CONSTRUCTION PLANS JACKIE ROBINSON TRAINING COMPLEX

SECTION 3, TOWNSHIP 33 SOUTH, RANGE 39 EAST INDIAN RIVER COUNTY, FLORIDA

PREPARED FOR:

MAJOR LEAGUE BASEBALL **3901 26TH STREET** VERO BEACH, FL 32960

- PROJECT GULF OF MEXICO

LOCATION MAP

PROJECT LOCATION

─TO I-95

VERO BEACH

MUNICIPAL AIRPORT

EXECUTIVE BUILDING LOCATED IN:

AERIAL MAP INDEX OF DRAWINGS CC-1.00 **COVER SHEET** TOPOGRAPHIC SURVEY PLAN (BY OTHERS) S-1.00 C-1.00 GENERAL NOTES & SPECIFICATIONS **AERIAL MAP** C-2.00C-3.00 SITE PLAN SERVICE CART IMPROVEMENT PLAN C-3.01 C-4.00 PAVING & DRAINAGE PLAN C-5.00 WATER + WASTEWATER PLAN C-5.01 WATER + WASTEWATER DETAILS C-6.00 PAVING & DRAINAGE DETAILS EC-1.00 **EROSION CONTROL NOTES EROSION CONTROL DETAILS** EC-1.01 LANDSCAPE PLANTING PLAN LA-1.00

GENERAL NOTES:

1. ALL UNDERGROUND UTILITIES SHOWN ARE BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL COORDINATE AND PROVIDE UTILITY LOCATES SERVICES WITHIN THE AREA OF CONSTRUCTION ACTIVITY.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCKING OUT ALL ELECTRICAL POWER SERVICE PRIOR TO ANY CLEARING AND GRUBBING

EXCESSIVE SOIL AND EXISTING MATERIALS OFF-SITE IN A LEGAL MANNER AT NO ADDITIONA COST TO THE COUNTY. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ALL QUANTITIES C MATERIALS AND CUT/FILL CALCULATIONS.

4. THE CONTRACTOR IS FULLY RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS PRIOR TO ANY CONSTRUCTION ACTIVITY. ANY FIELD DEVIATIONS FOUND SHALL BE BROUGHT TO THE E.O.R

5. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ALL LAND SURVEYING LAYOUTS AND AS-BUILT SURVEYING IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

6. THE CONTRACTOR IS RESPONSIBLE FOR ALL SITE AND CONSTRUCTION SAFETY MEASURES IN ACCORDANCE WITH THE MOST CURRENT O.S.H.A. STANDARDS.

7. THE CONTRACTOR SHALL SUBMIT ALL MATERIALS FOR SHOP DRAWING REVIEW AND APPROVAL PRIOR TO ORDERING OR INSTALLING ANY MATERIALS.

8. EXISTING UTILITIES SHOWN ARE BASED ON INFORMATION OBTAINED BY CITY OF VERO BEACH UTILITIES DEPARTMENT AND DATA FROM DESIGN DOCUMENTS PREPARED CARTER ASSOCIATES, INC. JULY 14, 1989.

UNDERGROUND UTILITIES LOCATE NOTE

THE CONTRACTOR SHALL HIRE A 3RD PARTY UNDERGROUND LOCATE UTILITY COMPANY TO LOCATE ALL UNDERGROUND ' EXITING UTILITIES SUCH AS WATER, SEWER, DRAINAGE, AND LP GAS LINES PRIOR TO ANY SITE DEMOLITION ACTIVITIES AND NOTIFY THE OWNER AND ENGINEER OF ANY CONFLICTS WITH THE INTENDED DESIGN.

THE CONTRACTOR SHALL NOT REMOVE ANY UNDERGROUND UTILITIES UNLESS DIRECTED BY OWNER OR ENGINEER.

THE CONTRACTOR SHALL POTHOLE UTILITY LINES AND CONFIRM ACTUAL UTILITY TYPE, DEPTH, PIPE SIZE, AND MATERIALS.

RAVI DEVAGUPTAPU, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 53150

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY RAVI DEVAGUPTAPU ON THE DATE

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY

Devaguptapu 6847DC422E305B87,

Digitally signed by Ravi

Devaguptapu DN: cn=Ravi Devagutapu, o=FTE,

Date:2023.03.30 11:50:28 -04'00

INDICATED HERE.

FTE Sports 8250 Pascal Drive

Office: 941.961.7560 CA00007924

Punta Gorda, FL 33950

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ARCHITECTURE 5391 Lakewood Ranch Blvd. I

Lakewood Ranch, FL 34240

DOCUMENTS



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SHEET NUMBER

CC-1.00

- CONSTRUCTION SAFETY AND LIABILITY

 A. THE CONTRACTOR MUST TAKE PROPER SAFETY AND HEALTH PRECAUTIONS TO PROTECT THE WORK, THE WORKERS, THE PUBLIC, AND THE PROPERTY OF OTHERS. METHODS USED TO MAINTAIN AND PROTECT THE WORK SHALL BE IN ACCORDANCE WITH APPLICABLE LAWS, RULES, AND REGULATIONS AND ARE THE SOLE RESPONSIBILITY OF THE
- CONTRACTOR THE CONTRACTOR IS RESPONSIBLE FOR ALL MATERIALS DELIVERED AND WORK PERFORMED UNTIL COMPLETION AND ALL ACCEPTANCES HAVE BEEN OBTAINED.
- THE CONTRACTOR SHALL MAINTAIN TRAFFIC DURING CONSTRUCTION IN ACCORDANCE WITH "THE STATE OF FLORIDA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."
- THE CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE TO PERSONS OR PROPERTY THAT OCCURS AS A RESULT OF HIS NEGLIGENCE.
- THE CONTRACTOR MUST SAVE HARMLESS AND INDEMNIFY THE OWNER AND FTE AND FTE SPORTS, ITS OFFICERS, REPRESENTATIVES, AND EMPLOYEES FROM ALL CLAIMS, LOSS, DAMAGE, ACTIONS, CAUSES OF ACTION, AND/OR EXPENSES RESULTING FROM, BROUGHT FOR, OR ON ACCOUNT OF ANY PERSONAL INJURY OR PROPERTY DAMAGE RECEIVED OR SUSTAINED BY ANY PERSONS OR PROPERTY GROWING OUT OF, OCCURRING, OR ATTRIBUTABLE TO ANY WORK PERFORMED UNDER OR RELATED TO THIS CONTRACT, RESULTING IN WHOLE OR IN PART FROM THE NEGLIGENT ACTS OR OMISSIONS OF THE CONTRACTOR, ANY SUBCONTRACTOR, OR ANY EMPLOYEE, AGENT, OR REPRESENTATIVE OF THE CONTRACTOR OR ANY SUBCONTRACTOR.

IHE OWNER SHALL SECURE PRIOR TO CONSTRUCTION A PROFESSIONAL LAND SURVEYOR TO PERFORM AN "AS-BUILT" SURVEY OF ALL COMPLETED IMPROVEMENTS. THE OWNER SHALL ALSO SECURE PRIOR TO CONSTRUCTION A PROFESSIONAL ENGINEER TO PROVIDE THE APPROPRIATE SERVICES NEEDED IN ORDER TO CERTIFY TO ALL APPLICABLE REGULATORY AGENCIES THAT THE IMPROVEMENTS WERE CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH ALL APPLICABLE PERMITS AND APPROVALS. THE OWNER SHALL COORDINATE A PRE—CONSTRUCTION MEETING WITH THE ENGINEER, SURVEYOR, CONTRACTOR FESTING LAB, UTILITY COMPANIES, AND APPROPRIATE REGULATORY AGENCIES. THE CONTRACTOR SHALL PROVIDE A SHOP DRAWING SUBMISSION SCHEDULE FOR ALL PROJECT MATERIALS AND COMPONENTS. THE CONTRACTOR SHALL NOT INITIATE CONSTRUCTION OF ANY PORTION OF THE IMPROVEMENTS UNTIL THE SHOP DRAWINGS HAVE BEEN REVIEWED AND APPROVED FOR THAT PORTION BY THE ENGINEER. THE OWNER, CONTRACTOR, ENGINEER AND UTILITY COMPANY SHALL ALSO DISCUSS ALL DOCUMENTATION REQUIRED FOR CONTRIBUTED FACILITIES TRANSFER FROM THE OWNER/DEVELOPER TO THE UTILITY COMPANY UPON PROJECT COMPLETION. UNLESS OTHERWISE SPECIFIED BY THE UTILITY COMPANY. THE FOLLOWING DOCUMENTS SHALL BE PROVIDED: DOCUMENTS REQUIRED FOR CONTRIBUTED FACILITIES FROM DEVELOPER TO UTILITY

- UTILITY EASEMENT(S): MUST BE RECORDED AT COUNTY CLERK OF COURT OFFICE BEFORE SUBMITTING TO UTILITY. EASEMENT ACKNOWLEDGEMENT.
- AFFIDAVIT.
- RELEASE OF LIEN.
- ASSIGNMENT OF RIGHTS UNDER UTILITY AGREEMENT: WHEN PROPERTY HAS BEEN TRANSFERRED TO A NEW OWNER. DESCRIPTION OF FACILITIES: A SHORT EXPLANATION DEPICTING WHAT HAS BEEN CONSTRUCTED DETAILED COST OF CONSTRUCTION; MUST INCLUDE INDIVIDUAL ITEMS OR APPURTENANCES, UNIT COST AND TOTAL
- COST OF EACH. DO NOT INCLUDE WATER SERVICE LINES OR SEWER LATERALS. 9. RECORD DRAWINGS (AS-BUILT): MUST BE SIGNED AND SEALED BY ENGINEER OF RECORD. SUBMIT A REPRODUCIBLE TWO COPIES OF PRINTS.
- 10. PALM BEACH COUNTY HEALTH DEPARTMENT APPLICATION(S).
- . INSPECTION REPORT(S).
- . PRESSURE TEST REPORT(S).
- 3. INFILTRATION-EXFILTRATION TEST REPORT(S), INCLUDING VIDEO TAPES AND LAMPING REPORTS.
- 4. LIFT STATION INSPECTION (START-UP) REPORT(S) AND EQUIPMENT SHOP DRAWINGS. 5. BACTERIOLOGICAL TEST REPORT(S).
- 16. ENGINEER'S CERTIFICATE OF SUBSTANTIAL COMPLETION INDIAN RIVER COUNTY HEALTH DEPARTMENT.
- 7. SYSTEM(S) ACCEPTANCE LETTER(S) PALM BEACH COUNTY HEALTH DEPARTMENT. NOTES: ITÈM 1-8 TO BE SUPPLIED BY OWNER.

ITEMS 9-17 TO BE SUPPLIED BY ENGINEER OF RECORD. UNLESS OTHERWISE SPECIFIED BY THE UTILITY, THE CONTRACTOR SHALL NOTIFY THE SUPERINTENDENTS OF THE WATER, GAS, SEWER, TELEPHONE, AND POWER COMPANIES, 10 DAYS IN ADVANCE, THAT HE INTENDS TO START WORK IN A SPECIFIC AREA. THE OWNER AND ENGINEER DISCLAIM ANY RESPONSIBILITY FOR THE SUPPORT AND PROTECTION OF SEWERS, DRAINS, WATER LINES, GAS LINES, CONDUITS OF ANY KIND, UTILITIES OR OTHER STRUCTURES OWNED BY THE CITY,

RIGHT-OF-WAY, OR EASEMENT. PROJECT SIGN
THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A CONSTRUCTION PROJECT SIGN AT A LOCATION DIRECTED BY THE DWNER. CHARLOTTE ENGINEERING AND SURVEYING, INC. SHALL PROVIDE A SEPARATE SIGN FOR INSTALLATION BY THI CONTRACTOR AT THIS LOCATION. THESE SIGNS SHALL BE ERECTED WITHIN 15 DAYS AFTER RECEIVING A NOTICE TO PROCEED. UPON PROJECT COMPLETION, THE CONTRACTOR SHALL REMOVE THESE SIGNS AND RETURN TO FTE SPORTS.

COUNTY, STATE OR BY PRIVATE OR PUBLIC UTILITIES LEGALLY OCCUPYING ANY STREET, ALLEY, PUBLIC PLACE,

ENVIRONMENTAL PROTECTION DURING CONSTRUCTION

OTECTION OF LAND RESOURCES - EXCEPT IN AREAS IDENTIFIED ON THE PLANS TO BE CLEARED, THE CONTRACTOR MUST NOT DEFACE, INJURE, OR DESTROY TREES OR SHRUBS OR REMOVE OR CUT THEM WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER. IN THE ABSENCE OF A CLEARING PLAN, AREAS SHOWN FOR IMPROVEMENTS SHALL BE CLEARED UNLESS

PROTECTION OF WATER RESOURCES — IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INVESTIGATE AND COMPL YWITH PPLICABLE FEDERAL, STATE, REGIONAL, COUNTY, AND MUNICIPAL LAWS CONCERNING POLLUTION OF WATER RESOURCES. ALL WORK MUST BE PERFORMED IN SUCH A MANNER THAT OBJECTIONABLE CONDITIONS WILL NOT BE

CREATED IN PUBLIC WATERS RUNNING THROUGH, OR ADJACENT TO THE PROJECT AREA EROSION AND SEDIMENT CONTROL - ALL PRACTICABLE AND NECESSARY EFFORT SHOULD BE TAKEN DURING CONSTRUCTION TO CONTROL AND PREVENT EROSION AND THE TRANSPORT OF SEDIMENT TO SURFACE DRAINS,

- SURFACE WATER, OR ONTO OTHER PROPERTY BY ANY OR ALL OF THE FOLLOWING METHODS. STORMWATER FACILITIES ARE TO BE BUILT AS EARLY IN THE CONSTRUCTION PHASE AS POSSIBLE TO ENSURE THE TREATMENT OF STORMWATER RUNOFF. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES, HOWEVER, SUCH AS BERMS, SEDIMENT BASINS, GRASSING, SODDING, SAND BAGGING, BALED HAY OR STRAW, FLOATING SILT BARRIERS, STACKED SILT BARRIERS, ETC. MUST BE PROVIDED AND MAINTAINED UNTIL THE PERMANENT FACILITIES ARE COMPLETED
- . RE-VEGETATION AND STABILIZATION OF DISTURBED GROUND SURFACES SHOULD BE ACCOMPLISHED AS SOON AS
- FULL COMPACTION OF ANY FILL MATERIAL PLACED AROUND NEWLY INSTALLED STRUCTURES. PROHIBIT THE USE OF ANY CONSTRUCTION EQUIPMENT THAT LEAKS EXCESSIVE AMOUNTS OF FUEL, OIL, OR HYDRAULIC ALL DISTURBED AREAS SHALL BE GRADED FOR POSITIVE DRAINAGE, EXCEPT RETENTION AREAS, AND SHALL BE STABILIZED BY SODDING, EXCEPT WHERE SEEDING AND MULCHING ARE CALLED FOR ON THE PLANS. THE LATEST VERSION OF THE F.D.O.T. ROAD AND BRIDGE SPECIFICATIONS SHALL BE USED, UNLESS MORE RESTRICTIVE LOCAL

PROTECTION OF FISH AND WILDLIFE
THE CONTRACTOR MUST AT ALL TIMES PERFORM ALL WORK IN A WAY AND TAKE SUCH STEPS AS REQUIRED TO PREVENT ANY INTERFERENCE WITH OR DISTURBANCE TO FISH AND WILDLIFE. THE CONTRACTOR SHALL NOT ALTER WATER FLOWS OR OTHERWISE DISTURB NATIVE HABITATS AND JURISDICTIONAL WETLANDS LOCATED WITHIN AND/OR ADJACENT TO THE

RECORDING AND PRESERVING HISTORICAL AND ARCHEOLOGICAL FINDS
ALL ITEMS HAVING ANY APPARENT HISTORICAL OR ARCHEOLOGICAL INTEREST THAT ARE DISCOVERED IN THE COURSE OF ANY CONSTRUCTION ACTIVITIES MUST BE CAREFULLY PRESERVED. THE CONTRACTOR MUST LEAVE THE ARCHEOLOGICAL FIND UNDISTURBED AND MUST IMMEDIATELY REPORT THE FIND TO THE OWNER SO THAT THE PROPER AUTHORITY MAY BE

EARTHWORK

- <u>-01 SUBMITTALS</u> A. EROSION AND CONTROL MEASURES COMPACTION TESTS

-03 SUBSURFACE INVESTIGATIONS

- SOILS CLASSIFICATION TESTS PRESERVATION PLANS
- <u>1-02 SITE EXAMINATION</u> A. BEFORE SUBMITTING BIDS, CONTRACTORS SHALL INFORM THEMSELVES AS TO LOCATION AND NATURE OF THE WORK, CHARACTER OF EQUIPMENT AND FACILITIES NEEDED FOR PERFORMANCE OF THE WORK, GENERAL AND LOCAL CONDITIONS PREVAILING AT THE SITE, AND OTHER MATTERS WHICH MAY, IN ANY WAY, AFFECT THE WORK UNDER
- . EXAMINE SOURCES OF INFORMATION CONCERNING GROUND WATER LEVEL, WHETHER SURFACE OR SUBSURFACE, EACH BIDDER TO DRAW HIS OWN CONCLUSION CONCERNING GROUND WATER LEVELS AND HOW WATER AFFECTS HIS WORK.
- SUBSURFACE DATA, INCLUDING GROUND WATER ELEVATIONS OR CONDITIONS, IF SHOWN ON THE DRAWINGS OR ATTACHED TO THESE SPECIFICATIONS, ARE PRESENTED ONLY AS INFORMATION THAT IS AVAILABLE WHICH INDICATED CERTAIN CONDITIONS FOUND AND LIMITED TO THE EXACT LOCATIONS, SHALL NOT BE INTERPRETED AS AN INDICATION OF CONDITIONS THAT MAY ACTUALLY BE DEVELOPED THROUGH THE PERIOD OF CONSTRUCTION. BIDDERS SHALL EXAMINE THE SITE OF THE WORK AND MAKE THEIR OWN DETERMINATION OF THE CHARACTER OF MATERIALS AND THE CONDITIONS TO BE ENCOUNTERED ON THE WORK, AND THEIR PROPOSAL SHALL BE BASED UPON THEIR OWN INVESTIGATIONS. THE OWNER AND ENGINEER SHALL NOT BE HELD RESPONSIBLE FOR VARIATIONS FOUND TO EXIST BETWEEN THE ATTACHED DATA ABOVE REFERRED TO AND ACTUAL FIELD CONDITIONS THAT DEVELOP THROUGH THE PERIOD OF CONSTRUCTION.
- WHERE EXISTING GRADES, UTILITY LINES AND SUBSTRUCTURES ARE SHOWN ON THE DRAWINGS, THE OWNER AND ENGINEER ASSUME NO RESPONSIBILITY FOR CORRECTNESS OF EXISTING CONDITIONS INDICATED. THE CONTRACTOR SHALL ASCERTAIN EXACT LOCATIONS OF UTILITIES AND SUBSTRUCTURES THAT MAY BE AFFECTED BY THIS PROJECT, AND SHALL BE RESPONSIBLE FOR ANY DAMAGE OR INJURY THAT MAY RESULT FROM WORKING ON OR NEAR THOSE UTILITIES. SUBSTRUCTURES WHICH ARE NOT TO BE REMOVED OR DEMOLISHED.
- THE CONTRACTOR SHALL MAKE HIS OWN DEDUCTIONS OF THE SUBSURFACE CONDITIONS WHICH MAY AFFECT METHODS OR COST OF CONSTRUCTION AND HE AGREES THAT HE WILL MAKE NO CLAIM FOR DAMAGES OR OTHER COMPENSATION, EXCEPT SUCH AS ARE PROVIDED FOR IN THE AGREEMENT, SHOULD HE FIND CONDITIONS DURING THE PROGRESS OF THE WORK DIFFERENT FROM THOSE AS CALCULATED OR ANTICIPATED BY HIM.
- <u>1-04 BENCH MARKS AND MONUMENTS</u> A. MAINTAIN CAREFULLY EXISTING BENCH MARKS, MONUMENTS, AND OTHER REFERENCE POINTS. IF DISTURBED OR DESTROYED, REPLACE AS DIRECTED.

- 1-05.1 JOB CONDITIONS
 A. CONDITION OF PREMISES: ACCEPT SITE AS FOUND AND EXCAVATE, FILL, COMPACT, AND BACKFILL SITE AS HEREINAFTER SPECIFIED.
- B. PROTECTION: 1. EXISTING STRUCTURES AND PROPERTY: TAKE PRECAUTIONS TO GUARD AGAINST MOVEMENT OR SETTLEMENT OF ADJACENT STRUCTURES AND FACILITIES; PROVIDE AND PLACE BRACING OR SHORING AS NECESSARY OR PROPER IN CONNECTION THEREWITH; BE RESPONSIBLE FOR SAFETY AND SUPPORT OF SUCH STRUCTURES; BE LIABLE FOR ANY MOVEMENT OR SETTLEMENT, ANY DAMAGE OR INJURY CAUSED THEREBY OR RESULTING THEREFROM. IF AT ANY TIME SAFETY OR ANY ADJACENT STRUCTURES APPEARS TO BE ENDANGERED, CEASE OPERATION, TAKE PRECAUTIONS TO SUPPORT SUCH STRUCTURES AND NOTIFY THE OWNER. RESUME OPERATIONS ONLY AFTER PERMISSION HAS BEEN GRANTED BY THE OWNER.
- 2. SIDEWALKS AND STREETS: TAKE PRECAUTIONS TO GUARD AGAINST MOVEMENT, SETTLEMENT OR COLLAPSE OF ANY SIDEWALKS, CURBS OR STREET PASSAGES ON ADJOINING SITE; BE LIABLE FOR ANY SUCH MOVEMENT, SETTLEMENT OR COLLAPSE; REPAIR PROMPTLY SUCH DAMAGE WHEN SO ORDERED. INSTALL SUCH SHORING, INCLUDING SHEET PILING, AS MAY BE REQUIRED DURING EXCAVATION, TO PROTECT BANKS, ADJACENT PAVING, STRUCTURES AND
- 3. RESPONSIBILITY: BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING STRUCTURES OR TO EQUIPMENT AND FURNISHINGS HOUSED THEREIN WHICH ARE DUE DIRECTLY OR INDIRECTLY TO CONSTRUCTION OPERATIONS. EXCEPT WHERE REMOVAL IS NECESSITATED BY SITE GRADING OR LOCATION OF NEW BUILDING, USE EVERY POSSIBLE PRECAUTION TO PREVENT INJURIES TO LANDSCAPING, DRIVES, CURBS, AND WALKS ON OR ADJACENT TO SITE OF THE WORK AND REPLACE, AT NO EXPENSE TO OWNER, ANY OF SUCH THAT ARE DESTROYED.

- ACCOMPLISH IN A MANNER THAT PROVIDES FOR THE SAFETY OF THE PUBLIC AND WORKMEN AND PROVIDE FOR THE
- PROTECTION OF ALL PROPERTY. B. CONSTRUCTION: DO NOT CLOSE, OBSTRUCT OR STORE MATERIAL OR EQUIPMENT IN STREETS, SIDEWALKS, ALLEYS OR PASSAGEWAYS WITHOUT A PERMIT IN ACCORDANCE WITH LOCAL ORDINANCES, REGULATIONS, AND CODES. C. INTERFERENCE: CONDUCT OPERATIONS WITH MINIMUM INTERFERENCE WITH ROADS, STREETS, DRIVEWAYS, ALLEYS,
- SIDEWALKS AND OTHER FACILITIES D. PNEUMATIC TOOLS: WORK WITH PNEUMATIC OR VIBRATORY TOOLS WILL BE PERMITTED ONLY IN A MANNER WHICH
- CAUSES NO RELATED DAMAGES. E. REMOVAL: UNLESS OTHERWISE NOTED OR SPECIFIED TO BE RELOCATED OR STORED, ALL MATERIALS REMOVED BECOME THE PROPERTY OF THE CONTRACTOR AND ARE BE REMOVED COMPLETELY AWAY FROM THE SITE BY HIM. DO NOT STORE OR PERMIT DEBRIS TO ACCUMULATE ON THE SITE
- F. TEMPORARY STRUCTURES: REMOVE ALL TEMPORARY STRUCTURES WHEN THEY ARE NO LONGER REQUIRED. G. REPAIR: CLEAN UP, REPAIR OR REPLACE AT NO COST TO OWNER ALL PROPERTY DAMAGED BY REASON OF REQUIRED WORK. ALL PATCH WORK SHALL MATCH EXISTING AND BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER BY CRAFTSMEN SKILLED IN THE TRADE INVOLVED. IN NEWLY GRADED AREAS TAKE EVERY PRECAUTION AND TEMPORARY MEASURE NECESSARY TO PREVENT DAMAGE FROM EROSION OF FRESHLY GRADED AREAS. WHERE ANY SETTLEMENT OR WASHING MAY OCCUR PRIOR TO ACCEPTANCE OF THE WORK, REPAIR AND RE-ESTABLISH GRADES TO THE REQUIRED ELEVATIONS AND SLOPES AT NO ADDITIONAL COST TO THE OWNER. THIS APPLIES TO DAMAGE TO THE NEWLY GRADED AREAS WITHIN THE CONSTRUCTION LIMITS AND DAMAGE TO ADJACENT PROPERTIES BY ERODED MATERIAL.
- 2-02 LOCATIONS AND ELEVATIONS A. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SURVEYS, MEASUREMENTS AND LAYOUTS REQUIRED FOR PROPER EXECUTION OF THE WORK. LAY OUT LINES AND GRADES FROM EXISTING SURVEY CONTROL SYSTEM AND AS SHOWN ON DRAWINGS
- A. WITHIN LIMITS OF AREAS DESIGNATED FOR GRADING AND SITE CONSTRUCTION WORK, REMOVE TREES, BRUSH, STUMPS, WOOD DEBRIS AND OTHER DELETERIOUS MATERIALS NOT REQUIRED TO REMAIN AS PART OF THE FINISHED WORK. B. REMOVE ALL GRASS, PLANTS, VEGETATION AND ORGANIC MATERIAL FROM SAME AREA.
- STRIP ALL TOPSOIL, ORGANIC MATERIAL, SURFACE LITTER, RUBBLE, AND OVERBURDEN FOR ENTIRE DEPTH OF ROOT SYSTEM OF GRASS OR OTHER VEGETATION
- B. STOCKPILE TOPSOIL ON SITE WHERE DIRECTED. OVER THE LIMITS OF CONSTRUCTION.
- BEGIN EXCAVATION AFTER STRIPPING, CLEARING AND GRUBBING WHERE APPLICABLE, HAS BEEN COMPLETED. 3. EXCAVATE TO GRADES REQUIRED TO ACCOMMODATE THE PROPOSED CONSTRUCTION; DE-WATER AS NEEDED. REMOVE UNSATISFACTORY MATERIALS ENCOUNTERED FROM THE BUILDING AREAS, AND OTHER NON-LANDSCAPED
- . EXCAVATE IN SUCH A MANNER THAT QUICK AND EFFICIENT DRAINAGE OF STORMWATER WILL BE AFFECTED CLASSIFY EXCAVATED MATERIALS AND STOCKPILE SEPARATELY SUITABLE SOILS FOR USE AS BACKFILL MATERIALS. IF
- SUFFICIENT QUANTITIES OF EXCAVATED MATERIALS MEETING REQUIREMENTS FOR BACKFILL ARE NOT AVAILABLE ON-SITE, PROVIDE MATERIALS MEETING THESE REQUIREMENTS. F. STOCKPILE EXCAVATED MATERIAL SUITABLE FOR USE AS FILL AND BACKFILL. 2-06 FILLING, BACKFILLING, AND COMPACTING A. THE WORK CONSISTS OF COMPACTION OF EXISTING EARTH (EXCLUDES ROCK), SURFACES AFTER EXCAVATION, FILLING
- AND COMPACTION OF SAID AREA TO LEVELS REQUIRED WITH SUITABLE BACKFILL MATERIAL. B. MATERIALS: SATISFACTORY FILL MATERIALS, AASHTO CLASSIFICATION A-3 OR BETTER, SHALL BE USED IN FILLS AND
- C. FILLING AND BACKFILLING: PLACE SATISFACTORY FILL MATERIAL IN HORIZONTAL LAYERS NOT EXCEEDING SIX (6") INCHES IN LOOSE DEPTH. COMPACT AS SPECIFIED HEREIN. NO MATERIAL SHALL BE PLACED ON SURFACES THAT ARE D. COMPACTION: COMPACTION SHALL BE WITH EQUIPMENT SUITED TO SOIL BEING COMPACTED. MOISTEN OR AERATE
- MATERIAL, AS NECESSARY, TO PROVIDE MOISTURE CONTENT THAT WILL READILY FACILITATE OBTAINING SPECIFIED COMPACTION WITH EQUIPMENT USED. COMPACT EACH LAYER TO NOT LESS THAN PERCENTAGE OF MAXIMUM DENSITY SPECIFIED BELOW, DETERMINED IN ACCORDANCE WITH AASHTO T-180. INSURE THAT THE COMPACTION OF PREVIOUSLY PREPARED FILL AREAS HAS BEEN MAINTAINED PRIOR TO PLACING NEW LAYERS. E. RECONDITIONING OF SUBGRADE: WHERE APPROVED COMPACTED SUBGRADES ARE DISTURBED BY THE CONTRACTOR'S
- SUBSEQUENT OPERATIONS OR ADVERSE WEATHER, SUBGRADE SHALL BE SCARIFIED AND COMPACTED AS SPECIFIED HEREINBEFORE TO REQUIRED DENSITY PRIOR TO FURTHER CONSTRUCTION THEREON. RE-COMPACTION OVER UNDERGROUND UTILITIES SHALL BE BY POWER-DRIVEN HAND TAMPERS. F. COMPACTION REQUIREMENTS:
- FILL UNDER LAWNS AND PLANTED AREAS: 95%
- BELOW SLABS ON GRADE AND CONCRETE WALKS: 98% UNDER PAVING AND PARKING AREAS: 98%
- THE CONTRACTOR WILL PROVIDE THE SERVICES OF A TESTING LABORATORY TO PERFORM SPECIFIED TESTS, INSPECTIONS, INSTRUMENTATION AND INSPECTION OF THE WORK.
- B. TESTS OF MATERIALS SHALL BE AS FOLLOWS: 1. SOIL CLASSIFICATION: ONE TEST FROM EACH TYPE OF MATERIAL ENCOUNTERED AND/OR PROPOSED TO BE USED. 2. LABORATORY TESTS FOR MOISTURE-CONTENT AND DENSITY ACCORDING TO AASHTO T-180: ONE TEST FOR EACH MATERIAL ENCOUNTERED AND/OR PROPOSED TO BE USED.
- 3. FIELD TESTS FOR MOISTURE CONTENT AND DENSITY: ONE TEST PER LAYER OF FILL PER 5,000 SQUARE FEET OF C. ONE COPY OF ALL TEST REPORTS, SIGNED AND SEALED BY TESTING LABORATORY ARE TO BE PROVIDED TO THE

SUPPLEMENTAL SPECIFICATIONS

GENERAL
THE CONTRACTOR SHALL BECOME FAMILIAR WITH AND ADHERE TO THE SPECIFICATIONS AND STANDARDS OF THE UTILITY

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OF THE SPECIFIC COMPANIES WHICH ARE SERVING THE PROJECT SITE. THE CONTRACTOR SHALL BECOME FAMILIAR WITH AND COMPLY WITH ALL SITE DEVELOPMENT STANDARDS AND CODES OF THE REGULATORY AGENCIES ASSOCIATED WITH THIS PROJECT. THE LATEST VERSION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE CONSTRUCTION STANDARD SPECIFICATIONS THE LATEST FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS SHALL BE INCLUDED WITHIN THE PROJECT SPECIFICATIONS. UNLESS OTHERWISE NOTED, EITHER ON THE PLANS OR WITHIN THE SPECIFICATIONS. THE APPLICABLE SECTIONS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS. AND THE LATEST FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS SHALL APPLY INCLUDING REFERENCES THEREIN. THE GENERAL DESCRIPTION OF THE NATURE OF THE WORK SHALL BE SUFFICIENT CORRELATION TO THE FLORIDA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS, EXACT ITEM DESCRIPTION IS NOT REQUIRED. IN THE EVENT THERE ARE CONFLICTS BETWEEN SPECIFICATIONS OR REQUIREMENTS, THE MOST RESTRICTIVE (CONSERVATIVE) SPECIFICATION OR REQUIREMENT SHALL BE USED.

POTABLE WATER DISTRIBUTION/WASTEWATER COLLECTION INSTALLATION
UNLESS OTHERWISE NOTED ON THE PLANS, THE STANDARDS AND SPECIFICATIONS OF THE ASSOCIATED UTILITY COMPANY SERVING THE PROJECT SITE SHALL BE ADHERED TO FOR ALL MATERIALS, INSTALLATION, TESTING, AND CERTIFICATION ACTIVITIES FOR ALL PUMP STATIONS, MAIN LINES, SERVICES, AND APPURTENANCES. IF STANDARDS AND SPECIFICATIONS ARE NOT AVAILABLE, THE CONTRACTOR SHALL CONFORM TO THE LATEST STANDARDS AND SPECIFICATIONS ADOPTED BY LOCAL UTILITIES, LOCAL GOVERNMENTAL REGULATIONS, OR THE MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES, WHICHEVER IS SPECIFICALLY THE MOST RESTRICTIVE.

STORMWATER PIPE INSTALLATION AND MISCELLANEOUS EXCAVATIONS UNLESS OTHERWISE NOTED ON THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL PERFORM THE EXCAVATION, BEDDING, JOINTS, AND BACKFILLING OPERATIONS IN ACCORDANCE WITH THE POTABLE WATER/WASTEWATER INSTALLATION SPECIFICATIONS, LOCAL GOVERNMENTAL REGULATIONS OR STANDARDS, F.D.O.T. STANDARDS AND SPECIFICATIONS, OR MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES, WHICHEVER IS SPECIFICALLY THE MOST RESTRICTIVE.

UNSUITABLE MATERIALS IF UNSUITABLE MATERIAL IS ENCOUNTERED WITHIN THE ROADWAY AREA AND/OR UTILITY AREAS IT SHALL BE REMOVED TO A DEPTH OF THREE (3.0') FEET BELOW THE SUB-BASE OR TRENCH BOTTOM AND SHALL BE BACKFILLED WITH A-3 MATERIAL OR BETTER WITH PLACEMENT AND COMPACTION METHODS IN ACCORDANCE WITH THE LATEST EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, OR AS OTHERWISE NOTED ON THE PLANS. UNSUITABLE MATERIALS SHALL BE REMOVED FROM THE SITE, UNLESS THE ENGINEER APPROVES USE WITHIN LANDSCAPED

<u>DE-WATERING</u> 1-01 GENERAL

- A. DE-WATERING CONSISTS OF PERFORMING ALL WORK NECESSARY TO REMOVE SURFACE WATER AND/OR CONTROL THE GROUND WATER LEVELS AND HYDROSTATIC PRESSURES IN ORDER TO PERMIT ALL EXCAVATION AND CONSTRUCTION
- UNDER THIS CONTRACT TO BE PERFORMED IN THE DRY. B. WORK OF THIS SECTION INCLUDES INSTALLATION, OPERATIONS, MAINTENANCE, SUPERVISION, SUPPLY, DISMANTLING, AND REMOVAL FROM THE SITE OF THE DE-WATERING FQUIPMENT. C. THE CONTRACTOR MUST FAMILIARIZE HIMSELF WITH THE POTENTIAL FOR EXCESSIVE RAINFALL, THE GROUND CONDITIONS,
- AND THE GROUND WATER CONDITIONS. GROUND WATER ELEVATION CAN FLUCTUATE. IT IS ANTICIPATED THAT ANY EXCAVATIONS MAY ENCOUNTER THE GROUND WATER TABLE. D. DRAINAGE OF THE SITE: AT ALL TIMES THE CONTRACTOR SHALL MAINTAIN AND OPERATE ADEQUATE SURFACE AND SUBSURFACE DRAINAGE METHODS IN ORDER TO KEEP THE CONSTRUCTION SITE DRY AND IN SUCH CONDITION THAT PLACEMENT AND COMPACTION OF FILL MAY PROCEED UNHINDERED BY SATURATION OF THE AREA. DURING

CONSTRUCTION, THE SURFACE OF THE BACKFILL AREA SHALL BE LEFT IN SUCH CONDITION THAT PRECIPITATION

AND/OR SURFACE WATER WILL RUN OFF WITHOUT PONDING.

- A. THE CONTROL OF ALL SURFACE AND SUBSURFACE WATER IS PART OF THE DE-WATERING REQUIREMENTS. MAINTAIN ADEQUATE CONTROL SO THAT THE STABILITY OF EXCAVATED AND CONSTRUCTION SLOPES IS NOT ADVERSELY AFFECTED
 - BY WATER, THAT EROSION IS CONTROLLED, AND THE FLOODING OF EXCAVATIONS OR DAMAGE TO STRUCTURES DOES NOT OCCUR. DRAIN SURFACE WATER AWAY FROM THE EXCAVATION B. DISPOSE OF ALL WATER REMOVED FROM THE EXCAVATION IN A MANNER THAT WILL NOT ENDANGER PUBLIC HEALTH,
 - PROPERTY, OR PORTIONS OF THE WORK UNDER CONSTRUCTION OR COMPLETED. DISPOSE OF WATER IN A MANNER THAT WILL CAUSE NO INCONVENIENCE WHATSOEVER TO THE OWNER OR TO OTHERS ENGAGED IN WORK AT THE SITE. C. DISPOSE OF WATER RESULTING FROM DE-WATERING OPERATIONS IN ACCORDANCE WITH CITY, COUNTY, STATE AND
 - FEDERAL REGULATIONS D. CONDUCT OPERATIONS SO THAT STORMWATER RUNOFF, SEDIMENT IS NOT DISCHARGED TO THE ADJACENT WATER BODIES, SEWERS, STREETS AND ADJACENT PROPERTIES.
 - E. DE-WATERING SYSTEM SHALL BE SO DESIGNED AS TO PREVENT REMOVAL OF SOIL FINES FROM THE SITE DURING THE DE-WATERING OPERATION.

PORTLAND CEMENT CONCRETE PAVING

A. COMPLY WITH ACI STANDARDS "RECOMMENDED PRACTICES FOR CONSTRUCTION OF CONCRETE PAVEMENTS AND CONCRETE BASES" (ACI316, LATEST EDITION).

- 1-0<u>2 REFERENCE STANDARDS</u> A. THE FOLLOWING REFERENCE STANDARDS OF THE ISSUES LISTED BELOW, BUT REFERRED TO THEREAFTER BY BASIC DESIGNATION ONLY, FORM A PART OF THIS SPECIFICATION TO THE EXTENT INDICATED BY THE REFERENCES THERETO. TESTS SHALL BE PERFORMED IN ACCORDANCE WITH HEREINAFTER SPECIFIED STANDARDS.
- 1. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)
- 2. AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) STANDARD 3. FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) 2020 STANDARDS AND SPECIFICATIONS FOR ROAD AND BRIDGE
- CONSTRUCTION SECTION 350 "CEMENT CONCRETE PAVEMENT". 4. T-180 MOISTURE-DENSITY RELATIONS OF SOILS
- A. THE CONTRACTOR SHALL SUBMIT TWO COPIES OF TEST REPORTS PREPARED BY AN INDEPENDENT TESTING LABORATORY AND CERTIFIED BY A PROFESSIONAL ENGINEER REGISTERED TO PRACTICE IN THE STATE OF FLORIDA. THESE REPORTS SHALL INDICATE ALL TESTS PERFORMED AND SHALL INCLUDE A CERTIFICATION STATEMENT OF COMPLIANCE WITH THE PROJECT SPECIFICATIONS. TESTS SHALL BE PERFORMED AS SPECIFIED UNDER THIS SECTION.

SUBMIT FOR REVIEW THE FOLLOWING A. CONCRETE DESIGN MIX AND PROVING FLEXURAL STRENGTH (MODULUS OF RUPTURE) TESTS

- B. EXPANSION JOINT FILLER DATA JOINT SEALER DATA D. "PROPOSED PAVING CONSTRUCTION PLAN" WHICH SHALL SHOW THE CONCRETE PAVING JOINT TYPES AND LOCATIONS AND SHALL INCLUDE A STATEMENT OF PROPOSED SEQUENCE AND SCHEDULE OF PAVING OPERATIONS
- F RESULTS OF CONCRETE TESTS F. RESULTS OF FIELD TESTS OF LBR AND COMPACTION OF STABILIZED SUBGRADE
- 1-04 MATERIALS A. STABILIZED SUBGRADE: PROVIDE 12 INCH STABILIZED SUBGRADE (LBR 40 MIN) COMPACTED TO A MINIMUM DENSITY OF
- 98% AS DETERMINED BY AASHTO T-180 B. CONCRETE: CONCRETE FOR CONCRETE PAVEMENT SHALL HAVE A COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS, A
- SLUMP RANGE BETWEEN 2 TO 4 INCHES AND A 28-DAY MODULUS OF RUPTURE OF 650 PSI AS DETERMINED BY THE REQUIREMENTS OF PARAGRAPH TESTING SPECIFIED HEREINAFTER.
- C. JOINT SEALER: JOINT SEALING SHALL CONFORM TO FEDERAL SPECIFICATIONS SS-S1401 OR SS-S-200d (COLD D. PRE-MOLDED EXPANSION JOINT FILLER: PRE-MOLDED EXPANSION JOINT FILLER SHALL CONFORM TO ASTM D1751-73.
- A. COMPLY WITH ACI STANDARD 316-74 AND SECTION 350, FDOT STANDARDS AND SPECIFICATIONS, UNLESS OTHERWISE SPECIFIED HEREIN.
- B. FINAL GRADING: ALL CONCRETE PAVEMENT SHALL HAVE A MAXIMUM DEVIATION OF 1/8 INCH(+/-) FROM THE SPECIFIED SURFACE PLANE AND PLAN GRADES.
- C. THE SURFACE FINISH SHALL BE APPROVED BY THE OWNER OR HIS REPRESENTATIVE. IN GENERAL, THE TEXTURE IS OF A MEDIUM BROOM FINISH AFTER FLOATING.
- 1. CONTRACTION JOINTS INDICATED ON DRAWINGS, OR AS REQUIRED, SHALL BE PLACED PERPENDICULAR TO THE FINISH GRADE OF THE CONCRETE. JOINTS SHALL BE CUT TO A DEPTH OF 1/4 OF THE SLAB THICKNESS BY CUTTING WITH AN EDGING TOOL HAVING A 1/4 INCH RADIUS OR BY SAWING WITH A BLADE PRODUCING A CUT NOT LESS THAN 1/8 INCH IN WIDTH. SAW JOINTS WITHIN 4 TO 6 HOURS OF CONCRETE PLACEMENT.
- 2. EXPANSION JOINTS SHALL BE PLACED WHERE INDICATED ON DRAWINGS, OR AS REQUIRED, USING 1/2 INCH THICK PREFORMED EXPANSION JOINT MATERIAL. ANCHOR WITH APPROVED DEVICES TO PREVENT DISPLACEMENT DURING PLACEMENT AND FINISHING. EDGES SHALL BE ROUNDED WITH AN EDGING TOOL. JOINTS SHALL BE FULL DEPTH OF CONCRETE EXCEPT THAT TOP EDGES SHALL BE 1/2 INCH BELOW THE FINISH CONCRETE SURFACE. EXPANSION JOINTS SHALL BE SEALED TO THE SURFACE BY FILLING WITH JOINT SEALING COMPOUND. JOINTS SHALL BE CLEAN AND DRY BEFORE SEALING COMPOUND IS PUT IN PLACE.
- 3. CONSTRUCTION JOINTS ARE TO BE USED AT CONTRACTION JOINT LOCATIONS TO STOP CONCRETE POURS. E. CURING: CONCRETE SHALL BE CURED BY PROTECTING IT AGAINST LOSS OF MOISTURE AND MECHANICAL INJURY FOR AT LEAST THREE DAYS AFTER PLACEMENT. A PIGMENTED LIQUID CURING MEMBRANE SHALL BE APPLIED IMMEDIATELY
- AFTER FINISHING OPERATION AT THE RATE OF ONE GALLON TO NOT MORE THAN 200 SQUARE FEET. F. CLEANING AND SEALING JOINTS: JOINTS SHALL BE FILLED WITH JOINT-SEALING MATERIAL NO LESS THAN 8 HOURS AND WITHIN 2 WEEKS AFTER JOINTS ARE CUT. JUST PRIOR TO SEALING, EACH JOINT SHALL BE THOROUGHLY CLEANED OF ALL FOREIGN MATERIAL INCLUDING ANY MEMBRANE CURING COMPOUND.
- G. TESTING: LABORATORY AND FIELD TESTING SHALL BE AT THE CONTRACTOR'S EXPENSE. IN ADDITION, ALL RETESTING SHALL BE DONE AT CONTRACTOR'S EXPENSE. 1. DESIGN MIXES AND TESTING REQUIREMENTS FOR THE CONCRETE PAVEMENT SHALL BE AS FOLLOWS: A. FLEXURAL

STRENGTH TESTS OF CONCRETE AS BASIS FOR DESIGN B. SLUMP, MODULUS OF RUPTURE AND 7- AND 28-DAY

COMPRESSIVE STRENGTH TESTS SHALL BE PERFORMED ON SAMPLES TAKEN AT THE SITE AT A FREQUENCY OF TWO 2. WHERE THE FLEXURAL STRENGTH OF THE CONCRETE IS SPECIFIED, MAKE ONE STRENGTH TEST AND ONE FLEXURAL TEST FOLLOWING (ASTM C192 AND ASTM C78) FOR EACH 100 CUBIC YARDS OR FRACTION THEREOF PLACED PER DAY. NUMBER OF CYLINDERS SHALL BE THREE FOR STRENGTH TEST AND THREE FOR FLEXURAL TEST. TEST ONE AT THREE DAYS, ONE AT SEVEN DAYS AND ONE AT 28 DAYS.

- WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS IN A NEAT AND ACCURATE MANNER. B. ALL EQUIPMENT SHALL BE OF A TYPE AND DESIGN WHICH WILL READILY OBTAIN THE REQUIRED UNIFORMITY OF APPLICATION OF THE PAVEMENT MARKINGS BOTH AS TO THICKNESS OF COATING AND AS TO ALIGNMENT.
- A. THE FOLLOWING PUBLICATIONS OF THE ISSUE LISTED BELOW, BUT REFERRED TO THEREAFTER BY BASIC DESIGNATION ONLY, FORM A PART OF THIS SPECIFICATION TO THE EXTENT INDICATED BY THE REFERENCES THERETO: 1, SECTIONS 710 AND 711 OF THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION. 2. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR STREETS AND HIGHWAYS PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION, LATEST

1-03 SUBMITTALS A. SUBMIT PAINT TESTS, AS SPECIFIED IN SECTION 971 OF THE FDOT SPECIFICATIONS AND AS APPLICABLE TO HEREINAFTER SPECIFIED MATERIAL.

THERMOPLASTIC: IN ACCORDANCE WITH REQUIREMENTS AS SPECIFIED IN SECTION 711 OF THE FDOT SPECIFICATIONS. B. PAINT: IN ACCORDANCE WITH REQUIREMENTS AS SPECIFIED IN SECTION 971-12, CODE T-2 OF THE FDOT SPECIFICATIONS, LATEX PAINT ONLY

COLORS: YELLOW AND WHITE PER FDOT, OR AS INDICATED ON THE DRAWINGS.

- 1-05 EXECUTION

 A. TIME OF APPLICATION: PAINTING SHALL BE DONE ONLY DURING DAYLIGHT HOURS AND, AS FAR AS PRACTICAL, SHALL BE TERMINATED IN TIME TO PERMIT SUFFICIENT DRYING BY SUNSET. B. WEATHER LIMITATIONS: NO PAINT SHALL BE APPLIED WHEN ANY MOISTURE IS PRESENT ON THE SURFACE TO BE PAINTED OR WHEN THE AIR TEMPERATURE IS BELOW 40 DEGREES FAHRENHEIT. PAINTING SHALL NOT BE DONE WHEN WINDS ARE SUFFICIENT TO CAUSE SPRAY DUST.
- C. PREPARATION OF SURFACE TO BE PAINTED: THE SURFACE WHICH IS TO BE PAINTED SHALL BE CLEANED, BY COMPRESSED AIR OR OTHER EFFECTIVE MEANS, IMMEDIATELY BEFORE THE START OF PAINTING AND SHALL BE CLEAN AND DRY WHEN THE PAINT IS APPLIED. ANY VEGETATION OR LOOSE SOILS SHALL BE REMOVED FROM THE PAVEMENT D. MIXING PAINT: THE PAINT SHALL BE THOROUGHLY MIXED BEFORE IT IS POURED INTO THE PAINTING MACHINE AND NO
- THINNING OF THE PAINT IN THE MACHINE WILL BE ALLOWED AT ANY TIME. BEFORE THE START OF EACH DAY'S WORK, THE PAINT CONTAINER, CONNECTIONS AND THE SPRAY NOZZLES ON THE MACHINE SHALL BE THOROUGHLY CLEANED WITH PAINT THINNER OR OTHER SUITABLE CLEANER. E. PAINT APPLICATION: THE TRAFFIC MARKINGS SHALL BE OF THE SPECIFIED DIMENSIONS WITH CLEAN, TRUE EDGES AND
- WITHOUT SHARP BREAKS IN THE ALIGNMENT. A UNIFORM COATING OF PAINT SHALL BE OBTAINED AND THE FINISHED MARKINGS SHALL CONTAIN NO LIGHT SPOTS OR PAINT SKIPS. ANY STRIPES WHICH DO NOT HAVE A UNIFORM, SATISFACTORY APPEARANCE, BOTH DAY AND NIGHT, SHALL BE CORRECTED
- F. RATE OF PAINT APPLICATION: THE MINIMUM RATE OF APPLICATION FOR PAINT SHALL BE AS FOLLOWS: 1. FOUR INCH SOLID: 20 GALLONS PER MILE. 2. HANDICAP LOGO: IN CONFORMANCE TO THE REQUIREMENTS OF THIS SECTION AND LOCAL CODES. 3. ANY OTHER WIDTH STRIPE OR MARKINGS: A DIRECT PROPORTION OF THE ABOVE ITEM 1.
- G. REQUIRED FILM THICKNESS: THE MINIMUM WET FILM THICKNESS FOR ALL PAINTED AREAS SHALL BE 15 MILS. H. ALIGNMENT OF STRIPES: WHERE A STRIPE DEVIATES FROM THE CORRECT ALIGNMENT, AS INDICATED BY THE STRING LINE, BY MORE THAN ONE INCH IN ANY 20 FOOT LENGTH, IT SHALL BE OBLITERATED AND THE STRIPE CORRECTED HEREINAFTER AS SPECIFIED IN SECTION 1.8 "CORRECTIVE MEASURES". 1-06 PROTECTION OF PAINTED MARKINGS
- A. PROTECTION OF STRIPES: ALL NEWLY PAINTED STRIPES, OR OTHER MARKINGS, SHALL BE PROTECTED UNTIL THE PAINT IS SUFFICIENTLY DRY TO PERMIT VEHICLES TO CROSS THE MARKING WITHOUT DAMAGE FROM THE TIRES. B. REPAIR OF DAMAGED AREAS: ANY PORTIONS OF THE STRIPES DAMAGED BY PASSING TRAFFIC OR FROM ANY OTHER CAUSE, SHALL BE REPAINTED AT THE CONTRACTOR'S EXPENSE. 1-07 DIMENSION AND ALIGNMENT TOLERANCE
 A. DIMENSIONS: NO MARKING SHALL BE LESS THAN THE SPECIFIED WIDTH. NO MARKINGS SHALL EXCEED THE SPECIFIED
- WIDTH BY MORE THAN ONE-HALF INCH. ALIGNMENT TOLERANCES SHALL BE AS SPECIFIED IN PARAGRAPH 1-05(H). B. CORRECTION RATES: ANY CORRECTIONS OF VARIATION IN THE WIDTH OF OR IN THE ALIGNMENT OF STRIPES SHALL NOT BE MADE ABRUPTLY BUT THE STRIPES SHALL BE RETURNED TO THE DESIGN WIDTH AT THE RATE OF AT LEAST 10 FEET FOR EACH 1/2 INCH OF CORRECTION.
- ALL PAINTED MARKINGS WHICH FAIL TO MEET THE SPECIFICATIONS, INCLUDING THE PERMISSIBLE TOLERANCES AND THE APPEARANCE REQUIREMENTS, OR ARE MARRED OR DAMAGED BY TRAFFIC OR FROM OTHER CAUSES, SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE. ALL DRIP AND SPATTERED PAINT SHALL BE REMOVED. WHENEVER IT IS NECESSARY TO REMOVE PAINT, IT SHALL BE DONE BY MEANS WHICH WILL NOT DAMAGE THE UNDERLYING SURFACE OF THE PAVEMENT. WHEN NECESSARY TO CORRECT A DEVIATION WHICH EXCEEDS THE PERMISSIBLE TOLERANCE IN ALIGNMENT, THAT PORTION OF THE STRIPE AFFECTED SHALL BE REMOVED AND REPAINTED IN ACCORDANCE WITH THESE
- B. CORRECTIVE DEVICES: MIS-ALIGNMENT, DEFECTIVE SURFACES, ETC, SHALL BE CORRECTED BY CHEMICAL AGENTS, OR BY ANY OTHER TYPE OF MECHANICAL DEVICE, WHICH WILL EFFECTIVELY REMOVE THE PAINT WITHOUT DAMAGE TO THE PAVEMENT SURFACE, OR WHICH WILL NOT PREVENT THE RE-APPLICATION OF MARKINGS.

- A. PROVIDE THE OWNER WITH A MINIMUM OF FIVE (5) GALLONS OF TRAFFIC PAINT FROM THE SAME BATCH USED IN APPLICATION OF PAVEMENT MARKINGS. ALSO PROVIDE PAINT SPECIFICATIONS AND THE MANUFACTURER'S IDENTIFICATION
- NUMBER OF THE PAINT USED. I-10 MARKING TYPF A. ANY PAVEMENT MARKINGS LOCATED WITHIN PUBLIC RIGHTS-OF-WAY SHALL BE THERMOPLASTIC UNLESS OTHERWISE
- INDICATED. B. ANY PAVEMENT MARKINGS LOCATED ON-SITE SHALL BE PAINT UNLESS OTHERWISE INDICATED.

THE FOLLOWING ARE THE ALLOWABLE DEVIATIONS FROM PROJECT DESIGN GRADES AND GRADIENTS. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONFIRM AND DOCUMENT COMPLIANCE WITH THESE TOLERANCES PRIOR TO PROCEEDING FROM ONE PHASE OF CONSTRUCTION TO THE NEXT: I. STORMWATER MANAGEMENT/DRAINAGE FACILITIES

A. <u>PERIMETER CONTAINMENT BERM</u>: MAXIMUM ELEVATION = DESIGN GRADE + 0.10 FOOT

- B. WATER CONTROL STRUCTURE: MINIMUM GRATE ELEVATION = DESIGN GRADE MAXIMUM GRATE ELEVATION = DESIGN GRADE + 0.10 FOOT
- 2. MINIMUM CREST ELEVATION = DESIGN GRADE MAXIMUM CREST ELEVATION = DESIGN GRADE + 0.05 FOOT
- MAXIMUM BLEEDER ELEVATION = DESIGN GRADE + 0.05 FOOT 4. MINIMUM TOP OF FILTER ELEVATION = DESIGN GRADE
- MAXIMUM TOP OF FILTER ELEVATION = DESIGN GRADE + 0.05 FOOT C. CATCH BASINS/INLETS/PIPE INVERTS: 1. MINIMUM ELEVATION = DESIGN GRADE - 0.05 FOOT
- MAXIMUM ELEVATION = DESIGN GRADE + 0.05 FOOT
- D. SWALE GRADES/GRADIENTS: 1. MINIMUM ELEVATION = DESIGN GRADE - 0.10 FOOT MAXIMUM FLEVATION = DESIGN GRADE + 0.10 FOOT
- 2. MINIMUM FLOWLINE GRADIENT = 90% OF DESIGN GRADIENT E. PAVEMENT GRADES/GRADIENTS:
- 1. FLEXIBLE PAVEMENT GRADE: MINIMUM ELEVATION = DESIGN GRADE - 0.10' MAXIMUM ELEVATION = DESIGN GRADE + 0.10 FOOT
- 2. FLEXIBLE PAVEMENT GRADIENT = 90% OF DESIGN GRADIENT (CROSS SLOPE AND LONGITUDINAL SLOPE) 3. RIGID (CONCRETE) PAVEMENT GRADE:

BY LOCAL CODES)

- MINIMUM ELEVATION = DESIGN GRADE 0.05 FOOT MAXIMUM ELEVATION = DESIGN GRADE + 0.05 FOOT 4. RIGID PAVEMENT GRADIENTS:
 - MINIMUM GRADIENTS = 90% OF DESIGN GRADIENT (CROSS SLOPE AND LONGITUDINAL SLOPE) MAXIMUM HANDICAP RAMP = 15:1 (GRADIENT UNLESS OTHERWISE SPECIFIED
- II. <u>STORMWATER MANAGEMENT/DRAINAGE FACILITIES</u> UNLESS OTHERWISE SPECIFIED BY THE LOCAL UTILITY COMPANIES, THE FOLLOWING ARE THE ALLOWABLE TOLERANCES FOR THESE ACTIVITIES:
- A. MANHOLES AND PIPE INVERTS: 1. MINIMUM ELEVATION = DESIGN GRADE - 0.05 FOOT MAXIMUM ELEVATION =
- DESIGN GRADE + 0.05 FOOT 2. MINIMUM LINE GRADIENT = 90% OF DESIGN GRADIENT
- B. ALIGNMENT/LOCATION OF APPURTENANCES: AS ALLOWED BY THE APPLICABLE UTILITY AND/OR LOCAL GOVERNMENTAL ENTITY. CONTRACTOR SHALL CONFIRM AND DOCUMENT THIS PRIOR TO CONSTRUCTION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING, COORDINATING, DOCUMENTING, AND PROVIDING THE FOLLOWING

TEST SAMPLES SHALL BE TAKEN AT ALL BRANCH LINE TERMINATION POINTS OR CONNECTION POINTS, AND ALONG THE MAIN LINES AT DISTANCES NOT TO EXCEED 1,500 FEET. ALL HYDRANTS AND VALVES SHALL BE OPERATED TO TES PERFORMANCE. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 36 HOURS NOTICE TO THE ENGINEER OF RECORD PRIOR WASTEWATER COLLECTION — UNLESS OTHERWISE SPECIFIED BY THE UTILITY COMPANY, THE FORCE MAIN SHALL BE PRESSURE TESTED TO THE RATING OF THE PIPE. VALVES SHALL BE OPERATED TO TEST PERFORMANCE. DEPENDING UPON WATER TABLE CONDITIONS DETERMINED BY THE ENGINEER, THE GRAVITY LINES SHALL BE TESTED FOR EITHER INFILTRATION

WATER DISTRIBUTION - UNLESS OTHERWISE SPECIFIED BY THE UTILITY COMPANY, THE LINES SHALL BE PRESSURE TESTED

O THE RATING OF THE PIPE. THE LINES SHALL BE TESTED IN SEGMENTS BETWEEN MAINLINE VALVES. BACTERIOLOGICAL

OR EXFILTRATION AND INFLOW. THERE SHALL BE NO INFILTRATION/EXFILTRATION OR INFLOW ALLOWED. THE CONTRACTOR SHALL SEAL ANY PIPE, FITTING OR MANHOLE AS REQUIRED. THE CONTRACTOR SHALL PROVIDE A VIDEO TAPE OF ALL MAIN GRAVITY LINES ALONG WITH A LOG OF LATERAL LOCATIONS. ALL ELECTRICAL AND MECHANICAL DEVICES AT LIFT STATIONS SHALL BE TESTED TO VERIFY PROPER OPERATIONAL STATUS. THE CONTRACTOR SHALL PROVIDE MAINTENANCE MANUALS TO THE OWNER. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 36 HOURS NOTICE TO THE ENGINEER OF RECORD PRIOR TO PRIVATE ROADWAY/PARKING SUBGRADE - THE SUBGRADE SHALL BE TESTED FOR THE LBR VALUE AT A FREQUENCY OF

BE MEASURED AT EACH DENSITY TEST LOCATION. A PROFESSIONAL ENGINEER'S CERTIFICATION OF COMPLIANCE SHALL BE PRIVATE ROADWAY/PARKING BASE - THE BASE SHALL BE TESTED FOR THE LBR VALUE AT A FREQUENCY OF ONE PER 10,000 SF. DENSITY TESTS SHALL BE PERFORMED AT A FREQUENCY OF TWO PER 10,000 SF. A SIEVE ANALYSIS SHALL BE

PERFORMED AT A FREQUENCY OF ONE PER ACRE. THICKNESS SHALL BE MEASURED AT EACH DENSITY TEST LOCATION. A

ONE PER 10,000 SF. DENSITY TESTS SHALL BE PERFORMED AT A FREQUENCY OF TWO PER 10,000 SF. THICKNESS SHALL

PRIVATE ASPHALT PAVING - ASPHALTIC CONCRETE SHALL BE TESTED FOR THE FOLLOWING PARAMETERS: THICKNESS, SIEVE ACRE. A PROFESSIONAL ENGINEER'S CERTIFICATION OF COMPLIANCE SHALL BE PROVIDED BY THE TESTING LAB.

PUBLIC ROADWAYS - AS REQUIRED BY THE ENTITY HAVING JURISDICTION. THE CONTRACTOR SHALL DETERMINE AND

PROFESSIONAL ENGINEER'S CERTIFICATION OF COMPLIANCE SHALL BE PROVIDED BY THE TESTING LAB.

DOCUMENT THESE SPECIFICATIONS PRIOR TO BIDDING. PORTLAND CEMENT CONCRETE — CONCRETE SHALL BE TESTED FOR THE FOLLOWING PARAMETERS: SLUMP, MODULUS OF RUPTURE, AND 7 AND 28 DAY COMPRESSIVE STRENGTH. TESTS SHALL BE PERFORMED ON SAMPLES TAKEN AT THE SITE

DRAWDOWN AND CAPACITY TEST OF THE FACILITIES. THE CONTRACTOR SHALL PROVIDE SUFFICIENT WATER AND

AT A FREQUENCY OF TWO PER ACRE. A PROFESSIONAL ENGINEER'S CERTIFICATION OF COMPLIANCE SHALL BE PROVIDED BY

RETENTION / DETENTION FACILITIES A. IF INCLUDED WITHIN THE PROJECT, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND PERFORM A

B. IF A FILTRATION SYSTEM IS INCLUDED WITHIN THE PROJECT, THE FILTER MEDIA SHALL BE TESTED FOR COMPLIANCE WITH ALL CURRENT SPECIFICATIONS OF THE WATER MANAGEMENT DISTRICT. A PROFESSIONAL ENGINEER'S CERTIFICATION OF COMPLIANCE SHALL BE PROVIDED BY THE TESTING LAB.

IN ADDITION TO THE ENVIRONMENTAL PROTECTION DURING CONSTRUCTION SPECIFICATIONS, THE CONTRACTOR SHALL

ACCEPTABLE MEANS TO MEASURE THE WATER VOLUMES PROVIDED.

OUTFALL CONTROL STRUCTURE AND FILTRATION SYSTEM IF INCLUDED.

9. NOTIFY THE OWNER FOR FINAL INSPECTION.

PERFORM THE FOLLOWING IN THE ORDER LISTED: 1. PRIOR TO COMMENCEMENT, PROVIDE NOTIFICATION TO THE ENVIRONMENTAL PROTECTION AGENCY (EPA) FOR N.P.D.E.S. PERMIT, THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT AND LOCAL GOVERNMENT. 2. ERECT A TURBIDITY SCREEN ON ANY DOWNSTREAM SYSTEM WHICH RECEIVES RUNOFF FROM THE PROJECT. INSTALL

3. PROVIDE A TEMPORARY FILTER CLOTH COVERED WITH GRAVEL OVER ANY PROPOSED FILTERS.

- 4. INSTALL A TEMPORARY TURBIDITY SCREEN AT ALL CONTROL STRUCTURES. 5. CONSTRUCT A TEMPORARY PERIMETER BERM AS NECESSARY TO DIRECT ALL RUNOFF WITHIN ANY AREA PLANNED FO 6. MAINTAIN FILTER DURING CONSTRUCTION TO PROVIDE CONTINUOUS OPERATION.
- 7. UPON PERFORMING FINAL GRADING, THE CONTRACTOR SHALL REMOVE ALL SILTS, CLAYS AND OTHER DELETERIOUS MATERIAL FROM THE BOTTOM OF ALL STORMWATER MANAGEMENT AREAS PRIOR TO GRASSING 8. AFTER ACHIEVING A NON-ERODIBLE COVER OF GRASS, REMOVE TEMPORARY FILTER CLOTH AND GRAVEL OVER FILTERS AND REPLACE WITH NEW FILTER CLOTH AND COVER MATERIAL IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
- 10.UPON FINAL APPROVAL FROM THE OWNER, REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL FACILITIES. POLLUTION CONTROL NOTE
- A. OWNER/ CONTRACTOR OUR RESPONSIBLE FOR OBTAINING N.P.D.S. PERMIT PRIOR TO START OF ANY ON-SITE or OFF-SITE CONSTRUCTION ACTIVITY FOR PROJECTS GREATER THAN (1) ACRE. B. FAILURE TO OBTAIN THIS PERMIT PRIOR TO START OF CONSTRUCTION ACTIVITY MAY RESULT IN STOP WORK ORDER, FINES AND FEDERAL LEGAL ACTION.

- HISTORIC ARTIFACTS

 1. IF PREHISTORIC OR HISTORIC ARTIFACTS, SUCH AS POTTERY OR CERAMICS, STONE TOOLS OR METAL IMPLEMENTS, DUGOUT CANOES, OR ANY OTHER PHYSICAL REMAINS THAT COULD BE ASSOCIATED WITH NATIVE AMERICAN CULTURES. OR EARLY COLONIAL OR AMERICAN SETTLEMENT ARE ENCOUNTERED AT ANY TIME WITHIN THE PROJECT SITE AREA, THE PERMITTED PROJECT SHOULD CEASE ALL ACTIVITIES INVOLVING SUBSURFACE DISTURBANCE IN THE IMMEDIATE VICINITY OF
- SUCH DISCOVERIES 2. THE PERMITTEE, OR OTHER DESIGNEE, SHOULD CONTACT THE FLORIDA DEPARTMENT OF STATE, DIVISION OF HISTORICAL RESOURCES, REVIEW AND COMPLIANCE SECTION RAVI DEVAGUPTAPU, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 53150 AT (850)245-6333 OR (800)847-7278, AS WELL AS THE APPROPRIATE PERMITTING OFFICE. PROJECT ACTIVITIES SHOULD NOT RESUME WITHOUT VERBAL THIS ITEM HAS BEEN DIGITALLY SIGNED AND AND/OR WRITTEN AUTHORIZATION FROM THE DIVISION OF HISTORICAL RESOURCES.

3. IN THE EVENT THAT UNMARKED HUMAN REMAINS ARE ENCOUNTERED DURING

PERMITTED ACTIVITIES, ALL WORK SHALL STOP IMMEDIATELY AND THE PROPER AUTORITIES NOTIFIED IN ACCORDANCE WITH SECTION 872.05, FLORIDA STATUTES. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY

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Digitally signed by Ravi

SEALED BY RAVI DEVAGUPTAPU ON THE DATE

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MINIMUM ELEVATION = DESIGN GRADE 3. MINIMUM BLEEDER ELEVATION = DESIGN GRADE

Sports

ESIGN FOR PERFORMANCE FTE Sports 8250 Pascal Drive Punta Gorda, FL 33950 Office: 941.961.7560

Professional Land Surveying Masteller, Moler &Talyor, Inc. 1655 27th Street, Suite2 Vero Beach, FL 32960

CA00007924

Office: 772.564.8050 **FAWLEY BRYANT**

ARCHITECTURE

5391 Lakewood Ranch Blvd. N Suite 300 Lakewood Ranch, FL 34240 Office: 941.343.4070

> PERMIT **DOCUMENTS**



STATE OF FLORIDA

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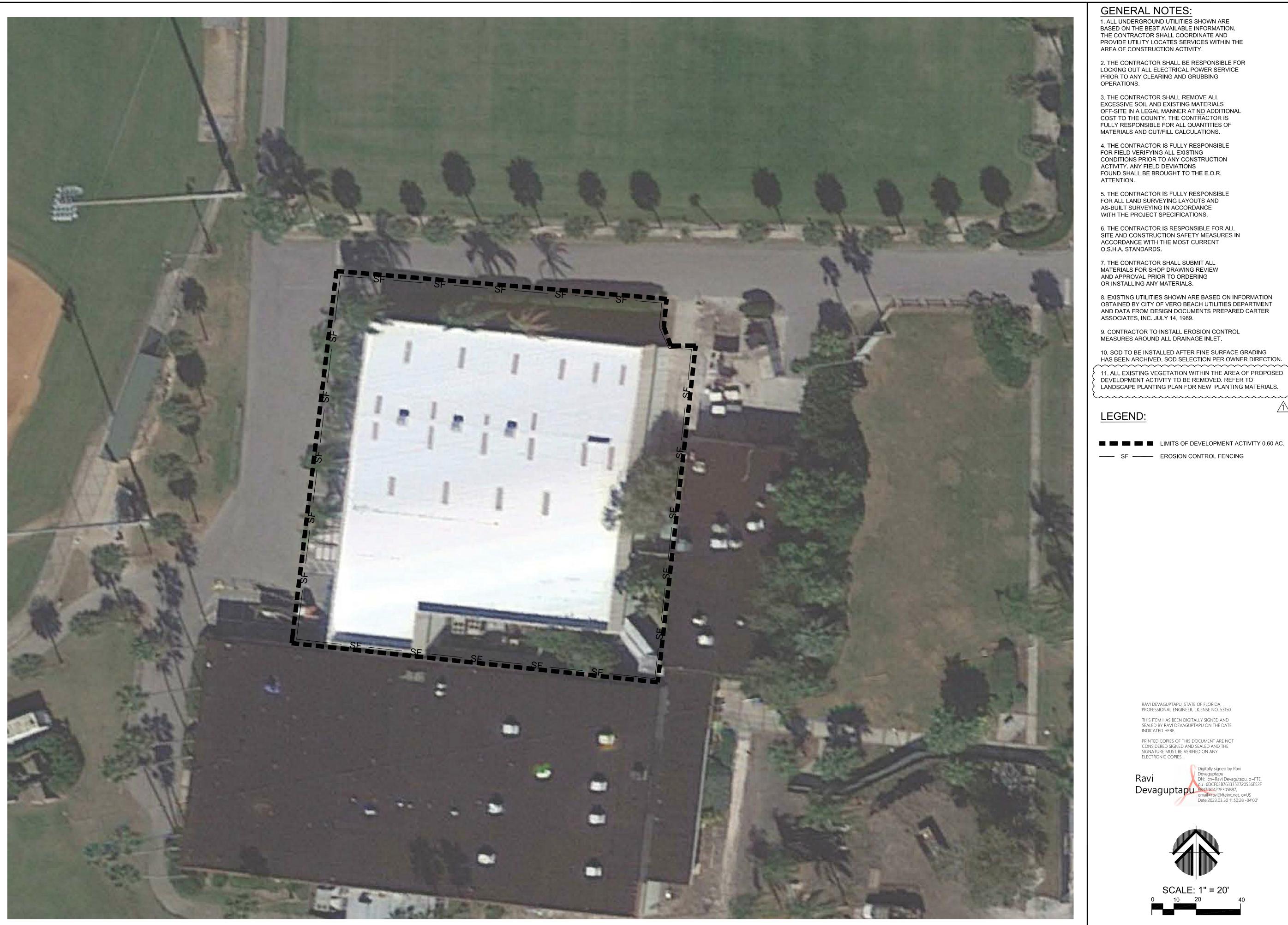
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CH, FL 32960

JACKIE ROB
TRAINING CC
EXECUTIVE B
MAJOR LEAGUE
3901 26TH S
VERO BEACH, F

SHEET NUMBER



GENERAL NOTES:

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10. SOD TO BE INSTALLED AFTER FINE SURFACE GRADING HAS BEEN ARCHIVED. SOD SELECTION PER OWNER DIRECTION. 11. ALL EXISTING VEGETATION WITHIN THE AREA OF PROPOSED DEVELOPMENT ACTIVITY TO BE REMOVED. REFER TO LANDSCAPE PLANTING PLAN FOR NEW PLANTING MATERIALS.

LEGEND:

LIMITS OF DEVELOPMENT ACTIVITY 0.60 AC.

ravi devaguptapu, state of florida, professional engineer, license no. 53150

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY RAVI DEVAGUPTAPU ON THE DATE INDICATED HERE.

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Devaguptapu 6847DC422E305B87,

Ravi

Digitally signed by Ravi

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Date:2023.03.30 11:50:28 -04'00'

— SF — EROSION CONTROL FENCING

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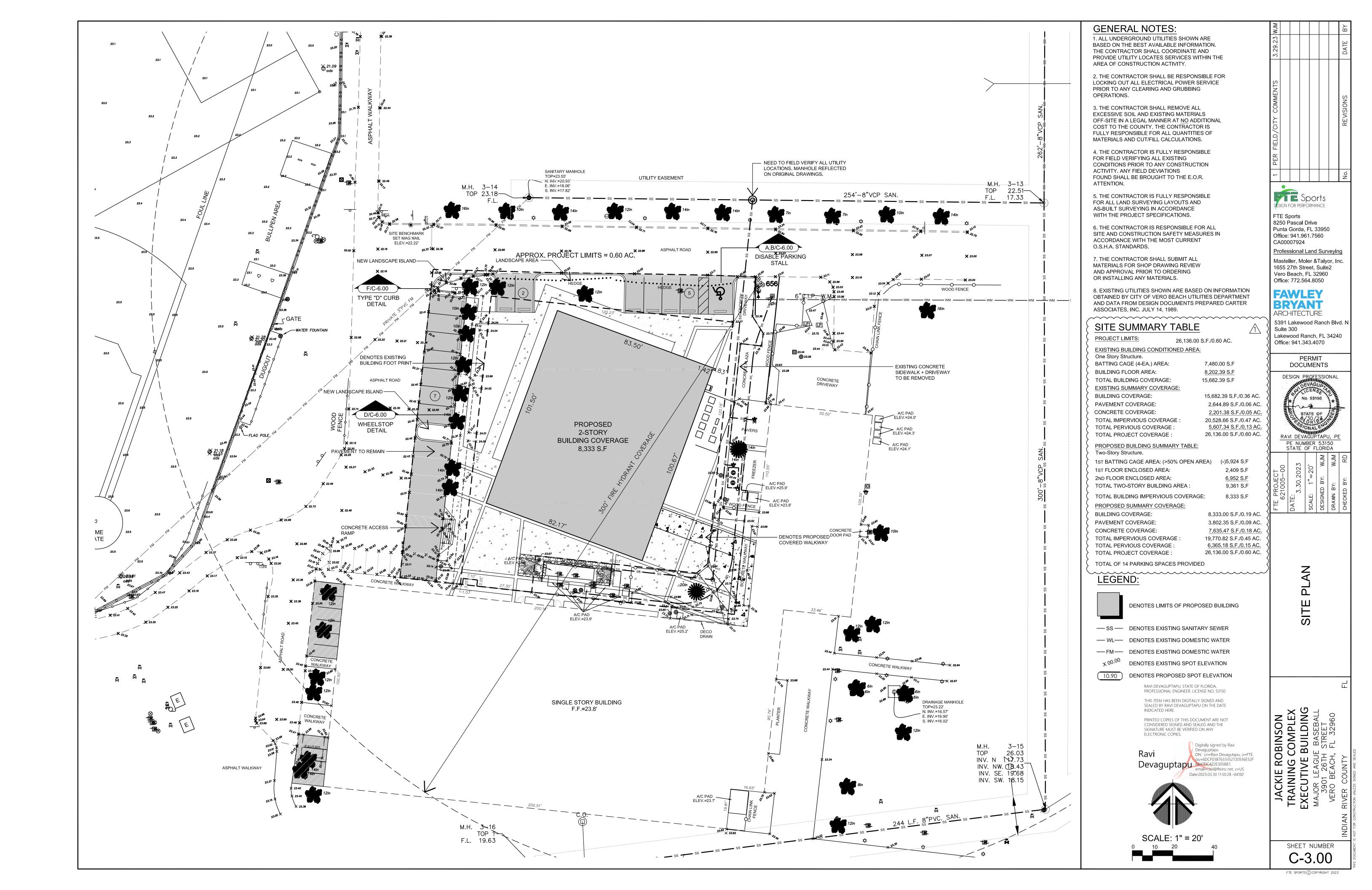
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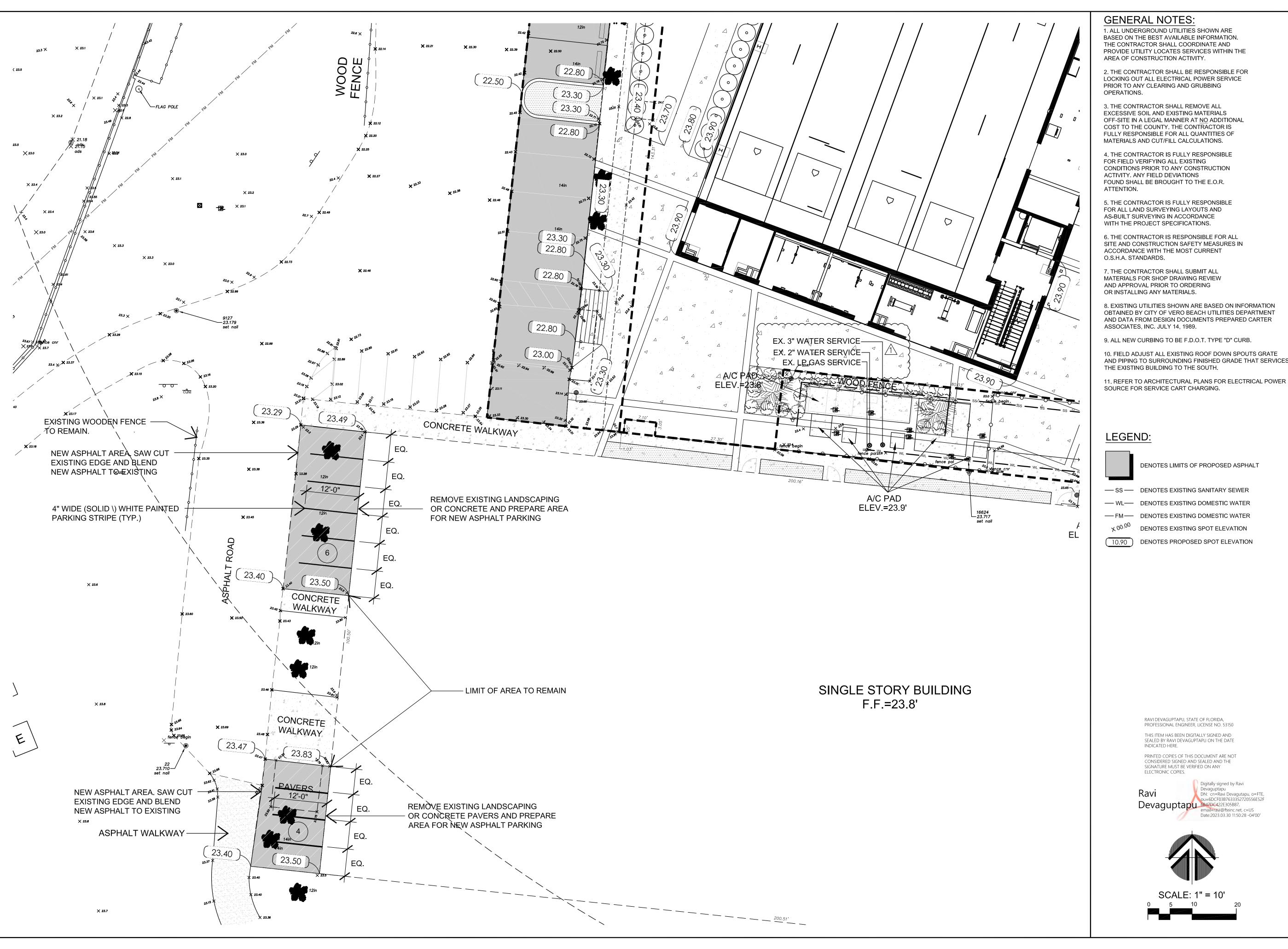
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FTE Sports 8250 Pascal Drive

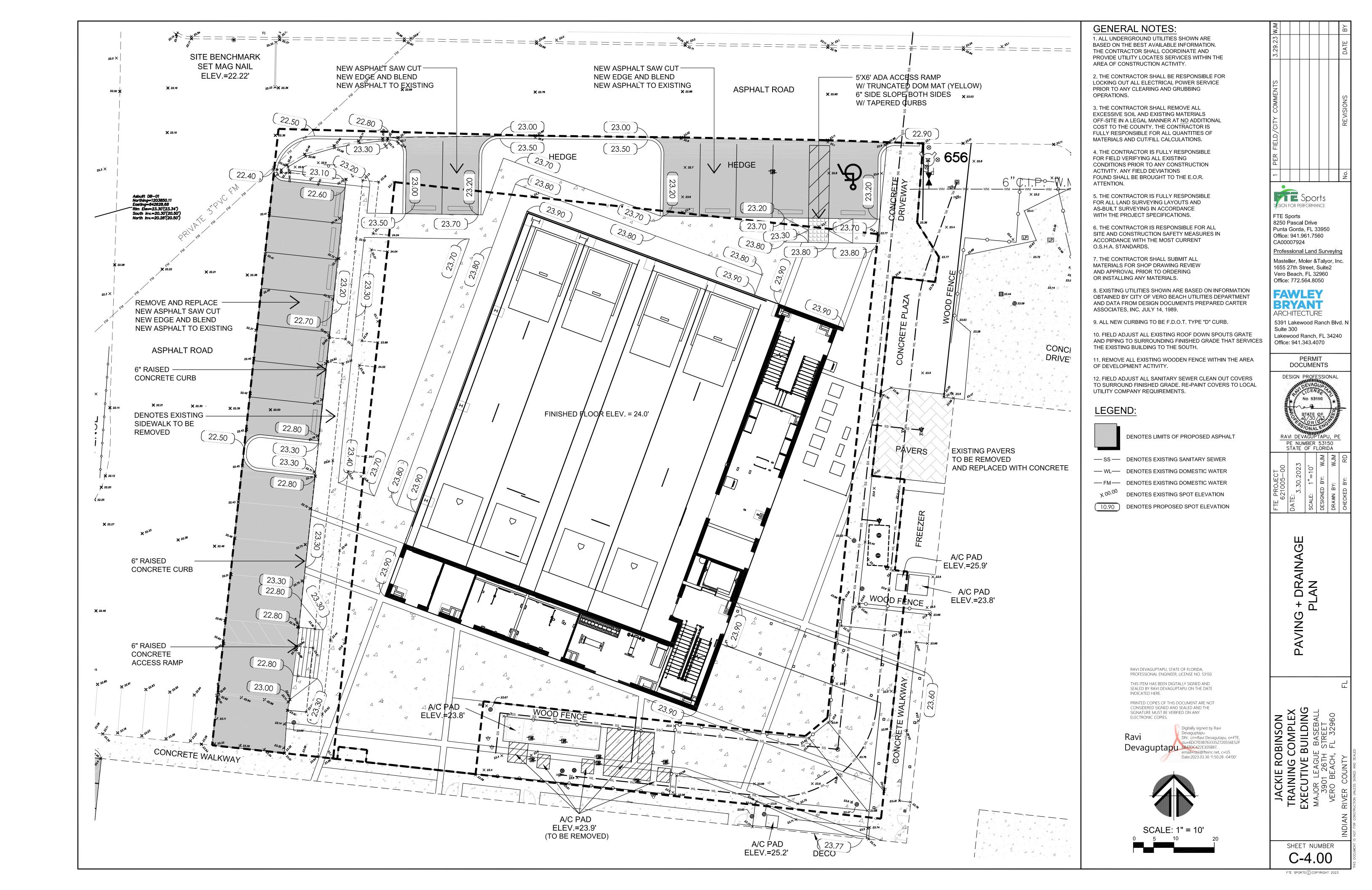
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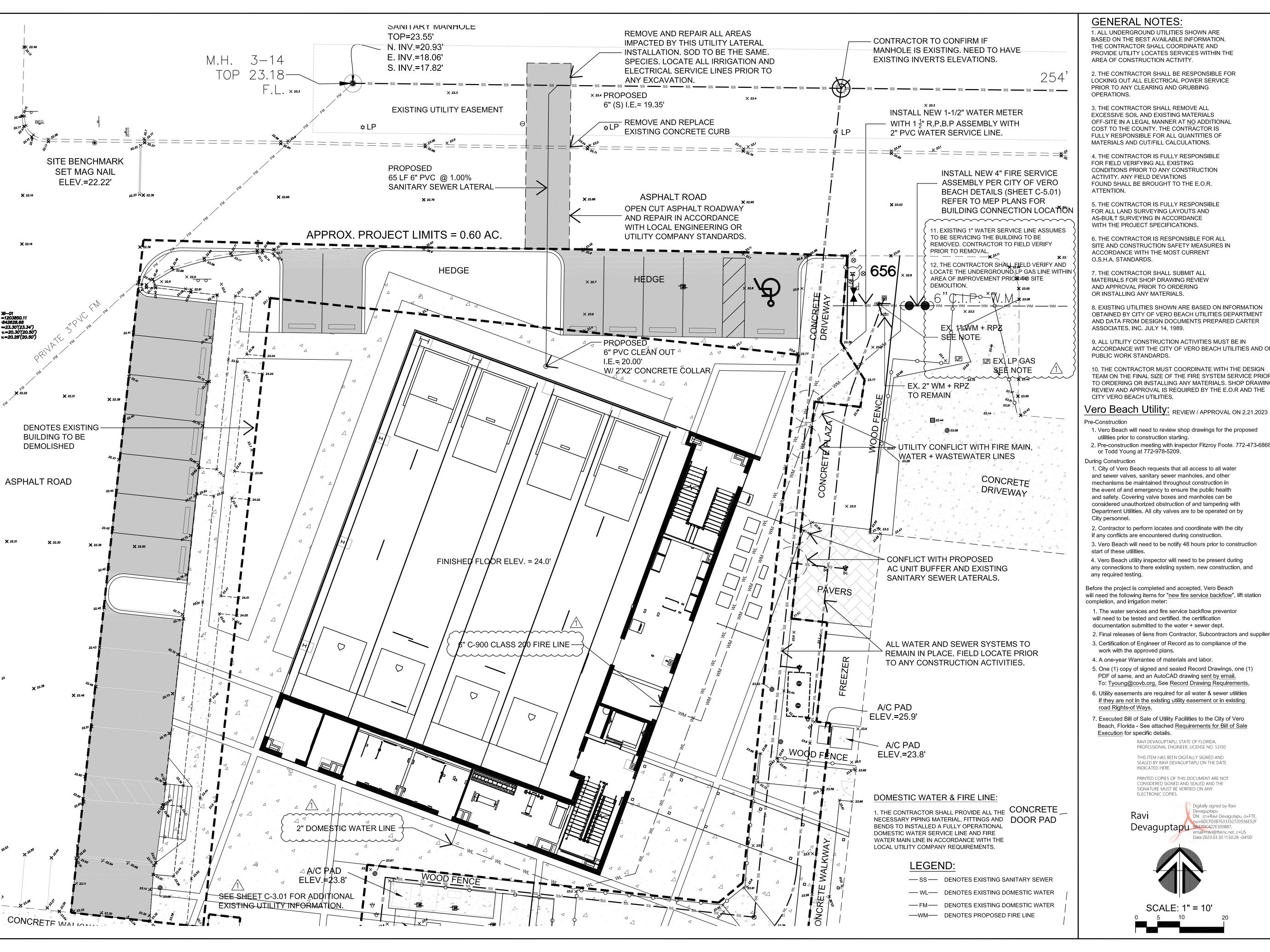
AND PIPING TO SURROUNDING FINISHED GRADE THAT SERVICES

JACKIE ROBINSON
TRAINING COMPLEX
EXECUTIVE BUILDING
MAJOR LEAGUE BASEBALL
3901 26TH STREET
VERO BEACH, FL 32960

SHEET NUMBER C-3.01

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OBTAINED BY CITY OF VERO BEACH UTILITIES DEPARTMENT AND DATA FROM DESIGN DOCUMENTS PREPARED CARTER

ACCORDANCE WIT THE CITY OF VERO BEACH UTILITIES AND OR

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2. Pre-construction meeting with inspector Fitzroy Foote. 772-473-6868

will need the following items for "new fire service backflow", lift station

2. Final releases of liens from Contractor, Subcontractors and suppliers.

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No 53150

RAVI DEVAGUPTAPU, PE

PE NUMBER 53150 STATE OF FLORIDA

WAST PLAN

COMPLEX BUILDING

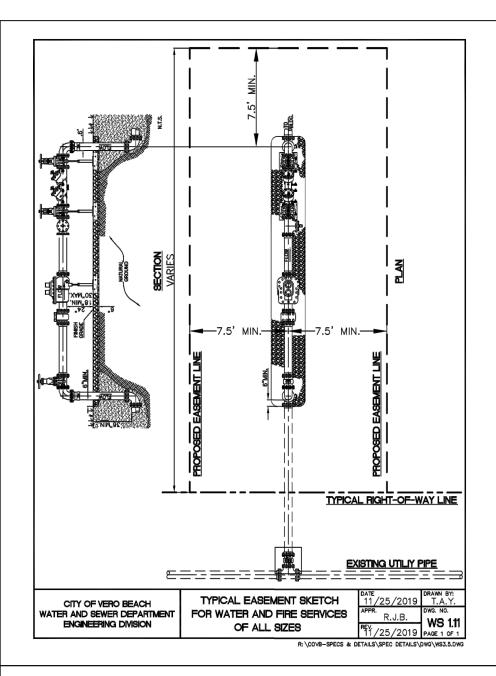
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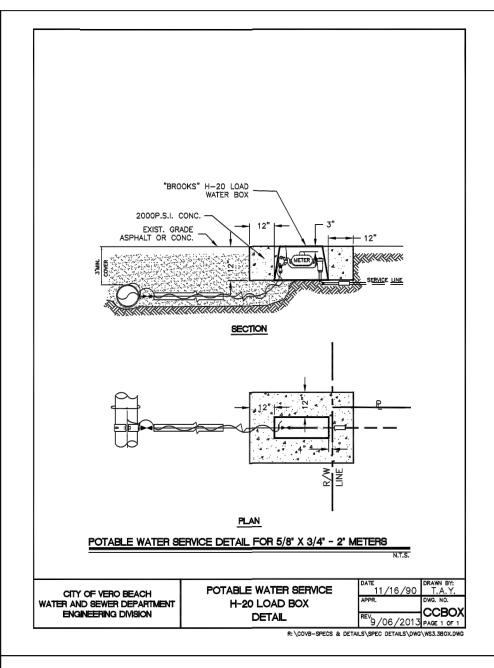
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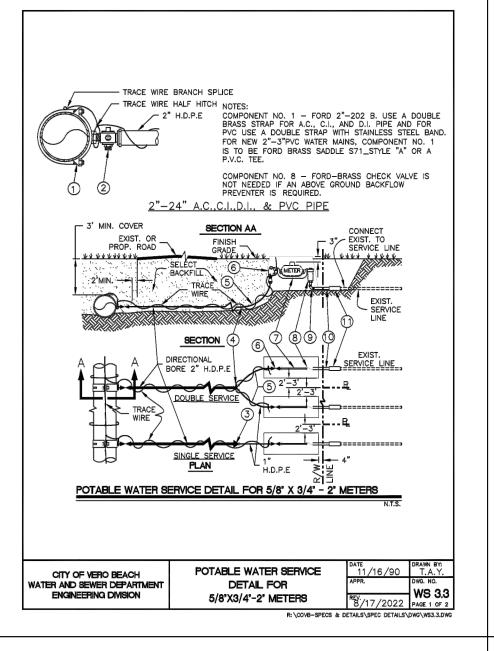
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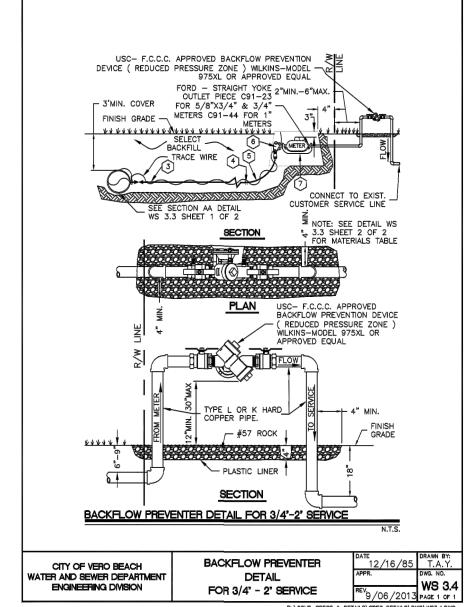
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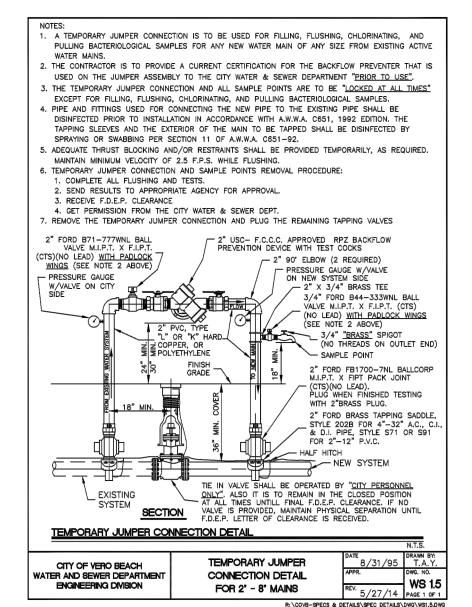
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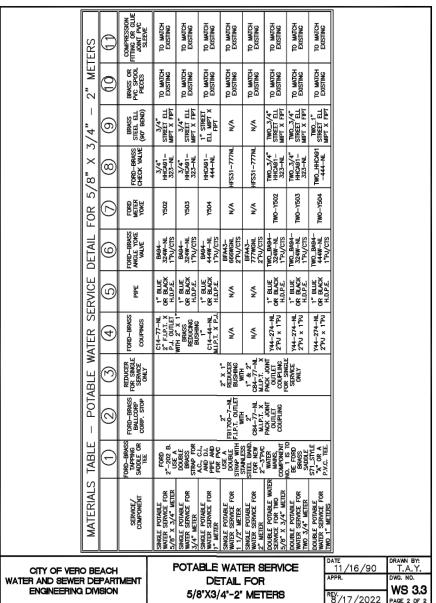


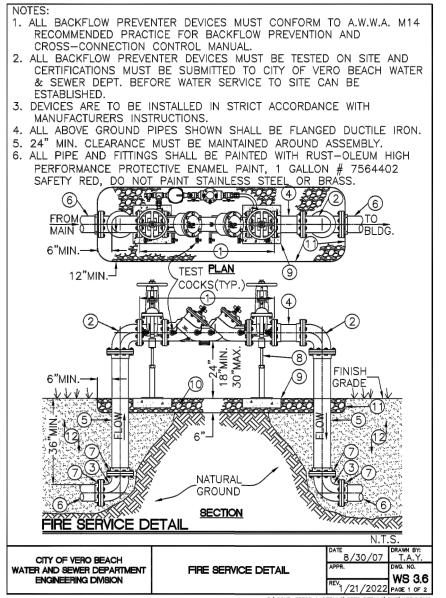


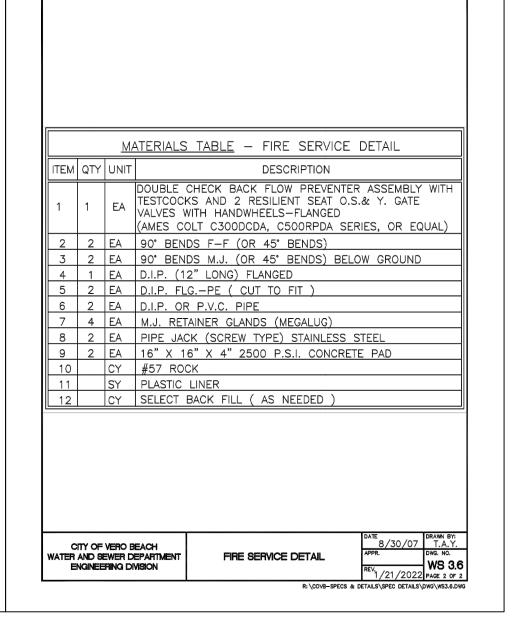


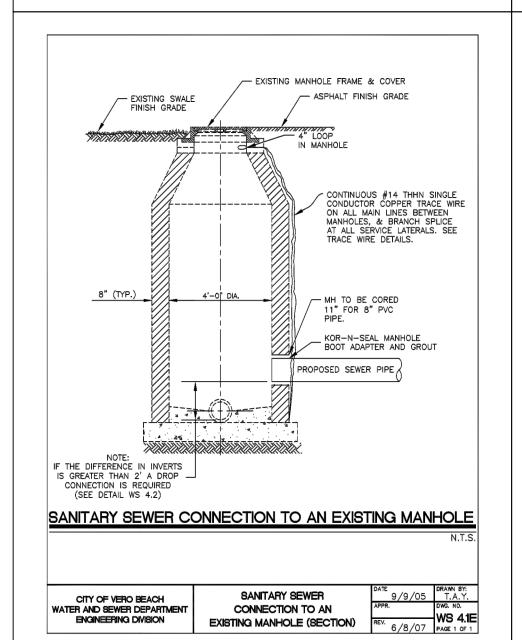


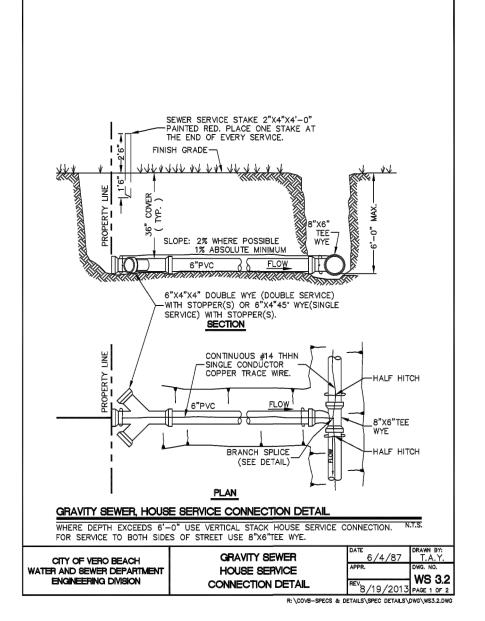














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9. ALL UTILITY CONSTRUCTION ACTIVITIES MUST BE IN ACCORDANCE WIT THE CITY OF VERO BEACH UTILITIES AND OR PUBLIC WORK STANDARDS.

Vero Beach Utility:

Pre-Construction

- 1. Vero Beach will need to review shop drawings for the proposed utilities prior to construction starting.
- 2. Also have a pre-construction meeting.

During Construction

- 1. City of Vero Beach requests that all access to all water and sewer valves, sanitary sewer manholes, and other mechanisms be maintained throughout construction in the event of and emergency to ensure the public health and safety. Covering valve boxes and manholes can be considered unauthorized obstruction of and tampering with Department Utilities. All city valves are to be operated on by City personnel.
- 2. Contractor to perform locates and coordinate with the city if any conflicts are encountered during construction. 3. Vero Beach will need to be notify 48 hours prior to construction
- start of these utilities. 4. vero Beach utility inspector will need to be present during any connections to there existing system, new construction, and any required testing.

Before the project is completed and accepted, Vero Beach will need the following items for new fiire service, lift station completion, and irrigation meter:

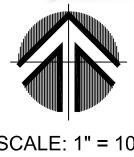
1. The water services and fire service backflow preventor will need to be tested and certified, the certification documentation submitted to the water + sewer dept.

- 2. Final releases of liens from Contractor, Subcontractors and suppliers. 3. Certification of Engineer of Record as to compliance of the work with the approved plans.
- 4. A one-year Warrantee of materials and labor.
- 5. One (1) copy of signed and sealed Record Drawings, one (1) PDF of same, and an AutoCAD drawing sent by email. To: Tyoung@covb.org, See Record Drawing Requirements.
- 6. Utility easements are required for all water & sewer utilities if they are not in the existing utility easement or in existing road Rights-of Ways.
- 7. Executed Bill of Sale of Utility Facilities to the City of Vero Beach, Florida - See attached Requirements for Bill of Sale Execution for specific details.

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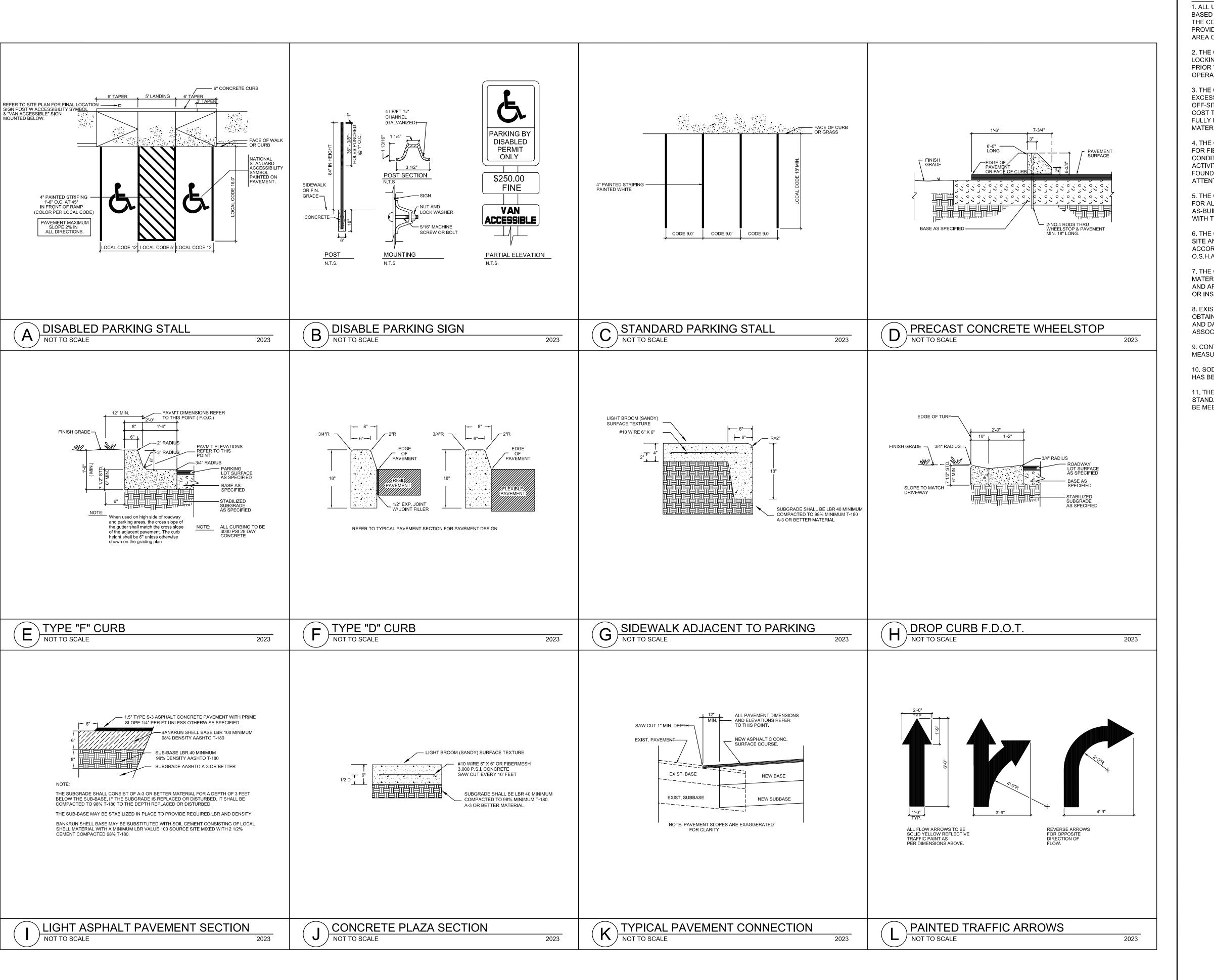
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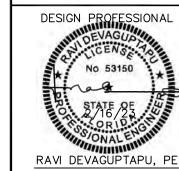
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Digitally signed by Ravi Devaguptapu DN: cn=Ravi Devagutapu, o=FTE, Ravi Devaguptapu 6847DC422E305B87, email=ravi@fteinc.net, c=US Date:2023.02.16 11:50:28 -04'00'