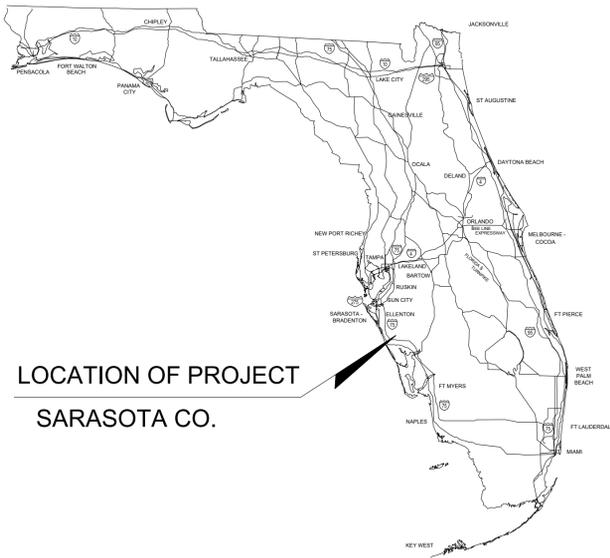
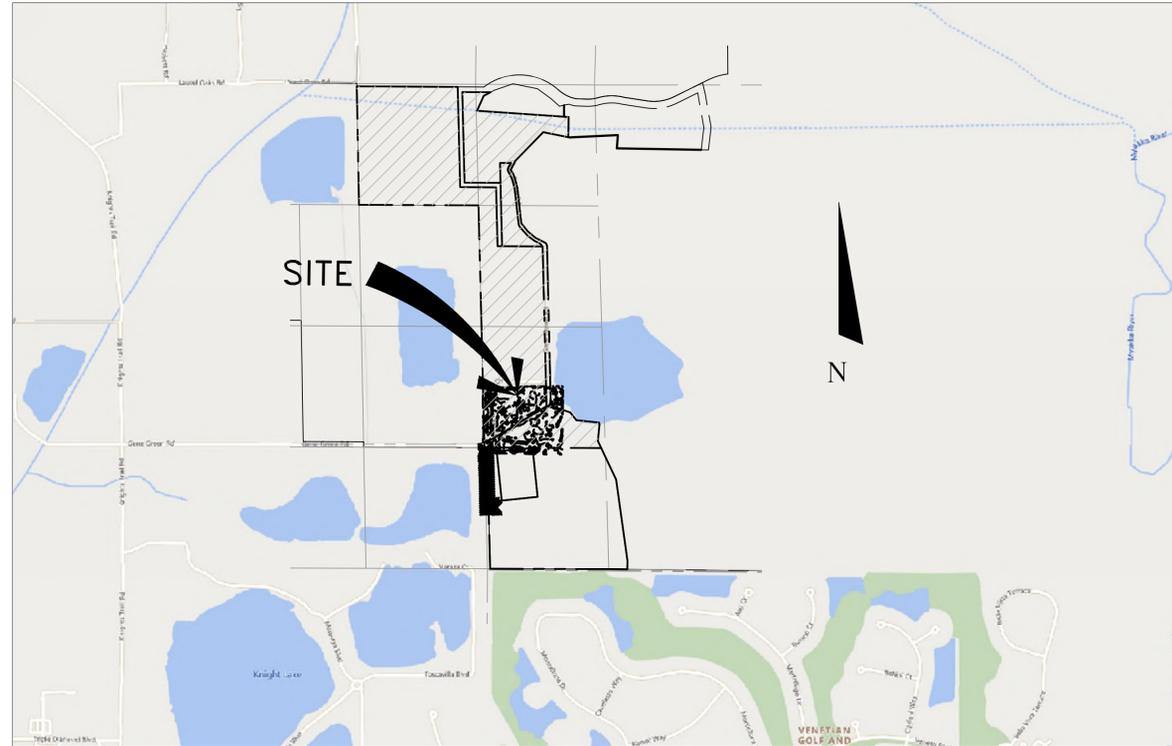




AJAX PAVING INDUSTRIES OF FLORIDA, LLC AJAX CONCRETE PROCESSING - NOKOMIS Site and Development Plans



LOCATION OF PROJECT
SARASOTA CO.



LOCATION MAP
SECTION 22, TOWNSHIP 38S, RANGE 19E

INDEX OF DRAWINGS

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FLOOD MAPS

12115C 0244 F, DATED 11/04/2016
12115C 0245 F, DATED 11/04/2016

CONSTRUCTION STANDARDS NOTE:

- ALL CONSTRUCTION MUST MEET THE MINIMUM DESIGN STANDARDS OF THE LATEST VERSION OF THE CITY STANDARD DETAILS. WHERE CONFLICTS EXIST BETWEEN THE APPROVED CONSTRUCTION PLANS AND THE SPECIFICATIONS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER FOR CLARIFICATION PRIOR TO ORDERING MATERIALS OR INITIATING CONSTRUCTION OF THE ITEM WITH POTENTIAL CONFLICTS

REQUIRED NOTES:

- A SEPARATE BUILDING PERMIT MUST BE APPLIED FOR AND ISSUED FOR EVERY SIGN, WALL, OUTDOOR LIGHTING AND STRUCTURE ON THE SITE. THE APPROVAL OF THESE PLANS DOES NOT EXEMPT THE CONTRACTOR FROM OBTAINING THE NECESSARY BUILDING PERMITS.
- ALL WORK CONDUCTED IN THE CITY OF VENICE RIGHT-OF-WAY (ROW) WILL REQUIRE THE ISSUANCE OF A ROW PERMIT.
- ALL WORK CONDUCTED IN SARASOTA COUNTY AND/OR FDOT RIGHT-OF-WAY (ROW) SHALL REQUIRE THE A COPY OF THE ISSUED PERMITS.
- TREE REMOVAL PERMIT MUST BE OBTAINED FROM CITY OF VENICE.
- POST DEVELOPMENT RUNOFF DOES NOT EXCEED PRE-DEVELOPMENT RUNOFF VOLUME OR RATE FOR A 24-HOUR, 25-YEAR STORM EVENT.
- ALL FIRE SERVICE BACKFLOW ASSEMBLIES SHALL BE INSTALLED BY A CERTIFIED CONTRACTOR WITH A CLASS I, II, OR V CERTIFICATE OF COMPETENCY ISSUED BY THE STATE FIRE MARSHALL AS PER F.S. 633.521.
- CONSTRUCTION SITE MUST BE POSTED WITH 24-HOUR CONTACT INFORMATION.
- ALL UTILITIES, WHETHER PUBLIC OR PRIVATE, SHALL MEET CITY OF VENICE STANDARDS.
- CONTACT PUBLIC WORKS SOLID WASTE DIVISION (941-486-2422) FOR APPROVAL OF DUMPSTER LOCATION AND LAYOUT PRIOR TO CONSTRUCTION.
- ALL ONSITE UTILITIES WILL BE PRIVATELY OWNED AND MAINTAINED.
- NO CLEARING WITH HEAVY EQUIPMENT, FILLING OR PLACEMENT OF IMPROVEMENTS OR UTILITY LINE SHALL OCCUR WITHIN THE PROJECT ROOT ZONE OF ANY CANOPY TREE TO BE SAVED. PRE SECTION 54-588 (1)(B) OF SARASOTA COUNTY CODE. THE PROTECTED ROOT ZONE IS DEFINED BY THE DRIP LINE OF THE TREE. ONLY HAND CLEARING OR MOWING IS PERMITTED WITHIN THE PROTECTED ROOT ZONE OF CANOPY TREES TO BE SAVED BY THE ADMINISTRATOR.

OWNERSHIP AND UNIFIED CONTROL STATEMENT

AJAX PAVING INDUSTRIES OF FLORIDA, LLC
HAS OWNERSHIP - UNIFIED CONTROL
OF ALL PROPERTIES DESCRIBED HEREIN

PLANS PREPARED BY:

Fisher Engineering
CIVIL ENGINEERING CONSULTANTS

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This item has been digitally signed and sealed by Robert G. Fisher, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



THE WATER AND SEWER SERVICE WILL BE PROVIDED BY
WATER: CITY OF VENICE UTILITY
SEWER: CITY OF VENICE UTILITY

SOLID WASTE WILL BE PROVIDED BY
CITY OF VENICE UTILITY

REVISIONS:

DATE	DESCRIPTION

ENGINEER'S CERTIFICATE OF COMPLIANCE:
I HEREBY CERTIFY THAT THE DESIGN OF THIS PROJECT, AS PREPARED UNDER MY PERSONAL DIRECTION AND CONTROL, COMPLIES WITH ALL APPLICABLE STANDARDS INCLUDING THE "MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS", AS APPLICABLE, AS ADOPTED BY THE FLORIDA DEPT. OF TRANSPORTATION PURSUANT TO SUBSECTIONS 335.075(1) AND (4), FLORIDA STATUTES.

X	DATE
	ROBERT G. FISHER P.E. FLORIDA LIC. NO. 58839 C.A. NO. 31696

GENERAL NOTES:

1. THE REQUIREMENTS OF THE LOCAL JURISDICTION UTILITIES STANDARD SPECIFICATIONS AND STANDARD DETAILS SHALL GOVERN ALL UTILITY WORK. WHERE A CONFLICT EXISTS IN THE REQUIREMENTS OF A REFERENCED MATERIAL OR INSTALLATION STANDARD, THE REQUIREMENTS OF THE LOCAL JURISDICTION UTILITIES SHALL PREVAIL. WHERE THE REQUIREMENTS OF A STATE OR LOCAL AGENCY HAVING JURISDICTION ARE MORE STRINGENT, THOSE REQUIREMENTS SHALL PREVAIL.

2. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE, AT ALL TIMES, ONE COPY OF THE LOCAL JURISDICTION UTILITIES STANDARD SPECIFICATIONS AND STANDARD DETAILS, ONE COPY OF THE CONTRACT DOCUMENTS INCLUDING PLANS, SPECIFICATIONS AND SPECIAL PROVISIONS, AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS.

3. THE CONTRACTOR SHALL CALL SUNSHINE STATE ONE (WWW.CALLSUNSHINE.COM) AT 811TWO BUSINESS DAYS BEFORE DIG, BUT NO MORE THAN FIVE DAYS. THE CONTRACTOR SHALL HAVE ALL INFORMATION READY WHEN CALLING, AND PRE-COORDINATED WITH SUNSHINE ONE PRIOR TO THIS CALL. SUNSHINE ONE WILL HELP LOCATE BURIED FACILITIES, INCLUDING BUT NOT LIMITED TO ELECTRIC, GAS, TELEPHONE, CABLE, WATER, ETC. AND OTHERS. DIG SAFELY, USING EXTREME CAUTION WHEN DIGGING TO AVOID HITTING THE BURIED UTILITY LINES.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGE TO UNDERGROUND UTILITIES. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN AREAS OF BURIED UTILITY CABLES, SANITARY SEWER LINES, STORM SEWER LINES, RECLAIMED WATER LINES, WATER LINES, AND SPRINKLER LINES, OVERHEAD UTILITIES AND APPLICABLE APPURTANANCES. UTILITIES INCLUDE UTILITIES SHOWN ON THE PLAN, BUT IN NO WAY ARE UTILITIES LIMITED TO THOSE SHOWN ON THE PLAN. THE ENGINEER DOES NOT ISSUE ANY GUARANTEE THAT ALL THE UTILITIES ARE SHOWN ON THE PLANS.

5. PRIOR TO COMMENCING OF ANY EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH THE "UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT," EFFECTIVE OCTOBER 1, 2002 AND AS AMENDED CHAPTER 556, FLORIDA STATUTES (F.S.), REGARDING UNDERGROUND UTILITIES

6. CONTRACTOR IS RESPONSIBLE FOR CHECKING ACTUAL SITE CONDITIONS BEFORE STARTING CONSTRUCTION.

7. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE COMMENCING WORK.

8. CONTRACTOR SHALL OBTAIN ALL REQUIRED LOCAL JURISDICTIONAL AND STATE PERMITS BEFORE COMMENCING WORK.

9. NO CONSTRUCTION SHALL BEGIN UNTIL THE CONTRACTOR RECEIVES HIS "NOTICE TO PROCEED" AND OBTAINS ALL PERMITS.

10. PRIOR TO THE START OF CONSTRUCTION ACTIVITIES, AREAS WITHIN AND ADJOINING THE LIMITS OF CONSTRUCTIONS SHALL BE PROTECTED BY ERECTION OF TREE PROTECTION BARRICADES AND / OR SILT BARRIERS. SILT BARRIERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE BEST MANAGEMENT PRACTICES DETAIL DRAWING.

11. CONSTRUCTION SITE MUST BE POSTED WITH 24-HOUR CONTACT INFORMATION.

12. ALL NON-UTILITY RELATED CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LOCAL JURISDICTION, THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, THE FLORIDA DEPARTMENT OF TRANSPORTATION AND THE STATE OF FLORIDA AS APPLICABLE.

13. NO FIELD CHANGES OR DEVIATION FROM DESIGN TO BE MADE WITHOUT PRIOR WRITTEN APPROVAL BY THE ENGINEER.

14. CONTRACTOR MUST ADHERE TO FEDERAL REGISTER VOL. 58, NO. 9, RULES AND REGULATIONS, PAGE 4552 AND THE O.S.H.A. TRENCH SAFETY ACT. 9.

15. CONSTRUCTION SHALL BE IN COMPLIANCE WITH AMERICANS WITH DISABILITIES (ADA) AND THE FLORIDA ACCESSIBILITY CODE.

16. CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE FAIR HOUSING ACT DESIGN MANUAL.

17. ALL REQUIRED NON-UTILITY ONSITE IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LOCAL JURISDICTION LAND DEVELOPMENT REGULATIONS FOR SITE DEVELOPMENT PLANS.

18. CONSTRUCTION WITHIN FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) RIGHT OF WAY SHALL CONFORM TO FDOT DESIGN STANDARDS (LATEST EDITION) AND FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION).

19. WATER AND SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LOCAL JURISDICTION UTILITIES PROVISIONS FOR WATER AND SEWER DISTRIBUTION SYSTEMS.

20. ALL DISTURBED OR DAMAGED AREAS TO BE RESTORED TO THE SAME OR BETTER CONDITION THAN THAT PRIOR TO THE START OF CONSTRUCTION.

21. EXISTING PROPERTY CORNERS, LEGAL SECTION CORNERS, AND OTHER LAND MARKERS OR MONUMENTS LOCATED WITHIN THE PROPOSED PROJECT ARE TO BE "WITNESSED" PRIOR TO CONSTRUCTION AND RESET IF DISTURBED, AFTER CONSTRUCTION BY A "FLORIDA LICENSED PROFESSIONAL LAND SURVEYOR."

22. CONTRACTOR SHALL PLACE SOD AT THE BACK OF ALL CURBS, PAVEMENT EDGES, SWALES AND DETENTION AREAS.

23. CONTRACTOR SHALL SOD ALL DISTURBED AREAS WITHIN THE CITY/COUNTY RIGHT OF WAY.

24. ALL PROPOSED GROUND ELEVATIONS ARE FINISHED SOD ELEVATIONS. FINISH GRADING SHOULD BE 0.2' LESS THAN THE ELEVATIONS SHOWN TO ALLOW FOR SOD THICKNESS.

25. ALL WORK TO BE COMPLETED WITHIN CITY/COUNTY RIGHT-OF-WAY SHALL REQUIRE RIGHT-OF-WAY PERMIT.

26. THE CONTRACTOR SHALL PROVIDE, INSTALL, AND MAINTAIN TEMPORARY SIGNAGE IN ACCORDANCE WITH THE CURRENT FLORIDA DOT STANDARDS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AS AMENDED AND SHALL MAINTAIN LOCAL TRAFFIC AT ALL TIMES.

27. SIDEWALK CROSS SLOPE NOT TO EXCEED 2%.

28. ALL WASTE WILL BE SELF-HAULED OFFSITE BY CONTRACTOR.

29. ALL CLEARING, GRUBBING, AND CONSTRUCTION DEBRIS TO BE REMOVED FROM SITE AND PROPERLY DISPOSED.

30. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND OBTAIN COVERAGE UNDER A NPDES STORM WATER PERMIT. A COPY OF THE SWPPP SHALL BE KEPT ONSITE AT ALL TIMES.

31. ALL PAVEMENT MARKINGS, EXCEPT PARKING SIGNS, SHALL BE "ALKYD THERMOPLASTIC 90 MILS IN THICKNESS" IN ACCORDANCE WITH THE LOCAL JURISDICTION TECHNICAL PROVISIONS.

32. ALL TRAFFIC CONTROL SIGNS WITHIN THE PROJECT SHALL BE MANUFACTURED USING DIAMOND GRADE REFLECTIVE SHEETING (OR AN EQUIVALENT). ALL SIGNS SHALL BE CONSTRUCTED IN ACCORDANCE WITH MUTCD CRITERIA FOR SIGN SIZE AND SHAPE AND LETTERING DIMENSIONS.

33. ALL TRAFFIC SIGN POSTS WITHIN THE PROJECT SHALL BE 2"x2" SQUARE BREAK-AWAY 14 GAUGE GALVANIZED STEEL WITH PUNCHED HOLES. THE TAPCO V-LOC V51P-350 SYSTEM SHALL BE EMPLOYED WHERE SIGN POSTS ARE TO BE INSTALLED IN PAVED AREAS.

34. ALL CONCRETE FOR ROADWAY AND DRAINAGE STRUCTURES SHALL BE 3000 PSI (FDOT STANDARD SPECIFICATIONS SECTION 346).

35. ALL DRAINAGE CULVERT JOINTS SHALL BE WRAPPED PER FDOT INDEX 280.

36. CONTRACTOR SHALL PAVE INVERTS IN DRAINAGE STRUCTURES TO PREVENT IMPOUNDED WATER.

37. IN THE EVENT THAT THE PROJECT IS CLOSED DOWN OR ABANDONED DURING CONSTRUCTION OR PRIOR TO PROJECT COMPLETION IT IS THE CONTRACTOR REASONABILITY TO REMOVE ALL STOCKPILED VEGETATION DEBRIS AND FILL MATERIAL FROM THE SITE.

38. A. EROSION AND SEDIMENT CONTROL BMPS IN ADDITION TO THOSE PRESENTED ON THE PLANS AND OUTLINED IN THE EROSION AND SEDIMENT CONTROL PLAN (ECP) SHALL BE IMPLEMENTED AS NECESSARY TO PREVENT TURBID DISCHARGES FROM FLOWING ONTO ADJACENT PROPERTIES OR ROADWAYS. OFF SITE STORMWATER CONVEYANCES OR RECEIVING WATERS, OR ON SITE WETLANDS AND SURFACE WATERS. BMPS SHALL BE DESIGNED, INSTALLED, AND MAINTAINED BY THE SITE OPERATOR TO ENSURE THAT OFF SITE SURFACE WATER QUALITY REMAINS CONSISTENT WITH STATE AND LOCAL REGULATIONS. [THE OPERATOR IS THE ENTITY THAT OWNS OR OPERATES THE CONSTRUCTION ACTIVITY AND HAS AUTHORITY TO CONTROL THOSE ACTIVITIES AT THE PROJECT NECESSARY TO ENSURE COMPLIANCE.]

B. OFF SITE SURFACE WATER DISCHARGES, DISCHARGES TO THE MS4, OR DISCHARGES TO ONSITE WETLANDS OR SURFACE WATERS WITH TURBIDITY IN EXCESS OF 29 NEPHELOMETRIC TURBIDITY UNITS (NTUS) ABOVE BACKGROUND LEVEL SHALL BE IMMEDIATELY CORRECTED. SUCH INCIDENTS SHALL BE REPORTED TO THE LOCAL JURISDICTION WATER RESOURCES DEPARTMENT WITHIN 24 HOURS OF THE OCCURRENCE. THE REPORT SHALL INCLUDE THE CAUSE OF THE DISCHARGE AND CORRECTIVE ACTIONS TAKEN.

C. THE OPERATOR SHALL ENSURE THAT ADJACENT PROPERTIES ARE NOT IMPACTED BY WIND EROSION, OR EMISSIONS OF UNCONFINED PARTICULATE MATTER IN ACCORDANCE WITH RULE 62-296.320(4)(C)1, F.A.C., BY TAKING APPROPRIATE MEASURES TO STABILIZE AFFECTED AREAS.

D. FUEL AND OTHER PETROLEUM PRODUCT SPILLS THAT ENTER STORMWATER DRAINS OR WATERBODIES, OR FUEL AND OTHER PETROLEUM PRODUCT SPILLS THAT ARE IN EXCESS OF 25 GALLONS SHALL BE CONTAINED, CLEANED UP, AND IMMEDIATELY REPORTED TO THE LOCAL JURISDICTION WATER RESOURCES DEPARTMENT. SMALLER GROUND SURFACE SPILLS SHALL BE CLEANED UP AS SOON AS PRACTICAL.

E. IF CONTAMINATED SOIL AND/OR GROUNDWATER IS DISCOVERED DURING DEVELOPMENT OF THE SITE, ALL ACTIVITY IN THE VICINITY OF THE CONTAMINATION SHALL IMMEDIATELY CEASE, AND THE LOCAL JURISDICTION WATER RESOURCES DEPARTMENT SHALL BE CONTACTED.

F. THE DISCHARGE OF GROUNDWATER PRODUCED THROUGH DEWATERING, TO SURFACE WATERS, OR TO ANY PORTION OF THE MS4 WILL REQUIRE SEPARATE PERMITTING FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP). PERMIT(S) SHALL BE OBTAINED PRIOR TO THE COMMENCEMENT OF DEWATERING. ANALYTICAL RESULTS FROM PRE-DISCHARGE TESTING SHALL BE PROVIDED TO THE LOCAL JURISDICTION WATER RESOURCES DEPARTMENT.

G. FERTILIZER APPLICATION SHALL BE CONSISTENT WITH THE LOCAL JURISDICTION CODE.

39. ANY WELLS DISCOVERED DURING EXCAVATION, EARTHMOVING OR CONSTRUCTION MUST BE REPORTED TO THE LOCAL JURISDICTION OR HEALTH DEPARTMENT OF ENVIRONMENTAL HEALTH WITHIN 24 HR OF DISCOVERY.

FDOT GENERAL NOTES

1. ALL CONSTRUCTION WITHIN THE FDOT RIGHT-OF-WAY IS TO BE IN ACCORDANCE WITH CURRENT FDOT STANDARD SPECIFICATIONS FOR ROADWAY CONSTRUCTION AND THE ROADWAY AND TRAFFIC DESIGN STANDARD INDEX.

NATURAL RESOURCE NOTES

1. IMPACTS TO STATE AND FEDERALLY PROTECTED SPECIES AS LISTED IN THE MOST CURRENT VERSION OF "FLORIDA'S ENDANGERED SPECIES, THREATENED SPECIES AND SPECIES OF SPECIAL CONCERN: OFFICIAL LISTS" PREPARED BY THE FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION (FWC) ARE NOT AUTHORIZED BY THIS PERMIT. THESE SPECIES MAY INCLUDE, BUT ARE NOT LIMITED TO, FLORIDA SCRUB JAY, AMERICAN BALD EAGLE, SHERMAN'S FOX SQUIRREL, BURROWING OWL, GOPHER TORTOISE, GOPHER FROG, AND EASTERN INDIGO SNAKE. PROTECTION EXTENDS TO THE NESTS, BURROWS AND HABITAT UTILIZED BY THESE SPECIES. IF A LISTED SPECIES (OR ITS EVIDENCE, SUCH AS BURROWS, NESTS, SCAT, TRACKS) THAT WAS NOT ADDRESSED IN THIS PERMIT IS OBSERVED PRIOR TO OR DURING CONSTRUCTION, ALL CLEARING AND EARTHMOVING ON-SITE SHALL CEASE. THE PERMITTEE SHALL CONSULT WITH THE FWC REGIONAL OFFICE AND/OR THE U.S. FISH AND WILDLIFE SERVICE REGIONAL OFFICE REGARDING NECESSARY PROTECTION MEASURES AND PROVIDE EVIDENCE OF SUCH CONSULTATION TO RESOURCE PROTECTION SERVICES PRIOR TO RESUMING WORK.

2. IF ANY TYPE A FILL (CLEAN EARTHEN MATERIAL) IS TO BE HAULED OFF-SITE, AN EARTHMOVING PERMIT OR LETTER OF EXEMPTION IS REQUIRED FROM RESOURCE PROTECTION SERVICES. IF ANY TYPE A FILL HAULED OFF-SITE IS TO BE STOCKPILED OR FILLED UPON PRIVATE PROPERTIES, THE RECEIVING PROPERTY(S) SHALL POSSESS AUTHORIZATION IN THE FORM OF AN EARTHMOVING PERMIT, A WRITTEN EARTHMOVING EXEMPTION, A BUILDING PERMIT, OR CONSTRUCTION PLAN APPROVAL PRIOR TO RECEIVING SAID FILL. NO TYPE B (CONCRETE, BROKEN ASPHALT, ROCKS), TYPE C (VEGETATIVE LAND CLEARING DEBRIS), OR TYPE D (GARBAGE, REFUSE, WOOD, METAL, PLASTIC, ETC.) FILL MAY BE BURIED WITHIN OR OUTSIDE APPROVED CONSTRUCTION LIMITS. TYPE D FILL MUST BE DISPOSED AT AN APPROVED LANDFILL OR RECYCLING FACILITY. TYPE B, C, AND D FILLS GENERATED ON-SITE SHALL NOT BE STOCKPILED ON-SITE FOR GREATER THAN SIX MONTHS. TYPE B, C, AND D FILLS SHALL NOT BE HAULED TO THE SITE FROM OFF-SITE SOURCES.

TRENCH EXCAVATION AND BACKFILL:

1. MATERIAL SUITABLE FOR BACKFILL IN A PROPERLY DEWATERED TRENCH SHALL NOT BE EXPANSIVE NOR HAVE HIGH ORGANIC CONTENT, SHALL BE FREE OF DEBRIS, LUMPS AND CLOUDS, AND SHALL MEET THE FOLLOWING REQUIREMENTS:

BROKEN CONCRETE SHALL NOT BE USED. FILL MATERIAL CONTAINING LIMESTONE SHALL HAVE SUFFICIENT SAND TO FILL THE VOIDS IN THE LIMESTONE. NO STONES OR ROCKS LARGER THAN THREE INCHES IN DIAMETER WILL BE PERMITTED IN ANY BACKFILL. BACKFILL MATERIAL PLACED WITHIN ONE FOOT OF PIPING AND APPURTENANCES OR IN THE UPPER SIX INCHES OF ALL BACKFILL AND FILLS SHALL NOT CONTAIN ANY STONES OR ROCKS LARGER THAN ONE INCH IN DIAMETER.

EXISTING BACKFILL MATERIAL MAY BE USED, ONLY IF IT MEETS THE ABOVE-MENTIONED REQUIREMENTS.

2. READY-MIX FLOWABLE FILL, OR CONTROLLED LOW STRENGTH MATERIAL (CLSM) MAY BE SUBSTITUTED AS AN ALTERNATIVE TO COMPACTED SOIL WITH THE APPROVAL OF THE ENGINEER OR IF SHOWN ON THE PLANS. APPLICATIONS FOR THE MATERIAL INCLUDE BEDDINGS, ENCASEMENTS, CLOSURES FOR TANKS AND PIPES, AND GENERAL BACKFILL APPLICATIONS FOR TRENCHES AND ABUTMENTS. FLOWABLE FILL CAN BE DESIGNED TO BE EXCAVATEABLE, PUMPABLE OR FOR APPLICATIONS WHERE STRENGTH IS MORE IMPORTANT THAN EXCAVATABILITY. IF FLOWABLE FILL IS SPECIFIED, ULTIMATE COMPRESSIVE STRENGTH MUST BE LESS THAN 200 PSI AT 28 DAYS.

3. FOUNDATION MATERIAL OR BEDDING ROCK SHALL BE USED FOR BEDDING OF PIPE AND/OR MANHOLES AS INDICATED ON THE DRAWINGS. CRUSHED STONE SHALL CONSIST OF HARD, DURABLE, SUB-ANGULAR PARTICLES OF PROPER SIZE AND GRADATION, AND SHALL BE FREE FROM ORGANIC MATERIAL, WOOD, TRASH, SAND, LOAM, CLAY, EXCESS FINES AND OTHER DELETERIOUS MATERIALS. THE STONE SHALL CONFORM TO THE REQUIREMENTS OF ASTM C33, SIZE No. 57 (3/4 INCH ROCK) AND BE GRADED WITHIN THE FOLLOWING LIMITS:

SAND FOR BEDDING POLYVINYL CHLORIDE (PVC) PIPE SHALL BE A DRY SCREENED SAND. SAND SHALL BE GRADED SAND WITH 100 PERCENT PASSING 1 3/8 INCH SIEVE AND NOT MORE THAN FIVE PERCENT PASSING A No. 200 SIEVE. ALL PIPE BEDDING MATERIAL SHALL BE NEW. EXISTING PIPE BEDDING MATERIAL MAY NOT BE USED.

4. FOUNDATION STABILIZATION MATERIAL SHALL BE REQUIRED AS SPECIFIED IN THE PLANS OR AS DIRECTED BY THE ENGINEER OR THE LOCAL JURISDICTION. WHEN, IN THE OPINION OF THE ENGINEER OR THE LOCAL JURISDICTION, THE EXISTING MATERIAL IN THE BOTTOM OF THE TRENCH IS UNSUITABLE FOR SUPPORTING THE PIPE, EXCAVATE BELOW THE FLOW LINE OF THE PIPE, AS DIRECTED BY THE ENGINEER OR LOCAL JURISDICTION. BACKFILL THE TRENCH TO SPECIFIED GRADE WITH FOUNDATION STABILIZATION MATERIAL. IF THE TRENCH IS PROPERLY DEWATERED, SUITABLE BACKFILL MATERIAL MAY BE USED FOR STABILIZATION. CRUSHED ROCK SHALL BE USED WHEN A DRY TRENCH CANNOT BE OBTAINED. PLACE THE FOUNDATION STABILIZATION MATERIAL OVER THE FULL WIDTH OF THE TRENCH AND COMPACT IN LAYERS NOT EXCEEDING SIX INCHES DEEP TO THE REQUIRED GRADE.

5. BACKFILLING OF TRENCHES WILL NOT BE ALLOWED UNTIL THE WORK HAS BEEN REVIEWED BY THE LOCAL JURISDICTION. ANY WORK COVERED UP OR CONCEALED WITHOUT THE KNOWLEDGE OR CONSENT OF THE LOCAL JURISDICTION MAY BE REQUIRED TO BE UNCOVERED OR EXPOSED AT THE CONTRACTOR'S EXPENSE.

6. IF MORE STRINGENT COMPACTION REQUIREMENTS ARE GIVEN IN ANY OTHER DOCUMENTATION APPLICABLE TO THE WORK BEING PERFORMED, THOSE REQUIREMENTS WILL APPLY.

7. DENSITY TESTS REQUIRED FOR EACH 12" LIFT AT A MINIMUM OF ONE TEST PER 200 FEET OF TRENCH.

8. MAGNETIC LOCATION TAPE WITH A MINIMUM WIDTH OF TWO AND ONE HALF (2 1/2) INCHES IS TO BE LAID DIRECTLY ABOVE THE PIPE AND EIGHTEEN (18) INCHES BELOW THE GROUND SURFACE. TAPE IS TO BE OF COLOR AND MARKING TO CORRESPOND TO THE PIPING LAID. TAPE ENDS ARE TO BE SPLICED TOGETHER SO AS TO PRODUCE A CONTINUOUS LENGTH OF LOCATION TAPE.

9. ALL WELL POINT HOLES THAT WILL BE UNDER PARKING, DRIVING OR ROADWAY SURFACES SHALL BE BACKFILLED WITH CONCRETE IMMEDIATELY AFTER PULLING THE WELL POINTS. ALL OTHER WELL POINT HOLES SHALL BE BACKFILLED WITH FDOT No. 89 STONE IMMEDIATELY AFTER PULLING THE WELL POINTS UNLESS SPECIFIED OR DIRECTED TO DO OTHERWISE.

FORTUITOUS FINDS STATEMENT

1. THE FOLLOWING REQUIREMENTS APPLY TO ALL BUILDING CONSTRUCTION OR ALTERATION, OR LAND ALTERATION ACTIVITIES:

a. IF EVIDENCE OF THE EXISTENCE OF HISTORIC RESOURCES IS DISCOVERED OR OBSERVED AT DEVELOPMENT SITES OR DURING DEVELOPMENT ACTIVITIES AFTER FINAL APPROVAL, ALL WORK SHALL CEASE IN THE AREA OF EFFECT AS DETERMINED BY THE LOCAL JURISDICTION. THE DEVELOPER, OWNER, CONTRACTOR, OR AGENT THEREOF SHALL NOTIFY THE LOCAL JURISDICTION OF HISTORICAL RESOURCES WITHIN TWO WORKING DAYS. EXAMPLES OF SUCH EVIDENCE INCLUDE WHOLE OR FRAGMENTARY STONE TOOLS, SHELL TOOLS, ABORIGINAL OR HISTORIC POTTERY, HISTORIC GLASS, HISTORIC BOTTLES, BONE TOOLS, HISTORIC BUILDING FOUNDATIONS, SHELL MOUNDS, SHELL MIDDENS, OR SAND MOUNDS. THE DIRECTOR SHALL ASSESS THE SIGNIFICANCE OF THE FINDS WITHIN THREE WORKING DAYS OF NOTIFICATION AND TO MITIGATE ANY ADVERSE EFFECTS SO AS TO MINIMIZE DELAYS TO DEVELOPMENT ACTIVITIES.

b. IF ANY HUMAN SKELETAL REMAINS OR ASSOCIATED BURIAL ARTIFACTS ARE DISCOVERED AT DEVELOPMENT SITES OR DURING DEVELOPMENT ACTIVITY, ALL WORK IN THE AREA MUST CEASE, AND THE PERMITTEE MUST IMMEDIATELY NOTIFY THE NEAREST LAW ENFORCEMENT OFFICE AND NOTIFY THE LOCAL JURISDICTION WITHIN TWO WORKING DAYS. ACCORDING TO CHAPTER 872, FLORIDA STATUTES, IT IS UNLAWFUL TO DISTURB, VANDALIZE, OR DAMAGE A HUMAN BURIAL.

PAVING, GRADING AND DRAINAGE NOTES

1. REFER TO THE GENERAL SITE CONSTRUCTION NOTES, SUPPLEMENTAL SPECIFICATIONS (IF APPLICABLE), AND PLAN SPECIFIC NOTES FOR SUPPLEMENTAL PAVING, GRADING AND DRAINAGE CONSTRUCTION REQUIREMENTS.

2. THE CONTRACTOR SHALL INSTALL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO COMMENCING WITH CONSTRUCTION. ANY OBSERVED SILTATION, DEBRIS, AND/OR EROSION SHALL BE CORRECTED AS SOON AS PRACTICAL IN ORDER TO AVOID ADVERSE STORMWATER DISCHARGE (QUANTITY OR QUALITY). REFER TO BEST MANAGEMENT PRACTICES AND GUIDELINES INCLUDED IN THE PLANS.

3. ALL PROPOSED DRAINAGE PIPE SHALL BE CONCRETE OR HDPE, AS SPECIFIED, UNLESS OTHERWISE NOTED. CONCRETE PIPE SHALL BE RCP CLASS III AND BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE LATEST FDOT STANDARD SPECIFICATIONS. CORRUGATED POLYETHYLENE (HDPE) PIPE SHALL MEET AASHTO M-294 AND BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE LATEST FDOT STANDARD SPECIFICATIONS. ALL RCP/ERCP JOINTS SHALL BE WRAPPED IN ACCORDANCE WITH THE FDOT STANDARD SPECIFICATION LATEST EDITION. PVC USED FOR DRAINAGE SYSTEMS SHALL BE SCHEDULE 40 PVC, COLOR CODED WHITE UNLESS OTHERWISE SPECIFIED.

4. UNLESS PROPOSED OTHERWISE, ALL AREAS (PAVED AND UNPAVED) SHALL BE GRADED TO ASSURE POSITIVE DRAINAGE.

5. PROPOSED FINISHED GRADE IN UNPAVED AREAS REPRESENTS TOP OF SOD. CONTRACTOR SHALL ALLOW 2 INCHES IN FINAL GRADING FOR SOD PLACEMENT.

6. THE CONTRACTOR SHALL USE DUE CARE WHILE FINISHING ALL PAVED SURFACES TO ASSURE POSITIVE DRAINAGE AND PRECLUDE PONDED WATER OR "BIRD BATHS."

7. PAVED INVERTS WITHIN THE DRAINAGE STRUCTURES SHALL BE PROVIDED IN ORDER TO PRECLUDE PONDED WATER.

8. THE CONTRACTOR SHALL LAY SOD AROUND ALL INLETS, MITERED ENDWALLS, HEADWALLS, SWALES, SLOPES, ADJACENT TO EDGE OF PAVEMENT AND ADJACENT TO BACK OF CURB AS SHOWN IN DETAILS OR AS DIRECTED BY THE ENGINEER. ALL LANDSCAPED AREAS SHALL BE SODDED UNLESS NOTED OTHERWISE ON THE PLANS.

10. ALL ROOF SURFACES SHALL BE COLLECTED. PROPOSED ROOF DRAINS TO BE CONNECTED TO THE STORMWATER COLLECTION SYSTEM AS DEPICTED WITHIN THE PLANS FOR CONVEYANCE TO PROPOSED STORMWATER MANAGEMENT SYSTEM.

11. ALL RESTORATION WORK PERFORMED THROUGHOUT THE PROJECT SHALL CONFORM TO EXISTING LINES AND GRADES UNLESS OTHERWISE NOTED.

12. THE CONTRACTOR SHALL PROVIDE SIGNED AND SEALED AS-BUILT SURVEY RECORD DRAWINGS PREPARED BY A PROFESSIONAL SURVEYOR AND MAPPER REGISTERED IN THE STATE OF FLORIDA. THE RECORD DRAWINGS SHALL BE PROVIDED TO THE ENGINEER FOR REVIEW AND CONCURRENCE AND SHALL INDICATE HORIZONTAL AND VERTICAL DIMENSIONAL AND TOPOGRAPHICAL DATA SO THAT CONSTRUCTED IMPROVEMENTS MAY BE LOCATED AND DELINEATED SO THE ENGINEER OF RECORD CAN DETERMINE IF THE IMPROVEMENTS WERE CONSTRUCTED IN CONFORMANCE WITH THE APPROVED CONSTRUCTION PLANS. AS-BUILT DRAWING PRESENTATION AND DATA SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE APPLICABLE RULING AGENCIES. IT SHALL BE NOTED THAT THE RECORD DRAWING PLANS MAY BE REQUIRED TO BE PREPARED ON THE ENGINEERING BASE PLANS AS PERMITTED BY THE AGENCY HAVING JURISDICTION.

13. ALL SURFACE WATER DISCHARGES FROM THE PROPERTY SHALL COMPLY WITH THE STATE WATER QUALITY STANDARDS CONTAINED IN DEPARTMENT OF ENVIRONMENTAL PROTECTION RULES, CHAPTER 62-302, FLORIDA ADMINISTRATIVE CODE (F.A.C.).

14. THE CONTRACTOR SHALL AVOID ADVERSELY IMPACTING THE EXISTING DRAINAGE SYSTEMS. THEY SHALL BE MAINTAINED FOR FUNCTION AND CAPACITY THROUGHOUT THE DURATION OF THE CONSTRUCTION.

15. DURING DRAINAGE PIPE INSTALLATION, THE CONTRACTOR SHALL IMMEDIATELY BACKFILL THE TRENCH AFTER SECTIONS OF PIPE ARE INSTALLED. MAXIMUM OPEN TRENCH LENGTH SHALL BE 30 FEET.

16. ALL DRAINAGE PIPE SHALL BE INSTALLED TO THE LINES AND GRADES SHOWN ON THE PLANS, UNLESS COORDINATED OTHERWISE.

17. HANDICAP SIDEWALK RAMPS ARE TO BE CONSTRUCTED AND EMBOSSED PER FDOT INDEX 304. CURB RAMPS AND SIDE FLARES SHALL COMPLY TO THE FLORIDA ACCESSIBILITY CODE. DETECTABLE WALKING TEXTURES ON WALKING SURFACES SHALL BE PROVIDED IN ACCORDANCE WITH THE FLORIDA ACCESSIBILITY CODE AND FDOT STANDARDS.

18. ALL ROADWAY, CURB AND DRAINAGE STRUCTURES ARE REQUIRED TO BE 3000 PSI CONCRETE MINIMUM.

19. SIDEWALKS ARE TO HAVE EXPANSION JOINTS AT A MAXIMUM SPACING OF 50 FEET AND CONTRACTION JOINTS AT INTERVALS EQUAL TO THE WIDTH OF THE SLAB, BUT NOT MORE THAN TEN FEET. NO JOINTS SHALL BE CLOSER THAN FOUR FEET.

20. ANY EXISTING UNSUITABLE OR ORGANIC SOIL MATERIAL SHALL BE REMOVED FROM UNDER PAVEMENT AND FIVE FEET BEHIND CURB AND FROM UNDER BUILDING PADS AND FIVE FEET OUTSIDE OF BUILDING PADS. A GEOTECHNICAL ENGINEER SHALL INDICATE THE REMOVAL DEPTH AND SHALL VERIFY THAT ORGANIC AND OTHER UNSUITABLE MATERIAL HAVE BEEN REMOVED.

21. ALL STEEL GRATES (GRATES AND FRAMES) PROPOSED IN PAVED AREAS SHALL BE RATED FOR H-20 LOADING. GRATES PROPOSED IN UNPAVED AREAS NOT ANTICIPATING VEHICULAR LOADING (I.E. CONTROL STRUCTURES) MAY BE STANDARD LOADING. ALL CASTINGS (RINGS, COVERS, CLEAN-OUTS, ETC.) PROPOSED IN PAVED OR UNPAVED AREAS SHALL BE RATED FOR H-20 LOADING.

22. ANY PROPOSED UNDERDRAIN SYSTEMS (WHERE APPLICABLE) SHALL INCLUDE ALL CLEAN-OUTS, FITTINGS, MEDIA, PERMEABLE/IMPERMEABLE GEOTEXTILES, AND ANCILLARY APPURTENANCES AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.

23. ANY DRAINAGE EASEMENTS SHALL BE PROVIDED AS INDICATED FOR THE PROPOSED DRAINAGE IMPROVEMENTS. ANY PROPOSED EASEMENT SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE OWNER AND THE AGENCY HAVING JURISDICTION.

24. ANY WELLS DISCOVERED DURING EXCAVATION, EARTHMOVING, OR CONSTRUCTION MUST BE REPORTED TO THE JURISDICTIONAL ENVIRONMENTAL HEALTH DEPARTMENT WITHIN 24 HOURS OF DISCOVERY. ANY WELLS ON-SITE THAT WILL HAVE NO USE MUST BE PLUGGED AND ABANDONED BY A LICENSED WELL DRILLING CONTRACTOR IN AN APPROVED MANNER. ANY WELLS ON-SITE THAT REMAIN MUST BE PROTECTED DURING ALL STAGES OF EARTHMOVING AND CONSTRUCTION.

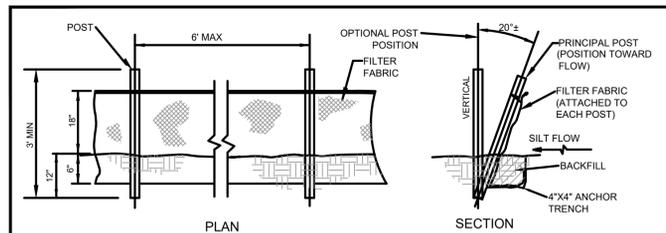
Revisions:

ROBERT G. FISHER P.E. FLA. LIC. NO. 58839 C.A. NO. 31696 DATE:

Date: 3-28-2025 Scale: SHOWN Drawn By: CM Checked By: GF Project #: -

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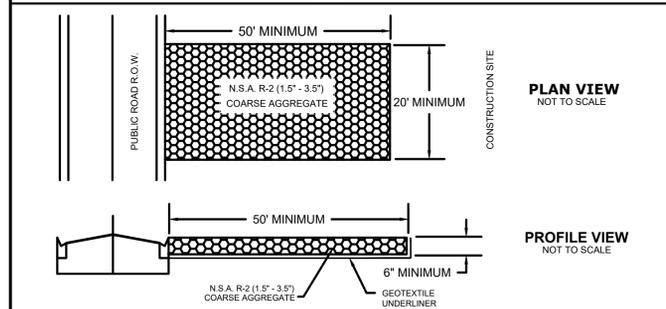




- 1.) POSTS SHALL BE WOOD (2"x4" OR 2" DIA.) OR STEEL (MIN. 1.33 LBS/FT.).
- 2.) SILT FENCE SHALL BE PLACED PRIOR TO ANY EARTHMOVING, EXCAVATION OR VEGETATION REMOVAL.
- 3.) CONTRACTOR IS RESPONSIBLE FOR MONITORING & MAINTAINING THE SILT FENCE IN GOOD CONDITION THROUGHOUT THE LIFE OF THE PROJECT.
- 4.) THE CITY ENGINEER OR HIS DESIGNEE MAY ISSUE A STOP WORK ORDER IN THE EVENT THAT SILT FENCE IS NOT BEING MAINTAINED OR IF SEDIMENT IS MIGRATING OFF-SITE.

SILT FENCE DETAIL

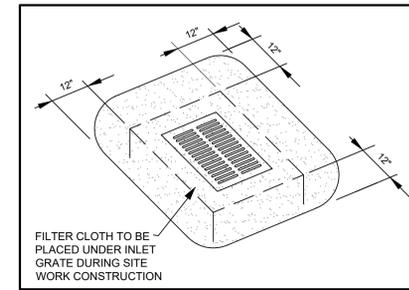
N.T.S.



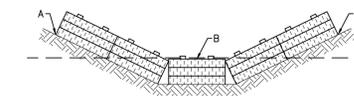
CRUSHED STONE CONSTRUCTION EXIT DETAIL

N.T.S.

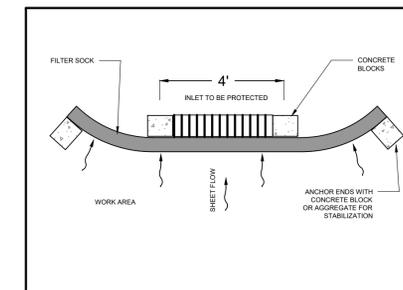
CITY OF VENICE ENGINEERING DEPARTMENT 	401 W VENICE AVE VENICE, FL 34286 (941) 486-2626	ENGINEERING SILT FENCE & CONSTRUCTION EXIT	DATE MAR 2025 SHEET NO. ENG-7
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INLET PROTECTION
NTS

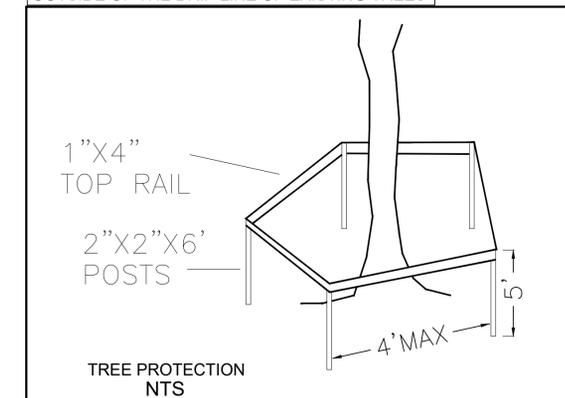


POINTS A SHOULD BE HIGHER THAN POINT B
PROPER PLACEMENT OF COIR BALE IN A DRAINAGE WAY
NTS



SOCK FILTER
NTS

TREE PROTECTION BARRICADE TO BE LOCATED OUTSIDE OF THE DRIP LINE OF EXISTING TREES



TREE PROTECTION
NTS

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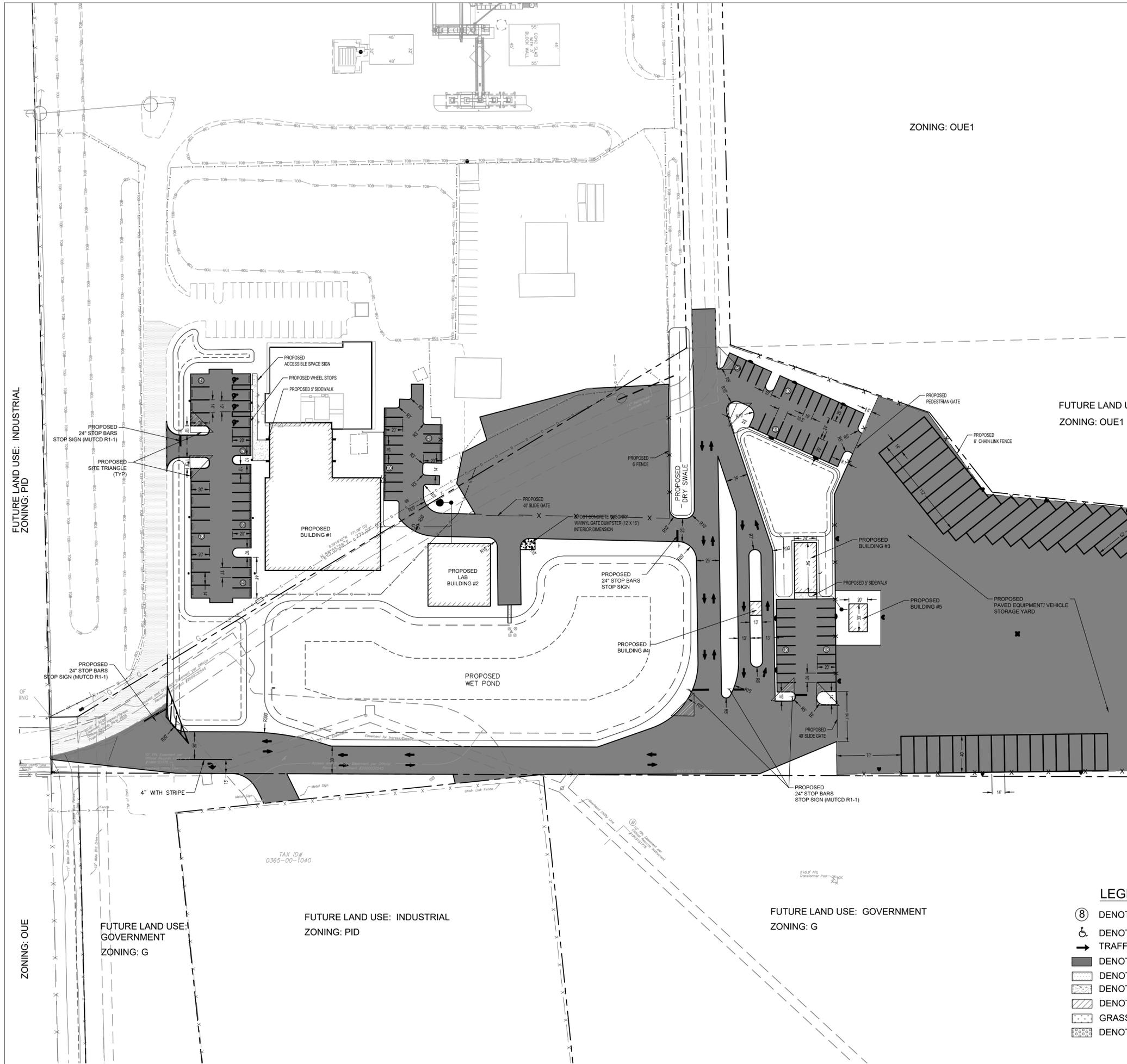
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Drawn By: CM

Checked By: GF

Project #: -

SHEET **C1.00**



ZONING: OUE1

FUTURE LAND USE: NONE (LAKE)
ZONING: OUE1

FUTURE LAND USE: INDUSTRIAL
ZONING: PID

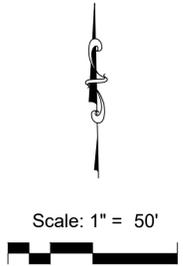
ZONING: OUE

FUTURE LAND USE: GOVERNMENT
ZONING: G

FUTURE LAND USE: INDUSTRIAL
ZONING: PID

FUTURE LAND USE: GOVERNMENT
ZONING: G

TAX ID#
0365-00-1040



- NOTES:**
1. PARKING REQUIREMENT (SEE TABLE BELOW)
 2. WELLS ONSITE ARE IDENTIFIED ON DEMO AND GRADING SHEETS.
 3. ANY WELLS DISCOVERED DURING EXCAVATION, EARTHMOVING OR CONSTRUCTION MUST BE REPORTED TO THE ENGINEER OF RECORD AND SARASOTA COUNTY HEALTH DEPARTMENT, OFFICE OF ENVIRONMENTAL HEALTH WITHIN 24 HOURS OF DISCOVERY.
 4. WELL TO BE REMOVED IS IDENTIFIED ON THE DEMO AND GRADING SHEETS AND MUST BE REMOVED BY A FLORIDA LICENSED WELL DRILLING CONTRACTOR IN AN APPROVED MANNER.
 5. THE PROPER BACKFLOW PREVENTION DEVICE MUST BE INSTALLED AND CERTIFIED ON THE CENTRAL WATER CONNECTION.
 6. GAS SERVICE LINE TO BE RELOCATED BY GAS COMPANY AT DIRECTION OF OWNER.

PROJECT DATA

- GENERAL INFORMATION**
- PROPERTY ADDRESS: 1 AJAX DR, NORTH VENICE, FL, 34275
- SARASOTA COUNTY PROPERTY I.D.: 0365001050, 0365001030, 0365001090
 - ZONING: PID- PLAN NED INDUSTRIAL DISTRICT
 - FUTURE LAND USE: INDUSTRIAL
 - ABUTTING ZONINGS: GU - GOVERNMENTAL USE DISTRICT AND PID
 - LOT SIZE: 138.71 ACRES
 - EXISTING USE: 4700 - MINERAL AND GRAVEL PROCESSING/CEMENT PLANT
 - WATER: EXISTING PROVIDED BY PRIVATE WELLS
 - SEWER: EXISTING PROVIDED BY PRIVATE SEPTIC
 - TREE COVERAGE: YES
 - CONSTRUCTION LIMITS AREA: 468,908 SQUARE FEET
 - CONSTRUCTION LIMITS IMPERVIOUS AREA: 331,446 SQUARE FEET

- BUILDING AREA AND SETBACK REQUIREMENTS**
- BUILDING #1 = 11,259 SF
SETBACKS - 237' (W), 1,766' (N), 915 (E), 220 (S)
 - BUILDING #2 = 3,575 SQUARE FEET
SETBACKS - 413' (W), 1,979' (N), 793 (E), 781 (S)
 - BUILDING #3 = 1,520 SQUARE FEET
SETBACKS - 811' (W), 190' (N), 440 (E), 198 (S)
 - BUILDING #4 = 195 SQUARE FEET
SETBACKS - 762' (W), 265' (N), 498 (E), 173 (S)
 - BUILDING #5 = 600 SQUARE FEET
SETBACKS - 870' (W), 229' (N), 381 (E), 156 (S)
 - SIDE SETBACKS = 25 FEET
 - FRONT = 25 FEET
 - REAR = 25 FEET
 - HEIGHT = 46 FEET
 - FLOOR AREA RATIO = 17,149 SF/468,908 SF = 0.04

- PARKING REQUIREMENTS:**
- LIGHT INDUSTRIAL - 1 SPACE PER 1,000 SQUARE FEET- 16,925/1000=17
 - TOTAL ADA SPACES REQUIRED = 1
 - TOTAL ADA SPACES PROVIDED = 4
 - TOTAL SPACES REQUIRED = 17
 - TOTAL SPACES PROVIDED = 93

NOTE:
PROPOSED BUILDING HEIGHT METHOD OF MEASUREMENT IS FROM FEMA FIRST HABITABLE FLOOR TO HIGHEST POINT OF THE ROOF (SEE ARCHITECTURAL BUILDING ELEVATIONS)

- ACTUAL BUILDING HEIGHTS:**
- BUILDING 1: 28'2" TALL WITH TOP ELEVATION OF 44.67
 - BUILDING 2: 16'4" TALL WITH TOP ELEVATION OF 32.98
 - BUILDING 3: 14'1" TALL WITH TOP ELEVATION OF 30.58
 - BUILDING 4: 14'3" TALL WITH TOP ELEVATION OF 30.80
 - BUILDING 5: 16'0" TALL WITH TOP ELEVATION OF 32.50

LEGEND

- ⑧ DENOTES PARKING COUNT
- ♿ DENOTES HANDICAP PARKING
- ➔ TRAFFIC CIRCULATION (NOT FOR PAINTING)
- DENOTES ASPHALT PAVEMENT
- ▨ DENOTES RE-PAVEMENT
- ▩ DENOTES CONCRETE
- ▧ DENOTES STRUCTURE
- ▤ GRASS REINFORCED PARKING
- ▥ DENOTES DETECTABLE WARNING

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AJAX PAVING EXPANSION

In accordance with 65C15-36.003 (3) F.S.C. these preliminary plans are submitted for public review, comments and interpretations. The documents may subsequently be reviewed and approved by the public agency. Changes, revisions and modifications to a project may prompt additional document submissions for agency approval. 65C15-36.003 (3) F.S.C. 65C15-36.003 (3) F.S.C.



Revisions:

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SHEET C1.02



In accordance with 65C15-35.003 (3) F.A.C., these preliminary plans are submitted for public review. These preliminary plans are not to be used for construction. The documents may be reviewed and interpreted by the public agency to receive agency review, comments and interpretations. The documents may be subsequently revised and resubmitted for final review. Changes, revisions and modifications to a project may prompt additional document submission for agency approval. 65C15-35.003 (3) F.A.C.

Revisions:

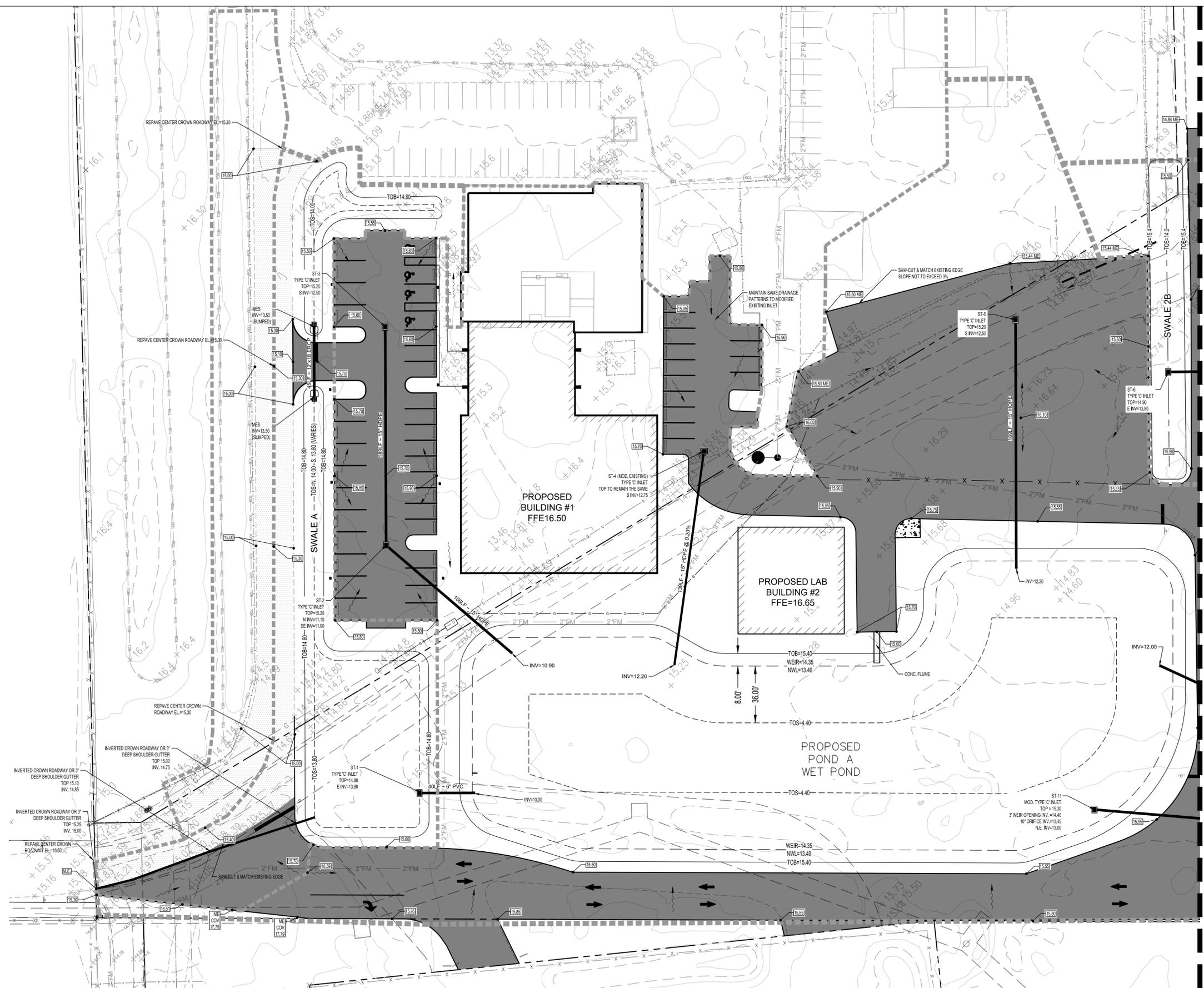
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SHEET C1.03A	

Scale: 1" = 30'



PROPOSED LEGEND

- DENOTES CONCRETE
- DENOTES ASPHALT PAVEMENT
- DENOTES STRUCTURE
- DENOTES DETECTABLE WARNING
- ELEV PROPOSED ELEVATION
- PROPOSED ROOF FRAIN
- 0.00 EXISTING ELEVATION
- PROP FLOW DIRECTION ARROW
- FFE FINISH FLOOR ELEVATION
- CT CURB TAPER
- ME MATCH EXISTING GRADE
- TOC TOP OF CURB



MATCHLINE SEE SHEET C1.03B FOR CONTINUATION

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Project #: -

SHEET C1.04

Scale: 1" = 50'

AS-BUILTS:

POTABLE WATER:

A. THE CONTRACTOR SHALL LOCATE VALVES, FITTINGS, SERVICES, LOCATOR BALLS, HYDRANTS, AIR RELEASE VALVES, ETC., BY USING A TWO (2) POINT SWING MEASUREMENT FROM PERMANENT PHYSICAL FEATURES THAT CAN READILY BE FOUND ON THE DRAWING AND IN THE FIELD. THESE MEASUREMENTS SHALL BE SHOWN ON THE "AS-BUILT" DRAWING BY THE CONTRACTOR AND PRESENTED TO THE ENGINEER AT EACH PAY ESTIMATE REQUEST FOR PERMANENT RECORDING.

SEWER MAIN:

A. THE CONTRACTOR SHALL LOCATE SEWER MAINS, BENDS, FITTINGS, ETC. BY USING A TWO (2) POINT SWING MEASUREMENT FROM PERMANENT PHYSICAL FEATURES THAT CAN READILY BE FOUND ON THE DRAWING AND IN THE FIELD. ALL SERVICE LATERALS WILL BE LOCATED BY STATION OFFSET BETWEEN MANHOLE RIMS.

B. THE CONTRACTOR SHALL FURNISH "AS-BUILT" TOP OF PIPE ELEVATIONS EVERY 500 FEET OF ALL FORCE MAINS AND AT ALL CHANGES IN GRADE AS REQUIRED BY THE LOCAL JURISDICTION UTILITY.

C. PROFILES WILL BE PROVIDED AS PART OF THE AS-BUILTS SUBMITTAL ONCE CONSTRUCTED.

FIRE MAIN NOTES:

ALL FIRE LINES SHALL HAVE A CONTINUOUS #10 COLOR-CODED WIRE (TO MATCH PIPE COLOR-CODING) ATTACHED SECURELY TO THE PIPE. THE WIRE SHALL BE LAID ON TOP OF THE PIPE AND SECURED TO RESTRAINER BOLTS.

ALL PROJECTS/WORK SHALL COMPLY WITH THE CURRENTLY ADOPTED EDITION OF THE FLORIDA FIRE PREVENTION CODE (FFPC) AND APPLICABLE CODES AND STANDARDS. NFPA 1 CHAPTER 16, 18 AND NFPA 241 COMPLIANCE REQUIRED. PER FFPC, NFPA 1: 1.14.4 - REVIEW AND APPROVAL BY THE AHJ SHALL NOT RELIEVE THE APPLICANT OF THE RESPONSIBILITY OF COMPLIANCE WITH THIS CODE. IF ALTERATIONS OR MODIFICATIONS ARE MADE TO THE APPROVED PLANS, RESUBMITTAL AND RE-REVIEW MAY BE REQUIRED.

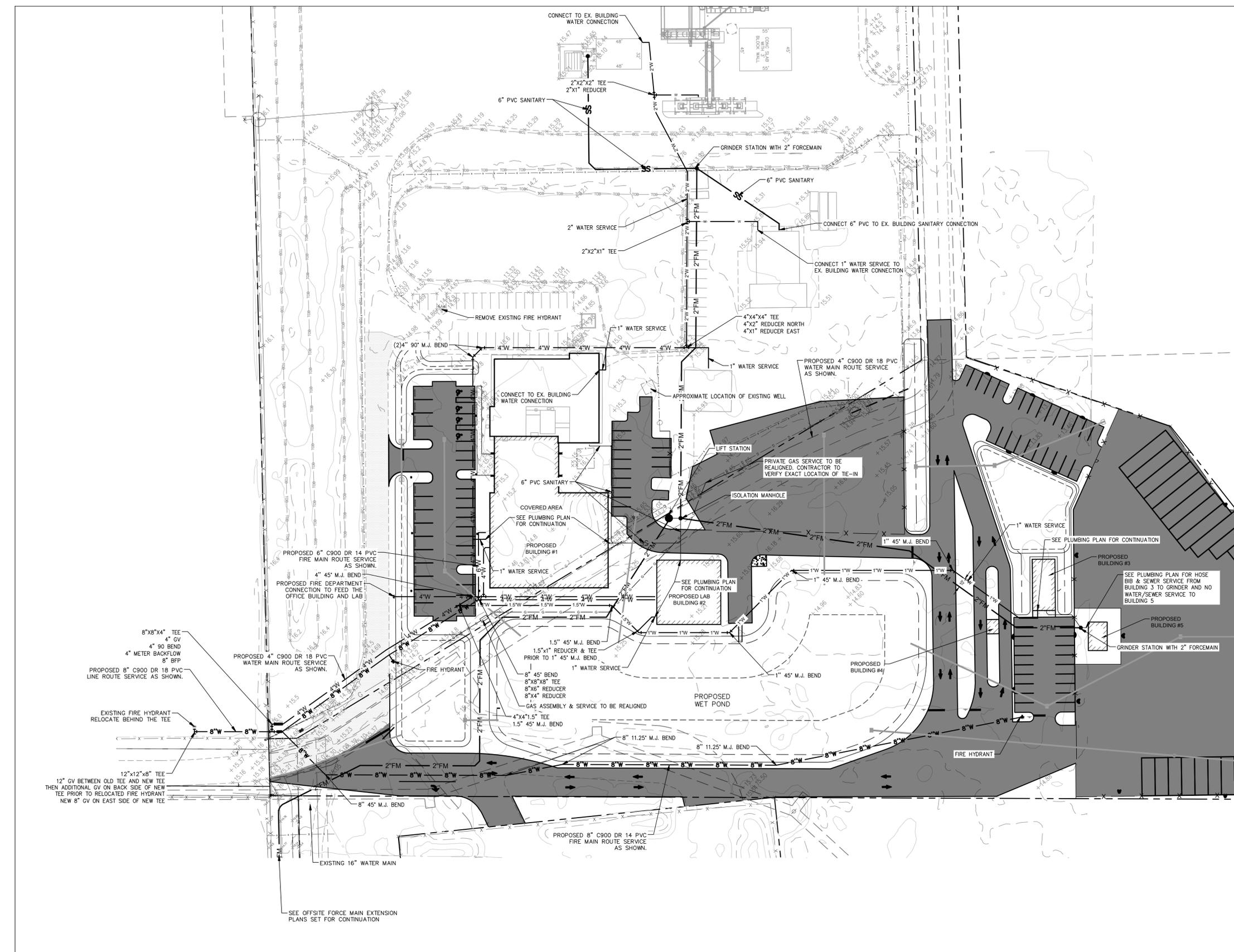
POTABLE WATER MAINS AND RECLAIMED (RE-USE) WATER MAINS :

- PVC PIPE SHALL MEET THE REQUIREMENTS OF:
4" TO 12" AWWA C-900
14" TO 36" AWWA C-905
3" OR LESS IN ACCORDANCE WITH THE CITY OF VENICE UTILITY MANUAL.
- THE APPROPRIATE CLASS SHALL BE AS FOLLOWS: COLORED BLUE FOR WATER, PURPLE FOR REUSE, CLASS 150 DR18 - RESIDENTIAL AND ALL NON-COMMERCIAL AREAS AND ALL STREET CROSSINGS (OPEN-CUT, DIRECT BURY), CLASS 200 DR14 - ALL COMMERCIAL AND INDUSTRIAL AREAS.
- DUCTILE IRON PIPE SHALL BE CEMENT LINED, CLASS 51, OR PRESSURE RATED AT 350. MECHANICAL JOINT OR PUSH-ON JOINT SHALL MEET ALL THE REQUIREMENTS OF THE FOLLOWING ANSII/AWWA C111/A 21.11 (FOR RUBBER GASKET JOINTS); ANSII/AWWA C150/21.50 (FOR THICKNESS DESIGN) AND ANSII/AWWA C151/A 21.51 (FOR DUCTILE IRON PIPE MOLDS). A. CEMENT LINED DUCTILE IRON PIPE MAY BE USED ON ALL TYPES OF WATER MAINS.
- FITTINGS FOR DUCTILE IRON AND ALL PVC PIPE WILL BE CEMENT LINED DUCTILE IRON, MECHANICAL JOINT, 350 PRESSURE RATED, AND SHALL COMPLY WITH ANSII/AWWA C11/A 21.10 OR C13/A 21.23 AND C111/A 21.11 OR U.S. PIPES "PERMAUSE" EPOXY. ALL MJ FITTINGS ARE TO BE RESTRAINED WITH MEGA LUGS, OR ROMAC GRIPPER RINGS. NO PVC FITTINGS PERMITTED.
- P.E. PIPE SIZES 1/2" THROUGH 3 1/2" SHALL CONFORM TO AWWA C-901 STANDARDS. P.E. PIPE SIZES 4" THROUGH 63" SHALL CONFORM TO AWWA C-906 STANDARDS.
- INSTALLATION OF WATER MAINS SHALL BE IN ACCORDANCE WITH ANSII/AWWA C900 (MANUAL M23) FOR PVC PRESSURE PIPE AND C800 FOR DUCTILE IRON PIPE.
- ALL GATE VALVES ARE TO BE EPOXY LINED AND WITH RESILIENT WEDGE OR SEAT SIZES THRU 10" MANUFACTURED BY MUELLER OR M.H.
- BACKFILL & COMPACTION: AS PER STANDARD DETAIL FOR WATER SYSTEMS.
- PRESSURE TESTING SHALL BE IN ACCORDANCE WITH ANSII/AWWA C-600 (LATEST REVISION). TEST: 150 PSI DURATION: 2 HOURS TESTING LENGTH: 1500 LF MAXIMUM
- LEAKAGE FORMULA IN ACCORDANCE WITH THE CITY OF VENICE UTILITY MANUAL
- TAPPING SLEEVES IN ACCORDANCE WITH THE CITY OF VENICE UTILITY MANUAL
- ALL TAPPING VALVES ARE TO BE EPOXY LINED AND WITH RESILIENT WEDGE OR SEAT, MANUFACTURED BY MUELLER OR M.H.
- PAIN ALL EXPOSED PIPE AS PER SPECIFICATIONS IN THE PROTECTIVE COATING (EXTERNAL) SECTION.
- FIRE PROTECTION: MATERIALS SHALL MEET AWWA B-502 OR 503.
- BACKFLOW PREVENTOR ASSEMBLIES SHALL CONFORM TO AWWA M-14 STANDARDS.
- ALL COLD-WATER METERS-DISPLACEMENT TYPE, BRONZE MAIN CASE, SIZE 1/2" THROUGH 2" SHALL MEET THE REQUIREMENT OF AWWA C700.
- ALL WATER METER COMPONENTS THAT COME INTO CONTACT WITH DRINKING WATER SHALL CONFORM WITH NSF STANDARD 61.
- ALL MAINS TO HAVE A MINIMUM COVER OF 36 INCHES.
- WHEN NEW HYDRANTS ARE INSTALLED, THEY SHOULD BE TEMPORARILY BAGGED FOR NO MORE THAN 1 OR 2 BUSINESS DAYS AND THEN BONNET SHALL BE PAINTED BLACK. IF THE PROJECT HAS FDEP WATER PERMIT THE WATER MAINS MUST BE CERTIFIED PRIOR TO FLOW TESTING. IF THERE IS NO FDEP WATER PERMIT, THEN THERE SHALL BE 2 DAYS OF PASSING BACT TEST RESULTS PRIOR TO FLOW TESTING. AFTER THE HYDRANT HAS BEEN FLOW TESTED IT SHALL IMMEDIATELY BE PAINTED AN APPROPRIATE COLOR AND PLACED INTO SERVICE. IF THERE IS NO ONE WITH THE PROPER PAINT AT THE FLOW TEST, THE TEST SHALL BE RESCHEDULED.
- PER DIRECTION FROM THE FIRE MARSHAL, ALL JOINTS ON THE FIRE LINE FROM THE FIRE LINE BACKFLOW PREVENTOR TO THE BUILDING AND ALL JOINTS ON THE LINE FROM THE BUILDING TO THE FIRE DEPARTMENT CONNECTION SHALL BE RESTRAINED AND RESTRAINTS SHALL BE COATED WITH A BITUMINOUS OR OTHER ACCEPTABLE CORROSION RETARDING MATERIAL.
- ALL EXISTING VALVE BOXES AND BLOW-OFFS SHALL BE RAISED TO THE PROPOSED GRADE.

GRAVITY SEWER:

- ALL SEWER LINES BETWEEN MANHOLES SHALL BE ABSOLUTELY STRAIGHT AND TRUE. NO CURVATURE SHALL BE TOLERATED. DEVIATION FROM LINE OR GRADE SHALL NOT BE MORE THAN 1/2 INCH FOR LINE AND 1/2 INCH FOR GRADE AT ANY SINGLE POINT.
- PIPE LAYING SHALL PROCEED UPGRADE WITH SPIGOT ENDS POINTING IN DIRECTION OF FLOW.
- TRENCH BOTTOM SHALL FORM A CONTINUOUS AND UNIFORM BEARING AND SUPPORT FOR THE PIPES.
- ALL INSTALLED GRAVITY SEWER PIPE IS TO BE WASHED WITH A HIGH PRESSURE WATER HOSE AND TELEVIEWED WITH IN-LINE VIDEO CAMERA. THE VIDEO CAMERA SHALL HAVE PAN AND TILT CAPABILITIES AND ALL LATERALS WILL BE INSPECTED. A COPY OF THE VIDEO TAPE WILL BE TURNED OVER TO THE PROJECT ENGINEER FOR APPROVAL, AFTER WHICH IT WILL BE GIVEN TO THE JURISDICTIONAL UTILITY DEPARTMENT FOR FINAL APPROVAL. A REPRESENTATIVE FROM THE LOCAL JURISDICTIONAL UTILITY DEPARTMENT MUST BE PRESENT DURING CLEANING AND VIDEO TAPING.
- ALL GRAVITY SEWER PIPE SHALL BE AIR TESTED PER THE LOCAL UTILITY JURISDICTION SPECIFICATIONS.
- INFILTRATION OR EXFILTRATION TEST ARE NOT ACCEPTABLE FOR PIPE.
- ALL TEES, STUBOUTS AND SERVICE CONNECTIONS ARE TO BE PLUGGED WITH ACCEPTABLE GASKETED CAP OR PLUG CAPABLE OF WITHSTANDING INTERNAL TEST PRESSURES. ALL PLUGS OR CAPS MUST BE REMOVABLE AND THEIR REMOVAL SHALL PROVIDE A SOCKET SUITABLE FOR MAKING A FLEXIBLE JOINTED CONNECTION OR EXTENSION.
- ALL GRAVITY SEWER PIPE SHALL BE PVC GRAVITY SEWER PIPE HEAVY WALL SDR26 W/ LOCKED IN O-RING.
A. CUTS LESS THAN 5' DEEP OR DEEPER THAN 10' SHALL BE C900 DR18 PIPE.
B. PIPE BETWEEN MANHOLE AND LIFT STATION SHALL BE DR14 PIPE.
C. PIPE CROSSING POTABLE WATER MAINS WITHIN 18" SHALL BE C900 PVC DR18.
- ANY SANITARY CLEANOUT LOCATED IN A CONCRETE SIDEWALK SHALL HAVE A TRAFFIC BEARING LID.

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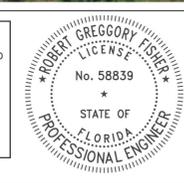
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OFFSITE UTILITY CONNECTION PLAN

SITE AND DEVELOPMENT PLANS

Fisher Engineering
CIVIL ENGINEERING CONSULTANTS

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ROADWAY SECTION DESIGN (MINIMUM THICKNESS)

STREET CLASSIFICATION	(1) ASPHALT SURFACE:	(2) BASE: B-12.5 CTB CCA	(3) SUB-GRADE: TYPE B STAB.
PRIVATE ACCESSWAY & LIGHT DUTY PARKING	2" TYPE SP-9.5 (INSTALLED AS TWO 1" LIFTS)	4" 8" 8"	8" MIN 40 LBR
RESIDENTIAL STREET	2" TYPE SP-9.5 (INSTALLED AS TWO 1" LIFTS)	5" 10" 10"	12" MIN 40 LBR
INDUSTRIAL STREET (PUBLIC/PRIVATE)	2" TYPE SP-12.5 & 1" TYPE FC-9.5	5" 10" 10"	12" MIN 40 LBR
COLLECTOR / ARTERIAL STREET	3" TYPE SP-12.5 & 1" TYPE FC-9.5	5" 10" 10"	12" MIN 40 LBR

- ALL STREETS WITHIN THE CITY LIMITS SHALL MEET THE MINIMUM DESIGN STANDARDS AS ESTABLISHED IN THIS DETAIL.
- ALL INSTALLATION METHODS AND MATERIALS SHALL CONFORM WITH THE LATEST EDITION OF THE FOOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- CRUSHED CONCRETE AGGREGATE (CCA) MUST HAVE AN LBR ≥ 150 . SHELL IS NOT AN ACCEPTABLE BASE MATERIAL.
- CEMENT TREATED BASE:
 - THE MATERIAL TO BE USED AS THE FILLER AGGREGATE IN CTB MUST BE LBR TESTED PRIOR TO DESIGN FORMULATION (ADDING CEMENT). THIS MATERIAL MUST ACHIEVE AN LBR VALUE OF ≥ 100 .
 - CTB DESIGN CRITERION SHOULD TARGET RANGE FROM 175 TO 275 PSI ON 7 DAY BREAK. TESTING MUST BE PROVIDED TO VERIFY THE COMPRESSIVE STRENGTH OF THE MIX.
- ALL GRANULAR COURSES OF ROAD CONSTRUCTION MUST BE COMPACTED TO 98% OF ITS OPTIMUM DENSITY AS PER T-180 (AASHTO). CTB SHALL BE COMPACTED TO 98% OF ITS LAB FORMULATION DENSITY (AASHTO T-99).
- ALL MINERAL MATERIALS USED IN CONSTRUCTION OF ROADWAYS MUST MEET THE FOLLOWING CRITERIA:
 - FINES (PASSING # 200 SIEVE) MUST BE LIMITED TO $\leq 12\%$, ORGANICS LIMITED TO $\leq 5\%$, NO DELETERIOUS MATERIALS.
- SIGNAGE AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH LATEST EDITION OF THE FOOT ROADWAY AND TRAFFIC DESIGN STANDARDS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD MANUAL).
- ALL CITY STREET SIGNS WILL BE BLUE BACKGROUND WITH 6" WHITE LETTERS AND CONSTRUCTED WITH HIGH INTENSITY REFLECTORIZED MATERIAL. ALL STREET SIGNS SHALL BE 9 INCHES WIDE AND APPROVED BY THE DIRECTOR OF PUBLIC WORKS PRIOR TO INSTALLATION.
- ALL CURB PADS SHALL MEET THE SAME STRUCTURAL AND COMPACTION STANDARDS AS ROAD SUB GRADE. THESE PADS WILL EXTEND TO AT LEAST 12' BEYOND THE CURB.
- UNDERDRAINS OR SIDEDRAINS MAY BE INCLUDED WHEN THE GROUND WATER LEVELS MAY AFFECT THE STRUCTURAL INTEGRITY OF THE ROAD. THIS DESIGN SHALL BE THE RESPONSIBILITY OF ENGINEER OF RECORD.
- ANY PROPOSED TRAFFIC CALMING DEVICES MUST BE APPROVED BY THE CITY ENGINEER & FIRE CHIEF.
- ASPHALT COURSES AND CONCRETE SHALL NOT BE PLACED WHILE RAIN IS FALLING, OR WHEN THERE IS STANDING WATER ON THE SURFACE TO BE COVERED.
- TACK COAT SHALL BE APPLIED BETWEEN ALL ASPHALT LAYERS.

TYPICAL ROADWAY SECTION N.T.S.

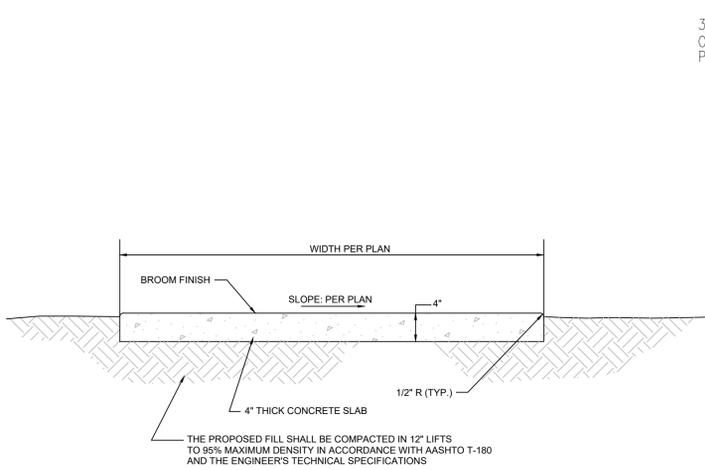
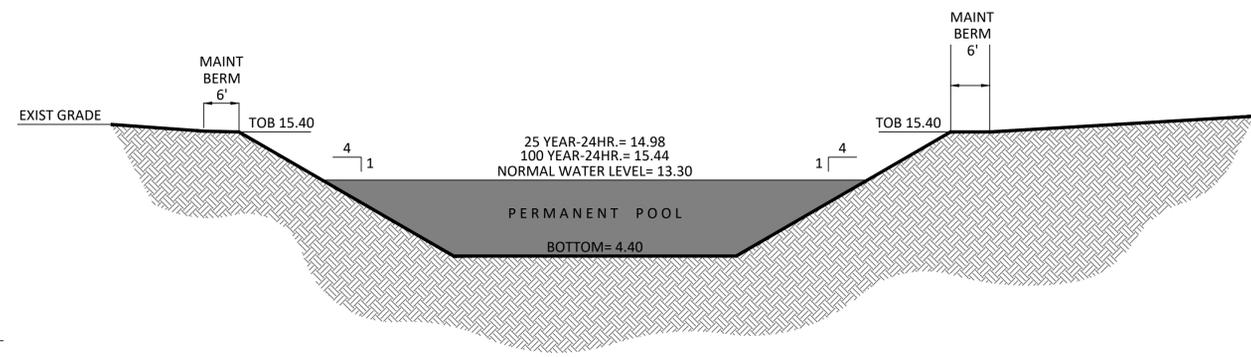
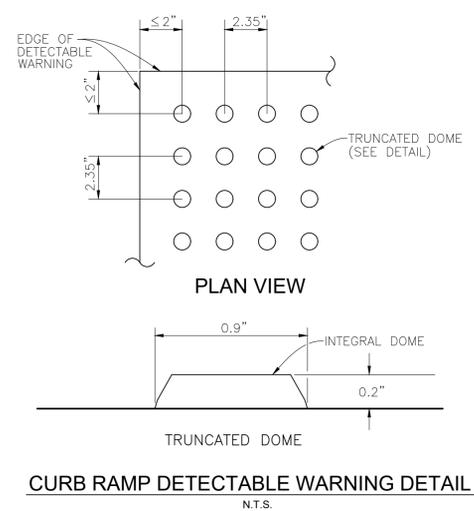
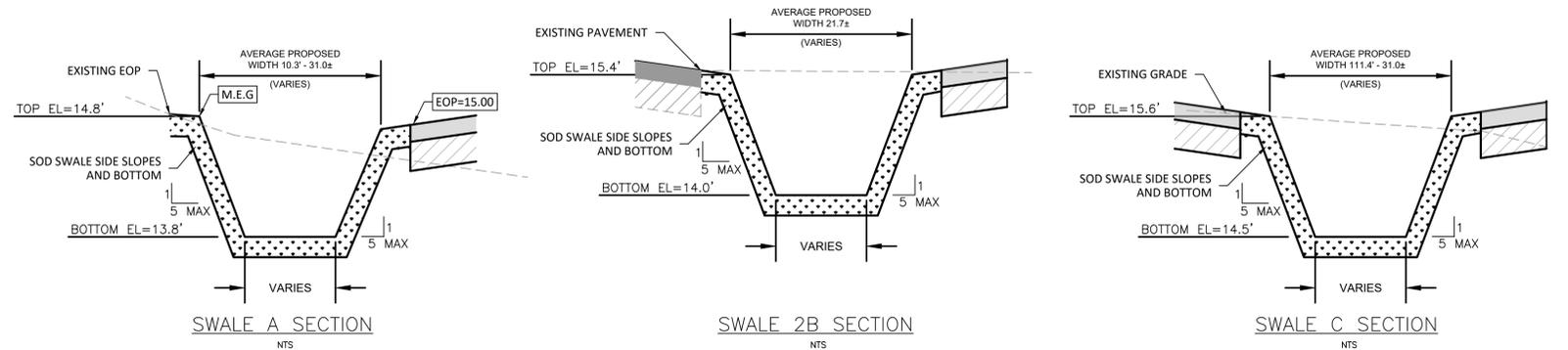
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VENICE, FL 34285
ENGINEERING DEPARTMENT (941) 486-2626

ENGINEERING

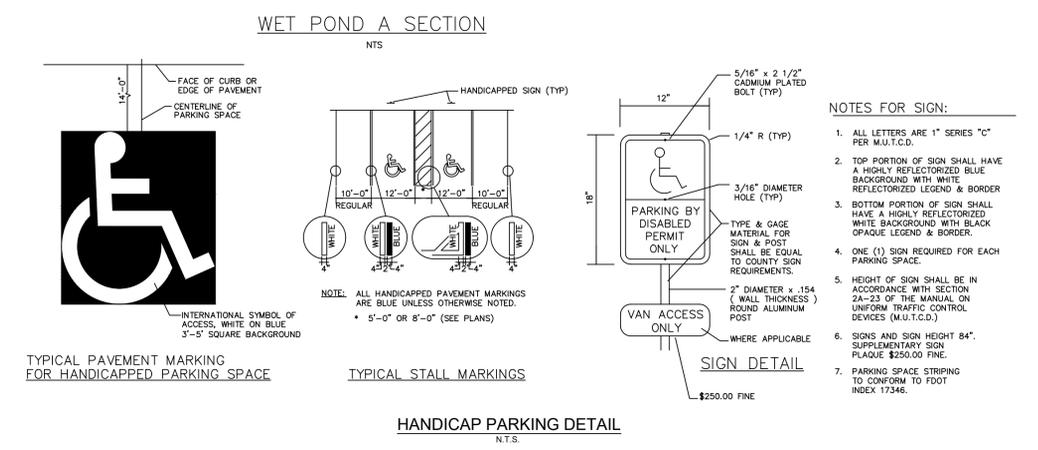
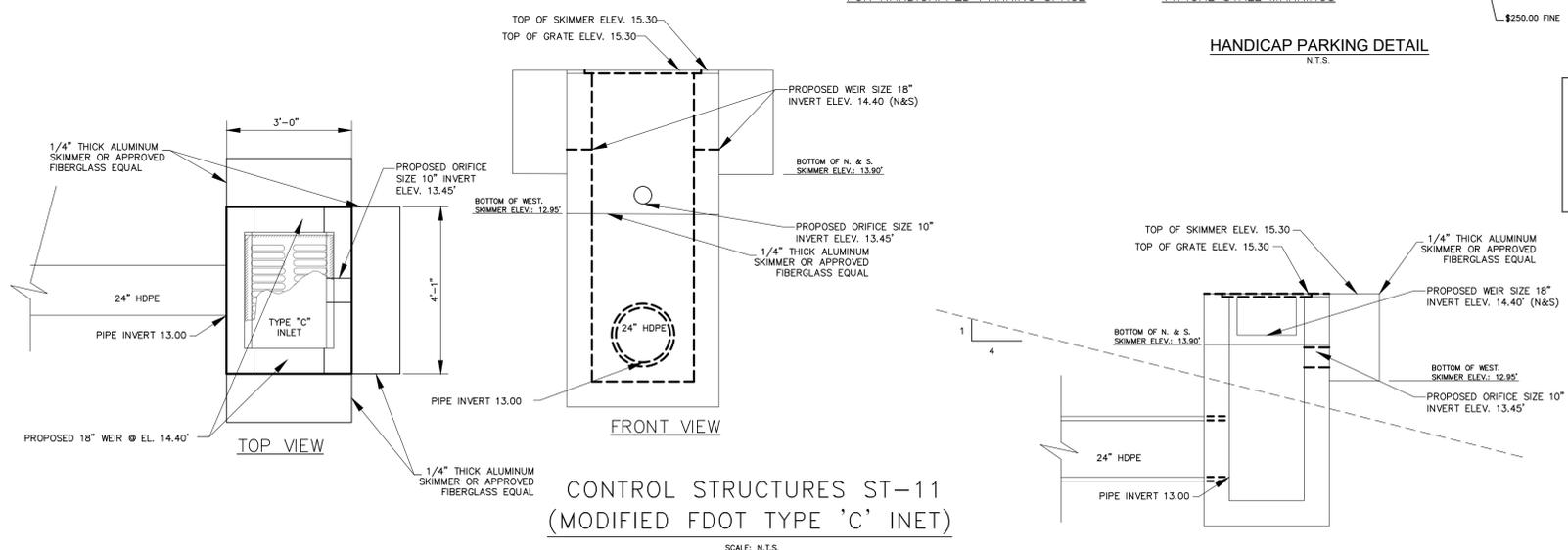
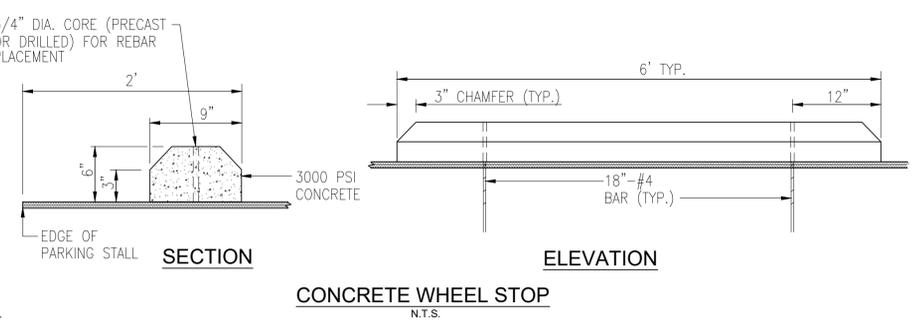
TYPICAL ROADWAY SECTION

DATE
MAR 2025

SHEET NO.
ENG-3



- SIDEWALK NOTES:**
- CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 3000 P.S.I. IN 28 DAYS WITH FIBROUS CONCRETE REINFORCEMENT.
 - CONTRACTION JOINTS SHALL BE SAW CUT TO A 1 1/2" DEPTH AT INTERVALS EQUAL TO THE WIDTH OF THE SIDEWALK.
 - AN EXPANSION JOINT WILL BE PLACED AT THE END OF ALL RETURNS AT FIXED OBJECTS (DRIVEWAYS, CURBS, ETC.) AND INTERVALS NOT TO EXCEED 50'. EXPANSION JOINTS SHALL BE CONSTRUCTED WITH 1/2" PREFORMED JOINT FILLER.
 - ALL SIDEWALKS AND SIDEWALK CROSSING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA).



This item has been digitally signed and sealed by Robert G. Fisher, P.E. on the date adjacent to the seal.

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SITE DETAILS
 SITE AND DEVELOPMENT PLANS

AJAX PAVING EXPANSION

in accordance with 615-35.003 (3) F.C.C. these preliminary drawings are not to be used for construction without being transmitted to the public agency to receive agency review, comments and interpretations. The documents may subsequently be reviewed and approved for final action by the agency. Changes, revisions and modifications to a project may prompt additional document submittal for agency approval. 6/20/20. 04. 100. 3/20/20. 4/20/20.

ROBERT GREGORY FISHER
 LICENSE No. 58839
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

Revisions:

Date:	3-28-2025
Scale:	SHOWN
Drawn By:	CM
Checked By:	GF
Project #:	-

ROBERT G. FISHER P.E.
 FLA. LIC. NO. 58839
 C.A. NO. 31696
 DATE:

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