT SPECIFICATION C651 AND GOVERNING JURISDICTIONAL WATER DISTRICT UTILITIES OPERATION MANUAL SITE DEMOLITION SHALL BE CONDUCTED IN SUCH A MANNER THAT OPERATIONS WILL HAVE MINIMAL UTILITIES A MINIMUM OF TWO (2) & A MAXIMUM OF FIVE (5) WORKING DAYS PRIOR TO EXCAVATING. DRAWING WATER UP TO THE ORIGINAL LEVEL AND AFTER TWO HOURS THE DROP IN WATER SURFACE SHALL BE MEASURED. REPORT OR BY THE GEOTECHNICAL ENGINEER. ALL PVC WATER MAIN, 4" TO 12" DIAMETER PIPING, SHALL CONFORM TO AWWA C900 (DR 18) STANDARI SHOW ONLY THE APPROXIMATE LOCATION OF GAS MAINS (IF ANY ARE PRESENT), AND DO NOT SHOW SERVICE INTERFERENCE WITH ROADS STREETS WALKS AND OTHER ADJACENT OCCUPIED OR USED FACILITIES. DO NOT THE COMPUTED LEAKAGE SHALL NOT EXCEED 150 GALLONS PER INCH DIAMETER, PER 24 HOURS, PER MILE OF PIPE. CLOSE OR OBSTRUCT STREET, WALKS OR OTHER OCCUPIED OR USED FACILITIES WITHOUT WRITTEN PERMISSION PROVIDE BARRIERS, WARNING LIGHTS AND OTHER PROTECTIVE DEVICES AT ALL EXCAVATIONS. SPECIFICATIONS, PRESSURE CLASS 150 PSI. ALL PVC WATER MAIN PIPING LESS THAN 4" DIAMETER SHALL BI LINES. THE ONLY SAFE AND PROPER WAY TO LOCATE EITHER MAINS OR SERVICE LINES IS BY AN ON-SIT FROM AUTHORITIES HAVING JURISDICTION OVER SAID PROPERTY SCHEDULE 80, PRESSURE CLASS 200 PSI INSPECTION BY GAS SYSTEM PERSONNEL THEREFORE. THE COMPANY PERFORMING THE EXCAVATION WORK I SIDEWALKS, ROADS, STREETS, AND PAVEMENTS SHALL NOT BE BLOCKED OR OBSTRUCTED BY EXCAVATEI GENERAL FIRE PROTECTION NOTES: INSTRUCTED TO CALL SUNSHINE ONE CALL AT 1-800-432-4770 AT LEAST TWO (2) & A MAXIMUM OF FIVE (5) WORKING MATERIALS, EXCEPT AS AUTHORIZED BY THE ENGINEER, IN WHICH CASE ADEQUATE TEMPORARY PROVISION ALL PVC WATER MAINS LESS THAN 4 INCHES SHALL BE IN ACCORDANCE WITH ASTM (SCHEDULE 40, 80, 120) OR ASTM ALL EXISTING ITEMS TO REMAIN MUST BE PROTECTED IN SUCH A MANNER AS TO PREVENT DAMAGE. DAYS BEFORE DIGGING THE CONSTRUCTION AREA. NO MACHINE EXCAVATION SHALL BE PERFORMED WITHIN FIVE MUST BE MADE FOR SATISFACTORY TEMPORARY PASSAGE OF PEDESTRIANS, AND VEHICLES. MINIMIZ 2241 SDR 21 (200 PSI). THREADED PIPE AND FITTINGS SHALL BE SCHEDULE 80 AND CONFORM TO ASTM D2464. ALL DAMAGED IMPROVEMENTS MUST BE RESTORED TO THEIR ORIGINAL CONDITION, OR BETTER, AS ACCEPTABLE FIRE LINES SHALL BE INSTALLED BY A CONTRACTOR, DULY LICENSED BY THE STATE OF FLORIDA FIRE MARSHAL FEET OF A GAS MAIN WITHOUT THE UTILITY OWNERS PRESENCE. WORKING DAYS EXCLUDE SATURDAYS, SUNDAYS INCONVENIENCE TO PUBLIC TRAVEL OR TO TENANTS OCCUPYING ADJOINING PROPERTY. UNTHREADED PIPE AND FITTINGS SHALL BE SCHEDULE 40 WITH SOLVENT-CEMENTED JOINTS. CEMENTED JOINTS. OFFICE. CONTRACTOR TO VERIFY REQUIREMENTS PRIOR TO CONSTRUCTION OF THE FIRE PROTECTION SYSTEM & LEGAL HOLIDAYS. AND FITTINGS SHALL COMPLY WITH ASTM D2466 AND D2855 FURNISH, INSTALL, AND MAINTAIN, WITHOUT ADDITIONAL COMPENSATION, SHEETING, BRACING, AND SHORIN STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES MUST BE PROTECTED FROM DAMAGED . ALL FIRE PROTECTION SHALL MEET THE REOUIREMENTS OF THE APPLICABLE MUNICIPALITY OR COUNTY AND N.F.F THE ENGINEER OF RECORD DESIGN ENGINEER OR OWNER'S ENGINEER HAS NO CONTRACTIVAL LEGAL OR OTHER SUPPORT REQUIRED TO KEEP EXCAVATIONS WITHIN THE PROPERTY OR EASEMENTS PROVIDED, TO SUPPORT TI ALL PVC WATER MAINS 2" OR LESS SHALL BE SDR21 (200 PSI) UNLESS OTHERWISE NOTED. CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT AND OTHER HAZARDS CREATED BY 24 WHICH REGULATES THE CONSTRUCTION AND TESTING OF SUCH LINES. RESPONSIBILITY FOR JOB SITE SAFETY OR JOB SITE SUPERVISION, OR ANYTHING RELATED TO SAME. THE BELOW SIDES OF THE EXCAVATION, AND TO PREVENT ANY MOVEMENT WHICH MAY DAMAGE ADJACENT PAVEMENTS OF ARE SAFETY GUIDELINES AND ARE NOT ALL ENCOMPASSING DEMOLITION OPERATIONS . COMBUSTIBLE CONSTRUCTION CANNOT OCCUR UNTIL PROPER DOCUMENTATION HAS BEEN SUBMITTED TO TI POLYETHYLENE PIPE AND TUBING USED FOR SERVICE LINES 1/2" - 3" SHALL BE POLYETHYLENE IN ACCORDANCE WITH STRUCTURES, DAMAGE OR DELAY THE WORK, OR ENDANGER LIFE AND HEALTH. VOIDS OUTSIDE THE SUPPORT LOCAL FIRE MARSHAL. DOCUMENTATION SHALL SHOW THAT HYDRANTS HAVE BEEN INSTALLED, TESTED, AND ARE IN AWWA C901, STANDARD CODE DESIGNATION PE 4710, SDR 9 (OUTSIDE DIAMETER BASED DIMENSION RATIO), 250 PS N THE ARSENCE OF SPECIFICATIONS THE CONTRACTOR SHALL PERFORM FARTH MOVEMENT ACTIVITIE A.DURING THE CONSTRUCTION AND/OR MAINTENANCE OF THIS PROJECT, ALL SAFETY REGULATIONS ARE TO B SHALL BE IMMEDIATELY FILLED AND COMPACTED. PIPE SHALL BE COLOR CODED BLUE (POTABLE WATER) OR PURPLE (RECLAIMED WATER), PIPE AND FITTINGS SHALL DEMOLITION AND REMOVAL OF ALL FOUNDATION WALLS, FOOTINGS, AND OTHER MATERIALS WITHIN THE LIMIT PROPER WORKING ORDER. ENFORCED. THE CONTRACTOR OR HIS REPRESENTATIVE SHALL BE RESPONSIBLE FOR THE CONTROL AND SAFETY OF DISTURBANCE IN ACCORDANCE WITH DIRECTION BY OWNER'S STRUCTURAL OR GEOTECHNICAL ENGINEER. SHEETING, SHORING, AND BRACING USED FOR THE SUPPORT OF EXCAVATIONS OVER 20 FEET DEEP SHALL BE NSF APPROVED FOR THE USAGE TO WHICH THEY ARE TO BE APPLIED. JOINTS IN SDR-PR PE PIPE SHALL BE BUT OF THE TRAVELING PUBLIC AND THE SAFETY OF HIS/HER PERSONNEL . ALL FIRE LINE PIPING FROM POINT OF SERVICE AS DEFINED BY FS 633.021(16) SHALL BE C900 DR 14 AND HAVE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED BY THE STATE OF FLORIDA. THIS WILL BE PROVIDED FOR A HEAT FUSION OR SOCKET HEAT FUSION TYPE, FITTINGS SHALL BE MANUFACTURED OF THE SAME MATERIAL AS THE B.LABOR SAFETY REGULATIONS SHALL CONFORM TO THE PROVISIONS SET FORTH BY OSHA IN THE FEDERA MINIMUM OF 36 INCHES OF COVER. THE FIRE LINE SHALL BE PRESSURE TESTED TO 200 PSI FOR A MINIMUM OF TWO EXPLOSIVES SHALL NOT BE USED WITHOUT PRIOR WRITTEN CONSENT OF BOTH THE OWNER AND APPLICABLE THE CONTRACTORS EXPENSE AND THE FINAL DESIGN SHALL BE PROVIDED TO THE SITE ENGINEER FOR RECORD. PIPE AND SHALL BE OF THE SAME SDR OR LESS. PROVIDE ADAPTERS AS REQUIRED TO JOIN PE PIPE TO PIPE, FITTINGS GOVERNMENTAL AUTHORITIES. ALL THE REQUIRED PERMITS AND EXPLOSIVE CONTROL MEASURES THAT ARE REGISTER OF THE DEPARTMENT OF TRANSPORTATION. HOURS, TESTED IN ACCORDANCE WITH NFPA 24-9-2. AND FOLIPMENT OF OTHER MATERIALS ALL EXCAVATIONS SHALL BE MADE BY OPEN CUT UNLESS OTHERWISE INDICATED. SLOPE SIDES OF TRENCHES I C.THE MINIMUM STANDARDS AS SET FORTH IN THE CURRENT EDITION OF "THE STATE OF FLORIDA, MANUAL O REQUIRED BY THE FEDERAL STATE AND LOCAL GOVERNMENTS SHALL BE IN PLACE PRIOR TO STARTING AN THE CONTRACTOR INSTALLING THE LINDERGROUND FIRE PROTECTION PIPING TO ONE FOOT ABOVE FINISHED GRAI ACCORDANCE WITH OSHA REOUIREMENTS AND THE RECOMMENDATIONS CONTAINED WITHIN THE PROJECT TRAFFIC CONTROL AND SAFE PRACTICES FOR STREET AND HIGHWAY CONSTRUCTION. MAINTENANCE AN EXPLOSIVE PROGRAM. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ALL INSPECTION AND SEISMIC VIBRATION ALL PVC
WATER MAINS SHALL HAVE A SUITABLE MAGNETIC LOCATOR TAPE BURIED OVER THE WATER MAIN. SHALL HOLD A CLASS I, II, OR LEVEL V CERTIFICATION AS ISSUED BY THE STATE OF FLORIDA, AS REQUIRED BY I TESTING THAT IS REQUIRED TO MONITOR THE EFFECTS ON ALL LOCAL STRUCTURES. GEOTECHNICAL REPORT. UTILITY OPERATIONS" SHALL BE FOLLOWED IN THE DESIGN, APPLICATION, INSTALLATION, MAINTENANCE AN BURIED NO LESS THAN 18 INCHES ABOVE MAIN LINES. THE TAPE SHALL BE AT LEAST 5-1/2 MILS THICK, 2 INCH REMOVAL OF ALL TRAFFIC CONTROL DEVICES, WARNING DEVICES AND BARRIERS NECESSARY TO PROTECT TH MINIMUM WIDTH, AND MADE WITH AN ALUMINUM MATERIAL SANDWICHED BETWEEN 2 LAYERS OF POLYETHYLENE USE DUST CONTROL MEASURES TO LIMIT AIRBORNE DUST AND DIRT RISING AND SCATTERING IN THE AIR IS EXCAVATE TRENCHES TO DEPTH INDICATED OR REQUIRED FOR INDICATED FLOW LINES AND INVERT ELEVATION 5. FIRE PROTECTION SYSTEM MAINS ON PRIVATE PROPERTY SHALL MEET THE REQUIREMENTS AND SHALL BE PUBLIC AND CONSTRUCTION PERSONNEL FROM HAZARDS WITHIN THE PROJECT LIMITS. IT SHALL HAVE IMPRINTED, IN PERMANENT BLACK INK WITH ONE INCH TALL LETTERS, "CAUTION: WATER LINE ACCORDANCE WITH FEDERAL, STATE, AND/OR LOCAL STANDARDS. AFTER THE DEMOLITION IS COMPLETE, OVER EXCAVATE TRENCHES A MINIMUM OF 2 FEET WHERE EXCAVATIONS OCCUR WITHIN UNSUITABLE SOILS, ANI INSTALLED PER N.F.P.A 24. ALL FIRE PROTECTION SPRINKLER SYSTEMS INSTALLED SHALL COMPLY WITH NFPA 13, AN D.ALL TRAFFIC CONTROL MARKINGS AND DEVICES SHALL CONFORM TO THE PROVISIONS SET FORTH IN THE BURIED BELOW", ON BLUE BACKGROUND. THE TAPE SHALL BE CONTINUOUS BETWEEN VALVES, AND SECURED TO ADJACENT STRUCTURES AND IMPROVEMENTS SHALL BE CLEANED OF ALL DUST AND DEBRIS CAUSED BY TH REPLACE OVER EXCAVATED MATERIAL WITH SUITABLE SOILS. SHALL BE MONITORED BY A COMPANY LISTED AS A CENTRAL STATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES PREPARED BY THE U.S. DEPARTMENT OF TRANSPORTATION EACH VALVE. WHERE OTHER LINES OR SERVICE LINES JOIN THE WATER MAIN THE TAPE USED FOR DETECTION OF DEMOLITION OPERATIONS. THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL ADJACENT AREAS TO THEIR EXCEPT AS OTHERWISE INDICATED, EXCAVATE FOR PRESSURE PIPING SO TOP OF PIPING IS MINIMUM 3 FEET BELO' . HYDRANTS SHALL CONFORM TO AWWA C502 AND SHALL BE FURNISHED COMPLETE WITH WRENCH AND OTH FEDERAL HIGHWAY ADMINISTRATION. THESE LINES SHALL BE SECURED TO THE MAIN LINE TAPE. "PRE-DEMOLITION" CONDITION E. ALL SUBSURFACE CONSTRUCTION SHALL COMPLY WITH THE "TRENCH SAFETY ACT". THE CONTRACTOR SHAL APPURTENANCES. MANUFACTURER'S CERTIFICATION OF COMPLIANCE WITH AWWA C502 AND TESTS LISTED THERE ALL WATER MAIN INSTALLATIONS SHALL COMPLY WITH COLOR CODING REQUIREMENTS OF CHAPTER 62-555.320, CONTRACTOR IS RESPONSIBLE TO SAFEGUARD SITE AS NECESSARY TO PERFORM THE DEMOLITION IN SUCH INSURE THAT THE METHOD OF TRENCH PROTECTION AND CONSTRUCTION IS IN COMPLIANCE WITH THE TRENCH BOTTOMS AND THE BOTTOMS OF ALL STRUCTURES SHALL BE KEPT DRY, COMPACTED, AND STABLE TO MANNER AS TO PREVENT THE ENTRY OF UNAUTHORIZED PERSONS AT ANY TIME. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS. DEPTH TWO FEET BELOW THE BOTTOM OF THE TRENCH OR STRUCTURE. . ALL HYDRANTS SHALL BE OF BREAKABLE TYPE. WITH THE BREAKABLE SECTION LOCATED SLIGHTLY ABOVE T DEBRIS SHALL NOT BE BURIED ON THE SUBJECT SITE. ALL DEMOLITION WASTES AND DEBRIS (SOLID WASTE DISINFECT ALL POTABLE WATER LINES, FIRE LINES, VALVES, FITTINGS, AND HYDRANTS. ALL DISINFECTION WORK T SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH AND ENFORCE ALL APPLICABL FINISH GROUND LINE. HYDRANTS SHALL CONTAIN TWO-TWO AND A HALF INCH (2-1/2") HOSE CONNECTIONS AN ALL BEDDING, FILL, AND BACKFILL MATERIAL SHALL BE SUITABLE SOILS OR FLOWABLE FILL, WHERE TRENCH O SHALL BE ACCEPTABLE TO THE STATE HEALTH AUTHORITY. IF ANY REQUIREMENTS OF THIS SECTION ARE IN REFUSE, COMBUSTIBLE DEBRIS, ETC.) SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL TOWN, COUNTY, STATE SAFETY REGULATIONS. THE ABOVE INFORMATION HAS BEEN PROVIDED FOR THE CONTRACTOR'S INFORMATION EXCAVATION IS WITHIN THE INFLUENCE AREA OF ROADWAYS, STRUCTURES, FOUNDATIONS, OR SLABS, PLACE ONE-FOUR AND A HALF INCH (4-1/2") STEAMER CONNECTIONS WITH NATIONAL STANDARD FIRE HOSE COUPLING CONFLICT WITH REQUIREMENTS OF THE AUTHORITY FOR DISINFECTION. THOSE OF THE AUTHORITY SHALL GOVERN AND FEDERAL LAWS AND APPLICABLE CODES. ONLY AND DOES NOT IMPLY THAT THE OWNER OR ENGINEER WILL INSPECT AND/OR ENFORCE SAFET BACKFILL IN LAYERS OF 8 INCH LOOSE DEPTH. IN ALL OTHER AREAS, PLACE FILL AND BACKFILL IN LAYERS OF SCREW THREADS, FIVE AND ONE QUARTER INCH (5-1/4") VALVE OPENING, SIX INCH (6") DIAMETER MECHANICAL JOINT THE WATER MAIN DISINFECTION AND BACTERIOLOGICAL SAMPLING AND METHODS OF DISINFECTION FOR ALL REGULATIONS. THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR JOB SITE SAFETY. THE ENGINEER OF RECORD ALL FENCES, MAILBOXES, AND SIGNAGE DISTURBED BY CONSTRUCTION SHALL BE RELOCATED OR REPLACED A INLET, ONE AND ONE-HALF INCH (1-1/2") PENTAGON OPERATING NUT. THE HYDRANTS SHALL OPERATING NUT. INCH LOOSE DEPTH. WATER CONTAINMENT DEVICES AND PIPING SYSTEMS SHALL CONFORM TO AWWA C651 HAS NOT BEEN RETAINED TO PERFORM OR BE RESPONSIBLE FOR JOB SITE SAFETY, SAME BEING WHOLLY OUTSIDE NO ADDITIONAL COST TO OWNER. COUNTERCLOCKWISE. OF ENGINEER'S SERVICES AS RELATED TO THE PROJECT. THE ENGINEER OF RECORD IS NOT RESPONSIBLE ' IF SOLVENT CONTAMINATION IS FOUND VIA AN EXCAVATION ACTIVITY OR IN GENERAL, THE CONTRACTOR SHA Testing and inspection requirements ANY UTILITIES ENCOUNTERED DURING DEMOLITION THAT ARE NOT DEPICTED/ADDRESSED ON THE CONSTRUCTION IDENTIFY OR REPORT ANY JOB SITE SAFETY ISSUES, AT ANY TIME. BE STOPPED AND THE PROPER AUTHORITIES NOTIFIED. WITH APPROVAL OF THE GOVERNING AGENCY, DUCTIL . ALL HYDRANTS SHALL BE PAINTED PER N.F.P.A 291 OR IN ANOTHER APPROVED MANNER WITH THE FINISH PAINT BEIN DOCUMENTS SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER. THE CONTRACTOR SHALL COORDINATE IRON PIPE, FITTINGS AND SOLVENT RESISTANT GASKET MATERIAL SUCH AS FLUOROCARBON SHALL BE USED IN TI TWO COATS OF ENAMEL OR SPECIAL COATING TO COLOR AS REQUIRED BY THE LOCAL FIRE DEPARTMENT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN A RIGHT-OF-WAY UTILIZATION PERMIT "RO (WATER): WITH UTILITY OWNER PRIOR TO REMOVAL AND/OR RELOCATION. CONTAMINATED AREA. THE DUCTILE IRON PIPE SHALL EXTEND AT LEAST 100 FEET BEYOND ANY SOLVEN 10. BLUE PAVEMENT REFLECTORS SHALL BE PLACED IN THE CENTERLINE OF THE DRIVING LANE DIRECTLY IN FRONT PERMIT" (IF REQUIRED) FOR CONSTRUCTION OF THE PROPOSED UTILITY FACILITIES. THIS PERMIT MUST F ALL COMPONENTS OF THE WATER SYSTEM, INCLUDING FITTINGS. HYDRANTS. CONNECTIONS. AND VALVES SHALL DISCOVERED. ANY CONTAMINATED SOIL THAT IS EXCAVATED SHALL BE PLACED ON AN IMPERMEABLE MAT AN OBTAINED BY A DULY LICENSED PLUMBING/UTILITY CONTRACTOR (OR CLASS A GENERAL CONTRACTOR) PRIOR TO ALL FIRE HYDRANTS. THERE SHALL BE NO TREES, SHRUBS, OR LANDSCAPING PLANTED AROUND THE FIRE HYDRANT Gas, electrical, telephone, and cable tv COVERED WITH A WATERPROOF COVERING. THE PROPER AUTHORITIES WILL BE NOTIFIED AND TI REMAIN UNCOVERED UNTIL PROPERLY PRESSURE TESTED AND ACCEPTED BY THE OWNER'S ENGINEER, OR CITY THE START OF CONSTRUCTION. THESE PLANS AND ANY SUBSEQUENT REVISIONS TO THESE PLANS THAT ARE ISSUEI OR IN AREAS DESIGNATED AS FIRE LANES. CONTAMINATED SOILS HELD FOR PROPER DISPOSAL INSPECTOR. PRESSURE TESTING OF WATER MAINS SHALL BE FOR A PERIOD OF FOUR (4) HOURS. CONTRACTOR TO BY THE ENGINEER WILL BE SUBJECT TO THE APPROVAL CONDITIONS OF THIS PERMI UTILITIES I. NEW OR RELOCATED FIRE HYDRANTS SHALL BE LOCATED SUCH THAT THE UNDERGROUND DRAIN (WEEP HOLE) IS A NOTIFY THE OWNER'S ENGINEER AND APPLICABLE AGENCY INSPECTORS 48 HOURS IN ADVANCE OF PERFORMING THE GRAPHIC INFORMATION DEPICTED ON THESE PLANS HAS BEEN COMPILED TO PROPORTION BY SCALE. TESTING AND INSPECTION REQUIREMENTS LEAST: THREE FEET FROM ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, RECLAIM ENGINEER IS NOT RESPONSIBLE FOR THE DESIGN OF GAS, ELECTRIC, TELEPHONE, FIBER OR CABLE TV UTILITIES, ANI ACCURATELY AS POSSIBLE. HOWEVER, DUE TO REPRODUCTIVE DISTORTION, REDUCTION, AND/OR REVISIONS WATER MAIN, OR VACUUM TYPE SANITARY SEWER; SIX FEET FROM ANY EXISTING OR PROPOSED GRAVITY SANITAL TESTED SECTIONS OF BURIED PIPING WITH SLIP-TYPE OR MECHANICAL JOINTS WILL NOT BE ACCEPTED IF IT HAS A ANY INFORMATION PERTAINING TO THE DESIGN OR LOCATION OF THOSE UTILITIES IS SHOWN ON THE CIVIL (TRENCHING, EXCAVATION, AND FILL): INFORMATION CONTAINED HEREIN IS NOT INTENDED TO BE SCALED FOR CONSTRUCTION PURPOSES. SEWER AND WASTEWATER FORCE MAIN; AND TEN FEET FROM ANY ONSITE SEWAGE TREATMENT AND DISPOS LEAKAGE RATE IN EXCESS OF THAT RATE DETERMINED BY THE FORMULA: DRAWINGS FOR GENERAL REFERENCE ONLY. REFER TO ELECTRICAL PLANS FOR ACTUAL LOCATIONS OF THESI WHEN DETAILS ARE PROVIDED, CONTRACTOR SHALL CONSTRUCT JOB PER SPECIFIC DETAILS AND NOT BY SCALING SYSTEM SUCH AS SEPTIC TANKS, DRAINFIELDS, AND GREASE TRAPS. ONSITE SEWAGE TREATMENT AND DISPOS. ALL SITE WORK CONSTRUCTION TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH THE PROJECT UTILITIES AND FOR SPECIFIC NOTES AND INFORMATION SYSTEMS DO NOT INCLUDE PACKAGE SEWAGE TREATMENT FACILITIES AND PUBLIC WASTEWATER TREATMEN GEOTECHNICAL REPORT AND/OR THE TESTING PARAMETERS OF THE LOCAL MUNICIPALITY/AGENCY HAVIN THIS SET OF PLANS MAY CONTAIN DRAWINGS PREPARED BY OTHER PROFESSIONALS, WHICH CONTAIN THE NAME, JURISDICTION OVER THE SITE WORK. THE MORE STRINGENT REQUIREMENTS SHALL APPLY. WHERE L = MAXIMUM PERMISSIBLE LEAKAGE RATE. IN GALLONS PER HOUR, THROUGHOUT THE ENTIRE LENGTH OF MATERIALS INTERFERING WITH CONSTRUCTION AND ABANDONED UTILITY LINES, PIPES, STRUCTURES, AND OTHER 2. THE ACCESS ROADS SHALL REMAIN CLEAR OF VEHICULAR OBSTRUCTIONS TO ALLOW ACCESS OF FIRE DEPARTME ADDRESS, AND LOGO OF THE PROFESSIONAL. MDO ENGINEERING, INC IS NOT RESPONSIBLE FOR DRAWINGS LINE BEING TESTED: S = LENGTH OF LINE TESTED (IN FEET): D = NOMINAL INTERNAL DIAMETER (IN INCHES) OF THE SUBTERRANEAN OBJECTS SHALL BE REMOVED. ALL MATERIALS
NOT CLAIMED BY THE OWNER SHALL BECOME THI MINIMUM DENSITY REQUIREMENT (ASTM D1557 OR AASHTO T180): BACKFILL AND FILL UNDER AND WITHIN T PREPARED BY OTHER PROFESSIONALS. UNITS WHILE THE BUILDINGS ARE BEING CONSTRUCTED. PIPE: AND P = THE SOUARE ROOT OF THE ACTUAL PRESSURE IN POUNDS PER SOUARE INCH GAUGE (PSIG) ON ALL PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF IN A LEGAL MANNER. INFLUENCE AREA OF ROADWAYS STRUCTURES SLABS FOUNDATIONS = 98 PERCENT BACKFILL AND FILL PLACE JOINTS IN THE TESTED PORTION OF THE LINE. THIS ACTUAL PRESSURE SHALL BE DETERMINED BY FINDING THE ALL SPECIFICATIONS AND DOCUMENTS REFERENCED HEREIN SHALL BE OF THE LATEST REVISION. WITHIN PUBLIC ROAD RIGHT-OF-WAY AND UTILITY EASEMENTS = 95 PERCENT: BACKFILL AND FILL PLACED WITH TESTING AND INSPECTION REQUIREMENTS DIFFERENCE BETWEEN THE AVERAGE ELEVATION OF ALL TESTED PIPE JOINTS AND THE ELEVATION OF THE THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL EXISTING UTILITIES AND COORDINATIN POND AND ROAD EMBANKMENT = 95 PERCENT; BACKFILL AND FILL PLACED IN ALL OTHER AREAS = 90 PERCENT. ALL UNDERGROUND UTILITIES MUST BE IN-PLACE, TESTED AND INSPECTED PRIOR TO BASE AND SURFACE PRESSURE GAUGE AND ADDING THE DIFFERENCE IN ELEVATION HEAD TO THE AUTHORIZED TEST PRESSURE. (FIRE PROTECTION): WITH THE APPROPRIATE UTILITY AUTHORITIES BEFORE CONSTRUCTION COMMENCES, CONTRACTOR MUST CAL FIELD DENSITY TESTING FREQUENCIES: A) ONE TEST FOR EACH 10 000 SQUARE FEET OR FRACTION THEREOF PE SUNSHINE STATE ONE CALL (OR PRIVATE LOCATER) FOR UTILITY LOCATES 48 HOURS PRIOR TO CONSTRUCTION A WORK PERFORMED UNDER THIS CONTRACT SHALL INTERFACE SMOOTHLY WITH ANY OTHER WORK BEING LIFT OF GENERAL BACKFILLING, MINIMUM 2 TESTS EACH LAYER: B) ONE TEST FOR EACH 100 SOUARE FEET OF THE CONTRACTOR SHALL PROVIDE A POST-CONSTRUCTION FIRE FLOW TEST WITNESSED AND APPROVED BY TH CONTRACTOR SHALL ARRANGE FOR CHLORINATION AND BACTERIOLOGICAL SAMPLING, AND OBTAIN CLEARANCE 1-800-432-4770. ANY UTILITY CONFLICTS SHALL BE REPORTED TO THE ENGINEER AND RESOLVED PRIOR TO FRACTION THEREOF OF BACKFILL AROUND AND UNDER STRUCTURES; C) ONE TEST FOR EACH 300 LINEAL FEET O PERFORMED ON-SITE BY OTHER CONTRACTORS/SUBCONTRACTORS AND UTILITY COMPANIES. IT WILL B ENGINEER AND THE UTILITY. HYDRANTS SHALL DELIVER A MINIMUM OF 1250 GPM WITH A RESIDUAL PRESSURE OF OF DOMESTIC AND FIRE LINE WATER SYSTEM(S). COPIES OF ALL BACTERIOLOGICAL TEST RESULTS ARE TO BE NECESSARY FOR THE GENERAL CONTRACTOR TO COORDINATE AND SCHEDULE ITS ACTIVITIES ACCORDINGLY. T FRACTION THEREOF PER LIFT OF GENERAL BACKFILLING IN THE PIPELINE TRENCH: D) ONE TEST PER LIFT PER EACH SUBMITTED TO THE OWNER'S ENGINEER, IMMEDIATELY UPON COMPLETION OF THE WATER SYSTEM, FOR CONTRACTOR SHALL PLAN AND SCHEDULE THE SEQUENCE OF WORK IN ORDER TO PREVENT UNNECESSARY DELAY CHANGE IN TYPE OF FILL; E) ONE TEST PER 1000 SQUARE FEET OF PAVEMENT SUBGRADE, MINIMUM OF 2 TESTS. CERTIFICATION PURPOSES. . INSTALL ALL REQUIRED CONDUIT TO THE PROPERTY PER LINE FOR APPLICABLE UTILITY SERVICE. COORDINAT APPLY HYDROSTATIC TEST PRESSURE OF 200 PSI (FIRE MAINS) FOR 10 MINUTES AND FOR SUCH ADDITIONAL PERIO OR COSTS ASSOCIATED WITH CRITICAL PATH ITEMS OF THE WORK. IT IS RECOMMENDED THAT A FINAL SCHEDULF WITH UTILITY PROVIDER. ELECTRICAL ENGINEER AND ARCHITECTURAL PLANS ON FINAL SIZE AND LOCATION O SHALL BE GIVEN TO THE OWNER, THE OWNERS ENGINEER AND ARCHITECT. THE CONTRACTOR AND NECESSARY FOR THE ENGINEER TO COMPLETE THE INSPECTION OF THE LINE UNDER TEST. DO NOT EXCEED PIP THE SEQUENCE OF TESTING AND DISINFECTION SHALL BE AS FOLLOWS: MANUFACTURER'S SUGGESTED TIME DURATION AT THE TEST PRESSURE. IF DEFECTS ARE NOTED, REPAIRS SHALL B SUB-CONTRACTORS WILL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH DELAYS RELATED TO POOR CONDUCT FIRE FLOW, PRESSURE AND LEAKAGE TESTING;
PERFORM FLUSHING PER UTILITY REQUIREMENTS AND AWWA C651;
DISINFECT THE WATER MAIN, INCLUDING VALVES AND FITTINGS; SCHEDULE PLANNING. MADE AND THE TEST REPEATED UNTIL ALL PARTS OF THE LINE WITHSTAND THE TEST PRESSURE. ALL AREAS AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN TH . APPLY LEAKAGE TEST PRESSURE OF 200 PSI (FIRE MAINS) MAINTAIN PRESSURE AT A MAXIMUM VARIATION OF : FLUSH AFTER DISINFECTION EXISTING CONDITION, UNLESS SPECIFICALLY EXEMPTED BY THE PLANS. THE COST FOR SUCH RESTORATION SHALL DURING THE ENTIRE LEAKAGE TEST. THE DURATION OF THE LEAKAGE TEST SHALL BE TWO HOURS MINIMUM, AN BE INCIDENTAL TO OTHER CONSTRUCTION AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED. FOR SUCH ADDITIONAL TIME NECESSARY FOR THE ENGINEER TO COMPLETE INSPECTION OF THE SECTION OF LIN IF THE ABOVE TESTING REQUIREMENTS ARE IN CONFLICT WITH ANY LOCAL, STATE, OR FEDERAL AGENCY THE MORE UNDER TEST, LEAKAGE MEASUREMENTS SHALL NOT BE STARTED UNTIL A CONSTANT TEST PRESSURE HAS BEEL ANY DAMAGE TO EXISTING FACILITIES, ABOVE OR BELOW GROUND, THAT MAY OCCUR AS A RESULT OF THE WORL STRINGENT REQUIREMENTS SHALL APPLY. PERFORMED, BY THE CONTRACTOR OR SUBCONTRACTORS, SHALL BE REPAIRED. NO ADDITIONAL COMPENSATION ESTABLISHED. THE LINE LEAKAGE SHALL BE MEASURED BY MEANS OF A WATER METER INSTALLED ON THE SUPP SIDE OF THE PRESSURE PUMP. SHALL BE ALLOWED. EAST LAKE DRAINAGE IMPROVEMENTS COVER BAR IS ONE INCH SIGNED BY OKEECHOBEE, FL 34973 ON ORIGINAL DRAWING MARCOS, MONTES DE OCA L: (863) 634-2131 DATE OF SIGNATURE G NUMBER G-2 63897 NOTES AND SPECIFICATIONS L ENGINEERING BUSINESS NO. 2988 F NOT ONE INCH ON SHEETS THIS SHEET, ADJUST BPE AUTHORIZATION NUMBER MARCOS@MDO-ENGINEERING.COM SCALES ACCORDINGLY 2/6/2021 02/2023 29880 WWW.MDO-ENGINEERING.COM DATE DESCRIPTION APPE

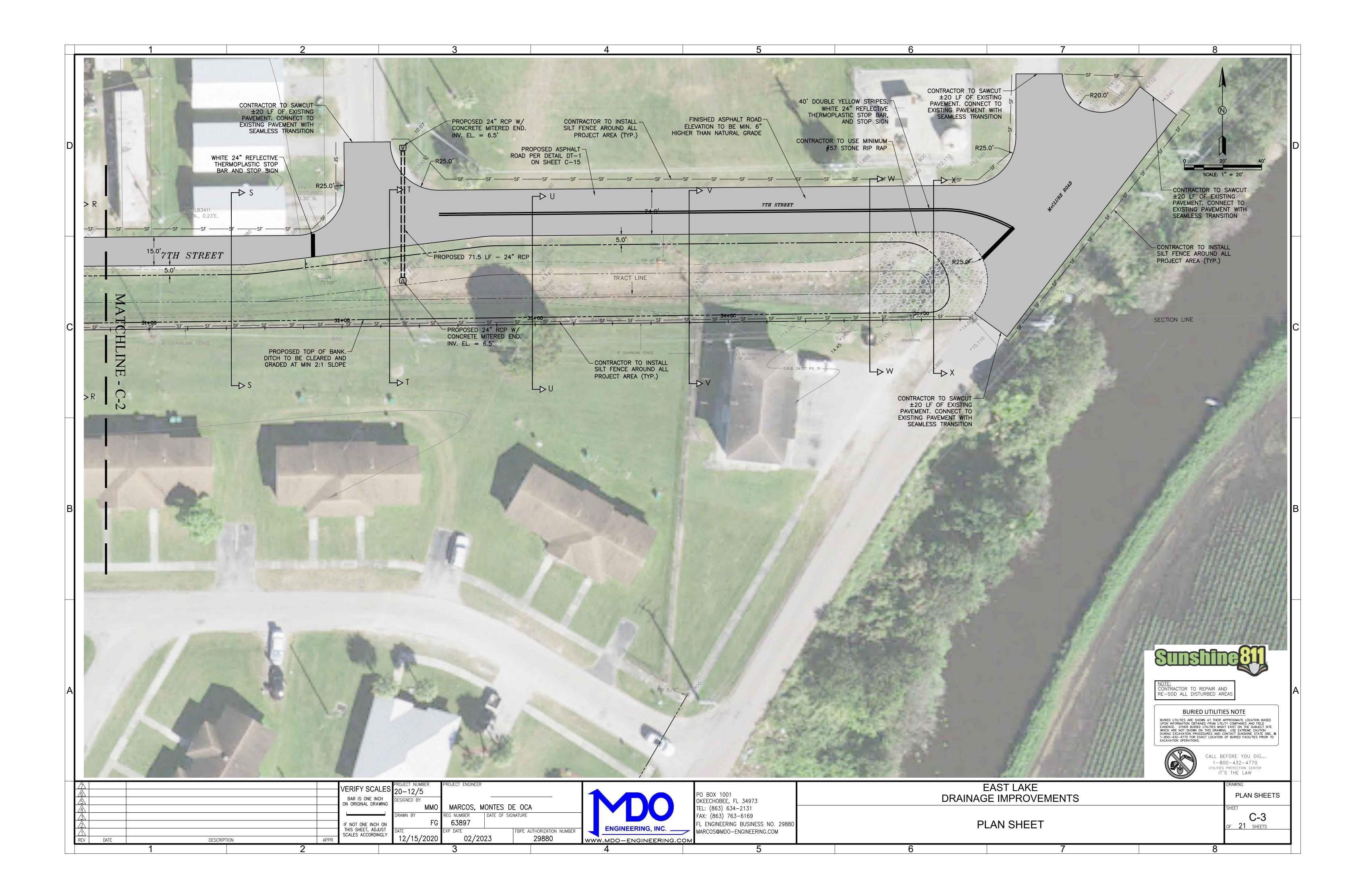
<u>Sanitary system notes:</u> as-builts, record drawings & TRAFFIC CONTROL: GENERAL ADA GUIDELINES FOR SITE CONSTRUCTION: TECHNICAL SPECIFICATIONS OVERNING JURISDICTIONAL PUBLIC WORKS AND/OR UTILITY STANDARDS ARE MINIMUM STANDARDS FOR PUBLIC THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A MAINTENANCE OF TRAFFIC (M.O.T.) PLAN PRIOR TO ONTRACTORS MUST EXERCISE APPROPRIATE CARE AND PRECISION IN CONSTRUCTION OF ADA (HANDICAP) ACCESSIBLE Certifications: CONSTRUCTION. THE M.O.T. PLAN SHALL SHOW ALL PROPOSED TRAFFIC CONTROL SIGNS, PAVEMENT MARKINGS TABLE WATER, RECLAIMED WATER AND/OR SANITARY SEWER CONSTRUCTION. THE NOTES BELOW APPLY ONLY WHEN OMPONENTS AND ACCESS ROUTES FOR THE SITE. THESE COMPONENTS, AS CONSTRUCTED, MUST COMPLY WITH THE AND BARRICADES, AND SHALL DETAIL ALL PROPOSED CONSTRUCTION SEQUENCING. THE M.O.T. PLAN ANI PRIOR TO CONSTRUCTION. THE CONTRACTOR WILL OBTAIN A COPY OF THE MINIMUM REQUIREMENTS FOR AS-BUILT JRRENT STATE & LOCAL BUILDING CODE. THE DEPARTMENT OF JUSTICE ADA STANDARDS. REGULATIONS' BARRIER IATERIALS. CONSTRUCTION METHODS. TESTING AND TOLERANCES FOR ALL WORK SHALL BE IN ACCORDANCE WITH INSTALLED TRAFFIC CONTROL MEASURES SHALL BE APPROVED BY THE ENGINEER, OWNER, AND ROADWAY RECORD DRAWING ACCEPTANCE FOR THE AGENCY HAVING JURISDICTION (SUCH AS THE CITY OR COUNTY) AND/OR FREE ACCESS AND ANY MODIFICATIONS. REVISIONS OR UPDATES TO SAME, FINISHED SURFACES ALONG THE ACCESSIBLE THE FOLLOWING SPECIFICATIONS, AND WITH THE SPECIFICATIONS REFERENCED UNDER THE "SUPPLEMENTARY JURISDICTIONAL AGENCY PRIOR TO CONSTRUCTION, IN GENERAL, ROADWAY AND DRIVEWAY LANE CLOSURES ARE INSTALLATIONS OF SANITARY SEWERS, FORCE MAINS AND STORM SEWERS, AT CROSSINGS OF WATER MAINS, SHALL ROUTE OF TRAVEL FROM PARKING SPACE. PUBLIC TRANSPORTATION. PEDESTRIAN ACCESS. INTER-BUILDING ACCESS. TO UTILITY SERVICE PROVIDER, FAMILIARIZE THEMSELVES WITH THESE REQUIREMENTS, AND PRODUCE AS-BUILT CONDITIONS." IN THE EVENT OF CONFLICT, THE MORE STRINGENT PROVISION SHALL APPLY. PROHIBITED DURING CONSTRUCTION UNLESS SPECIFICALLY DETAILED ON THESE PLANS. IN THE EVENT IT I POINTS OF ACCESSIBLE BUILDING ENTRANCE/EXIT. MUST COMPLY WITH THESE ADA CODE REQUIREMENTS. THESE BE PERFORMED SO AS TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE INVERT OF THE RECORD DRAWINGS THAT SUBSTANTIALLY COMPLY WITH OR EXCEED THESE REQUIREMENTS, INCLUDING ANY DETERMINED THAT ROADWAY AND DRIVEWAY LANE CLOSURES WILL BE ALLOWED, THE CLOSURES SHALL BE UPPER PIPE AND THE CROWN OF THE LOWER PIPE. WHENEVER POSSIBLE. THE CROSSING SHALL BE ARRANGED SO CLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING REQUIRED ELECTRONIC DATA SUBMITTALS. RESTRICTED TO THE HOURS BETWEEN 9:00 A.M. AND 4:00 P.M. UNLESS OTHERWISE AUTHORIZED IN THE APPROVED MOBILIZATION/DEMOBILIZATION: THE WORK SPECIFIED IN THIS SECTION CONSISTS OF THE PREPARATORY WORK THAT THE SEWER JOINTS AND WATER JOINTS SHALL BE EQUIDISTANT FROM THE POINT OF CROSSING WITH NO LESS AT LEAST 30 DAYS PRIOR TO ANTICIPATED COMPLETION OF SITE CONSTRUCTION, THE FINAL CERTIFICATION PARKING SPACES AND PARKING AISLES - SLOPE SHALL NOT EXCEED 1:50 (1/4" PER FDOT OR 2.0%) IN ANY DIRECTION. AND OPERATIONS IN MOBILIZING FOR BEGINNING WORK ON THE PROJECT, INCLUDING, BUT NOT LIMITED TO. THAN 10 FEET BETWEEN ANY TWO JOINTS. WHERE SANITARY SEWERS, FORCE MAINS, AND STORM SEWERS MUST PROCESS SHALL BEGIN. THE CONTRACTOR SHALL PROVIDE DOCUMENTS AND INFORMATION IN A TIMELY MANNER THIS INCLUDES RUNNING SLOPE AND CROSS SLOPE. THE CONTRACTOR SHALL BE REQUIRED TO NOTIFY ALL APPROPRIATE AGENCIES (PARTIAL LISTED BELOW) PRIOR TO CROSS A WATER MAIN WITH LESS THAN 18 INCHES VERTICAL DISTANCE, BOTH THE SEWER AND THE WATER MAIN THOSE OPERATIONS NECESSARY FOR THE MOVEMENT OF PERSONNEL, EQUIPMENT, SUPPLIES AND INCIDENTAL TO ENGINEER, INCLUDING AND WITHOUT LIMITATIONS. TO THE PROJECT SITE, AND FOR THE ESTABLISHMENT OF TEMPORARY OFFICES, BUILDINGS, SAFETY EQUIPMENT ANY LANE CLOSURES ON AN ARTERIAL OR COLLECTOR ROADWAY: SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE (DIP), AT THE CROSSING. (DIP IS NOT REQUIRED FOR STORM SEWERS RAMPS - SLOPES EXCEEDING 1:20 (5%) BUT NO MORE THAN 1:12 (8.3%) CONSTITUTE A RAMP AND MUST CONFORM TO AND FIRST AID SUPPLIES, SANITARY AND OTHER FACILITIES, AS REQUIRED BY THESE SPECIFICATIONS. THE IF IT IS NOT AVAILABLE IN THE SIZE PROPOSED.). SUFFICIENT LENGTHS OF DIP MUST BE USED TO PROVIDE A A. SURVEYED "AS-BUILTS", MINIMUM AS-BUILT SURVEY SCOPE IS LISTED BELOW. THE REQUIREMENTS FOR RAMP DESIGN (HANDRAILS, CURBS, AND LANDINGS). NO RAMP SHALL EXCEED A 1:12 (8.3%) A. GOVERNING PUBLIC WORKS MINIMUM SEPARATION OF 10 FEET BETWEEN ANY TWO (2) JOINTS. IN LIEU OF DIP, THE SANITARY SEWER MAY BI SPECIAL PROVISIONS, AND STATE AND LOCAL LAWS AND REGULATIONS. ALL COSTS FOR BONDS, PERMITS AND B. COMPACTION AND DENSITY TEST RESULTS CERTIFIED BY OWNERS TESTING COMPANY RUNNING SLOPE OR 1:50 (2%) CROSS SLOPE. RAMPS EXCEEDING SIX FEET IN LENGTH REOUIRE A HANDRAIL THAT ANY REQUIRED INSURANCE, AND ANY OTHER PRECONSTRUCTION EXPENSE NECESSARY FOR THE START OF TH PLACED IN A SLEEVE FOR 20 FEET CENTERED ON THE POINT OF CROSSING. ALL JOINTS ON THE WATER MAIN WITH C. PRESSURE TESTING AND BACTERIOLOGICAL TESTING RESULTS AS REQUIRED FOR WATER DISTRIBUTION CONFORMS TO ADA STANDARDS. A RAMP MAY NOT RISE MORE THAN 2.5 FEET WITHOUT A LANDING . TRANSIT AUTHORITY WORK, AS WELL THE COST OF THE REMOVAL OF THE ABOVE ITEMS, SHALL ALSO BE INCLUDED IN THIS SECTIO 20 FEET OF THE CROSSING MUST BE LEAK FREE, AND MECHANICALLY RESTRAINED. A MINIMUM VERTICAL AND/OR WASTEWATER COLLECTION/TRANSMISSION SYSTEMS. LANDINGS - MUST BE PROVIDED AT EACH END OF RAMPS MUST PROVIDE POSITIVE DRAINAGE AND MUST NO D. SCHOOL TRANSPORTATION CLEARANCE OF 6 INCHES MUST BE MAINTAINED AT THE CROSSING. WHERE THERE IS NO ALTERNATIVE TO SEWER CONSTRUCTION SURVEYING: THE CONTRACTOR SHALL CONSTRUCT THE REQUIRED IMPROVEMENTS AT THE EMS & FIRE ADMINISTRATION PIPES CROSSING OVER WATER MAINS. THE CRITERIA FOR MINIMUM SEPARATION OF 18 INCHES BETWEEN LINES. AND EXCEED 1:50 (1/4" PRT FDOT OR 2.0%) IN ANY DIRECTION. THE LANDING SHOULD BE AS WIDE AS THE PROPOSED RAMP, AS-BUILT DRAWINGS SHALL BE ACCURATELY RECORDED AND CERTIFIED BY A LICENSED LAND SURVEYOR LOCATIONS SHOWN ON THE PLANS. AS OUTLINED IN THE "SUPPLEMENTAL CONDITIONS," THE OWNER SHALL 10 FEET BETWEEN JOINTS, CENTERED AT THE POINT OF CROSSING SHALL BE REQUIRED. THE WATER MAIN SHALL BE MIN 36" WIDE, AND BE 60" LONG. IN MOST SITE CASES LANDINGS SHOULD BE 5 FEET BY 5 FEET. REGISTERED IN THE STATE OF FLORIDA AND SHALL MEET THE MINIMAL TECHNICAL STANDARDS SET FORTH BY THE PROVIDE BASIC REFERENCE POINTS FOR HORIZONTAL CONTROL AND BENCHMARKS IN THE VICINITY OF THE PLACED IN A SLEEVE FOR 20 FEET CENTERED ON THE POINT OF CROSSING. ADEQUATE STRUCTURAL SUPPORT SHAL ALL TRAFFIC CONTROL MEASURES SHALL BE IN ACCORDANCE WITH FDOT INDEX NO. 600 AND THE MANUAL O PATH OF TRAVEL ALONG ACCESSIBLE ROUTE - MUST PROVIDE A 36-INCH OR GREATER UNOBSTRUCTED WIDTH O WORK. ALL OTHER CONSTRUCTION STAKING FOR BOTH HORIZONTAL AND VERTICAL CONTROL NEEDED BY T BE PROVIDED FOR THE SEWER TO PREVENT DAMAGE TO THE WATER MAIN. ALL CROSSINGS SHALL BE ARRANGED SO FLORIDA BOARD OF SURVEYOR'S AND MAPPERS IN CHARTER 61G17-6, FLORIDA ADMINISTRATIVE CODE, PURSUANT UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL TRAFFIC CONTROL MEASURES SHALL BE INSTALLED PRIOR TO TRAVEL (CAR OVERHANGS AND/OR HANDRAILS CANNOT REDUCE THIS MINIMUM WIDTH). IF THE PATH OF TRAVE CONTRACTOR FOR CONTROL OF HIS WORK SHALL BE PERFORMED BY THE CONTRACTOR. THAT THE SEWER PIPE JOINTS AND THE WATER MAIN PIPE JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING TO SECTION 472.027 FLORIDA STATUTES. CONSTRUCTION AND MAINTAINED DURING CONSTRUCTION. GOES TO A PUBLIC RIGHT-OF WAY, IT IS PREFERRED THAT THE ROUTE BE A MINIMUM OF 60 INCHES. THE SLOPE (I.E., PIPES CENTERED ON THE CROSSING). WHERE A PROPOSED PIPE CONFLICTS WITH AN EXISTING PIPE. TH ALL RECORD DRAWINGS SHALL BE PREPARED BY THE CONTRACTOR IN AUTOCAD FORMAT USING CONSTRUCTION INSPECT TRAFFIC CONTROL DEVICES ON A DAILY BASIS TO ENSURE PLACEMENT OF BARRICADES AND FUNCTION OF EARTHWORK AND GRADING: SHALL BE PERFORMED AS REOUIRED TO ATTAIN THE FINAL GRADES. TYPICAL SECTION SHOULD BE NO GREATER THAN 1:20 (5.0%) IN THE DIRECTION OF TRAVEL, AND MUST NOT EXCEED 1:50 (1/4") PER FDO PROPOSED PIPE SHALL BE CONSTRUCTED OF DIP, AND THE CROSSING SHALL BE ARRANGED SO AS TO SATISFY THE PLAN SHEETS PROVIDED BY THE ENGINEER. AS-BUILT INFORMATION SHALL BE FIELD VERIFIED, MEASURED, ADDED AND ELEVATIONS AND TO ACCOMPLISH THE OBJECTIVES SHOWN ON THE PLANS FOR THE AREAS TO BE PAVED. LIGHTS IS MAINTAINED THROUGHOUT CONSTRUCTION. OR 2.0%) IN CROSS SLOPE. WHERE PATH OF TRAVEL WILL BE GREATER THAN 1:20 (5.0%), THE ADA RAMP CRITERL TO THE AUTOCAD FILES OF THE CONSTRUCTION PLAN SHEETS PROVIDED BY THE ENGINEER, AND CERTIFIED SODDED, OR LANDSCAPED, MATERIALS AND CONSTRUCTION METHODS SHALL MEET THE REQUIREMENTS OF MUST BE ADHERED TO. A MAXIMUM SLOPE OF 1:12 (8.3%), FOR A MAXIMUM RISE OF 2.5 FEET, MUST BE PROVIDED. TH CONTACT PROPERTY OWNERS AFFECTED BY CONSTRUCTION, COORDINATE TEMPORARY DRIVEWAY CLOSURES AND SIGNED AND SEALED BY THE CONTRACTOR'S LICENSED SURVEYOR WHO WILL BE RESPONSIBLE FOR THE ACCURAC RAMP MUST HAVE ADA HAND RAILS AND 'LEVEL' LANDINGS ON EACH END THAT ARE CROSS SLOPED NO MORE THAN SEQUENCING. MAINTAIN ACCESS FOR ALL PROPERTY OWNERS DURING CONSTRUCTION OBTAINABLE SEPARATION OF RECLAIMED WATER LINES AND DOMESTIC WATER LINES SHALL BE PRACTICED. A 1:50 (1/4" PER FDOT OR 2.0%) FOR POSITIVE DRAINAGE. MINIMAL HORIZONTAL SEPARATION OF FIVE FEET (CENTER TO CENTER) OR THREE FEET (OUTSIDE TO OUTSIDE ADJUST TRAFFIC CONTROL DEVICES AS REQUIRED UNDER EMERGENCY CONDITIONS ANY PLASTIC OR ORGANIC MATERIAL WITHIN 36" OF THE FINISHED GRADE OF THE AREA TO BE PAVED SHALL BI THE X, Y AND (Z) LOCATION BASED ON THE COORDINATE SYSTEM FLORIDA EAST ZONE STATE PLANE COORDINAT SHALL BE MAINTAINED BETWEEN RECLAIMED WATER LINES AND EITHER POTABLE WATER MAINS OR SEWAGI CROSS-WALKS - THE PATH OF TRAVEL STANDARD APPLIES TO CROSS WALKS IN THE DRIVEWAY AS WELL AND WILL THE CONTRACTOR IS EXPECTED TO COORDINATE ITS ACTIVITIES WITH OTHER CONTRACTORS WHO MAY BE REMOVED AND REPLACED WITH A-3 MATERIAL. FEET NAD 83, OF ALL VALVES (CENTER OF PIPE), MANHOLES, INLETS, VALVE BOXES (GRADE), HYDRANTS (GRADE) COLLECTION LINES. AN 18 INCH VERTICAL SEPARATION SHALL BE MAINTAINED AT CROSSINGS. REQUIRE SPECIAL ATTENTION DURING STAKING TO MAKE SURE THE 1:50 (2%) CROSS SLOPE IS MET IN THE CROSS WORKING IN THE IMMEDIATE VICINITY. BLOW OFFS (GRADE), SAMPLE POINTS (GRADE) AND METER BOXES (GRADE) ETC. SHALL BE CLEARLY SHOWN HEN THE RECLAIMED WATER LINE IS TRANSPORTING WATER FOR NON-PUBLIC ACCESS IRRIGATION: THIS CLAIMED WATER MAIN SHALL BE TREATED LIKE A SANITARY SEWER, AND A 10 FOOT. HORIZONTAL AND 18 ALL CLEAN EXCESS MATERIAL SUITABLE FOR FILL RESULTING FROM THE EXCAVATION SHALL BE INCORPORATED WHEN WORK OCCURS WITHIN 15-FT OF ACTIVE ROAD TRAVEL LANES BUT NO CLOSER THAN 2-FT FROM THE EDGE O ACCEPTABLE POSITION ACCURACY SHALL BE SUB-METER OR BETTER FOR COMPATIBILITY WITH GLOBAL INTO THE ON SITE FILLING OR DISPOSED OF AS DIRECTED BY THE OWNER. DOORWAYS - MUST HAVE A 'LEVEL' LANDING AREA ON THE EXTERIOR SIDE OF THE DOOR THAT IS SLOPED AWAY PAVEMENT, SIGNAGE AND WARNING DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH FDOT INDEX NO. 600 POSITIONING SYSTEM (GPS) EQUIPMENT. THE VERTICAL DATUM USED SHALL BE NAVD 88 UNLESS OTHERWISE INCH VERTICAL SEPARATION SHALL BE MAINTAINED BETWEEN THE RECLAIMED WATER MAIN AND ALL EXISTING FROM THE DOOR NO MORE THAN 1:50 (1/4" PER FDOT OR 2.0%) FOR POSITIVE DRAINAGE. THIS LANDING AREA MUST BE SHOWN ON THE CONSTRUCTION PLANS. OR PROPOSED POTABLE WATER MAINS. NO MINIMUM SEPARATION IS REQUIRED BETWEEN THE RECLAIMED ALL UNSUITABLE MATERIAL AND DEBRIS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. NO LESS THAN 60 INCHES (5 FEET) LONG. EXCEPT WHERE OTHERWISE PERMITTED BY ADA STANDARDS FOR TYPE I OR TYPE II BARRICADES AT 20-FT CENTERS SHALL BE PLACED AND MAINTAINED ALONG THE EDGE OF THI WATER MAIN AND SANITARY SEWERS, OTHER THAN NECESSARY TO ENSURE STRUCTURAL INTEGRITY AND THE AS-BUILT INFORMATION IS TO INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING: ALTERNATIVE DOORWAY OPENING CONDITIONS. (SEE ICC/ANSI A117.1-2003 AND OTHER REFERENCED INCORPORATED PROTECTION OF THE LINES THEMSELVES. ROAD WHEREVER DROP-OFFS OR OTHER HAZARDS EXIST AND TO BLOCK ENTRANCE INTO COMPLETED OF THE SHAPING OF THE PROPOSED SWALES, DRY DETENTION AREAS, DITCHES, BUILDING PAD AREAS, PARKING SITE IMPROVEMENTS PARTIALLY COMPLETED PAVEMENTS UNTIL SUCH PAVEMENTS ARE OPEN TO PUBLIC USE. A MINIMUM 10 FOOT HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN ANY TYPE OF SEWER (INCLUDIN AND LANDSCAPE AREAS, AND PERIMETER BERMS. • ALL BUILDINGS AND OTHER IMPROVEMENTS WITH DESCRIPTIONS, DIMENSIONS, AND LOCATION. THE CONTRACTOR SHALL PROVIDE FLAGMAN AND OTHER TRAFFIC MEASURES NECESSARY TO PROTECT AND FORCE MAINS) AND EXISTING OR PROPOSED WATER MAINS, IN PARALLEL INSTALLATIONS WHENEVER POSSIBLE. THE WHEN THE PROPOSED CONSTRUCTION INVOLVES RECONSTRUCTION, MODIFICATION, REVISION OR EXTENSION OF OR FACILITATE TRAFFIC MOVEMENT DURING CONSTRUCTION. DISTANCE FOR SEPARATION SHALL BE MEASURED EDGE TO EDGE. IN CASES WHERE IT IS NOT POSSIBLE TO MAINTA TO ADA COMPONENTS FROM EXISTING DOORWAYS OR SURFACES. CONTRACTOR MUST VERIFY EXISTING ELEVATIONS PAVEMENT WIDTH AND ELEVATIONS AT THE CENTERLINE AND EDGE OF PAVEMENT EVERY 200 FEET PLUS A DRAINAGE IMPROVEMENTS: THE CONTRACTOR SHALL PROVIDE ALL THE MATERIALS AND LABOR NECESSARY TO A 10 FOOT HORIZONTAL SEPARATION THE WATER MAIN MUST BE INSTALLED IN A SEPARATE TRENCH OR IN A SHOWN ON THE PLAN. NOTE THAT TABLE 405.2 OF THE DEPARTMENT OF JUSTICE'S ADA STANDARDS FOR ACCESSIBL ALL CHANGES IN LONGITUDINAL SLOPE, CROSS SLOPE, INLET LOCATIONS, AND AT ALL DRIVEWAY AND STREET COMPLY WITH ALL LOAD RESTRICTIONS IN THE HAULING OF MATERIALS ON PUBLIC ROADS BEYOND THE LIMITS O MPLETE THE PROJECT WORK FOR THE DRAINAGE IMPROVEMENTS AT THE LOCATION, SIZE AND TYPE SHOWN UNDISTURBED EARTH SHELF, LOCATED ON ONE SIDE OF THE SEWER OR FORCE MAIN, AT SUCH AN ELEVATION THA DESIGN ALLOWS FOR STEEPER RAMP SLOPES. IN RARE CIRCUMSTANCES. THE CONTRACTOR MUST IMMEDIATEL THE WORK. A SPECIAL PERMIT WILL NOT RELIEVE THE CONTRACTOR OF LIABILITY FOR THE DAMAGE WHICH MAY ON THE PLANS FOR THE FOLLOWING ITEMS IN ACCORDANCE WITH OKEECHOBEE COUNTY & FDOT · FOR PARKING LOTS, RECORD CENTERLINE AND EDGE OF PAVEMENT ELEVATIONS ALONG ALL DRIVE AISLE THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER LINE, AND WATER AND NOTIFY THE DESIGN ENGINEER OF ANY DISCREPANCIES AND/OR FIELD CONDITIONS THAT DIFFER IN ANY WAY OR ANY RESULT FROM THE MOVING OF MATERIAL AND FOUIPMENT. THE CONTRACTOR SHALL CONTROL HIS OPERATION SPECIFICATIONS. INCLUDED IN THE UNIT COSTS FOR EACH ITEM SHALL BE THE COSTS ASSOCIATED WITH THE SEWER JOINTS SHALL BE STAGGERED. WHERE IT IS NOT POSSIBLE TO MAINTAIN A VERTICAL DISTANCE OF 18 INCHES AND ISLANDS. RESPECT FROM WHAT IS SHOWN ON THE PLANS, IN WRITING, BEFORE COMMENCEMENT OF WORK. CONSTRUCTED AND THOSE OF HIS SUBCONTRACTORS, AND ALL SUPPLIERS TO ASSURE THE LEAST INCONVENIENCE TO THI DESIGN AND CONSTRUCTION, BY THE CONTRACTOR, TO COMPLY WITH THE TRENCH SAFETY ACT, LAWS OF N PARALLEL INSTALLATIONS, THE WATER MAIN SHALL BE CONSTRUCTED OF DIP AND THE SEWER OR FORCE MAI ALL PARKING AREAS AND SIDEWALK RAMPS DESIGNATED FOR HANDICAP ACCESS SHALL CONTAIN TRAVELING PUBLIC. THE CONTRACTOR SHALL MAINTAIN FREE AND UNOBSTRUCTED MOVEMENT OF VEHICULAR IMPROVEMENTS MUST FALL WITHIN THE MAXIMUM AND MINIMUM LIMITATIONS IMPOSED BY THE BARRIER FREE SHALL BE CONSTRUCTED OF DIP (IF AVAILABLE IN THE SIZE PROPOSED), WITH A MINIMUM VERTICAL DISTANCE OF TRAFFIC AND LIMIT HIS OPERATIONS FOR THE SAFETY AND CONVENIENCE OF THE TRAVELING PUBLIC. UNDER ALL HORIZONTAL AND VERTICAL MEASUREMENTS IN ORDER TO VERIFY REQUIRED WIDTHS AND SLOPES HAVE BEEN REGULATIONS AND THE ADA REQUIREMENTS. INCHES. THE WATER MAIN SHOULD ALWAYS BE LOCATED ABOVE THE SEWER. JOINTS ON THE WATER MAIN SHALL BE CIRCUMSTANCES, SAFETY SHALL BE THE MOST IMPORTANT CONSIDERATION. BACKFILL AND COMPACTION OF TRENCHING FOR CULVERT INSTALLATION UNDER THIS SECTION SHALL BE IN IT WILL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ENSURE THAT THE HANDICAP PARKING SPACES. LOCATED AS FAR APART AS POSSIBLE FROM JOINTS ON THE SEWER OR FORCE MAIN (I.E., STAGGERED JOINTS). **DEWATERING NOTES:** HORIZONTAL AND VERTICAL DATA FOR ANY CONSTRUCTION THAT DEVIATES FROM THE APPROVED ACCORDANCE WITH SECTION 125-8.3, FDOT SPECIFICATIONS. DENSITY TESTS SHALL BE PROVIDED AT THE ACCESSIBLE ROUTES, AND SIDEWALKS/CROSSWALKS ARE CONSTRUCTED TO MEET ADA REQUIREMENTS. TH ENGINEERING DRAWINGS ALL DIP PIPE SHALL BE CLASS 50 OR HIGHER. REFER TO NOTE #S: 6, 9 & 10 BELOW FOR ADDITIONAL DII FOLLOWING VERTICAL LOCATIONS: CONTRACTOR MUST VERIFY THE SLOPES OF CONTRACTOR'S FORMS PRIOR TO POURING CONCRETE. IF ANY DURING THE EXCAVATION PROCESS IF GROUNDWATER IS ENCOUNTERED, THE CONTRACTOR SHALL CONSTRUCT SPECIFICATIONS. ADEQUATE MEASURES AGAINST CORROSION SHALL BE UTILIZED. WHERE THE PLANS CONTAIN SPECIFIC HORIZONTAL LOCATION DATA, SUCH AS STATION AND OFFSET, THE NON-CONFORMANCE IS OBSERVED OR EXISTS CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER PRIOR TO TWO TESTS* AT SPRINGLINE (ONE EACH SIDE OF THE PIPE); SEDIMENT BASIN TO PROVIDE A DISCHARGE POINT FOR DEWATERING. THE SEDIMENT BASIN CAN BE A CELL IN THE AS-BUILT DRAWINGS ARE TO REFLECT THE ACTUAL HORIZONTAL LOCATION. ALL PVC PIPE SHALL BE SOLID WALL POLYVINYL CHLORIDE PIPE AND COMPLY WITH ASTM D 3034 AND AL POURING CONCRETE. THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS TO REMOVE, REPAIR AND REPLACE ONE TEST* AT ONE-FOOT ABOVE PIPE; AND PROPOSED EXCAVATION AREA OF A POND OR IT CAN BE A BERMED AREA ABOVE GROUND OR AN ABOVE GOUN APPLICABLE ASTM DOCUMENTS AS COVERED IN SECTION No. 2 OF ASTM D 3034. MAIN LINES SHALL BE A MINIMUM OF WHERE THE PLANS CONTAIN SPECIFIC VERTICAL ELEVATION DATA, THE AS-BUILT DRAWINGS ARE TO REFLEC NON-CONFORMING CONCRETE. CHAMBER. ALL DEWATERING MUST BE RETAINED IN THE SEDIMENT AREA UNTIL THE WATER IS CLEAN SUCH THA ONE TEST* AT ONE-FOOT BELOW SUBGRADE OR FINISH GRADE THE ACTUAL MEASURED VERTICAL ELEVATION. 8" DIAMETER, AND LATERALS SHALL BE A MINIMUM 6" DIAMETER. THERE WOULD BE NO TURBID DISCHARGE. AFTER THE WATER IN THE SEDIMENT BASIN IS CLEAN, THE WATER MA' * = DENSITY OF AT LEAST 100% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-99, METHOD C. IS STRONGLY RECOMMENDED THAT THE CONTRACTOR REVIEW THE INTENDED CONSTRUCTION WITH THE LOCAL SANITARY SEWER: ALL SANITARY SEWER MAINS, LATERALS AND FORCE MAINS SHALL HAVE A MINIMUM OF 36 INCHES OF COVER BE RELEASED INTO THE ON-SITE POND PROVIDED THERE IS NO ADVERSE IMPACT TO THE EXISTING WATER QUALITY JILDING CODE PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY REQUIREMENTS LISTED ABOVE OR OTHER UNLESS OTHERWISE NOTED ON PLANS. THE MINIMUM NUMBER OF HORIZONTAL TEST LOCATIONS IS TWO PER CULVERT INSTALLATION, ONE PER 100 TOP ELEVATION OF EACH MANHOLE FRAME AND COVER AND INVERTS OF EACH LINE ENTERING AND LEAVING IF LIMITED AVAILABLE SPACE BECOMES A CONSTRAINT DURING CONSTRUCTION ACTIVITIES. AND A SETTLING PON ON-STATED ADA REQUIREMENT THAT CAN NOT BE MET SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION LINEAL FEET OF PIPE AND/OR ONE PER 20 FEET OF PAVEMENT CROSSING WHICHEVER IS GREATER. ADDITIONAL ALL GRAVITY SEWERS MUST BE SDR 21 PVC OR SCHEDULE 40 PIPE. ELASTOMERIC GASKET JOINTS SHALL BE UTILIZED EACH MANHOLE/STRUCTURE. CAN NOT BE CONSTRUCTED THEN WE RECOMMEND UTILIZING A BAKER TANK AND NON-CATIONIC FLOCCULENT TO IMEDIATELY. ANYTHING NOT BUILT TO THE ABOVE STANDARDS WILL REQUIRE REMOVAL AND REPLACEMENT OF THE TESTS MAY BE REQUIRED AT MORE FREQUENT INTERVALS IF DEEMED NECESSARY BY THE ENGINEER. FOR PVC PIPE, AND SHALL COMPLY WITH ASTM F477, ASTM D3231 & ASTM F1336. JOINTS SHALL COMPLY WITH ASTM REMAIN IN COMPLIANCE WITH THE GENERIC PERMIT. THE MANUFACTURER INFORMATION SHEET FOR TH • LENGTH OF EACH RUN OF MAIN BETWEEN MANHOLES (CENTER TO CENTER). NCOMPLIANT AREAS AT THE GENERAL CONTRACTOR'S COST. FLOCCULENT SHOULD BE KEPT ONSITE ALONG WITH THE PERMIT, IF UTILIZED TO REDUCE TURBIDIT ACTUAL GRADE/SLOPE OF PIPE BETWEEN MANHOLES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE INDEPENDENT TESTING PAVING AND GRADING NOTES: ALL PVC FORCE MAINS (IF REOUIRED) SHALL BE CLASS 200, DR 14 FOR 4" DIAMETER, AND CLASS 150, DR 18 FOR 6" T IF THE GROUDNWATER CAN NOT BE CONTAINED ON-SITE AND MUST BE DISCHARGED OFF-SITE, THE CONTRACTORS LOCATE ALL SERVICE WYES FROM DOWNSTREAM MANHOLE WITH DEPTH AT LOT LINE AND DISTANCE FROM LABORATORY DESIGNATED BY THE OWNER. THE TESTING AND RETESTING NECESSARY TO ASSURE THAT THE 12" DIAMETER PIPE, IN ACCORDANCE WITH AWWA C900 STANDARDS. PVC FORCE MAIN PIPE SMALLER THAN 4 RESPONSIBLE FOR FILING FOR AN FDEP DEWATERING NOI, ALL WATER TESTING REQUIREMENTS SET FORTH BY TH THE MAIN LINE. WORK HAS BEEN PERFORMED IN STRICT COMPLIANCE WITH THESE ACTIONS. COST FOR THE INITIAL TESTING DIAMETER SHALL BE CLASS 200, SDR 21, IN ACCORDANCE WITH ASTM D 2241. FORCE MAINS SHALL BE SPIRAL LOCAL JURISDICTION AND FDEP. IF THE PROJECT IS WITHIN PROXIMITY OF CONTAMINATION OR SUSPECTE LOCATE WITH MEASUREMENTS FROM PERMANENT VISIBLE OBJECTS ALL FITTINGS/ACCESSORIES NOT VISIBLE SHALL BE BORNE BY THE OWNER. ANY RETEST REQUIRED DUE TO FAILURE TO MEET THE MINIMUM WRAPPED WITH 2 INCH WIDE DARK GREEN STICK-ON VINYL TAPE. FORCE MAINS WITHIN THE RIGHT-OF-WAY SHALI IS TO BE EXCAVATED IN ACCORDANCE WITH THESE PLANS OR AS DIRECTED BY THE OWNER, THE OWNER'S FROM THE SURFACE (MINIMUM TWO POINT TIES). CONTAMINATION THE GROUNDWATER WILL HAVE TO BE TESTED PER FDEP REOUIREMENTS AT A MINIMUM. N REQUIREMENTS ABOVE SHALL BE PERFORMED AT THE EXPENSE OF THE CONTRACTOR. POLLUTED WATERS SHALL BE DISCHARGED INTO STORM SYSTEM OR BODIES OF WATER. BEFORE DISCHARGE OF BE CLASS 52 DIP, MINIMUM 3" DIAMETER. ENGINEER, OR OWNER'S SOILS TESTING COMPANY. DELETERIOUS MATERIAL IS TO BE STOCKPILED OR REMOVED FROM THE SITE AS DIRECTED BY THE OWNER. EXCAVATED AREAS ARE TO BE BACKFILLED WITH APPROVED PRODUCED GROUND WATER TO ANY SURFACE WATER OF THE STATE FROM A NON-CONTAMINATED SIT A. CULVERTS: CONSTRUCTION METHODS FOR DRAINAGE CULVERTS SHALL CONFORM TO THE REQUIREMENTS OF ALL SANITARY MANHOLES SHALL BE LOCATED NO MORE THAN 400 FEET APART AND SHALL CONFORM TO THE ANALYTICAL TESTS ON SAMPLES OF DISCHARGE WATER SHALL BE PERFORMED TO DETERMINE CONTAMINATION MATERIALS AND COMPACTED AS SHOWN ON THESE PLANS. CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ANY ECTIONS 125 AND 430, FDOT SPECIFICATIONS. DETAILS CONTAINED HEREIN, AS WELL AS WITH ASTM C478. TOP ELEVATION OF EACH MANHOLE FRAME AND COVER/GRATE AS WELL AS ALL OTHER STRUCTURES TEST RESULTS MUST MEET MINIMUM REQUIREMENTS SET BY FDEP [DOCUMENT 62-621.300(2) GENERIC PERMIT FOR PERMITS THAT ARE NECESSARY FOR REMOVING DELETERIOUS MATERIAL FROM THE SITE. (HEADWALLS, CONTROL STRUCTURES, ETC.) AND INVERT OF EACH LINE ENTERING AND LEAVING EACH ALL DUCTILE IRON PIPE SHALL MEET REOUIREMENTS OF AWWA C151, ANSI SPEC. A21.51 THE DISCHARGE OF PRODUCED GROUNDWATER FROM NON-CONTAMINATED SITE ACTIVITYI. ANY DEWATERING B. CORRUGATED ALUMINUM (C.A.P.): ALL C.A.P. SHALL BE ALUMINUM ALLOY ROUND PIPE HELICALLY WOUND THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXCAVATIONS AGAINST COLLAPSE AND WILL PROVIDE STRUCTURE, INCLUDING UNDERDRAIN PIPES AND ROCK ENVELOPES. ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE PROVIDED WITH A VIRGIN POLYETHYLENE INTERIOR LINING DRAINAGE DISCHARGED INTO SANITARY SEWERS MUST BE APPROVED BY THE GOVERNING WASTEWATER DIVISION CORRUGATED PIPE CONFORMING TO AASHTO-M 196-74 AND FDOT SECTION 945. BRACING, SHEETING OR SHORING AS NECESSARY. DEWATERING METHODS SHALL BE USED AS REQUIRED TO KEEP INVERTS OF ALL MITERED END SECTIONS COMPLYING WITH ASTM D 1248 (40 MILS THICK) HEAT BONDED TO THE INTERIOR OF ALL PIPES. ALL DIP PIPE SHALI TRENCHES DRY WHILE PIPE AND APPURTENANCES ARE BEING PLACED. HAVE A STANDARD OUTSIDE COATING COMPLYING WITH ASTM C151-8.1 ACTUAL GRADE/SLOPE OF PIPE BETWEEN THE STRUCTURES. C. REINFORCED CONCRETE PIPE (R.C.P.): RCP SHALL CONFORM TO THE REQUIREMENTS OF ASTM SPECIFICATION UNDER NO CIRCUMSTANCES WILL THE DISCHARGE FROM THE ON-SITE DEWATERING BE DIRECTLY DISCHARGE ALL NECESSARY FILL AND EMBANKMENT THAT IS PLACED DURING CONSTRUCTION SHALL CONSIST OF MATERIAL • INVERT ELEVATION AND TWO HORIZONTAL TIES FROM PERMANENT VISIBLE OBJECTS TO ALL STORM C-76, CLASS III, WALL THICKNESS "B", LATEST REVISION, AND AS MODIFIED BY SECTION 941 OF FDOT LL SLOPES FOR GRAVITY SEWER MAINS AND SERVICE CONNECTIONS SHALL COMPLY WITH STATE AND LOCAL SPECIFIED BY THE OWNER'S SOILS TESTING COMPANY (OWNER) OR ENGINEER AND BE PLACED AND COMPACTED STANDARD SPECIFICATIONS, LATEST REVISION, GASKETS FOR PIPE JOINTS SHALL CONFORM TO FDOT UTILITY CRITERIA. CONTRACTOR TO NOTIFY ENGINEER IF THE SLOPES DEVIATES FROM THOSE SHOWN ON THI ACCORDING TO THESE PLANS. STORMWATER POND TOP OF BERM AND POND BOTTOM ELEVATIONS AND HORIZONTAL DIMENSIONS MEASURED CONSTRUCTION DOCUMENTS. TURBIDITY READINGS SHOULD BR COLLECTED TWICE DAILY, AT LEAST FOUR HOURS APART, TO CONFIRM TURBIDIT AT A MINIMUM OF TEN LOCATIONS PER POND, AT LOCATIONS DESIGNATED BY THE ENGINEER. TOP OF POND PROPOSED SPOT ELEVATIONS REPRESENT FINISHED PAVEMENT OR GROUND SURFACE GRADES UNLESS OTHERWISE IS KEPT BELOW 29 NTUS. THE SAMPLES WILL BE COLLECTED AT THE DISCHARGE LOCATION. A LOG OF DAIL' ALL UTILITIES SHALL BE INSTALLED WITH COMPLIANCE TO GOVERNING JURISDICTION STANDARDS CONSTRUCTION D. CONTROL STRUCTURES: PRE-CAST CONCRETE CATCH BASINS SHALL MEET THE REQUIREMENTS OF ASTM HORIZONTAL DIMENSIONS ARE ALSO TO BE TIED TO PROPERTY CORNERS, EASEMENTS, AND RIGHTS-OF-WAY. TURBIDITY MEASUREMENTS WILL BE KEPT ONSITE FOR THE DURATION OF DEWATERING ACTIVITIES ALONG WIT DETAILS AND LAND DEVELOPMENT CODE. PECIFICATIONS C-478 AND FDOT STANDARD SPECIFICATION 425. CONCRETE FOR PRE-CAST BASINS SHALL STORMWATER CONTROL STRUCTURE DIMENSIONS AND ELEVATIONS, INCLUDING ALL WEIRS, SLOTS, ORIFICES, FINISHED SURFACES ADJACENT TO PAVED AREAS AND WITHIN 10 FEET OF STRUCTURES SHALL BE WITHIN 1 INCH OF DAILY MEASUREMENTS OF THE FLOW RATE IN GALLONS PER DAY PRIOR TO COMMENCING WORK WHICH REQUIRES CONNECTING PROPOSED FACILITIES TO EXISTING LINES OF HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS. SHOP DRAWING ARE REQUIRED. GRATES, AND SKIMMERS. THE PROPOSED GRADE. ALL OTHER AREAS SHALL BE WITHIN 3 INCHES OF THE PROPOSED GRADE IT IS THE CONTRACTOR'S RESPONSIBILITY TO DEVELOP A DEWATERING SYSTEM THAT PROVIDES PRETREATMENT (APPURTENANCES, THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION(S) OF EXISTING CONNECTION EFFLUENT PRIOR TO DISCHARGE INTO ADJACENT SURFACE WATERS OR LOCAL SANITARY UTILITY SYSTEM, I POINT(S) AND NOTIFY THE OWNER'S ENGINEER OF ANY CONFLICTS OR DISCREPANCIES. IT MAY BE NECESSARY TO FIELD ADJUST PAVEMENT ELEVATIONS TO PRESERVE THE ROOT SYSTEMS OF TREES WATER AND REUSE SYSTEMS AND FORCE MAINS: ALLOWED/REQUIRED. THE CONTRACTOR'S DEWATERING METHOD MUST MEET ALL FEDERAL, STATE, AND LOCA SHOWN TO BE SAVED. CONTRACTOR TO COORDINATE WITH OWNER'S ENGINEER PRIOR TO ANY ELEVATION SANITARY SEWER MAINS SHALL HAVE SUITABLE MAGNETIC LOCATOR TAPE(S) BURIED AT LEAST 18 INCHES ABOVE LAWS, RULES, AND REGULATIONS CONCERNING THIS PRACTICE INCLUDING THE USE OF PERMITTED OUTFAL ACTUAL LENGTHS OF PIPE BETWEEN BRANCHES AND VALVES IN THE RUN. STRUCTURES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND APPLY FOR A DEWATERING PERMI · LOCATE WITH MEASUREMENTS FROM PERMANENT VISIBLE OBJECTS ALL FITTINGS/ACCESSORIES NOT VISIBLE CONTRACTOR SHALL SAW CUT, TACK, AND MATCH EXISTING PAVEMENT AT LOCATIONS WHERE NEW PAVEMENT WITH THE APPROPRIATE WATER MANAGEMENT DISTRICT AND LOCAL GOVERNING JURISDICTION. FORCE MAINS SHALL HAVE SUITABLE MAGNETIC LOCATOR TAPE(S) BURIED AT LEAST 18 INCHES ABOVE THE FORCE FROM THE SURFACE (MINIMUM TWO POINT TIES). PAVEMENT IMPROVEMENTS: PAVEMENT CONSTRUCTION SHALL BE AT THE LOCATIONS AND TO THE ELEVATIONS THE DEWATERING SYSTEM SHALL BE DESIGNED, AND BE PROVIDED, USING ACCEPTED AND PROFESSIONAL METHODS • LIST THE DEPTHS OF THE LINES AT ALL VALVES, FITTINGS AND FIRE HYDRANTS UNIFORMLY SMOOTH GRADE THE SITE. DEPRESSIONS FROM SETTLEMENT SHALL BE FILLED AND COMPACTED. TOPS SHOWN ON THE PLANS, AND IN ACCORDANCE WITH THESE SPECIFICATIONS, FDOT AND PALM BEACH COUNTY CONSISTENT WITH CURRENT INDUSTRY PRACTICE. PROVIDE DEWATERING SYSTEM OF SUFFICIENT SIZE AND **TESTING AND INSPECTION REQUIREMENTS** • POTABLE WATER SHALL CLEARLY INDICATE COMPLIANCE TO MINIMUM SEPARATION DISTANCES OR REQUIRED OF EMBANKMENTS AND BREAKS IN GRADE SHALL BE ROUNDED. FINISHED SURFACES SHALL BE REASONABLY SPECIFICATIONS. CAPACITY TO CONTROL GROUNDWATER IN A MANNER THAT PRESERVES STRENGTH OF FOUNDATION SOILS, DOES OT CAUSE INSTABILITY OR RAVELING OF EXCAVATION OR RAVELING OF EXCAVATION SLOPES AND DOES PAVEMENT: THE CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIALS NECESSARY TO COMPLETE THE OBTAINED BY BLADE-GRADER OPERATIONS. RESULT IN DAMAGE TO EXISTING STRUCTURES. WHERE NECESSARY TO THESE PURPOSES, LOWER WATER LEVEL I PRIOR TO THE CIVIL ENGINEERING PUNCH LIST INSPECTION THE CONTRACTOR SHALL SEND THE ENGINEER A ALL GRAVITY SEWER PIPING SHALL BE SUBJECT TO A VISUAL INSPECTION BY THE OWNER'S ENGINEER AND ITEMS OF WORK FOR PAVING IMPROVEMENTS UNDER THIS SECTION AT THE LOCATIONS AND TO THE EXTENT ADVANCE OF EXCAVATION UTILIZING WELLS, WELLPOINTS, OR SIMILAR POSITIVE METHODS.MAINTAIN TH CURBING SHALL BE PLACED AT THE EDGES OF ALL PAVEMENT, UNLESS OTHERWISE NOTED. REFER TO THE LATEST AS-BUILT SURVEY. THE ENGINEER WILL REVIEW THE DRAWINGS FOR COMPLETENESS IN ACCORDANCE WITH THE HOWN ON THE PLANS. PAVEMENT SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS AND IN ACCORDANCE APPLICABLE MUNICIPALITY/AGENCY. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 48 HOURS IN ADVANCE TO GROUNDWATER LEVEL TO A MINIMUM OF 2 FEET BELOW EXCAVATIONS. PROVIDE PIEZOMETERS IF DIRECTED BY TH EDITION OF F.D.O.T. "ROADWAY AND TRAFFIC DESIGN STANDARDS" FOR DETAILS AND SPECIFICATIONS OF ALL REQUIREMENTS OF THESE NOTES WITHIN FIVE (5) FULL WORKING DAYS, FOR PRELIMINARY REVIEW, SUBMITTAL SCHEDULE INSPECTION(S). THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COSTS ASSOCIATED WITH A WITH THESE SPECIFICATIONS, FDOT AND PALM BEACH COUNTY SPECIFICATIONS. ENGINEER TO DOCUMENT THE GROUNDWATER LEVEL IS BEING MAINTAINED. F.D.O.T. TYPE CURB AND GUTTERS CALLED FOR IN THESE PLANS. IN AUTOCAD AND PDF FORMAT IS SUFFICIENT, IF ANY DEFICIENCIES ARE NOTED, ONE COPY OF REDLINEI TELEVISED INSPECTION (TV) OF THE PROPOSED GRAVITY SEWER LINE CONSTRUCTION. THE CONTRACTOR SHAL CONTROL BY ACCEPTABLE MEANS, ALL WATER REGARDLESS OF SOURCE AND BE FULLY RESPONSIBLE FOR DISPOSA 1) STABILIZED SUBGRADE SHALL HAVE A MINIMUM FBV RATIO OF 75. AND MINIMUM DENSITIES SHALL BE 98% OF PROVIDE COPIES OF THE TV INSPECTION TAPE TO THE ENGINEER, THE OWNER AND THE APPLICABLE PRIOR TO CONSTRUCTING CONCRETE PAVEMENT, THE CONTRACTOR IS TO SUBMIT A PROPOSED JOINTING PATTERN AS-BUILTS WILL BE GIVEN TO THE GENERAL CONTRACTOR FOR REVISIONS TO BE MADE, REVISED AS-BUILTS WILL OF THE WATER. NO ADDITIONAL PAYMENT WILL BE MADE FOR ANY SUPPLEMENTAL MEASURES TO CONTROL MAXIMUM AS DETERMINED BY THE AASHTO T-180 METHOD C. MATERIALS AND CONSTRUCTION METHODS MUNICIPALITY/AGENCY. TO THE SOILS ENGINEER FOR REVIEW/APPROVAL. NEED TO BE FORWARDED TO THE OWNER'S ENGINEER BEFORE ANY CERTIFICATIONS WILL BE INITIATED SEEPAGE GROUNDWATER OR ARTESIAN HEAD. SHALL BE FURNISHED BY THE CONTRACTOR, AND CONFORM TO SECTION 160, FDOT SPECIFICATIONS FOR TY IT IS STRONGLY RECOMMENDED THAT THE CONTRACTOR KEEP A DAILY "AS-BUILT" SET OF DRAWINGS WHILE TH THE CONTRACTOR SHALL PERFORM AN INFILTRATION/EXFILTRATION TEST ON ALL GRAVITY SEWERS II CONTRACTOR TO PROVIDE A 1/2" TO 1" BITUMINOUS EXPANSION JOINT MATERIAL WITH SEALER AT ABUTMENT OF C STABILIZATION AND PAID FOR AS PART OF THE WORK UNDER THIS SECTION. COMPACTED SUBGRADE WITHIN OPEN PUMPING WITH SUMPS AND DITCHES SHALL BE ALLOWED PROVIDED IT DOES NOT RESULT IN BOILS. LOSS O ACCORDANCE WITH THE REGULATORY AGENCY HAVING JURISDICTION, SAID TESTS ARE TO BE CERTIFIED BY THE CONCRETE AND OTHER MATERIALS (STRUCTURES, OTHER PLACED CONCRETE, ETC.). WORK BEING DONE IS VISIBLY EXPOSED ACCORDING TO THE CRITERIA OUTLINED HEREIN. THE LIMITS SHOWN ON PLANS. THIS STABILIZED SUBGRADE SHALL BE USED FOR ALL ASPHALT PARKING FINES, SOFTENING OF THE GROUND, OR INSTABILITY OF SLOPES. SUMPS SHALL BE LOCATED OUTSIDE OF LOAI ENGINEER OF RECORD AND SUBMITTED TO THE REGULATORY AGENCY FOR APPROVAL. THE SCHEDULING, BEARING AREAS SO THE BEARING SURFACES WILL NOT BE DISTURBED. WATER CONTAINING SILT IN SUSPENSIO SEAL CONCRETE PER ASTM C309 OR ASTM C1315 (TYPE II) PRIOR TO SAW CUTTING CONTROL JOINTS. THE ENGINEER RESERVES THE RIGHT TO REOUIRE THE CONTRACTOR TO UNCOVER, RETEST AND/OR PERFORM ANY COORDINATION AND NOTIFICATION OF ALL PARTIES IS THE CONTRACTOR'S RESPONSIBILITY. SHALL BE PUMPED INTO SEWER LINES OR ADJACENT STREAMS, DURING NORMAL PUMPING AND UPON DEVELOPMEN ACTION NECESSARY TO ENSURE THAT THE IMPROVEMENTS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING ALL EXISTING MANHOLE AND INLET COVERS, VALVE BOXES 2) BASE COURSE SHALL BE LIMEROCK, COOUINA, OR SHELLROCK AS SHOWN ON THE PLANS, AFTER COMPACTION WELL(S), LEVEL OF FINE SAND OR SILT IN THE DISCHARGE WATER SHALL NOT EXCEED 5PPM. BLOW-OFF RISERS, ETC. TO PROPOSED ELEVATIONS, AS REQUIRED, WHETHER SPECIFICALLY SHOWN ON PLANS OR THE BASE SHALL HAVE A DENSITY THAT IS 98% OF MAXIMUM AS DETERMINED BY THE AASHTO T-180 METHOD A. THE LEAKAGE EXFILTRATION OR INFILTRATION DOES NOT EXCEED 150 GALLONS PER INCH OF PIPE DIAMETER PER THE CONTRACTOR SHALL BE REQUIRED TO PERMIT THE DEWATERING SYSTEM WITH THE LOCAL WATER THE CONTRACTOR'S GEOTECHNICAL ENGINEER SHALL CERTIFY TO OWNER'S ENGINEER THAT ALL SITE, UTILITY, MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO SECTION 200 OR 250. DOT SPECIFICATIONS. MILE PER DAY FOR ANY SECTION OF THE SYSTEM. MANAGEMENT DISTRICT IF: AND ROADWAY COMPACTION, BERM STABILITY, AND PAVEMENT CONSTRUCTION SPECIFICATIONS HAVE BEEN ALL SIGNING AND PAVEMENT MARKINGS SHALL BE PROVIDED IN ACCORDANCE WITH THE LATEST EDITIONS OF THI WHICHEVER IS APPLICABLE FOR THE BASE MATERIAL USED. THIS BASE COURSE SHALL BE USED FOR ALL B. MANHOLE LEAKAGE TEST SHALL NOT EXCEED FOUR (4) GALLONS PER DAY PER UNIT. NO VISUAL LEAKAGE CONSTRUCTED TO MEET THE RECOMMENDATIONS OF THE DESIGN GEOTECHNICAL ENGINEER. A. 100.000 GPD TOTAL IN A 24 HOUR (1 DAY) PERIOD FROM DEWATERING MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) B. 1.000.000 GPD PUMP CAPACITY IS REOUIRED DESIGN STANDARDS, AND/OR LOCAL GOVERNING JURISDICTION. C. EXFILTRATION OR INFILTRATION TESTS BE PERFORMED WITH A MINIMUM POSITIVE HEAD OF 2 FEET THE DESIGN ENGINEER RESERVES THE RIGHT TO REQUIRE PERMEABILITY TESTING RESULTS AND BORING LOGS 3) SURFACE COURSE SHALL BE TYPE S-III ASPHALTIC CONCRETE CONFORMING TO FDOT SECTION 331, EXCEPT GROUNDWATER WELL SIZE 8" IN DIAMETER OR GREATER WITHIN DRY RETENTION/DETENTION BASINS TO BE PROVIDED TO OR COMPLETED BY THE GEOTECHNICAL D. AIR TESTS, AS MINIMUM, CONFORM TO THE TEST PROCEDURE DESCRIBED IN ASTM C-924 FOR CONCRETE PIPE THE CONTRACTOR WILL STABILIZE BY SEED AND MULCH SOD OR OTHER APPROVED MATERIALS (REFER T THAT THE MAXIMUM AGGREGATE SIZE SHALL BE 1/2' AND SHALL HAVE A MINIMUM 1000 POUNDS MARSHAL D. CUMULATIVE OUTSIDE DIAMETER OR SURFACE WATER WITHDRAWAL PIPES IS 6" IN DIAMETER OR GREATER ENGINEER CERTIFYING THE RECOVERY TO THE DESIGN ENGINEER. QUANTITIES, LOCATIONS, AND DEPTHS BELOW ASTM F-1417 FOR PLASTIC PIPE AND FOR OTHER MATERIALS APPROPRIATE TEST PROCEDURES, AIR TESTING, II PLANS). ANY AND ALL DISTURBED AREAS WITHIN ONE WEEK FOLLOWING CONSTRUCTION OF THE UTILITY SYSTEMS SPECIFIED FOR CONCRETE SEWER MANHOLES, CONFORMS TO THE TEST PROCEDURES DESCRIBED IN ASTM C-1244 AND PAVEMENT AREAS. CONTRACTOR SHALL MAINTAIN SUCH AREAS UNTIL FINAL ACCEPTANCE BY OWNER AND FINISHED GRADE SHALL BE SPECIFIED BY THE GEOTECHNICAL ENGINEER. THE CONTRACTOR SHALL BE REQUIRED TO PERMIT THE DEWATERING SYSTEM WITH WATER MANAGEMEI OWNER'S ENGINEER. CONTRACTOR TO COORDINATE WITH OWNER REGARDING TYPE OF MATERIAL, LANDSCAPING COPIES OF PASSING TEST RESULTS SHALL BE PROVIDED TO THE DEVELOPER ENGINEER OF RECORD CONTRACTOR AND IRRIGATION REQUIREMENTS. DEFLECTION TESTS SHALL BE PERFORMED IN ACCORDANCE WITH THE RECOMMENDED STANDARDS FO DISTRICT. HOWEVER, IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY WITH THE LOCAL WATER MANAGEMEN E PAVING: CONCRETE PAVING SHALL MEET THE STRENGTH REQUIREMENT SHOWN IN THESE PLANS AND LOCAL MUNICIPALITY/AGENCY FOR PURPOSES, SUCH AS BUT NOT LIMITED TO, CERTIFICATION, AND AND GOVERNING JURISDICTION ON THE PERMIT REQUIREMENTS FOR DEWATERING, ALL PERMITS SHALL BE SUBMIT WASTEWATER FACILITIES, CHAPTER 33.85, FOR ALL GRAVITY SANITARY SEWER LINES, TESTING IS REOUIRED AFTER AND SHALL BE EITHER FIBER OR STEEL REINFORCED AT THE DIRECTION OF THE OWNER. ELEVATIONS REFER TO NAVD 1988 VERTICAL DATUM. ACCEPTANCE OF FACILITIES BY THE DEVELOPER AND/OR MUNICIPALITY/AGENCY. THE FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 30 DAYS TO PERMIT STABILIZATION OF THE SOIL-PIPE A MINIMUM OF 21 DAYS PRIOR TO STARTING DEWATERING ACTIVITIES. GRADING SHOWN ON THESE PLANS IS PROVIDED TO CONTRACTOR TO EXPRESS THE GENERAL GRADING INTENT OF THE CONTRACTOR SHALL NOTIFY THE ENGINEER WHEN CONSTRUCTION IS COMPLETE FOR WATER, WASTEWATER, ADDITIONAL TESTS MAY BE REQUIRED FOR THE DRIVEWAY CONSTRUCTION OR AT MORE FREQUENT CONTINUOUSLY MAINTAIN EXCAVATIONS IN A DRY CONDITION WITH POSITIVE DEWATERING METHODS DURIN THE PROJECT. THE CONTRACTOR SHALL BE EXPECTED TO GRADE THE ENTIRE SITE TO PROVIDE POSITIVE DRAINAGE AND STORMWATER SYSTEMS SO TIMELY CERTIFICATIONS MAY BE INITIATED. SATISFACTORY BACTERIOLOGICA INTERVALS IF DEEMED NECESSARY BY THE ENGINEER. PREPARATION OF SUBGRADE. INSTALLATION OF PIPE. AND CONSTRUCTION OF STRUCTURES UNTIL THE CRITICAL IN ALL AREAS THROUGHOUT THE SITE. SMOOTH TRANSITIONS SHALL BE PROVIDED BETWEEN CONTOURS OR SPOT <u>EST RESULTS, PRESSURE TEST RESULTS, AND AN AS-BUILT SURVEY SHAL</u>L BE SUBMITTED TO ENGINEER FOR AL B. USING A RIGID BALL OR MANDREL FOR THE PIPE DEFLECTION TESTS WITH A DIAMETER NOT LESS THAN 95% OF PERIOD OF CONSTRUCTION AND/OR BACKFILL IS COMPLETED TO PREVENT DAMAGE OF SUBGRADE SUPPORT, PIPING ELEVATIONS AS SHOWN ON THE PLANS TO ACCOMPLISH THE GRADING INTENT. ALL SLOPES SHALL BE STABILIZED THE BASE INSIDE DIAMETER OR AVERAGE INSIDE DIAMETER OF THE PIPE, DEPENDING ON WHICH IS SPECIFIED IN STRUCTURE, SIDE SLOPES, OR ADJACENT FACILITIES FROM FLOATATION OR OTHER HYDROSTATIC PRESSURI IMMEDIATELY AFTER FINAL GRADING HAS BEEN COMPLETED. CONTRACTOR SHALL NOTIFY OWNER AND ENGINEER THE ASTM SPECIFICATION, INCLUDING THE APPENDIX, TO WHICH THE PIPE IS MANUFACTURED. IN CASES WHERE THE OWNER DETERMINES PARTIAL CLEARANCES FROM PERMITTING AGENCIES ARE BENEFICIAL IALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE INDEPENDENT TESTIN PRIOR TO DEMOBILIZATION OF GRADING EQUIPMENT TO DETERMINE THAT THE GRADING INTENT HAS BEEN TO THE OWNER FOR COMPLETED PORTIONS OF THE PROJECT, PROVIDE PRELIMINARY RECORD DRAWINGS (AUTOCAL LABORATORY DESIGNATED BY THE OWNER, THE TESTING AND RETESTING NECESSARY TO ASSURE THAT ALL IF SILTY/CLAY SANDS, WHICH CAUSE THE WATER TO BECOME TURBID, ARE ENCOUNTERED THEN THE WATER SHAI PAVEMENT RELATED WORK HAS BEEN PERFORMED IN STRICT COMPLIANCE WITH THESE SPECIFICATIONS COST ALL FORCE MAINS (IF APPLICABLE) SHALL BE SUBJECT TO A HYDROSTATIC PRESSURE TEST IN ACCORDANCE WITH FORMAT) TO THE ENGINEER FOR ITS USE IN PREPARING THE PARTIAL CLEARANCE APPLICATIONS FOR THE OWNER. BE TREATED WITH CHEMICAL ADDITIVES, SUCH AS ALUM, IN THE SEDIMENT BASIN IN ORDER TO PROMOTE THE NEWLY GRADED AREAS SHALL BE PROTECTED FROM TRAFFIC AND EROSION, ALL SETTLEMENT OR WASHING AWAY FOR THE INITIAL TESTING SHALL BE BORNE BY THE OWNER. ANY RETESTS REQUIRED DUE TO FAILURE TO MEET THE REGULATORY AGENCY HAVING JURISDICTION. SAID TESTS ARE TO BE CERTIFIED BY THE ENGINEER OF RECORD COAGULATION OF THE PARTICLES WHICH ALLOW THE SEDIMENT TO SETTLE AND THE WATER TO BECOME LES COMPLETE RECORD DRAWINGS THAT ARE FOUND TO BE SATISFACTORY AS A RESULT OF THE ENGINEER'S REVIEW THAT MAY OCCUR FROM ANY CAUSE PRIOR TO SEEDING OR ACCEPTANCE SHALL BE REPAIRED AND GRADES THE MINIMUM REQUIREMENTS ABOVE SHALL BE PERFORMED AT THE EXPENSE OF THE CONTRACTOR. AND SUBMITTED TO THE REGULATORY AGENCY FOR APPROVAL. THE SCHEDULING, COORDINATION AND TURBID. IF TURBID WATER IS ENCOUNTERED DURING THE EXCAVATION OF THE PONDS. THE CONTRACTOR SHAL WILL BE USED AS THE BASIS FOR THE FINAL PROJECT RECORD DRAWINGS PREPARED BY THE ENGINEER USING TH RE-ESTABLISHED TO THE REQUIRED ELEVATIONS AND SLOPES AT NO ADDITIONAL COST TO THE OWNER. NOTIFICATION OF ALL PARTIES IS THE CONTRACTOR'S RESPONSIBILITY. NOTIFY THE ENGINEER OF RECORD IMMEDIATELY TO DETERMINE THE COURSE OF ACTION THAT IS APPROPRIATE I CONTRACTOR PROVIDED RECORD DRAWINGS PLUS ENGINEER ADDED INFORMATION. MINIMUM TESTING DETERMINATION FOR ALL ITEMS OF WORK UNDER PAVING AREAS SHALL BE AS FOLLOWS: ELIMINATE THE TURBIDITY AND ALLOW DISCHARGE THAT MEETS WATER QUALITY STANDARDS. testing and inspection requirements COORDINATE WITH THE ENGINEER. GOVERNING UTILITY AUTHORITY AND INSTALLER FOR THE COMPLETE SIGNED AND SEALED RECORD DRAWINGS ARE REQUIRED TO BE DELIVERED TO THE OWNER PRIOR TO LIFT-STATION/WASTEWATER PUMP STATION START-UP. START-UP PROCEDURES SHALL FOLLOW THE GOVERNING THE EXCAVATION PROCESS SHALL BE SEQUENCED IN SUCH A MANNER SUCH THAT THE SEDIMENT BASIN WILL B (PAVING/GRADING): FINAL INSPECTION OF THE PROJECT. FINAL INSPECTIONS WILL ONLY BE SCHEDULED UPON RECEIPT OF SIGNED AND UTILITY AUTHORITY. ENGINEER REOUIRES 48 HOUR NOTICE PRIOR TO REOUESTED START-UP DATE... AVAILABLE AT ALL TIMES. THE SEDIMENT BASIN CAN BE RELOCATED AS NECESSARY SUBJECT TO THE WATE SEALED RECORD DRAWINGS THAT HAVE BEEN REVIEWED BY THE ENGINEER AND DELIVERED BY THE ENGINEER TO WITHIN THE SEDIMENT BASIN BEING NON-TURBID AND ACCEPTABLE FOR DISCHARGE. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING APPLICABLE TESTING WITH THE SOILS ENGINEER. TESTS BEARING VALUE DENSITY THICKNESS IF THE ABOVE TESTING REQUIREMENTS ARE IN CONFLICT WITH ANY LOCAL, STATE, OR FEDERAL AGENCY, THE MORE WILL BE REQUIRED PURSUANT WITH SITE SPECIFIC GEOTECHNICAL REPORT FOR THE SITE, AS WELL AS THE TESTING STRINGENT REQUIREMENTS SHALL APPLY. WHEN CONSTRUCTION IS COMPLETE, REMOVE ALL DEWATERING EQUIPMENT FROM SITE INCLUDING WELLS AND THE CONTRACTOR IS RESPONSIBLE FOR ENSURING DESIGN PARAMETERS ARE MET TO THE SATISFACTION OF THE SCHEDULE REQUIRED BY FDOT AND THE AFFECTED MUNICIPALITY. THE MORE STRINGENT REQUIREMENTS SHALL RELATED TEMPORARY ELECTRICAL SERVICE. SUBGRADE GEOTECHNICAL AND DESIGN ENGINEER PRIOR TO CERTIFICATION OF COMPLETION. APPLY. UPON COMPLETION OF WORK, THE SOILS ENGINEER WILL SUBMIT CERTIFICATIONS TO THE OWNER AND OWNER'S ENGINEER STATING THAT ALL REQUIREMENTS HAVE BEEN MET. LIMEROCK OR COQUINA BASE A QUALIFIED TESTING LABORATORY SHALL PERFORM ALL TESTING NECESSARY TO ASSURE COMPLIANCE OF THE BETWEEN THE ENGINEER'S DESIGN STANDARDS AND LOCAL DESIGN IN-PLACE MATERIALS AS REOUIRED BY THESE PLANS AND THE VARIOUS AGENCIES. SHOULD ANY RETESTING BE ASPHALTIC CONCRETE STANDARDS, THE MORE STRINGENT UTILITY NOTE SHALL APPLY REQUIRED DUE TO THE FAILURE OF ANY TESTS TO MEET THE REQUIREMENTS, THE CONTRACTOR WILL BEAR ALL COSTS OF SAID RETESTING = MAXIMUM SPACING SHOWN IN FEET. ALL TESTING SHALL BE TAKEN IN A STAGGERED SAMPLING PATTERN FROM THE OWNER'S ENGINEER WILL NOT BE RESPONSIBLE FOR SCHEDULING, COORDINATION OR EVALUATION OF THE A POINT 12 INCHES INSIDE THE FIRST EDGE, TO THE CENTER, TO A POINT 12 INCHES INSIDE THE RIGHT SOILS TESTING AND CERTIFICATIONS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE OWNER/DEVELOPER TO MAKE THE NECESSARY ARRANGEMENTS DIRECTLY WITH THE SOILS TESTING LABORATORY/GEOTECHNICAL FIRM AND THE SITE CONTRACTOR PAVEMENT MARKINGS: THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIALS AND LABOR REQUIRED TO OMPLETE THE PROJECT WORK IN THIS SECTION. MATERIALS AND CONSTRUCTION METHODS FOR APPLYING THE FINISHED SURFACE OF THE BASE COURSE AND THAT OF THE WEARING SURFACE SHALL NOT VARY MORE THAN PAINTED TRAFFIC STRIPES AND MARKINGS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 711. FDOT ‡" FROM THE TEMPLATE. ANY IRREGULARITIES EXCEEDING THIS LIMIT SHALL BE CORRECTED. SPECIFICATIONS, FOR THERMOPLASTIC TRAFFIC STRIPES AND MARKINGS AT THE LOCATIONS SHOWN ON THE PLANS FIELD COMPACTION DENSITY, STABILITY, AND THICKNESS TESTING FREQUENCIES OF SUB-BASE, BASE, AND ASPHALT SHALL BE TESTED ONCE EVERY 300 LINEAR FEET OF PAVING PER 24-FT WIDE STRIP. STAGGERED LEFT 2) MISC. TRAFFIC CONTROL AS SHOWN ON PLANS CENTER AND RIGHT OF CENTERLINE. WHERE LESS THAN 300 LINEAR FEET OF SUB-BASE, BASE, AND ASPHALT IS PLACED IN ONE DAY, PROVIDE MIN, OF ONE TEST FOR EACH PER DAY'S CONSTRUCTION AT A LOCATION DESIGNATED 3) ALL EXISTING MARKINGS THAT ARE IN CONFLICT WITH PROPOSED SHALL BE REMOVED VIA HYDRO-BLASTING BY THE ENGINEER. ASPHALT EXTRACTION GRADATION SHALL BE TESTED FROM GRAB SAMPLES COLLECTED ONCE 4) ALL MARKINGS WITHIN FDOT RIGHT-OF-WAY SHALL BE THERMOPLASTIC EVERY 1800 SQUARE YARDS OF ASPHALT DELIVERED TO THE SITE (OR A MINIMUM OF ONCE PER DAY). SIGNAGE: THE CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR NEEDED, INCLUDING ALL SUPPORTING ELEMENTS TO INSTALL SIGNS AT THE LOCATION SHOWN ON THE PLANS. MATERIALS AND CONSTRUCTION METHOD SHALL CONFORM TO SECTION 700, FDOT SPECIFICATIONS AND PALM BEACH COUNTY SPECIFICATIONS. ALL SIGNS SHALL BE INSTALLED AS SHOWN ON PLAN EAST LAKE COVER DRAINAGE IMPROVEMENTS BAR IS ONE INCH OKEECHOBEE, FL 34973 ON ORIGINAL DRAWING MARCOS, MONTES DE OCA L: (863) 634-2131 DATE OF SIGNATURE G NUMBER 63897 NOTES AND SPECIFICATIONS L ENGINEERING BUSINESS NO. 2988 F NOT ONE INCH ON SHEETS THIS SHEET, ADJUST BPE AUTHORIZATION NUMBER MARCOS@MDO-ENGINEERING.COM SCALES ACCORDINGLY 2/6/2021 02/2023 29880 WWW.MDO-ENGINEERING.COM





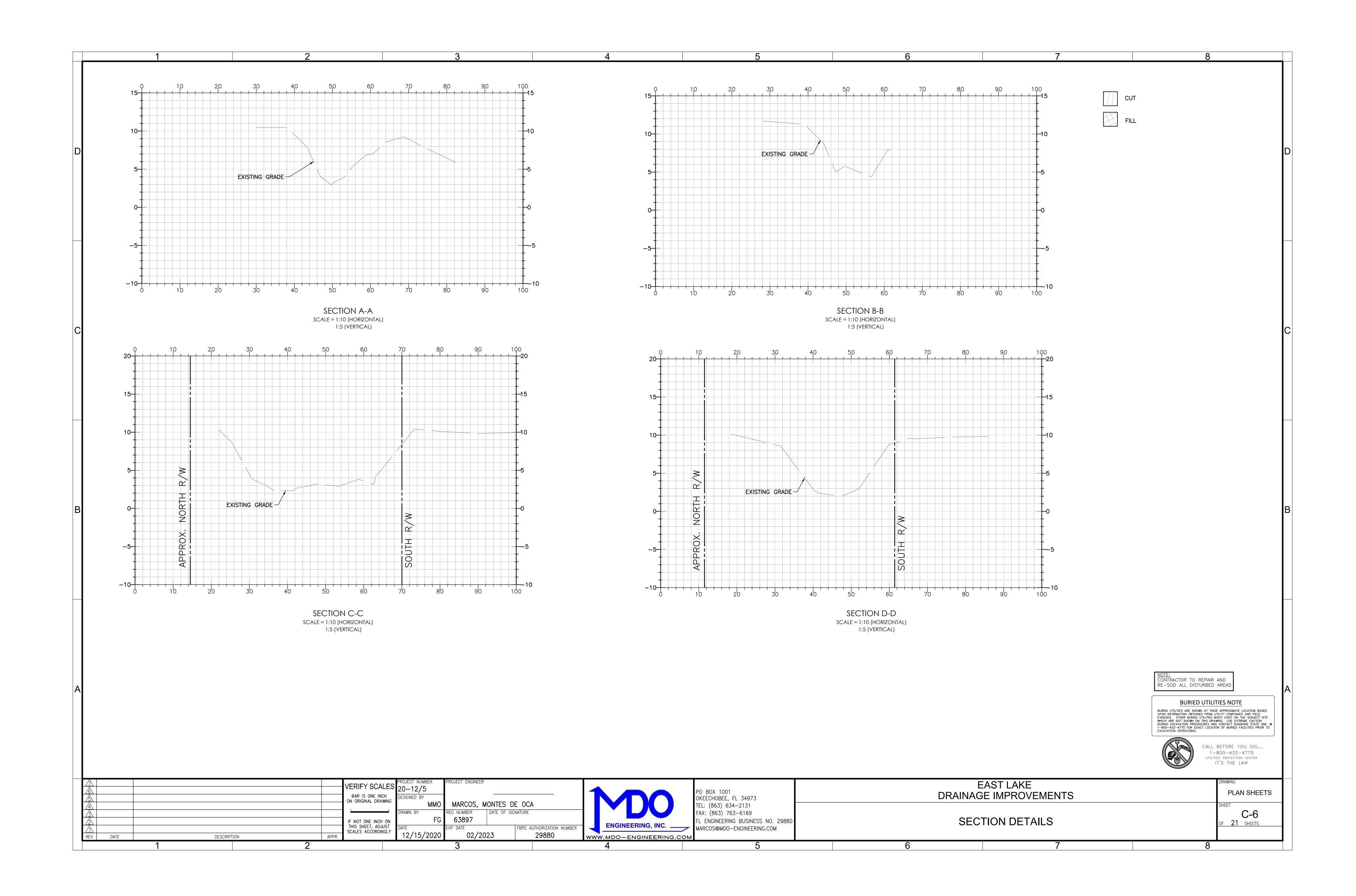


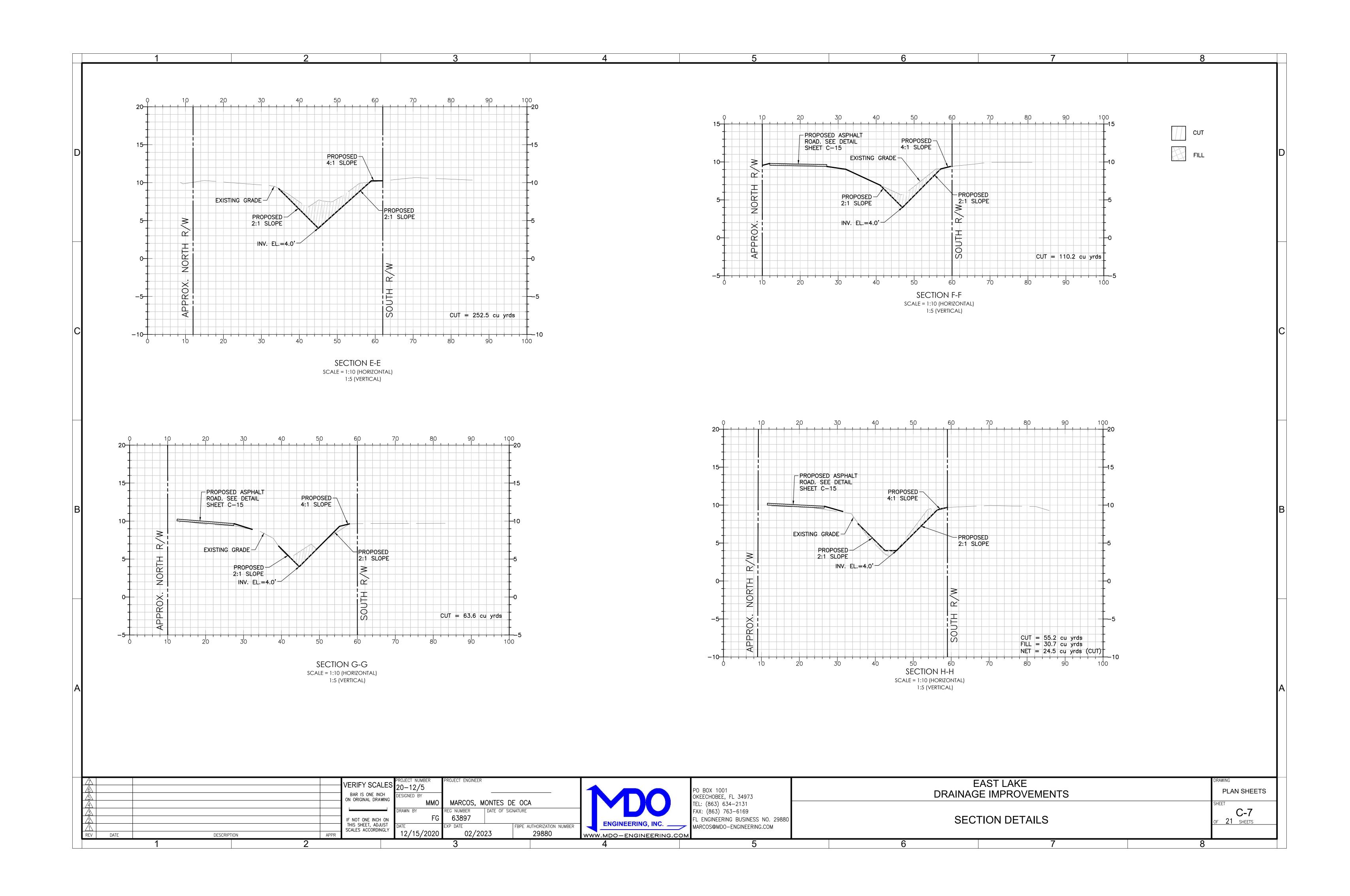


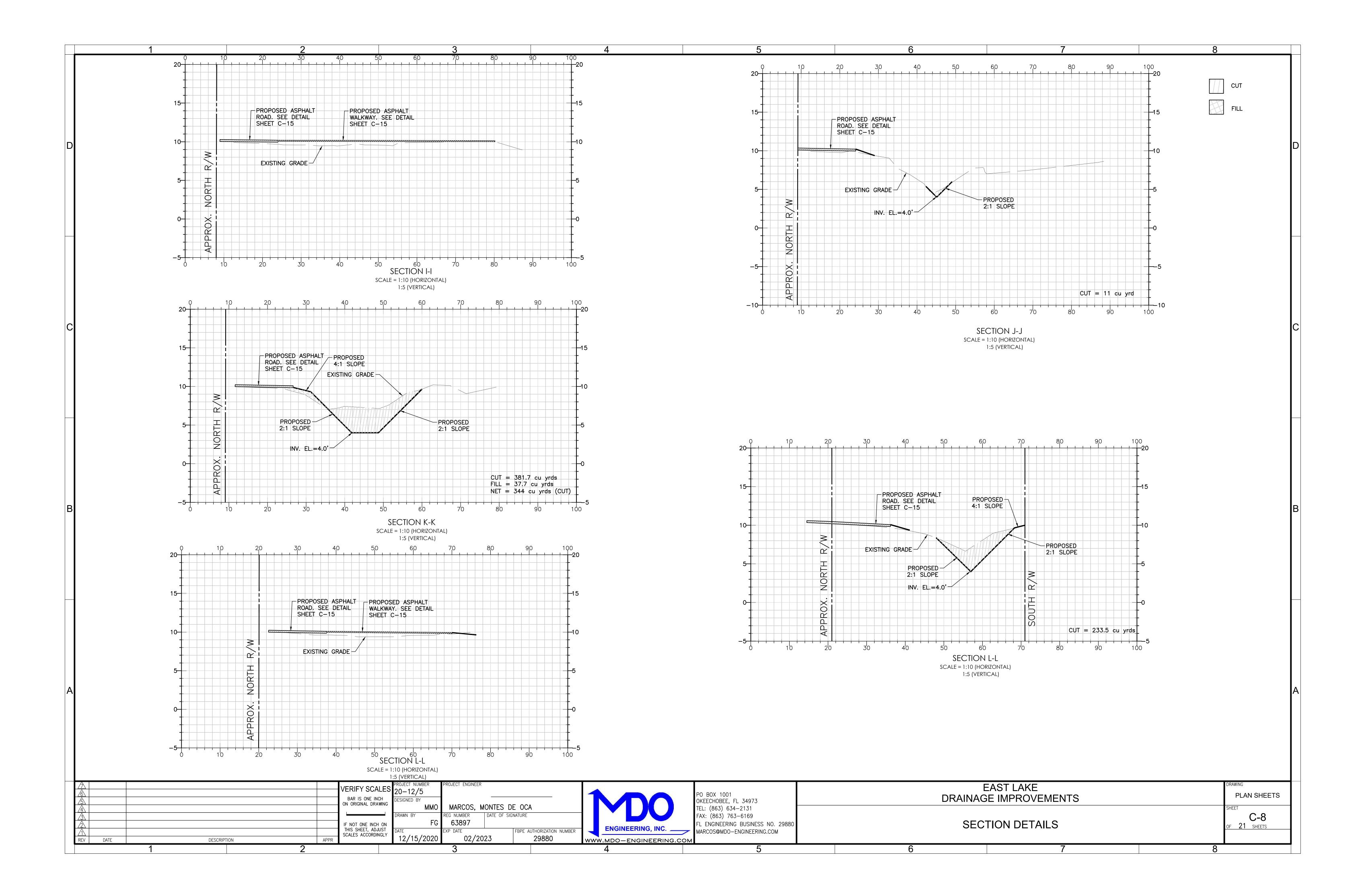


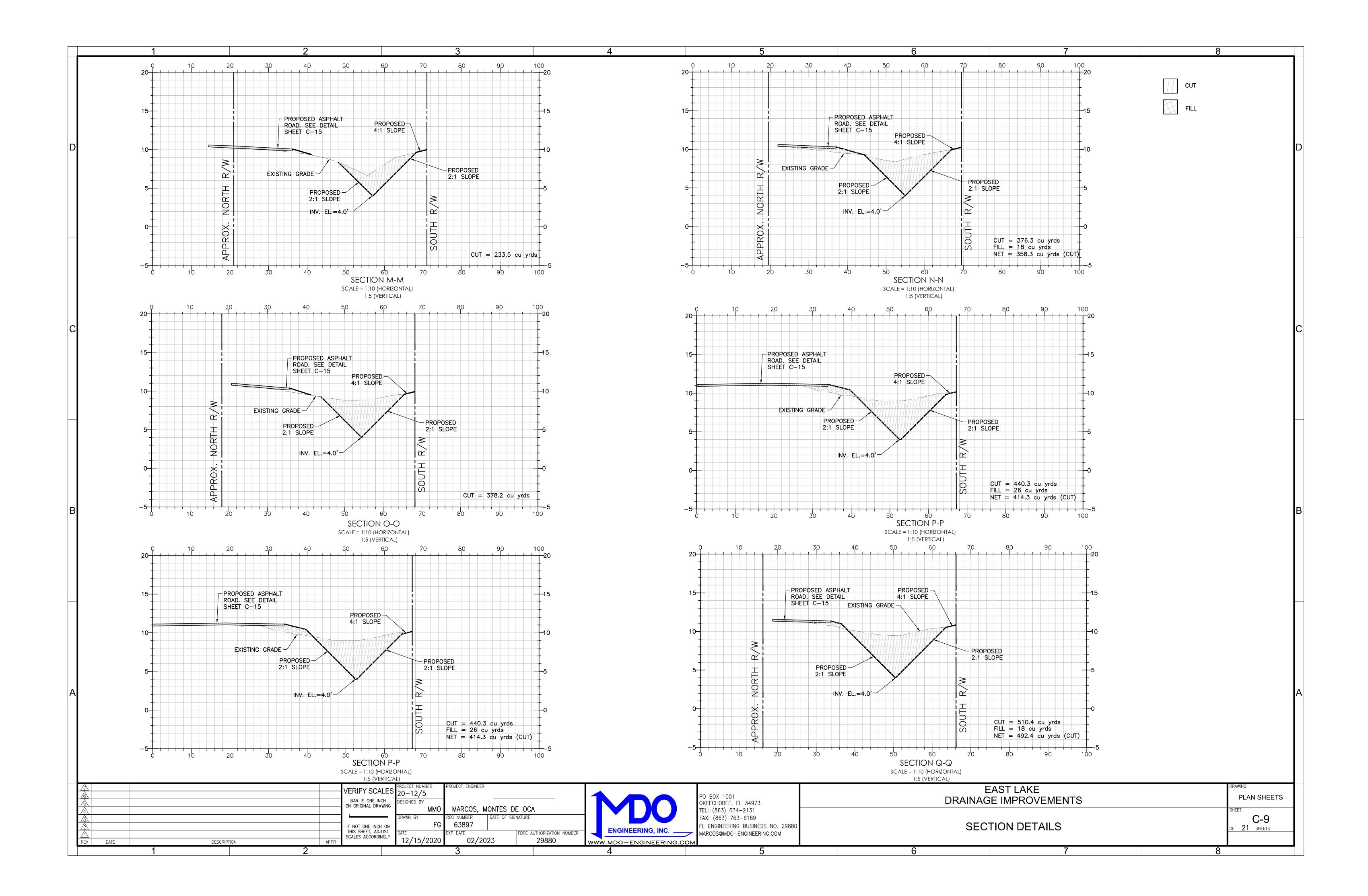


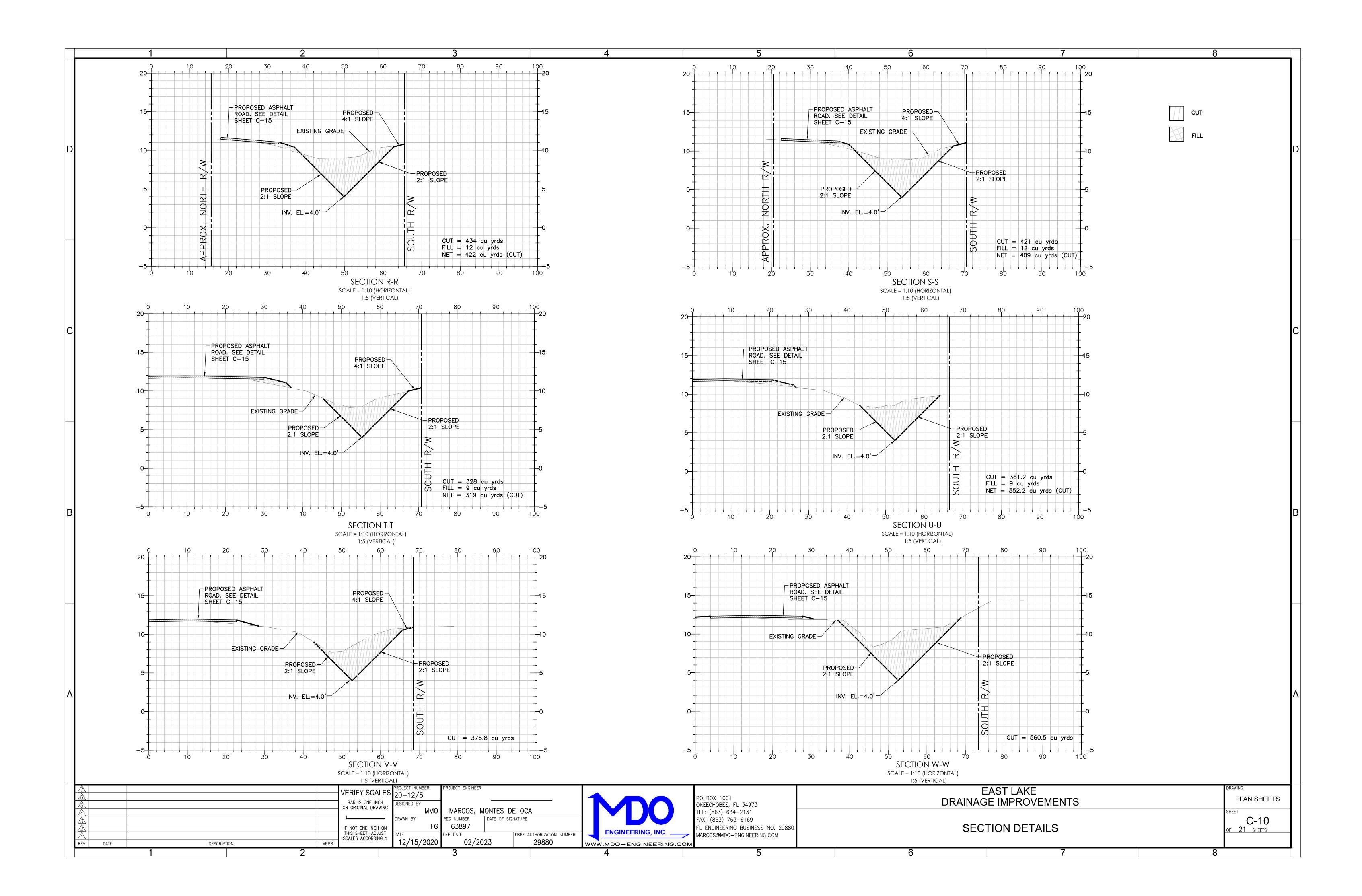


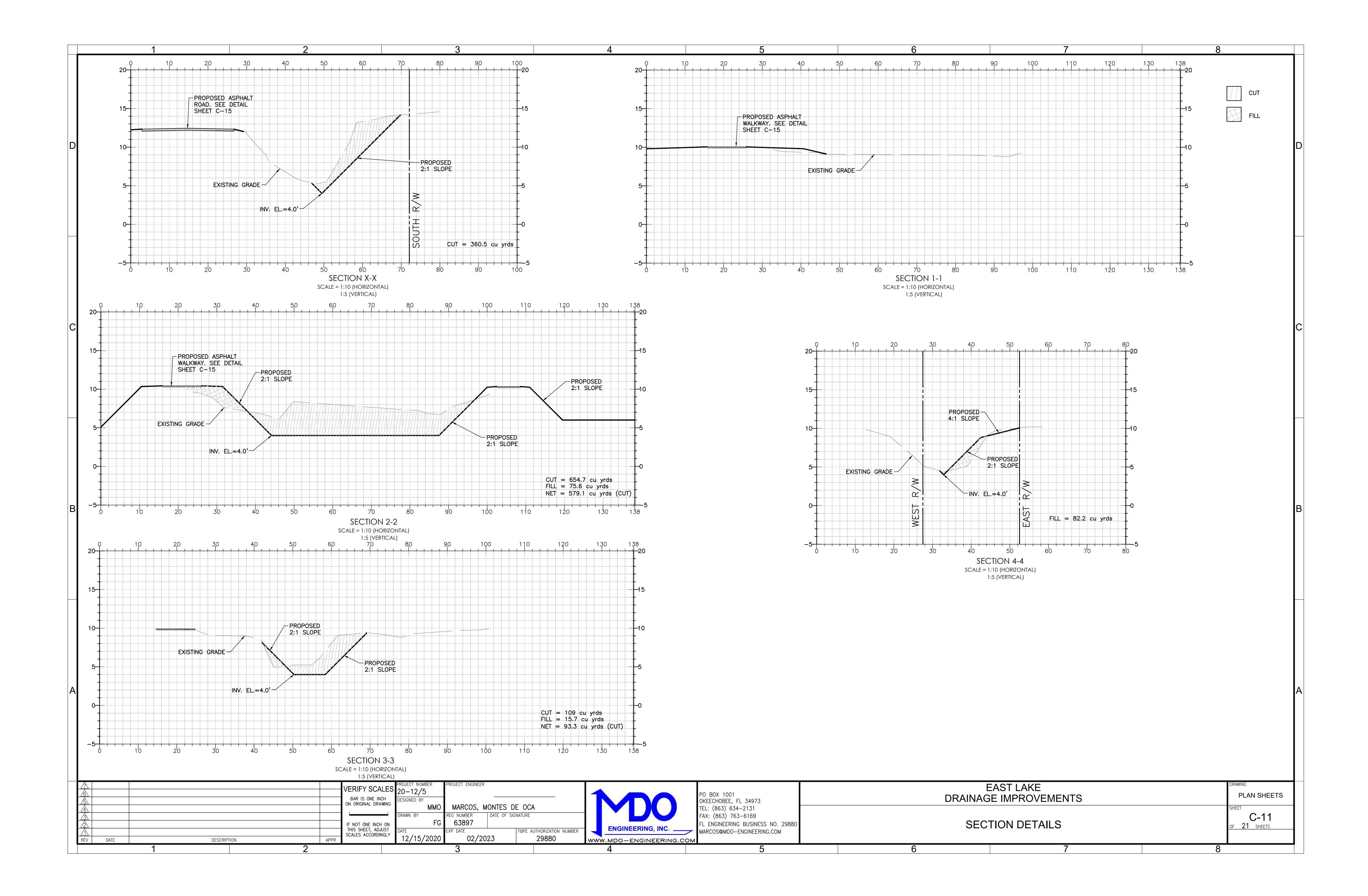


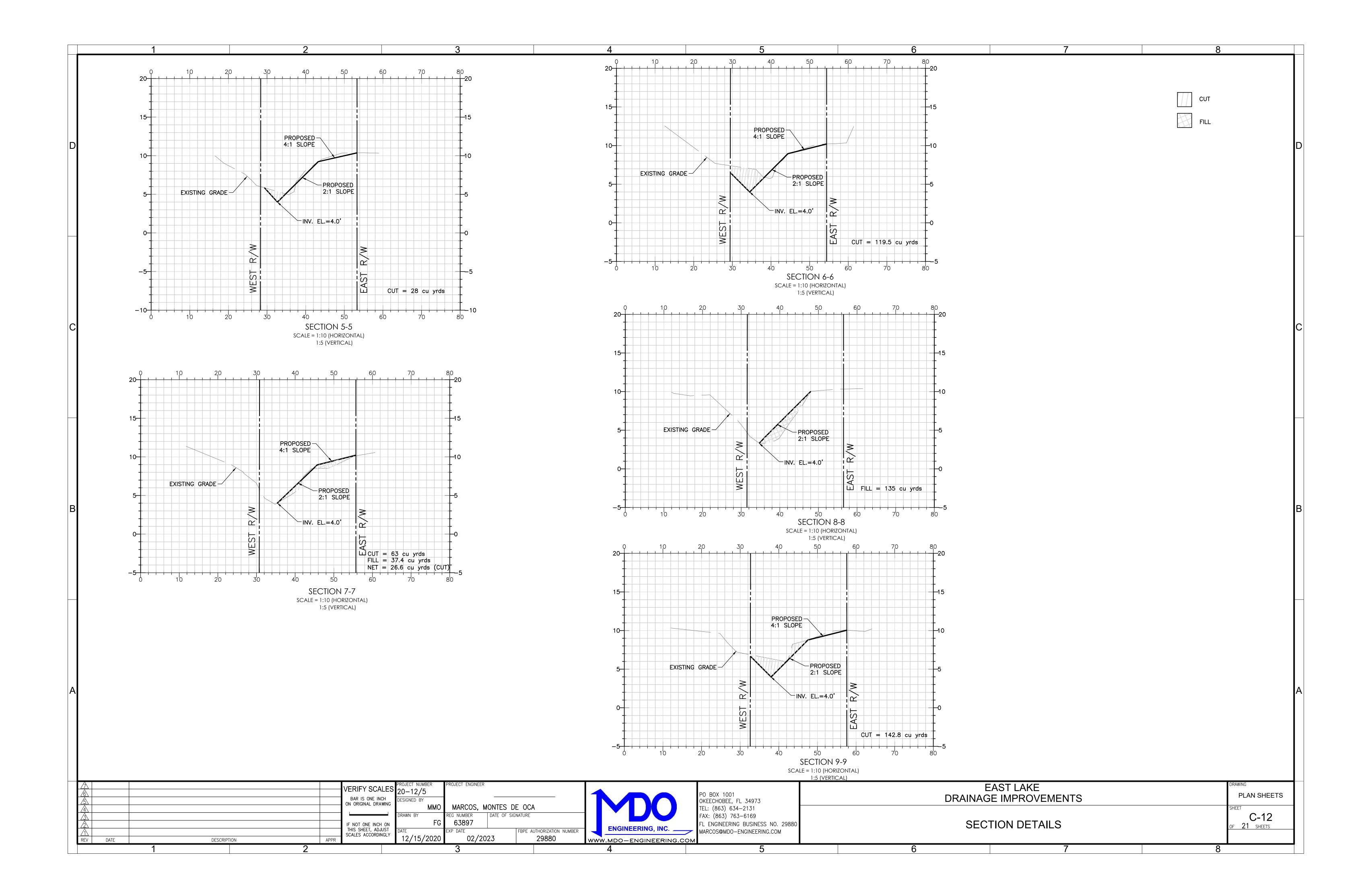




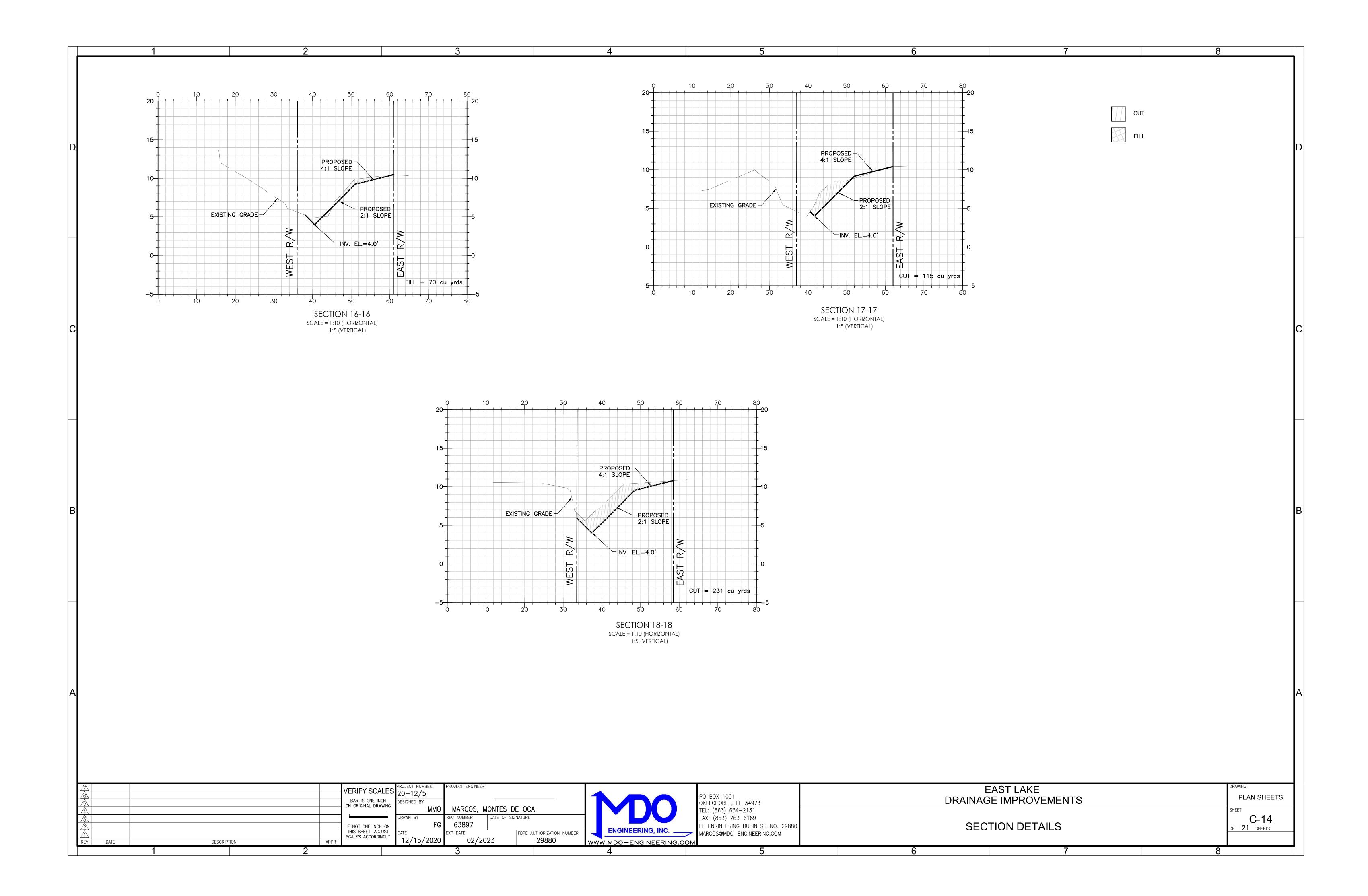


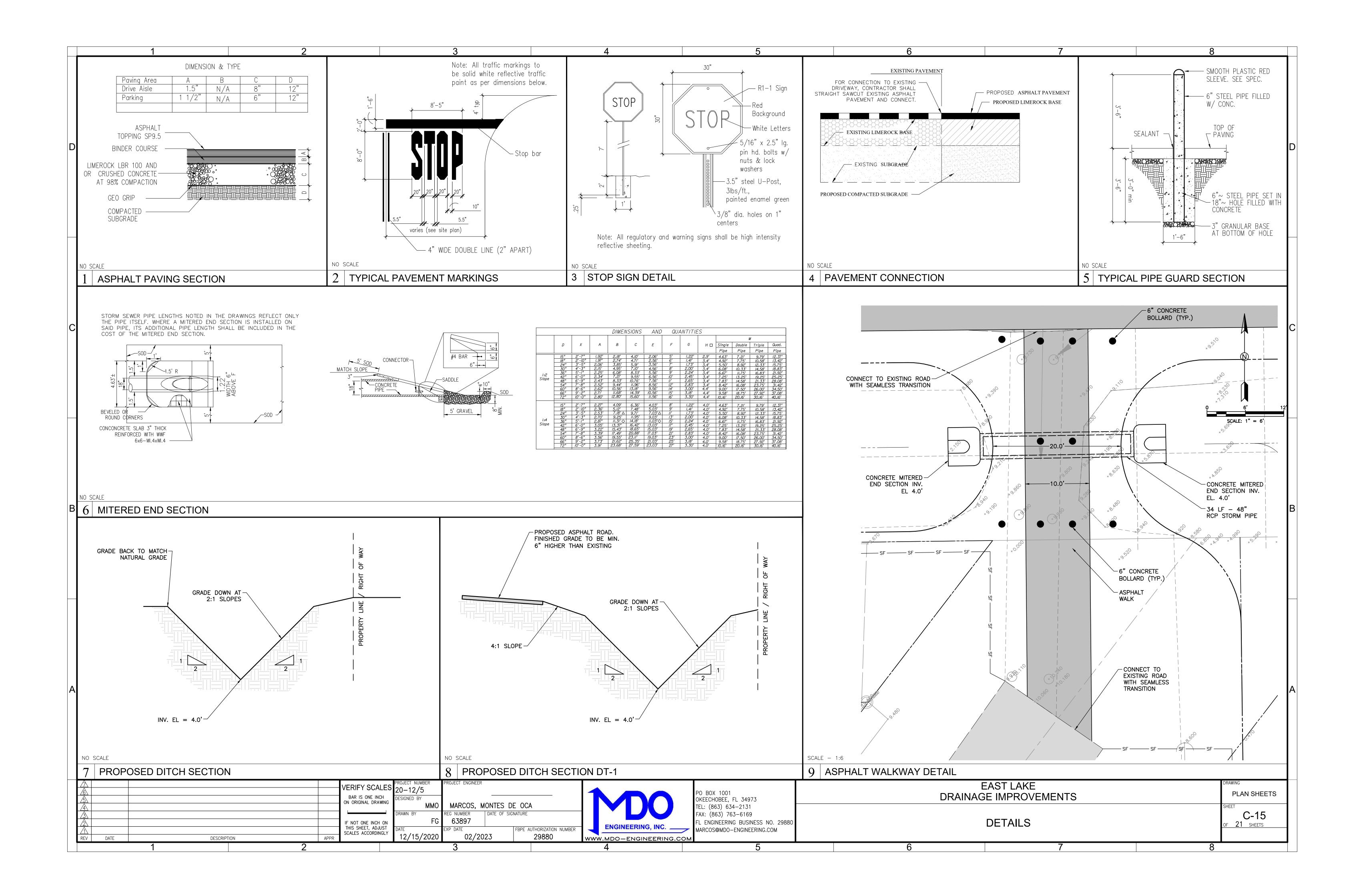


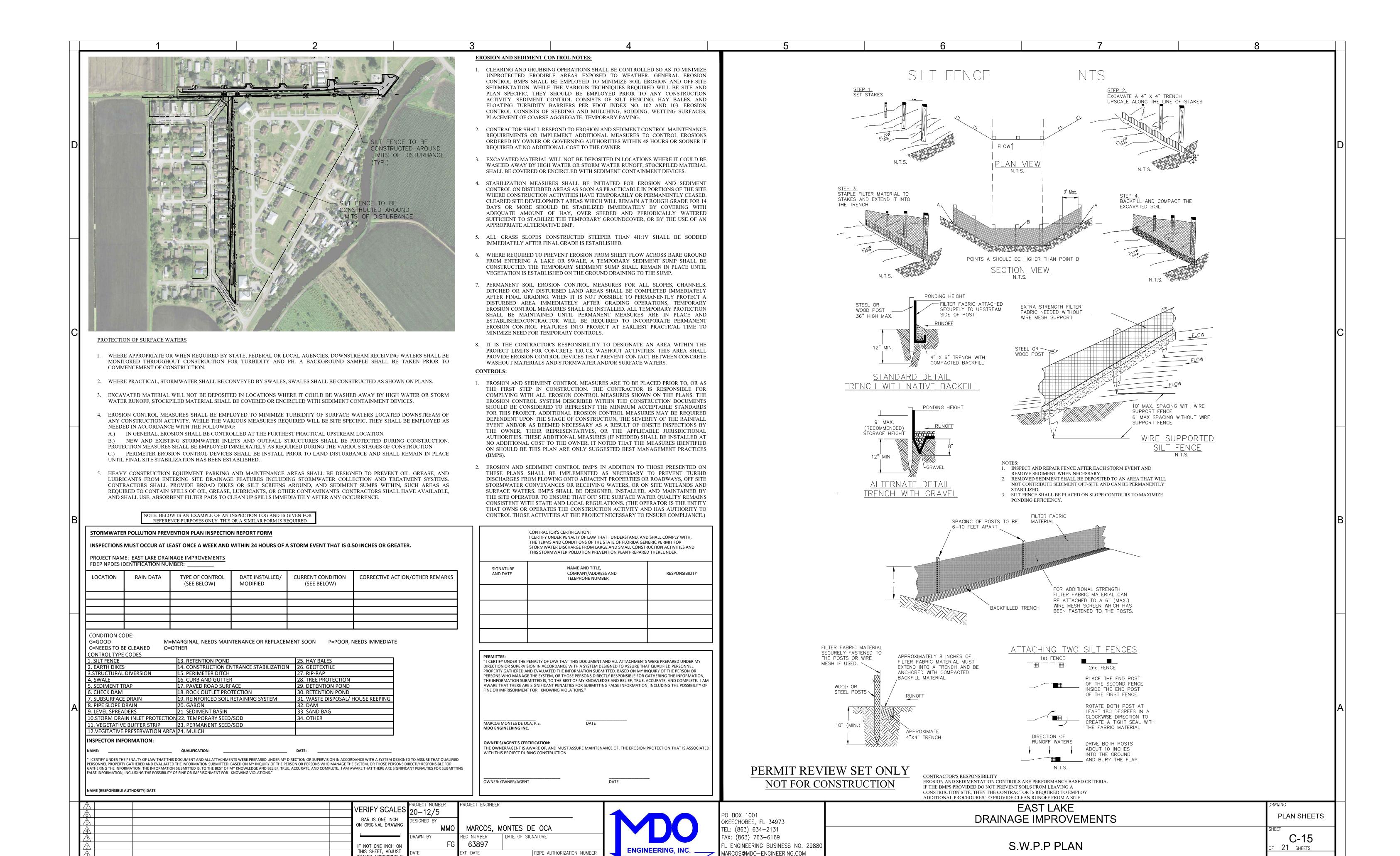












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