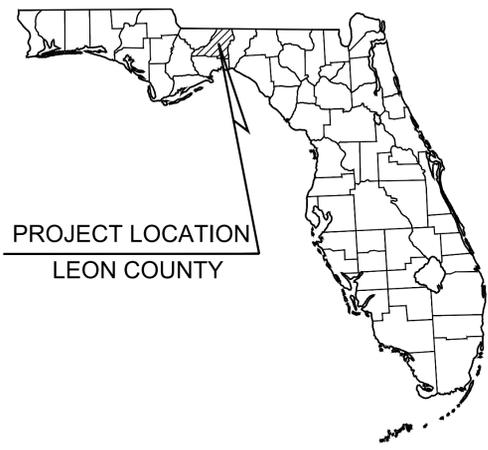


100% CONSTRUCTION PLANS FOR FAMU REC. CENTER PARKING TALLAHASSEE, FL PREPARED FOR FLORIDA A&M UNIVERSITY



PROJECT TEAM

CIVIL ENGINEER
KIMLEY-HORN AND ASSOCIATES, INC.
2615 CENTENNIAL BLVD., SUITE 102
TALLAHASSEE, FL 32308
PHONE: (850) 553-3500
CONTACT: FELICITY J. APPEL, P.E.

SURVEYOR
MERIDIAN SURVEY AND MAPPING, INC
3201 SHAMROCK STREET SOUTH, SUITE 102
TALLAHASSEE, FL 32309
PHONE: (850) 668-7648
CONTACT: STEVE STINSON, PLS

CONTRACTOR NOTICE 2017 (as revised January 2018)

The Contractor & Owner will be held accountable during construction for all site improvements. Compliance with Florida Statutes 553.5041 (F.S.), and the 6th Edition (2017 Florida Accessibility Code for Building Construction (FACBC)), is mandatory. If incorrect at final inspection, contractor will be required to modify construction to comply with F.S. and FACBC. The following items take precedence and supersede other site details on drawings:

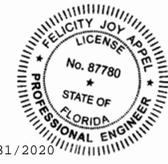
- ACCESSIBLE PARKING spaces shall be located on an accessible route no less than 44" wide so that users will not be compelled to walk or wheel behind parked vehicles except behind his or her own vehicle. §208.1 and §502.3, FACBC and F.S. 553.5041.
- ACCESSIBLE PARKING spaces and access aisles serving a particular building shall be located on the shortest accessible route from the accessible (H/C) parking to an accessible entrance. §208.3.1 FACBC and F.S. 553.5041(5)(b).
- ACCESSIBLE PARKING spaces shall be 12' wide, and outlined with blue paint. §502.2 and §502.6, FACBC
- ACCESS AISLES required adjacent to parking spaces shall be 5' wide with diagonal striping. §502., FACBC
- ACCESSIBLE PARKING and access aisles shall be level (not to exceed 1:48) on a stable, firm & slip resistant surface. Re: §302.1, §502.3, FACBC
- ACCESSIBLE PARKING signs shall be FDOT approved and shall read "PARKING BY DISABLED PERMIT ONLY" and shall indicate a \$250 fine for illegal use. Install signs a minimum 60" (inches) from the ground to the bottom of the sign(s). Re: §502.6 and F.S. 553.5041.
- CURB RAMPS shall not exceed 1:12 slope, and curb ramp flares shall not exceed 1:10 slope. Curb ramps and flared sides shall not encroach upon parking spaces, access aisles, or vehicular traffic lanes. The counter slope of adjacent road surfaces & gutters shall not exceed 1:20. Re: §405.2, §406., FACBC
- CURB RAMPS shall have a landing with a minimum clear length of 36" shall be located at the top side of each curb ramp. a clear width at least as wide as the curb ramp (excluding flared sides) leading to it. Exception: for alterations, where there is no landing, curb ramp flares shall be provided, and shall not be steeper than 1:12 slope. Re: §406, FACBC
- ALL RAMPS with a rise greater than 6" shall provide edge protection complying with §405.9 FACBC. Ramps shall have 60" min level landings at the top & bottom. Re: §405.7, FACBC.
- ALL RAMPS with a rise greater than 6" shall have handrails on both sides with 12" horizontal extensions at the top & bottom of the ramp. Re: §1010.9 FBC-B (Florida Building Code - Building) and §505.10 FACBC.
- ACCESSIBLE ROUTES to "main entry" from an accessible parking space, and from the "public way", shall not exceed 1:20 slope (unless ramps, handrails with proper extensions are provided) with cross slope not in excess of 1:48. Re: §206, §402 and §403., FACBC.
- *Connect buildings within the same site with an accessible route which shall not exceed 1:20 slope (unless ramps and handrails are provided) and a maximum cross slope of 1:48. Re: §206 FACBC.

* EXCEPTION: An accessible route shall not be required between accessible buildings, accessible facilities, accessible elements, and accessible spaces if the only means of access between them is a vehicular way not providing pedestrian access. Re: §206.2.2 FACBC



DESIGN STANDARDS

- F.D.O.T. SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019
- F.D.O.T. STANDARD PLANS, 2018-2019
- F.D.O.T. MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE OF STREETS AND HIGHWAYS (GREEN BOOK)
- CITY OF TALLAHASSEE TECHNICAL SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION, LATEST EDITION
- MUTCD CURRENT EDITION



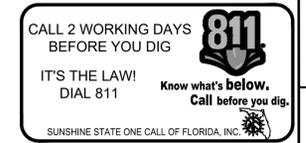
This item has been digitally signed and sealed by Felicity Joy Appel on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

08/31/2020

Sheet Number	Sheet Title
C000	COVER SHEET
C100	GENERAL NOTES
C200	DEMOLITION & EROSION CONTROL PLAN
C201	DEMOLITION & EROSION CONTROL PLAN DETAILS
C300	SITE PLAN
C400	GRADING AND DRAINAGE PLAN
L100	LANDSCAPE PLAN
L200	LANDSCAPE DETAILS
E1.0	ELECTRICAL SITE PLAN
E1.1	ELECTRICAL DETAILS
E2.1	ELECTRICAL NOTES

NOTE FOR SENSITIVE KARST AREAS

IF DURING THE CONSTRUCTION OR OPERATION OF THE STORMWATER MANAGEMENT SYSTEM, A STRUCTURAL FAILURE IS OBSERVED THAT HAS THE POTENTIAL TO CAUSE THE DIRECT DISCHARGE OF SURFACE WATER INTO THE FLORIDAN AQUIFER SYSTEM, CORRECTIVE ACTIONS DESIGNED OR APPROVED BY A REGISTERED PROFESSIONAL SHALL BE TAKEN AS SOON AS PRACTICAL TO CORRECT THE FAILURE. A REPORT PREPARED BY A REGISTERED PROFESSIONAL MUST BE PROVIDED AS SOON AS PRACTICAL TO THE AGENCY FOR REVIEW AND APPROVAL THAT PROVIDES REASONABLE ASSURANCE THAT THE BREACH WILL BE PERMANENTLY CORRECTED.



PROJECT DATUM NAVD88

KHA PROJECT 142848000	DATE JAN 2020	SCALE AS SHOWN	DESIGNED BY FJA	DRAWN BY AC	CHECKED BY CRS	DATE	LICENSED PROFESSIONAL FELICITY JOY APPEL FL LICENSE NUMBER 87780	KIMLEY-HORN AND ASSOCIATES, INC. TALLAHASSEE, FL 32308 - PHONE: 850-553-3500 WWW.KIMLEY-HORN.COM CA 00000696		SHEET NUMBER C000	TALLAHASSEE, FL	REVISIONS	DATE	BY
												No.		

Plotted By: Felicity Appel, Felicity Joy Appel, Sheet Set: FAMU Rec. Center Parking, Layout: C000 COVER SHEET, January 13, 2020, 10:56:38am, K:\TAL-CIVIL\142848 - FAMU Rec. Center Parking\Design\CADD\PlanSheets\C000 COVER SHEET.dwg
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Plotted By: Appal, Felicity
 Sheet: Self-FAMU Rec. Center Parking
 Layout: DEMOLITION & EROSION CONTROL PLAN
 January 13, 2020 10:57:31pm
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LEGEND:

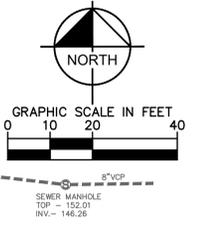
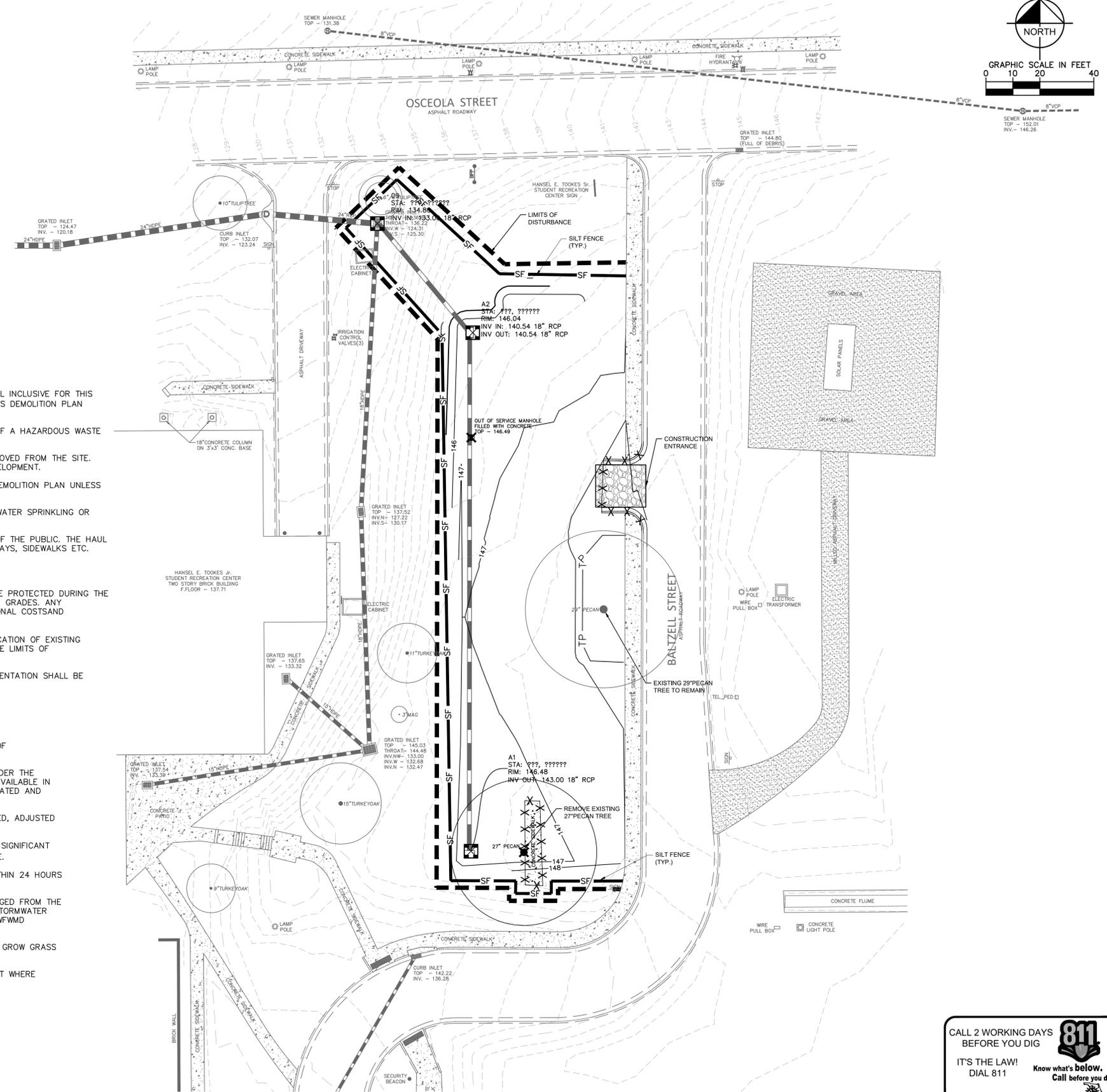
-  LIMITS OF DISTURBANCE
-  OBJECT TO BE REMOVED
-  SILT FENCE
-  CONSTRUCTION ENTRANCE
-  INLET PROTECTION
-  TO BE REMOVED
-  TREE PROTECTION

DEMOLITION NOTES:

1. THIS DEMOLITION PLAN IS BASED ON AVAILABLE UTILITY INFORMATION AND MAY OR MAY NOT BE ALL INCLUSIVE FOR THIS SITE. ANY UTILITIES ENCOUNTERED DURING DEMOLITION THAT ARE NOT DEPICTED/ADDRESSED ON THIS DEMOLITION PLAN SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
2. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL DEMOLITION PERMITS WHICH INVOLVES COMPLETION OF A HAZARDOUS WASTE INSPECTION, AND MITIGATION OF ANY ISSUES PRIOR TO SITE WORK.
3. ALL FEATURES IDENTIFIED ON THIS PLAN WHICH ARE INDICATED TO BE DEMOLISHED ARE TO BE REMOVED FROM THE SITE. AFTER DEMOLITION IS COMPLETE THE SITE SHALL BE DELIVERED IN A CONDITION SUITABLE FOR DEVELOPMENT.
4. THE CONTRACTOR SHALL LIMIT ALL DEMOLITION ACTIVITIES TO THOSE AREAS DELINEATED ON THIS DEMOLITION PLAN UNLESS DIRECTED OTHERWISE BY THE ENGINEER, OR AS REQUIRED FOR CONSTRUCTION OF IMPROVEMENTS.
5. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING AIRBORNE DUST AND POLLUTANTS BY USING WATER SPRINKLING OR OTHER SUITABLE MEANS OF CONTROL.
6. THE CONTRACTOR SHALL USE CARE IN HANDLING DEBRIS FROM THE SITE TO ENSURE THE SAFETY OF THE PUBLIC. THE HAUL ROUTE IS TO BE CLOSELY MONITORED FOR DEBRIS OR MATERIALS TRACKED ONTO ADJOINING ROADWAYS, SIDEWALKS ETC. ROADWAYS AND WALKWAYS TO BE CLEARED DAILY OR AS NECESSARY TO MAINTAIN PUBLIC SAFETY.
7. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
8. EXISTING SITE FEATURES LOCATED WITHIN THE AREA OF DEMOLITION IDENTIFIED TO REMAIN SHALL BE PROTECTED DURING THE COURSE OF CONSTRUCTION. FEATURES AFFECTED BY GRADING SHALL BE ADJUSTED TO MEET DESIGN GRADES. ANY ADJUSTMENTS REQUIRED TO BE MADE TO EXISTING UTILITIES DUE TO GRADE MAY RESULT IN ADDITIONAL COSTS AND CONTRACTOR MAY BE ENTITLED TO CHANGE ORDER TO COVER THESE COSTS.
9. THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITY OWNERS PRIOR TO REMOVAL AND/OR RELOCATION OF EXISTING UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND PROTECTING UTILITIES WITHIN THE LIMITS OF CONSTRUCTION.
10. EXISTING SURVEY MONUMENTATION SHALL NOT BE DISTURBED; ANY DISTURBED OR REMOVED MONUMENTATION SHALL BE REPLACED BY A FLORIDA REGISTERED SURVEYOR AT THE EXPENSE OF THE CONTRACTOR.

BEST MANAGEMENT PRACTICES (BMP) NOTES:

1. CONTRACTOR SHALL COORDINATE WITH THE ENVIRONMENTAL INSPECTOR.
2. ADDITIONAL SEDIMENT AND EROSION CONTROL MEASURES MAY BE REQUIRED, DURING ANY PHASE OF DEVELOPMENT, AT THE DISCRETION ENVIRONMENTAL INSPECTOR.
3. THE CONTRACTOR SHALL ENSURE THAT A FOREMAN OR SUPERVISOR WHO HAS BEEN CERTIFIED UNDER THE FLORIDA STORMWATER, EROSION AND SEDIMENTATION CONTROL INSPECTOR TRAINING PROGRAM IS AVAILABLE IN PERSON OR BY PHONE AT ALL TIMES DURING CONSTRUCTION ACTIVITIES. INSPECTOR TO BE DESIGNATED AND AVAILABLE AT THE PRE-CONSTRUCTION MEETING.
4. SILT FENCE SHOWN ON THESE PLANS SHALL BE INSTALLED GENERALLY IN THE LOCATIONS INDICATED, ADJUSTED FOR FIELD CONSTRAINTS.
5. CONTRACTOR SHALL INSPECT AND REPAIR ALL BMP'S AT LEAST ONCE A WEEK, AND AFTER EVERY SIGNIFICANT RAIN EVENT (> 1/2" OF RAINFALL.) A LOG OF SUCH INSPECTIONS SHALL BE MAINTAINED AT THE SITE.
6. ANY BMP IN NEED OF REPAIR OR REINSTALLATION SHALL BE CORRECTED BY THE CONTRACTOR WITHIN 24 HOURS OF IDENTIFICATION OF THE NEED FOR SUCH CORRECTION.
7. ADDITIONAL BMP MEASURES MAY BE NECESSARY TO ENSURE THAT TURBID WATER IS NOT DISCHARGED FROM THE CONSTRUCTION SITE. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING COMPLIANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN, THE N.P.D.E.S. PERMIT AND THE CONDITIONS OF THE APPLICABLE NWFMD ENVIRONMENTAL RESOURCE PERMIT.
9. ALL DISTURBED AREAS TO BE LEFT IDLE LONGER THAN 14 DAYS MUST BE STABILIZED WITH QUICK GROW GRASS SEED AND MULCH.
10. NO TRENCHING OR EXCAVATION SHALL BE ALLOWED WITHIN THE CPZ OF PROTECTED TREES, EXCEPT WHERE DEBITS HAVE BEEN NOTED ON THE PLANS.
11. STREET SWEEPING WILL BE REQUIRED AS NECESSARY.
12. IMPROVEMENTS SHOWN FOR REFERENCE ONLY.
13. COORDINATE DISPOSAL OF EXCAVATED MATERIAL WITH OWNER.



NO.	REVISIONS	DATE	BY

Kimley»Horn
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 2615 CENTENNIAL BOULEVARD, SUITE 102
 TALLAHASSEE, FL 32308 PHONE: 850-553-3500
 WWW.KIMLEY-HORN.COM CA 00000696

KHA PROJECT: 142848000
 DATE: JAN 2020
 SCALE: AS SHOWN
 DESIGNED BY: FJA
 DRAWN BY: AC
 CHECKED BY: CRS
 DATE:

LICENSED PROFESSIONAL
 FELICITY JOY APPEL
 FL LICENSE NUMBER: 87780

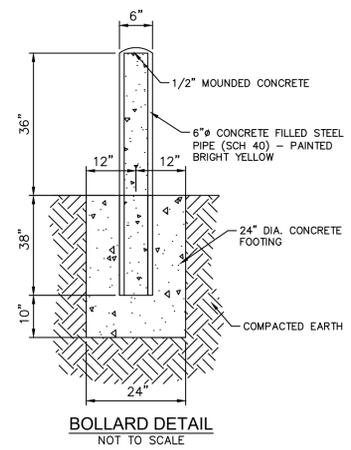
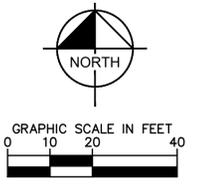
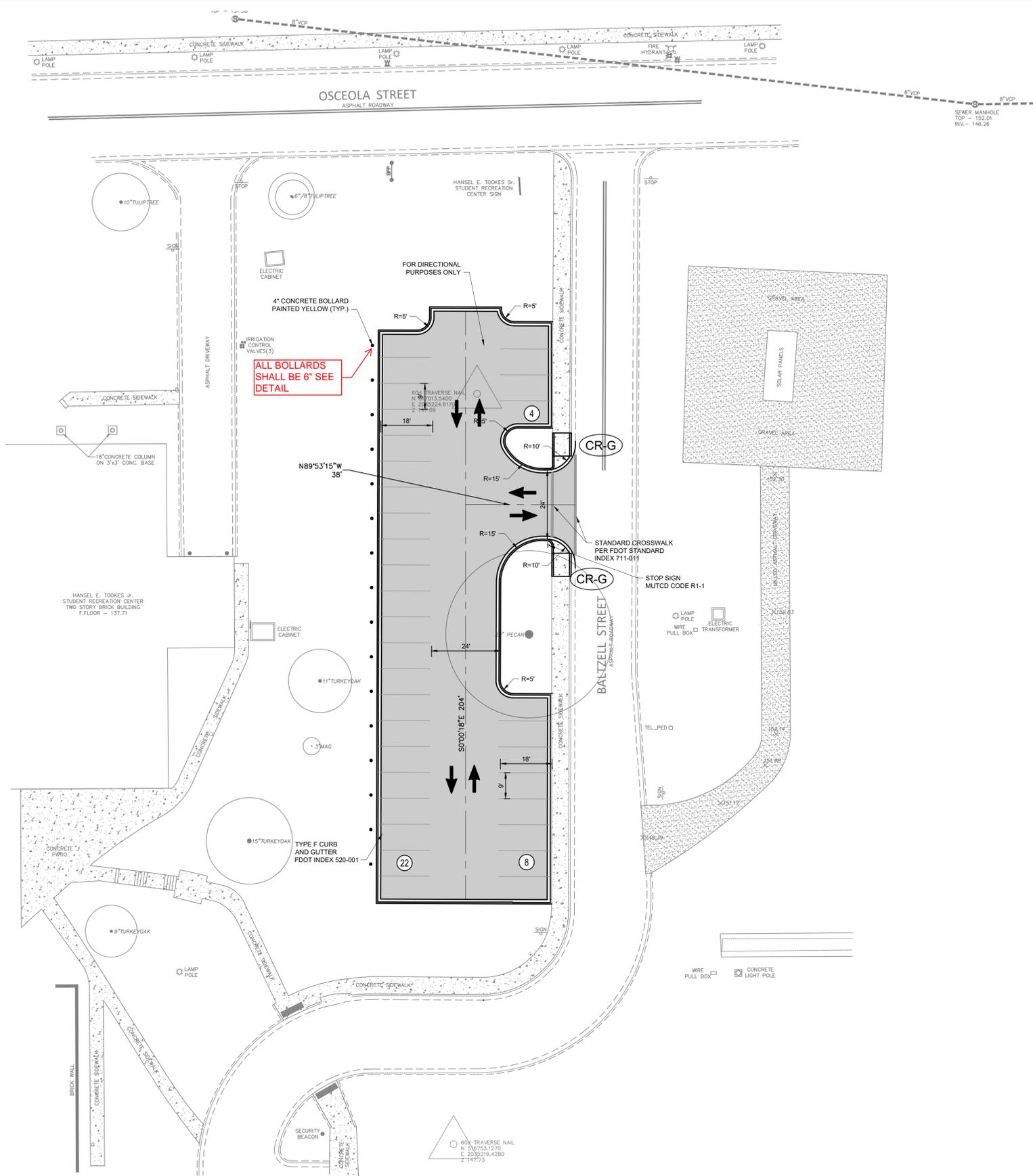
DEMOLITION & EROSION CONTROL PLAN

FAMU REC. CENTER PARKING
 PREPARED FOR
 FAMU
 TALLAHASSEE, FL

SHEET NUMBER
C200

CALL 2 WORKING DAYS BEFORE YOU DIG
 IT'S THE LAW! DIAL 811
 Know what's below. Call before you dig.
 SUNSHINE STATE ONE CALL OF FLORIDA, INC.

Plotted By: Appel, Felicity. Sheet: Set: FAMU Rec Center Parking. Layout: C300. January 13, 2020. 10:58:20am. K:\TAL\Civil\142848 - FAMU\142848000 - FAMU Rec Center Parking Design\CADD\PlanSheets\C300 SITE PLAN.dwg
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LEGEND:

ASPHALT PAVEMENT

- SITE PLAN NOTES:**
- ALL DIMENSIONS ARE TO FACE OF THE CURB UNLESS OTHERWISE NOTED
- (CR-X) CURB RAMP - FDOT TYPE X PER STANDARD PLANS 522-002 (DETECTABLE WARNINGS SHALL BE INSTALLED PER FDOT SPECIFICATIONS)

CALL 2 WORKING DAYS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

Know what's below. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

No.	REVISIONS	DATE	BY

Kimley»Horn

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 2020 S. WINTER HAVEN BOULEVARD
 TALLAHASSEE, FL 32308 - PHONE: 850-553-3000
 WWW.KIMLEY-HORN.COM CA 00000696

LICENSED PROFESSIONAL
 FELICITY JOY APPEL
 FL LICENSE NUMBER 87750
 DRAWN BY AC
 CHECKED BY CRS
 DATE

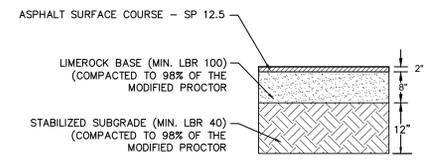
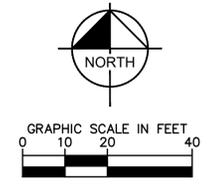
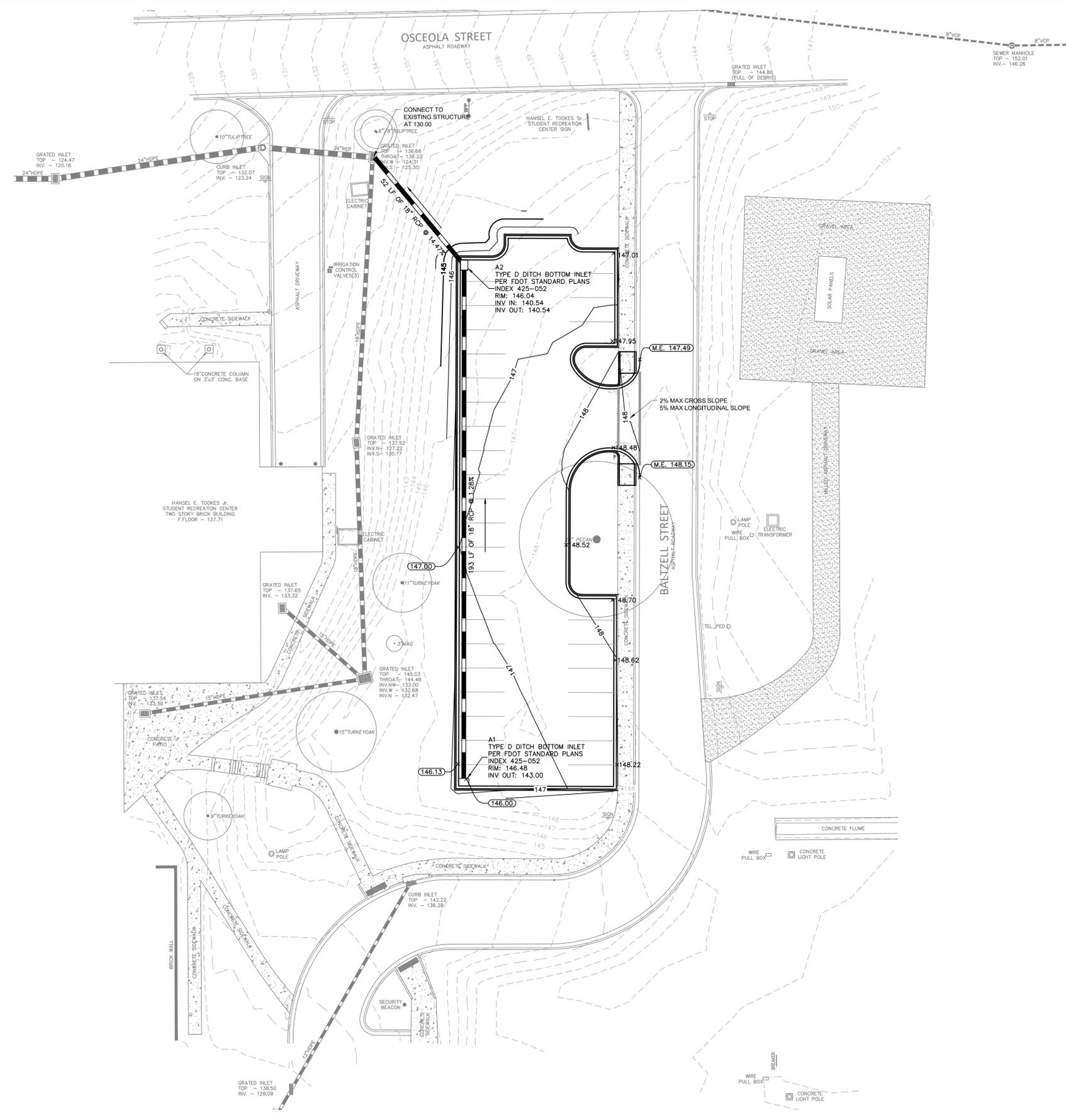
SITE PLAN

FAMU REC. CENTER PARKING
 PREPARED FOR
 FAMU

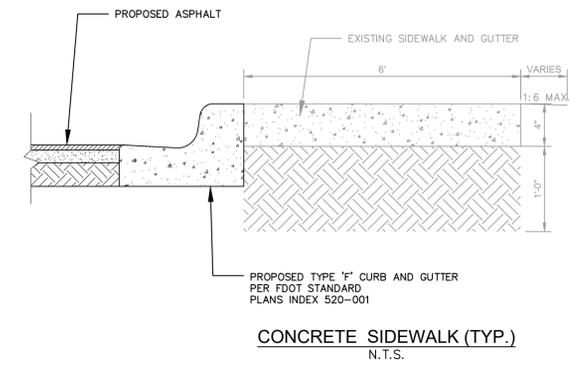
TALLAHASSEE FL

SHEET NUMBER
C300

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ASPHALTIC CONCRETE PAVEMENT SECTION
N.T.S.

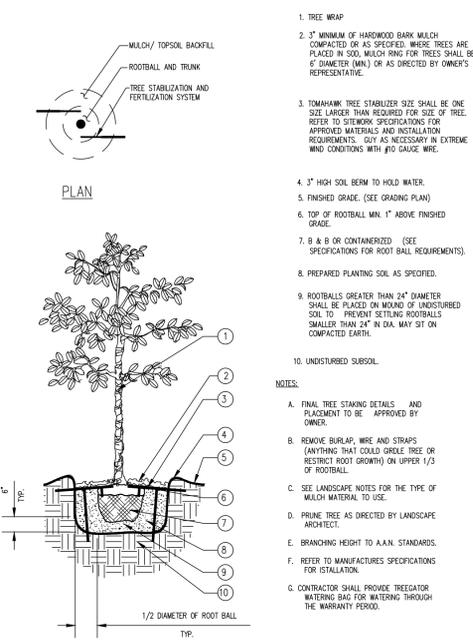


CONCRETE SIDEWALK (TYP.)
N.T.S.

CALL 2 WORKING DAYS BEFORE YOU DIG
 IT'S THE LAW! DIAL 811
 Know what's below. Call before you dig.
 SUNSHINE STATE ONE CALL OF FLORIDA, INC.

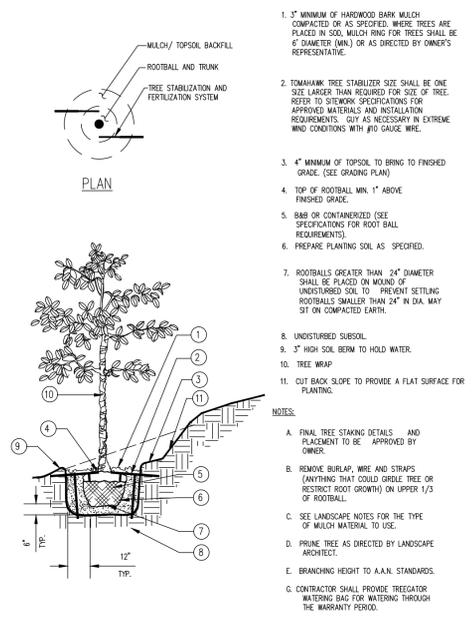
KHA PROJECT 142848000	DATE JAN 2020	SCALE AS SHOWN	DESIGNED BY FJA	DRAWN BY AC	CHECKED BY CRS	DATE	REVISIONS	DATE	BY
<p>FAMU REC. CENTER PARKING PREPARED FOR FAMU</p>							<p>Kimley»Horn © 2005 KIMLEY-HORN AND ASSOCIATES, INC. 2025 1515 COUNTRY BOULEVADE TALLAHASSEE, FL 32308 PHONE: 850-553-3500 WWW.KIMLEY-HORN.COM CA 00000696</p>		
<p>GRADING AND DRAINAGE PLAN</p>							<p>TALLAHASSEE, FL</p>		
<p>SHEET NUMBER C400</p>									

Plotted By: Appala, Felicity Sheet: Set: FAMU Rec. Center Parking Layout: CS200 January 13, 2020 10:59:38am K:\TAL_Civil\1422848 - FAMU\1422848000 - FAMU\1422848000 - FAMU\1422848000 - FAMU\1422848000 LANDSCAPE DETAILS.dwg
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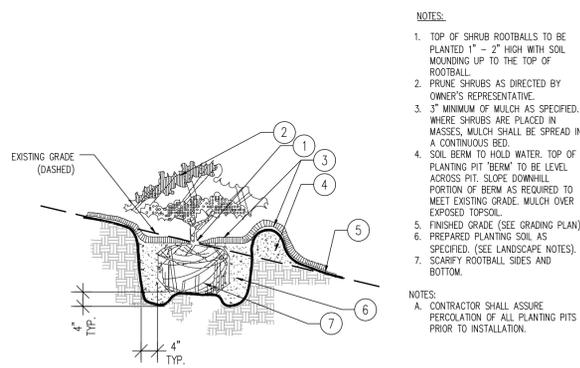
TREE PLANTING
SECTION NTS

1. TREE WRAP
 2. 3" MINIMUM OF HARDWOOD BARK MULCH COMPACTED OR AS SPECIFIED. WHERE TREES ARE PLACED IN SOD, MULCH RING FOR TREES SHALL BE 6" DIAMETER (MIN) OR AS DIRECTED BY OWNER'S REPRESENTATIVE.
 3. TOMAHAWK TREE STABILIZER SIZE SHALL BE ONE SIZE LARGER THAN REQUIRED FOR SIZE OF TREE. REFER TO SHEETWORK SPECIFICATIONS FOR APPROVED MATERIALS AND INSTALLATION REQUIREMENTS. CUT AS NECESSARY IN EXTREME WIND CONDITIONS WITH #10 GAUGE WIRE.
 4. 3" HIGH SOIL BERM TO HOLD WATER.
 5. FINISHED GRADE (SEE GRADING PLAN)
 6. TOP OF ROOTBALL MIN. 1" ABOVE FINISHED GRADE.
 7. 8" B & B OR CONTAINERIZED (SEE SPECIFICATIONS FOR ROOT BALL REQUIREMENTS)
 8. PREPARED PLANTING SOIL AS SPECIFIED.
 9. ROOTBALLS GREATER THAN 24" DIAMETER SHALL BE PLACED ON MOUND OF UNDISTURBED SOIL TO PREVENT SETTLING. ROOTBALLS SMALLER THAN 24" IN DIA. MAY SIT ON COMPACTED EARTH.
 10. UNDISTURBED SUBSOIL.
- NOTES:
- A. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.
 - B. REMOVE BURLAP, WIRE AND STRAPS (ANYTHING THAT COULD GRIPE TREE OR RESTRICT ROOT GROWTH) ON UPPER 1/3 OF ROOTBALL.
 - C. SEE LANDSCAPE NOTES FOR THE TYPE OF MULCH MATERIAL TO USE.
 - D. PRUNE TREE AS DIRECTED BY LANDSCAPE ARCHITECT.
 - E. BRANCHING HEIGHT TO A.A.N. STANDARDS.
 - F. REFER TO MANUFACTURER'S SPECIFICATIONS FOR STABILIZATION.
 - G. CONTRACTOR SHALL PROVIDE TREEGATOR WATERING BAG FOR WATERING THROUGH THE WARRANTY PERIOD.



TREE PLANTING ON A SLOPE
SECTION NTS

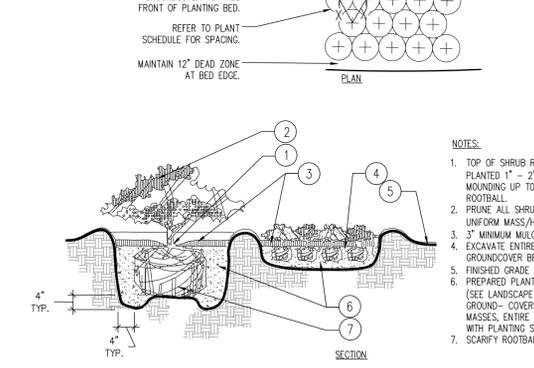
1. 3" MINIMUM OF HARDWOOD BARK MULCH COMPACTED OR AS SPECIFIED. WHERE TREES ARE PLACED IN SOD, MULCH RING FOR TREES SHALL BE 6" DIAMETER (MIN) OR AS DIRECTED BY OWNER'S REPRESENTATIVE.
 2. TOMAHAWK TREE STABILIZER SIZE SHALL BE ONE SIZE LARGER THAN REQUIRED FOR SIZE OF TREE. REFER TO SHEETWORK SPECIFICATIONS FOR APPROVED MATERIALS AND INSTALLATION REQUIREMENTS. CUT AS NECESSARY IN EXTREME WIND CONDITIONS WITH #10 GAUGE WIRE.
 3. 4" MINIMUM OF TOPSOIL TO BRING TO FINISHED GRADE (SEE GRADING PLAN)
 4. TOP OF ROOTBALL MIN. 1" ABOVE FINISHED GRADE.
 5. BAB OR CONTAINERIZED (SEE SPECIFICATIONS FOR ROOT BALL REQUIREMENTS)
 6. PREPARE PLANTING SOIL AS SPECIFIED.
 7. ROOTBALLS GREATER THAN 24" DIAMETER SHALL BE PLACED ON MOUND OF UNDISTURBED SOIL TO PREVENT SETTLING. ROOTBALLS SMALLER THAN 24" IN DIA. MAY SIT ON COMPACTED EARTH.
 8. UNDISTURBED SUBSOIL.
 9. 3" HIGH SOIL BERM TO HOLD WATER.
 10. TREE WRAP
 11. CUT BACK SLOPE TO PROVIDE A FLAT SURFACE FOR PLANTING.
- NOTES:
- A. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.
 - B. REMOVE BURLAP, WIRE AND STRAPS (ANYTHING THAT COULD GRIPE TREE OR RESTRICT ROOT GROWTH) ON UPPER 1/3 OF ROOTBALL.
 - C. SEE LANDSCAPE NOTES FOR THE TYPE OF MULCH MATERIAL TO USE.
 - D. PRUNE TREE AS DIRECTED BY LANDSCAPE ARCHITECT.
 - E. BRANCHING HEIGHT TO A.A.N. STANDARDS.
 - G. CONTRACTOR SHALL PROVIDE TREEGATOR WATERING BAG FOR WATERING THROUGH THE WARRANTY PERIOD.



Shrub/Groundcover Planting on a Slope
SECTION NTS

- NOTES:
1. TOP OF SHRUB ROOTBALLS TO BE PLANTED 1" - 2" HIGH WITH SOIL MOUNDING UP TO THE TOP OF ROOTBALL.
 2. PRUNE SHRUBS AS DIRECTED BY OWNER'S REPRESENTATIVE.
 3. 3" MINIMUM OF MULCH AS SPECIFIED. WHERE SHRUBS ARE PLACED IN MASSES, MULCH SHALL BE SPREAD IN A CONTINUOUS BED.
 4. SOIL BERM TO HOLD WATER. TOP OF PLANTING PIT "BERM" TO BE LEVEL ACROSS PIT. SLOPE DOWNHILL PORTION OF BERM AS REQUIRED TO MEET EXISTING GRADE. MULCH OVER EXPOSED TOPSOIL.
 5. FINISHED GRADE (SEE GRADING PLAN)
 6. PREPARED PLANTING SOIL AS SPECIFIED. (SEE LANDSCAPE NOTES).
 7. SCARIFY ROOTBALL SIDES AND BOTTOM.
- NOTES:
- A. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.

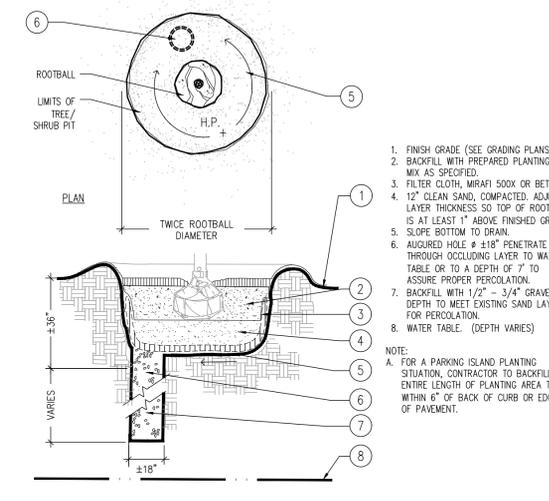
• ALL SHRUBS AND GROUNDCOVERS SHALL BE PLUMB VERTICALLY, UNLESS OTHERWISE DIRECTED BY OWNER'S REPRESENTATIVE.



Shrub/Groundcover Planting
PLAN/SECTION NTS

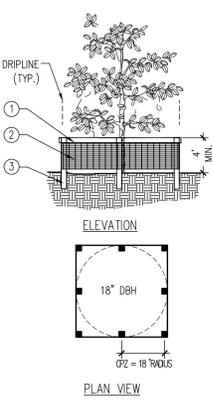
- NOTES:
1. TOP OF SHRUB ROOTBALLS TO BE PLANTED 1" - 2" HIGH WITH SOIL MOUNDING UP TO THE TOP OF ROOTBALL.
 2. PRUNE ALL SHRUBS TO ACHIEVE A UNIFORM MASS/HEIGHT.
 3. 3" MINIMUM MULCH AS SPECIFIED.
 4. EXCAVATE ENTIRE BED SPECIFIED FOR GROUNDCOVER BED.
 5. FINISHED GRADE (SEE GRADING PLAN)
 6. PREPARED PLANTING SOIL AS SPECIFIED. (SEE LANDSCAPE NOTES) NOTE: WHEN GROUND-COVERS AND SHRUBS USED IN MASSES, ENTIRE BED TO BE AMENDED WITH PLANTING SOIL MIX AS SPECIFIED.
 7. SCARIFY ROOTBALL SIDES AND BOTTOM.

• ALL SHRUBS AND GROUNDCOVERS SHALL BE PLUMB VERTICALLY, UNLESS OTHERWISE DIRECTED BY OWNER'S REPRESENTATIVE.



Poor Drainage Condition
PLAN/SECTION NTS

1. FINISH GRADE (SEE GRADING PLANS).
 2. BACKFILL WITH PREPARED PLANTING SOIL MIX AS SPECIFIED.
 3. FILTER CLOTH, WIRAFT 500X OR BETTER.
 4. 12" CLEAN SAND, COMPACTED. ADJUST LAYER THICKNESS SO TOP OF ROOTBALL IS AT LEAST 1" ABOVE FINISHED GRADE.
 5. SLOPE BOTTOM TO DRAIN.
 6. AUGURED HOLE # 1/8" PENETRATE THROUGH OCCLUDING LAYER TO WATER TABLE OR TO A DEPTH OF 3' TO ASSURE PROPER PERCOLATION.
 7. BACKFILL WITH 1/2" - 3/4" GRAVEL DEPTH TO MEET EXISTING SAND LAYER FOR PERCOLATION.
 8. WATER TABLE (DEPTH VARIES)
- NOTE:
- A. FOR A PARKING ISLAND PLANTING SITUATION, CONTRACTOR TO BACKFILL ENTIRE LENGTH OF PLANTING AREA TO WITHIN 6" OF BACK OF CURB OR EDGE OF PAVEMENT.



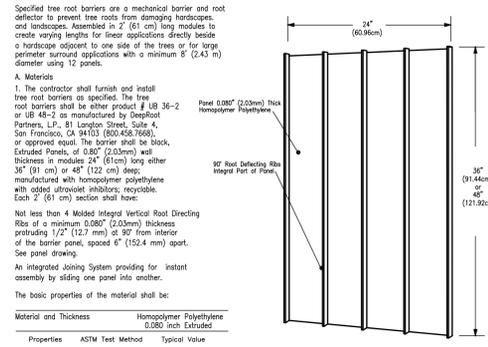
Tree/Shrub Protector
Barrier Detail NTS

1. 1" X 4" STRINGER
 2. 4" HEIGHT "PERIMETER PLUS" CONSTRUCTION FENCE BY CONWED PLASTICS OR OWNER'S REPRESENTATIVE APPROVED EQUAL. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO INSTALLATION.
 3. 2" X 4" PRESSURE TREATED WOOD POSTS OR 2" DIAMETER OR LARGER PIPE.
- INSTALLATION NOTES:
- A. POSTS SHALL BE DEEP ENOUGH IN THE GROUND TO BE STABLE AND TO EXTEND TO A MINIMUM HEIGHT OF 4' ABOVE THE GROUND.
 - B. SPACE POSTS EVERY 6" (MIN.) TO 8" (MAX.).
 - C. ONE 1" X 4" STRINGER BETWEEN ALL POSTS. SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM CONWED PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.
 - D. CRITICAL PROTECTION ZONE (CPZ) IS DETERMINED BY THE AREA WITHIN THE CIRCLE DESCRIBE BY A RADIUS OF ONE FOOT FOR EACH INCH OF THE TREE'S DIAMETER AT GREATEST HEIGHT.

NOTE: IF WIRE TIES ARE USED, AVOID DIRECT CONTACT WITH FENCE. WIRE MAY DAMAGE FENCE OVER TIME.

1. LOCATE ALL UNDERGROUND UTILITIES, ELECTRICAL WIRING, WATER, SEWER, TELEPHONE, TV CABLE, ETC. PRIOR TO LANDSCAPE OR IRRIGATION INSTALLATION.
2. CONTRACTOR IS RESPONSIBLE FOR COORDINATING PAYMENT OF IRRIGATION TAP FEES WITH THE OWNER AND INSTALLATION OF THE METER WITH CITY OF TALLAHASSEE.
3. INSTALL AN AUTOMATIC UNDERGROUND IRRIGATION SYSTEM FOR 100% COVERAGE OF ALL NEW PLANTED AND GRASSED AREAS. PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL BY OWNER AND ENGINEER
4. INSTALL ONLY PLANTS GRADED FLORIDA #1 OR BETTER AS SET FORTH IN THE FLORIDA DEPARTMENT OF AGRICULTURE "GRADES AND STANDARDS FOR NURSERY PLANTS" PART 1 AND 2 INCLUDING REVISIONS AND WHICH MEET OR EXCEED THE SIZES INDICATED IN THE PLANTING SCHEDULE AND DETAILS.
5. FERTILIZE ALL TREES WITH AGRIFORM 21 GRAM TABLETS. SLOW-RELEASE 20-10-5 ANALYSIS WITH ONE TABLET PER 1/2" OF TRUNK DIAMETER MULTI-TRUNK TREES SHALL BE CUMULATIVE.
6. TOP DRESS ALL PLANTING BEDS WITH A 4" LAYER OF SANDY-LOAM TOPSOIL. CROWN WITH TOPSOIL ALL PARKING AREA ISLAND PLANTERS TO HEIGHT AS INDICATED ON GRADING PLAN OR DETAIL ABOVE THE TOP OF CURB. NUT GRASS INFESTED TOPSOIL WILL NOT BE ACCEPTED.
7. BACKFILL ALL PLANTING PITS WITH ON-SITE SOIL. SUBMIT TOPSOIL SAMPLES FOR APPROVAL BY ENGINEER (SEE PLANTING DETAILS)
8. FERTILIZE ALL PLANTING BEDS WITH OSMOCOTE 18-6-12 SLOW-RELEASE FERTILIZER AT THE RATE OF 16 POUNDS PER 1,000 SQUARE FEET. FURNISH RECEIPTS FOR MATERIALS USED.
9. MULCH PLANTING BEDS TO A MINIMUM 3" LOOSE THICKNESS WITH CLEAN, RED DYED CRUSHED PINE BARK MULCH.
10. LAY SOD SOLIDLY IN ALL DISTURBED OR INDICATED AREAS WITH CLOSELY ABUTTING JOINTS. ROLL AND FERTILIZE WITH GRACE SIERRA "ONCE" 34-0-7 TURF FERTILIZER AT A RATE OF 15 LBS. PER 5,000 SQUARE FEET (1-800-492-8255) PIN ALL SODDED SLOPES GREATER THAN 3:1 WITH STEEL U-PINS/SOD STAPLES.
11. VERIFY ALL QUANTITIES IN THE PLANTING SCHEDULE AND INSTALL ALL PLANTS AND MATERIALS AS INDICATED IN THE PLAN. PROVIDE UNIT PRICES FOR EACH ITEM, PLANTS, MATERIALS, LABOR, ETC.
12. NOTIFY THE OWNER AND ENGINEER OF ANY UNFORESEEN CONDITIONS I.E., COMPACTED SOIL/SUBGRADE, POOR DRAINAGE, UTILITY CONFLICTS, ETC., PRIOR TO PROCEEDING WITH LANDSCAPE OR IRRIGATION INSTALLATION.
13. CONTRACTOR SHALL WARRANTY ALL PLANTS FOR ONE YEAR AFTER ENVIRONMENTAL PERMIT CLOSEOUT.
14. ALL PLANTS, MATERIALS AND WORKMANSHIP ARE SUBJECT TO THE APPROVAL OF THE ENGINEER AND OWNER.
15. DO NOT MAKE SUBSTITUTIONS OR REVISIONS. ANY REVISIONS OR MODIFICATIONS TO THE LANDSCAPE PLAN MUST HAVE PRIOR APPROVAL BY THE ENGINEER, OWNER AND PERMITTING AUTHORITY (CITY OR COUNTY). REVISIONS MUST BE DOCUMENTED AS A PERMIT AMENDMENT IN ACCORDANCE WITH APPLICABLE CITY OR COUNTY ORDINANCES.
16. WHERE UNDERGROUND UTILITIES CONFLICT WITH PROPOSED PLANTINGS, TREE PLACEMENT SHALL BE A MINIMUM OF TEN FEET FROM THE UNDERGROUND UTILITY AND A ROOT BARRIER OF TWO FEET DEEP SHALL BE INSTALLED.
17. NEW TREES MUST BE FIELD LOCATED UNDER THE SUPERVISION OF A CERTIFIED ARBORIST WHEN THEY ARE IN PROXIMITY TO EXISTING TREES.
18. NO TRENCHING SHALL OCCUR WITHIN THE CPZ OF ANY TREE THAT IS TO REMAIN.
19. ANY OAKS, MAGNOLIA OR OTHER LARGE CANOPY TREES WITHIN 6' OF ROADWAY, CURB AND GUTTER, OR SIDEWALK SHALL HAVE ROOT BARRIER AS APPROVED BY COUNTY ENGINEER.

UB 36-2/UB 48-2 Specifications
36" / 48" DeepRoot Tree Root Barrier



Material and Thickness

Properties	ASTM Test Method	Homopolymer Polyethylene 0.080 inch Extruded	Typical Value
Tensile Stress @ Yield	D638	0.080	3800 PSI
Elongation @ Break %	D638	0.080	12%
Tensile Modulus	D638	0.080	155,000 PSI
Notched Izod Impact	D556A	0.4 - 4.0	
Flexural Modulus 73 F PSI	D790	0.080	145,000
Hardness Shore	D2240	0.080	76B

NOT LESS THAN 4 MOLED INTEGRAL VERTICAL ROOT DIRECTING RIBS AT A MINIMUM 0.080" (2.03mm) THICKNESS PROTRUDING 1/2" (12.7 mm) AT 90° FROM INTERIOR OF THE BARRIER PANEL, SPACED 6" (152.4 mm) APART. SEE PANEL DRAWING.

An integrated Joining System providing for instant assembly by sliding one panel into another.

The basic properties of the material shall be:

Material and Thickness

Properties	ASTM Test Method	Typical Value
Tensile Stress @ Yield	D638	3800 PSI
Elongation @ Break %	D638	12%
Tensile Modulus	D638	155,000 PSI
Notched Izod Impact	D556A	0.4 - 4.0
Flexural Modulus 73 F PSI	D790	145,000
Hardness Shore	D2240	76B

B. Construction and Installation

1. The contractor shall install the tree root barriers with the number of panels and in the manner shown on the drawings. The vertical root directing rib shall be facing towards to the root ball and the top edge shall be 1/2" (12.7 mm) above grade. Each of the required number of panels shall be joined in a linear fashion and placed along the adjacent root barrier or where specified connected to form a circle around the root ball.
2. Excavation and preparation shall conform to the drawings.

CALL 2 WORKING DAYS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

Know what's below. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

Kimley-Horn

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LICENSED PROFESSIONAL
 KHA PROJECT 142848000
 DATE JAN 2020
 SCALE AS SHOWN
 DESIGNED BY FJA
 DRAWN BY AC
 CHECKED BY CRS
 DATE

FELICITY JOY APPEL
 FL LICENSE NUMBER 87750

LANDSCAPE DETAILS

FAMU REC. CENTER PARKING PREPARED FOR FAMU

TALLAHASSEE FL

SHEET NUMBER L200

REVISIONS

No.	REVISIONS	DATE	BY