SANDY RIDGE



VICINITY MAP

YULEE, FLORIDA

PREPARED FOR SEMANIK INVESTMENT CORPORATION 2120 CORPORATE SQUARE BLVD SUITE #3 **JACKSONVILLE, FL 32216** PHONE: (904) 493-6909

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Connelly & Wicker Inc. Planning · Engineering · Landscape Architecture

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> FLORIDA REGISTRY 3650 L.A. NUMBER: LC26000311 www.cwieng.com

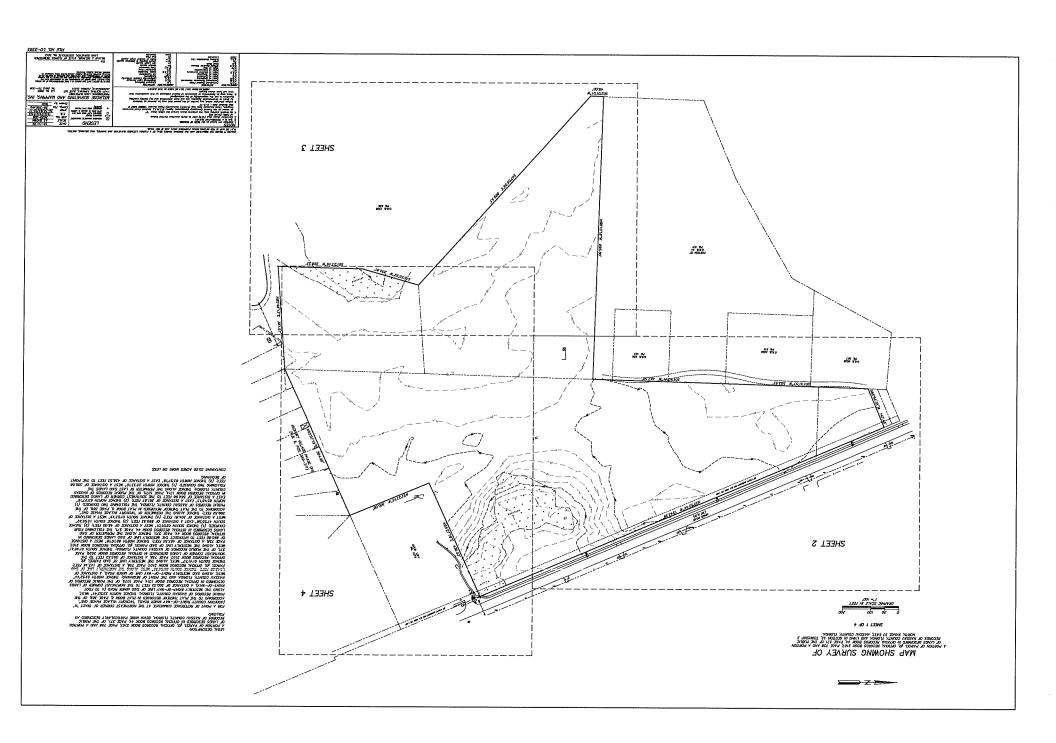
ALL WATER AND SEWER UTILITY CONSTRUCTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH SEA PLAMS BEARING THE JEA APPROVAL STAMP

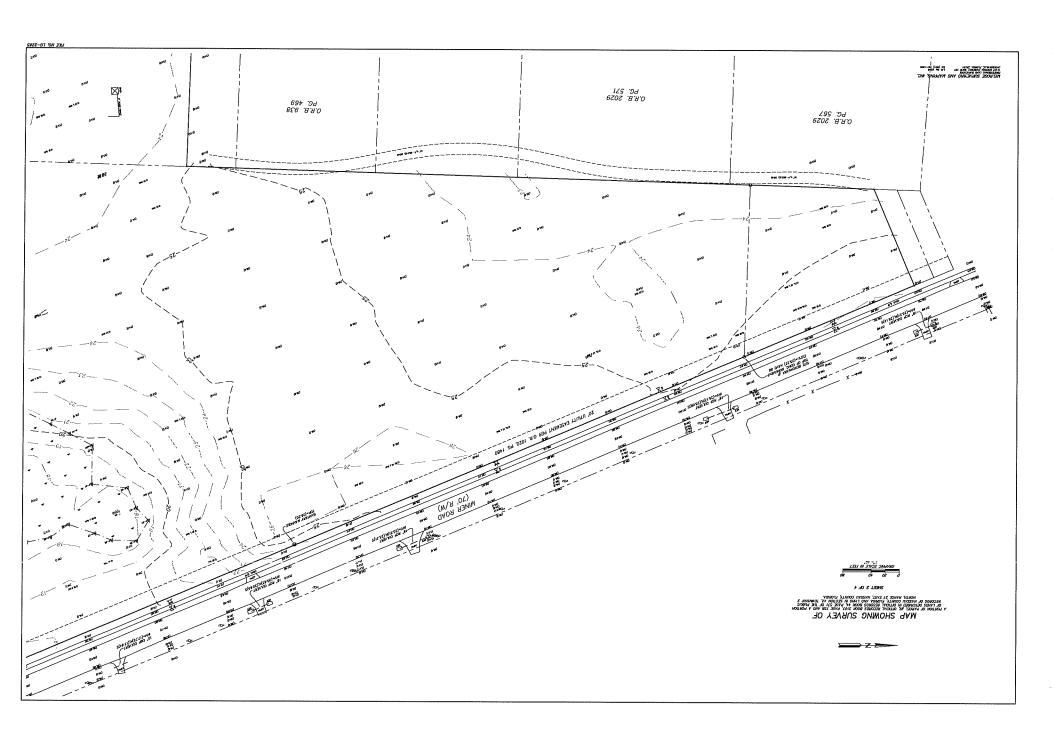
FLOW TEST (12/22/2020 AT 8:59 AM) FLOW HYDRANT LOCATION: MINER RD 880' N OF SHADY OAK DR (84974)

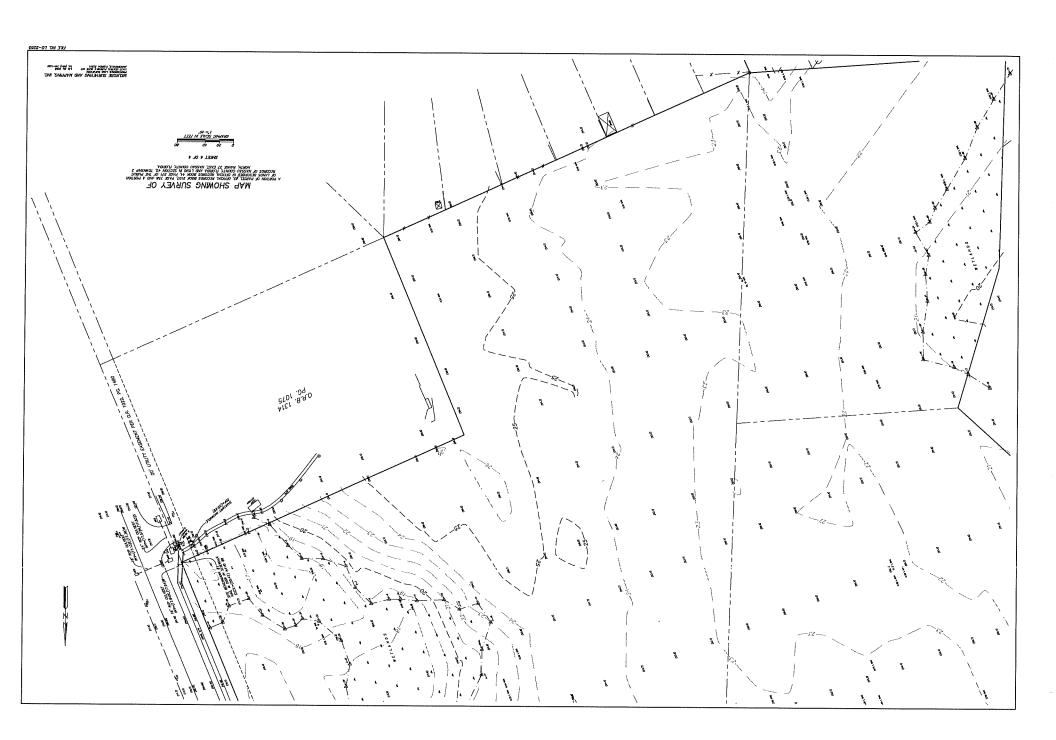
STATIC PRESSURE RESIDUAL PRESSURE TEST FLOW RATE ESTIMATED FLOW @ 20 PSI:

THE ABOVE ESTIMATE FLOW AT 20 PSI IS BASED ON NFPA SECTION 281, AWWA M-17

Connelly & Wicker Inc









Alfred B Pittman Det. CeUS, on Pittman Landscape Architecture, out-Alfred B Pittman Landscape Architecture, out-Alfred B Pittman Landscape Architecture, out-Alfred B Pittman Date 2021.08.09 16:40.007-04-007

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THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61615-23.004, F.A.C.

DRAWING INDEX				
SHEET NUMBER	SHEET TITLE			
LI-L4	LANDSCAPE PLAN			
LS.	LANDSCAPE SPECIFICATIONS			

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SCALED BY MARY E. LEAPTROTT ON THE DATE ADJACENT TO THE SEAL:



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CONNELLY & WICKER INC. 10060 SKINNER LAKE DR., SUITE 500 JACKSONVILLE, FL 32246 PHONE 904.265.3030 FAX 904.265.3031 CA NO. 3650 LA NO. LC26000311 MARY E. LEAPTROTT, P.E. NO. 61449

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61015-23.004, F.A.C.

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Connelly & Wicker Inc. SIGNATURE SHEET YULEE, FLORIDA PREPARD FOR SEMANIK INVESTMENT CORPORATION SANDY RIDGE JULY 21, 2021

2

- CENERAL NOTES:

 1. ALL WORK WID MATERIALS SHALL BE IN COMPLETE ACCORDANCE WITH ALL RELATIVE SECTIONS OF COUNTY STANDARD, (LATEST REVISION) AND ALL CURRENT COUNTY STANDARD DETAILS. CONTRACTOR SHALL COMPLY WITH CURRENT A.D.A. CODE FOR ALL WORK ON THIS PROJECT.
- ALL WORK SHALL BE PERFORMED IN A SAFE WANDER. ALL SAFETY RALES AND CADELINES OF C.S.H.A.
 SHALL BE FRILINGED. THE CONTRINCTION SHALL BE WHOLLY RESPONSIBLE FOR ANY BAMBES TO HIS
 DEPOLYDES, AND ANY DAMAGE TO PREVIOUR PROPERTY OF PERSONS DURNED THE COURSE OF THIS PROCECT,
 ALL COSTS ASSOCIATION WITH COMPLETION SHALL BEFORE A TERMON SAFETY ACT
 WANT BE RELIGIOUR IN THE CONTRINCTIONS BIO.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE XX8 SITE PRIOR TO PREPARING THE BD FOR THE PRIORSE OF PARILLARIZED MISSES WITH THE HAUTER, AND THE DIFFERS OF THE WORK AND LOCAL THE PRIORSE OF THE SIBLE FUTURE COMPLAINTS THAT WAY OCCUR DUE TO CONSTRU
- IT SHALL BE THE CONTRACTION'S RESPONSIBILITY TO EITHER CONDUCT MAY FIELD EMPLORATION OR ACQUIRED ANY GEOTECHNICAL ASSISTANCE REQUIRED TO ESTIMATE THE AMOUNT OF UNSUITABLE MATERIAL REQUIRED TO BE REDUKED ANOVOR TO ESTIMATE THE AMOUNT OF OF SITE EMPORTH HAT MILL BE REGIMED.
- ALL IMPROVEMENTS SHOWN ARE TO BE WARRANTED BY THE CONTRACTOR TO THE DEVELOPER AND THE COUNTY FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE BY THE OWNER AND THE COUNTY.
- ALL SURVEY AND TOPOGRAPHIC INFORMATION IS BASED ON NAVO 1988 DATUM AND HAS BEEN PROVIDED BY MELROSE SURVEYING AND MAPPING, INC. JOB NUMBER 2020—509, DATED 12/14/2020.
- 7. FOR BOUNDARY, ROADWAY AND LOT GEOMETRY INFORMATION SEE PLAT.
- 8. THE CONTRACTOR WILL CONTRACT WITH AN INDEPENDENT TESTING LABORATORY TO PERFORM MATERIAL TESTING AND SOL TESTING IN ACCORDANCE WITH COUNTY REQUIREMENTS. THIS SHALL PLANSENT MERCAL CONCRETE TESTING AND ALL OFFER MATERIAL PROPERTY RECORDS LOCATED IN PAYMENT MERCAL CONCRETE TESTING AND ALL OFFER MATERIAL PROPERTY RECORDS TO PLANSENT AND ADDRESS OF THE MERCAL PROPERTY OF THE PRO
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE FOR THE PROJECT INCLIDING COUNTY RIGHT-OF-WAY PERMITS FOR WORK IN THE COUNTY RIGHT-OF-WAY OF ASSEMBLY.
- THE CONTRACTOR SHALL COORDINATE THE WORK WITHIN COUNTY OR STATE RIGHT-OF-WAY WITH THE PROPER AGENCIES FOR MAINTENANCE OF TRAFFIC AND METHOD OF CONSTRUCTION & REPAIR.
- ALL PUBLIC DRAINAGE EASEMENTS SHALL BE "UNOBSTRUCTED" EASEMENTS. ALL "UNOBSTRUCTED" EASEMENTS TO BE CLEAR AND DRIVEABLE.
- 12. "AS-BILL!" DRAWING AS-BILLTE TO THE COUNTY AND THE ST. JAME ROPE WATER MANAGEMENT DRITTED ARE RECEIVED AND SOLIDED AND SOLIDED AND SOLIDED AND SOLIDED LAND SURVEYOR THEREFORE. IT SHALL BE THE CONTRACTOR'S RESPONSIBLED AND SURVEYOR THEREFORE, IT SHALL BE THE CONTRACTOR'S RESPONSIBLED AND THE STATE OF CRUINDA FOR THE PEPPAATION, PUBLIC WITH LOCATIONS, CERTIFICATION AND SUBBITIAL OF "AS-BULL" DRAWINGS IN ACCORDANCE WITH CURRENT COUNTY STANDARDS AND SECRETARIONS, AND SECRETARION, AND SECRETARION. CONTRACTOR'S RESPONSIBILITY TO PROCESS THE "AS-BUILT" DRAWINGS FOR APPR COUNTY AND TO BE IN COMPLIANCE WITH THE THE COUNTY'S AS-BUILT CHECKLIST.
- 13. THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION WITH ALL OTHER CONTRACTORS, IN THE EVENT OF ANY CONFLICT WHATSOEVER, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OWNER PRIOR TO PROCEEDING WITH CONSTRUCTION.
- 14. CLEARING AND GRUBBING REQUIRED FOR ALL ROADWAY, UTILITIES, DITCHES, AND BERMS INCLUDED IN THIS PROJECT, AND THE CLEARING AND GRUBBING OF ALL RIGHT-OF-WAY OR EASEMENTS SHALL BE CONSIDERED AS PART OF THE PROJECT.
- 15. ALL AREAS SHOWN TO BE FILLED SHALL BE CLEARED AND GRUBBED IN ACCORDANCE WITH COUNTY STANDARDS AND SHALL BE FILLED WITH CLEAN STRUCTURAL FALL COMPACTED AND TESTED IN ACCORDANCE WITH THE GEOTECHNICAL INVESTIGATION REPORT.
- THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL SURVEY AND PROPERTY MONUMENTS. IF A MONUMENT IS DISTURBED, THE CONTRACTOR SHALL CONTRACT WITH THE SURVEYOR OF RECORD FOR REMISTALLATION OF THE MONUMENT.
- ALL DEBRIS RESULTING FROM ALL ACTIVITIES SHALL BE DISPOSED OF DFF-SITE BY THE CONTRACTOR.
- 18. ALL EXCESS SUITABLE AND UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR UNLESS DIRECTED OTHERWISE BY ENGINEER OR OWNER.
- 19. ALL EXISTING TREES TO REMAIN SHALL BE PRESERVED AND PROTECTED.
- 20. BURNING OF TREES, BRUSH AND OTHER MATERIAL SHALL BE APPROVED, PERMITTED AND COORDINATED WITH COUNTY FIRE MARSHAL.
- 21. ROADWAY UNDERDRAINS SHALL BE AS REQUIRED ON THE PLANS OR AS MAY BE DETERMINED NECESSARY BY THE GOOTECHINGAL BROWNER DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTITY THE ENGINEER IF HIGH GROUND WARER CONDITIONS ARE PRESENT DURING THE PREPARATION OF THE PAYEMENT SUB-BASE.
- 22. PROVIDE CONTRACTION JOINTS AT 10' O.C. AND EXPANSION JOINTS AT 50' O.C. ON ALL EXTERIOR SIDEWALKS.
- MAINTENANCE OF TRAFFIC SHALL CONFORM TO F.D.O.T. STANDARD INDEX 800, LATEST EDITION AND SHALL COMPLY WITH MASSAU COUNTY ROAD CLOSURE POLICY.
- ALL SIGNING AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH F.D.G.T. STANDARD INDEXES 11880, 17346, AND 17352.
- 25. ALL EGISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE PROPOSED ROADWAY/SITE DEVELOPMENT SHALL BE REMOVED BY THE CONTRACTOR UTILIZING METHOD APPROVED BY THE COUNTY.
- 28. ALL STORM PIPE SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
- 27. ALL CONSTRUCTION WITHIN NASSAU COUNTY RICHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE NASSAU COUNTY ROADWAY AND DRAINAGE STANDARDS ORINNANCE 59-17. THE CONTRACTOR NOTIFY ALL UTILITIES PRIOR TO CONSTRUCTION FOR VERRIFICATION AND LOCATION OF ALL UTILITIES.
- NASSAU COUNTY DEVELOPMENT REMEW INSPECTOR SHALL BE CONTACTED 24 HRS PRIOR TO ALL. NECESSARY SITE WORK INSPECTIONS AND 5 DAYS PRIOR TO THE FINAL INSPECTION.
- 29. THE CONTRACTOR IS TO HIRE QC OR INDEPENDENT CONTRACTOR DURING ALL ASPHALT WORK.
- 30. THE WETLAND BUFFER SHALL NOT COUNT TOWARDS THE MINIMUM SETBACK REQUIREMENT OF THE ZONING DISTRICT IN WHICH IT IS LOCATED, REF., 37,03 (E),
- CONTRACTOR WILL BE REQUIRED TO SCHEDURE A WALK THROUGH OF THE SITE WITH THE DEVELOPER AND THE COUNTY IT MORTHS AFTER COMPLETION OF WORK. THE CONTRACTOR WILL ALSO BE RESPONSIBLE TO FIX ANY PROBLEMS SEEN IT BY THE COUNTY AT THIS TIME AT THEIR OWN EXPONSE.

DELAMAGE NOTES

- Contractor shall verey edisting elevation at connection points pror to construction an hotely express of any designations. The contractor shall cocronate the grading and devance construction with all differ construction.
- 2. SEE GEOLEGISHICAL REPORT FOR STEP PERPARATION REQUIREMENTS, PANEMENT SUBGRACE SHALL HAVE ALL UNSATIALE MATERIAL REMOVED AND EXCREDING WITH SUTRALE MATERIAL PROVINCE MATERIAL ENCOUNTERED SHALL SE REMOVED FROM THE STE.
- A CHAIRED SOLS LADORATION SHALL BE OF SITE DURING DOLAYATHO TO DETERMINE THE SISTABLITY OF THE DISTRING ASSOCIATES AND DISTRING ORSITE MATERIAL PRIOR TO DEDINANCE ANY FILLING DEPERATION. BORROW MATERIAL TO BE TESTING AND RESEATS PROVIDED FOR CLUSSICULY ACCOMPTINGE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SUBGRADE, LIMEROCK AND ASPHALT TESTING S. REQUIRED BY MASSAUL COUNTY.
- THE CONTRACT SHALL FURNISH SHOP DRAWNES TO THE ENGINEER FOR APPROVAL PISOR TO CONSTRUCTION. ALL CONSTRUCTION AND MATERIAL SHALL CONFORM WITH THE HASSIAL COUNTY
- THE CONTRACTOR SHALL STAKE THE STORM SEMER SYSTEM AND THE SANTARY SEMER SYSTEM AND SHALL NOTFY THE ENGINEER OF AN CONFLICTS PRIOR TO THE INSTALLATION OF ANY PIPE. ALL UNDERGROUND UTILITIES SHALL BE INSTALLED PRIOR TO PREPARATION OF SUBGRADE FOR PAREMENT.
- IL ALL RCP PAPE SHALL MEET THE REQUIREMENTS OF Debn C-78.
- ALL PIPE LENGTH ARE APPROXIMATE AND MEASURE TO THE CENTER OF THE STRUCTURE OR MITERED END SECTION. ACTUAL LENGTHS MAY YARY.
- ALL DRANAGE PIPE JOHTS IN THE HASSAU COUNTY DRANAGE EASEMENTS AND DRANAGE RIGHT-OF-WAYS ARE TO BE FILTER WEAPPED.
- 11. OUT AND FILL SLOPES ARE NOT TO EXCEED 4:1 UNLESS OTHERMISE HOTED,
- 12. SLOPES OF HEW PORD SHALL BE SCORED TO ONE FOOT (VERTICAL) BELOW NORMAL WATER LINE. 18 NOVES OF 500 IS REIZHARD JUDIO EDICE OF PARABENT IN ACCORDANCE WITH HASSAU COUNTY ROADWAY HAD DRIVINGE STANDARDS SECTION 11.8.2.
- 13. STORMWATER COLLECTION SYSTEM DESIGN IS BASED ON THE 5-YEAR STORM EVENT (RATIONAL METHOD). STORMWATER OCTENTION POWDS HAVE BEEN DESIGNED TO ATTENUATE PEAK FLOWS FOR THE 22-YEAR STORM EVENT (OSS METHOD).
- 14. ALL ARES SHOWN TO BE FILED SHALL BE CLEARED AND CRUBBED IN ACCORDANCE WITH HASSAU COUNTY STANDARDS AND SHALL BE FILED WITH CLEAN FILL COMPACTED AND TESTED IN ACCORDANC WITH THE CENTERHOLD REPORT.
- 15. ALL DEBRIS RESULTING FROM ALL ACTIVITIES SHALL BE DISPOSED OF OFF-SITE BY CONTRACTOR.
- 18. ALL EXISTING TREES TO REVAIN SHALL BE PROTECTED AND PRESERVED.
- BURNING OF TREES, BRUSH AND OTHER MATERIAL SHALL BE APPROVED, PERMITTED AND COORDINATED WITH THE MASSAU COUNTY FIRE MARSHALL. 18. CLEARNG AND GRUBBING LIMITS SHALL INCLUDE ALL AREAS DISTURBED BY GRADING OPERATION. CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UNDSTURBED AREAS, ALL PROPERTY CORRESS, AND REPLACE ALL PASS ELBHANED OR DAMAGE DURING CONSTRUCTION.
- IR. PROPOSED SPOT ELEVATIONS REPRESENT FINISHED CROWNO SURFACE GRADE UNLESS OTHERWISE
- 20. THE CONTRACTOR SHALL ADHERE TO ALL TERMS AND CONDITIONS AS QUILLINED IN THE GENERAL MYDES PERMIT THE CONTRACTOR CRITAINS FOR STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
- 21. STORM WATER PIPE TO BE VIDEO INSPECTED IN ACCORDANCE WITH MASSAU COUNTY RELEASEMENTS.

- . THESE PLANS REQUEST THE SHAMM CHOSEN & SEMENT CONTROL MEASURES REQUEST FOR THIS REPORT AND ADMINISTRATION OF THE SHAME CHOSEN OF THE SHAME CHOSE
- THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING THE BEST EROSION AND SEDIMENT CONTROL PRACTICES AS GUILARD IN THE PLANS AND SPECIFICATIONS AND THE ST. JOHNS RIVER WATER MANAGEMENT DESTROY SPECIFICATIONS AND CRITICAL.
- Erosion and Sedarat Control Barriers shall be placed. Adjacent to all netland areas imere there is potential. For downstream water quality degradation.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING A PERMANENT STAND OF SED AND/OF DRASS PER CITY STANDARDS AND MEETING THE N.P.O.E.S. FINAL STABILIZATION REQUIREMENTS.
- PROR TO COMENCEMENT OF CONSTRUCTION AND EXCANATION AUTIMIES, THE CONTRACTOR SHALL PERFORM ROCKEDWARTS. ITSENSO IN ACCORDANCE WITH THE EMPORACIONAL PROTECTION ACADIT. PRESENDA RECEIVER, PROF. 277-279, PART 1 A.3. TO RESEMBLE PERFORMED. CONTRACTOR HAVE BEEN A CREST, PART 1 A.3. TO RESEMBLE PERFORMED. CONTRACTOR SHALL BE RESPONSIBLE FOR GETTAINON APPLIES. PROMIT IF REQUIRED, IN ROCK TO STRUMMEN AND CONTRACTOR SHALL BE RESPONSIBLE FOR GETTAINON APPLIES. PROMIT IF REQUIRED, IN ROCK TO STRUMMEN AND CONTRIBUTION OF DEVIATIONS OF DEVIATIONS OF DEVIATIONS OF DEVIATIONS.
- 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR MALL SUBJET A "NOTICE OF NITER!" TO THE EPA UN ACCORDANCE WITH NATIONAL POLLUTANT DISCHARGE ELMINATION SYSTEM RALES AND REGULATIONS.
- THE CONTRACTOR SHALL WHAP STORM SEMER GRATES IN FILTER FARRIC TO PREVENT SEMENTATION OF THE STORM SEMER SYSTEM. CONTRACTOR SHALL MAINTAIN THE FILTER FARRIC UNTIL THE ASPILLE / DONORETE PAVEMENT IS PLACED.
- THE CONTRACTOR SHALL PROTECT ALL STORMWATER BASINS. AND/OR SHALES FROM SEDMENTATION DURING CONSTRUCTION. USING NECESSARY SEDMENT CONTROL BARRIERS.
- IO. N THE EVENT OF DELAYS IN CONSTRUCTION, THE CONTRACTOR SHALL SEED ALL AREAS AND MAINTAIN EROSCON CONTROL. BARRIERS IN PLACE TO PREVENT EROSCON, SILTATION AND AND INCREASE MUNIOF.

UTLITY NOTES

- NATIONALES.

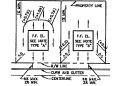
 1. THE LOCATION OF ALL DOSTHOL UITLINGS, KERICLINES AND IMPROVIDED SHOWN ON ING. DATA
 IS RADD ON UNITED NETWORKING AND MAY NOT MAKE DEED KERSTED. THE LOCATIONS OR
 APPROXIMATE. THE CONTINUENTS WILL INJURY RESPECTIVE PULLIFIC WHITE AND END LAWSEY
 CONSTRUCTION. IF THE COLLEGES BOTH AND CONTINUENT BY THE COLLUL LOCATIONS. THE
 CONTINUENTS BUILD, ROPE THE CHARGE AND DISERSON OF THE EXCENSIVATION. THE DEPOSITION OF THE CONTINUENT BY THE CONTINUENT BY THE PUBLIC PUBLISHED AND THE CONTINUENT BY THE PUBLISHED AND PROPERTY OF THE PUBLISHE
- PRIOR TO PURCHASE OR CONSTRUCTION OF ANY UTILITY PIPE OR STRUCTURE, THE CONTRACTOR SHALL SUBBAT SHOP DRAWNOS ON ALL MATERIAS, F. REQUIRED, TO THE ENGINEER FOR REMEW AND APPROVAL, PROR TO SUBMITIAL TO THE COUNTY AND J.C.
- ALL PIPE LENGTHS ARE SCALED DIMENSIONS. ALL DRAWAGE STRUCTURES SHALL BE CONSTRUCTED TO CONFORM WITH COUNTY RECURSIBENTS AND SHALL BE CONSTRUCTED TO CONFORM WITH CURSING, PROPERTY LINES AND LOW POINTS AS SHAWN ON THE PLANS.
- CONTRACTOR SHALL INSURE THAT ALL DRAWAGE STRUCTURES, PIPES, ETC. ARE CLEAN AND FUNCTIONING PROPERLY AT TIME OF ACCEPTANCE.
- 5. ALL DRAINAGE STRUCTURES ARE TO HAVE TRAFFIC BEARING GRATES. THE CONTRACTOR SHALL INSURE ALL GRAINAGE STRUCTURES, PIPES, ETC. ARE CLEAN AND FUNCTIONING PROPERLY AT TIME OF
- 8. Unsuitable materials under mater, sewer pipe, storm pipe or structures shall be removed and replaced with selected bacofill and properly compacted.
- 7. ALL UNDERGROUND UTILITIES MUST BE INSTALLED PRICE TO PREPARATION OF SUBGRADE FOR PAYEMENT.
- 8. ALL WATER AND SEWER CONSTRUCTION WITHIN THE CITY SHALL BE ACCOMPLISHED BY AN UNDERGROUND UTILITY CONTRACTOR LICENSED UNDER THE PROMISIONS OF CHAPTER 489 OF THE FLORIDA STATUTES.
- B. SANTARY SEWER SERVICES SHALL BE A MANKUN OF 8" DIAMETER PAG WITH A MANKUN SLOPE OF 1/8 MCH PER FOOT AND SHALL BE TERMINATED AT THE BUILDING CLEANOUT AT THE DEPTH SHOWN OH
- 10. WATER LINES SHALL HAVE A MINIMAM OF 30° COVER FROM FINISHED GRUDE UNLESS OTHERWISE SKIONA. ALL WATER MANS SHALL BE FLUSHED IN ACCORDANCE WITH AWAY GSJ DEMITEDION STANDARDOS. IN THE COURT FROM THE MANAMA DEPIT REQUIRED
- 11. ALL POTABLE PVC PIPE 3 NOIES IN DIAMETER OR LESS SHALL BE LISTED AS INST-PW AND SHALL BE MARKED AS SICIL.
- 12. WATER AND SEMER UNES ARE DESIGNATED TO FINISHED GRADES AND SHALL BE PROTECTED UNTIL FINISHED WORK IS COMPLETE.
- 13. A FULL UNCUT LENGTH OF WATER MAIN PIPE (USUALLY 20 FEET) SHALL BE CENTERED AT THE POINT OF CROSSING OF ALL WATER AND SEMER (INCLUDING STORM) LINES AT THE POINT OF CROSSINGS RECONCUES OF VEHICLE, SEPARATIONS.
- 14. SI THE CASE MEDIE SOLUSITIO CONTAINATION IS FOUND IN THE TRENCY, WORK MILL BE STOPPED AND THE PROPER AUTHORIES SHALL BE NOTICE. WITH THE APPROVAL OF THE NAME OBDIT! THEALTH DEPARTMENT OCCURE INTO PRE-TITINES AND APPROVED SOLVENT INSTAINAT OLIGIEST MATERIAL SHALL BE USED IN THE CONTAINATION JOKE. THE OUTTILE FROM PRE-MILL EXTEND AT LEAST 100 PETE TECTION ONT INCOCCURED SOLVENT.
- 14. In regard to the request for a letter of release to place the potalee water construction with service, the bacterological surely points mil be found to a reduct of analysis will be found to a reduct of analysis. The surple rainers will correspond to those on the bacterological sample lab sheets.
- 18. THE REDORD OR AS—BULLT DRAWNOS SUBMITTED AT THE TIME OF REQUEST FOR A LETTER OF RELEASE TO FLACE THE CONSTRUCTION HITO SERVICE WILL CLEARLY DOPICT THE VERTICAL CLEARANCES BETTMEN WATER AND SEWER (INCLUDING STORY) LIVES AT ALL CROSSING.
- 17. LMESS OFFERMER HOTEL, ALL WATER MARS SIALL BE FIX DIRECTOR OFFO AND ALL WATER MARS ST OF SULLER SHALL BE HOPE MARKACHIND OF PE 4710 METHIC THE APPLICABLE STADARDS OF ASTA DUZUG, ASTA DIZZOS AND NST-14. HERE TURNO SHALL BE COPPER TIME SIZE SER-9 AND INSERTIC SHALL BE 316 STANEES STELL
- (8. ALL GATE VALVES SHALL BE JEA STANDARO, VALVES SHALL BE MECHANCAL JOHT, CAST ROM, BRONZE FITTED WITH RESIDENT SEAT. ALL VALVES SHALL OPEN BY TARRAHO TO THE LEFT, VALVES SHALL BE RATED AT 200 FS WORKING PRESSURE AND ON PS TEST PRESSURE.
- 19. ALL MATER MANS SHALL BE BASTRINGOROU, AND PRESSING TESTED AT 150 PS FOR 2 HOURS IN ACCORDANCE WITH AWAY O-400 STANDARDS. NO CONCENTION TO DISTRING POTABLE MATER STSTEM, SHALL BE ALLINGO WITH. ALL PROCEED WATER USES HAVE BEEN PRESSING TESTED, CONCENTRAL AND GLARGO FOR SERVICE. THE DISMERS MUST BE NOTHED 48 HOURS PROR TO PROTECUING THE PRESSING TEST AND MISTIS OF PRESCRIT.
- 20. ALL FORCE MAINS SHALL BE BE PRESSURE TESTED AT 150 PSI FOR 2 HOURS IN ACCORDANCE WITH AWAY A C-600 STANDARDS. THE ENGINEER MAST BE NOTIFIED 48 HOURS PRICE TO PERFORMING THE PRESSURE TEST AND MAST BE PRESSUR.

- A UTILITY COMPANY PRE-CONSTRUCTION CONFERENCE MUST BE HELD PRIOR TO COMMISSIONALITY OF THE CONTRACTOR SIMILE CONTACT THE UTILITY COMPANY TO SCHEDULE THIS CONFERENCE.
- 22. THE COMPRACTOR SHALL AND SERVICE INTERRUPTIONS AND MANTAIN ANY EXISTING MATER AND SEMBS SERVICE TO MEET THE SYSTEM DELINIOS AT ALL TIMES. THE COMPRACTOR SHALL BE RESPONDED FOR HOTELORM OF APPETITED COSTOMERS OF THE UTILITY A MINIMUM OF 46 HOUR ADVANCE OF ANY INTERRUPTION OF SERVICE.
- 23. ALL NEW MOJER RELOCATED WATER MAN PIPES AND RITHINGS SHALL NOT CONTAIN MORE THAN DORT PREVOKE LAW ON ALL PACCING AND CONT MATERIALS USED IN THE CONTES SHALL CONTROL WATER ALL PROPERTY OF THE CONTES SHALL CONTROL NO MORE THAN DORT PROPERTY LEVO MO. ALL SOLDERS AND FILMS SHALL CONTROL NO MORE THAN DORT PROPERTY LEVO MO. ALL SOLDERS AND FILMS SHALL CONTROL NO MORE THAN DE PROPERTY LEVO.
- 24. CONNECTION IS CONTINGENT UPON CONSTRUCTION, DEDICATION AND FINAL ACCEPTANCE OF THE OFFSITE WATER TRANSMISSION SYSTEM AND SEWER COLLECTION SYSTEM WITHIN THE LIMITS OF THIS PROJECT.
- 2A. WATER AND SEMER CAPACITY FEES SHALL BE REQUIRED AT TIME OF METER APPLICATION. FEES WILL BE BASED ON TOTAL MANDER OF PLUMBING FXCTURE UNITS SHOWN OR LISTED ON BUILDING PLANS.
- 26. ALL PIPES CONFORM TO THE APPROPRIATE AWAY STANDARDS AND SPECIFICATIONS.
- 27. ALL PIPMIC AND ASSOCIATED APPURITENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST JEA STANDARDS, DETAILS & MATERIALS MANUAL, CURRENT REVISION.
- 28. METER MIST BE APPUED AND PAID FOR BY A LICENSED WASTER PLUMBER OR UTILITY CONTRACTOR. APPLICATION IS TO BE MADE AT 515 HORTH LAURA STREET, 1st FLOOR, CUSTOMER SERMICE BUILDING
- 29. ALL WATER MAN PRESSURE AND LEAKAGE TESTING SHALL BE IN ACCORDANCE MTM AWAA 0600-07 AND LEA'S APPLICABLE STIMONARIS AND SPECIFICATIONS. ALL WATER MAIN DISPETERING SHALL BE ACCORDANCE WITH AWAR LOSS HAD LEA'S APPLICABLE STRANGAGE AND SPECIFICATIONS.
- 31. THE TAPS ARE TO BE SCHEDULED 48 HOURS IN ADVANCE BY CONTACTING YOUR JEA INSPECTOR. 32. ALL NEW PRIVATE CHISTIE FIRE HYDRAHTS SHALL BE PARTED RED.
- 33. A MATER SUPPLY FOR FRE PROTECTION, EITHER TEMPORARY OR PERMANENT, SMALL BE MADE AVAILABLE AS SOON AS COMBUSTBLE MATERIALS ACCUMULATE.
- 34. WHERE UNDERGROUND WATER MAINS AND HYDRANTS ARE TO BE PROVIDED, THEY SHALL BE INSTALLED COMPLETED, AND IN SERVICE PRIOR TO VERTICAL CONSTRUCTION WORK. 35. Underground wans installation reduces separate permit.
- 36. Final inspection of mainfolds and television inspection of gravity semer small be required prior to placing wastewater collection system into service.
- J7. MEDIANICAL RESTRANDING JORITS ARE REQUIRED IN ACCORDANCE WITH JEA STANDARDS WHERE WATER WANS ARE TERMINATED AND AT ALL BENDS, REDUCERS, VALVES AND TEES.
- MONOR DESIRATE MAN ALL BOOK REDUCES, WALES AND TEXT.

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- 41. ANY MANHOLE ADJUSTED AFTER LIMEROCK BASE HAS BEEN COMPACTED SHALL BE BACKFILLED WITH FLOWARLE FILL.



TYPICAL PLAN VIEW - TYPE "A" AND "B" LOTS NEIGHBORHOOD GRADING DETAIL

- NEIGHBORHOOD DRAINAGE & GRADING NOTES FRASHED FLOOR ELEVATION AND APPROXIMATE BUILDING LOCATION AND LETTER DENOTES LOT TYPE GRADING
 - ALL PROPOSED LOT CORNERS SHALL BE AS FOLLOWS: BACK CORNER LOT ELEVATIONS ARE AT NATURAL GROUND UNLESS DIMERWISE NOTED OR MEDIE FILLING IS REQUIRED TO OBTAIN 18 SLOPE.
- 3. "A DR B" DENOTES STD. LOT TYPE GRADING, EXACT LOCATION OF SWALES SHALL BE DETERMINED MEN THE SIZE AND LOCATION OF BUILDING OF BUILDING OF 5ET (BY OTHERS)
- PROPOSED GRADE AT LDT CORNERS FHESHED FLOOR ELEVATIONS CIVES ON PLAN ARE MAINING EXACT ELEVATION SHALL BE DETERMINED WHEN THE SIZE AND LOCATION OF BUILDING IS SET (BY OTHERS).
- CONTRACTOR TO REMOVE UNSURTABLE MATERIAL UNDER HOUSE PADS IN ACCORDANCE WITH PROJECT GENTECHNICAL REPORT

"	1.3 FEET PLU	3 °			
_	FRONT & REAR CORNER OF THE 18CH SIDE OF THE LOT			Project No.: 21-01-0009	
	COMPANY	CONTACT / TELEPHONE	Designed: MEL	Dreen: ANB	
WATER SERVICE	JEA	CHRIS BARRINGTON / 665-4081	Checked: JEW	O.C.: RCW	
SEWER SERVICE	JEA	CHRIS BARRINGTON / 865-4081	Date: JULY 21, 2021 Score:		
ELECTRIC SERVICE	FP&L	ROBERT HADDOCK / 225-3003			
TELEPHONE	AT&T	MARVIN FISHER / 727-1544	1		
CABLE	COMCAST	LARRY WINBURN / 380~7574	Sheet 3	3A	

Wicker Landscape Jacksonville, 3031 www.c ~ Connelly . 500 ve. Suite: (904) 24 AND GENERAL NOTES LEGENDS FOR T CORPORATION ORIDA RIDGE PREPARED F SEMANIK INVESTMENT 교 SANDY YULEE, E. LEAFIROTT, P.E. NUMBER: 61449 Per: Engheer

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Archite Florida Cwieng

A pre-construction meeting with Nassau County Engineering Services Construction Inspector is required. Attendees shall be Nassau County, Engineer of Record, Contractor, Testing firm, Paving firm, and utility companies per Nassau County Ordinance 99-17 Section 7.2.3. Nassau County may cancel pre-construction meeting if

attendee list is inadequate. Nassau County Engineering Services can be reached at 904-530-6225.

The contractor shall schedule and coordinate all work with the appropriate Nassau County Construction Inspector assigned to the project per Nassau County Ordinance

Development Review General Notes:

Federal, State, or Local law, code, or ordinance.

Review Committee prior to field changes.

Engineering Plans approval does not constitute permission to violate any adopted

All work within the public streets and right-of-ways shall conform to Nassau County

County Roadway and Drainage Standards, and Nassau County Standard Details as

Land Development Codes (LDC), FDOT Standard Indices, Florida Greenbook, Nassau

necessary. For any discrepancy between standards, the most stringent shall prevail.

Per Nassau County Roadway and Drainage Standards, Ordinance 99-17 Section 6.2.4,

site shall be constructed per approved construction drawings. Any substantial deviation

shall be concurrently reviewed by Engineer of Record and Nassau County Development

99-17 Section 7.2.

All work shall be performed in a safe manner, All safety rules and guidelines of O.S.H.A. shall be followed. The contractor shall be wholly responsible for any injuries to his

employees and any damage to private property or persons during the course of this

Fer Nassau County Roadway and Drainage Standards, Ordinance 99-17 Section 11.8.1, any disturbed areas within Nassau County Right-of-Way shall be sodded.

Per Nassau County Roadway and Drainage Standards, Ordinance 99-17 Section 7.4.1. at the time of final inspection, grassing shall be a minimum of seventy percent coverage

and fully established and/or sodding to be one hundred percent coverage and

Engineer of Record approved shop drawings shall be provided to Nassau County Construction inspector a minimum of one week before beginning structure installation.

10. Parking at mall kinsks is required per Nassau County Roadway and Drainage Standards. Ordinance 99-17 Section 8.4. Mall kinsk locations are subject to USPS Postmaste

ROADWAY AND DRAINAGE STANDARDS

ENGINEERING SERVICES DEPARTMENT

DEVELOPMENT REVIEW GENERAL NOTES

NOTE SHEET: 1 ISSUED: 12/09/2020

11. The developer's contractor is the single responsible party for the proper implementation of an Erosion Protection Sediment Control (EPSC) within each lot or construction site. This includes the responsibility for the actions/inactions of employees, subcontractors, and/or suppliers.

- 12. Sidewalks to be provided and built in accordance Florida Building Code. All proposed sidewalks shall meet ADA requirements.
- 13. The Contractor shall comply with current Florida accessibility standards for all work
- 14. Per Ordinance 99-17 Section 8.5.1, minimum cover for water lines and force mains under payement shall 42" and 36" in green areas.
- 15. All water, sewer, and storm water construction within Nassau County ROW shall be accomplished by an underground utility contractor licensed under the provisions of Chapter 409 of the Florida Statutes.
- 16. No work shall be permitted between the hours of 7:00 PM 7:00AM without prior approval from Nassau County Engineering Services.
- 17. All trees required to be protected shall be flagged for protection prior to clearing.
- 18. All grading and placement of compacted fill shall be in accordance with the latest Massau County Specifications.
- 19. Any damages (sidewalk, curb, asphalt, ditch grading, et cetera) within Public Right-of-Way shall be repaired or replaced in accordance with Nassau County Specifications, Proposed repair method shall be approved by Nassau County
- 20. Any asphalt millings from Nassau County ROW shall be delivezed to the Road Department Laydown yard located on Gene Lasserre Boulevard or Pea Farm Road. Please contact the Road Department at (904) 530-6175.
- 21. Per Nassau County Ordinance 99-17 Section 7.4.2 and 7.4.4. as-hullt drawings shall be submitted to Hassau County before a final inspection can be scheduled. As builts submittals will be in accordance with Nassau County as-huilt requirement checklist As-built drawings shall be certified by required licensed surveyor and approved by Engineer of Record.

Stormwater Drainage Notes:

- All stormwater drainage facilities within Public Right-of-Way and paved areas, including Nassau County Right-of-Way, turn lanes, residential roadways, drive aisles for multi-family developments, and major drive alsies for commercial developments shall be laser profiled per FDOT Section 430.
- A builder cannot modify the County's storm water management system bicloding the pipes, inlets, area drains, ditches and related elements typically within the street or within a drainage easement without the prior written approval of the County Engl
- Drainage easements and ditches should remain free of stockpiled soil, sediment, mud, construction materials/waste, et cetera at all times. Positive stormwater flow must be
- The contractor shall temporarily or permanently stabilize bare soil areas and soil stockpiles when the area is inactive for fourteen days or more or has reached finished
- Per Ordinance 99-17 Section 11.11.5.4, all gravity flow pipe installations shall have a soil tight joint performance unless specific site factors warrant watertight joint Per Ordinance 99-17 Section 10.6.5.1, immediately install additional Erosion Protection
- ediment Control measures if sediment is leaving your site. Failure to contain sediment to your site may result in delayed inspections, notices of violation, citations, fines, penalties, and/or stop work orders.
- Per 99-17 Section 10.1.2.a-e, stormwater management for a project shall not have adverse effects on adjacent properties, downstream structures, or rights of other

- Per Nassau County Roadway and Drainage Standards, Ordinance 99-17 Section 12.2 and 12.4, a construction bond and 26-month maintenance bond will be required for all work within Nassau County Right-of-Way.
- A pre-pave meeting is required prior to any paving operations within Nassau County ROW, residential subdivisions, or multi-family developments.
- Approved mix designs shall be provided to Nassau County Construction Inspector 48 hours prior to pre-pave meeting or placement of concrete

- Contractor is required to have a Certified QC Asphalt Level il Technician during any asphalt operations within Nassau County ROW, residential subdivision, or multi-family
- All bases shall be primed in accordance with Ordinance 99-17 Section 11.5.2.3, Nassau County Standard Details, and FDOT Standard Specifications
- Signage and pavement markings shall be in compliance with Nassau County Standa Manual on Uniform Traffic Control Devices (MUTCD), and FDOY Standard Plans.
- 7. Maintenance of Traffic (MOT) shall be in compliance with FDOT Standard Index 600
- 8. All work, materials, and testing performed within Nassau County right-of-way and single-family/multi-family developments shall be in accordance with the current revision of Nassau County's Ordinance 99-17 and all current Nassau County Standard
- 9. Per Ordinance 99-17 Section 11.9.2, all pavement markings within Nassau County ROW shall be lead free thermoplastic meeting Nassau County and FDOT Standard Specification Latest Edition.
- 10. Removing pavement markings within Nassau County ROW shall be:
 - a. Grinding or hydro-blasting on weathered asphalt surfaces
 - b. Hydro-blasting only on new asphalt surfaces,
 - c. Paint Blackout is prohibited.
- 11. Per Ordinance 99-17 Section 8.5.5, any damage to pavement resulting from construction or pavement marking removal within Public ROW not planned as part of the project shall be milled and overlaid for entire width of roadway and length of mage plus 50° in each direction.
- 12. All underground utilities, or appropriate conduit sleeves, that are to be installed under pavement must be installed prior to preparation of the subgrade for pavemen
- 13. Single Vertical Joints in roadway construction shall be avoided in Nassou County Right-of-Way using Nassau County Standard Betali #26.
- 14. All drainage structures shall have traffic bearing grates that meet or exceed the rating for the facilities expected traffic.
- 15. All concrete shall be a minimum of 3000 psi within Public Right-of-Way

ROADWAY AND DRAINAGE STANDARDS ENGINEERING SERVICES DEPARTMENT

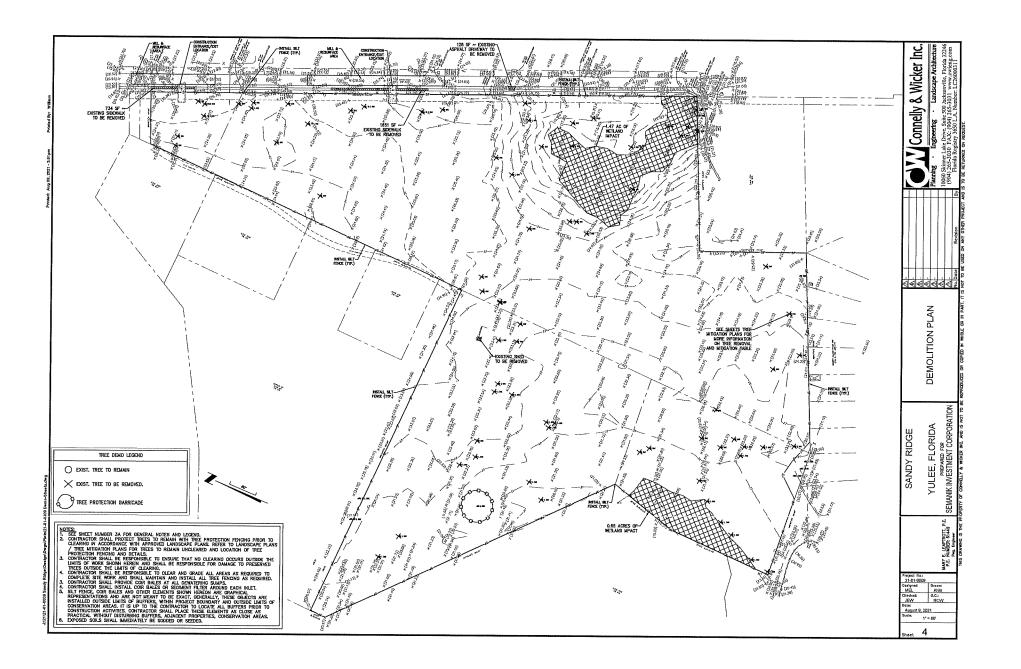
STORMWATER DRAINAGE & PAVING NOTES

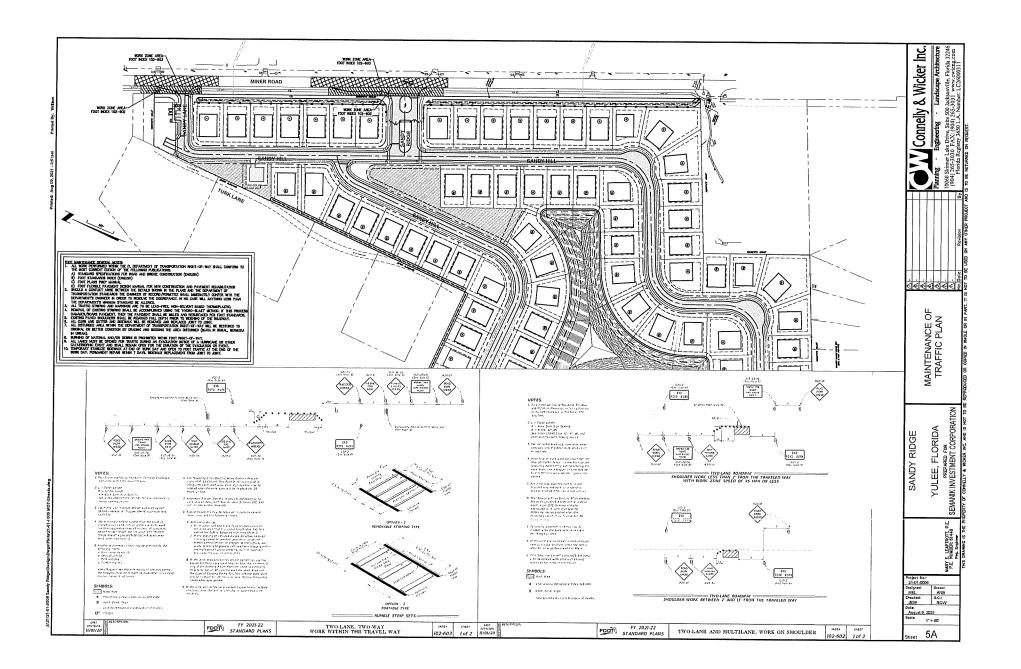
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Connelly & Wicker Inc.
Engineeting - Landscape Architecture
also Drive, State 380 Jacksonville, Florida 32246
50 FAX: (1994) 525-3310, www.www.engorg.
5031 L.A. Wanther: L'ORGORIER, com <u>ବ୍ୟବ୍ୟବ୍ୟ :</u> NASSAU COUNTY GENERAL NOTES YULEE, FLORIDA PREPARD FOR SEMANIK INVESTMENT CORPORATION SANDY RIDGE

3B

JULY 21, 2021





Phone (984) 530-6225

Nassau County Engineering Services Department 96161 Nassau Place Yulce, Florida 32097

Road Closure Policy

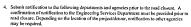
- Submit a written request to the County Engineer for the road closure. In the request you must explain the following:
 - a) Why the road needs to be closed and the duration of the closure?
 b) What are the benefits to public for clossing the road?
 c) Include a draft detour plan.

After the road closure request and draft detour plan have been approved, the following information shall be submitted to the Nassau County Engineering Services Department for review and approval.

- 2. Submit to Nassona County Engineering Services Department: A Maintenance of Traffic (MOT) Plan that was prepared by or approved by Politick Advanced Maintenance of Traffic (AMOT) Plan that was prepared by or approved by Politick Advanced Maintenance of Traffic (AMOT) Certified personal effectivening the Lotte editions of the Politic Department of Transportation (PDOT) Design Stendards Section 600 and the Montal on Uniform Traffic Central Devices (AUTCO). These plans shall archited be Weslatic Traffic Seperitive at port he lettest edition of the PDOT Standard Specifications for Road & Bridge Centrarctics Section 105-8.3. Variable Message Bossaft (VAII) Sulb be required and shall be insulated Tayes port to the definite taking place and centain thoughout. Any signed detour that will be within PDOT Right-orNey for on pottons threwth) flath laws point PDOT proposal.
- A Maintenance of Traffic Plan proposing a change to any approved documents, including contract documents and approved construction plans must be signed and scaled.
- 3. Provide a public notification adversariement to a approved back leavage to a present no less than fourteen (14) days printe to the scheduled clower. Submit the draft notification to Nassau County Engineering Services for review and approval prior to advertising. This notification will clearly describe the name of the other wide will be affected, effect deteur rustee, domain or of construction, the name of ill took that will be affected, effected destructions, domain or of constructions, the name of all took that will be affected, effect deteur rustee, domain or of the surrounding area and delour rustee. Dirgem must be clear and depict road names and rous direction. The state of advertisement in newspaper shall be a minimum of 24 nounts wide by 12 taches long (toll) or our filth (1/3) of a page with a minimum of 24 point four for the bedding and for point for fit the bedding and to point for fit the bedding and story plate. Player with the same information may be require publishing of the advertisement in the paper, however, all other criteria must be adhered to.

Fax (904) 491-3611

Road Closure Policy Page 2 of 3



- Nassau County Sheriff's Office
 Ricky A Ruwell, TAC
 Phone (904) 548-4000
 Fax (904) 225-5737
 Email irkkytif naxyour com
 L. Rene Grabam, Lt.
 Phone (904) 548-4028
 Fax [904) 548-4128
 Email Ingulani Grassouro com
- Nassan County Emergency Management o Martha Oberdorfer Phone (904) 548-0931 Fax (904) 548-4194 Email <u>intoberdorfero/ ussaniso.com</u>
- Nascau County Fire Department
 O thief Brady Rijolon
 Email—Frijolon'(massucoustyll.cem)
 O thief Greg Roland
 Email—golander massucoustyll.cem)
 O thef theh Rabiir
 Email—mellifictars/succountyll.cem
 Phone—(944) 321-5748
 Fax (994) 321-5748
- Nassau County School Hus Transportation
 Brad Underhill
 Phone (904) 225-0127
 Fax (904) 255-9404
 Email underhilling massau k12. Itus
- Nassau County Road & Bridge Department Jennifer Kirkland
 Phone - (1964) 530-6175
 Fax - (964) 530-6901
 Email - jkirkland@nassancountyfl.com

- Nassau County Manager's Office
 Sabrina Robertson
 Phone (904) 530-6010
 Fax (904) 521-5784
 Email <u>stobertson@massaucountyfl.com</u>
- United Postal Service (Yulce)
 Cassondra Mitchell
 Pinne (904) 875-6083
 Fax (904) 225-9733
 Email cassondra Lmitchell @usps.goy
- United Postal Service (Fernandina) Paul Battista
 Phone - (904) 557-9342
 Fax - (904) 277-7947
 Email - paul d battista@ seps.gov
- United Postal Service (Callahan/Bryceville) Elizabeth Williams Phone - (984) 879-2131 Fax - (904) 879-6737 Email - elizabeth s williams@usps.gov
- . United Postal Service (Hilliand) Officer Postal Service (Hilliard)

 O Bridgett Wagers

 Plante – (904) 845-2151

 Fax – (904) 845-7738

 Email – <u>bridgetta.wagers@usps.gov</u>



Road Closure Policy Page 3 of 3

Landscape Architec Jacksonville, Florida 3 -3031 www.cwieng.c umber: LC26000311

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MAINTENANCE OF TRAFFIC PLAN

YULEE, FLORIDA PREPARE FOR SEMANIK INVESTMENT CORPORATION

P.E.

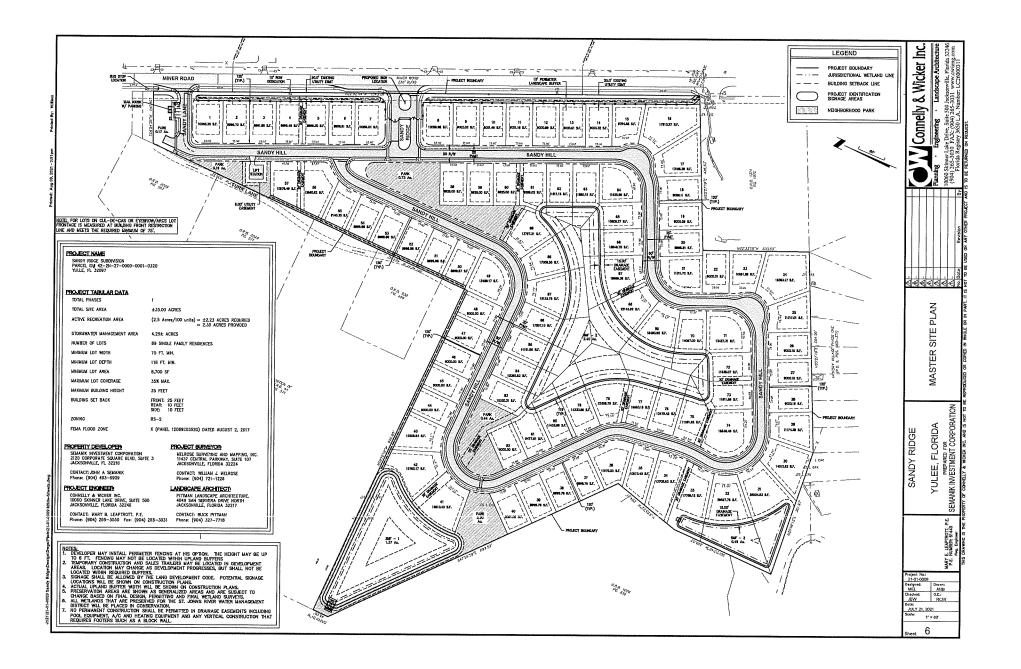
ANB O.C.: RCW August 9, 2021 ********* 5B

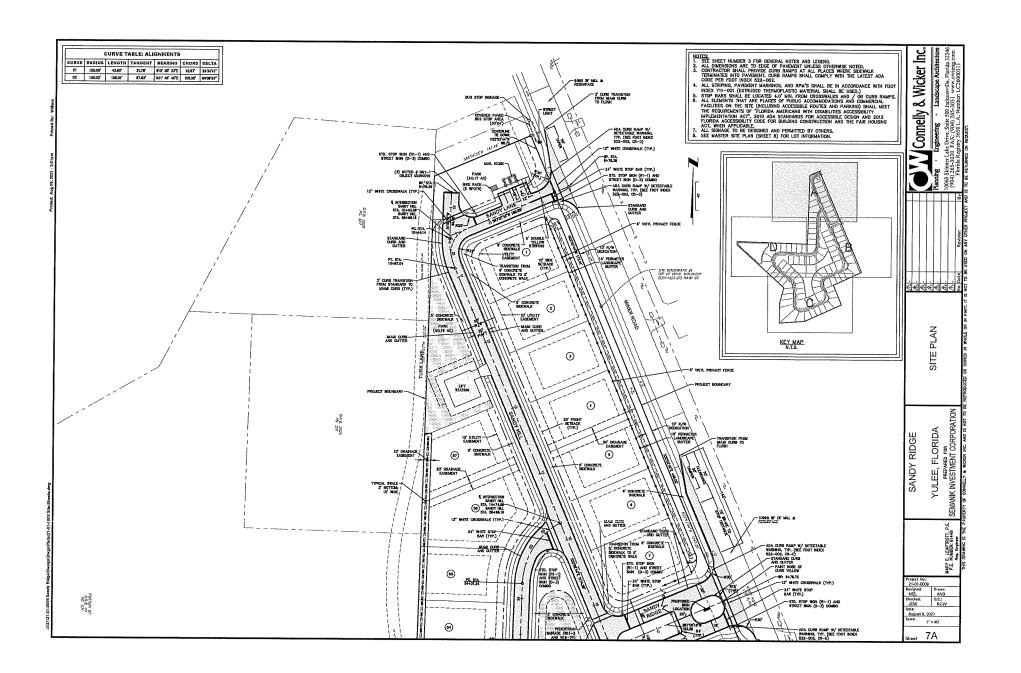
SANDY RIDGE

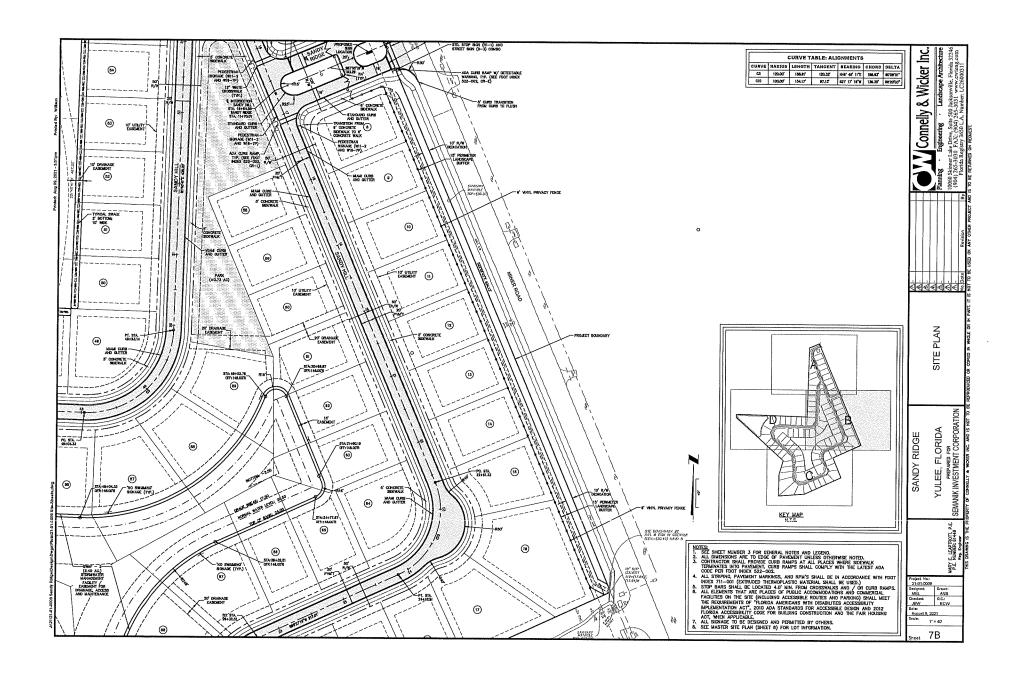
Connelly & Wicker

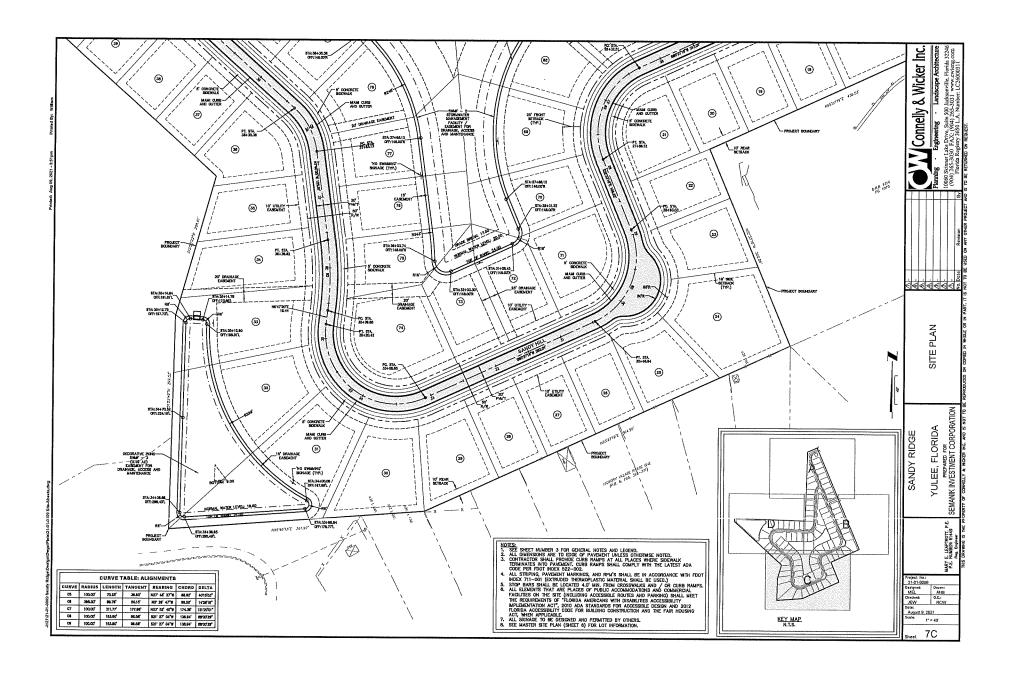
- Signage will be in place prior to road closure. They will be bagged/covered until needed. VMBs, will be installed and operating a minimum of seven (7) calendar days prior to any
- Visual inspection of the VMB by the Engineering Services Department is required at installation or relocation. Visual inspection of all road/detens signage shall be accomplished prior to road closure. Contact Engineering Services 48 hours prior to installation for

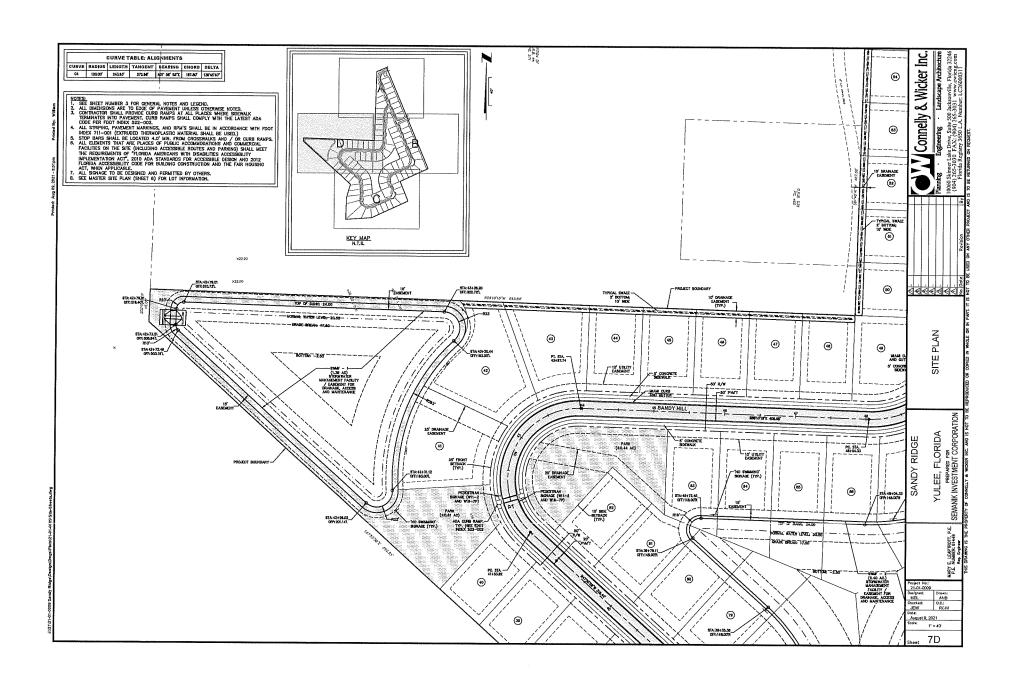
Phone (904) 530-6225 Fax (904) 491-3611 Phone (904) 530-6225 Fax (904) 491-3511

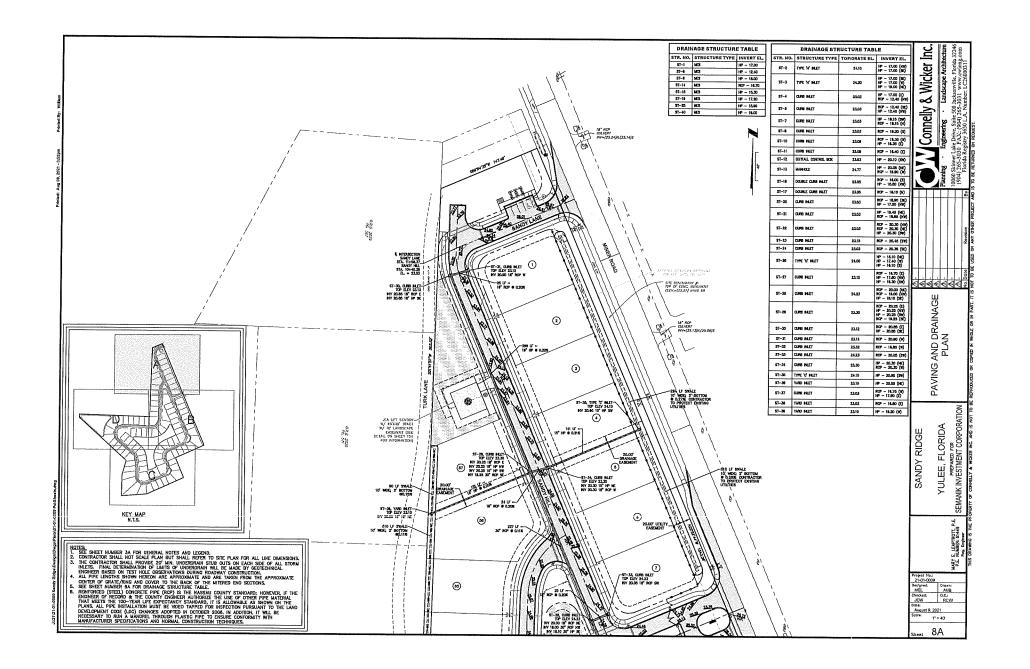


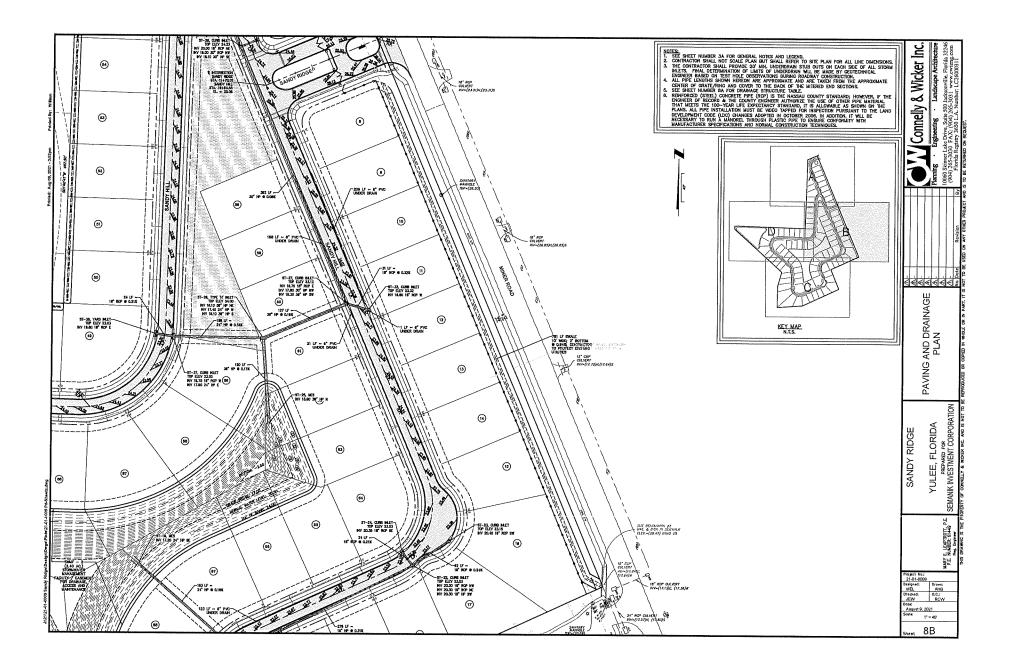


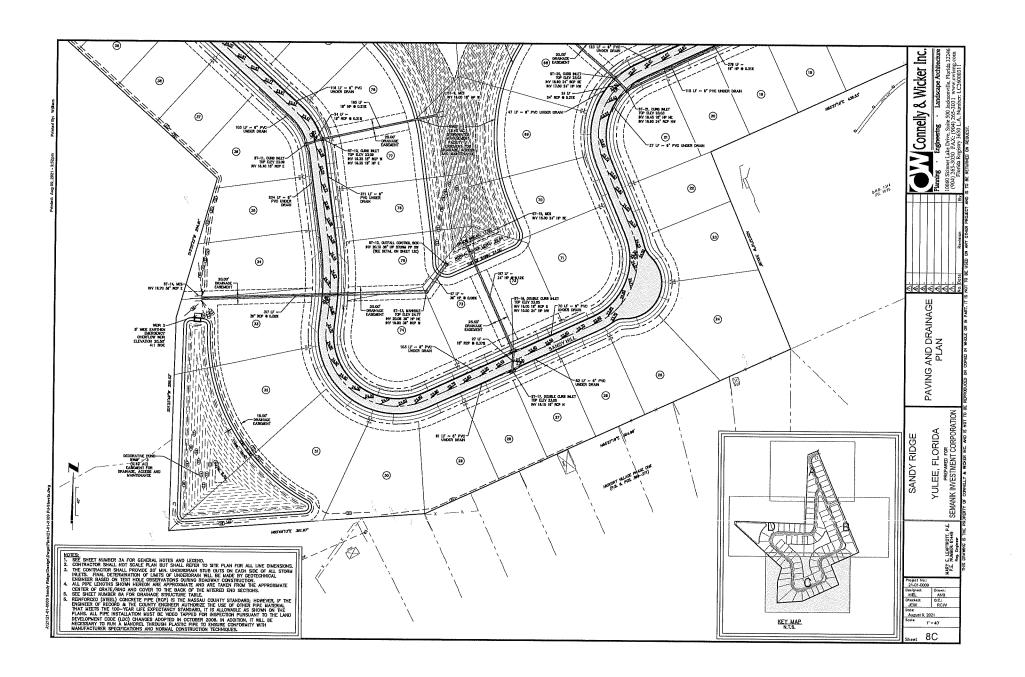


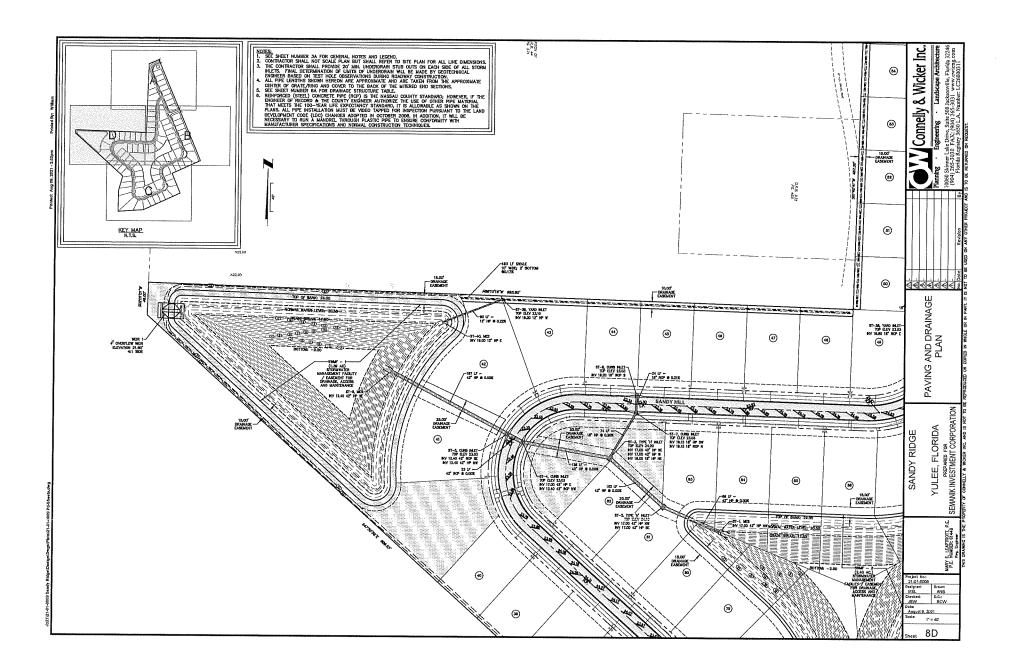


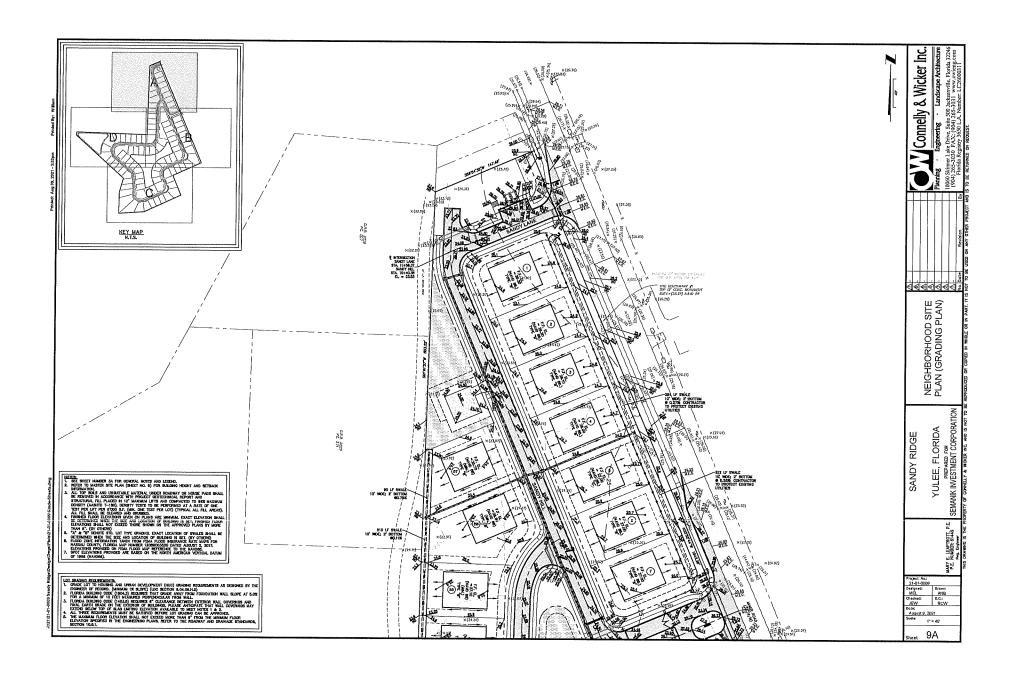


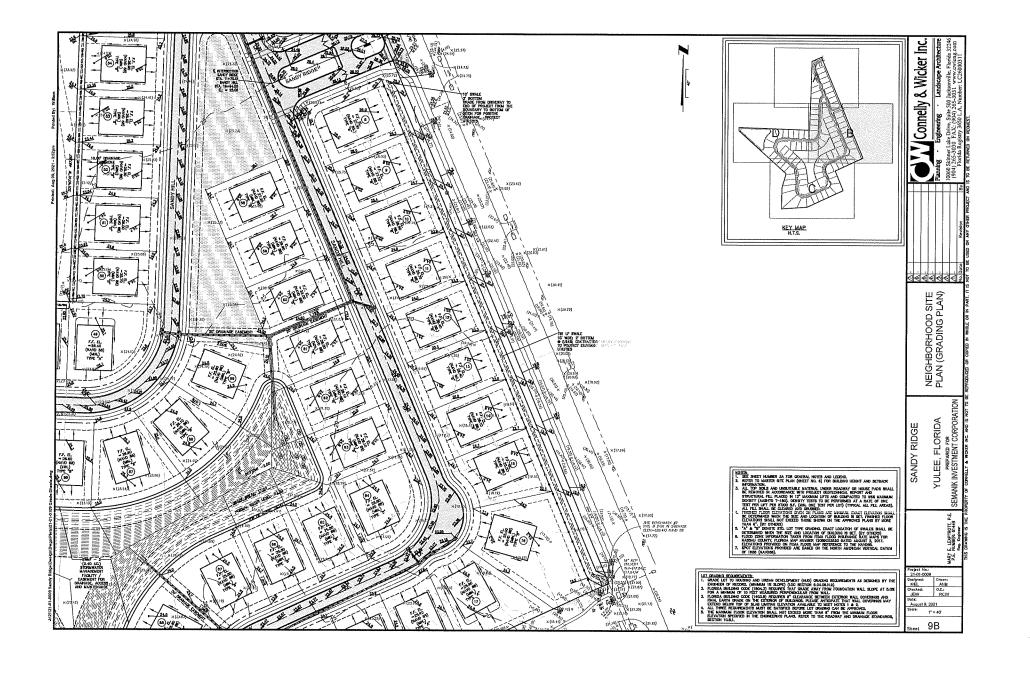


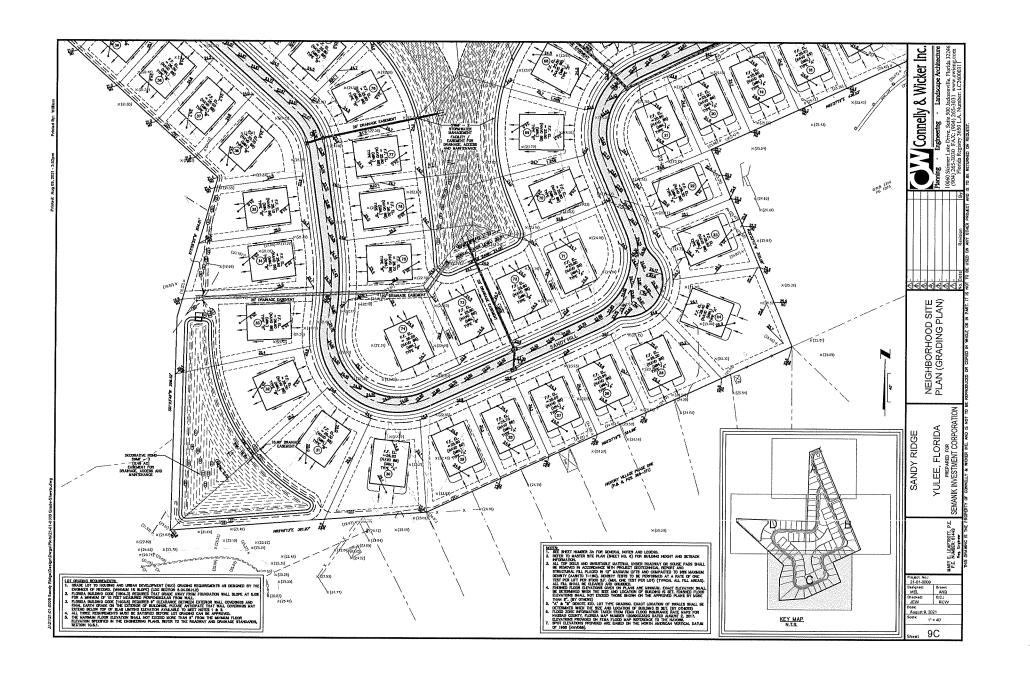


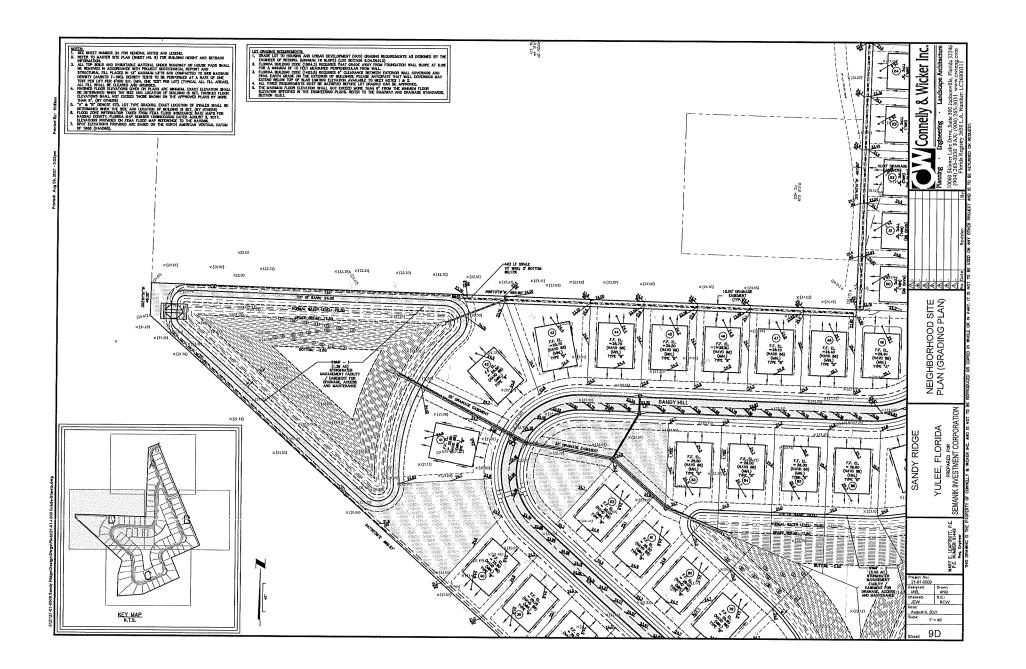


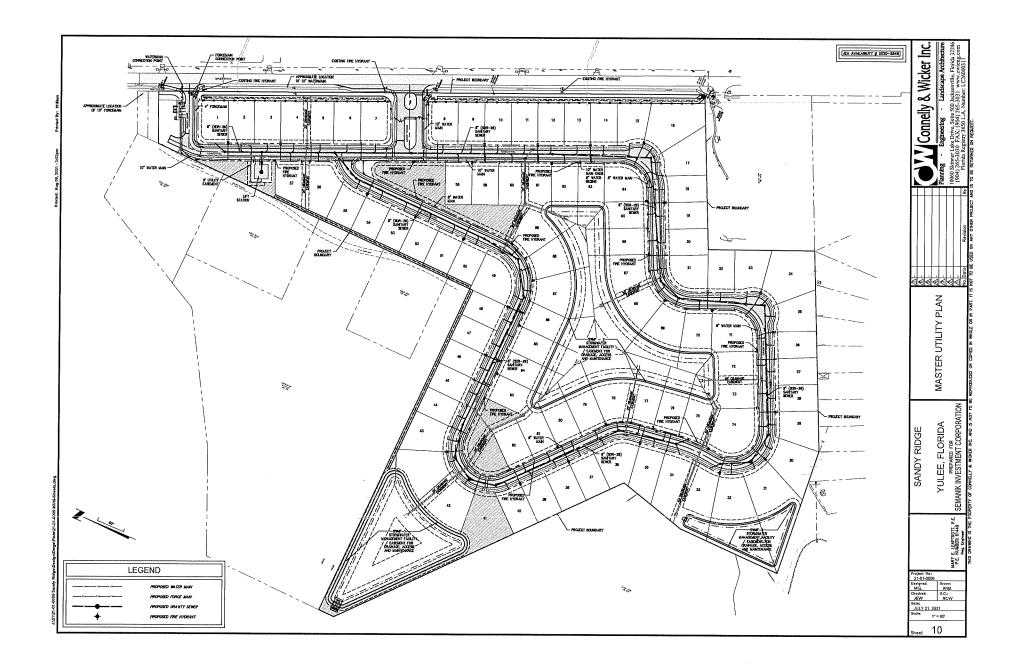


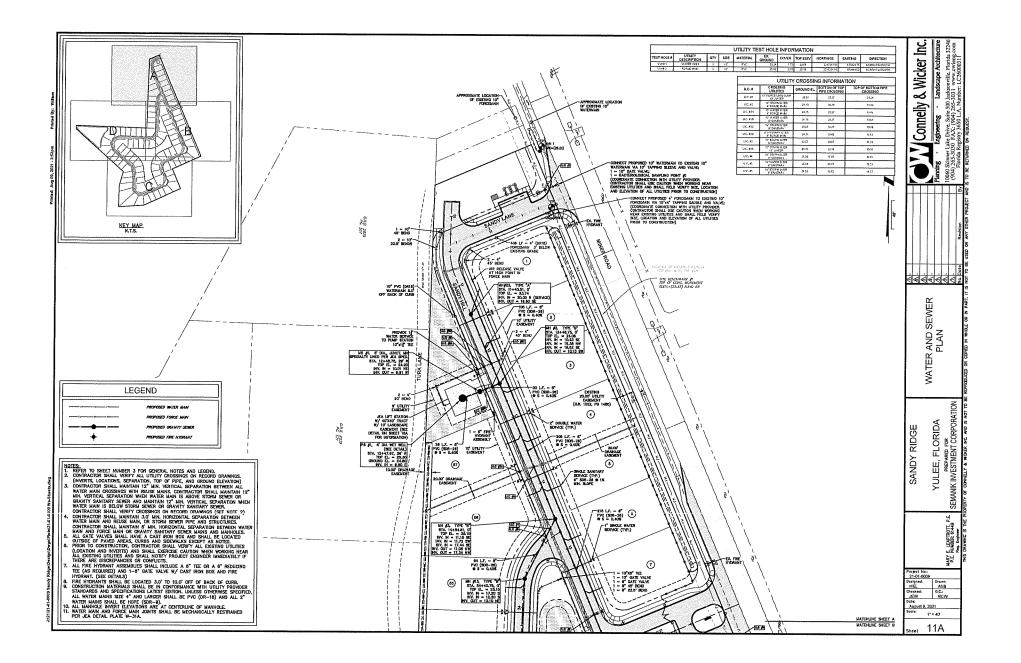


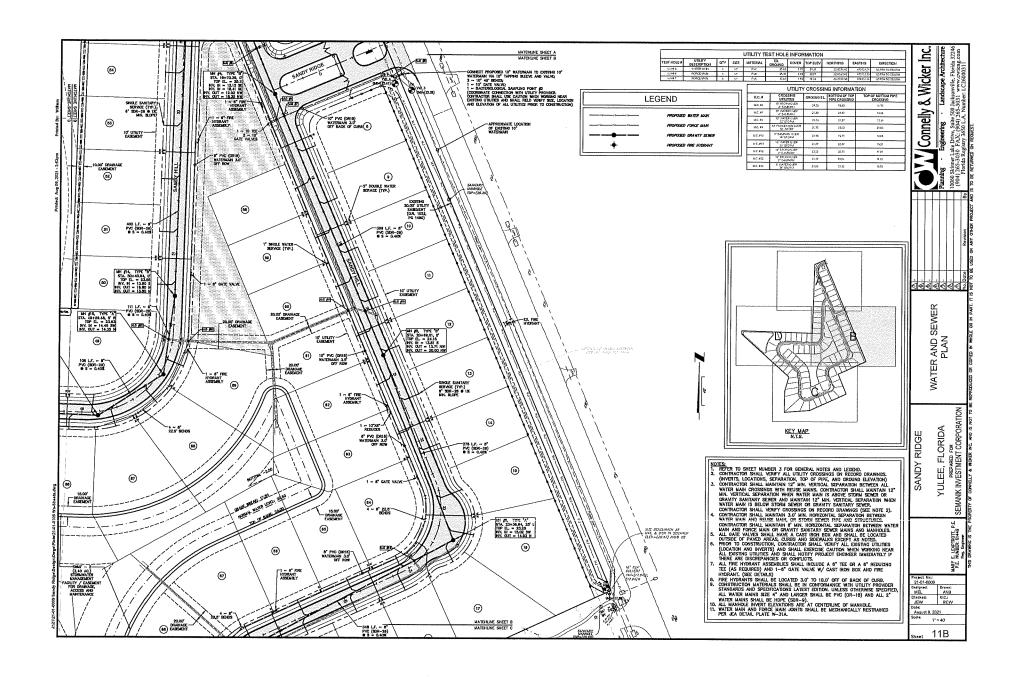


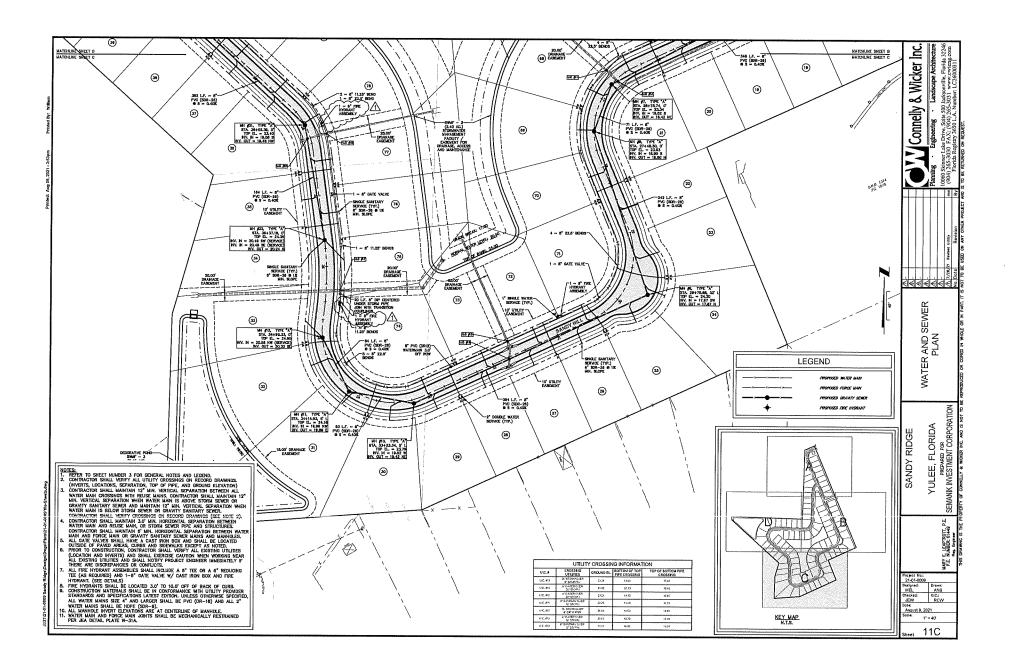


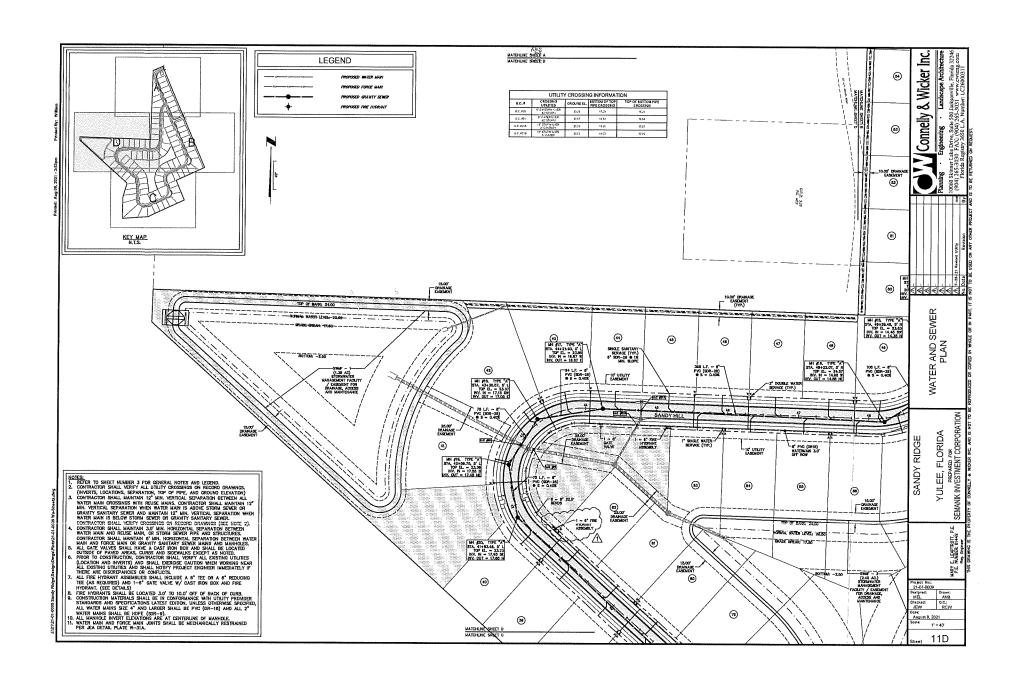


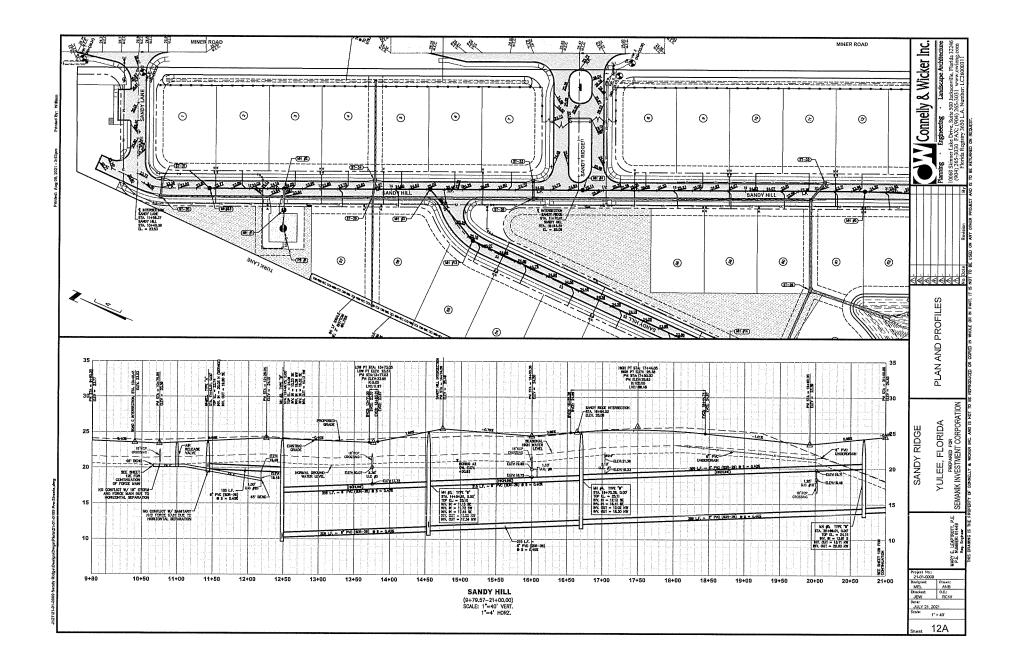


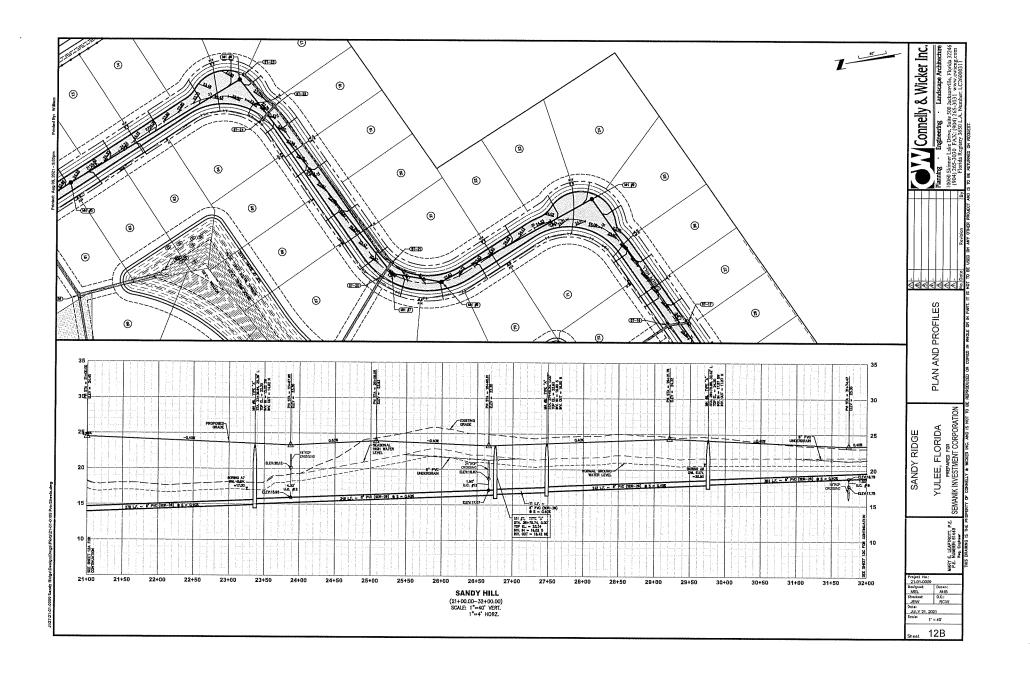


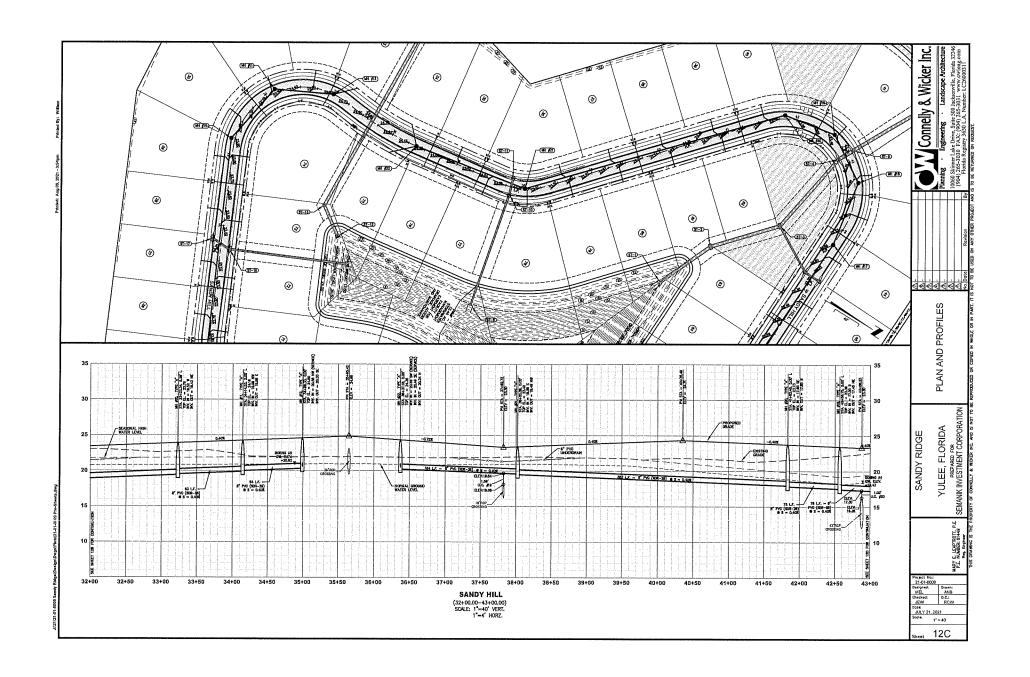


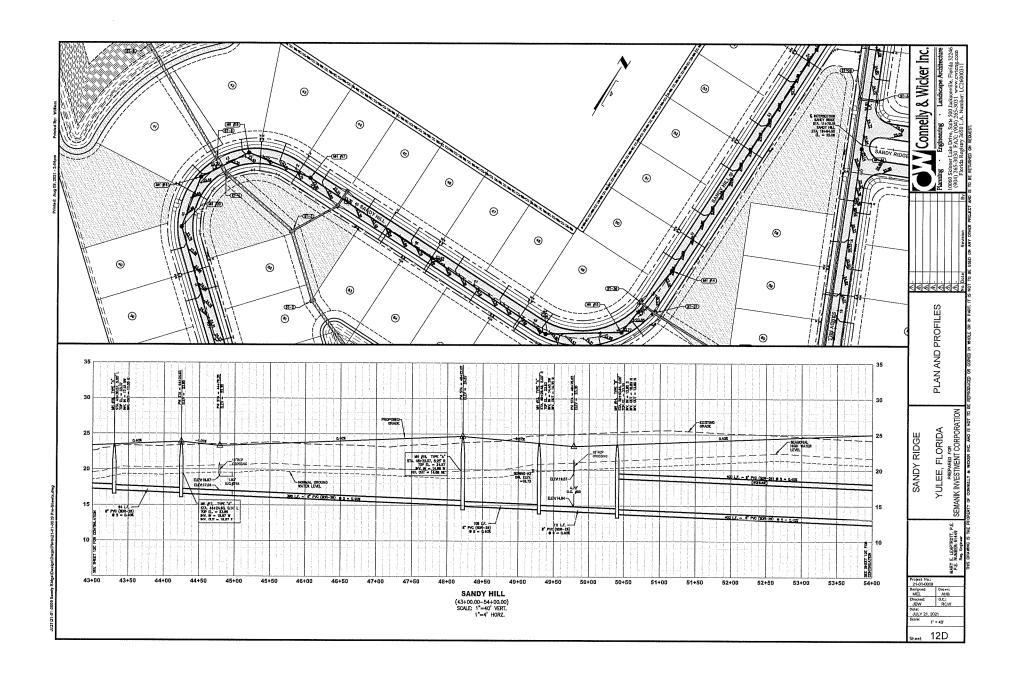


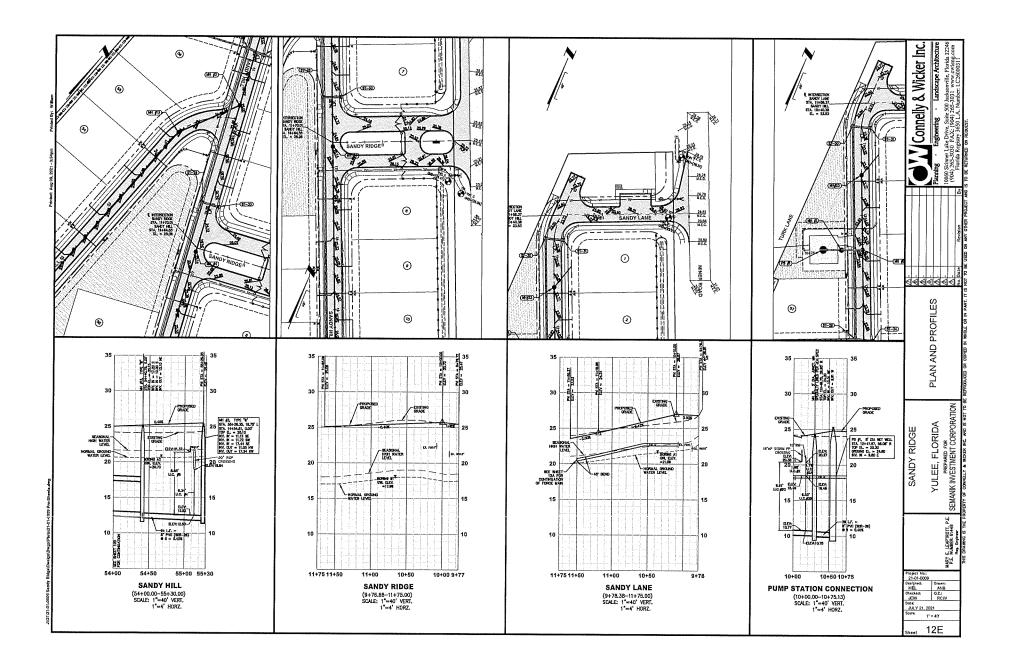


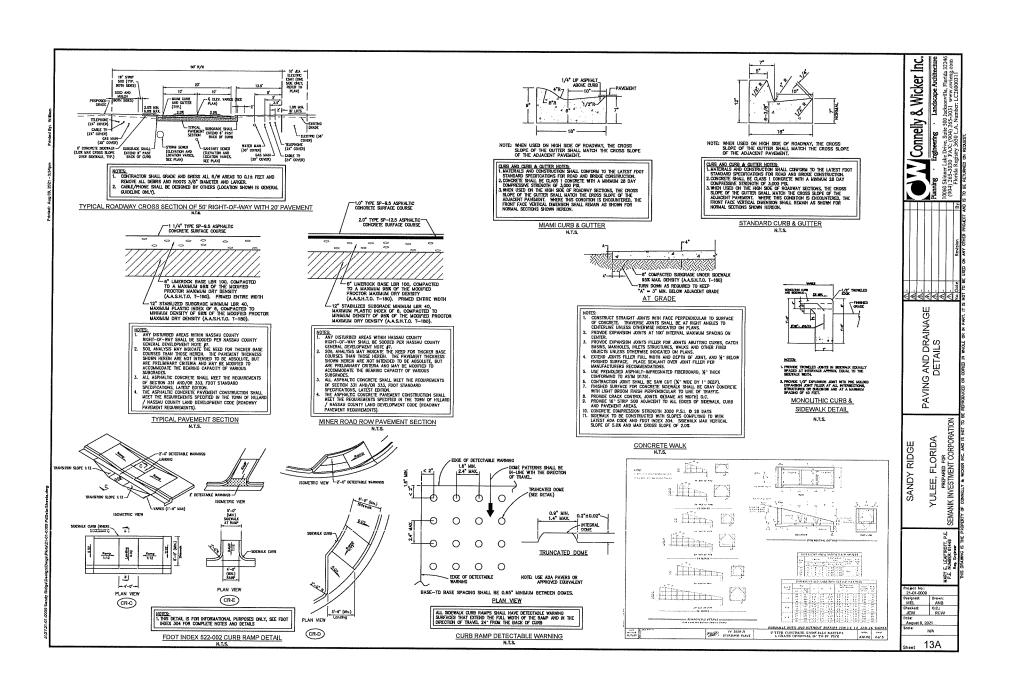


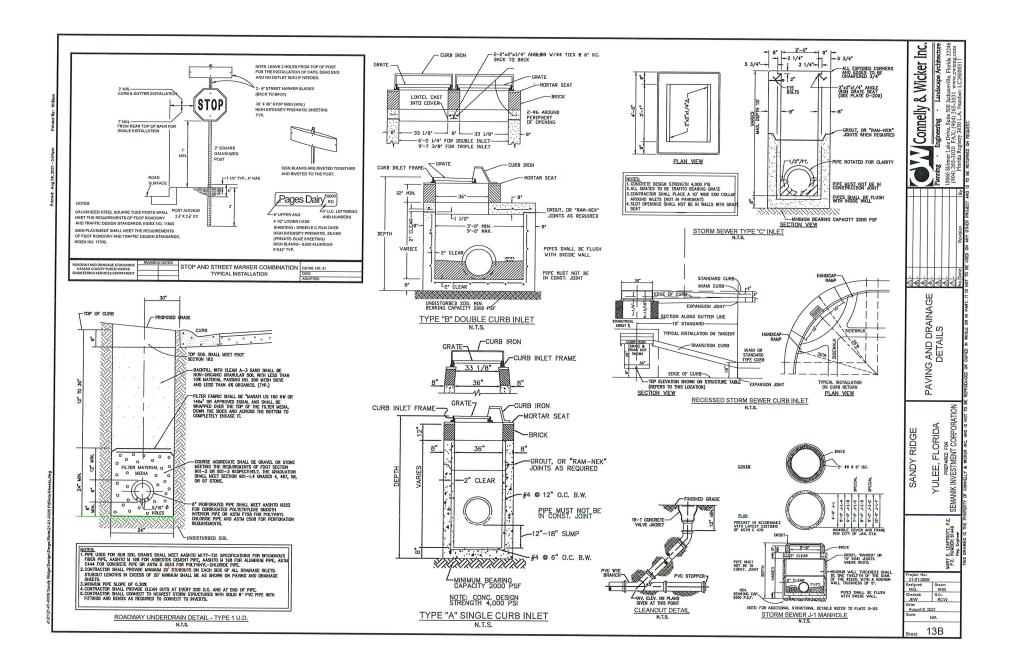


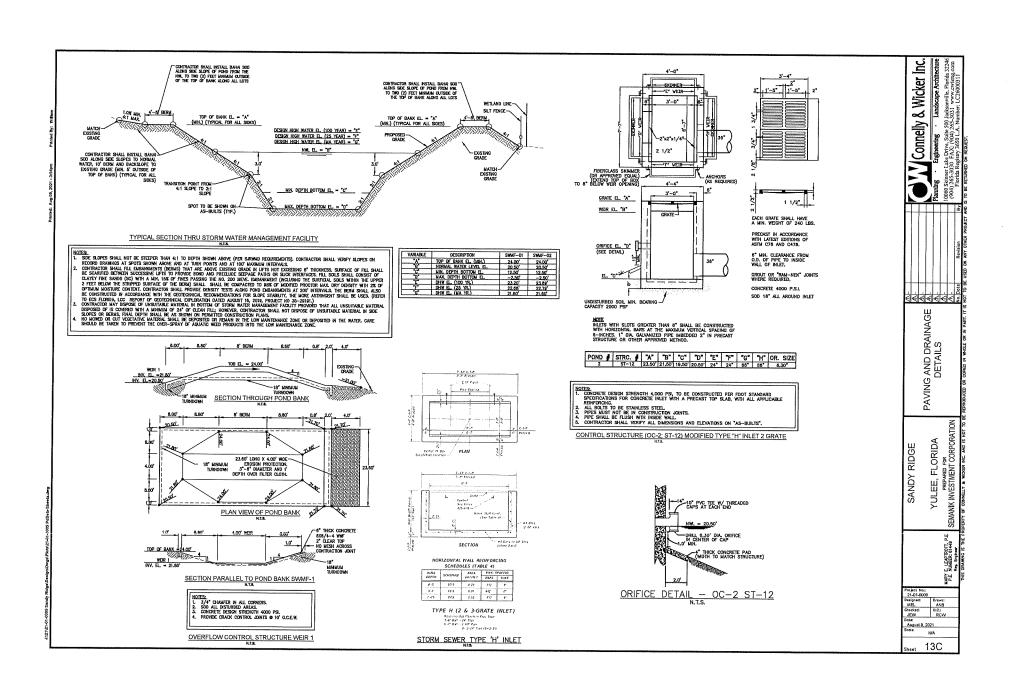


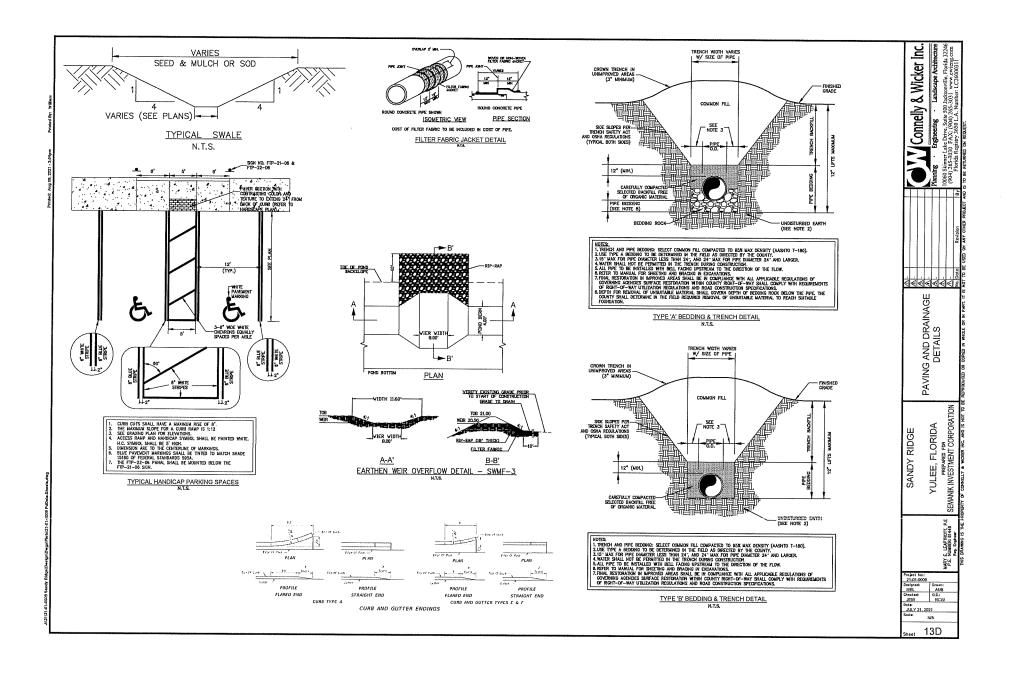












	PROPOSED UTILITY											
	POTABLE WATER		WASTEWATER GRAVITY AND FORCE MAIN		RECLAIMED WATER			VACUUM SEWERS				
CONFLICTING UTILITY	HORIZ.	VERT.	JOINT SPACING	HORIZ.	VERT.	JOINT SPACING	HORIZ.	VERT.	JOINT SPACING	HORIZ	VERT.	JOINT SPACING!
POTABLE WATER	3° NOTE I	12"	3 NOTE 2	6" to 10"	12° 110TE 5	6' NOTE 2	3	12"	6° NOTE 2	3" to 10"	12"	3' NOTE 2
RECLAIMED WATER	y	12"	6' NOTE 2	3° NOTE 1	12"	NOTE 2	3	12"	NOTE 2	3° NOTE 1	12*	3° NOTE 2
WASTEWATER (GRAVITY AND FORCE MAIN)	6 PP 10.	12"	6° NOTE 2	3° NOTE 1	12"	6"	3' NOTE 1	12*	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2
VACUUM SEWERS	3' to 10'	12*	3' NOTE 2	3' NOTE 1	12"	6.	3' NOTE 1	12"	3' NOTE 2	Y NOTE 1	12"	3° HOTE 2
RIGHT OF WAYS	3' NOTE 1	IVA	BA	NOTE 1	N/A	h/A	3' HOTE 1	IVA	10/4	3' HOTE 1	IVA	2UA
PERMANENT STRUCTURES (SIGNS, POLES, ETC.)	3' NOTE 1	N/A	H/A	3" NOTE I	N/A	t⊮A	3' NOTE 1	N/A	N/A	J' HOTE (NVA	NIA
STORM SEWERS	3° NOTE 1	12"	3' NOTE 2	3' NOTE 1	12"	3 NOTE 2	3' NOTE 1	12*	NOTE 2	NOTE 1	12"	3' NOTE 2
GAS	3' NOTE 1	12"	NOTE 2	3' NOTE 1	12"	3° NOTE 2	NOTE 1	12*	NOTE 2	NOTE 1	12"	3" NOTE 2
TREES	3-6 NOTE 6	ΝA	H/A	3-6° NOTE 6	HIA	ħΙΑ	NOTE 6	NA	IVA	3'-6' NOTE 6	NVA	N/A
ALL OTHER UTILITIES	3° NOTE 1	12*	3' NOTE 2	NOTE 1	12"	3' NOTE 2	3° NOTE I	12*	3' NOTE 2	NOTE 1	12"	3' NOTE 2

MOTES:

- 1. THIS SEPARATION REQUIREMENT IS TO PROVIDE ACCESSIBILITY FOR CONSTRUCTION AND MAINTENANCE. THREE FEET OF HORIZONTAL SEPARATION IS THE MINIMUM FOR PIPES WITH THREE FEET OF COVER. FOR PIPES INSTALLED AT GREATER DEPTH, PROVIDE AN ADDITIONAL FOOT OF SEPARATION FOR EACH ADDITIONAL FOOT OF DEPTH.
- 2. THE MINIMUM JOINT SPACING REQUIRED FROM CROSSING FROM OTHER UTILITIES WHILE STILL MAINTAINING MINIMUM VERTICAL SEPARATION
- 3. DISTANCES GIVEN ARE FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE
- 4. NO WATER FIPE SHALL PASS THROUGH OR COME INTO CONTACT WITH ANY PART OF SAINTARY OR STORM WATER MAJHOLE OR STRUCTURES.
- WATER MAIN SHOULD CROSS ABOVE OTHER PIPES WHENEVER POSSIBLE. WHEN WATER MAIN MUST BE BELOW OTHER UTILITY PIPING, THE MINIMUM SEPARATION SHALL BE 12 INCHES.
- 6. REFER TO POTABLE WATER PIPING- SECTION 350, III.4.11.

SEPARATION REQUIREMENTS FOR WATER, WASTEWATER AND RECLAIMED WATER MAINS

JANUARY 2021

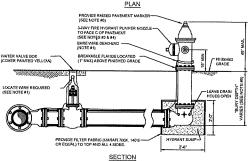
WATER MAIN AND MOLAWATER MAIN SEPARATION REQUIREMENTS - NOTES

- NEW OR RELOCATED, UNDERGROUND WATER MARIS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE (S) FEET BETWEEN THE CUTSIBLE OF THE WATER MAN AND THE CUTSIBLE OF A PROPOSED STORM SERVER. STORMWISER FORCEMEN, OR PROPOSED STORM SERVER.
- TIEN OR RELOCATED, LIDERIORICALID VALVE MAJIS GROSSION ANY EMETTED OR PROPOSED BANATY OR NAZULATY.

 AUMRAY SERVING OR GEOME SERVE BRAIL SE MAD SO THE OUTSING OF THE WRITE HAND SE A THAT OF SERVING ANY SERVEN AND ANY SERVEN AND ANY SERVEN AND ANY SERVEN ANY SERVEN
- NEVOR RECORTE UNDERGROUND WATER IMMEDICATION ANY EXISTING OR PROPOSED PRESSURE-TYPE CAUSTANY
 SEVER, WASTEVERER OR STORMWATER FORCE WATER OR PRESENCE ONLYPHOR RECLAMBOUTTO MALE ELAB OR THE
 OUTSIDE OF THE WATER MAN IS A LEAST TWELVE (1), INCHES ADOVE OR BELOW WHICH GUISIDE OF THE OTHER PRESENCE.
 NOWLY, R. I. OR PREFERRANE TO A LEAST TWELVE (1), INCHES ADOVE OR BELOW WHICH GUISIDE OF THE OTHER PRESENCE.
- AT THE UTILITY CHOISERED DESCRIBED PHIOTES A AND SADON, ONE FIRLL ENDING IT WATER MAN PIPE BALL BE CRITERIO ADDICTOR BEOWNING OTHER WATER WATER AND SADON OF BEOWNING OTHER PROBLEMS OF THE WATER WATER AND JOHN AND A LIBERT FROM THE SADON OF THE WATER AND SADON OF THE WATER AN
- IEWOR RELOCATED FIRE KYDRAITS SMALL BE LOCATED SO THAT THE KYDRAITS ARE AT LEAST THREE BY FEET FROM MY
 CASTROS OF PROFOSED STORM SEVERS STORMAGNETS FORCE MARL OR PPECLATE CONCEINS RECLAMPED WATER, AT LEAST
 THREE BY FEET, AND PREFEARALY THO FEET, FROM ANY DESTROOR OR PROPOSED ORANITY OR PRESSURE-TYPE
 SWITCH'S STORY OR WASTERNALE FORCE MAIL.
- A. MARIER AN UNDERGROUND WATER MANIER BETOL AND LESS TWAN THE RECAMES LIGHTAN PROTECTION AND THE PROPERTY AND AND THE PROPERTY

NOTES ON UTILITY SEPARATION REQUIREMENTS

MJ TEE, [HYDRANTIANCHOR TEE SHALL BE APPROVED BY OAM MANAGER] HYDRAHT SUMP (PROVIDE GRAVE AND FILTER FABRIC AS SHOWN) **(** 3/4' RODS ALONG FIRST 15 LF-FROM HYDRANT (NOTE #2) 6" M.J. GATE VALVE (RESTRAINTS RE POSITIONED HEAREST TEE FITTING 2'-8" MECHANICAL RESTRAINT REQUIRED (TYP)



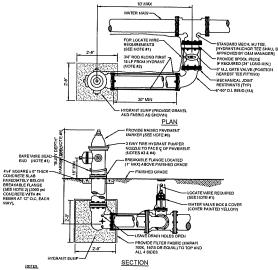
- LOCATE WIRE SHALL BE ROUTED FROM THE VALVE TO THE HYDRANIT AS SHOWN ABOVE LEAVEND ENOUGH SLACK TO REACH 4" ABOVE FFIAL DRADE. THE END OF THE WIRE SHALL BE SECURED TO THE PIPE MAPI, SEE SECTION MO, LOCATE WIRE INSTALLATION PARGRAPH.
- NETALLICIE PYANAMONIA.

 THE HYDRANG SHALL BE HETALLICE ETWEN BACK OF CURB AND PACE OF SIDEWALK MIN HIGH NUMBER INMALEGICIA ARACA. THE GRITINGE BAMCE FROM EDGE OF ANALOSIS PHYMOTICS. BACK OF CURB MIN PACE OF SIDEWALK CHALLES ARACA. THE GRITINGE BAMCE FROM EDGE OF ANALOSIS PHYMOTICS. BACK OF CURB MIN PACE OF SIDEWALK CHALLES ARACA. THE CHARLES ARE CHARLES AND HER REPORT BACK OF CURB SHALL BE AND A CHARLES ARE CHA

- PRE YMDRANTS SALL, EX ORDRED WITH PROPER "BURY DEPTH TO MET ACTUAL IND CONSTRUCT," IN ESPECIALLY PROPORTION TO ME AMARICH LIBES MAPPORT AFFORD THE OFFICE OF THE OFFICE OF THE OFFICE OF

FIRE HYDRANT INSTALLATION USING MECHANICAL JOINT TEE

JANUARY 2021 PLATE W-13



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SEWER DETAILS

AND

WATER A

LOCATE WHIE SHALL BE ROUTED FROM THE VALVE TO THE HYDRAHT AS SHOWN ABOVE LEAVING BROUGH SLACK TO REACH 4"
ABOVE FRIAL GRADE. THE EXID OF THE WIRE SHALL BE SECURED TO THE PIPE MAIN. SEE SECTION 319, LOCATE WIRE INSTALLATION
REPLACEMENT.

- OPERATION OF THE FIRE HYDRANT SHALL BE EITHER RULL OPEN POSITION OR TOTALLY CLOSED POSITION. THE HYDRANT SHALL NOT BE UTILIZED TO THROTTLE OUTLET FLOW.

FIRE HYDRANT INSTALLATION LIMITED SPACE

7. A 1" PRINCATION SERVICE MAYBE TAPPED PITO THE (1" MIN) DOMESTIC WATER SERVICE LINE MARCH SERVES THE SAME CUSTOMER) UTRIZZIO A 1" BRONZE" "FITTING, (IN AREAS WHERE NO RECLAIMED WATER IS AVAILABLE). 8. No 2" AND SMALLER WATER SERVICE TAPS PERMITTED ON WATER MANS WHICH ARE 20" AND LARGER SIZE. B. NECLAMED WATER METER BOXES OR SERVICES GRALL BE CONSTRUCTED SMILAR TO THE ABOVE AND SHALL BE LOCATED, AT A MIDL OF SIT FROM THE POTABLE WATER SERVICE, AND/OR BOX. AND NOT ALLOWED IN CONCRETE OR ASPIRALT UNITESS APPROVED OTHERWISE BY JEA. WATER OR RECLAIM SERVICE INSTALLATIONS 2" AND SMALLER METER

8. DOUBLE 1" WATER SERVICES IS ALLOWED FOR SHORT SIDE OR LONG SIDE SERVICES AND WHERE SHOWN ON THE DRAWINGS.

A LOCATE WIRE SHALL BE PLACED ON SERVICES 10FT OR GREATER.

15' MAX

2. PRESS SECRETION CHARACTER OF THE AFFECHER CONTRIVATION CAN OF \$7.000 FC.000 FC.0000

4. FOR SHOLD SERVICES, THE HORMONIAN, DOTAINE (PEREDICIDLAN TO THE MANAGETYSED) THE SERVICES EMDOLE AND THE WITTER ECOLOMIC BE FEET MANAMAN FOR DOUBLE "SERVICES, THE FOR YAMAD WHALL BE LOCATED CENTERIOR BETWEEN THE TYPO METER DOUBLE, LOCATE MORE RECOURTED WHAT MAYORED SERVICES FOR GREATER ALD BOTH, FOR CONTENT WELL BE RECOVED AN UNKNESS WHAT SERVICES FOR GREATER DESCRIPTION OF THE WHAT HAVE AND THE MAYORED SERVICES FOR CONTENT OF THE WHAT HAVE AND THE MAYORED SERVICES FOR CONTENT OF THE MAYORED WHAT HAVE AND THE MAYORED SERVICES FOR THE MAYORED WHAT HAVE AND THE MAYORED SERVICES FOR THE MAYORED WHAT HAVE AND THE MAYORED HAVE AND THE MAYORED WHAT HAVE AND TH

NUMBERS SERVES FOR DAY A LESPACE FOR AN A PACKET REPUTPED BY DISTRIBUTE OF CONTROL PROCESS. THE PACKET OF CONTROL PROCESS OF CO

___1º POLY

2" POLY TUBING

-- 1" JUIP PACK JOINT COUPLING

-MULTI-SERVICE "Y"
(2" FIP INLET AND 3
OR 4 1" FIP OUTLET)

2" MIP PACK JOHNT COUPLING

Z MAX (SEE NOTE #4)

GANG WATER SERVICES GANG WATER SERVICES -

METER W CURB STOP CONSTRUCTED 20 TAR 20 TAR

SINGLE WATER SERVICE

- 2" POLY TUBING

SADDLE WICORP STOP (TYP)

MOTES:

JANUARY 2021

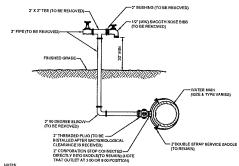
LONG-SIDE WATER SERVICE POLY TUBING (1" MIN.)

METER BOX LOCATION (NEAR UG ELECTRICAL BOX, NOTE #1)

EASEMENT WAVG ELECTRIC BOX OR CHATNAGE EASEMENT (NOTE #2)

10V10' JEA LITTLITY

DOUBLE 1" WATER SERVICE



JANUARY 2021

SERVICE SADDLES WITH 24" SEPARATION AT A MIN. (NO GLUED TEES)

TAPPING SLEEVE OR TEE WITH VALVE

at Dur

SHORT-SIDE WATER SERVICE POLY TUBING (1" MIN.)

WATER METER BOX (TYP) P7 1/2 JEA UTIUTY EASEMENT

- LOCATION OF SAMPLE POPIT 8/88 SHALL NOT BE WITHIN THE ROADWAY BUT ROUTED TO THE ROADWAY SHOULDERS (NON-TRAFFIC AREAS).
- 2. ALL PIPE & FITTE(O SHALL BE GALVANIZED MATERIAL OR PVC 15-40).
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL YEMPORARY PIPPING & FITTING (AS NOTED) AFTER BACTERIOLOGICAL CLEARANCE IS RECEIVED.
- THE CONTRACTOR SHALL COMPLY WITH ALL JEA RULES AND POLICES AS OUTLINED BY THE JEA'S DIVIRORMENTAL RESPONSE COGRESSATOR (ERC) AND OTHER ASSOCIATED JEA STANDARDS.

2" TEMPORARY SAMPLE TAP FOR STUB OUT

WATER SERVICE MARKER REQUIRED FOR NEW DEVELOPMENT AREAS (SEE NOTE #4) SET AT FINAL GRADE (NOTE #7) CO-POLYMER METER BOX & COVER (NOTE #1) CURB STOP
LOCATE WIRE PIG TAIL
END (4" ABOVE GRADE) SET CURB STOP AS -PREVENTER OF APPLICABLE CLOSE TO WALL YAS POSSIBLE (2 MAX) SERVICE SADDLE (SEE NOTE #2) SET METER ON UNDISTURBED OR COMPACTED SOIL POLYETHYLENE WATER SERVICE LINE (100LF MAX., NOTE #3) ACCEPTABLE RANGE FOR

- NO OPEN CUT UNDER ROADWAY PAVING ALLOWED UNLESS THE ROADWAY IS BEING RECONSTRUCTED OR IF
- 5. NO 2" AND SMALLER WATER SERVICE TAPS PERMITTED ON WATER MAINS WHICH ARE 20" AND LARGER SIZE,
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF THE METER OR ELECTRONIC DEVICES IF DAMAGED BY THE CONTRACTOR DURNOTHE CONSTRUCTION PERIOD.
- A. LOCATE WARNS REQUIRED ON ALL SERVICES 10' OR GREATER IN LENGTH, SEE PLATE W444.

WATER SERVICE DETAIL- 2" AND SMALLER METER JANUARY 2021

90° BEND (TO BE-REMOVED) - PIPE (V. SIZE MIN.) (TO BE REMOVED) ROUTE TO ROADWAY SHOULDER IF REQUIRED (SEE NOTES) 90" DEGREE BEND (TO BE REMOVED) 1" CORPORATION STOP CONNECTED DIRECTLY HITO SADDLE (TO REMAIN) -1" WATER SERVICE SADDLE (TO REMAIN) (NOTE THAT OUTLET AT 3.00 OR 9.00 POSITION) WATER MAIN (SIZE & TYPE VARIES)

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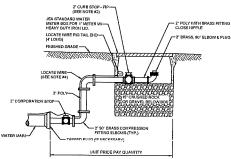
SEWER DETAILS

WATER AND

- LOCATION OF SAMPLE PORT BIRS SHALL NOT BE WITHIN THE ROADWAY BUT ROUTED TO THE ROADWAY SHOULDERS MON-TRAFFIC AREAS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL TEMPORARY PIPING & FITTINGS IAS NOTED AFTER BACTERIOLOGICAL CLEARANCE IS RECEIVED.
- 3. PIPE AND FITTINGS SHALL BE PVC (SCH, 40) OR GALV, MATERIAL
- THE USE OF THE ABOVE CONSTRUCTION FOR A TEMPORARY SAMPLE POINT SHALL BE LINITED TO AREAS WHERE A SAMPLE TAP BY ALTERINATIVE METHODS (SEE VA24) IS NOT FEASIBLE OR IF DIRECTED OTHERWISE BY JEA.
- THE CONTRACTOR SHALL COUPLY WITH ALL JEA RULES AND POLICIES AS AS OUTLINED BY JEA'S DIVIROIMABITA RESPONSE COORDNATOR (ERC) AND OTHER ASSOCIATED JEA STANDARDS.

TEMPORARY SAMPLE TAP

JANUARY 2021 PLATE W-25



NOTES

- 1. PIPE SHALL BE POLYETRYLENE. FITTINGS SHALL BE BRACO.
- 2. THE 2" CURB STOP SHALL BE ALL BRONZE, FITTINGS SHALL BE BRAS
- 1. ASTY RECLAIMED WATER VALVE SHALL HAVE RECLAIMED EMBLES
- 4. LOCATE WIRE FOR 10' OR GREATER IN LEDICITY
- 5. CANNOT BE PLACED UNDER CONCRETE OR PAVEMENT 8. PLACE 2 FEET PAST LAST WAYER MAIN SERVICE CONNECTION

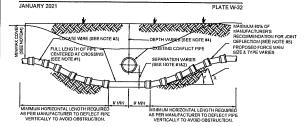
FLUSHING VALVE BELOW GRADE

JANUARY 2021 PLATE WAS

CASE "A" CROSSING

- THE SOR'S BETWEEN THE NEW MAIN AND THE CONFLICT PIPE SHALL BE COMPACTED TO BS'S OF THE MAXIMUM CENSERY AS DETERMINED BY THE LACORATORY MODIFIED PROCESS TEST, ACTURE 1857.
- 2. FOR MEIRAUM VERTICAL SEPARATION REQUIREMENTS SEE DETAIL (VAIO AND VALVE
- 3. LOCATING WHE REQUIRED: SEE DETAIL VA44.
- If UTRITY CONFLICT IS LOCATED IN A NON-TRAFFIC AREA (NO TRAFFIC LOADS) AND THE NEW PIPE IS D.L.P., THEN THE URRIDAM COVER MAY BE REDUCED TO 24 NICHES (ONLY IN THE AREA OF THE CONFLICT).

ADJUSTMENT OVER EXISTING UTILITIES MECHANICAL RESTRAINTS



CASE "B" CROSSING

NOTES:

- IF EXISTING CONFLICT PIPE IS A WATER MAIN, 124NCHES OF SEPARATION IS REQUIRED. A FULL LENGTH OF PIPE SHALL BE CENTERED OVER EXISTING UTILITY MAIN TO PROVIDE MAXIMUM JOINT SPACING FOR ALL CROSSING.
- 2. FOR OTHER LOCATION LIMITATIONS SEE DETAIL (W-10 & W-11).

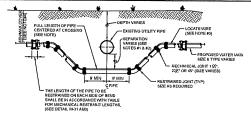
- . JEA ONLY ALLOWS 80% OF THE PIPE MANUFACTURER'S RECOMMENDATION FOR JOINT DEFLECTION, BEHORNO THE PIPE BARREL IS NOT ALLOWED, UNESS OTHERWISE APPROVED BY JAC THE MAXIMUM ARE LISTED IN TABLE BELOW, ONLY MANUAL FORCE CAN BE UTILIZED TO BOTAIN THESE JOINT DEFLECTION. ALL OFFSETS ARE BASED ON MINIMUM 20LY PIPE LENGTH.

MAXIMUM ALLOWED OFFSET FOR PIPE BY JOINT DEFLECTION

PIPE SIZE (IN.)	(X) MAX, UPFSET (IIL)	ANGLE AT ONE BELL	RESULTING RADIUS OF CURVE VISTA 20FT, LENOTHS	PIPE SIZE (IN.)	(X) MAX, OFFSET (IN.)	ANGLE AT ONE BELL	RESULTING RACIUS OF CURVE WITH 20FT, LENGTHS
2	30	7'	150 FT	-	-		
4	10	2.4"	450 FT	4	27	6.5*	177 FT
6	10	2.4"	480 FT	6	24	5.T	200 FT
8	10	2.4	460 FT	8-12	17.5	4.2"	273 FT
10	10	2.4"	480 FT	14 - 16	12	2.9"	400 FT
12	8.5	2.	564 FT	16 - 20	10	24"	477 FT
14 - 24	5	1.2'	960 FT	24 - 30	è	1.9"	6/00 FT
30 - 48	3.25	0.81	1477 FT	36	7	1.7'	687 FT
				42 - 48	6.7	1.6"	716 FT

ADJUSTMENT UNDER EXISTING UTILITIES PIPE JOINT DEFLECTION

JANUARY 2021 PLATE W-40



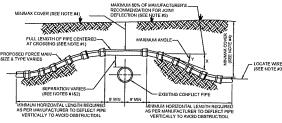
CASE "B" CROSSING

NOTES.

- THE SOILS BETWEEN THE HEW MAIN AND THE CONFLICT PIPE SHALL BE COMPACTED TO 95% OF THE MAXIMUM OBISITY AS DETERMINED BY THE LABORATORY MODIFIED PROCTOR TEST, ASTM 0 1557
- 2. FOR MINIMUM VERTICAL SEPARATION REQUIREMENTS SEE DETAILS (N-10 AND W-11)
- 3. LOCATIVO WIRE REQUIRED. SEE DETAIL W-44.

ADJUSTMENT UNDER EXISTING UTILITIES MECHANICAL RESTRAINTS

JANUARY 2021 PLATE W-34



CASE "A" CROSSING

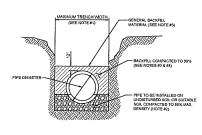
- IF EXISTING CONFLICT PIPE IS A WATER MAIN, 12-RICHES OF SEPARATION IS REQUIRED. A FULL LENGTH OF PIPE SHALL BE CENTERED OVER EXISTING UTILITY MAIN TO PROVIDE MAXIMUM JOINT SPACING FOR ALL CROSSING.
- 2. FOR OTHER LOCATION LIMITATIONS SEE DETAIL (S-10 & VA.11).
- 3. LOCATING WIRE REQUIRED, SEE DETAIL VI-44.
- 4. THE CORRECCERTAL PRIVILES THAT I SEE T
- JEA ONLY ALLOWS 50'S OF THE PIPE MANUFACTUREN'S RECOMMENDATION FOR JOINT DEFLECTION, BENDING THE PIPE BARREL IS NOT ALLOWED, UNLESS OTHERWISE APPROVED BY JEA. THE MAXIMUM ARE LISTED IN TABLE BELOW, ONLY MANUAL FORCE CAN BE UTILIZED TO OBTAIN THESE COUNT DEFLECTION, ALL OFFSIETS ARE BASED ON MAINLAIN DAY FIPE LINDTH.

MAXIMUM ALLOWED OFFSET FOR PIPE BY JOINT DEFLECTION

PIPE SIZE (III.)	MAX, OFFSET (IH.)	(Y) ANGLE AT ONE BELL	RESULTING RADIUS OF CURVE WITH 20FT, LENGTHS	PIPE SIZE (IIL)	(X) MAX. OFFSET (IN.)	(Y) ANGLE AT ONE BELL	RESULTING RADIUS OF CURVE WITH 20FT, LENGTHS
2	30	T	158 FT		-		-
4	10	2,4*	420 FT	4	27	6.5*	177 FT
6	10	2.4"	480 FT	6	24	6,7*	200 FT
8	10	2,4"	480 FT	8-12	17,5	4.2*	273 FT
10	10	2.4"	460 FT	14 - 16	12	2.9*	400 FT
12	8.5	21	564 FT	18 - 20	10	2.4*	477 FT
14 - 24	5	1.2"	960 FT	24 - 30	8	1.9	600 FT
30 - 48	3,25	0.8*	1477 FT	36	7	1,7*	E87 FT
				42 - 48	6.7	1.6"	716 FT

ADJUSTMENT OVER EXISTING UTILITIES PIPE JOINT DEFLECTION

JANUARY 2021 PLATE W-41



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DETAILS

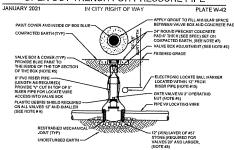
SEWER I

AND

TYPICAL TRENCH

- BACK FILL MATERIAL UP TO A LEVEL OF 1 FOOT OVER THE FIPE SHALL CONSIST OF AASHTO CLASS A-3 SON SHALL EXCLUDE CLAY MATERIALS AND LOOSE ROCKS LARGER THAN 94 INCH SEE.
- 4. BACKFRL MATERIAL UP TO A LEYEL 1 FOOT OVER THE TOP OF PIPE OR BOTTOM OF STRUCTURES SHALL BE PLACED IN 8 DICA COMPACTED THICKNESS LAVERS AND SHALL BE COMPACTED TO 86% OF IT'S MAXIMUM DENSITY AS DETERMINED BY THE LABORATORY MODIFIED PROCIOT FEST. ASTIN DIAS?

OPEN CUT TRENCH FOR PRESSURE PIPE



- FOR INPAVED LOCATIONS, A PRECAST CONCRETE VALVE PAD SHALL BE PROVIDED AND INSTALLED FLUSH WITH GRADE, CONCRETE
 PAD IS NOT REQUIRED FOR VALVE LOCATED WITHE ROADWAY, UNLESS SHOWN OR NOTED OTHERWISE.
- LOCATING WIRE IS REQUIRED ON ALL PRESSURE PIPPIG (SEE DETAILW-44).
- IN PARCEASANS, RESEAU, NAVES AT AGERTAL TO ALLOW A 17 MP, DESTRUCE EXTRACT PREVAUE COME PLANE IN THE FORCE OF THE VALVE OPERATION DISTRICT, OFFICE OF PARCEASERS RESEARS, RESEAU, CALVES A DIPHT TO ALLOW A FERMAND GENERAL SETWERS THE VALVE COVER AND THE TOP OF THE VALVE OPERATION OF AT OPERATION DISTRICT DESTRUCES BUILD WILL BE PROVIDED (WHERE PETALGORS) OF THAT THE OPERATION DISTRICT RESEAU OWNER THAT IS NOT CHESSE BELLOW PREPARED GRADE.
- FOR NEW CONSTRUCTION. THE VAIVE BOX SHALL BE ADJUSTED TO MIDERING TO ALLOW FOR ENTIRES BOX LONGUISTIC, ROUTE LOCATE WARES THOUR AY CUT BY THE TOP OF THE E "PUT BIRET PIPE FOR LOCATE WARE ACCESS BY O VAIVE BOX. THE LOCATE WARES WITH A SET LODGE FOR WARE BOX. A WARE BUT A. WARE BUT A.
- BRASS IDENTIFICATION TAG BROKATING "VATER", VALVE SIZE, DIRECTION AND TURNS TO DEDL'E VALVE TYPE, PROVIDE A 1-HOLE N BRASS TAG AND ATTACH TAG ITWIST WARE AROUND TAG) TO THE DIG OF THE LOCATE WARE TAGS ARE NOT REQUIRED ON VALVES SISTALALED OF HIGH KYDRANT BROKHL LIVES.
- BILLELY OF PRECAST CONCRETE PAD, A 5" THICK X 24" (ROUND OR SQUARE) POURED CONCRETE PAD W72 #4 REBAR AROUND PERMETER, MAY 8E USED.
- 8. GRAVEL SHALL BE PROVIDED UNDER ALL VALVES 20" AND LARGER. THE MPINAMMVERTICAL LIMIT OF GRAVEL IS 12" UNDER THE VALVE UP TO † THE OVERALL HEIGHT OF THE VALVE.
- FOR VALVES 12 DICH AND SMALLER, PROVIDE A VIHITE OR BLACK FLASTIC DEBRIS SHIELD WHICH DISTALLS BELOW THE OPERATURO NUT. THIS SHIELD SHALL CENTER THE RIGER PIPE 80X OVER THE OPERATIVO NUT AND NOTWICE NEITLATION, SHIELD SHALL BE BY ACC, SOXION OR APPROVED EQUAL
- ALL VALVEG SMALL BE DISTALLED WITH AN ELECTRIC LOCATE MARKER, MARKER SHALL BE 4" DM, COLOR CODED BALL MARKER CNA-1403XR FOR WATER AND 1403XR FOR RECLANGED WATER).

WATER VALVE INSTALLATION DETAIL

JANUARY 2021 PLATE W-18

MECHANICAL JOINT SLEEVES

DAMETER MAIN - 2 TIE ROOS RECURED PER JOHT (JA* ROC)
DANNETER MAIN - 4 TIE ROOS RECURED PER JOHT (JA* ROC)
DANNETER MAIN - 6 TIE ROOS RECURED PER JOHT (JA* ROC)
DAMETER MAIN - 6 TIE ROOS RECURED PER JOHT (JA* ROC)
DAMETER MAIN - 18 TIE ROOS RECURED PER JOHT (JA* ROC)
DAMETER MAIN - 18 TIE ROOS RECURED PER JOHT (JA* ROC)
DAMETER MAIN - 16 TIE ROOS RECURED PER JOHT (JA* ROC)
DAMETER MAIN - 16 TIE ROOS RECURED PER JOHT (JA* ROC)
DAMETER MAIN - 18 TIE ROOS RECURED PER JOHT (JA* ROC)

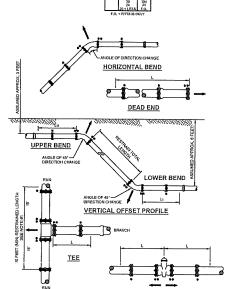
DEAD - END THRUST COLLAR ANCHOR

TO BE USED INSTEAD OF TOTAL RESTRAINED LENGTH (OPTIONAL) SIZE AS PER THRUST BLOCK DETAIL (VA.36), SEE DETAILS W-36 & W-37.

FIRE HYDRANT LATERAL

MECHANICAL RESTRAINT DETAILS - I

2. PAY ITEM *** DENOTES A RESTRAPIT WHICH IS INCLUDED IN THE UNIT PRICE BID FOR FITTING OR VALVE



VALVE NOTES. TOTAL LENGTH SETWEEN FIRST JOINTS OR RESTRAINED LENGTH ON EITHER SIDE OF TEE (RUH) SHALL SE A TOTAL DISTANCE OF 30 FEET (MN.).

2. PAY ITEM ** DENOTES A RESTRAINT WHICH IS PAID FOR ON A PER EACH BASIC

3. PAY ITEM "" DENOTES A RESTRANT WHICH IS DISCUSED IN THE UNIT PRICE BID FOR FITTING OR VALVE

PLATE W-31D

MECHANICAL RESTRAINT DETAILS - II

JANUARY 2021

THEE SEE NOTES

RUN BRANCH SIZE SIZE (PL) (PL) LIFT Er4 34 6 10 4 < LESS F.O. 20 125 16 76 12 14 0 < LESS F.D. 24 124 20 84 18 39 2 < LESS F.O.

DUCTILE MON PIPE RESTRAPIT NOTES:

This schedule shall be utrized on all water, sewer force map or reclamed water systems, all fittpios shall be restrained to lengths norcated on the above schedule, at a minimum,

ASSUMPTIONS DUCTILE IRON PIPE (WITHOUT POLY WAMP), SAFETY FACTOR* 1.5, TES PRESSURE**150°ES, SOLI-GIM OR SIL TRIBUCH TYPE 3, DEPTH OF COVER® >0 NUMBE FOR 70° ATO SOLILEE PIPE SILE ON 38 NICHES FOR 31° AND LARGER PIPE SILE. FOR DLP, WPOLY WAMP, USE RESTRAINT JON'T SCHEDULE FOR PVC PIPE.

JANUARY 2021

VERTICAL OFFSETS: ARE APPROX. 3 FEET COVER ON TOP AND APPROX. 4 FEET COVER ON TOP AND APPROX. 4 FEET COVER ON BOTTOM, PER THE DETAKS, LU IS THE RESTRANCO LONGTH FOR THE UPPER (TO LEVEL, U IS THE RESTRANCO LENGTH FOR THE LOWER (DEEPER) LEVEL, ASSUME 45 LEGGER FRANCE.

6. HOPE TO DJP, TRANSITIONS: THE DJP, MPE SIDE SHALL BE RESTRAINED 35 FT (MIN)

DUCTILE IRON PIPE RESTRAINT JOINT SCHEDULE

LENGTH (L) TO BE RESTRABLED 19 5 3 15 4 42 55 63 48 20 10 5 31 7 87 53 22 11 5 35 8 97 58 24 12 6 39 6 107 97 E3 27 13 6 42 10 118 53 27 13 7 49 12 116 30 75 31 15 8 59 14 141 35 88 35 17 8 86 17 163 24x18 51 24x16 64 42 95 40 19 10 78 10 163 48 117 43 21 11 84 21 203

PLATE W-31B

& Wicker

Connelly

SEWER DETAILS AND WATER /

REDUCER

THERETO STATES

GENERAL NOTE.

JANUARY 2021

NO. OF THE RODS REQUIRED

1. PAY ITEM *** DENOTES A RESTRAINT WHICH IS PAID FOR ON A REB EACH BACK

3. PROCESTES DIRECTION OF THRUST BORDS

TEMPORARY SAMPLE TAP UTILIZING A NEW 1" WATER SERVICE

NOTES:

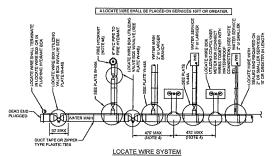
- 1. LOCATION OF SAMPLE POINT BIRS SHALL NOT BE WITHIN THE ROAD
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL TEMPORARY PIPMO & FITTINGS (AS NOTED AFTER BACTERIOLOGICAL GLEARANCE IS RECEIVED.
- THE CONTRACTOR SHALL UTRIZE THE ABOVE ALTERNATIVE METHODS FOR C SAMPLE POINTS IN ALL AREAS, WHERE POSSIBLE.

45" ELBOW & HIPPLES (1/2" MIN GALVANIZED) (TO BE REMOVED) LUG (TO BE REMOVED) 45° BEND (TO BE REMOVED TEMPORARY SAMPLE TAP UTILIZING PLUG AT FLUSHING LOCATION

1. LOCATION OF SAMPLE POINT BIRD SHALL NOT BE WITHIN THE ROAD WAY BUT ROUTED TO THE ROAD SHOULDERS.

- THE CONTRACTOR SHALL UTRIZE THE ABOVE ALTERNATIVE METHODS FOR CONSTRUCTION OF TEMPO SAMPLE PORTS OF ALL AREAS, WHERE POSSIBLE.

TEMPORARY SAMPLE TAP ALTERNATIVE METHOD A JANUARY 2021



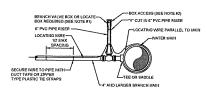
- LOCATRIO WRE TO BE PISTALLED IN EITHER THE ONE OR ELEVEN OCLOCK POSITION ON ALL DUCTRE IRON OR PVC (PRESSURE LAWIS), LOCATE WIRE SHALL ALSO BE INSTALLED ON ALL (HDPE) POLY MAIN PIPPIO (100 OR 11.00 POSITION), IF POSSIBLE).
- SECURE LOCATING WIRE TO PVC & DEP, WATER MAIN BY USE OF DUGT YAPE OR ZIPPER TYPE PLASTIC TIE STRAPS SPACED AT A
 MAXIMUM DISTANCE OF TEN (10) AND AT EACH SIDE OF BELL JOINT OR FITTING.

- 6. X' MOICATES THAT THE WIRES ARE CONNECTED TOGETHER WITH A V

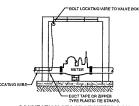
- 9. AN 33Y CUT SHALL BE CARVED IN THE CONCRETE CURB AND PAINTED AT ALL LOCATE WIRE BOXES.

LOCATE WIRE CONSTRUCTION FOR WATER MAINS JANUARY 2021 PLATE W-44

TEMPORARY SAMPLE TAP ALTERNATIVE METHOD B



BRANCH FORCE MAIN



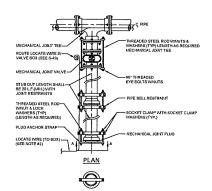
CONNECTION AT LARGE METER BOX

- 2. LOCATE WIRE SHALL ENTER THE VALVE BOX THROUGH A 'V' CUT IN THE 6" PVC RISER PIPE SECTION (SEE W-18)
- 3. LOCATE WIRE SHALL HAVE ENOUGH SLACK TO REACH & ABOVE FRIAL GRADE AND LOCATE POINTS.

LOCATE WIRE FOR BRANCH MAIN

JANUARY 2021

PLATE W-44A



SECTION "A-A"

- 2. LOCATING WIRE REQUIRED, UTILIZING A LOCATE WIRE BOX INSTALLED AT PLUG LOCATIO
- 3. NUMBER OF THE RODS REQUIRED IS AS FOLLOWS

3 9.	DIAMETER MAIN - 2 TIE ROOS REQUIRED PER JOINT (3/4° ROO)
10" - 12"	DIAMETER MAIN - 4 TIE ROOS REQUIRED PER JOINT (2/4" ROO)
14" - 16"	DIAMETER MANA - 6 TIE RODS REQUIRED PER JOINT (3/4" ROD)
16" - 20"	DIAMETER MAIN - 8 TIE RODS REQUIRED PER JOINT (3/4" KQD)
24*	DIAMETER MANI-12 TIE RODS REQUIRED PER JOINT (3/4" ROD)
30" - 36"	DIAMETER MARI-14 TIE RODS REQUIRED PER JORIT (1" ROD)
42" - 46"	DIAMETER MAZY-16 TIE RODS REQUIRED PER JOZYT (1 141 ROD)
54"	DIAMETER MANU-LATIF RODS RECHIRED PER MONTAL INCHOR-

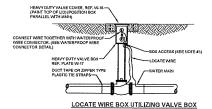
THE LOCATION OF THE DEAD END PLUG SHALL NOT BE UNDER PAVEMENT, IF POSSIBLE, THE STUB OUT SHALL
EXTEND BEYOND THE INTERSECTION AREAS OR ROAD CROSSING BY 10 FEET (WILL) WHERE POSSIBLE.

PLUGGED DEAD END USING MECHANICAL RESTRAINTS

JANUARY 2021

& Wicker

Connelly

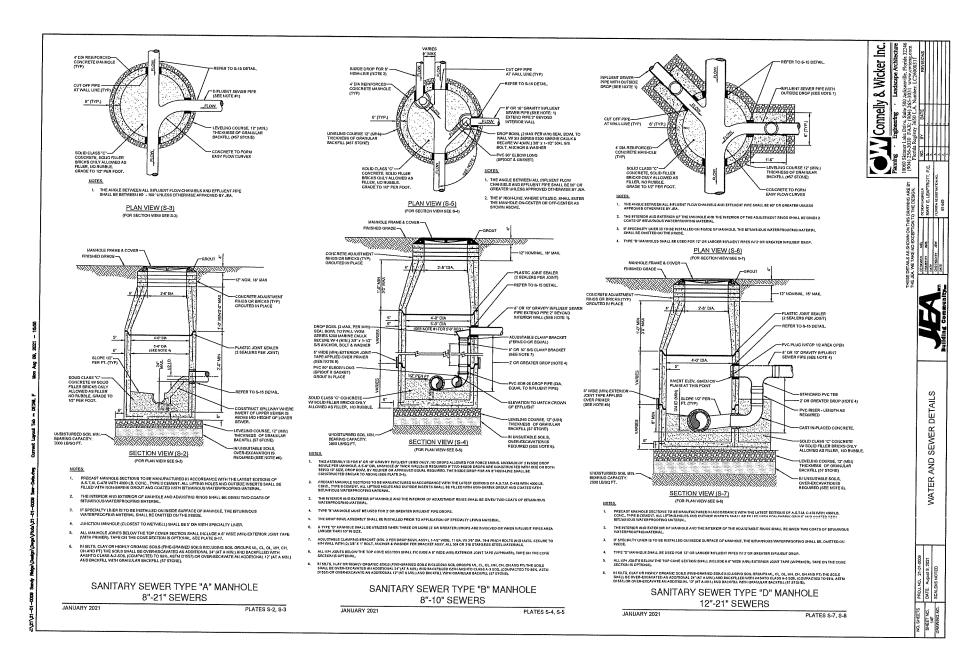


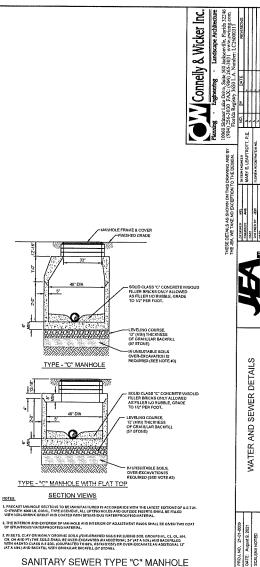
INSTALL CO-POLYMER METER BOX WITH-HEAVY-DUTY IRON LID (PARIT TOP OF LID (POSITION BOX PARALLEL WITH MAIN) OCATING WIRE (ROUTED IN PIPE) DUCT TAPE OR ZIPPER TYPE PLASTIC TIE STRAPS LOCATE WIRE BOX UTILIZING METER BOX

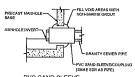
LOCATE WIRE BOX

JANUARY 2021 PLATE W-44B

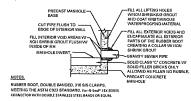
WATER AND SEWER DETAILS





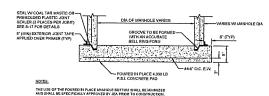


PVC SAND SLEEVE



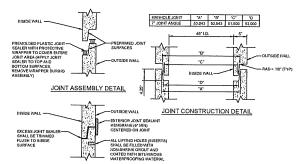
RUBBER BOOT

(FOR NEW MAY CONSTRUCTION ONLY, MAXIMUM DEPTH 15FT)



MANHOLE BOTTOM

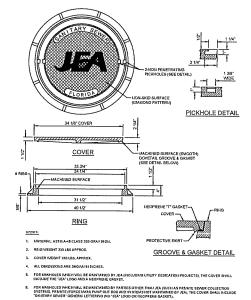
MANHOLE PIPE CONNECTION DETAIL JANUARY 2021 PLATE S-15



COMPLETED JOINT DETAIL

PRECAST SEWER MANHOLE JOINT DETAIL JANUARY 2021

PLATE S-17



SANITARY SEWER MANHOLE FRAME AND COVER JANUARY 2021

8"-21" SEWERS

JANUARY 2021

NOTES:

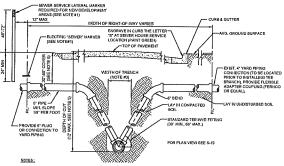
PLATE S-6

CASE "A" CROSSING

- 2. FOR OTHER LOCATION LIMITATIONS SEE DETAIL (\$-26 & \$-27).
- 3. LOCATING WHE REQUIRED: SEE DETAIL 5-49.
- THE COVER FOR PIPHIG LESS THAIL 21" SIZE SHALL BE 30" (WITH N UNPAYED AREAS, 34" (UNI) IN PAYED AREAS.
 COVER OF 80", UNLESS PREAPPROVED BY JAL. THE COVER FOR PIPHO 24" SIZE AND LARGER SHALL BE 30" (WI
 UNPAYED AREAS AND ANXIOMA COVER OF 4", UNLESS PRPHOYED BY JRA.
- THE SOILS BETWEEN THE MAIN AND THE CONFLICT PIPE SHALL BE COMPACTED TO 98'N OF THE MAXRUM DENSITY AS DIE BY THE LABORATORY MODIFIED PROCYOR TEST ASTM 0 1557.

ADJUSTMENT OVER EXISTING UTILITIES MECHANICAL RESTRAINTS

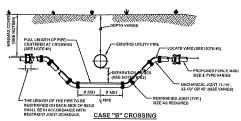
JANUARY 2021 PLATE S-39



- 1. TO JAIR THE CHATROLD THEF THUS FOR HIM SERVICE FOR PROJECTS WHERE HIS CONCERT CURE ASSESSMENT AND EXCENSIVE SERVICES FOR CHARGE IS REQUESTED AND ALL LATERAS WHERE HE SERVICES FOR INFORMETION FROM THE AREA WHERE HE SERVICE HAVE ALL THE ALL THE
- 3. SEE MEASUREMENT AND PAYMENT SECTION FOR MAXIMUM PAYMENT WIDTHS.
- ALL GRAVITY SEVER MAINS AND ASSOCIATED SEVER LATERAL PIPE AND FITTINGS (INCLUDING THE TEE-W/E FITTING) SHALL BE PVC SOR-26.
- SEVER SERVICE LATERALS ASSOCIATED WITH GRAVITY SEVER MANS WHICH ARE DERPER THAN 12 FEET, MUST BE ROUTED TO A
 GRAVITY SEVER HIGH-LINE, A MANHOLE OR OTHER JEA APPROVED METHOD.

HOUSE LATERAL - SECTION VIEW

JANUARY 2021 PLATE S-20

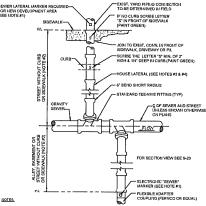


HOTES.

- If existing conflict pipe is a vayer or reclamed water man, 12-niches of separation is required a full length of pipe shall be centered over existing utility man to provide maximum joint spacing for all crossings.
- 2. FOR OTHER LOCATION LIMITATIONS SEE DETAIL (5-26 & S-27).
- THE COVER FOR PIPMIOLESS THAN 24' SIZE SHALL BE 30' (MR) IN IMPRAVED AREAS, 30' (MR) IN PAVED AREAS AND A MATRAMA COVER OF MY, UNILES YER-APPROVED BY 10'. THE COVER FOR PIPMO 24' LIEE AND LIKKOER SHALL BE 30' (MR) IN PAVED AND UNIPMORE AREAS AND A MATRAMACH COVER OF MY. CHARGE APPROVED BY 7'LE.
- THE SOLIS BETWEEN THE MANIAND THE CONFLICT FIFE SHALL BE COMPACTED TO 86% OF THE MAXIMUM DENSITY AS DETERMINED BY THE LABORATORY MODIFIED PROCTOR TEST ASTMO 1657.

ADJUSTMENT UNDER EXISTING UTILITIES MECHANICAL RESTRAINTS

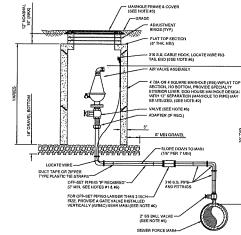
JANUARY 2021 PLATE S-41



- ELECTRONIC "SEVAR" MARKER IS REQUIRED FOR ALL LATERALS WHICH AREHOT TO USE. TOR REVO DEVELOR ARREN WHIRER INTERCENCEN LIFERAL IS TOFF IN USE", A LANDSCAPE TRABER OR 32 MUNE, T. P. DOST FOR PANTE SHALL BE PISTALLED, WHERE REQUIRED BY JEA OR NO CONGRETE CURB EXIST, AN ELECTRONIC "SEWER" MAR BE DISTALLED OWARKER SHALL ASO SE HISTALLED.
- THE MINIOUM RIZE OF ALL HOUSE LATERALS SHALL BE 8 BICHES, THE MAXIMUM LENGTH OF A HOUSE LATERAL SHALL BE 60 FEET (LENGTH BETWEEN SEVER MAIN OR MAINFULE TO CUSTOMERS PROPERTY LINE).
- ALL CRAVITY SEWER MANS AND ASSOCIATED SEWER LATERAL PIPE AND FITTINGS (INCLIDENG THE TEE-MYE FITTING, SHALL BE PIC SOR 26.

HOUSE LATERAL - PLAN VIEW

JANUARY 2021 PLATE S-19



HOTES:

- THE CONCRETE MAINDLE SHALL INCLUDE A FOLYURETHANE SPECIALTY LIVER (PER SPEC SECTION 448) TO BE INSTALLED ON THE HITERIOR SURFACES INCLUDING THE RISER DECTION TOP AND THE ADJUSTMENT RYIOS, A ETILMINOUS VIATERPROOFFIG MATERIAL SHALL BE PROVIDED ON THE OUTSIDE SURFACES OF THE MAINDLE.

- 5. FOR A 2" AIR VALVE, PROVIDE 2" STAFILESS STEEL BALL VALVE AT THE MAIN, FOR AIR VALVES LARGER THAIL? SUE, PROVIDE A TAPPING SLEEVE OR BUILTIE BYON TEE STITUS, ALSO, FOR OFF-SET PIPPIN LARGER THAIL? INCH SIZE, PROVIDE A GATE VALVE (HISTALLED VERTICALLY HEAR MAYA), SEE SPECIFICATIONS FOR ADDITIONAL REQUIPPLUFFICE.
- & LOCATE WIRE SHALL HAVE BIOLIGH SLACK TO REACH 4' ABOVE FINAL GRADE.

AIR VALVE ASSEMBLY INSIDE MANHOLE

JANUARY 2021 PLATE S-29

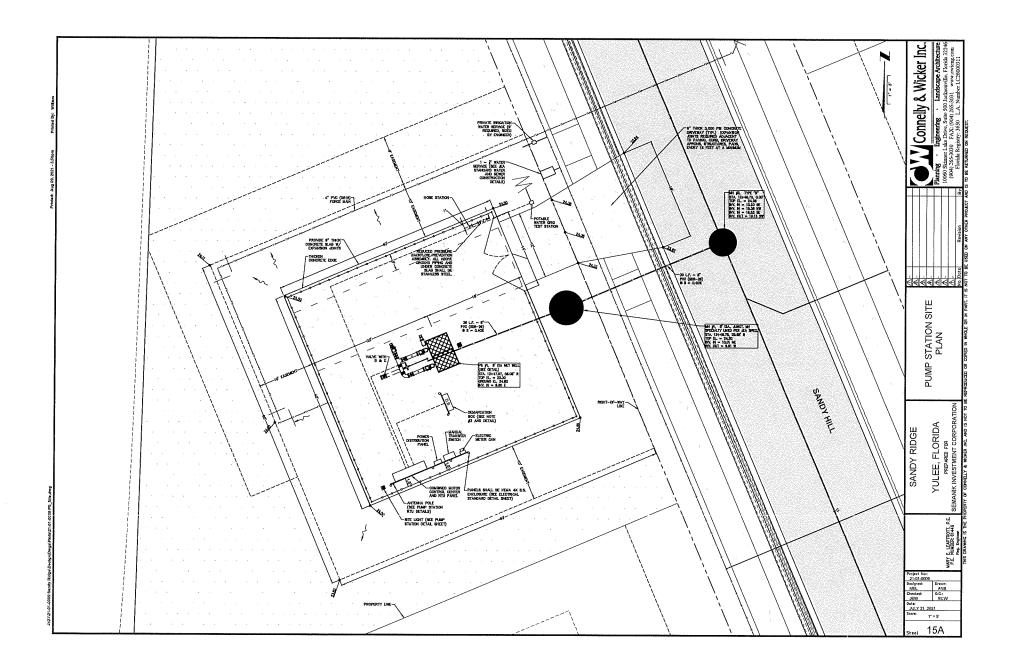
Connelly & Wicker

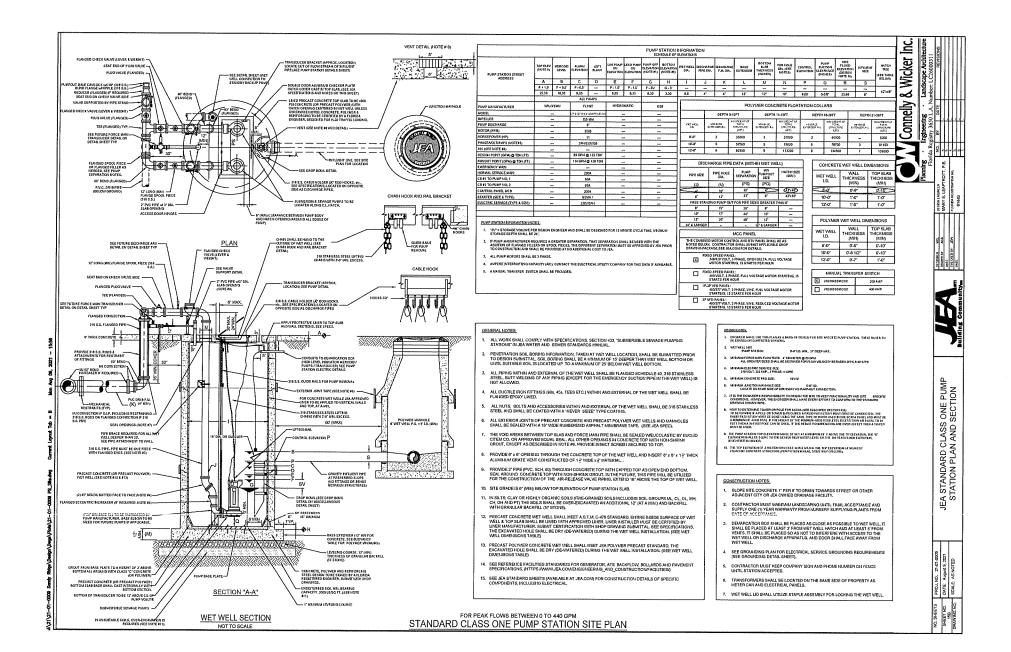
DETAILS

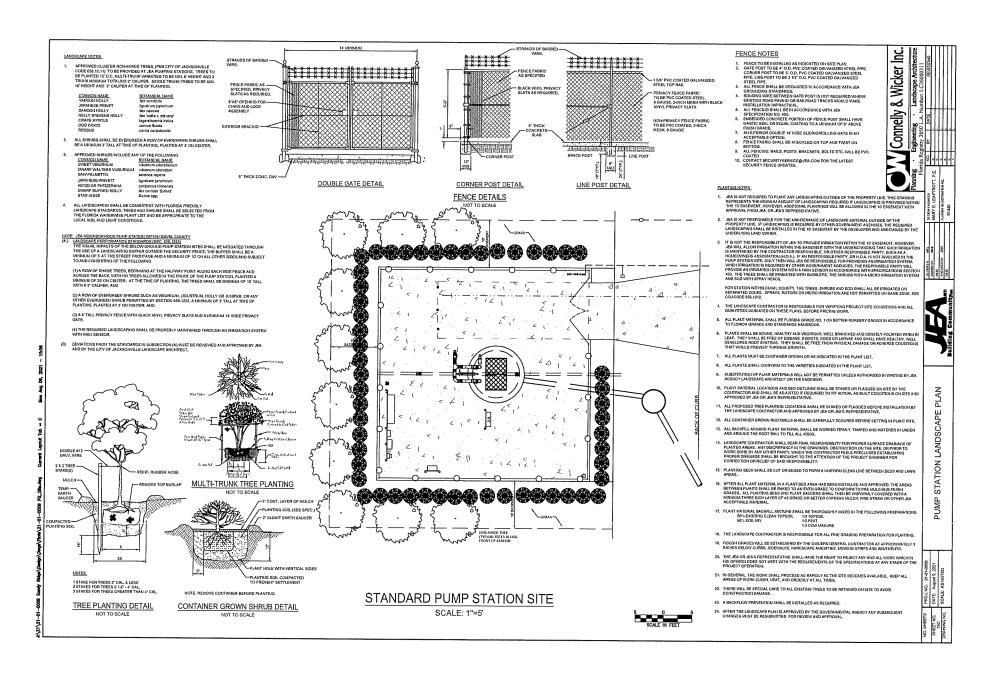
SEWER

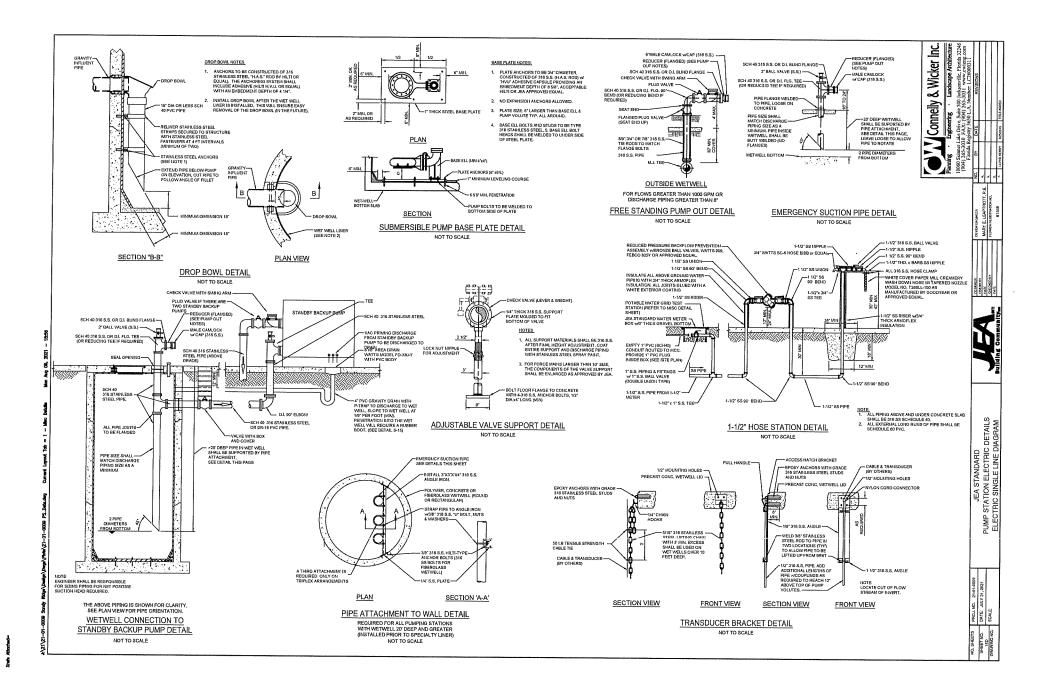
AND

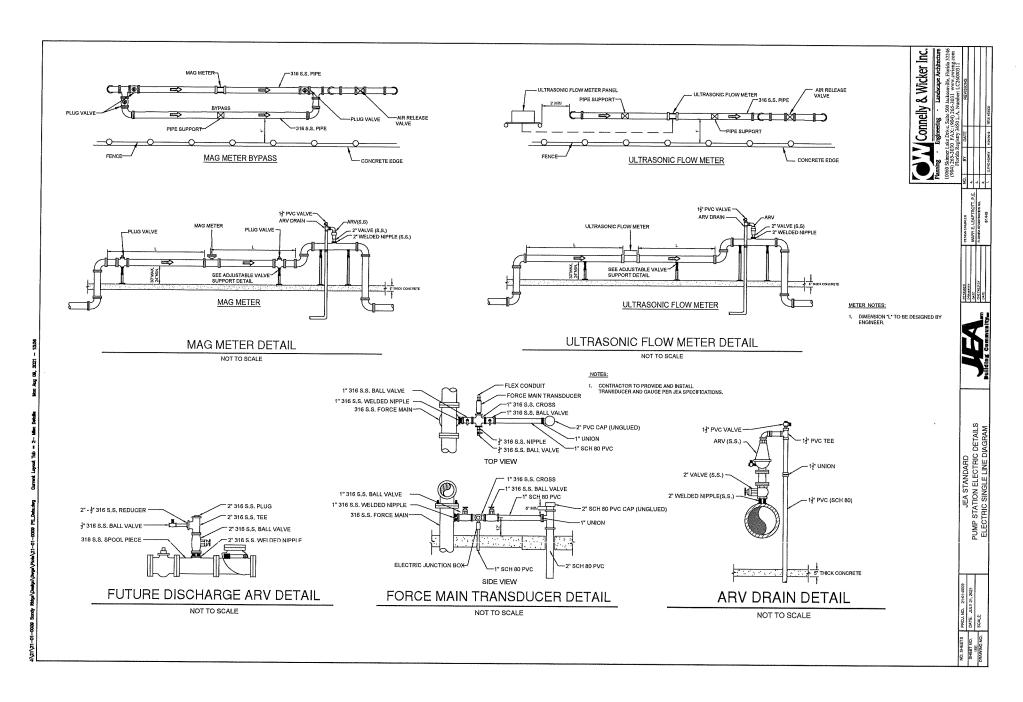
WATER /



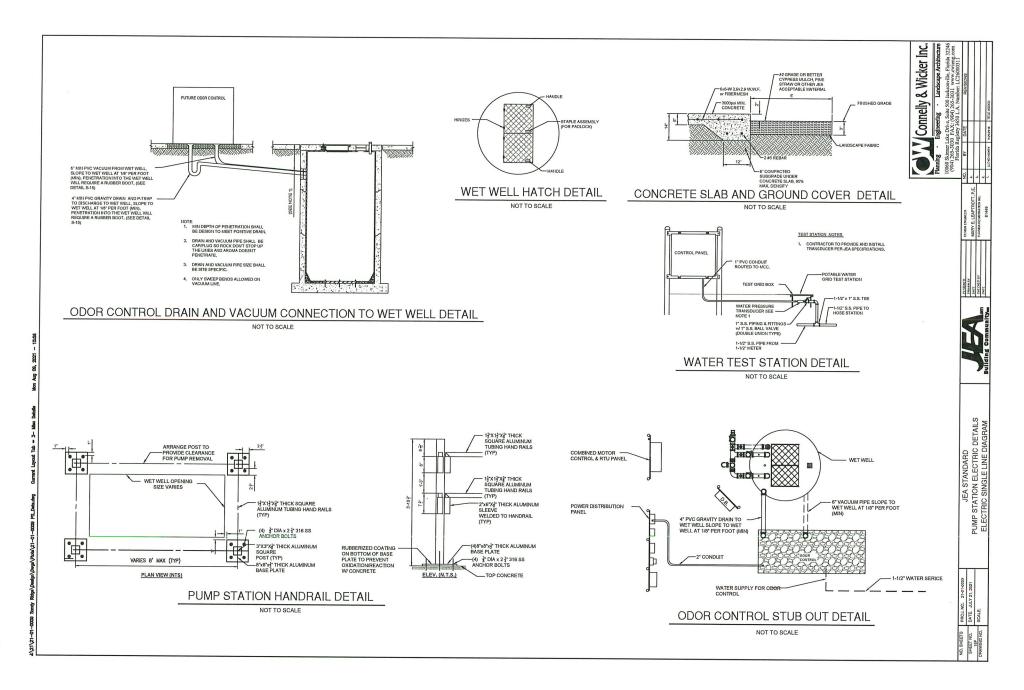




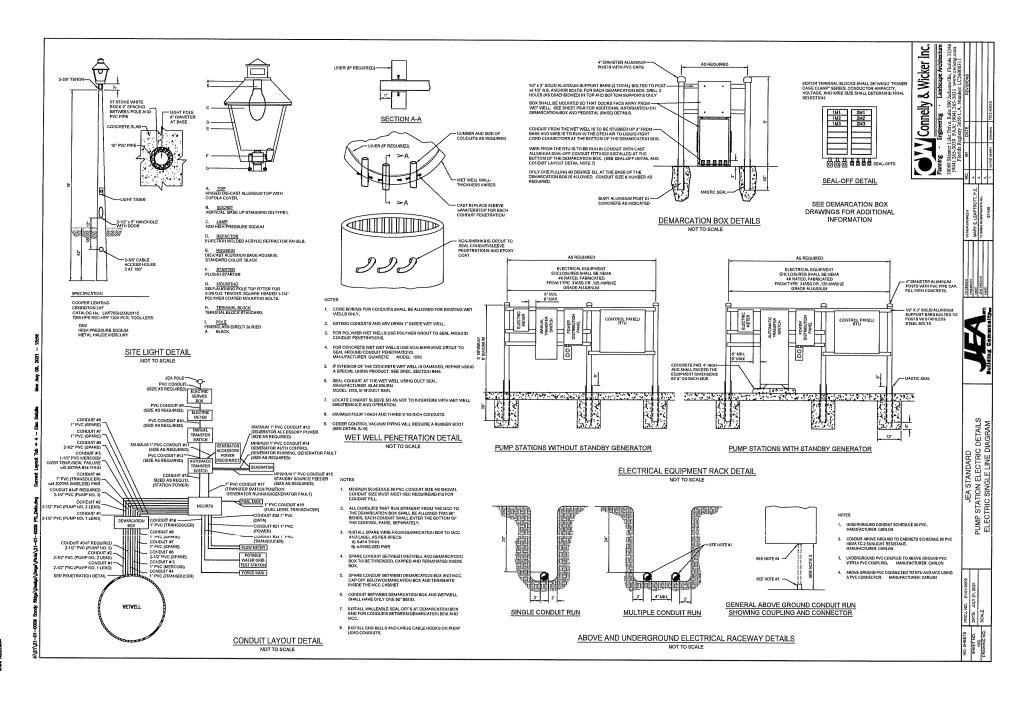


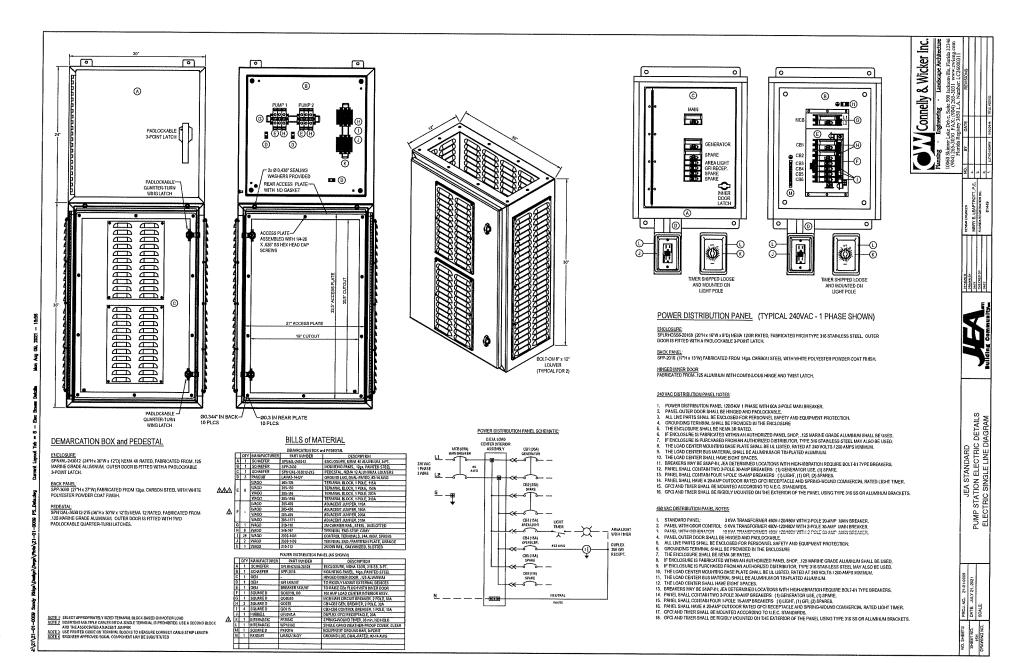


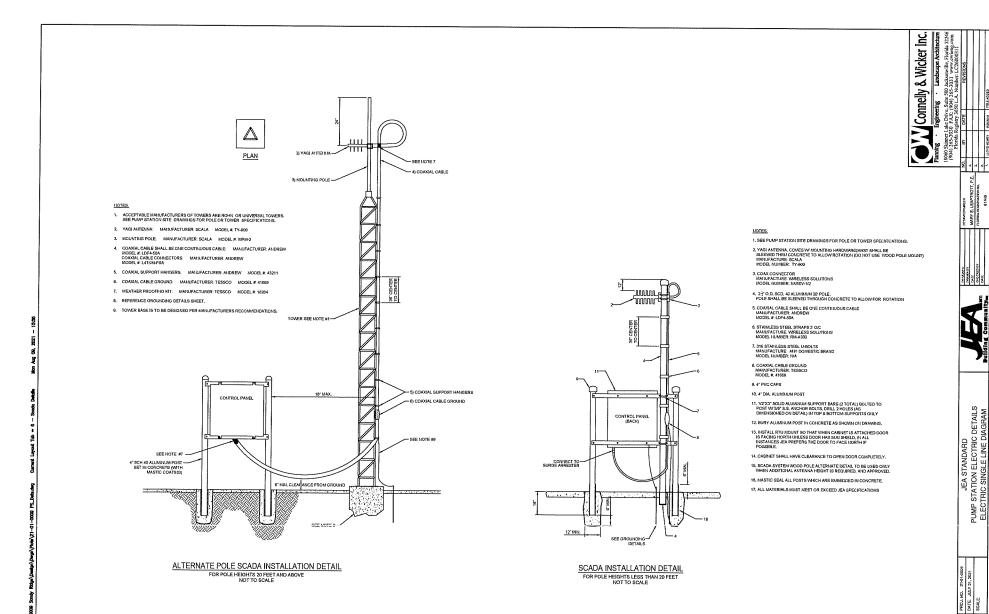
Xrefs Attached-



Krefs Attoched-







A STATE OF

ALL CONDUITS TO BE SCHEDULE 40 PVC WITH CHAMPERED EDGES REQUIRED, CONDUIT SIZE AND NUMBER DOES NOT HAVE TO MATCH CUSTOMERS' SERVICE CONDUIT SIZE, TYPE, AND NUMBER.

SERVICE BOX SIZE

13" x 24" x 18" d

17" x 30" x 18" d

24" x 36" x 18" d

30" x 48" x 24" d manhole

36" x 60" x 36" d manhole

AT IGNUS PECENTATIONS
SETTLICE BOX
SETTLICE

ALL COMPANY MARINES TO BE 24 NEW MERITAGES.
 JEANMELA LOVINTEROPTION OF PERCHASING THESE BOXES FROM AN ELECTRICAL SUPPLY HOUSE, THESE BOXES MUST WEET THE FOLLOWING SPECIFICATIONS.
 SERVICE BOX 25E MAY VARY FOR 3 PHASE APPLICATIONS.
 CONTROL SERVICE BIXINGER FOR CONDUT AND BOX LOCATION.

MANHOLE

TECHNICAL SPECIFICATIONS

TABLE 4A CONDUIT AND SERVICE BOX REQUIREMENTS FOR UNDERGROUND COMMERCIAL SERVICES FROM AN OVERHEAD POLE

CONDUIT SIZE

1.3 In

1-3 in

400A=1-4 in 401-800A=2-4 in

601-1000A=2-4 in

(From Service Box to JEA Overhead Poli-

MANHOLE BODY SHALL BE OF ONE PIECE CONSTRUCTION WITH A SOLID COVER.

2. MANHOLE DIMENSIONS SHALL BE 60" L X 36" W X 36"D.

2. ALL CONDUIT RADIUS TO BE 24 INCH MINIMUM.

1. LOAD RATING: H-10 (INCIDENTAL TRAFFIC).

SERVICE SIZE

20A - 150A 151A -200A

400A-800A

601A-1400A

LOAD RATINGS SHALL BE IN ACCORDANCE WITH ASTM, C-657-87 (STD, PRACTICE FOR MINIMUM STRUCTURAL DESIGN LOADING FOR US PRECAST CONCRETE UTILITY STRUCTURES) AASHTO AND WESTERN UNDERGROUND COMMITTEE RECOMMENDED GUIDELINES RULE 3.0 DATED 6-15-87.

HARDWARE: TWO CAPTIVE STAIRLESS PENTA HEAD BOLTS FOR SECURING TOP, BOLT HEADS WILL BE FLUSH
WITH TOP OF COVER.
 IDDITIFICATION: EACH TOP WILL HAVE THE WORD "ELECTRIC" PERMANENTLY MARKED INTO THE TOP,

ELECTRICAL NOTES

- GROUND WIRE SHALL RUN FROM THE CHASSIS CONTINUOUS THROUGH THE METER CAN TO 2 GROUND RODS SPACED 6 FEET APART AND TERMINATE ON A FENCE POST IN CONCRETE.
- ELECTRICAL ENCLOSURES SHALL BE ORIENTED SUCH THAT THE FRONT OF THE ENCLOSURE FACES THE INTERIOR OF THE PUMP STATION SITE.
- OUAHITTY AND SIZE OF NEMA 4c 316-STAINLESS STEEL ENCLOSURES AS REQUIRED FOR STATION OPERATION.
- SERVICE DISCONNECT SHALL BE MANUAL FUSE 3 PHASE-4 WIRE

COMMERCIAL SERVICE ABOVE 100 AMPS AND MULTI-METERED UNDERGROUND SERVICE FROM AN OVERHEAD POLE

1. THE MINIMUM DISTANCE BETWEEN THE SERVICE BOX AND SERVICE POLE IS 4 FEET,

THE JEA VALU MAINTAIN THE POLE RISER AND CONDUCTOR FROM THE OVERHEAD FACILITIES TO A CUSTOMER-PROVIDED SERVICE BOX.

THE JEA WILL MAKE ALL CONNECTIONS TO THE CUSTOMER'S SERVICE WIRE IN THE SERVICE BOX. SAID CONNECTIONS WILL BE THE CUSTOMER'S POINT OF SERVICE.

2. THE CLISTOMER MUST PICK A CLEAR ROLE OF THE JEA POLE FOR THE JEA TO EXTEND UP THE FOLE RISER, CLEAR FROM PHONE OR COMMINICATION CABLES OR AN OTHER EQUIPMENT, FROM FIRISHED MARKE TO CUNINESTICISES TO OVERHEAD FACILITIES. CALL JEA DISTRIBUTION ENGINEER IF LOCATION IS REQUIRED.

JEA POLE

JEA FOLE-

NOTES:

SCH, 40 PVC CONDUITS WITH— CHAMFERED EDGE REQUIRED & 90 DEGREE ELBOWS, SUPPLIED & INSTALLED BY CUSTOMER'S ELECTRICIAN. 'SEE TABLE 4A FOR SIZE & NUMBER,

SERVICE BOX INSTALLED ON CUSTOMER/PRIVATE PROPERTY BY ELECTRICIAN, * SEE TABLE 4A FOR SPECS,

BOX TO SET FLUSH WITH FINISHED GRADE.

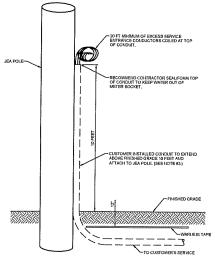
-CUSTOMER'S SERVICE

PLAN VIEW

- CONDUIT TO EXTEND ABOVE GROUND AND BE IN DIRECT CONTACT WITH JEA POLE, END TO BE PLUGGED.

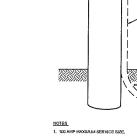
PROFILE VIEW

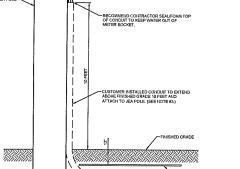
-APPROX. 4" ABOVE FINISHED GRADE,



- 2. THE CUSTOMER WILL MAINTAIN THE WARNING TAPE, CONDUIT AND CONDUCTORS SHOWN,
- 4. THE JEA WILL MAKE ALL CONNECTIONS TO CUSTOMER'S SERVICE WIRE ON THE JEA POLE.
- THE JEA WILL INSTALL CABLE GUARD ON JEA POLE AND COVER CUSTOMER'S SERVICE WARE AND CONDUIT TO FINISHED GRADE,

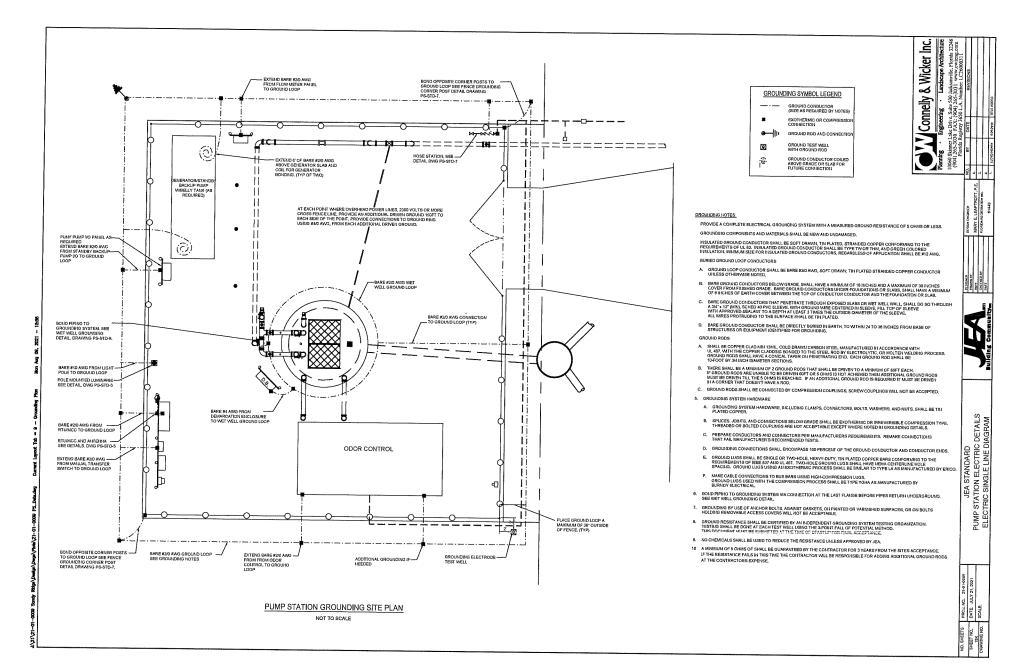
100AMP MAXIMUM UNDERGROUND SERVICE FROM AN OVERHEAD POLE



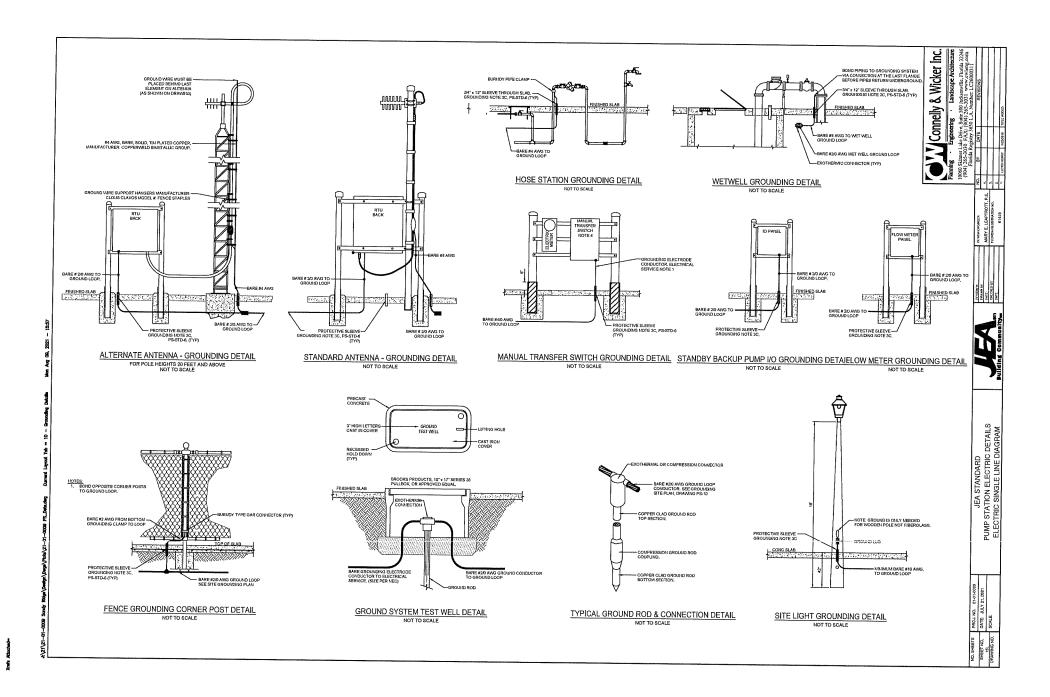


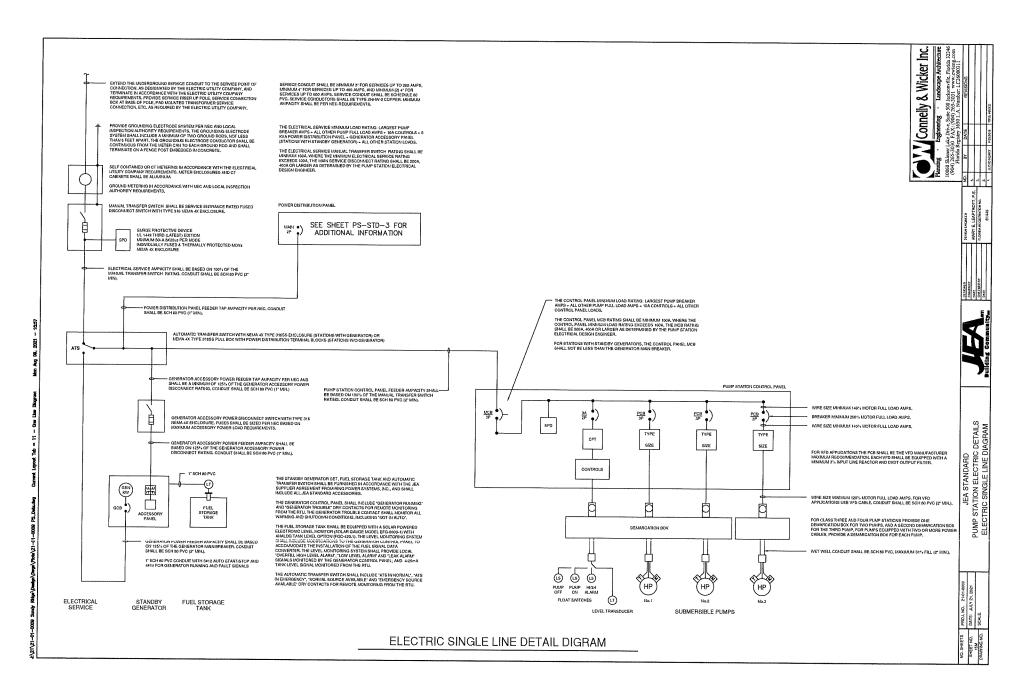
- THE CUSTOMER MUST FICK A CLEAR SIDE OF THE YEA FOLE TO EXTEND UP CONDUIT, CLEAR FROM PHONE OR COMMUNICATION CABLES, OR AIM OTHER EQUIPMENT, FROM FINISHED GRADE TO JEA FORM OF SERVICE, CALL JEA DESTRIBUTION FISHINEER IF LOCATION IS REQUIRED.

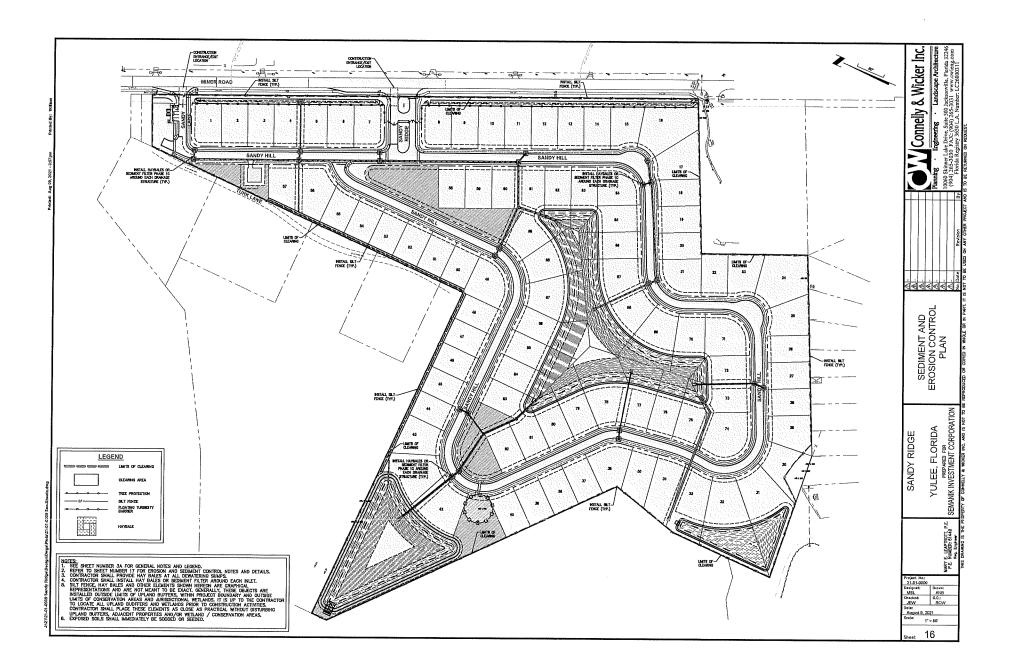
COMMERCIAL SERVICE NOT TO SCALE



Xrafa Attachade







CONTRACTOR SHALL INSURE THAT ALL DRAWAGE STRUCTURES, PIPES, ET ARE CLEANED OUT AND WORKING PROPERLY AT TIME OF ACCEPTANCE.

5. WIRE MENT SHALL BE LAD OVER THE DOPP NLET SO THAT THE WIRE SATISDO'S A SHANUM OF I FOOT BETWOOD EACH SOC OF THE INLET STRUCTURE HARDWAYE COUNT OR COMPANIES WERE MENT AND PLANTING TO THE THAT THE STRUCTURE SHALL BE USED. IF MORE THAN ONE STRIP OF MESH IS RETURNED SHALL BE USED. F. MORE THAN ONE STRIP OF MESH IS RETURNED SHALL BE OFFICE APPLIANCE.

BALES SHALL BE DITHER WITE-BOUND OR STRING-TED WITH THE BINDINGS ORIENTED AROUND THE BIDES RATHER THAN OVER AND UNDER THE BALES.

9. BALES SHALL BE PLACED LENGTHWISE IN A SINGLE ROW SURROUNDING THE INLET, WITH THE ENDS OF ADJACENT BALES PRESSED TOOETHER.

11. EACH BALE SHALL BE SECURELY ANCHORED AND HELD IN PLACE BY AT LEAST TWO STAKES ON RESARS DRIVEN THROUGH THE BALE.

12. LOOSE CORT SHOULD BE WEDGED BETWEEN BALLS TO PREVENT WATEN FROM ENTERING BETWEEN BALES.

13. DOIR BILLE BARRIERS SHALL BE INSPECTED THREDIATELY AFTER EACH RAINFALL AND AT LEAST DALY DURING PROLONGED RAINFALL.

14. CLOSE ATTENTION SHALL BE GIVEN TO THE REPAIR OF DAMAGED BALES, END RUNS AND INDERCUTTING BENEATH BALES.

IS. NECESSARY REPARTS TO SARRERS OR REPLACEMENT OF BALES SHALL BE ACCOMPLISHED PROMPTLY.

18. SET FENCES AND FETER BARGERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DIALY DURING PROLINGED RAINFALL, ANY RECURRED REPAIRS MALL BE MADE SAMEDATELY.

27. DEWATERING PUMPS SHALL NOT EXCEED THE CAPACITY OF THAT WHICH REDURES A CONSUMPTIVE USE PERMIT FROM THE ST. JOHNS RIVER WATER MANAGEMENT TESTINGT

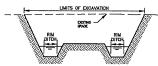
28. ALL DISTURBED AREAS SHALL BE GRASSED, FERTEZZED AND MALCHED UNIT. A PERIAMENT YIDETATIVE COMEN IS ESTABLISHED, CONTRACTOR BUILL USE ADDITIONAL WASARES 19 OF ATRIBUTZ DISTURBED AND STRUCTOR COMPACTION, SE SOCIEDAE, CORR BALES, AND GRASSINE, ALL FILL SLOPES 3-1 OR STEEPPER TO REIZINE STANDS SOLUD SOU.

A DIRECT FOR DESIGNATION WHILE ROUGH TO COMMING.

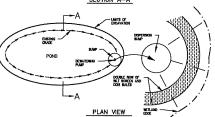
3. THE CONTINUENTS SHALL BE RESPONDED FOR EXTRACT DOCUMENTS AND

STAND OF SIGN AND/AND GROUSS PER THE CONTINUENT DOCUMENTS AND

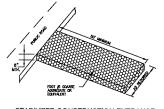
FOR SHALL STANDARD SHALL S



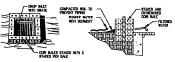
SECTION A-A



TEMPORARY DEWATERING DETAIL



STABILIZED CONSTRUCTION ENTRANCE



SPECIFIC APPLICATION

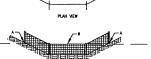
THIS METHOD OF INLET PROTECTION IS APPLICABLE METER THE INLET DRAINS A ROLATIVELY FLAT AREA (SLOPES NO GREATER THAN 8 PERCONT) MEETS SEET OR OFFENAND FLOWS (NOT DESCEDING AS 64) ARE TYPOLL THE METHOD SHALL NOT APPLY TO INLETS RECOUNING CONCENTRATED FLOWS, SUCH AS INSTRUCT OF HOMBIAN MEDIALS.

COIR BALE DROP INLET SEDIMENT FILTER



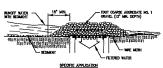
POINTS A SHOULD BE HIGHER THAN POINT B

PROPER PLACEMENT OF COIR BALE IN A DRAINAGE WAY



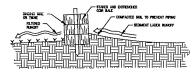
SECTION VIEW POINTS A BHOULD BE HICKER THAN POINT B

PROPER PLACEMENT OF A FILTER BARRIER IN DRAINAGE WAY



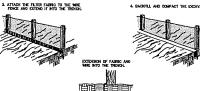
THIS METHOD OF HILET PROTECTION IS APPLICABLE WHERE HEAVY DONCENTRATED FLOWS
ARE DEPECTED, BUT HOT THERE PONDING AROUND THE STRUCTURE WORTH CAUSE EXCESSIVE
MODIFYPHENE OR QUARKE TO ADJUSTED STRUCTURES AND UNPROTECTED AREA.

GRAVEL AND WIRE MESH DROP INLET SEDIMENT FILTER



CROSS-SECTION OF A PROPERLY INSTALLED COIR BALE





CONSTRUCTION OF SILT FENCE





4. BACKFILL AND DOMPACT THE EXCAVATED SOIL

2. PLACE AND STAKE COR BALES,



CONSTRUCTION OF A COIR BALE BARRIER



A STAPLE FILTER WATERIAL TO STAKES AND EXTEND IT INTO THE TRENCH.



4. BACKTILL AND COMPACT THE EXCAVATED SOIL



CONSTRUCTION OF A FILTER BARRIER N.T.S.

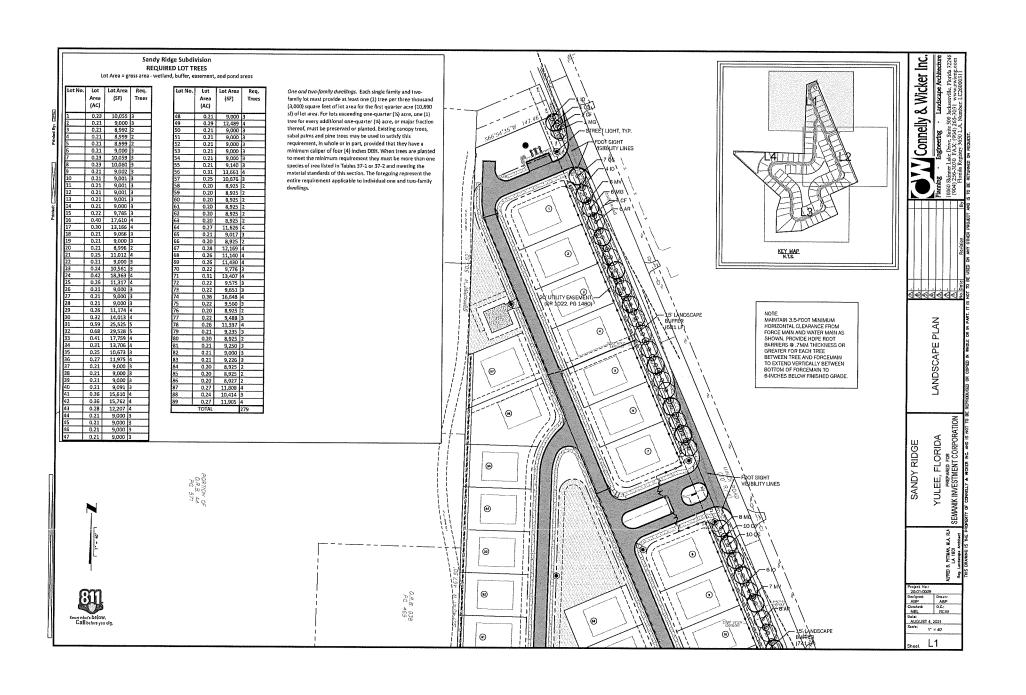
SEDIMENT AND EROSION CONTROL DETAILS

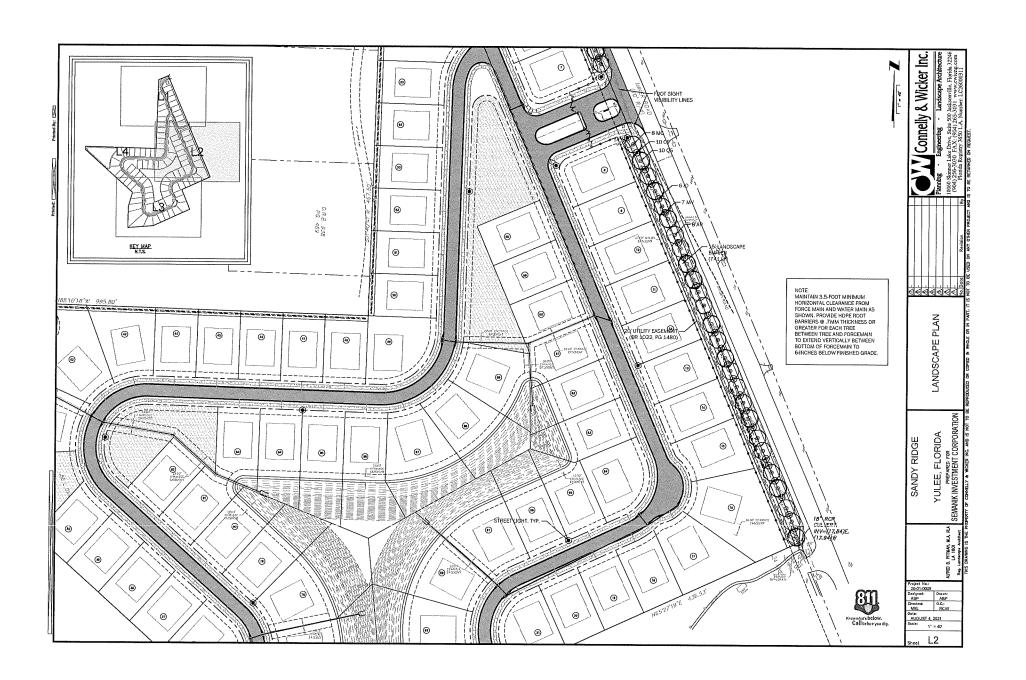
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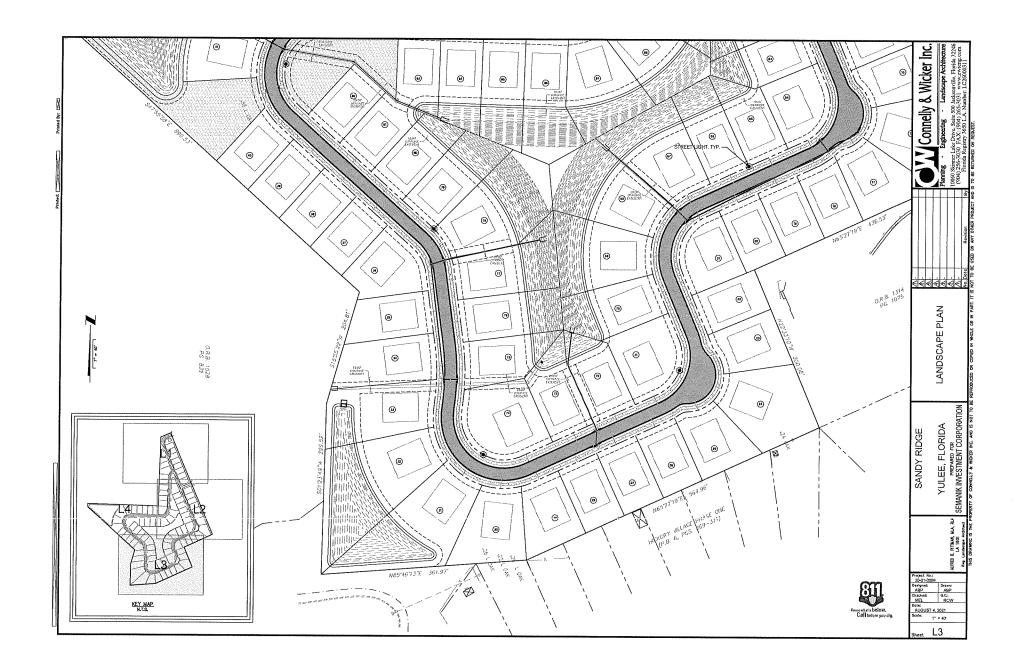
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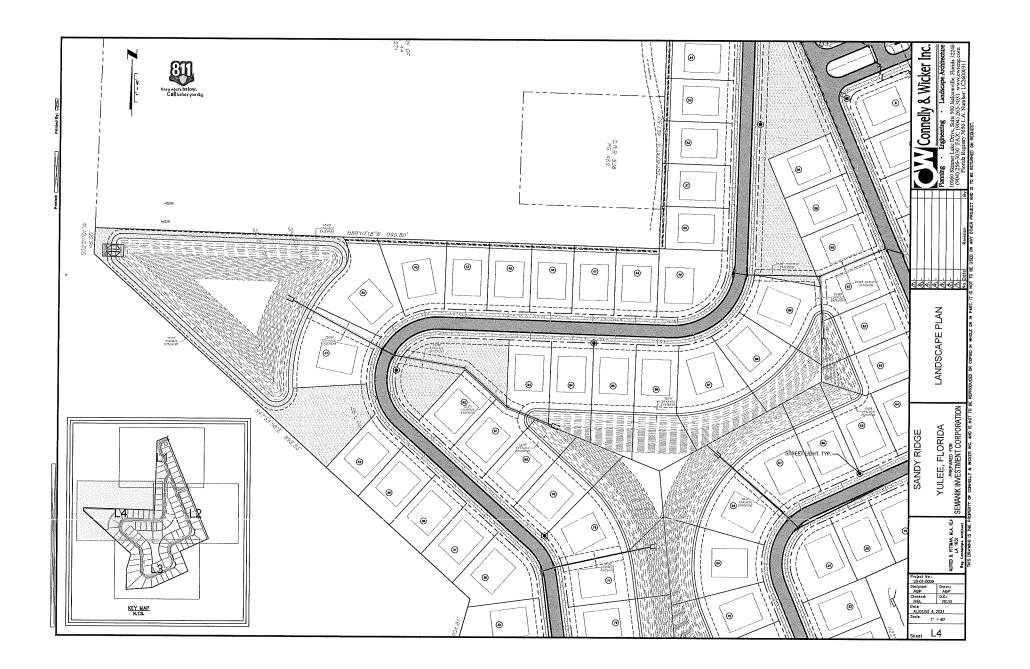
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Project No.: 21-01-0009	
Designed: MEL	Drawn: ANB
Checked: JEVV	O.C.: RCW
Date: August 9, 20	21
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17







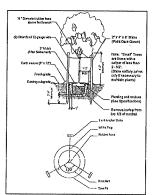


### LANDSCAPE SPECIFICATIONS

### GENERAL INSTALLATION INSTRUCTIONS

- 1. Contractor shall furnish all labor, materials, and insurance to complete the work as
- 2. Contractor is responsible for acquiring all required permits and associated fees to
- Contractor shall locate and visibly mark all buried utilities prior to construction and notify the landscape architect of any conflicts.
  - 4. Contractor shall demolish and remove from the premises all pavement, sod and other materials required to implement the plan
  - 5. All work shall be completed in a timely manner and in accordance with standard
  - 6. Contractor shall coordinate a work plan with the owner or agent and the landscape architect prior to starting work and shall comply with all state and federal requirements for work safety.
  - Contractor shall coordinate an approved staging area with the owner prior to starting the work and shall maintain a clean and orderly site throughout the construction period and shall properly dispose of sit trash and removed materials.
  - Contractor shall proceed with approved work in an orderly and timely fashion.
  - 9. Contractor shall prevent offsite erosion, both by wind and rain, during construction using adequate means such as silt fencing, hay bales, and drain socks.
    10. Contractor shall provide all new materials in first quality condition.

  - 11. Substitutions shall be rejected unless approved by the landscape architect prior to
- Contractor shall repair and/or replace at contractor's cost and in an excedient manner any utilities, pipes, concluit, cables, fences, pavement, plant material, or any other existing property within or abutting the project site damaged by contractor during the course of the project.
- 13. Contractor shall notify the owner and landscape architect at least one week in advance for a substantial completion inspection. The landscape architect shall provide a purch last to the contractor outlining items to be completed by the contractor. Contractor shall complete purch list items in timely manner before calling for a final inspection by the owner and the landscape architect,
- Final payment for the work shall not be issued until a final inspection is completed and approved by the landscape architect and/or the owner.
- 15. All work shall be warranted against defects and failure for at least 1 year following the
- 16. Contractor shall clean site of all construction debris, materials, and trash. Disturbed areas shall be fine-graded and landscaped according to the plans, or sodded with variety specified in 17.1. Site must be clean and neat before a final acceptance and payment will be issued.



NASSAU COUNTY TREE PLANTING DETAIL

#### PLANT INSTALLATION

- Install plants according to Florida Department of Transportation Index Number 544
   Landscape Installation (http://www.idot.gov/). However, stake trees according to
   the detail provided in Nassau County ordinance section 37,058.
- Do not install groundcovers or shrubs on top of or into the rootball of new trees.
- Contractor shall verify and determine all final quantities based on the plans prior to bidding and pricing. In the occurrence of a discrepancy between the plans and the plant list, the plans shall take procedence.
- All plants shall conform to the specifications on the plant list or plant schedule. 5. All plants shall be florida no. 1 grade or better according to the florida grades and
- 6. All plants shall be nursery-grown containerized or b&b stock.
- All plants shall be nizzy-grown containentized or bibb stock.

  All plants shall be nizzy-grown containentized or bibb stock.

  All plants shall be niz good health, vagorous, evenly benached, and thickly foliated when in feaf. All plants shall be free of disease, insects, including eggs and lanvae, as when a hear a shall be dealth of the shall be all the the
- the contractor and shall be adjusted as required to fit actual as-built conditions or site and approved by the owner or owner's representative prior to installation.
- the desired and the second of the second of

- 18W mareas.

  18 Menoive all synthetic material and remove burlap and wire basket material from top 6° of root ball prior to backfilling.

  12. Shade trees shall be planted a minimum of 4 feet from any edge of pavement and 15 feet from overhead efecture as measured from the adgrade centerline (refer to local provider to verify specific requirements).
- provider to verify specific requirements).

  3. All plant material shall be warranted for a period of one year from the date of final acceptance of the work and not the date on which it was installed.

  44. Contractor shall provide all fine surface grading preparation for planting and shall
- maintain all finished grade requirements according to the plans, and ensure positive drainage. Report any drainage problems associated with finished grade or finished soil characteristics to the owner and the landscape architect.
- 15. Coordinate construction of planting areas with installation of irrigation system or hose bibs as specified.
- bits as specified.

  16. Contractor shall provide mulch for all newly installed landscape areas, Provide a minimum 5' diameter mulch ring for all installed trees. Provide uniform coverage for all landscape beds at the specified depth. Keep mulch at least 6' from all woody treets and tensor. all landscape beds at the specimen copul bunks and stems. 16.1. Mulch shall be pine bark fines.
- 16.2. Mulch shall be 4* uniform depth.
- Install sod or seed, as specified in the plans, according to the florida department of transportation standard specification section 670 performance turf (http://www.dos.fated...bu) unless otherwise stated herein.
- Contractor shall provide certified, healthy sod, free of weeds, disease, fungus, insects, or nemalodes. 18.1. Sod shall be:
- 19.1.1. Agenthie bahla
  19. Contractor shall provide plant maintenance during the construction period through final acceptance and the owner shall provide maintenance during the warranty period following final acceptance, unless otherwise specified in the contract documen
- 20. Contractor shall remove all above-ground guying material at the end of the

# TREE GENUS/SPECIES DISTRIBUTION (50% max genus, 25% max species)

Qty Tree Genus

19	Cornus	21%
11	llex	12%
28	Magnolia	30%
18	Ouercus	20%
90	Totals	100%*
Qty	Tree Species	Pct
14	Acer rubrum	15%
19	Cornus florida	21%
11	Йех ораса	12%
15	Magnolia grandiflora	16%
13	Magnolia virginiana	14%
18	Quercus shumardii	20%
90	Totals	100%*

*May not equal 100 due to rounding

- Contractor shall minimize soil compaction to all new planting areas by limiting access to those areas designated for planting purposes only. Contractor shall not store clean, or empty equipment or materials within any area specified for preservationery plant installation.
- Prior to plant installation, contractor shall conduct a soil test in at least three locations on the site that best represent the plant distribution and conditions shown on the planting plan. The soil test shall be conducted by an independent laboratory qualified to test soils. The test shall be conducted to determine:
- 2.1. Soil type
- 2.2. Soil pH
- Nutrient content
- 2.4. Recommended amendments
- 3. Contractor shall formish a copy of the soil report(s) along with the contractor's recommended amendments to the ballcape architect and the owner pior to intributing plant installation. Contractor shall not initiate plant installation without a written or versal relation, receipt of the report and agreement with the amendment approach. Do not apply symbolic strikes for any planting series without the approach of the inadecape architect or described in the properties of the inadecape architect or described and agreement with the amendment approach. Do not apply symbolic strikes to any planting series without the approach of the inadecape architect or described and applications.
- 4. The default soil amendment shall be:
- Plant soils: integrate 8-10 percent by volume organic pine bank compost uniformly throughout the planting soil prior to plant installation.
- Soil surface: integrate 50% by volume organic compost into the top 6° of finished plant soils. Well-composted, post-consumer yard waste is the

### STREET LIGHTS

- 1. Approximate street light locations are shown on the landscape plans. Final locations to be determined by the utility provider and the project develope
- to be determined by the sultry provider and the project developer. 
  Lighting shall be in accordance with Bassau County (owds Section 29-43 Street 
  Lighting, Final street lighting to be designed by JEA Utility, Proles shall not exceed 357 
  in height, shall meet the placemonts requirements of Section 29-43 and 
  illumination and spaint grequirements of the JEA Lighting Handbook, current editor, 
  Operation and Maintenance shall be handfold by the "One-oversita Association."

#### TREE AND EXISTING VEGETATION PROTECTION

- Contraction shall answer protection of eating trees and vegetation prior to all clearing or constitutions in they write; a time bentrand as appeciated in florida department of transcription in florida department of transcription in the state of the sta
- Ensure protection for trees and plants to be preserved within the project area as specified in the plans and along the project boundaries.
- specifies in the parts and only one project reconcilents.

  If any other project is a project is a project in the project in the project in the project in the project is a project in the project in the project is a project in the project in the project is a project in the project is and project in the project is a project in the project is and project in the project is a project in the project is a project in the project is an expect in the project is a project in the project in the project is a project in the project is a project in the project in the project is a project in the project in the project in the project is a project in the project in the project in the project is a project in the project in

#### IRRIGATION INSTALLATION

- Contractor shall provide a new automatic irrigation system that ensures 100% head-to-head coverage of all landscaped areas within the project area.
- Install bubblers only for code-required trees, one per tree
- install adulates only to code-equinate uses, one par tree.

  Impation source shall be non-potable; retention prod and/or on site well.

  Contractor shall provide a double-check backflow preventer equal to a DCA-100 (or approved equal). mounted in a rectangular valve box on the serving side and adjacent to the meter. Contractor shall submit a preliminary irrigation design plan and cost estimate for the
- proposed new system design along with unit costs for components and all related work such as sleeve installation, electrical work, and repairs.
- Upon completion, contractor shall submit an as-built plan of the installed irrigation system, location of all components and sleeves to the owner (and municipal authority
- Contractor shall furnish all warranty, maintenance equipment, and operating instructions.
- 8. Contractor shall show owner or maintenance superintendent how to operate the controller, operate the system manually, shut system off, adjust heads and sprays, and provide any other critical and helpful information needed to properly operate and

### NASSAU COUNTY CODE REQUIREMENTS

# DEVELOPMENT TYPE: Single Family Subdivision

PROTECTED TREE PRESERVATION/REPLACEMENT

# PERIMETER LANDSCAPING Miner Road R.O.W. (Miner Collector 1,430 lf)

Required canopy trees (3/100 lf): 43 Provided canopy trees: 47 Provided canopy trees; 47
Required understory trees (3/100 lf): 43
Provided understory trees: 43
Required area (15 sf/lf): 21,450 sf Provided area: 21,450 sf

# INTERIOR LANDSCAPING Not required

DEVELOPMENT BUFFERS PER TABLE 37-5 Not required

UPLAND BUFFERS
Upland buffers shall be maintained in their natural vegetated condition Upland buffers shall be maintained in their natural vegetated condition. Native vegetation removed of estoyed within the upland buffer in violation of Nassau County Comprehencive Plan Policy 1,04a, 02 shall be replanded with comparable native vegetative species as were inmoved or destroyed. Notious and non-native invasive plant materials can be removed. Dead vegetation can be removed. Unplaining can occur with the buffers, provided that the limbs to be removed are less than three (3) inches in diameter.

ONE AND TWO FAMILY DIVELLINGS
One and two-family develings. Each single family and two-family lot insust provide at histor, cell 1 time per three thousand (3,000) equave feet of lot, area for the first quarter area of lot area. For lote exceeding one-quarter [14], area for the first quarter area of lot area. For lote exceeding one-quarter [14], the provided of the preserved or planetal. Existing canopy these, asable plane, and pins trees may be used to satisfy this requirement, in whole or in part provided that they have a minimum capulement they must be more than one species or three lothers. Dist. When trees are planted to meet the minimum requirement they must be more than one species or three lothers. The control of the provided that they can be considered in table 3-71 cs of 72 end present the service requirement applicable to individual one and be-claimly duellings.

Refer to the Lot Table for individual lot planting requirements. Required trees may be preserved or planted, Preserved trees shall be protected according to sec. 37.02; planted tree shall be selected and installed according to see 37.05.

37.05 G1 All plants will be fully irrigated

IMASSAU COUNTY LANDSCAPE HOTES
37.05.1 The property owner is responsible for the maintenance of all landscape areas, including trigation, moving, trimming fertilizing, & carrying out the activities to keep the plant material in a healthy and growing condition, maintain visual clearance, & allow passage of vehicles & 37.06.8 Au conversage of the property of the set of the set

# PLANT LIST

QTY	ABV	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	TREE TYPE	ORIGIN
				CANOPY TREES			
14	AR	Acer rubrum	Red maple	4° cal / 13-15' ht	As shown	Canopy	Native
15	MG	Magnolia grandiflora	Southern magnolia	4" cal / 12-14" ht	As shown	Canopy	Native
18	QS	Quercus shumardii	Shumard oak	4' cal / 13-15' ht	As shown	Canopy	Native
47	Total						
			UA	VDERSTORY TREES			
19	CF	Cornus florida	Rowering dogwood	3° cal / 8-10° ht	As shown	Understory	Native
11	10	Hex opaca	American holly	3" cai / 8-10" ht	As shown	Understory	Native
13	MV	Magnolia virginiana	Sweetbay magnolia	3° cai / 8-10' ht / std	As shown	Understory	Rative
43	Total						714010
				SOD			
		Paspalum notatum 'Argentine'	Argentine bahiagrass	Solid sod	Square foot		

Landscape Architecture Jacksonville, Florida 32246 F-3031 www.eviene.com Wicker <u>ح</u> Connelly & . 665 ve. Suite ৰ্বব্বব্ LANDSCAPE PECIFICATIONS YULEE, FLORIDA
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ABP 0.C.: RCW AUGUST 4, 2021 L5