

FEMA DESIGNATION:
THE SUBJECT PROPERTY AS SHOWN HEREON IS LOCATED IN 'FLOOD ZONE X', (MINIMAL RISK AREAS OUTSIDE THE 1-PERCENT AND .2-PERCENT-ANNUAL-CHANCE FLOODPLAINS. NO BFEs OR BASE FLOOD DEPTHS ARE SHOWN WITHIN THESE ZONES), AS

WATER:
POTABLE WATER SERVICE WILL BE PROVIDED BY - EMERALD COAST UTILITY AUTHORITY

SEWER:
WASTEWATER SERVICE WILL BE PROVIDED BY PRIVATE SEPTIC SYSTEM.

THIS PROJECT SHALL UTILIZE PROPOSED STORMWATER RETENTION PONDS SIZED TO MEET THE REGULATORY REQUIREMENTS OF

TOPOGRAPHIC INFORMATION PROVIDED BY A SURVEY FROM RUBEN SURVEYING AND MAPPING., DATED OCTOBER 26, 2021 **ELEVATIONS ARE IN NAVD 88 DATUM.**

-ESCAMBIA COUNTY - DEVELOPMENT ORDER

-FDEP - ENVIRONMENTAL RESOURCE PERMIT NO. IND-033-303397-1 -FDOH - SEPTIC PERMIT NO. 17-S2-2426002

-ECUA UTILITIES/FDEP - WATER SINGLE SERVICE CONNECTION NO. 2021-564

1. ALL CONSTRUCTION COVERED BY THESE PLANS SHALL COMPLY WITH THE MATERIAL REQUIREMENTS AND QUALITY CONTROL

STANDARDS CONTAINED IN THE ESCAMBIA COUNTY LAND DEVELOPMENT CODE. 2. NO SITE WORK SHALL BE CONDUCTED PRIOR TO OBTAINING A "SITE PERMIT" FROM THE COUNTY.

TELEPHONE: AT & T FLORIDA

850-436-1488

3. ALL MATERIALS, MACHINERY, AND VEHICLES SHALL BE STORED ON-SITE IN AN ORDERLY FASHION. 4. ALL STORMWATER MANAGEMENT SYSTEMS SHALL BE COMPLETED PRIOR TO THE CONSTRUCTION OF IMPERVIOUS AREAS.

UTILITY PROVIDERS

PO BOX 15311 PENSACOLA, FLORIDA 32514

PENSACOLA, FLORIDA 32514

1625 ATWOOD DRIVE

ENERGY SERVICES OF PENSACOLA

CABLE TV: 2421 EXECUTIVE PLAZA PENSACOLA, FLORIDA 32504

605 WEST GARDEN STREET

PENSACOLA, FLORIDA 32501

5120 DOGWOOD DRIVE MILTON, FLORIDA 32570

PENSACOLA, FLORIDA 32505

ELECTRIC: GULF POWER

PROJECT OWNER AND CONSULTANTS

OWNER/APPLICANT: PNS BRIESE DISTR. LLC. 687 OLD WILLETS PATH HAUPPAUGE, NEW YORK 11788 CONTACT: GARY KRUPNICK (516) 315-9480

SURVEYOR:
RUBEN SURVEYING & MAPPING 913 GULF BREEZE PARKWAY, SUITE 6 GULF BREEZE, FLORIDA 32561

CIVIL ENGINEERING CONSULTANT: KIMLEY-HORN AND ASSOCIATES, INC 120 RICHARD JACKSON BOULEVARD, SUITE 230 PANAMA CITY BEACH, FL 32407 CONTACT: ERIN STEWART (850) 764-6342

Gross Project Area: Wetland Area: Current Zoning: Parking Spaces Required: Parking Spaces Provided: Contour Interval: Front Setback: Rear Setback: Side Setback: Building Height (feet): Max. Impervious:

Existing Impervious Area:

Impacted Wetland Area:

Pervious Area:

Wetland Area:

Proposed Impervious Area:

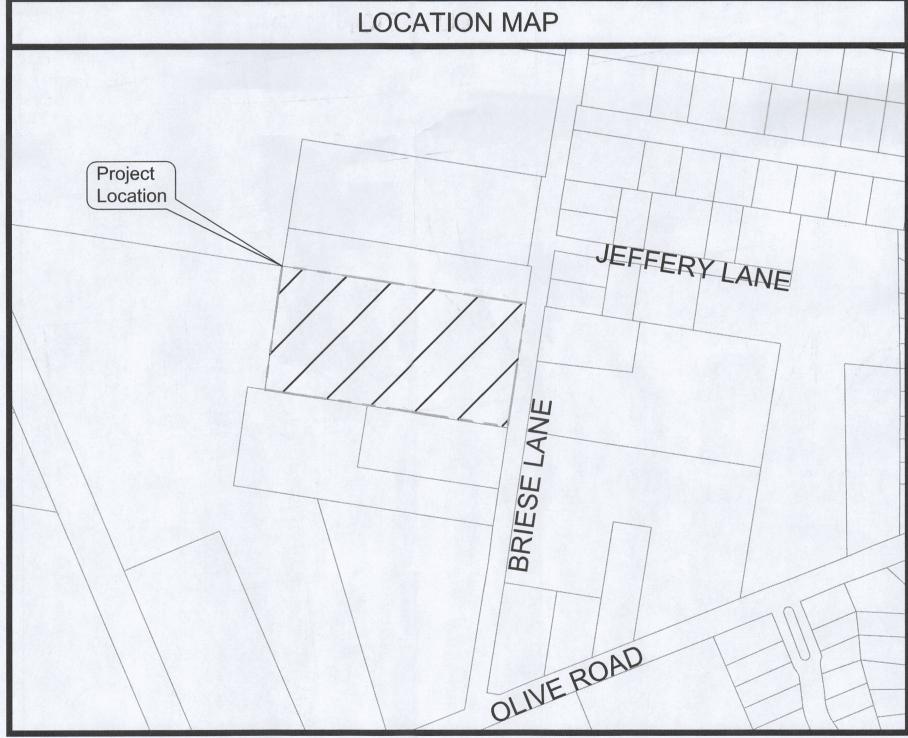
0.24 Acres Light Industrial (LI) 0.5 per 1,000 SQFT or 1 Per Employee 17, 1 Per Employee 0.5 Foot NAVD88 15 feet 15 feet 10 feet 34 feet 90% 1.83 Acres 3.60 Acres 0.25 Acres 0.25 Acres

CONSTRUCTION PLANS FOR PODS WAREHOUSE EXPANSION

ESCAMBIA COUNTY, FLORIDA

SECTION 21 TOWNSHIP 1 SOUTH, RANGE 30 WEST

JUNE 2022



SCALE: 1" = 250'

ECUA Required Plan Notes

(notes shall be inserted in the upper right corner of title sheet)

A. ECUA Engineering Manual Incorporated by Reference

The ECUA Engineering Manual, dated December 18, 2014, along with any listed site or office, via digital or paper format. In the event of a conflict between the Manual and the Plans, Contractor shall consult Engineer of Record on the

B. Additional Documents (to be completed by the Engineer of Record)

Does this Project have additional technical specifications or construction details that supersede the Manual listed above? YES NO. If yes, Contractor shall construct Project in accordance with said documents as listed and located below:

Specifi- cation	Detail	Plans	Project Manual	
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*Project Manuals used only with ECUA CIP Projects

C. Engineer of Record Responsibilities

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

COVER SHEET GENERAL NOTES **EXISTING CONDITIONS** C102 DEMOLITION AND EROSION CONTROL PLAN GRADING AND DRAINAG UTILITY PLAN CONSTRUCTION DETAILS LANDSCAPE PLAN

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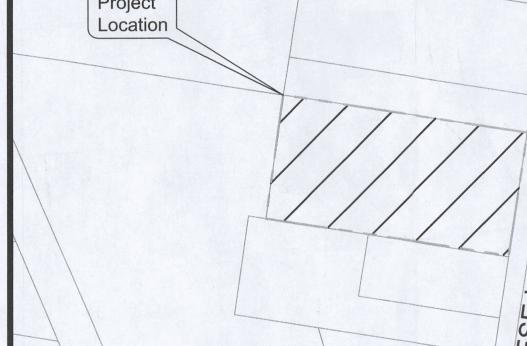
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of applicable Escambia County Regulations and Ordinances, and does not in any way relieve the submitting Architect, Engineer, Surveyor or other signatory from responsibility of details as drawn. A Development Order (DO) must be obtained through the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

> SHEET NUMBER C000

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- ALL CONSTRUCTION COVERED BY THESE PLANS SHALL COMPLY WITH THE MATERIAL REQUIREMENTS AND QUALITY CONTROL STANDARDS CONTAINED IN THE ESCAMBIA COUNTY LAND DEVELOPMENT CODE. WATER, SEWER AND RECLAIMED WATER SHALL COMPLY WITH EMERALD COAST UTILITY AUTHORITY (ECUA) CURRENT DESIGN STANDARDS AND SPECIFICATIONS
- 2. ELEVATIONS BASED ON SURVEY PROVIDED BY RUBEN SURVEYING AND MAPPING., DATED OCTOBER 16, 2021.
- 3. THE CONTRACTOR IS RESPONSIBLE FOR INSPECTING THE SITE PRIOR TO CONSTRUCTION
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL/DISPOSAL OF ANY UNSUITABLE MATERIAL FROM THEIR OPERATION, FURNISHING AND COMPACTING SUITABLE REPLACEMENT BACKFILL MATERIAL IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS REQUIRED FOR THE
- . THE LOCATION OF ALL UTILITIES SHOWN ON THE DRAWINGS ARE FROM INFORMATION PROVIDED BY FIELD OBSERVATIONS AND AS BUILT DATA FROM 2007 PERMIT PLANS.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM, IN THE FIELD, THE LOCATIONS AND ELEVATIONS SHOWN PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- 8. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION AND BUILDING PLACEMENT WITH ALL OTHER UTILITIES
- 9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PRODUCE, SUBMIT AND OBTAIN APPROVAL OF REPRODUCIBLE "AS-BUILT" DRAWINGS FROM JURISDICTIONAL AGENCIES AS MAY BE REQUIRED.
- 10. "AS-BUILT" INFORMATION SHALL BE MAINTAINED BY THE CONTRACTOR. CONTRACTOR SHALL EMPLOY THE SERVICES OF A SURVEYOR REGISTERED IN THE STATE OF FLORIDA TO DETERMINE ALL "AS-BUILT" INFORMATION. UPON COMPLETION OF THE WORK THE CONTRACTOR SHALL PROVIDE UP TO SIX COPIES AND THE CAD FILE OF AS-BUILT DRAWINGS TO THE ENGINEER. ALL UNDERGROUND FITTINGS MUST BE REFERENCED TO AT LEAST TWO VISIBLE REFERENCE POINTS ON THE AS-BUILT DRAWINGS. AS-BUILT PLANS ARE REQUIRED PRIOR TO ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN ADEQUATE EROSION AND TURBIDITY CONTROLS DURING AND FOLLOWING CONSTRUCTION UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED TO AVOID ADVERSE ENVIRONMENTAL IMPACTS TO OFF-SITE PROPERTY AND DRAINAGE SYSTEMS.
- 12. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH CONSTRUCTION POLLUTION PREVENTION PLAN INCLUDED HEREIN.
- 13. THE CONTRACTOR SHALL PROVIDE A TEMPORARY WATER SERVICE OR WATER TRUCK FOR WASH-DOWN OF VEHICLES LEAVING THE PROJECT SITE IF NECESSARY.
- 14. ALL UNDERGROUND UTILITIES TO BE INSTALLED SHALL BE IN ACCORDANCE WITH THE ECUA SPECIFICATIONS AND THE APPROVED CONSTRUCTION DOCUMENTS.
- 15. THE CONTRACTOR(S) SHALL NOTIFY ALL APPLICABLE UTILITIES COMPANIES, THE ENGINEER OF RECORD, AND THE PROPERTY OWNER 48 HOURS PRIOR TO INITIATING ANY EXCAVATION ACTIVITIES, OR AS SPECIFIED BY THE UTILITIES COMPANIES AND THE PERMITS OBTAINED FOR THE WORK.
- 16. THE ENGINEER OF RECORD SHALL BE GIVEN FORTY EIGHT HOURS (48-HR) NOTICE OF ALL MEETINGS AND OR TESTING MEASURES RELATED TO SAID PROJECT.
- 7. CONSTRUCTION WARNING SIGNS ARE TO BE MOUNTED AND ERECTED BEFORE CONSTRUCTION CAN COMMENCE. THESE AND ALL TRAFFIC CONTROL DEVICES SHALL FOLLOW THE STANDARDS SET FORTH BY THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS WELL AS FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT)
- 18. THE CONTRACTOR IS RESPONSIBLE FOR CLEARLY IDENTIFYING THE AREA OF CONSTRUCTION AND SAFELY ROUTING ALL VEHICULAR AND PEDESTRIAN TRAFFIC AROUND THE CONSTRUCTION AREA. THE CONSTRUCTION AREA SHALL BE CLEARLY MARKED AT ALL TIMES.
- 19. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE SODDED ACCORDING TO LOCAL REGULATIONS.
- 20. THE CONTRACTOR(S) SHALL LOCATE, VERIFY, AND IDENTIFY ALL EXISTING UNDERGROUND UTILITIES SHOWN OR NOT SHOWN ON THE PLANS PRIOR TO ANY EXCAVATING ACTIVITIES.
- 1. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO EXCAVATION AND TAKE ALL MEASURES NECESSARY TO PROTECT UTILITIES DURING CONSTRUCTION. SHOULD ANY UTILITY LINE OR COMPONENT BECOME DAMAGED OR REQUIRE RELOCATION THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE RESPONSIBLE UTILITY COMPANY, THE ENGINEER OF RECORD, AND THE COUNTY.
- 22. THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES, SURVEY MARKERS, MONUMENTS, ETC. DURING CONSTRUCTION. THE CONTRACTOR SHALL RESTORE/REPLACE ANY DAMAGE DONE BY CONSTRUCTION ACTIVITIES.
- 23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES CAUSED BY HIS OPERATIONS.
- 24. THERE SHALL BE A MINIMUM THREE (3) DAYS NOTICE GIVEN FOR SCHEDULING THE FINAL INSPECTION.
- 25. ALL LAND SHALL REMAIN VEGETATED & IN ITS NATURAL STATE UNTIL SUCH TIME AS DRC SITE PLANS AND ADDITIONAL PERMITTING APPROVAL ALLOW FOR TREE REMOVAL AND LAND DISTURBING ACTIVITIES, PER CODE. ALL TREE REMOVAL, LAND CLEARING, PLACEMENT OF FILL MATERIALS, SWALES, TRENCHING, BERMING, SITE GRADING, CUTTING, OR OTHER "LAND DISTURBING ACTIVITIES", ETC. SHALL BE PERMITTED OTHERWISE APPROVED BY THE COUNTY PRIOR TO INITIATION.

DEMOLITION NOTES:

- ALL CODES REGULATING DEMOLITION WORK SHALL BE COMPLIED BY THE CONTRACTOR. THE CONTRACTOR SHALL PUT UP AND MAINTAIN SUCH BARRIERS AND WARNING LIGHTS, AS MAY BE NECESSARY OR REQUIRED BY CODE, TO PROTECT AND PREVENT UNAUTHORIZED PERSONNEL FROM ENTERING THE DEMOLITION WORK AREA. ALL DEMOLITION OPERATIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) INSOFAR AS THEY APPLY TO DEMOLITION WORK TO BE PERFORMED UNDER THIS CONTRACT.
- PROTECTION OF BUILDINGS & FOUIPMENT TEMPORARY PROTECTIVE DEVICES, AS REQUIRED SHALL BE INSTALLED ADJACENT TO THE DEMOLITION WORK FOR PROTECTION PERSONNEL, EXISTING ADJACENT BUILDINGS, STRUCTURES AND EQUIPMENT AGAINST DUST, FALLING OR FLYING DEBRIS. ANY DAMAGE TO EXISTING STRUCTURES, FACILITIES AND/OR EQUIPMENT RESULTING FROM DEMOLITION WORK SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER
- DISPOSAL OF FXISTING EQUIPMENT & DEBRIS ALL DEBRIS AND EXISTING MATERIALS AND EQUIPMENT SHALL BE HAULED AWAY AND DISPOSED OF BY THE CONTRACTOR. THE CONTRACTOR SHALL MAKE HIS OWN ARRANGEMENTS FOR OBTAINING DISPOSAL AREAS. THE CONTRACTOR SHALL TAKE EVERY PRECAUTION TO PREVENT SPILLAGE OF MATERIALS BEING HAULED IN PUBLIC STREETS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO IMMEDIATELY CLEAN UP ANY SPILLAGE WHICH MAY ACCIDENTALLY OCCUR.
- THE CONTRACTOR SHALL MAINTAIN AN ORDER OF NEATNESS AND GOOD HOUSEKEEPING. TOOLS, SCAFFOLDING AND OTHER DEMOLITION EQUIPMENT MUST AT ALL TIMES BE KEPT IN A NEAT AND ORDERLY ARRANGEMENT. AT THE CONCLUSION OF THE DEMOLITION OPERATIONS, THE ENTIRE WORK AREA SHALL BE LEFT IN A CLEAN CONDITION AS REQUIRED FOR SUBSEQUENT NEW WORK.

SIGNAGE AND PAVEMENT MARKING NOTES:

- . PROJECT SIGNS SHALL MEET ALL APPLICABLE REQUIREMENTS BASED ON LOCAL SIGN ORDINANCE.
- CONTRACTOR IS RESPONSIBLE FOR ALL SIGN PERMITTING.
- 3. ALL FINAL PAVEMENT MARKINGS WITHIN THE STATE AND PUBLIC RIGHT-OF-WAYS SHALL BE THERMOPLASTIC.
- 4. ALL STOP SIGNS (R1-1) SHOULD BE 30" AND FABRICATED USING 3M DIAMOND GRADE VIP REFLECTIVE SHEETING.
- 5. STOP AND STREET NAME SIGNS SHALL BE MOUNTED ONTO THE SAME POLE.
- 6. STOP LINES SHALL BE TWENTY-FOUR INCHES (24") WIDE AND LANE WIDTH.
- . ALL SIGNS SHALL BE SIZED IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)

PAVING AND DRAINAGE NOTES:

- ALL GRADING, PLACEMENT OF FILL, AND COMPACTION SHALL BE IN ACCORDANCE WITH ESCAMBIA COUNTY STANDARD SPECIFICATIONS AND THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION AND ALL APPLICABLE ADA
- 2. THE CONTRACTOR SHALL CONSTRUCT ALL DRAINAGE STRUCTURES TO THE DESIGN ELEVATIONS SHOWN AND IN COMPLIANCE WITH TYPICAL CONSTRUCTION DETAILS.
- 3. CONTRACTOR MUST SALVAGE EXISTING TOP SOIL WITHIN PROJECT SITE OR REPLACE AT HIS OWN EXPENSE.
- 4. ANY DEFICIENCY IN THE QUANTITY OF MATERIAL FOR BACKFILLING THE TRENCHES, OR FOR FILLING DEPRESSIONS CAUSED BY SETTLEMENT, SHALL BE SUPPLIED BY THE CONTRACTOR AT NO COST TO THE OWNER. THIS ALSO APPLIES TO BASE COURSE UNDER PAVED STREETS.
- 5. ALL PIPE LENGTHS SHOWN HEREIN ARE APPROXIMATE LENGTHS FROM CENTER TO CENTER OF THE RELATED STRUCTURES.
- 6. ALL PIPE LENGTHS ARE SCALED AND MAY REQUIRE SLIGHT FIELD ADJUSTMENTS TO FIT CONDITIONS. ALL PIPE CROSSINGS SHALL BE COMPACTED TO 95% MAX. DENSITY AT 1' LIFTS.
- 7. THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION OF THE PAVING AND DRAINAGE FACILITIES WITH ALL OTHER CONSTRUCTION.
- 8. ALL PIPE JOINTS SHALL BE PROPERLY FITTED AND SEALED PER PRODUCT MANUFACTURERS SPECIFICATIONS.
- 9. THE CONTRACTOR SHALL COORDINATE ALL NOTIFICATIONS AND UTILITY LOCATION EFFORTS WITH THE UTILITY
- 10. THE CONTRACTOR SHALL SUBMIT SEVEN (7) SETS OF SHOP DRAWINGS OF ALL STRUCTURES, EQUIPMENT, MATERIAL SPECIFICATIONS TO THE CONSTRUCTION MANAGER AND ENGINEER OF RECORD FOR REVIEW PRIOR TO THE PURCHASE AND/OR INSTALLATION OF ANY STRUCTURES, EQUIPMENT, AND/OR MATERIAL.
- 11. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PERMITTED CONSTRUCTION DOCUMENTS. ANY DEVIATION FROM THE APPROVED CONSTRUCTION DOCUMENTS SHALL BE THE SOLE RESPONSIBILITY OF THE ORGANIZATION AND/OR ENTITY RESPONSIBLE FOR THE INSTALLATION TO UPDATE/REPLACE ANY DEFICIENT MATERIAL/EQUIPMENT NECESSARY TO BRING THE FINAL PRODUCT TO THE STANDARDS OF THE PERMITTED
- 12. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF SEDIMENT AND EROSION CONTROL MEASURES DURING CONSTRUCTION. REFER TO THE STORMWATER POLLUTION PREVENTION PLAN.
- 13. COMPACTION DENSITIES FOR ALL ROADWAY CROSSINGS ARE TO BE TAKEN IN ONE-FOOT (1') LIFTS.
- 14. LIMEROCK BERING RATIOS FOR SUBGRADE AT FORTY (40) AND LIMEROCK OR ALTERNATIVE BASE COURSE AT ONE HUNDRED (100). THERE WILL BE NO UNDER TOLERANCE.
- 15. ALL MATERIAL USED FOR BACKFILL SHALL BE A3 FREE DRAINING SAND.
- 16. THERE ARE TO BE NO OPEN TRENCHES AT THE DAY'S END.

OWNERS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

- 17. THE CONTRACTOR SHALL ADHERE TO ALL NOTES PROVIDED IN THESE CONSTRUCTION DRAWINGS.
- 18. ALL CONSTRUCTION LINES & GRADES SHALL BE ESTABLISHED AND MAINTAINED BY THE CONTRACTOR.
- 19. CONTRACTOR WILL CLEAR, GRUB AND DISPOSE OF ALL DEBRIS AND SURFACE ORGANICS IN ALL EASEMENTS, ROAD RIGHT-OF-WAYS AND DETENTION AREAS. DISPOSAL SHALL BE INCLUDED IN THE CONTRACT.
- 20. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREVENTION OF DOWNSTREAM TURBIDITY/ SILTATION THROUGH THE USE OF HAY BALES, SCREENS, SILTATION BASINS, AND/OR ANY OTHER SUITABLE MEANS REQUIRED TO MEET FLORIDA STREAM STANDARDS. SEED AND MULCH ALL DISTURBED AREAS, SOD AS REQUIRED TO CONTROL EROSION THROUGH FINAL INSPECTION AND TO PRODUCE A UNIFORM STAND OF GRASS THROUGHOUT.
- 21. CONTRACTOR SHALL BE RESPONSIBLE FOR BRICKING UP CURB INLETS TO FINISHED GRADE AND FURNISHING AND
- 22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTING CURB TRANSITIONS TO FINISH GRADE.
- 23. UNDERDRAINS SHALL BE INSTALLED, BY THE CONTRACTOR, IN ALL CASES WHERE THE GROUNDWATER TABLE IS CLOSER THAN 24 INCHES BELOW THE PROPOSED CENTERLINE GRADE OF ANY ROAD. CONTACT ENGINEER IF ISSUE
- 24. ALL DISTURBED AREAS SHALL RECEIVE GRASS SEED, FERTILIZER, AND MULCH. AREAS SHALL HAVE BEEN FILLED AND GRADED AS NECESSARY TO PROVIDE PROPER DRAINAGE. SLOPES STEEPER THAN 4:1 SHALL BE PINNED OR EXCEPTIONS/MITIGATION:
- 25. FILTER WRAP SHALL BE USED ON ALL DRAINAGE JOINTS AS REQUIRED BY FDOT SPECIFICATIONS
- 26. A 2' STRIP OF SOD IS REQUIRED AROUND ALL DITCH BOTTOM INLETS.
- 27. ALL POND SIDE SLOPES SHALL BE STABILIZED WITH ESTABLISHED GRASS AT TIME OF FINAL INSPECTION.
- 28. HANDICAP RAMPS SHALL BE INSTALLED WHEREVER THE SIDEWALK MEETS THE CURB, AND SHALL COMPLY WITH ALL ADA REQUIREMENTS.

GEOTECHNICAL NOTES:

- 1. IF CLAYEY SOILS ARE ENCOUNTERED DURING CONSTRUCTION THE CONTRACTOR SHALL COORDINATE WITH THE PROJECT ENGINEER FOR RECOMMENDATIONS ON HOW TO PROCEED WITH THE PLACEMENT AND USE OF THESE
- 2. SHOULD ANY SINKHOLE ACTIVITY BE OBSERVED DURING CONSTRUCTION THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER IMMEDIATELY FOR GUIDANCE ON REPAIRING THE SINKHOLE.

STORMWATER NOTES:

- 1. THE PROJECT ENGINEER (ENGINEER OF RECORD) SHALL PROVIDE TO ESCAMBIA COUNTY "AS-BUILT" RECORD DRAWINGS FOR VERIFICATION AND APPROVAL BY ESCAMBIA COUNTY ONE WEEK PRIOR TO REQUESTING A FINAL INSPECTION AND CERTIFICATE OF OCCUPANCY, OR PROVIDE "AS-BUILT" CERTIFICATION THAT THE PROJECT CONSTRUCTION ADHERES TO THE PERMITTED PLANS AND SPECIFICATIONS. THE "AS-BUILT" CERTIFICATION OR THE "AS-BUILT" RECORD DRAWINGS MUST BE SIGNED, SEALED AND DATED BY A REGISTERED FLORIDA PROFESSIONAL
- 2. ALL ASPECTS OF THE STORMWATER/DRAINAGE COMPONENTS AND/OR TRANSPORTATION COMPONENTS SHALL BE 7. CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING OF ALL SANITARY PIPE AND APPURTENANCES IN COMPLETED PRIOR TO ISSUANCE OF A FINAL CERTIFICATE OF OCCUPANCY.
- 3. NO DEVIATIONS OR REVISIONS FROM THESE PLANS BY THE CONTRACTOR SHALL BE ALLOWED WITHOUT PRIOR APPROVAL FROM BOTH THE DESIGN ENGINEER AND THE ESCAMBIA COUNTY. ANY DEVIATIONS MAY RESULT IN DELAYS IN OBTAINING A CERTIFICATE OF OCCUPANCY.
- 4. THE CONTRACTOR SHALL INSTALL PRIOR TO THE START OF CONSTRUCTION AND MAINTAIN DURING CONSTRUCTION ALL SEDIMENT CONTROL MEASURES AS REQUIRED TO RETAIN ALL SEDIMENTS ON THE SITE, IMPROPER SEDIMENT CONTROL MEASURES MAY RESULT IN CODE ENFORCEMENT VIOLATION.
- 5. RETENTION/DETENTION AREAS SHALL BE SUSTAINABLY COMPLETED PRIOR TO ANY CONSTRUCTION ACTIVITIES THAT MAY INCREASE STORMWATER RUNOFF RATES. THE CONTRACTOR SHALL CONTROL STORMWATER DURING ALL PHASES OF CONSTRUCTION AND TAKE ADEQUATE MEASURES TO PREVENT THE EXCAVATED POND FROM
- 6. ALL DISTURBED AREAS WHICH ARE NOT PAVED SHALL BE STABILIZED WITH SEEDING, FERTILIZER AND MULCH,
- 7. ALL NEW BUILDING ROOF DRAINS, DOWN SPOUTS, OR GUTTERS SHALL BE ROUTED TO CARRY ALL STORMWATER TO RETENTION/DETENTION AREAS.
- 8. DEVELOPER/CONTRACTOR SHALL RESHAPE PER PLAN SPECIFICATIONS, CLEAN OUT ACCUMULATED SILT, AND STABILIZE RETENTION/DETENTION POND(S) AT THE END OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED AND PRIOR TO REQUEST FOR INSPECTION.
- 9. CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS DURING CONSTRUCTION WHICH SHOW "AS-BUILT" CONDITIONS OF ALL WORK INCLUDING PIPING, DRAINAGE STRUCTURES, TOPO OF POND(S), OUTLET STRUCTURES, DIMENSIONS, ELEVATIONS, GRADING ETC. RECORD DRAWINGS SHALL BE PROVIDED TO THE ENGINEER OF RECORD PRIOR TO REQUESTING FINAL INSPECTION.
- 10. THE OWNER OR HIS AGENT SHALL ARRANGE/SCHEDULE WITH THE COUNTY A FINAL INSPECTION OF THE DEVELOPMENT UPON COMPLETION AND ANY INTERMEDIATE INSPECTIONS AT (850)595-3472. AS-BUILT CERTIFICATION IS REQUIRED PRIOR TO REQUEST FOR FINAL INSPECTION/APPROVAL.
- 11. PRIOR TO CONSTRUCTION A SEPARATE BUILDING INSPECTION DEPARTMENT PERMIT(S) SHALL BE OBTAINED FOR ALL RETAINING WALL(S) HIGHER THAN 2 FEET.
- 12. NOTIFY SUNSHINE UTILITIES 48 HOURS IN ADVANCE PRIOR TO DIGGING WITHIN R/W; 1-800-432-4770.
- 13. ANY DAMAGE TO EXISTING ROADS DURING CONSTRUCTION WILL BE REPAIRED BY THE DEVELOPER PRIOR TO FINAL "AS-BUILT" SIGN OFF FROM THE COUNTY.
- 14. THE CONTRACTOR SHALL NOTIFY FDOT 49 HOURS IN ADVANCE PRIOR TO INITIATING ANY WORK IN THE STATE RIGHTS-OF-WAY.

WATER/SEWER SEPARATION REQUIREMENTS (ECUA/FDEP):

- 62-555.314 LOCATION OF PUBLIC WATER SYSTEM MAINS: FOR THE PURPOSE OF THIS SECTION, THE PHRASE "WATER MAINS" SHALL MEAN MAINS, INCLUDING TREATMENT PLANT PROCESS PIPING, CONVEYING EITHER RAW, PARTIALLY TREATED, OR FINISHED DRINKING WATER: FIRE HYDRANT LEADS: AND SERVICE LINES THAT ARE UNDER THE CONTROL OF A PUBLIC WATER SYSTEM AND THAT HAVE AN INSIDE DIAMETER OF THREE (3") INCHES OR GREATER.
- (1) HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT
- (A) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST (3) THREE FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
- (B) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST (3) THREE FEET, AND PREFERABLY (10) TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.
- (C) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST (6) SIX FEET. AND PREFERABLY (10) TEN FEET. BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN. OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610 F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO (3) THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST (6) SIX INCHES ABOVE THE TOP OF THE SEWER.
- (D) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST (10) TEN FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND ALL PARTS OF ANY EXISTING OR PROPOSED "ON SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM" AS DEFINED IN SECTION 381.0065(2). F.S. AND RULE 64E-6.002. F.A.C.
- (2) VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES:
- (A) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY— OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST (6) SIX INCHES, AND PREFERABLY 12 INCHES ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
- (B) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER
- (C) AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST (3) THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, STORMWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C., AND AT LEAST (6) SIX FEET FROM ALL JOINTS IN GRAVITY- OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
- (3) SEPARATION BETWEEN WATER MAINS AND SANITARY OR STORM SEWER MANHOLES:
- (A) NO WATER MAIN SHALL PASS THROUGH, OR COME INTO CONTACT WITH, ANY PART OF A SANITARY MANHOLE OR A STORM SEWER MANHOLE.
- (4) SEPARATION BETWEEN FIRE HYDRANT DRAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS. NEW OR RELOCATED FIRE HYDRANTS WITH UNDERGROUND DRAINS SHALL BE LOCATED SO THAT THE DRAINS ARE AT LEAST THREE FEET FROM ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.; AT LEAST THREE FEET AND PREFERABLY TEN FEET, FROM ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER; AT LEAST SIX FEET, AND PREFERABLY TEN FEET, FROM ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.; AND AT LEAST TEN FEET FROM ANY EXISTING OR PROPOSED "ON-SITE SEWAGE" TREATMENT AND DISPOSAL SYSTEM" AS DEFINED IN SECTION 381.0065(2), F.S., AND RULE 64E-6.002, F.A.C.
- WHERE IT IS NOT TECHNICALLY FEASIBLE OR ECONOMICALLY SENSIBLE TO COMPLY WITH THE REQUIREMENTS IN ITEMS (1) THROUGH (4) ABOVE, THE CONTRACTOR SHALL STOP WORK AND IMMEDIATELY NOTIFY THE ENGINEER OF RECORD, WHO WILL DETERMINE THE APPROPRIATE SOLUTION. IF A SUBSTANTIAL DEVIATION FROM THE PERMITTED DESIGN IS REQUIRED, A REQUEST FOR PERMIT REVISION WILL BE SUBMITTED TO THE DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) FOR APPROVAL PRIOR TO CONSTRUCTION.

SANITARY SEWER SYSTEM NOTES:

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ECUA STANDARD SPECIFICATIONS OR WATER AND SEWER CONSTRUCTION DESIGN MANUAL.
- 2. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES AND CONNECTION POINTS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL DISCREPANCIES WITH THESE PLANS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY FOR RESOLUTION.
- ALL EQUIPMENT AND MATERIALS SHALL COMPLY WITH ECUA STANDARDS FOR WATER AND SEWER CONSTRUCTION SECTION 499. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL FOUIPMENT AND MATERIAL FOR APPROVAL BY THE ENGINEER AND ECUA UTILITIES DEPARTMENT PRIOR TO THE PURCHASE OR INSTALLATION OF ANY EQUIPMENT OR MATERIAL.
- 4. GRAVITY SANITARY SEWER LINE SHALL CONFORM TO ASTM D-3034, SDR-35, COLOR GREEN AND CLEARLY MARKED AND CODED.
- . SANITARY SEWER FORCE MAIN SHALL BE PVC, C-900, DR 21, 200 PSI PRESSURE PIPE. SANITARY FORCE MAIN SHALL BE COLOR CODED GREEN AND CLEARLY MARKED. PVC FORCE MAINS SHALL HAVE LOCATING WIRES ON THE TOP AND BOTTOM OF THE FORCE MAIN IN ACCORDANCE WITH ECUA SPECIFICATIONS FOR WATER AND SEWER
- 6. CONCRETE THRUST BLOCKS SHALL BE USED ON ALL PVC PRESSURE PIPING.
- ACCORDANCE WITH ECUA SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION.
- 8. CONTRACTOR SHALL INSURE THAT THE MINIMUM HORIZONTAL AND VERTICAL CLEARANCE IS MAINTAINED TO ALL OTHER WET UTILITIES IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP)

POTABLE WATER SYSTEM NOTES:

- 1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH EMERALD COAST UTILITY AUTHORITY (ECUA) STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR THE PROPER NOTIFICATION OF INSPECTING AUTHORITIES BEFORE AND DURING CONSTRUCTION.
- 2. ALL WATER AND SEWER CONSTRUCTION SHALL BE ACCOMPLISHED BY AN UNDERGROUND UTILITY CONTRACTOR WITH A CLASS 5 LICENSE UNDER THE PROVISIONS OF CHAPTER 489, FLORIDA STATUTES.
- ALL MATERIALS AND CONSTRUCTION PROCEDURES AND TECHNIQUES SHALL BE IN ACCORDANCE WITH ECUA STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION.

POTABLE WATER SYSTEM NOTES CONTINUED:

- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL EQUIPMENT AND MATERIAL FOR APPROVAL BY THE ENGINEER AND ECUA UTILITIES DEPARTMENT PRIOR TO THE PURCHASE OR INSTALLATION OF ANY EQUIPMENT OR
- 2. EXISTING UTILITIES SHOWN ON THE PLANS HAVE BEEN SHOWN, BASED ON THE BEST INFORMATION AVAILABLE, WITHOUT EXPLORATORY EXCAVATIONS. THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ANY AND ALL DISCREPANCIES WITH THE PLANS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
- THE VERTICAL LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THE PLAN SHEETS HAVE BEEN ASSUMED. THE CONTRACTOR SHALL EXERCISE CAUTION DURING EXCAVATION NEAR EXISTING UTILITIES SHOWN ON THE PLANS AND NOTIFY THE ENGINEER IF THE LOCATION DIFFERS FROM THAT SHOWN ON THE PLANS BEFORE CONTINUING WITH CONSTRUCTION.
- 4. SHOULD ANY CONDITIONS VARY FROM THOSE SHOWN ON THESE PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER FOR RESOLUTION PRIOR TO CONTINUING CONSTRUCTION.
- 5. UNSUITABLE SOIL MATERIALS UNDER WATER AND SEWER MAINS SHALL BE REMOVED AND REPLACED WITH SELECT BACKFILL IN ACCORDANCE WITH ECUA STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION.
- ALL ROCK AND UNSUITABLE SIZED STONES (AS DESCRIBED IN THE APPLICABLE AWWA AND ECUA STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION AND/OR THE PIPE MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES) FOUND IN THE TRENCHES FOR NEW AND RELOCATED WATER MAIN PIPE SHALL BE REMOVED TO A DEPTH OF AT LEAST SIX (6) INCHES BELOW THE BOTTOM OF THE PIPE. AN APPROVED BACKFILL MATERIAL SHALL BE PROVIDED AND SHAPED TO PROVIDE A CONTINUOUS AND UNIFORM BEDDING. THE BEDDING MATERIAL SHALL BE COMPACTED IN ACCORDANCE WITH ECUA STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION, BASED ON ITS LOCATION.
- COMPACTION OF PIPE TRENCHES SHALL BE IN ACCORDANCE WITH ECUA STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION. COMPACTION SHALL BE 95% OF AASHTO T-180 IN NON-TRAFFIC AREAS AND 98% OF AASHTO T-180 IN TRAFFIC AREAS.
- WATER MAINS SHALL HAVE A MINIMUM OF 36" COVER FROM FINISHED GRADE.
- ALL PVC PRESSURE PIPING SHALL USE CONCRETE THRUST BLOCKING AT ALL BENDS AND TERMINATIONS. THRUST BLOCK SIZING SHALL BE IN ACCORDANCE WITH ECUA STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION. PVC WATER MAINS SHALL HAVE TWO LOCATING WIRES INSTALLED (ON THE TOP AND BOTTOM)
- 10. ALL WATER MAIN FITTINGS SHALL BE DIP FOR PVC AND DIP WATER MAINS 3" AND ABOVE AND USED AT LOCATIONS INDICATED ON THE PLANS, UNLESS OTHERWISE APPROVED BY THE ENGINEER. PIPE DEFLECTIONS AT JOINTS SHALL NOT EXCEED THE MANUFACTURER'S RECOMMENDED DEFLECTION.
- ALL UNDERGROUND VALVES SHALL BE INSTALLED WITH AN ADJUSTABLE CAST IRON VALVE BOX WITH THE TOP SET TO FINAL GRADE IN ACCORDANCE WITH ECUA STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION. VALVE BOXES IN TRAFFIC AREAS SHALL BE LOCKABLE OR NON-POP LIDS IN ACCORDANCE WITH STANDARD DETAIL 478-4.1A OF ECUA STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION.
- VALVES DEEPER THAN 5' SHALL HAVE VALVE NUT EXTENSIONS WHICH SHALL BE WELDED AS ONE PIECE.
- 12. ALL HYDRANTS, GATE VALVES AND TAPPING GATE VALVES SHALL HAVE STAINLESS STEEL STEMS. 13. FIRE HYDRANTS ARE TO BE FACTORY PAINTED CHROME YELLOW (SAFETY YELLOW) PER NFPA-291.

14. FIRE HYDRANTS ARE TO BE INSTALLED WITH THE STEAMER CONNECTION FACING THE ROADWAY.

- 15. SITE CONTRACTOR SHALL PROVIDE ALL CHAINS, LOCKS AND KEYS FOR DDCVA'S AS REQUIRED BY THE LOCAL
- 16. ALL NEW AND RELOCATED WATER MAINS SHALL BE PRESSURE AND LEAK TESTED IN ACCORDANCE WITH AWWA STANDARD C600, LATEST EDITION. PRESSURE TESTING SHALL BE IN ACCORDANCE WITH ECUA STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION, SECTION 481.5.2. PRESSURE TESTING SHALL BE AT A PRESSURE OF AT LEAST 150 PSI FOR A MINIMUM DURATION OF 2 HOURS. ALLOWABLE LEAKAGE SHALL B WITHIN THE PARAMETERS OF ECUA STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION, SECTION
- 17. ALL NEW AND RELOCATED WATER MAINS SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA STANDARD C651 AND RULE 62-555.345, F.A.C.
- 18. ALL PIPE AND PIPE FITTINGS FOR NEW AND RELOCATED WATER SERVICES SHALL COMPLY WITH THE LATEST FDEP AND AWWA STANDARDS FOR LEAD CONTENT. ALL SOLDERS AND FLUX FOR NEW AND RELOCATED WATER SERVICES SHALL COMPLY WITH THE LATEST FDEP AND AWWA STANDARDS FOR LEAD CONTENT.
- 19. CONTRACTOR'S SURVEYOR SHALL PROVIDE AS-BUILT DRAWINGS, INCLUDING ALL UNDERGROUND UTILITIES, IN CAD FORMAT TO THE ENGINEER USING THE DRAFTING STANDARDS REQUIRED BY ECUA STANDARD SPECIFICATIONS FOR
- WATER AND SEWER CONSTRUCTION. 20. SITE CONTRACTOR SHALL SUPPLY AND INSTALL ALL BACKFLOWS, METERS AND METER BOXES NOT PROVIDED BY THE LOCAL WATER PROVIDER.
- 21. CONTRACTOR SHALL ARRANGE A PRE-CONSTRUCTION CONFERENCE WITH ECUA AT LEAST 48 HOURS PRIOR TO
- THE COMMENCEMENT OF CONSTRUCTION. 22, ALL WATER TAPS SHALL BE SCHEDULED AT LEAST 48 HOURS IN ADVANCE WITH ECUA.
- 23. ALL ON-SITE WATER AND SEWER CONSTRUCTION REQUIRES A PLUMBING PERMIT WITH A SCHEDULED INSPECTION BY ECUA, UTILITIES DEPARTMENT PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR ARRANGING ALL

24. CONNECTION TO EXISTING POTABLE WATER SYSTEMS SHALL NOT BE ALLOWED UNTIL ALL PROPOSED WATER LINES

HAVE BEEN PRESSURE TESTED, DISINFECTED, CLEARED FOR SERVICE AND ACCEPTED FOR MAINTENANCE BY FICUA.

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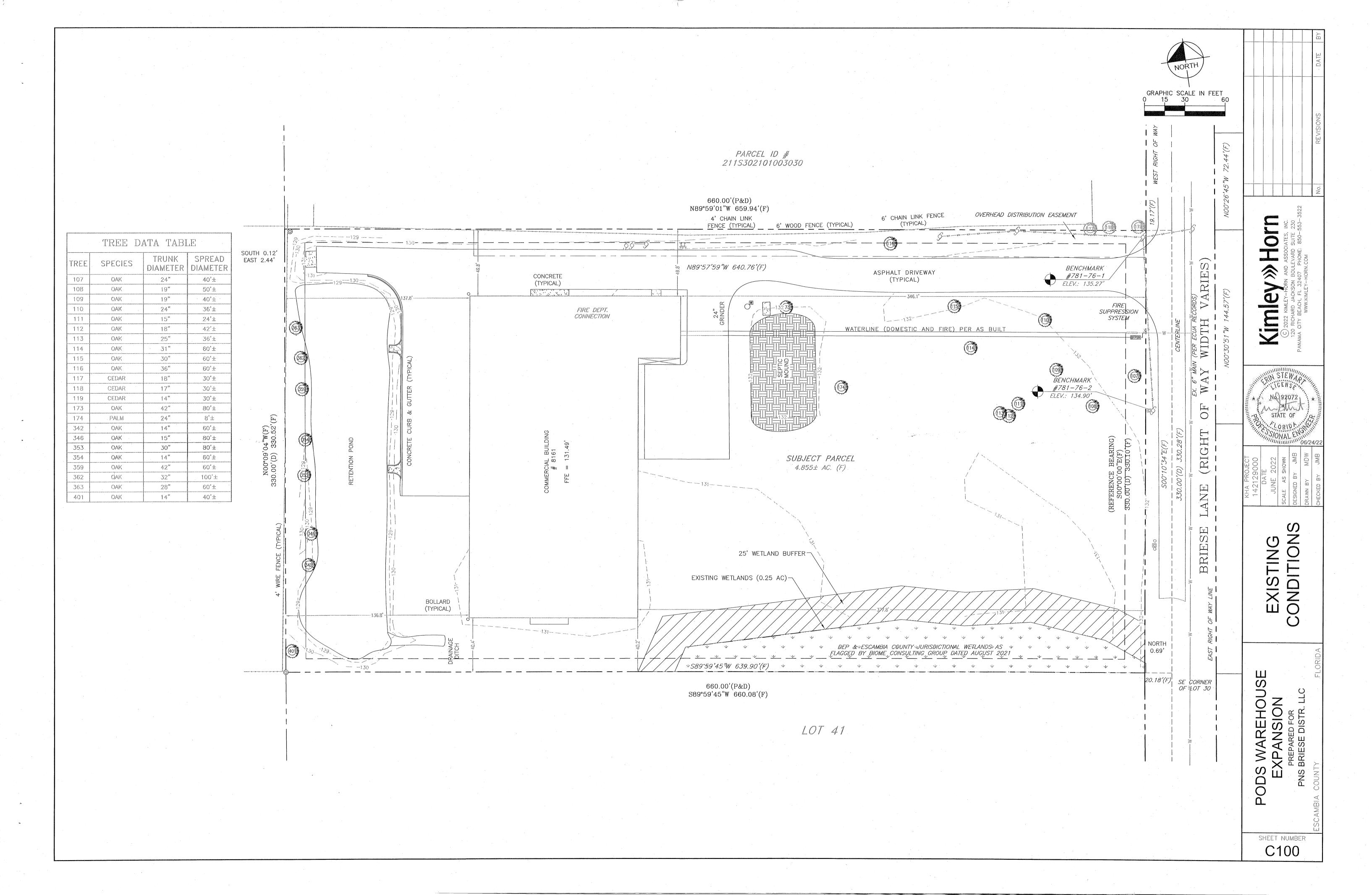
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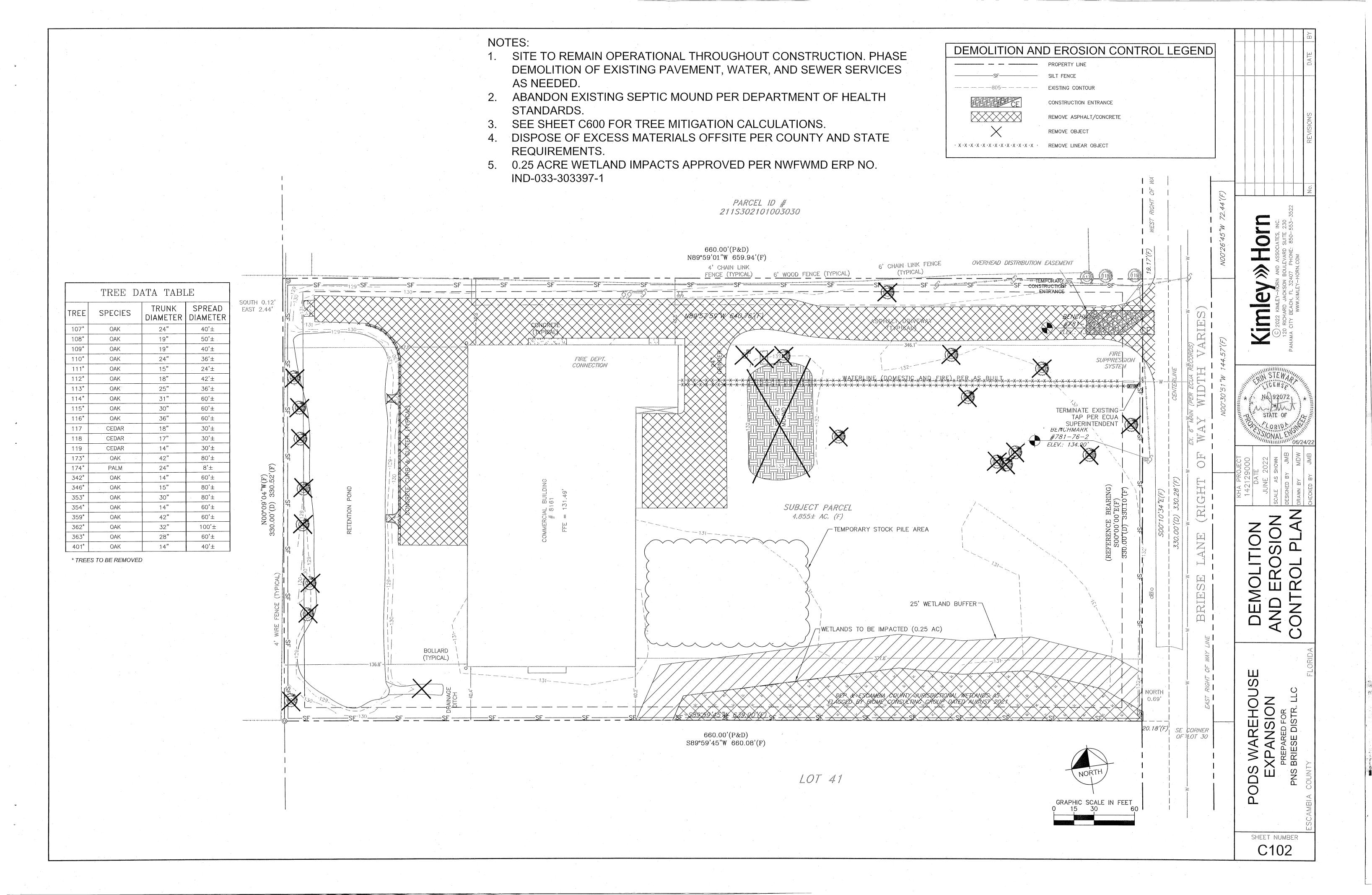
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CLEARING AND SITE PREPARATION NOTES:

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE EROSION CONTROL DEVICES, AS SHOWN ON THE CONSTRUCTION PLANS, PRIOR TO ANY SITE CLEARING AND/OR DEMOLITION. REFER TO THE "EROSION CONTROL NOTES" SECTION CONTAINED HEREIN FOR ADDITIONAL REQUIREMENTS.
- 2. PRIOR TO ANY SITE CLEARING, ALL TREES SHOWN TO REMAIN, AS INDICATED ON THE CONSTRUCTION PLANS SHALL BE PROTECTED IN ACCORDANCE WITH LOCAL TREE ORDINANCES AND DETAILS CONTAINED IN THESE PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THESE TREES IN GOOD CONDITION. NO TREE(S) SHOWN TO REMAIN SHALL BE REMOVED WITHOUT WRITTEN APPROVAL FROM THE OWNER AND THE LOCAL AGENCY HAVING JURISDICTION OVER THESE ACTIVITIES.
- 3. THE CONTRACTOR SHALL CLEAR AND GRUB ONLY THOSE PORTIONS OF THE SITE NECESSARY FOR CONSTRUCTION. ALL DISTURBED AREAS MUST BE SEEDED, MULCHED, SODDED OR PLANTED WITH OTHER APPROVED LANDSCAPE MATERIAL IMMEDIATELY FOLLOWING CONSTRUCTION.
- 4. THE TOP 4" TO 6" OF GROUND REMOVED DURING CLEARING AND GRUBBING ACTIVITIES SHALL BE STOCKPILED, TO BE USED FOR LANDSCAPING PURPOSES, UNLESS OTHERWISE DIRECTED BY THE OWNER. REMAINING EARTHWORK THAT RESULTS FROM CLEARING AND GRUBBING OR SITE EXCAVATION IS TO BE UTILIZED ON-SITE, PROVIDED THE MATERIAL IS DEEMED SUITABLE BY THE OWNER'S SOILS TESTING COMPANY. EXCESS MATERIAL IS TO EITHER BE STOCKPILED ON-SITE, AS DIRECTED BY THE OWNER OR OWNER'S ENGINEER, OR REMOVED FROM THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ANY PERMITS THAT ARE NECESSARY FOR REMOVING ANY EXCESS MATERIAL FROM THE SITE.
- 5. ALL EXISTING DEBRIS (ABOVE OR BELOW GROUND), CONSTRUCTION DEBRIS AND OTHER WASTE MATERIAL SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR, IN ACCORDANCE WITH APPLICABLE REGULATORY AGENCY
- 6. THE CONTRACTOR IS TO PREPARE THE SITE IN ACCORDANCE WITH THE SOILS REPORT, COPIES OF WHICH ARE AVAILABLE THROUGH THE OWNER OR SOILS TESTING COMPANY DIRECTLY.
- 7. CONTRACTOR TO BE RESPONSIBLE FOR INSTALLATION OF TEMPORARY CONSTRUCTION FENCE AROUND ENTIRE PERIMETER OF PROPERTY. TYPE OF FENCE TO BE SUBMITTED BY CONTRACTOR TO ENGINEER FOR APPROVAL.
- 8. THE CONTRACTOR SHALL REMOVE ALL VEGETATION, SURPLUS SOIL, DEMOLITION RUBBLE, AND OTHER UNDESIRABLE MATERIALS. SUCH MATERIALS SHALL BE PROMPTLY HAULED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH GOVERNING LAWS AND CODES.

EROSION AND SILTATION CONTROL:

- 1. GENERAL: ALL EROSION AND SILTATION CONTROL METHODS SHALL BE IMPLEMENTED PRIOR TO THE START OF CONSTRUCTION. DURING CONSTRUCTION, CLEARED AREAS SHALL BE COVERED BY MULCHES SUCH AS STRAW, HAY AND FILTER FABRIC. ALL STORM SEWER INLETS IN THE VICINITY OF THE PROJECT SHALL BE PROTECTED BY SEDIMENT TRAPS OR HAY BALES. THESE SHALL BE MAINTAINED AND MODIFIED DURING THE CONSTRUCTION PROCESS TO MINIMIZE DOWNSTREAM SILTATION. WHEN CONSTRUCTION IS COMPLETED, DETENTION AREAS WILL BE RESHAPED, CLEANED OF SILT, MUD AND DEBRIS, AND RE-SODDED TO PROPERLY DETAIN THE INTENDED STORM QUANTITIES.
- 2. PROTECTION AND STABILIZATION OF ON-SITE SOIL STOCKPILES: FILL MATERIAL STOCKPILES SHALL BE PROTECTED AT ALL TIMES BY ON-SITE DRAINAGE CONTROLS THAT PREVENT EROSION OF THE STOCKPILED MATERIAL. CONTROL OF DUST FROM SUCH STOCKPILES MAY BE REQUIRED, DEPENDING UPON THEIR LOCATION AND THE EXPECTED LENGTH OF TIME THE STOCKPILES WILL BE PRESENT. IN NO CASE SHALL ANY UNSTOCKPILED MATERIAL REMAIN MORE THAN THIRTY (30) CALENDAR DAYS AFTER SUBSTANTIAL PROJECT COMPLETION.
- 3. PROTECTION OF EXISTING STORM SEWER SYSTEMS: DURING CONSTRUCTION, ALL STORM SEWER INLETS IN THE VICINITY OF THE PROJECT SHALL BE PROTECTED BY SEDIMENT TRAPS SUCH AS SECURED HAY BALES, SOD, STONE, ETC., WHICH SHALL BE MAINTAINED AND MODIFIED AS REQUIRED BY CONSTRUCTION PROGRESS, AND WHICH MUST BE APPROVED BY THE ENGINEER BEFORE INSTALLATION.
- 4. SEDIMENT BASINS AND SEDIMENT TRAPPING MEASURES: PERIMETER BERMS, SEDIMENT BARRIERS, VEGETATIVE BUFFERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT AND/OR PREVENT THE TRANSPORT OF SEDIMENT ONTO ADJACENT PROPERTIES, OR INTO EXISTING BODIES OF WATER, MUST BE INSTALLED, CONSTRUCTED OR, IN THE CASE OF VEGETATIVE BUFFERS, PROTECTED FROM DISTURBANCE, AS A FIRST STEP IN THE LAND ALTERATION PROCESS, SUCH SYSTEMS SHALL BE FULLY OPERATIVE BEFORE ANY OTHER DISTURBANCE OF THE SITE BEGINS. EARTHEN STRUCTURES INCLUDING BUT NOT LIMITED TO BERMS, EARTH FILTERS, DAMS OR DIKES SHALL BE STABILIZED AND PROTECTED FROM DRAINAGE DAMAGE OR EROSION WITHIN
- 5. SWALES, DITCHES AND CHANNELS: CHANNELS LEADING FROM THE SITE SHALL BE SODDED WITH ARGENTINE BAHIA WITHIN THREE (3) DAYS OF EXCAVATION.
- 6. UNDERGROUND UTILITY CONSTRUCTION: UNDERGROUND UTILITY LINES AND OTHER STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING STANDARDS:
- NO MORE THAN 500 LINEAR FEET OF TRENCH SHALL BE OPEN AT ANY ONE TIME; EXCAVATED MATERIAL SHALL BE CAST TO THE UPHILL SIDE OF TRENCHES AS LONG AS SAFETY AND SPACE CONSIDERATION ALLOW. TRENCH MATERIAL SHALL NOT BE CAST INTO, (OR ONTO THE SLOPE OF) ANY STREAM, CHANNEL, ROAD, DITCH OR WATERWAY.
- 7. ALL EROSION AND SILTATION CONTROL DEVICES: SHALL BE REGULARLY INSPECTED AND MAINTAINED, (ESPECIALLY AFTER EACH RAINFALL) AND WILL BE CLEANED OUT AND/OR REPAIRED AS REQUIRED.
- 8. DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO RAIN SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE STORMWATER SYSTEM.
- 9. APPLICATION RATES AND METHODS FOR USE OF FERTILIZERS AND PESTICIDES AT THE CONSTRUCTION SITE SHALL CONFORM WITH ALL LOCAL AND STATE ORDINANCES. NUTRIENTS SHALL BE APPLIED ONLY AT RATES NECESSARY TO ESTABLISH AND MAINTAIN VEGETATION SUCH THAT DISCHARGES WILL NOT CAUSE OR CONTRIBUTE TO VIOLATIONS OF STATE SURFACE OR GROUNDWATER QUALITY STANDARDS.
- 10. OFF-SITE VEHICLE TRACKING OF SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED BY CONTRACTOR.

SECTION 1 GENERAL EROSION CONTROL:

- 1. GENERAL EROSION CONTROL BEST MANAGEMENT PRACTICES SHALL BE EMPLOYED TO MINIMIZE SOIL EROSION DAN POTENTIAL POND SLOPE FAILURES. WHILE THE VARIOUS TECHNIQUES REQUIRED WILL BE SITE AND PLAN SPECIFIC, THEY SHOULD BE EMPLOYED AS SOON AS POSSIBLE DURING CONSTRUCTION ACTIVITIES.
- 2. CLEARED SITE DEVELOPMENT AREAS NOT CONTINUALLY USED FOR CONSTRUCTION ACTIVITIES SHALL BE COVERED WITH HAY AND OR OVERSEEDED AND SUFFICIENTLY WATERED TO STABILIZE THE TEMPORARY GROUNDCOVER.
- 3. BANKS OF RETENTION/DETENTION PONDS SHALL NOT BE CONSTRUCTED STEEPER THAN 4H:1V FROM TOP OF BANK TO TWO FEET BELOW THE CONTROL ELEVATION.
- 4. A 1-FOOT WIDE STRIP OF SOD SHALL BE PLACED ALONG ALL CURBING AND AROUND ALL INLETS. SOD SHALL BE PLACED BEFORE SILT BARRIERS ARE REMOVED.
- 5. THE CONTRACTOR WILL STABILIZE BY SEED AND MULCH, SOD, OR OTHER APPROVED MATERIALS ANY DISTURBED AREAS WITHIN ONE WEEK FOLLOWING COMPLETION OF THE UTILITY SYSTEMS AND PAVEMENT AREAS. CONTRACTOR SHALL MAINTAIN SUCH AREAS UNTIL FINAL ACCEPTANCE BY THE OWNER. THE CONTRACTOR IS TO COORDINATE WITH THE OWNER REGARDING THE TYPE OF MATERIAL, LANDSCAPING AND IRRIGATION REQUIREMENTS.

SECTION 3 CONTROL OF WIND EROSION:

- 1. WIND EROSION SHALL BE CONTROLLED BY EMPLOYING THE FOLLOWING METHODS AS NECESSARY AND APPROPRIATE A. BARE EARTH AREAS SHALL BE WATERED DURING CONSTRUCTION AS NECESSARY TO MINIMIZE THE TRANSPORT OF FUGITIVE DUST. IT MAY BE NECESSARY TO LIMIT CONSTRUCTION VEHICLE SPEED IF BARE EARTH HAS NOT BEEN EFFECTIVELY WATERED. IN NO CASE SHALL FUGITIVE DUST BE ALLOWED TO LEAVE THE SITE UNDER CONSTRUCTION.
- B. AS SOON AS PRACTICAL AFTER COMPLETION OF CONSTRUCTION BARE EARTH AREAS SHALL BE VEGETATED.
- C. ANY TIME DURING AND AFTER SITE CONSTRUCTION THAT WATERING AND/OR VEGETATION ARE NOT EFFECTIVE IN CONTROLLING WIND EROSION AND/OR THE TRANSPORT OF FUGITIVE DUST, OTHER METHODS AS ARE NECESSARY FOR SUCH CONTROL SHALL BE EMPLOYED. THESE METHODS MAY INCLUDE ERECTION OF DUST CONTROL FENCES. DUST CONTROL FENCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH FDOT INDEX 102, EXCEPT THE MINIMUM HEIGHT SHALL BE 4 FEET.

DEMOLITION NOTES (IF NECESSARY):

- 1. CONTRACTOR SHALL SUBMIT DEMOLITION SCHEDULE TO OWNER PRIOR TO PROCEEDING WITH DEMOLITION ACTIVITIES.
- 2. EXTENT OF SITE CLEARING IS SHOWN ON DRAWINGS.
- 3. SITE DEMOLITION WORK INCLUDES, BUT IS NOT LIMITED TO:
- DRAINAGE AREA

A. ROADWAY

- SITE UTILITIES LANDSCAPING
- 4. CONDUCT SITE DEMOLITION OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED OR USED FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS OR OTHER OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM AUTHORITIES HAVING JURISDICTION.
- 5. PROVIDE PROTECTION NECESSARY TO PREVENT DAMAGE TO EXISTING IMPROVEMENTS INDICATED ON PLAN "EXISTING TO REMAIN."
- 6. RESTORE DAMAGED IMPROVEMENTS TO THEIR ORIGINAL CONDITION, AS ACCEPTABLE TO PARTIES HAVING JURISDICTION.
- 7. REMOVE WASTE MATERIALS AND UNSUITABLE AND EXCESS TOPSOIL FROM PROPERTY AND DISPOSE OF OFF SITE IN A LEGAL MANNER.
- 8. LOCATE EXISTING ABOVE-GROUND AND UNDERGROUND UTILITIES IN AREAS OF WORK: IF UTILITIES ARE TO REMAIN IN PLACE, PROVIDE ADEQUATE MEANS OF SUPPORT AND PROTECTION DURING DEMOLITION OPERATION.
- 9. SHOULD UNCHARTED, OR INCORRECTLY CHARTED, PIPING OR OTHER UTILITIES BE ENCOUNTERED DURING DEMOLITION, CONSULT PROJECT ENGINEER AND UTILITY OWNER FOR IMMEDIATE ACTION.
- 10. DEMOLISH AND COMPLETELY REMOVE FROM SITE MATERIAL INDICATED ON PLAN OR NOTES "TO BE REMOVED."
- 11. PROTECT: STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, OTHER FACILITIES FROM DAMAGE CAUSED BY: SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT, OTHER HAZARDS CREATED BY THE DEMOLITION
- 12. FOR SELECTIVE CLEARING REFER TO LANDSCAPE PLAN.
- 13. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO EXISTING CONDITIONS OR BETTER. FURTHERMORE, CONTRACTOR SHALL PROVIDE TO THE ENGINEER A PHOTOGRAPH OF PRE-CONSTRUCTION CONDITIONS AND POST-CONSTRUCTION CONDITIONS AS NOTED ON PLANS.
- 14. CONTRACTOR SHALL MAINTAIN STORMWATER MANAGEMENT SYSTEM TO INSURE NO DAMAGE TO ADJACENT PROPERTIES OCCURS DURING 100-YEAR STORM EVENTS.

DEWATERING NOTES (IF NECESSARY):

- 1. DURING THE EXCAVATION OF THE STORMWATER PONDS, THE CONTRACTOR MUST CONSTRUCT A SEDIMENT BASIN TO PROVIDE A DISCHARGE POINT FOR DEWATERING. THE SEDIMENT BASIN CAN BE A CELL IN THE PROPOSED EXCAVATION AREA OF A POND OR IT CAN BE A BERMED AREA ABOVE GROUND. ALL DEWATERING MUST BE HELD IN THE SEDIMENT AREA UNTIL THE WATER IS CLEAN SUCH THAT THERE WOULD BE NO TURBID DISCHARGE AFTER THE WATER IN THE SEDIMENT BASIN IS CLEAN, THE WATER MAY BE RELEASED INTO THE ON-SITE WETLANDS PROVIDED THERE IS NO ADVERSE IMPACT TO THE EXISTING WATER QUALITY.
- 2. UNDER NO CIRCUMSTANCES WILL THE DISCHARGE FROM THE DEWATERING BE DIRECTLY INTO ON-SITE WETLANDS.
- 3. DURING EXCAVATION THE CONTRACTOR SHALL NOT PENETRATE THE EXISTING CLAY LAYER IF PRESENT. IF THE CONTRACTOR ENCOUNTERS THE CLAY LAYER, HE/SHE IS TO PLACE A MINIMUM OF 2 FEET OF SANDY MATERIAL OVER THE CLAY AND TERMINATE THE DEPTH OF THE EXCAVATION.
- 4. IF CONTRACTOR ENCOUNTERS SILTY/CLAY SAND, WHICH CAUSE THE WATER TO BECOME TURBID, HE/SHE SHALL TREAT THE SEDIMENT BASIN WITH A CHEMICAL ADDITIVE SUCH AS ALUM IN ORDER TO PROMOTE THE COAGULATION AND SETTLEMENT OF THE PARTICLES FOR THE WATER TO BECOME LESS TURBID. IF TURBID WATER IS ENCOUNTERED DURING EXCAVATION OF THE PONDS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD IMMEDIATELY TO DETERMINE THE COURSE OF ACTION THAT IS APPROPRIATE TO ELIMINATE THE TURBITY AND ALLOW DISCHARGE THAT MEETS AFTER QUALITY STANDARDS.
- 5. THE CONTRACTOR SHALL SEQUENCE THE EXCAVATION OF THE STORMWATER PONDS SUCH THAT A SEDIMENT BASIN WILL BE AVAILABLE AT ALL TIMES. THE SEDIMENT BASIN CAN BE RELOCATED AS NECESSARY TO ENSURE THE WATER WITHIN THE SEDIMENT BASIN BECOMES NON-TURBID AND ACCEPTABLE FOR DISCHARGE OFF-SITE.

BEST MANAGEMENT PRACTICES:

THIS PLAN HAS BEEN PREPARED TO ENSURE COMPLIANCE WITH APPROPRIATE CONDITIONS OF LOCAL, STATE, AND FEDERAL REGULATIONS. THE PLAN ADDRESSES THE FOLLOWING AREAS:

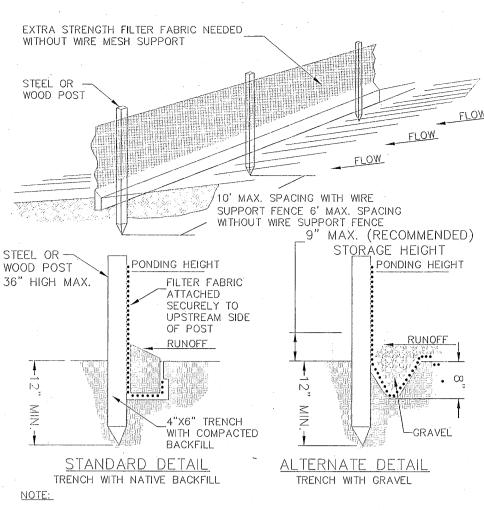
GENERAL EROSION CONTROL.

PROTECTION OF SURFACE WATER QUALITY DURING AND AFTER CONSTRUCTION. CONTROL OF WIND EROSION.

THE VARIOUS TECHNIQUES OR ACTIONS IDENTIFIED UNDER EACH SECTION INDICATE THE APPROPRIATE SITUATION WHEN THE TECHNIQUES SHOULD BE EMPLOYED. IT SHOULD BE NOTED THAT THE MEASURES IDENTIFIED ON THIS PLAN ARE ONLY SUGGESTED BMP(S). THE CONTRACTOR SHALL PROVIDE POLLUTION PREVENTION AND EROSION CONTROL MEASURES AS SPECIFIED IN FDOT INDEX #102 AND AS NECESSARY FOR EACH SPECIFIC APPLICATION.

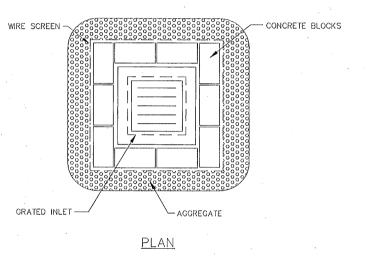
SECTION 2 PROTECTION OF SURFACE WATER QUALITY DURING AND AFTER CONSTRUCTION:

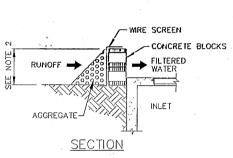
- 1. SURFACE WATER QUALITY SHALL BE MAINTAINED BY EMPLOYING THE FOLLOWING BEST MANAGEMENT PRACTICES IN THE CONSTRUCTION PLANNING AND CONSTRUCTION OF ALL IMPROVEMENTS.
- 2. WHERE PRACTICAL, STORMWATER SHALL BE CONVEYED BY SWALES.
- 3. EROSION CONTROL MEASURES SHALL BE EMPLOYED TO MINIMIZE TURBIDITY OF SURFACE WATERS LOCATED DOWNSTREAM OF ANY CONSTRUCTION ACTIVITY. WHILE THE VARIOUS MEASURES REQUIRED
- WILL BE SITE SPECIFIC, THEY SHALL BE EMPLOYED AS NEEDED IN ACCORDANCE WITH THE FOLLOWING:
- A. IN GENERAL, EROSION SHALL BE CONTROLLED AT THE FURTHEST PRACTICAL UPSTREAM LOCATION. B. STORMWATER INLETS SHALL BE PROTECTED DURING CONSTRUCTION AS SHOWN IN FDOT INDEX 102. PROTECTION MEASURES SHALL BE EMPLOYED AS SOON AS PRACTICAL DURING THE VARIOUS STAGES OF INLET CONSTRUCTION. SILT BARRIERS SHALL REMAIN IN PLACE UNTIL SODDING AROUND INLETS IS COMPLETE.
- 4. HEAVY CONSTRUCTION EQUIPMENT PARKING AND MAINTENANCE AREAS SHALL BE DESIGNED TO PREVENT OIL, GREASE, AND LUBRICANTS FROM ENTERING SITE DRAINAGE FEATURES INCLUDING STORMWATER
- COLLECTION AND TREATMENT SYSTEMS. CONTRACTORS SHALL PROVIDE BROAD DIKES, HAY BALES OR SILT SCREENS AROUND, AND SEDIMENT SUMPS WITHIN SUCH AREAS TO CONTAIN SPILLS OF OIL, GREASE OR LUBRICANTS. CONTRACTORS SHALL HAVE AVAILABLE, AND SHALL USE ABSORBENT FILTER PADS TO CLEAN UP SPILLS AS SOON AS POSSIBLE AFTER OCCURRENCE.
- SILT BARRIERS: ANY SILT WHICH ACCUMULATES BEHIND THE BARRIERS AND ANY FILL USED TO ANCHOR THE BARRIERS SHALL BE REMOVED PROMPTLY AFTER THE END OF THE MAINTENANCE PERIOD SPECIFIED FOR THE BARRIERS.
- 6. PREVENT EROSION FROM SHEET FLOW ACROSS BARE GROUND FROM ENTERING A LAKE OR SWALE BY INSTALLING A TEMPORARY SEDIMENT SUM AS REQUIRED. THE TEMPORARY SEDIMENT SUMP SHALL REMAIN IN PLACE UNTIL VEGETATION IS ESTABLISHED ON THE GROUND DRAINING TO THE SUMP.



- 1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
- REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
- 3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE

SILT FENCE DETAIL





1. PLACE CONCRETE BLOCKS IN A SINGLE ROW AROUND PERIMETER OF 2. HEIGHT OF BARRIER VARIES. USE STACKS OF 4-INCH, 8-INCH, OR 12" BLOCKS. MIN. HEIGHT OF BARRIER 12" AND MAX. HEIGHT OF 24" 3. PLACE HARDWARE CLOTH/WIRE MESH W/ MAX. 1/2" OPENINGS OVER VERTICAL FACE OF CONCRETE BLOCKS. 4. THE AGGREGATE SHALL BE ANY NON-ERODIBLE MATERIAL SUCH AS LOOSE ROCK, BROKEN CONCRETE THAT WILL SLOW THE FLOW OF THE WATER AND ALLOW IT TO

BLOCK AND AGGREGATE INLET SEDIMENT DEVISE

FILTER THROUGH AND OVER THE MATERIAL BEFORE ENTERING THE INLET.

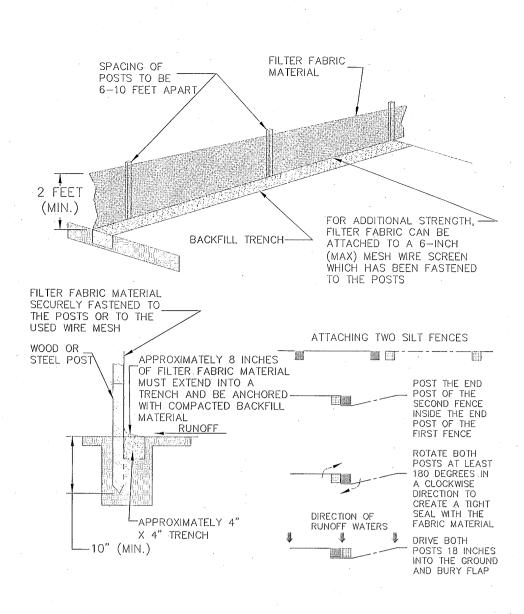
DIVERSION RIDGE REQUIRED WHERE GRADE EXCEEDS 2% EXISTING PAVED ROADWAY USE SANDBAGS OR SPILLWAY SEDIMENT BARRIER OTHER APPROVED METHODS TO CHANNELIZE RUNOFF TO BASIN AS SUPPLY WATER TO WASH REQUIRED. WHEELS IF NECESSARY -DIVERSION RIDGE <u>Plan view</u>

THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

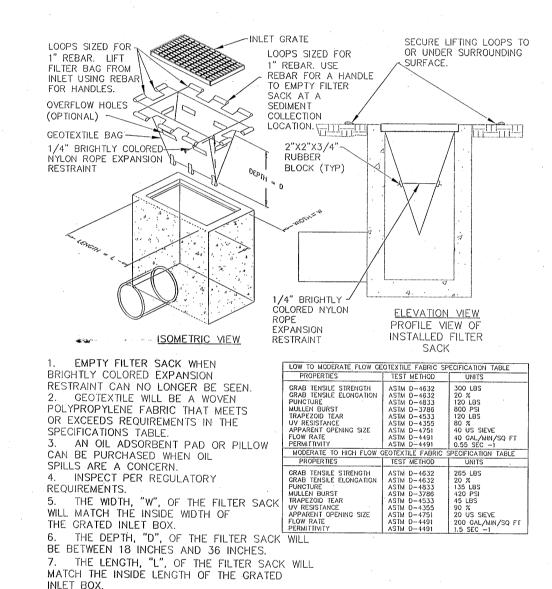
WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO

WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE



SILT FENCE INSTALLATION DETAIL



FILTER SACKS (GRATED INLETS) DO NOT USE ON ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.

DAYS BEFORE

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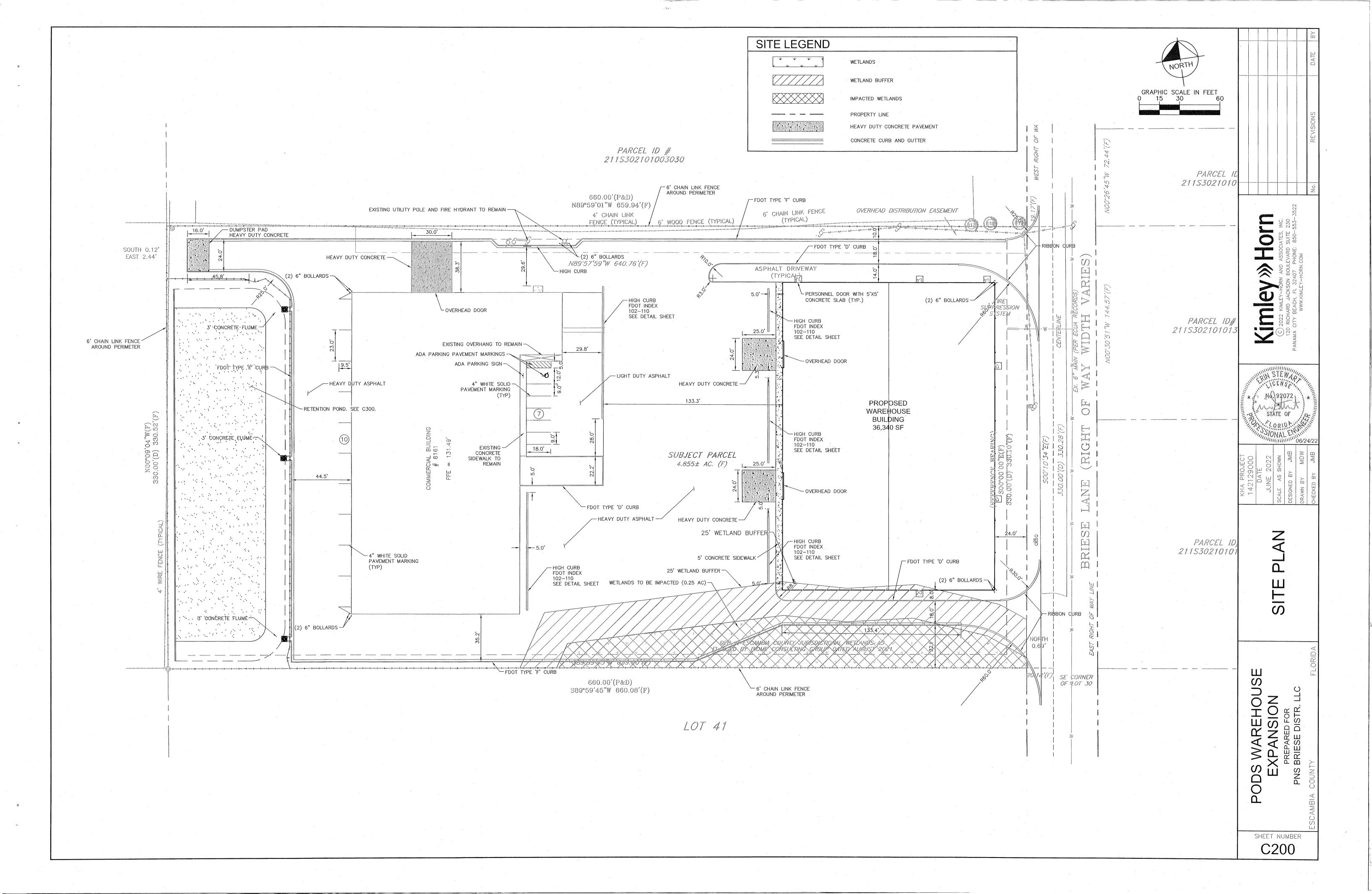
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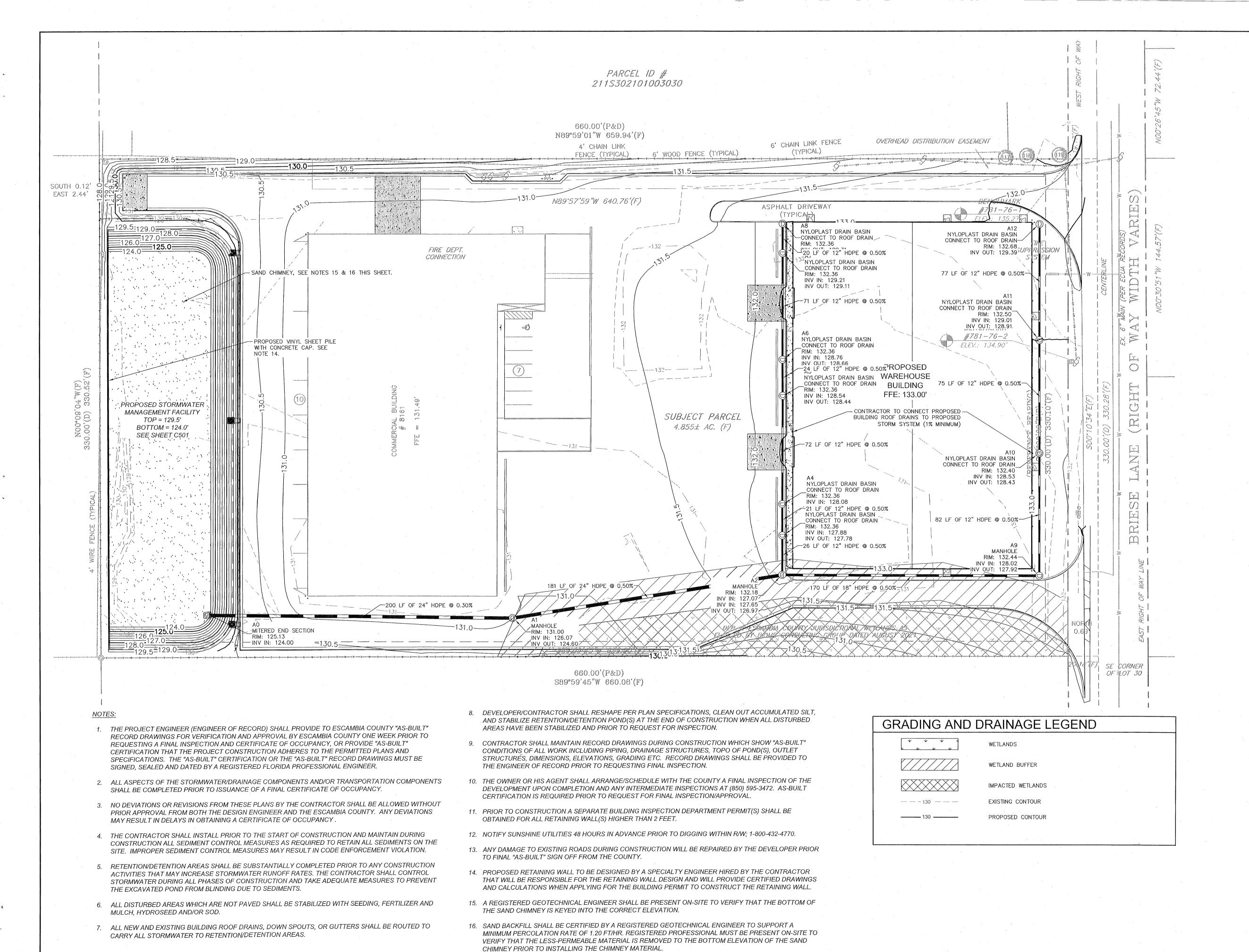
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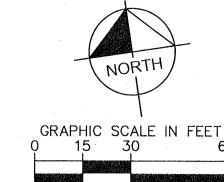
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SHEET NUMBER C103







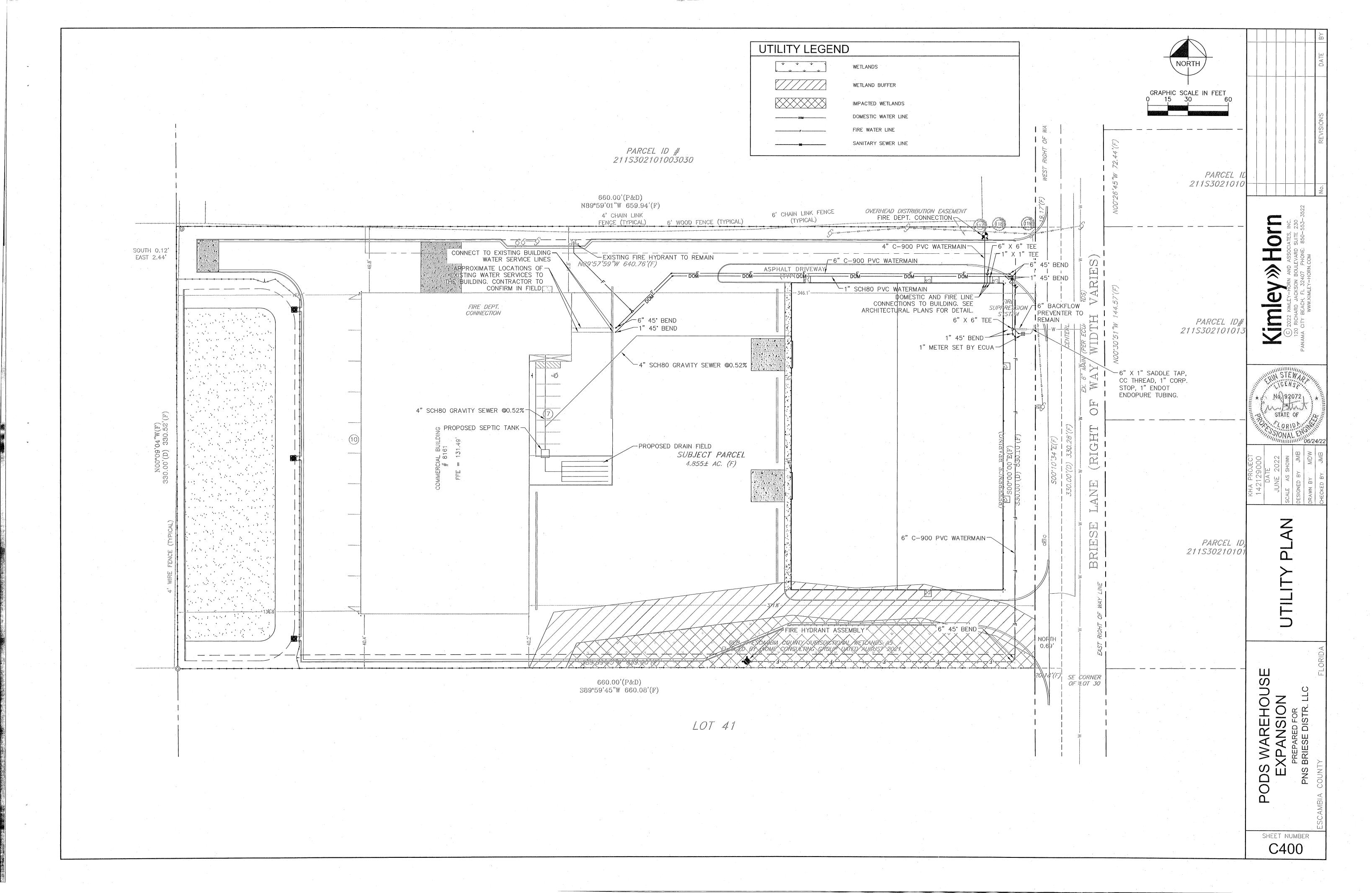
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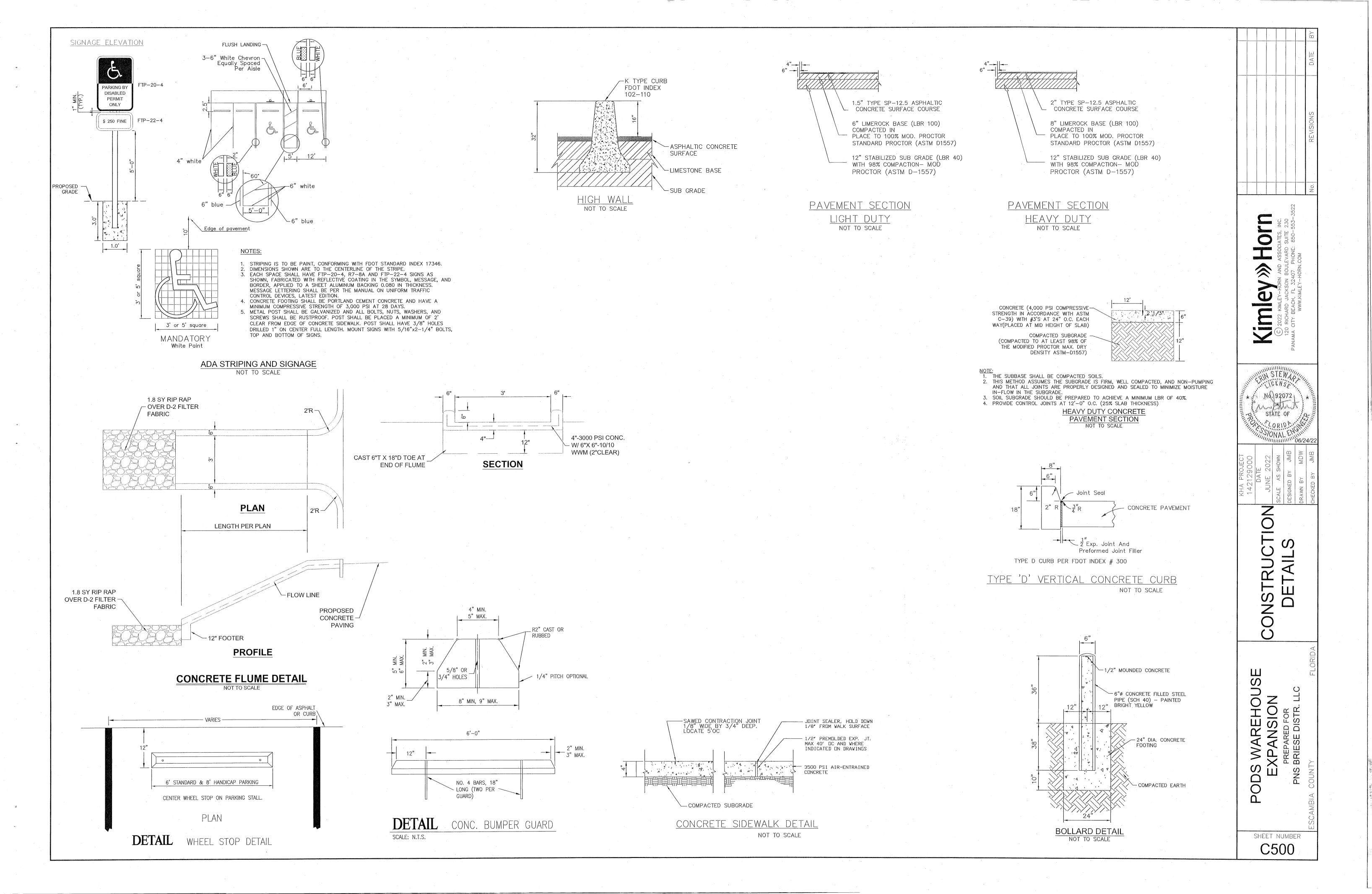
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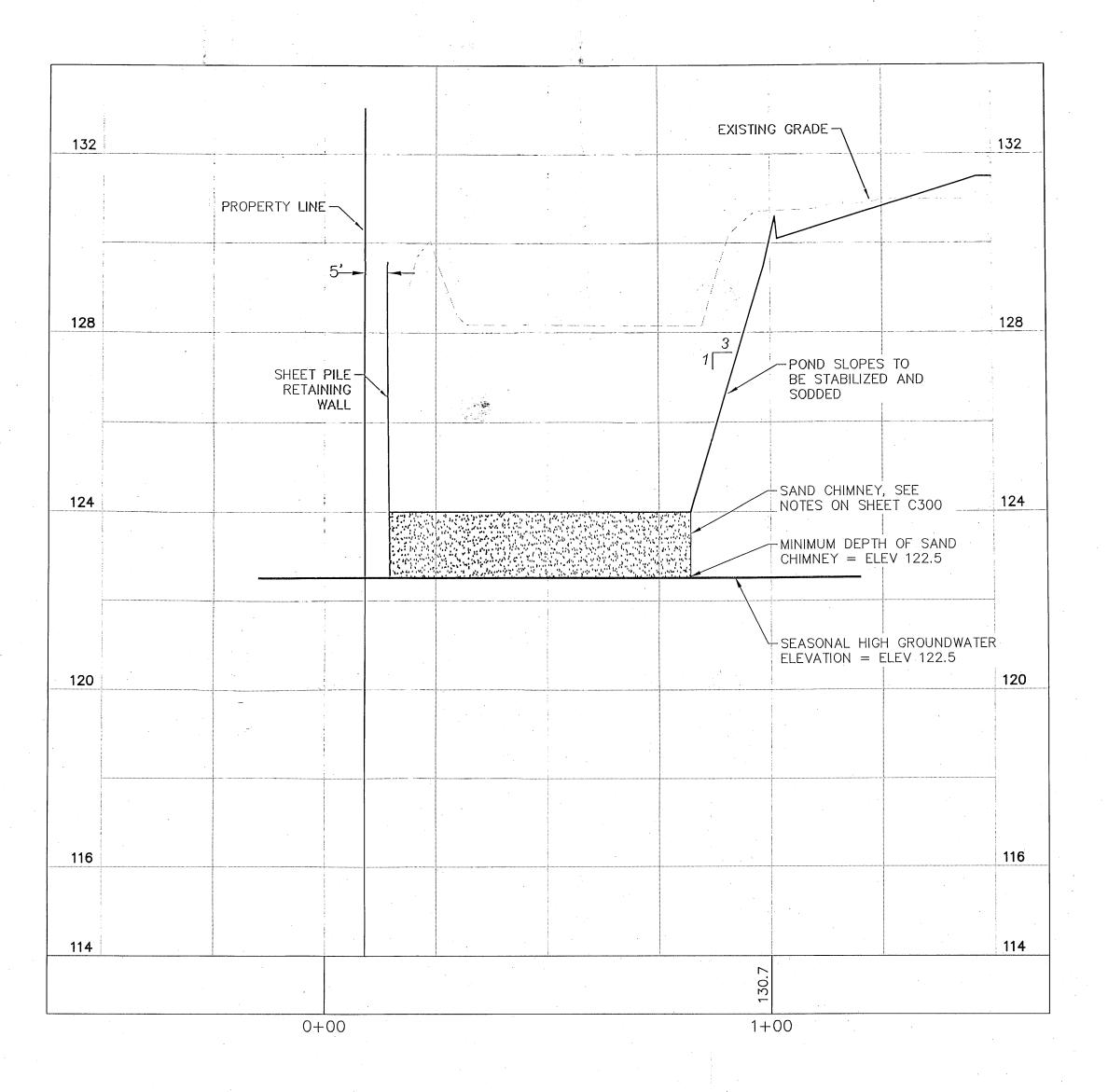
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SOUTH 0.12' EAST 2.44' SAND CHIMNEY

POND SECTION A-A



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www.kimley-horn.com

SCALE AS SHOWN DESIGNED BY JMB MDW BY MDW BY

SWM DETAILS

SODS WAREHOUSE
EXPANSION
PREPARED FOR
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SHEET NUMBER

