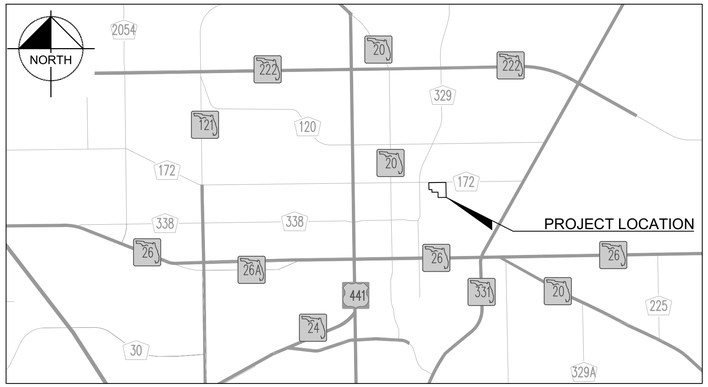
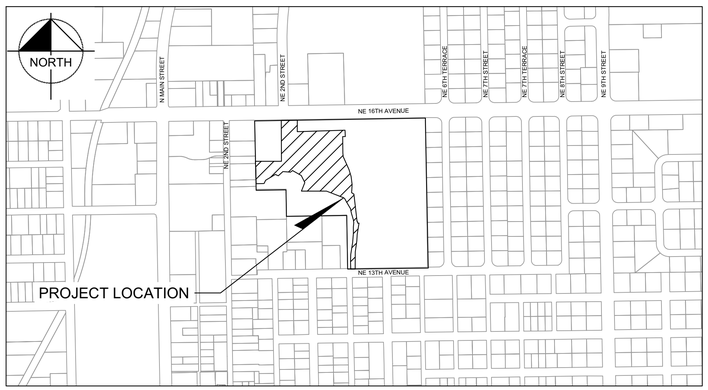
TOM PETTY PARK
PICKLEBALL IMPROVEMENTS

SITE DEVELOPMENT PLANS
FOR
CITY OF GAINESVILLE
SECTION 33, TOWNSHIP 09 SOUTH, RANGE 20 EAST
JANUARY 2025

VICINITY MAP



LOCATION MAP



SITE DATA:

PROJECT NAME	TOM PETTY PARK PICKLEBALL IMPROVEMENTS
PROJECT DESCRIPTION	THE PROJECT INCLUDES THE REMOVAL OF EXISTING RACQUETBALL COURTS, PORTIONS OF THE SIDEWALK AND TRAIL, A MISCELLANEOUS SINGLE-STORY STRUCTURE, CONCRETE SLAB, PORTIONS OF ASPHALT IN THE EXISTING OFF-STREET PARKING LOT, AND OTHER MISCELLANEOUS FEATURES. THE PROJECT WILL ALSO INCLUDE THE CONSTRUCTION OF EIGHT NEW PICKLEBALL COURTS, SIDEWALKS, PAVED TRAILS, CONCRETE SEATING AREAS, A GRAVEL VEHICLE PULL-OFF, THE EXPANSION OF SECTIONS OF THE EXISTING PAVED TRAIL, A WET DETENTION DRAINAGE RETENTION AREA, AND ASSOCIATED STORMWATER CONVEYANCE, LANDSCAPE, AND IRRIGATION IMPROVEMENTS.
PROJECT LOCATION	501 NE 16TH AVENUE GAINESVILLE, FL 32601
OWNER	CITY OF GAINESVILLE
ZONING	PUBLIC SERVICES AND OPERATIONS (PS)
FUTURE LAND USE	RECREATION
PROPOSED USE	RECREATION
PARCEL ACCT. NO.	10256-000-000
PARCEL AREA	973,149 S.F. (22.3404 AC.)
PROJECT AREA	226, 240 S.F. (5.1938 AC.)
FLOOD ZONE	X (FEMA FIRM MAP #12001C0312D EFF 06/16/2006)
TRANSPORTATION MOBILITY PROGRAM AREA (TMPA)	ZONE A
EXISTING AND PROPOSED SURFACES	
PROJECT AREA EXISTING IMPERVIOUS	82,308 S.F. (1.8895 AC.) (36.38% OF PROJECT AREA)
PROJECT AREA EXISTING PERVIOUS/OPEN SPACE	143,932 S.F. (3.3042 AC.) (63.62% OF PROJECT AREA)
PROJECT AREA PROPOSED IMPERVIOUS	124,385 S.F. (2.8555 AC.) (54.98% OF PROJECT AREA)
PROJECT AREA PROPOSED PERVIOUS/OPEN SPACE	95,553 S.F. (2.1936 AC.) (42.23% OF PROJECT AREA)
PROJECT AREA PROPOSED DRA	6,302 S.F. (0.1447 AC.) (2.79% OF PROJECT AREA)
PROJECT AREA NET IMPERVIOUS INCREASE	42,077 S.F. (0.9660 AC.) (18.60% OF PROJECT AREA)
VEHICLE TRIP GENERATION	
EXISTING WEEKDAY AVERAGE TRIPS	121 (TOTAL), 61 (ENTRY), 60 (EXIT)
PROPOSED WEEKDAY AVERAGE TRIPS	364 (TOTAL), 182 (ENTRY), 182 (EXIT)
EXISTING TOTAL PEAK HOUR A.M.	N/A
PROPOSED TOTAL PEAK HOUR A.M.	N/A
EXISTING P.M. PEAK HOUR TRIPS	17
PROPOSED P.M. PEAK HOUR TRIPS	51
INDEPENDENT VARIABLE (IV)	TENNIS COURTS - 4 (EXISTING) & 12 (PROPOSED) (4 EXISTING TENNIS COURTS AND 8 PROPOSED PICKLEBALL COURTS)
PARKING CALCULATIONS	
VEHICLE PARKING SPACES REQUIRED	113 SPACES MAX
EXISTING VEHICLE PARKING SPACES	81 SPACES (INCLUDES 6 ADA COMPLIANT SPACES)
PROPOSED VEHICLE PARKING SPACES	85 SPACES (INCLUDES 6 ADA COMPLIANT SPACES)
BICYCLE PARKING SPACES REQUIRED	13 SPACES
BICYCLE PARKING SPACES PROVIDED	18 SPACES
MOTORCYCLE PARKING SPACES REQUIRED	3 SPACES
MOTORCYCLE PARKING SPACES PROVIDED	4 SPACES

SURVEY:

CONTACT: 3002 SURVEYING, INC.
1330 NW 6TH STREET, SUITE C
GAINESVILLE, FL 32601
PHONE: (352) 538-1320

NOTE: SEE TOPOGRAPHIC SURVEY BY 3002 SURVEYING, INC. FOR BEARINGS & DISTANCES, MONUMENTATION, SECTION DATA, DATUM, FENCES, NOTES, AND SURVEYOR'S CERTIFICATION.

AGENCY PERMITS:

SJRWMD	ONGOING
CITY OF GAINESVILLE	ONGOING
GRU	ONGOING

ENGINEER'S CERTIFICATION:

I HEREBY CERTIFY THAT THESE PLANS AND CALCULATIONS WERE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS OF THE CITY OF GAINESVILLE "LAND DEVELOPMENT CODE" EXCEPT AS WAIVED, THAT THE ADJACENT PROPERTIES WILL BE PROTECTED FROM STORMWATER DAMAGE AS A RESULT OF THIS PROPOSED DEVELOPMENT, THAT THE DRAINAGE FACILITIES INCORPORATED HEREON ARE SUFFICIENT IN SIZE, AND THAT SIGHT DISTANCE AT DRIVEWAYS COMPLY WITH A.A.S.H.T.O. AND THE F.D.O.T. SITE IMPACT HANDBOOK. I FURTHER CERTIFY THAT THIS PLAN MEETS ALL REQUIREMENTS OF THE F.D.E.P. AND S.J.R.W.M.D.

OF KIMLEY-HORN AND ASSOCIATES, INC. DATE:

STATEMENT OF OWNERSHIP & CERTIFICATION

THIS IS TO HEREBY CERTIFY THAT WE, OUR SUCCESSORS AND ASSIGNS, SHALL PERPETUALLY MAINTAIN THE IMPROVEMENTS AS DESCRIBED IN THE OPERATION AND MAINTENANCE INSTRUCTIONS, AND AS SHOWN ON THESE PLANS.

CITY OF GAINESVILLE

UTILITY CONTACT INFORMATION

GRU - ELECTRIC RENE ZAMOT ZAMOTHR@GRU.COM (352) 393-1529	GRU - COMMUNICATION NEAL BEERY BEERYNW@GRU.COM (352) 393-6923	COX CABLE MICHELLE OSBORNE (478) 314-3577
GRU - GAS JOHN ZOLTEK ZOLTEKJO@GRU.COM (352) 334-6078	GRU - WATER/WASTEWATER BARBARA MISENER MISENERBJ@GRU.COM (352) 334-1613	AT&T DINO FARRUGGIO (561) 997-0204

GOVERNING STANDARDS AND SPECIFICATIONS

- THE CITY OF GAINESVILLE LAND DEVELOPMENT CODE
- FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION DATED FY 2024-2025 AND FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED JULY 2024-2025, AS AMENDED BY CONTRACT DOCUMENTS.

PROJECT OWNER AND CONSULTANTS

OWNER:
CITY OF GAINESVILLE
306 NE 6TH AVENUE, BUILDING B
GAINESVILLE, FL 33601
(352) 334-5067

CIVIL ENGINEERING, LANDSCAPE ARCHITECTURE AND ENVIRONMENTAL CONSULTANT:
KIMLEY-HORN AND ASSOCIATES, INC.
800 SW 2ND AVENUE, SUITE 100
GAINESVILLE, FLORIDA 32601
(352) 374-3274

GEOTECHNICAL:
GSE ENGINEERING AND CONSULTING, INC.
5590 SW 64TH STREET, SUITE B
GAINESVILLE, FL 32608
(352) 377-3233

SURVEYOR:
3002 SURVEYING, LLC
BRIAN E. MURPHY, P.S.M.
1330 NW 6TH STREET, SUITE C
GAINESVILLE, FL 32601
(352) 528-1320

MEP:
MITCHELL GULLEDGE ENGINEERING, INC.
204 SW 4TH AVE
GAINESVILLE, FL 32601
(352) 745-3991

STORMWATER MANAGEMENT UTILITY DATA:

TOTAL ONSITE EXISTING IMPERVIOUS AREA	82,308 S.F.
TOTAL ONSITE PROPOSED IMPERVIOUS AREA	124,385 S.F.
TOTAL ONSITE NET IMPERVIOUS AREA INCREASE	42,077 S.F.
TOTAL OFFSITE EXISTING IMPERVIOUS AREA	0 S.F.
TOTAL OFFSITE PROPOSED IMPERVIOUS AREA	0 S.F.
TOTAL OFFSITE NET IMPERVIOUS AREA INCREASE	0 S.F.

BASIN ID	LOWEST DISCHARGE EL. (FT)	VOL. BELOW DISCHARGE EL. (CF)	AREA AT LOWEST DISCHARGE EL. (AC)
DRA-1 (WET DETENTION)	179.00	17,136	0.1447

ELECTRIC DESIGN PROVIDED BY GRU ENERGY DELIVERY

FOR REVIEW ONLY
GRU CERTIFICATION

DATE: _____

GRU NOTIFICATIONS

1. NOTIFY GRU WASTEWATER ENGINEERING 48 HOURS PRIOR TO CONSTRUCTION AT 352-393-1633; IF PROPER NOTIFICATION IS NOT MADE, CONTRACTOR IS SUBJECT TO STOP WORK ORDER.
2. NOTIFY GRU ELECTRIC INSPECTIONS 48 HOURS PRIOR TO CONSTRUCTION AT 352-339-0430; IF PROPER NOTIFICATION IS NOT MADE, CONTRACTOR IS SUBJECT TO BE SHUT DOWN.

W/WW/RCW SYSTEM DESIGN IS IN ACCORDANCE WITH GRU DESIGN AND MATERIAL STANDARDS

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

INDEX OF SHEETS

NUMBER	TITLE
C0.0	COVER SHEET
C1.0	GENERAL NOTES
C2.0	OVERALL EXISTING CONDITIONS AND DEMOLITION PLAN
C2.1	EXISTING CONDITIONS AND DEMOLITION PLAN
C2.2	EXISTING CONDITIONS AND DEMOLITION PLAN
C3.0	STORMWATER POLLUTION PREVENTION PLAN
C3.1	STORMWATER POLLUTION PREVENTION NOTES
C3.2	STORMWATER POLLUTION PREVENTION DETAILS
C4.0	OVERALL SITE GEOMETRY AND MARKING PLAN
C4.1	SITE GEOMETRY AND MARKING PLAN
C4.2	SITE GEOMETRY AND MARKING PLAN
C5.0	OVERALL PAVING GRADING AND DRAINAGE PLAN
C5.1	PAVING GRADING AND DRAINAGE PLAN
C5.2	PAVING GRADING AND DRAINAGE PLAN
C5.3	STORMWATER POND SECTIONS AND DETAILS
C6.0	OVERALL UTILITY PLAN
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C7.0	CONSTRUCTION DETAILS
L1.00	OVERALL HARDSCAPE PLAN AND NOTES
L1.01	HARDSCAPE PLAN
L1.02	HARDSCAPE PLAN
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L1.04	HARDSCAPE DETAILS
L1.05	HARDSCAPE DETAILS AND FINISH SCHEDULE
L2.00	OVERALL LANDSCAPE PLAN, NOTES, AND SCHEDULE
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L2.02	LANDSCAPE PLAN AND DETAILS
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L2.04	LANDSCAPE TECHNICAL SPECIFICATIONS
L3.00	OVERALL IRRIGATION PLAN AND NOTES
L3.01	IRRIGATION PLAN
L3.02	IRRIGATION PLAN
L3.03	IRRIGATION DETAILS AND NOTES
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L3.05	IRRIGATION DETAILS AND NOTES
L3.06	IRRIGATION DETAILS
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L3.08	IRRIGATION TECHNICAL SPECIFICATIONS
E001	ELECTRICAL LEGEND, CODES, & ABBREVIATIONS
E101	ELECTRICAL SITE PLAN
E201	ELECTRICAL SINGLE LINE DIAGRAM & SCHEDULES
1 OF 1	TOPOGRAPHIC SURVEY (3002 SURVEYING, INC.)

CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES
YOUR HALF-CENT SALES TAX AT WORK

WILD SPACES & PUBLIC PLACES
306 NE 6TH AVENUE
GAINESVILLE, FL 32609
BETSY WAITE, PE - DIRECTOR

PH: 352-393-8187
EMAIL: WAITEED@CITYOFGAINESVILLE.ORG

No.	REVISIONS	DATE	BY
	DESIGN DEVELOPMENT SUBMITTAL	05-21-24	--
	90% CONSTRUCTION DOCUMENTS	07-02-24	--
	SITE DEVELOPMENT REVIEW	09-06-24	--
	SITE DEVELOPMENT REVIEW	12-20-24	--
	SITE DEVELOPMENT REVIEW & BID ADDENDUM NO. 1	01-21-25	--
	NOT FOR CONSTRUCTION	--	--

GAINESVILLE APPROVED
DATE: 02/13/25
LD24-000087 - Intermediate - Tom Petty Park Pickleball

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
800 SW 2ND AVENUE, SUITE 100, GAINESVILLE, FL 32601
PHONE: 352-374-3274
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

2025.01.22 17:04:43-05'00'

DAVID C. SOWELL, P.E.
STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 68531

THIS ITEM HAS BEEN DIGITALLY S... AND SEALED BY DAVID C. SO... ON THE DATE INDICATED...

PRINTED COPIES OF THIS... NOT CONSIDERED SI... AND THE SIGNATU... ON ANY ELE...

GAINESVILLE REVIEWED FOR CODE COMPLIANCE
SW25-000012 - SITE WORK - Tom Petty Park (LD24-000087)
02/28/25

KHA PROJECT 142107025
DATE JANUARY 2025
SCALE AS SHOWN
DESIGNED
DRAWN
CHECKED

COVER SHEET

TOM PETTY PARK
PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

SHEET NUMBER
C0.0

GENERAL CONSTRUCTION NOTES

1. THE CONTRACTOR AND SUBCONTRACTORS SHALL OBTAIN A COPY OF THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (LATEST EDITION) AND BECOME FAMILIAR WITH THE CONTENTS PRIOR TO COMMENCING WORK.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. CONTRACTOR SHALL CLEAR AND GRUB ALL AREAS UNLESS OTHERWISE INDICATED, REMOVING TREES, STUMPS, ROOTS, MUCK, EXISTING PAVEMENT AND ALL OTHER DELETERIOUS MATERIAL.

3. EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF THE TOPOGRAPHIC SURVEY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE HE COMMENCES ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.

4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 48 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION. A LIST OF THE UTILITY COMPANIES WHICH THE CONTRACTOR MUST CALL BEFORE COMMENCING WORK IS PROVIDED ON THE COVER SHEET OF THESE CONSTRUCTION PLANS. THIS LIST SERVES AS A GUIDE ONLY AND IS NOT INTENDED TO LIMIT THE UTILITY COMPANIES WHICH THE CONTRACTOR MAY WISH TO NOTIFY.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS AND BONDS IF REQUIRED PRIOR TO CONSTRUCTION.

6. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONSTRUCTION DOCUMENTS INCLUDING PLANS, SPECIFICATIONS, AND SPECIAL CONDITIONS AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS.

7. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND NOTIFICATION TO THE ENGINEER.

8. ALL COPIES OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE OWNER AND DESIGN ENGINEER OF RECORD DIRECTLY FROM THE TESTING AGENCY.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TO THE ENGINEER A CERTIFIED RECORD SURVEY SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA DEPICTING THE ACTUAL FIELD LOCATION OF ALL CONSTRUCTED IMPROVEMENTS THAT ARE REQUIRED BY THE JURISDICTIONAL AGENCIES FOR THE CERTIFICATION PROCESS. ALL SURVEY COSTS WILL BE THE CONTRACTORS RESPONSIBILITY.

10. THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

11. ANY WELLS DISCOVERED ON SITE THAT WILL HAVE NO USE MUST BE PLUGGED BY A LICENSED WELL DRILLING CONTRACTOR IN A MANNER APPROVED BY ALL JURISDICTIONAL AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY WELL ABANDONMENT PERMITS REQUIRED.

12. ANY WELL DISCOVERED DURING EARTH MOVING OR EXCAVATION SHALL BE REPORTED TO THE APPROPRIATE JURISDICTIONAL AGENCIES WITHIN 24 HOURS AFTER DISCOVERY IS MADE.

13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK THAT WOULD BE AFFECTED. FAILURE TO NOTIFY OWNER OF AN IDENTIFIABLE CONFLICT PRIOR TO PROCEEDING WITH INSTALLATION RELIEVES OWNER OF ANY OBLIGATION TO PAY FOR A RELATED CHANGE ORDER.

14. PROVIDE TEMPORARY CONSTRUCTION FENCING TO FULLY ENCLOSE CONSTRUCTION AREA. WHERE POSSIBLE, EXISTING CHAIN-LINK FENCING TO REMAIN CAN BE UTILIZED AS CONSTRUCTION FENCING IF CONTINUOUS, IN GOOD CONDITION, AND IN APPROXIMATE LOCATIONS OF PROPOSED CONSTRUCTION FENCING AS SHOWN IN PLANS. TEMPORARY FENCING TO BE GALVANIZED STEEL CHAIN-LINK FENCING, 6' HEIGHT AND WITH BASE STANDS AND SAND BAGS ON EACH FOR STABILITY. POST CONSTRUCTION AREA WITH ADA-COMPLIANT SIGNAGE INDICATING AREA AS AN ACTIVE CONSTRUCTION ZONE, NO TRESPASSING, AND OTHER WARNINGS AS REQUIRED BY THE CITY OR REGULATORY AGENCY(IES). CONTRACTOR RESPONSIBLE FOR MAINTENANCE OF FENCING FOR THE DURATION OF CONSTRUCTION

15. FURNISH ALL NECESSARY MATERIALS, EQUIPMENT, MACHINERY, TOOLS, MEANS OF TRANSPORTATION AND LABOR NECESSARY TO COMPLETE THE WORK IN FULL AND COMPLETE ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND JURISDICTIONAL AGENCY REQUIREMENTS. IN THE EVENT THE CONSTRUCTION DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.

16. ALL DETAILS, SECTION, AND NOTES SHOWN ON DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS ELSEWHERE UNLESS NOTED OR SHOWN OTHERWISE.

17. MAINTAIN SITE IN NEAT AND ORDERLY CONDITION DAILY.

18. GUARANTEE ALL WORK FOR A PERIOD OF ONE YEAR FOLLOWING FINAL ACCEPTANCE UNLESS OTHERWISE STIPULATED IN THE CONTRACT DOCUMENTS.

19. COMPACTION TESTING IS REQUIRED. CONTRACTOR IS RESPONSIBLE FOR PROVIDING TESTING CONDUCTED BY THE GEOTECHNICAL ENGINEER OF RECORD AS INDICATED ON THE COVER SHEET.

20. THE OVERALL SITE TOPOGRAPHIC AND BOUNDARY INFORMATION SHOWN HEREON WAS ORIGINALLY PREPARED BY 3002 SURVEYING, INC. DATED MARCH 2024.

21. SURVEY DOCUMENTS REFERENCE VERTICAL DATUM NAVD 88. CONTRACTOR SHALL VERIFY VERTICAL DATUM OF SURVEY DOCUMENTS PRIOR TO CONSTRUCTION.

CITY OF GAINESVILLE NOTES

1. THE METHOD AND MANNER OF PERFORMING THE WORK AND THE QUALITIES OF MATERIAL FOR CONSTRUCTION WITHIN THE ROW SHALL CONFORM TO THE REQUIREMENTS SPECIFIED BY THE PUBLIC WORKS DEPARTMENT.

2. NO WORK SHALL BE DONE NOR MATERIALS USED IN THE ROW, WITHOUT INSPECTION BY THE PUBLIC WORKS DEPARTMENT (352-334-5070), AND THE CONTRACTOR/DEVELOPER SHALL FURNISH THE DEPARTMENT WITH EVERY REASONABLE FACILITY FOR ASCERTAINING WHETHER THE WORK PERFORMED AND MATERIALS USED ARE IN ACCORDANCE WITH THE REQUIREMENTS AND INTENT OF THE PLANS AND SPECIFICATIONS.

3. THE PUBLIC WORKS DEPARTMENT RESERVES THE RIGHT TO MODIFY THE PROPOSED WORK WITHIN THE ROW TO ENSURE COMPATIBILITY WITH EXISTING IMPROVEMENTS. SUCH MODIFICATION COSTS SHALL BE BORNE BY THE DEVELOPER."

4. EXACT LIMITS OF ROADWAY AND SIDEWALK TO BE REMOVED WILL BE DETERMINED BY CITY PUBLIC WORKS INSPECTION STAFF. ANY NON-COMPLIANT OR DAMAGED AREAS DUE TO CONSTRUCTION WITHIN THE RIGHT-OF-WAY SHALL BE REMOVED AND REPLACED PRIOR TO FINAL ACCEPTANCE.

5. THE CONTRACTOR SHALL INSTALL ALL UNDERGROUND STORM WATER PIPING PER MANUFACTURER'S RECOMMENDATIONS.

6. ALL REQUIRED BACKFILL WITHIN THE ROW SHALL BE DOCUMENTED WITHIN A FDOT TYPE DENSITY LOG BOOK, COMPILED AND MAINTAINED BY THE CONTRACTOR, AND SHALL BE AVAILABLE FOR REVIEW BY THE PUBLIC WORKS INSPECTOR AT ALL TIMES AND IMMEDIATELY UPON REQUEST. THE LOG BOOK WILL BE REVIEWED FOR COMPLIANCE TO SPECIFICATIONS BY CITY STAFF PRIOR TO ANY EARTHWORK STARTING. THE LOG BOOK SHALL CONTAIN PROCTORS, LBRS, SOIL CLASSIFICATIONS, ETC. AS REQUIRED BY SPECIFICATION. THE LOG BOOK SHALL BE SIGNED AND SEALED BY THE PROFESSIONAL ENGINEER RESPONSIBLE FOR MATERIALS TESTING AND PROVIDED TO THE PUBLIC WORKS DEPARTMENT FOR REVIEW AND TCO ACCEPTANCE AS PART OF THE CLOSEOUT DOCUMENTS.

7. THE INSITU MATERIAL FOR ALL DRY RETENTION PONDS WILL BE TESTED BY A GEOTECHNICAL ENGINEER USING APPROPRIATE METHODOLOGIES SUCH AS ONSITE TESTING WITH A DOUBLE-RING INFILTROMETER OR TRENCH TEST, OR COLLECTION OF AN UNDISTURBED SAMPLE FOR TESTING SUCH AS A SHELBY TUBE TO DEMONSTRATE THAT IT IS NOT LESS THAN THE DESIGN INFILTRATION. TEST RESULTS SHALL BE SUBMITTED TO THE CITY FOR APPROVAL. THE COST SHALL BE BORNE BY THE CONTRACTOR.

8. POST INSTALLATION VIDEO INSPECTIONS IN ACCORDANCE WITH FDOT SPECIFICATIONS SHALL BE REQUIRED FOR ALL PIPE IN THE CITY RIGHT-OF-WAY AND THE COST SHALL BE BORNE BY THE CONTRACTOR.

9. THE CONTRACTOR SHALL PROVIDE THE CITY WITH AN INTERIM AS-BUILT SURVEY OF THE RETENTION/DETENTION BASIN(S) AND ASSOCIATED CONTROL STRUCTURES THAT MUST BE PREPARED BY A REGISTERED LAND SURVEYOR. THE SURVEY SHALL PROVIDE VERTICAL AND HORIZONTAL EXTENTS OF THE STORMWATER BASINS AND ELEVATION OF CONTROL STRUCTURES AND CONFIRM THE STORMWATER SYSTEM IS IN CONFORMANCE WITH APPROVED PLANS PRIOR TO PERMANENTLY COVERING OR BURYING THE BASINS. THE SURVEY SHALL BE IN ACCORDANCE WITH STANDARDS IDENTIFIED IN THE CURRENT CITY OF GAINESVILLE ENGINEERING AND DESIGN CONSTRUCTION MANUAL SECTION 7.4.

10. ALL WORK WITHIN OR ON CITY OWNED AND MAINTAINED FACILITIES, ROW OR EASEMENTS, AS WELL AS ALL STORMWATER INFRASTRUCTURE, WHETHER ON PRIVATE OR PUBLIC PROPERTY, SHALL REQUIRE AS-BUILT PLANS. AS-BUILT SURVEYS MUST MEET THE CRITERIA PROVIDED IN SECTION 7.4 OF THE CURRENT CITY OF GAINESVILLE ENGINEERING DESIGN AND CONSTRUCTION MANUAL.

11. PRIOR TO ANY WORK BEING PERFORMED WITH THE CITY ROW, INCLUDING A CONSTRUCTION ENTRANCE, A ROW OBSTRUCTION PERMIT IS REQUIRED. AT NO TIME ARE VEHICLES OR EQUIPMENT ALLOWED TO JUMP THE CITY CURB. EMAIL DG_PW_PERMITS@CITYOFGAINESVILLE.ORG FOR A ROW OBSTRUCTION PERMIT APPLICATION.

PAVING, GRADING AND DRAINAGE NOTES

1. ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN THE RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH LOCAL OR COUNTY SPECIFICATIONS AND STANDARDS (LATEST EDITION) OR FDOT SPECIFICATIONS AND STANDARDS (LATEST EDITION) IF NOT COVERED BY LOCAL OR COUNTY REGULATIONS.

2. ALL UNPAVED AREAS IN EXISTING RIGHTS-OF-WAY DISTURBED BY CONSTRUCTION SHALL BE REGRADED AND SODDED.

3. TRAFFIC CONTROL ON ALL FDOT, LOCAL AND COUNTY RIGHTS-OF-WAY SHALL MEET THE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (U.S. DOT/FHWA) AND THE REQUIREMENTS OF THE STATE AND ANY LOCAL AGENCY HAVING JURISDICTION. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.

4. THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL UNTIL A GRASS STAND IS WELL ESTABLISHED OR ADEQUATE STABILIZATION OCCURS.

5. ALL AREAS INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTIONS AS INDICATED ON THE DRAWINGS.

6. WHERE EXISTING PAVEMENT IS INDICATED TO BE REMOVED AND REPLACED, THE CONTRACTOR SHALL SAW CUT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND REPLACE THE PAVEMENT WITH THE SAME TYPE AND DEPTH OF MATERIAL AS EXISTING OR AS INDICATED.

7. WHERE NEW PAVEMENT MEETS THE EXISTING PAVEMENT, THE CONTRACTOR SHALL SAW CUT THE EXISTING PAVEMENT FULL DEPTH FOR A SMOOTH AND STRAIGHT JOINT AND MATCH THE EXISTING PAVEMENT ELEVATION WITH THE PROPOSED PAVEMENT UNLESS OTHERWISE INDICATED.

8. THE CONTRACTOR SHALL INSTALL FILTER FABRIC OVER ALL DRAINAGE STRUCTURES FOR THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER. ALL DRAINAGE STRUCTURES SHALL BE CLEANED OF DEBRIS AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.

9. IF DEWATERING IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ANY APPLICABLE REQUIRED PERMITS. THE CONTRACTOR IS TO COORDINATE WITH THE OWNER AND THE DESIGN ENGINEER PRIOR TO ANY EXCAVATION.

10. STRIP TOPSOIL AND ORGANIC MATTER FROM ALL AREAS OF THE SITE AS REQUIRED. IN SOME CASES TOPSOIL MAY BE STOCKPILED ON SITE FOR PLACEMENT WITHIN LANDSCAPED AREAS BUT ONLY AS DIRECTED BY THE OWNER.

11. FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH THE LOCAL JURISDICTIONAL AGENCY OR TO FDOT STANDARDS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.

12. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED AS PER PLANS. THE AREAS SHALL THEN BE SODDED OR SEEDED AS SPECIFIED IN THE PLANS, ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE JOB SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. ALL EARTHEN AREAS WILL BE SODDED OR SEEDED AND MULCHED AS SHOWN ON THE LANDSCAPING PLAN. SOD, WHERE CALLED FOR, MUST BE INSTALLED AND MAINTAINED ON EXPOSED SLOPES WITHIN 48 HOURS OF COMPLETING FINAL GRADING, AND AT ANY OTHER TIME AS NECESSARY, TO PREVENT EROSION, SEDIMENTATION OR TURBID DISCHARGES.
13. ALL CUT OR FILL SLOPES SHALL BE 4 (HORIZONTAL) :1 (VERTICAL) OR FLATTER UNLESS OTHERWISE SHOWN.

14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.

15. THE CONTRACTOR SHALL TAKE ALL REQUIRED MEASURES TO CONTROL TURBIDITY, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF TURBIDITY BARRIERS AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS DUE TO THE PROPOSED WORK. TURBIDITY BARRIERS MUST BE MAINTAINED IN EFFECTIVE CONDITION AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. THEREAFTER, THE CONTRACTOR MUST REMOVE THE BARRIERS. AT NO TIME SHALL THERE BE ANY OFF-SITE DISCHARGE WHICH VIOLATES THE WATER QUALITY STANDARDS IN CHAPTER 17-302, FLORIDA ADMINISTRATIVE CODE.

16. THE CONTRACTOR MUST REVIEW AND MAINTAIN A COPY OF THE ENVIRONMENTAL RESOURCE PERMIT COMPLETE WITH ALL CONDITIONS, ATTACHMENTS, EXHIBITS, AND PERMIT MODIFICATIONS IN GOOD CONDITION AT THE CONSTRUCTION SITE. THE COMPLETE PERMIT MUST BE AVAILABLE FOR REVIEW UPON REQUEST BY WATER MANAGEMENT DISTRICT REPRESENTATIVES.

17. THE CONTRACTOR SHALL ENSURE THAT ISLAND PLANTING AREAS AND OTHER PLANTING AREAS ARE NOT COMPACTED AND DO NOT CONTAIN ROAD BASE MATERIALS. THE CONTRACTOR SHALL ALSO EXCAVATE AND REMOVE ALL UNDESIRABLE MATERIAL FROM ALL AREAS ON THE SITE TO BE PLANTED AND PROPERLY DISPOSED OF IN A LEGAL MANNER.

18. THE CONTRACTOR SHALL INSTALL ALL UNDERGROUND STORM WATER PIPING PER MANUFACTURER'S RECOMMENDATIONS.

MAINTENANCE OF TRAFFIC (MOT) NOTES

1. PREPARE A MAINTENANCE OF TRAFFIC (MOT) PLAN FOR CONSTRUCTION ACTIVITY THAT OCCURS WITHIN THE CITY RIGHT-OF-WAY, INCLUDING BUT NOT LIMITED TO SIDEWALK WORK AND ACTIVITIES. THE MOT PLAN MUST BE CREATED BY AN INDIVIDUAL WHO IS CERTIFIED TO DO SO BY THE FDOT MOT CERTIFICATION TRAINING. THE MOT PLAN MUST ALSO BE IN ACCORDANCE WITH FDOT DESIGN STANDARDS, FDOT STANDARD SPECIFICATIONS, AND CITY PUBLIC WORKS REQUIREMENTS AND MUST BE REVIEWED AND APPROVED BY THE CITY OF GAINESVILLE PUBLIC WORKS DEPARTMENT. ALL WORK SHALL BE PERFORMED OUTSIDE OF THE RIGHT-OF-WAY WITH NO DRIVE AISLE OR PARKING CLOSURES. THE MOT PLAN MUST ALSO BE REVIEWED AND APPROVED BY FDOT.

2. THE CONTRACTOR SHALL PROVIDE A DETAILED MAINTENANCE OF TRAFFIC PLAN PRIOR TO THE START OF CONSTRUCTION FOR APPROVAL BY CITY OF GAINESVILLE PUBLIC WORKS DEPARTMENT PRIOR TO CONSTRUCTION.

WATER AND SEWER UTILITY NOTES

1. THE CONTRACTOR SHALL CONSTRUCT GRAVITY SEWER LATERALS, MANHOLES, GRAVITY SEWER LINES AND DOMESTIC WATER AND FIRE PROTECTION SYSTEM AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL FURNISH ALL NECESSARY MATERIALS, EQUIPMENT, MACHINERY, TOOLS, MEANS OF TRANSPORTATION AND LABOR NECESSARY TO COMPLETE THE WORK IN FULL AND COMPLETE ACCORDANCE WITH THE SHOWN, DESCRIBED AND REASONABLY INTENDED REQUIREMENTS OF THE CONTRACT DOCUMENTS AND JURISDICTIONAL AGENCY REQUIREMENTS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.

2. THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO EITHER SOD OR NEW PLANTINGS, DEPENDING ON EXISTING CONDITIONS. CONFIRM WITH OWNER'S REPRESENTATION PRIOR TO DISTURBANCE IF AREA IS NOT ADDRESSED IN LANDSCAPE PLANS.

3. DEFLECTION OF PIPE JOINTS AND CURVATURE OF PIPE SHALL NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS. SECURELY CLOSE ALL OPEN ENDS OF PIPE AND FITTINGS WITH A WATERTIGHT PLUG WHEN WORK IS NOT IN PROGRESS. THE INTERIOR OF ALL PIPES SHALL BE CLEAN AND JOINT SURFACES WIPED CLEAN AND DRY AFTER THE PIPE HAS BEEN LOWERED INTO THE TRENCH. VALVES SHALL BE PLUMB AND LOCATED ACCORDING TO THE PLANS.

4. ALL PHASES OF INSTALLATION, INCLUDING UNLOADING, TRENCHING, LAYING AND BACK FILLING, SHALL BE DONE IN A FIRST CLASS WORKMANLIKE MANNER. ALL PIPE AND FITTINGS SHALL BE CAREFULLY STORED FOLLOWING MANUFACTURER'S RECOMMENDATIONS. CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE COATING OR LINING IN ANY D.I. PIPE FITTINGS. ANY PIPE OR FITTING WHICH IS DAMAGED OR WHICH HAS FLAWS OR IMPERFECTIONS WHICH, IN THE OPINION OF THE ENGINEER OR OWNER, RENDERS IT UNFIT FOR USE, SHALL NOT BE USED. ANY PIPE NOT SATISFACTORY FOR USE SHALL BE CLEARLY MARKED AND IMMEDIATELY REMOVED FROM THE JOB SITE, AND SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

5. WATER FOR FIRE FIGHTING SHALL BE AVAILABLE FOR USE PRIOR TO COMBUSTIBLES BEING BROUGHT ON SITE.

6. ALL UTILITY AND STORM DRAIN TRENCHES LOCATED UNDER AREAS TO RECEIVE PAVING SHALL BE COMPLETELY BACK FILLED IN ACCORDANCE WITH THE GOVERNING JURISDICTIONAL AGENCY'S SPECIFICATIONS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.

7. UNDERGROUND LINES SHALL BE SURVEYED BY A PROFESSIONAL LAND SURVEYOR BEFORE BACK FILLING.

8. CONTRACTOR SHALL PERFORM, AT HIS OWN EXPENSE, ANY AND ALL TESTS REQUIRED BY THE SPECIFICATIONS AND/OR ANY AGENCY HAVING JURISDICTION. THESE TESTS MAY INCLUDE, BUT MAY NOT BE LIMITED TO, INFILTRATION AND EXFILTRATION, TELEVISION INSPECTION AND A MANDREL TEST ON GRAVITY SEWER. A COPY OF THE TEST RESULTS SHALL BE PROVIDED TO THE UTILITY PROVIDER, OWNER AND JURISDICTIONAL AGENCY AS REQUIRED.

EROSION CONTROL NOTES

1. THE STORM WATER POLLUTION PREVENTION PLAN ("SWPPP") IS COMPRISED OF THE EROSION CONTROL PLAN, THE STANDARD DETAILS, THE PLAN NARRATIVE, ATTACHMENTS INCLUDED IN SPECIFICATIONS OF THE SWPPP, PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.

2. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE OF FLORIDA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.

3. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.

4. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY THE PERMITTING AGENCY OR OWNER.

5. EROSION CONTROL PLAN MUST CLEARLY DELINEATE ALL STATE WATERS. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.

6. THE CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.

7. CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.

8. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.

9. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.

10. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.

11. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THE PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.

12. STABILIZATION PRACTICES SHOULD BE INITIATED AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS WHERE CONSTRUCTION HAS TEMPORARILY CEASED.

13. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.

14. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED AS SOON AS POSSIBLE.

15. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED AS SOON AS POSSIBLE.

16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE DETENTION POND AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.

17. ON-SITE & OFF SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW SHALL BE PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.

18. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.

19. DUE TO GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION.

20. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY, THIS INCLUDES BACK FILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.

MAINTENANCE

ALL MEASURES STATED ON THE EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A 0.5" RAINFALL EVENT, AND CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.

2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED AND RESEEDED AS NEEDED. FOR MAINTENANCE REQUIREMENTS REFER TO SECTION 981 OF THE STANDARD SPECIFICATIONS.

3. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.

4. THE CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND.

5. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.

6. OUTLET STRUCTURES IN THE SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 55 CUBIC YARDS / ACRE.

7. ALL MAINTENANCE OPERATIONS SHALL BE DONE IN A TIMELY MANNER BUT IN NO CASE LATER THAN 2 CALENDAR DAYS FOLLOWING THE INSPECTION.

AS-BUILT NOTES

1. SUBMITTAL OF AS-BUILT SITE SURVEY, INCLUDING BENCHMARKS, IS REQUIRED PRIOR TO SCHEDULING A FINAL INSPECTION FOR THE CITY, GRU, AND THE WATER MANAGEMENT DISTRICT.

2. AS-BUILT DRAWINGS SHALL BE PREPARED IN AUTOCAD FORMAT BY A FLORIDA REGISTERED LAND SURVEYOR. AN ELECTRONIC FILE OF THE PROJECT SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. SIGNED AND SEALED PRINTS SHALL BE PROVIDED TO THE ENGINEER AS REQUESTED. PROVIDE LOCATION, ELEVATION AND DESCRIPTION OF BENCHMARK(S).

3. PROVIDE BUILDING LOCATIONS, FINISH FLOOR ELEVATIONS, PAVEMENT GRADES AND ALL UNDERGROUND FACILITIES FENCING, SHADE STRUCTURES, AND SITE FURNISHINGS INCLUDED AS PART OF THE CONSTRUCTION DOCUMENTS.

4. PROVIDE PERIMETER DIMENSIONS.

5. PROVIDE SPECIAL DETAIL DRAWINGS WHERE INSTALLATIONS WERE NOT AS SHOWN ON CONSTRUCTION DRAWINGS DUE TO FIELD CONDITIONS OR WHERE REQUIRED FOR CLARITY.

6. LOCATE ALL PIPES AND PROVIDE SIZE, ELEVATION, INVERT ELEVATIONS, LENGTH AND TYPE.

7. AN AS-BUILT IRRIGATION PLAN IS ALSO REQUIRED - SEE IRRIGATION PLANS FOR FURTHER REQUIREMENTS.

No.	REVISIONS	DATE	BY
	DESIGN DEVELOPMENT SUBMITTAL	05-21-24	-
	90% CONSTRUCTION DOCUMENTS	07-02-24	-
	SITE DEVELOPMENT REVIEW	09-06-24	-
	SITE DEVELOPMENT REVIEW	12-20-24	-
	SITE DEVELOPMENT REVIEW & BID ADDENDUM NO. 1	01-21-25	-
	NOT FOR CONSTRUCTION	-	-

GAINESVILLE APPROVED
DATE: 02/13/25
LD24-000087 - Intermediate - Tom Petty Park Pickleball

Kimley»Horn

800 SW 2ND AVENUE, SUITE 100, GAINESVILLE, FL 32601
PHONE: 352-374-3274
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

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STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 68531
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GAINESVILLE REVIEWED FOR CODE COMPLIANCE
SW25-000012 - SITE WORK - Tom Petty Park (LD24-000087)
02/28/25

KHA PROJECT 142107025
DATE JANUARY 2025
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GENERAL NOTES

TOM PETTY PARK
PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

SHEET NUMBER
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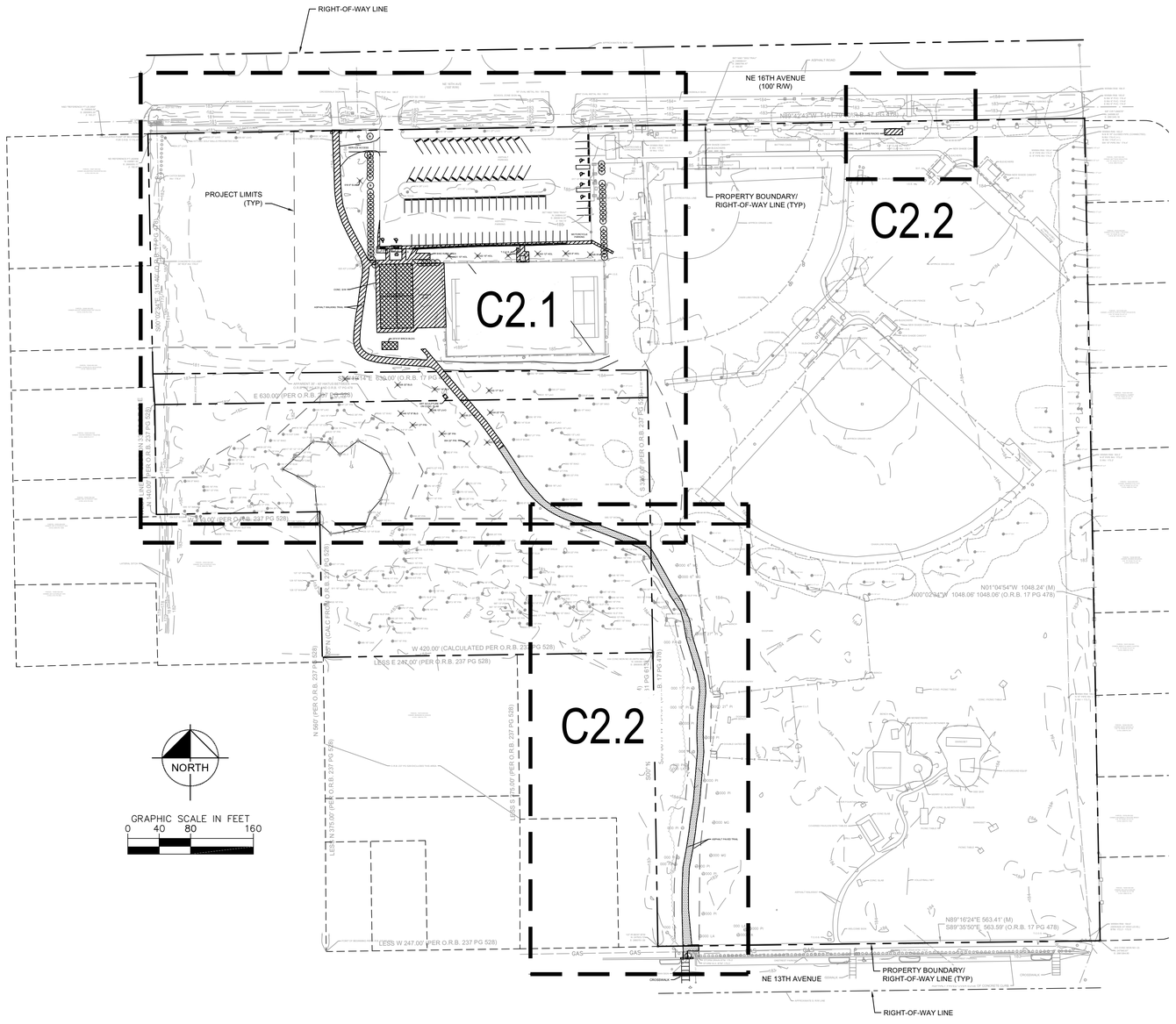

CONTRACTOR NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-DEMOLITION INSPECTION WITH THE DEPARTMENT OF PUBLIC WORKS PRIOR TO ANY CONSTRUCTION BEGINNING.
2. PRIOR TO ANY DEMOLITION ACTIVITIES, CONTACT THE URBAN FORESTRY INSPECTOR AT (352) 334-5023 FOR REVIEW AND APPROVAL REGARDING DEMOLITION METHODS WITHIN THE DRIPLINE OF EXISTING HERITAGE (OVER 20" DBH) LIVE OAKS. HAND-EXCAVATION OR AIR-SPADING IS REQUIRED UNDER THE DRIPLINES OF THESE TREES FOR THOSE AREAS OF PROPOSED GRADE CHANGES OR REMOVAL OF EXISTING PAVING OR STRUCTURES, IN ORDER TO REVIEW THEIR EXISTING ROOT STRUCTURE AND GAIN APPROVAL FROM THE URBAN FORESTRY INSPECTOR REGARDING ACCEPTABLE METHODS OF ADDRESSING EXISTING ROOTS OVER 1" DIAMETER THAT MAY BE IN CONFLICT WITH PROPOSED CONSTRUCTION ACTIVITIES.

No.	REVISIONS	DATE	BY
	DESIGN DEVELOPMENT SUBMITTAL	05-21-24	--
	90% CONSTRUCTION DOCUMENTS	07-02-24	--
	SITE DEVELOPMENT REVIEW	09-06-24	--
	SITE DEVELOPMENT REVIEW	12-20-24	--
	SITE DEVELOPMENT REVIEW & BID ADDENDUM NO. 1	01-21-25	--
	NOT FOR CONSTRUCTION	--	--

GAINESVILLE APPROVED
DATE: 02/13/25
LD24-000087 - Intermediate - Tom Retty Park Pickleball

Kimley»Horn
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GAINESVILLE REVIEWED FOR CODE COMPLIANCE
SW25-000012 - SITE WORK - Tom Petty Park (LD24-000087)
02/28/25

KHA PROJECT 142107025
DATE JANUARY 2025
SCALE AS...
DESIGNED
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OVERALL EXISTING CONDITIONS AND DEMOLITION PLAN

TOM PETTY PARK
PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

SHEET NUMBER
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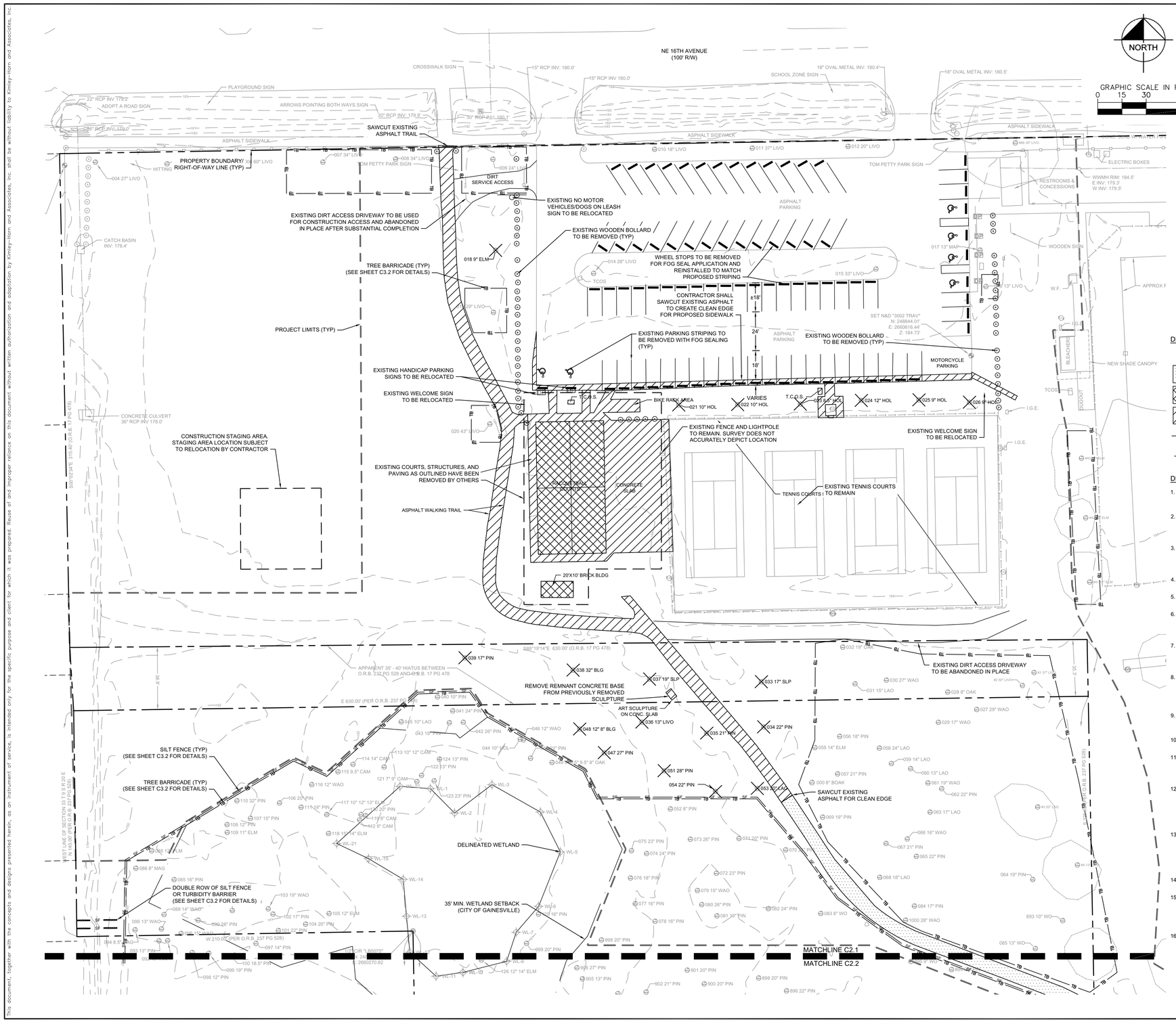

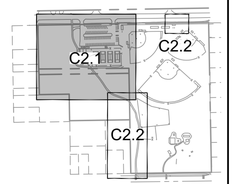

KEY MAP

SCALE: 1" = 500'

DEMOLITION LEGEND

- TREE TO BE REMOVED
- ASPHALT TO BE RESURFACED
- BUILDING/STRUCTURE TO BE REMOVED
- ASPHALT/CONCRETE TO BE REMOVED
- SF — SILT FENCE (SEE SHEET C3.2 FOR DETAILS)
- TB — TREE BARRICADE (SEE SHEET C3.2 FOR DETAILS)

DEMOLITION NOTES

1. ALL DEMOLITION MATERIALS ARE TO BE REMOVED FROM SITE AND PROPERLY DISPOSED OF AN IN A LEGAL MANNER. AFTER DEMOLITION IS COMPLETE THE SITE SHALL BE DELIVERED IN A CONDITION SUITABLE FOR DEVELOPMENT.
2. 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 DRAWING SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER, ARCHITECT, AND ENGINEER.
3. VARIATIONS TO CONDITIONS OR DISCREPANCIES IN ACTUAL FIELD CONDITIONS AS THEY APPLY TO THE DEMOLITION OR SITE DEVELOPMENT WORK MUST BE BROUGHT TO THE OWNER'S REPRESENTATIVE AND ENGINEER'S ATTENTION PRIOR TO THE COMMENCEMENT OF ANY DEMOLITION.
4. CONTRACTOR IS RESPONSIBLE FOR CONTROLLING AIRBORNE DUST AND POLLUTANTS BY USING WATER SPRINKLING OR OTHER SUITABLE MEANS OF CONTROL.
5. DEWATERING SHOULD BE ANTICIPATED AND ALL COSTS, PERMITS, AND EQUIPMENT FOR DEWATERING SHALL BE INCLUDED IN THE CONTRACTOR'S BID PRICE.
6. DEMOLITION CONTRACTOR SHALL CONSTRUCT EROSION CONTROL MEASURES AS SHOWN ON THESE PLANS AS NECESSARY DURING DEMOLITION OPERATIONS OR AS DIRECTED BY THE ENGINEER, CITY, OR COUNTY INSPECTOR TO PROTECT ADJACENT PROPERTIES AND WATER RESOURCES FROM SOIL EROSION AND SEDIMENTATION.
7. CONTRACTOR TO USE CARE IN HANDLING DEBRIS FROM SITE TO ENSURE THE SAFETY OF THE PUBLIC. HAUL ROUTE IS TO BE CLOSELY MONITORED FOR DEBRIS OR MATERIALS TRACKED ONTO ADJOINING ROADWAYS, SIDEWALKS, ETC. ALL ROADWAYS AND WALKWAYS ARE TO BE CLEARED DAILY OR AS NECESSARY TO MAINTAIN PUBLIC SAFETY.
8. THE DEMOLITION CONTRACTOR MUST NOTIFY ALL UTILITY COMPANIES, FIRE MARSHAL, AND OWNER'S REPRESENTATIVE PRIOR TO INTERRUPTION OF ANY UTILITY SERVICE. THE DEMOLITION CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH AND ADHERENCE TO THE REGULATIONS REGARDING SERVICE INTERRUPTION OF EACH UTILITY COMPANY AND FIRE MARSHAL.
9. THE DEMOLITION CONTRACTOR MUST PROTECT ALL LANDSCAPING AND OTHER FEATURES DESIGNATED TO REMAIN, AND REPLACE SUCH ITEMS WITHOUT ADDITIONAL PAYMENT IF DISTURBED DURING DEMOLITION.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. THE DEMOLITION CONTRACTOR MUST PROTECT BENCH MARKS PROPERTY CORNERS, AND ALL OTHER SURVEY MONUMENTS FROM DAMAGE OR DISPLACEMENT. IF A MARKER MUST BE REMOVED, IT SHALL BE REPLACED BY A LICENSED LAND SURVEYOR AND REPLACED.
12. THE DEMOLITION CONTRACTOR SHALL ACQUIRE ALL PERMITS AND PAY ALL ASSOCIATED FEES PERTAINING TO THE DEMOLITION AND DISPOSAL REQUIREMENTS. THE DEMOLITION CONTRACTOR IS RESPONSIBLE FOR ADHERENCE TO ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS REGARDING THIS WORK. IF THERE ARE NO LOCAL, STATE, OR FEDERAL REQUIREMENTS THE DEMOLITION CONTRACTOR SHALL ACQUIRE AN ENGINEER'S CERTIFICATION THAT THE WORK HAS BEEN DONE IN ACCORDANCE WITH THE PLANS.
13. CONTRACTOR TO SCHEDULE A PRE-DEMOLITION INSPECTION WITH PUBLIC WORKS PRIOR TO ANY CONSTRUCTION BEGINNING. THIS MEETING WILL COVER THE LIMITS OF THE SILT FENCE AND DISCUSS THE R.O.W. OBSTRUCTION PERMIT NEEDED PRIOR TO ANY WORK BEING PERFORMED WITHIN THE CITY R.O.W. EMAIL DG_PW_PERMITS@CITYOFGAINESVILLE.COM FOR A R.O.W. OBSTRUCTION PERMIT APPLICATION.
14. CONTRACTOR SHALL CONTACT GRU TO INSPECT THE SANITARY SEWER LATERAL ONCE CUT AND CAPPED.
15. SEE SHEET C3.2 FOR TREE PROTECTION DETAILS. CONTACT THE CITY OF GAINESVILLE URBAN FORESTRY INSPECTOR AT 352-334-5023 TO SCHEDULE A TREE BARRICADE INSPECTION AND TO REVIEW PROPOSED LANDSCAPE MATERIALS BEFORE BEGINNING ANY CLEARING, SITE WORK, OR INSTALLATION ACTIVITIES. CONTACT A MINIMUM OF THREE DAYS PRIOR TO REQUESTED MEETING DATE.
16. PROTECTIVE BARRIERS SHALL BE CONSTRUCTED AS INDICATED IN DEMOLITION PLANS TO PREVENT THE DESTRUCTION OR DAMAGING OF REGULATED TREES THAT ARE LOCATED WITHIN 50 FEET OF ANY CONSTRUCTION ACTIVITY OR STORAGE OF EQUIPMENT AND MATERIALS. PROTECTED TREES SHALL INCLUDE THOSE TREES THAT HAVE NOT BEEN PERMITTED NOR DESIGNATED FOR REMOVAL AS SHOWN IN DEMOLITION PLANS BY EITHER THE TERMS OF THE PERMIT OR APPROVED DEVELOPMENT ORDER. PROTECTIVE BARRIERS SHALL BE PLAINLY VISIBLE AND SHALL CREATE A CONTINUOUS BOUNDARY AROUND TREES OR VEGETATION CLUSTERS IN ORDER TO PREVENT ENCROACHMENT BY MACHINERY, VEHICLES, OR STORED MATERIALS. BARRIERS SHALL BE INSPECTED BY THE URBAN FORESTRY INSPECTOR PRIOR TO PROCEEDING WITH SITE WORK. SEE TREE PROTECTION DETAILS FOR SPECIFIC REQUIREMENTS FOR BOTH REGULATED TREES AND HIGH-QUALITY, HERITAGE TREES.

No.	REVISIONS	DATE	BY
	DESIGN DEVELOPMENT SUBMITTAL	05-21-24	--
	90% CONSTRUCTION DOCUMENTS	07-02-24	--
	SITE DEVELOPMENT REVIEW	09-06-24	--
	SITE DEVELOPMENT REVIEW	12-20-24	--
	SITE DEVELOPMENT REVIEW & BID ADDENDUM NO. 1	01-21-25	--
	NOT FOR CONSTRUCTION	--	--

GAINESVILLE APPROVED
DATE: 02/13/25
LD24-000087 - Intermediate - Tom Retty Park Pickleball

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800 SW 2ND AVENUE, SUITE 100, GAINESVILLE, FL 32601
PHONE: 352-374-3274
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SW25-000012 - SITE WORK - Tom Petty Park (LD24-000087)
02/28/25

KHA PROJECT 142107025
DATE JANUARY 2025
SCALE AS
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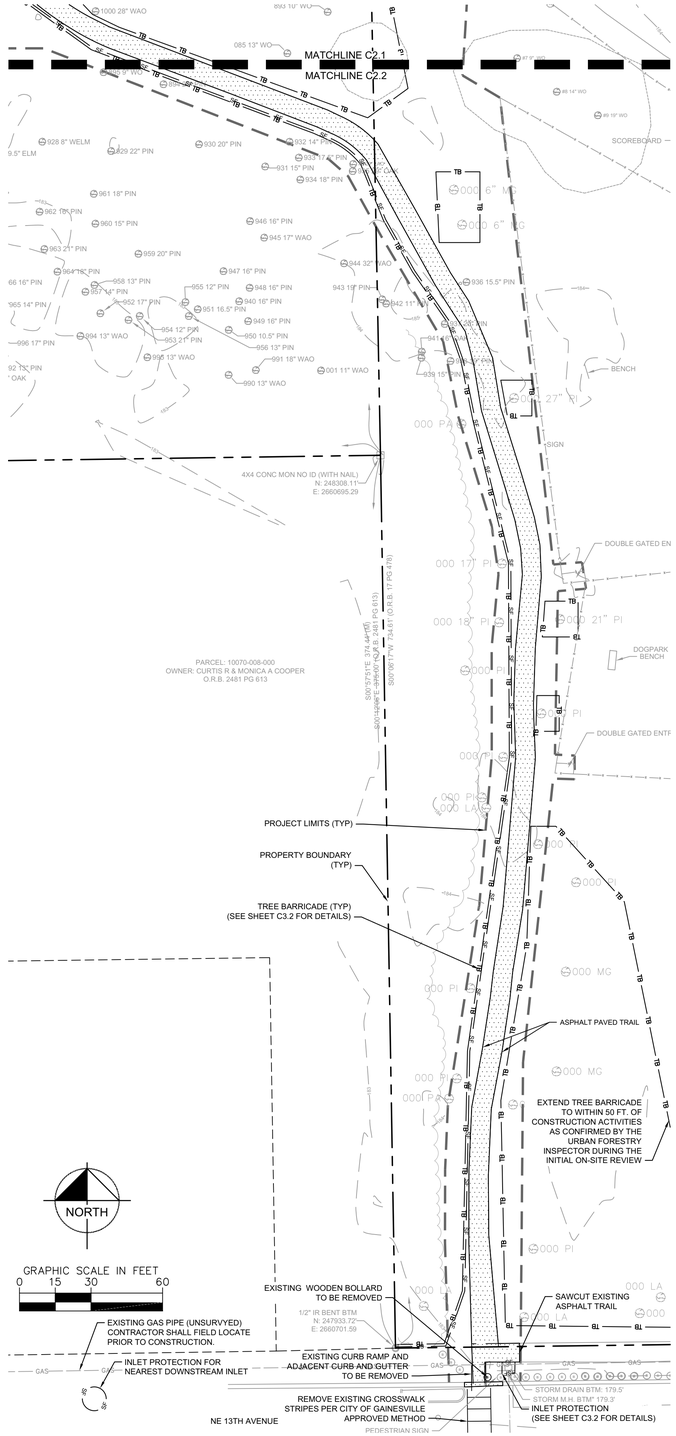
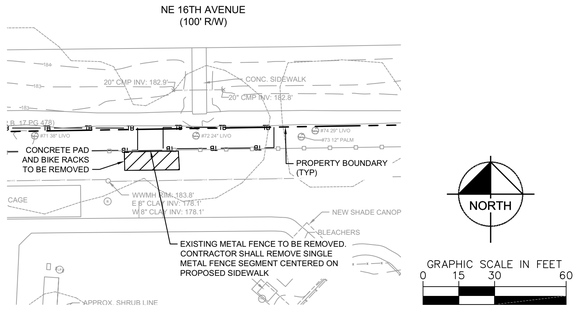
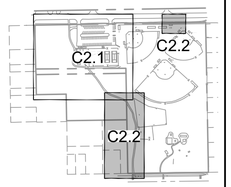
TOM PETTY PARK
PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

EXISTING CONDITIONS AND DEMOLITION PLAN

SHEET NUMBER
C2.1







KEY MAP
SCALE: 1" = 500'

DEMOLITION LEGEND

- TREE TO BE REMOVED
- ASPHALT TO BE RESURFACED
- BUILDING/STRUCTURE TO BE REMOVED
- ASPHALT/CONCRETE TO BE REMOVED
- SF — SILT FENCE (SEE DETAIL SHEET C7.0)
- TB — TREE BARRICADE (SEE DETAIL SHEET C7.0)

GRU GAS NOTES:

1. CONTRACTOR SHALL LOCATE, PROTECT, AND MAINTAIN 36" MIN. COVER OVER EXISTING GRU GAS MAIN AND GAS SERVICE DURING ALL PHASES OF DEMOLITION/CONSTRUCTION.
2. CONTRACTOR SHALL CONTACT GRU GAS OPERATIONS SUPERVISOR WESLEY LESTER AT (352) 538-2570 SEVEN (7) DAYS PRIOR TO THE START OF DEMOLITION.

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EXISTING CONDITIONS AND DEMOLITION PLAN

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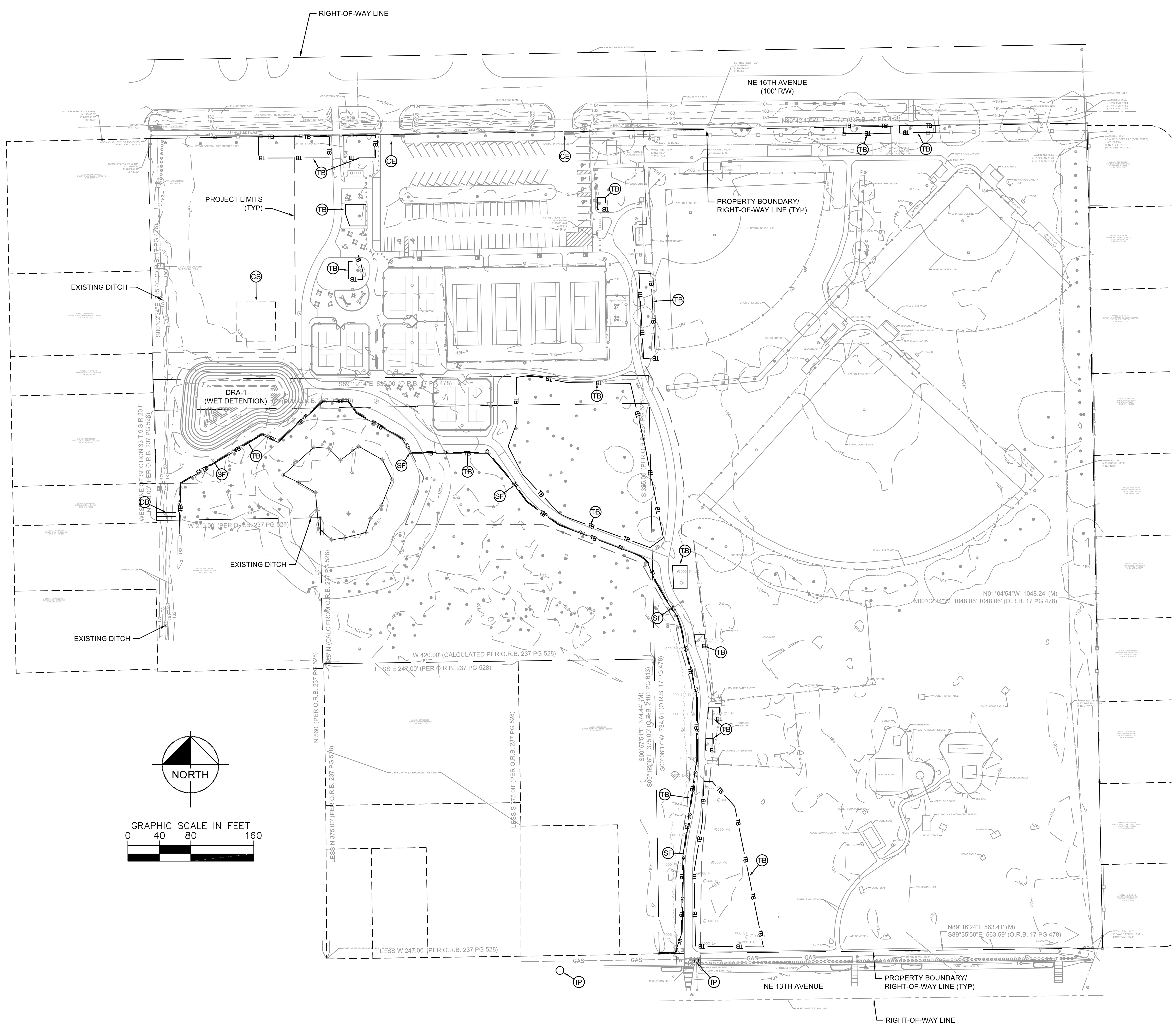
SHEET NUMBER
C2.2



SITE LEGEND SEE SHEET C3.2 FOR DETAILS

- (SF) - SILT FENCE
- (TB) - TREE BARRICADE
- (DB) - DITCH BARRIER
- (IP) - INLET PROTECTION
- (CE) - CONSTRUCTION ENTRANCE
- (CS) - CONSTRUCTION STAGING AREA (LOCATION SUBJECT TO RELOCATION BY CONTRACTOR)

CONTRACTOR NOTES:

1. THE CONTRACTOR SHALL REFER TO SHEETS C2.1 AND C2.2 FOR EXACT LOCATIONS OF ALL PROPOSED STORMWATER POLLUTION PREVENTION MEASURES.

GRU GAS NOTES:

1. CONTRACTOR SHALL LOCATE, PROTECT, AND MAINTAIN 36" MIN. COVER OVER EXISTING GRU GAS MAIN AND GAS SERVICE DURING ALL PHASES OF DEMOLITION/CONSTRUCTION.
2. CONTRACTOR SHALL CONTACT GRU GAS OPERATIONS SUPERVISOR WESLEY LESTER AT (352) 538-2570 SEVEN (7) DAYS PRIOR TO THE START OF DEMOLITION.

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STORMWATER POLLUTION PREVENTION PLAN

TOM PETTY PARK
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CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

SHEET NUMBER
C3.0

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TIMING OF SEDIMENT - CONTROL PRACTICES:

SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL THROUGHOUT EARTH- DISTURBING ACTIVITY.

SETTLING FACILITIES, PERIMETER CONTROLS, AND OTHER PRACTICES INTENDED TO TRAP SEDIMENT SHALL BE IMPLEMENTED AS THE FIRST STEP OF GRADING AND WITHIN SEVEN DAYS FROM THE START OF GRUBBING. THEY SHALL CONTINUE TO FUNCTION UNTIL THE UPSLOPE DEVELOPMENT AREA IS RE-STABILIZED.

STABILIZATION OF NON STRUCTURAL PRACTICES:

CONTROL PRACTICES SHALL PRESERVE EXISTING VEGETATION WHERE ATTAINABLE AND DISTURBED AREAS SHALL BE RE-VEGETATED AS SOON AS PRACTICAL AFTER GRADING OR CONSTRUCTION.

DENUDED AREAS SHALL HAVE SOIL STABILIZATION APPLIED WITHIN FOURTEEN DAYS IF THEY ARE TO REMAIN DORMANT FOR MORE THAN FORTY-FIVE DAYS. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN FOURTEEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE, AND SHALL ALSO BE APPLIED WITHIN SEVEN DAYS TO DENUDED AREAS WHICH MAY NOT BE AT FINAL GRADE, BUT WILL REMAIN DORMANT (UNDISTURBED) FOR LONGER THAN FORTY-FIVE DAYS.

SEDIMENT BARRIERS:

SHEET FLOW RUNOFF FROM DENUDED AREAS SHALL BE INTERCEPTED BY SEDIMENT BARRIERS.

SEDIMENT BARRIERS SUCH AS SEDIMENT FENCE OR DIVERSIONS TO SETTLING FACILITIES SHALL PROTECT ADJACENT PROPERTIES AND WATER RESOURCES FROM SEDIMENT TRANSPORTED BY SHEET FLOW.

INLET PROTECTION:

ALL STORM SEWER INLETS WHICH ACCEPT WATER RUNOFF FROM THE DEVELOPMENT AREA SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER WILL NOT ENTER THE STORM SYSTEM WITHOUT FIRST BEING PONDED AND FILTERED.

MAINTENANCE:

TEMPORARY EROSION CONTROL FEATURES SHALL BE ACCEPTABLY MAINTAINED AND SHALL BE REMOVED OR REPLACED WHEN DIRECTED BY THE ENGINEER AT NO COST TO THE OWNER. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS.

STOCKPILES:

ALL SOIL STOCKPILES SHALL BE PROTECTED FROM EROSION BY PERIMETER CONTROL DEVICES SUCH AS STRAW BALE DIKES OR FILTER FABRIC FENCES. AND THESE PERIMETER CONTROL DEVICES SHALL BE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT.

PERMANENT VEGETATION:

PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL GROUND COVER IS ACHIEVED WHICH, IN THE OPINION OF THE ENGINEER, PROVIDES ADEQUATE COVER AND IS MATURE ENOUGH TO CONTROL SOIL EROSION SATISFACTORILY AND TO SURVIVE ADVERSE WEATHER CONDITIONS.

CONSTRUCTION ACCESS ROUTES:

MEASURES SHALL BE TAKEN TO PREVENT SOIL TRANSPORT ONTO SURFACES OR PUBLIC ROADS WHERE RUNOFF IS NOT CHECKED.

INSPECTION SCHEDULE:

1. DIVERSION SWALE AND STRUCTURAL PROTECTION - INSPECT EVERY 7 DAYS OR AFTER EACH RAINSTORM PRODUCING RUNOFF. REPAIR AS REQUIRED.
2. INLET PROTECTION - INSPECT FOR SEDIMENT ACCUMULATION AFTER EACH RAINFALL AND DAILY DURING CONTINUED RAINFALL. REPAIR OR REPLACE WHEN WATER FLOW IS RESTRICTED BY SEDIMENT.
3. VEGETATIVE PLANTING - INSPECT AFTER SPROUTING OCCURS AND REPLANT BARE AREAS. INSPECT ESTABLISHED COVER EVERY 15 DAYS FOR DAMAGE; REPLANT AS REQUIRED. MAINTAIN ESTABLISHED COVER AT MAXIMUM 6" HEIGHT. IRRIGATE AS REQUIRED DURING DRY PERIODS TO MAINTAIN LIVE VEGETATION.

CONSTRUCTION SEQUENCE:

1. INSTALL SEDIMENT CONTROL MEASURES
2. PERFORM DEMOLITION ACTIVITIES.
3. STABILIZE SITE WITH TEMPORARY VEGETATION AS NEEDED.
4. PERFORM IRRIGATION AND UNDERGROUND UTILITY CONSTRUCTION ACTIVITIES.
5. CONSTRUCT NEW TRAILS AND INSTALL LANDSCAPING.
6. PERFORM FINAL GRADING.
7. INSTALL PERMANENT VEGETATION.
8. PERFORM CONTINUING MAINTENANCE THROUGHOUT ALL CONSTRUCTION OPERATIONS.

NOTE: THE SEQUENCE OF CONSTRUCTION SHOWN ABOVE IS A GENERAL OVERVIEW AND IS INTENDED TO CONVEY THE GENERAL CONCEPTS OF THE EROSION CONTROL DESIGN AND SHOULD NOT BE RELIED UPON FOR CONSTRUCTION PURPOSES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETAILED PHASING AND CONSTRUCTION SEQUENCING NECESSARY TO CONSTRUCT THE PROPOSED IMPROVEMENTS INCLUDED IN THESE PLANS. THE CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING IMMEDIATELY, PRIOR TO AND/OR DURING CONSTRUCTION IF ANY ADDITIONAL INFORMATION ON THE CONSTRUCTION SEQUENCE IS NECESSARY. CONTRACTOR IS SOLELY RESPONSIBLE FOR COMPLYING WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION AND ALL OTHER APPLICABLE LAWS.

DITCH BARRIERS:

BALES SHALL BE PLACED IN A SINGLE ROW, LENGTHWISE, ORIENTED PERPENDICULAR TO THE CONTOUR, WITH ENDS OF ADJACENT BALES TIGHTLY ABUTTING ONE ANOTHER.

THE REMAINING STEPS FOR INSTALLING A STRAW BALE BARRIER FOR SHEET FLOW APPLICATIONS APPLY HERE, WITH THE FOLLOWING ADDITION. THE STRAW BALES SHALL BE INSTALLED SUCH THAT UNDERCUTTING BENEATH THE BALES IS MINIMIZED BY THE USE OF ROCK CHECK DAMS PLACED ADJACENT TO THE STRAW BALES.

THE BARRIER SHALL BE EXTENDED TO SUCH A LENGTH THAT THE BOTTOMS OF THE END BALES ARE HIGHER IN ELEVATION THAN THE TOP OF THE LOWEST MIDDLE BALE TO ASSURE THAT SEDIMENT-LADEN RUNOFF WILL FLOW EITHER THROUGH OR OVER THE BARRIER BUT NOT AROUND IT.

MAINTENANCE:

STRAW BALES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.

CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED BALES, END RUNS AND UNDERCUTTING BENEATH BALES.

NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BALES SHALL BE ACCOMPLISHED PROMPTLY.

SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.

ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE STRAW BALE BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

SEDIMENT FENCE:

THIS SEDIMENT BARRIER UTILIZES STANDARD STRENGTH OR EXTRA STRENGTH SYNTHETIC FILTER FABRICS. IT IS DESIGNED FOR SITUATIONS IN WHICH ONLY SHEET OR OVERLAND FLOWS ARE EXPECTED.

1. THE HEIGHT OF A SEDIMENT FENCE SHALL NOT EXCEED 36-INCHES (HIGHER FENCES MAY IMPOUND VOLUMES OF WATER SUFFICIENT TO CAUSE FAILURE OF THE STRUCTURE).
2. THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP, AND SECURELY SEALED.
3. POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 12 INCHES). WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6 FEET.
4. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES WIDE AND 4 INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER.
5. WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1-INCH LONG, TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2 INCHES AND SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
6. THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 8-INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
7. WHEN EXTRA STRENGTH FILTER FABRIC AND CLOSURE POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS WITH ALL OTHER PROVISIONS OF ITEM NO. 6 APPLYING.
8. THE TRENCH SHALL BE BACKFILLED AND SOIL COMPACTED OVER THE FILTER FABRIC.
9. SEDIMENT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.

MAINTENANCE

SEDIMENT FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

SHOULD THE FABRIC ON A SEDIMENT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER IS STILL NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.

SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-THIRD THE HEIGHT OF THE BARRIER.

ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SEDIMENT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED, AND SEEDED.

ADDITIONAL MEASURES:

THIS PLAN AND NARRATIVE REPRESENTS THE MINIMUM AMOUNT OF EROSION AND SEDIMENT CONTROL MEASURES, IN THE OPINION OF THE ENGINEER, THAT MAY BE NECESSARY UNDER FAVORABLE WEATHER CONDITIONS. THE CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL MEASURES OR PRACTICES THAT MAY BE NECESSARY TO CONTROL EROSION, TURBID DISCHARGE, FUGITIVE PARTICULATES, ETC. TO FULLY COMPLY WITH ALL GOVERNMENTAL RULES AND/OR PERMIT REQUIREMENTS.

EROSION AND SEDIMENT CONTROL NARRATIVE

PLAN DESIGNER:	KIMLEY-HORN AND ASSOCIATES INC. 800 SW 2ND AVENUE, SUITE 100 GAINESVILLE, FLORIDA 32601 PHONE: (352) 374-3274
OWNER/ DEVELOPER:	WILD SPACES & PUBLIC PLACES (CITY OF GAINESVILLE) 306 NE 6TH AVENUE GAINESVILLE, FL 32609
ADJACENT AREAS:	NORTH: NE 16TH AVENUE RIGHT OF WAY SOUTH: SINGLE-FAMILY RESIDENTIAL & NE 13TH AVENUE RIGHT OF WAY EAST: SINGLE-FAMILY RESIDENTIAL WEST: SINGLE-FAMILY RESIDENTIAL & URBAN MIXED USE
EROSION CONTROL MEASURE:	EROSION AND SITE RUNOFF WILL BE CONTROLLED BY THE USE OF SEDIMENT FENCE AND STABILIZED VEGETATION WHERE NEEDED.
SITE CONTACT:	WILD SPACES & PUBLIC PLACES (CITY OF GAINESVILLE) 306 NE 6TH AVENUE GAINESVILLE, FL 32609

POLLUTION PREVENTION:

THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PROGRAM IS REGULATED THROUGH THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP). IF YOUR CONSTRUCTION ACTIVITY MEETS THE FOLLOWING CRITERIA:

1. CONTRIBUTES STORM WATER DISCHARGE TO SURFACE WATERS OF THE STATE OR INTO A MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4); AND/OR
2. DISTURBS ONE OR MORE ACRES OF LAND INCLUDING LESS THAN ONE ACRE IF ACTIVITY IS PART OF A LARGE COMMON PLAN OF DEVELOPMENT OR SALE THAT WILL MEET OR EXCEED A ONE ACRE THRESHOLD. DISTURBANCE INCLUDES CLEARING, GRADING AND EXCAVATING. THEN YOU WILL BE REQUIRED TO SUBMIT A NOTICE OF INTENT (NOI) AND PREPARE A STORM WATER POLLUTION PREVENTION PLAN (SWPPP). FOR MORE INFORMATION PLEASE VISIT FDEP'S WEBSITE AT WWW.DEP.STATE.FL.US/WATER/STORMWATER/NPDES.

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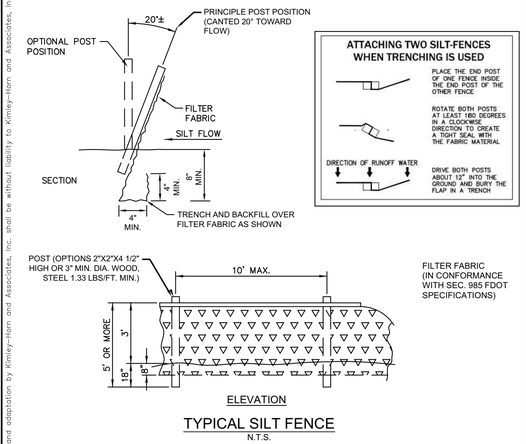
STORMWATER POLLUTION PREVENTION NOTES

TOM PETTY PARK
PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

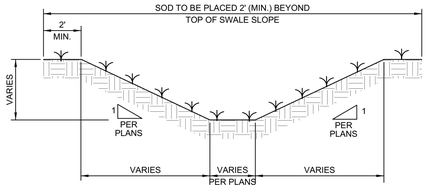
SHEET NUMBER
C3.1



ELEVATION

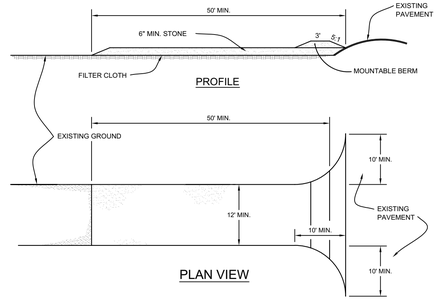
TYPICAL SILT FENCE
N.T.S.

FIGURE 1



TYPICAL SWALE SECTION
N.T.S.

FIGURE 2

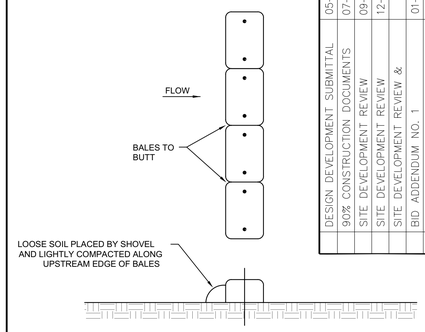


STABILIZED CONSTRUCTION ENTRANCE

1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.

STABILIZED CONSTRUCTION ENTRANCE
N.T.S.

FIGURE 3



TYPICAL DITCH BARRIER
N.T.S.

FIGURE 4

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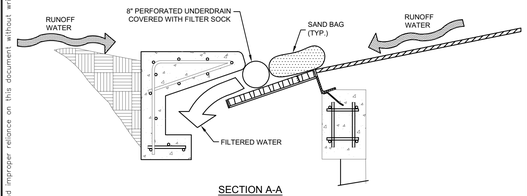
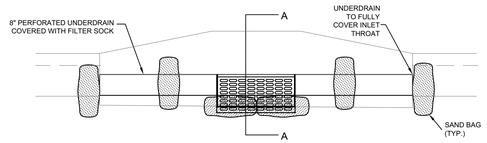
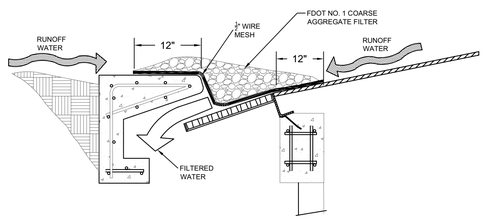


SECTION A-A

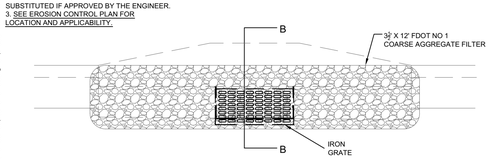


OPTION 1 UNDERDRAIN FILTER



SECTION B-B

NOTES:
1. DIMENSIONS OF SEDIMENT FILTER DETAILS MAY BE ADJUSTED FOR TYPE "9" CURB INLET TOPS.
2. PRE-MANUFACTURED INLET SOCK MAY BE SUBSTITUTED IF APPROVED BY THE ENGINEER.
3. SEE EROSION CONTROL PLAN FOR LOCATION AND APPLICABILITY.



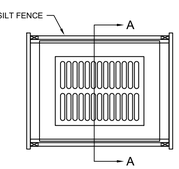
OPTION 2 GRAVEL AND WIRE MESH

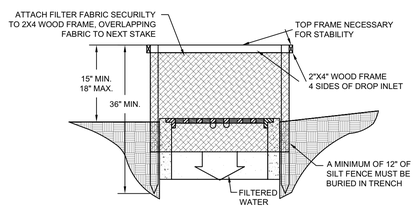
CURB INLET SEDIMENT FILTER DETAIL
N.T.S.

FIGURE 5

NOTES:

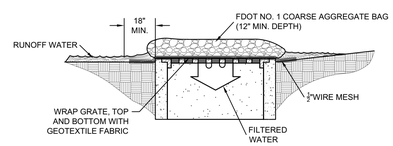
1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL NEARLY LEVEL DRAINAGE AREAS. (LESS THAN 5%).
2. USE 2"X4" WOOD OR EQUIVALENT METAL STAKES (3 FT. MIN. LENGTH).
3. INSTALL 2"X4" WOOD FRAME TO INSURE STABILITY.
4. SEE EROSION CONTROL PLAN FOR LOCATIONS AND APPLICABILITY.





SECTION A-A

OPTION 1 SILT FENCE BARRIER



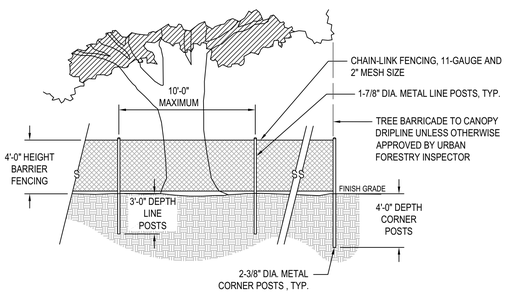
OPTION 2 GRAVEL AND WIRE MESH FILTER

DROP INLET SEDIMENT FILTER DETAIL
N.T.S.

FIGURE 6

NOTE:

1. **UTILIZE THIS DETAIL FOR ALL EXISTING, HIGH QUALITY TREES THAT ARE 20" DBH AND LARGER**. HIGH QUALITY TREES ARE DEFINED BY THE CITY OF GAINESVILLE AS ANY OF THE FOLLOWING: Live Oak (Quercus virginiana), Sand Live Oak (Q. geminata), Bluff Oak (Q. austrina), Basket Oak (Q. michauxii), Southern Red Oak (Q. falcata), Southern Magnolia (Magnolia grandiflora), Florida Maple (Acer barbatum), Longleaf Pine (Pinus palustris), Spruce Pine (P. glabra), Cedar Elm (Ulmus crassifolia), Winged Elm (U. alata), Florida Elm (U. floridana), Bald Cypress (Taxodium distichum), Pond Cypress (T. ascendens), Tupelo (Nyssa sylvatica), Mockernut Hickory (Caiya tomentosa) Pignut Hickory (C. glabra, Pecan (C. illinoensis), Persimmon (Diospyros virginiana), Basswood (Tilia Americana), Tulip Poplar (Liriodendron tulipifera), White Ash (Fraxinus Americana), Green Ash (F. pensylvanica) and Yaupon, Dahoon, and American Holly species (Ilex vomitoria, I, cassine, and I. opaca).
2. DO NOT STORE MATERIALS OR ALLOW ENCROACHMENT OF VEHICLES OR MACHINERY WITHIN TREE BARRIER AREA. NO BUILDING MATERIALS, MACHINERY OR HARMFUL CHEMICALS SHALL BE PLACED WITHIN PROTECTIVE BARRIERS, EXCEPT SHORT-DURATION PLACEMENTS OF CLEAN FILL SOIL THAT WILL NOT HARM THE TREE.
3. NO GRADE CHANGES MAY OCCUR WITHIN TREE BARRIER AREA WITHOUT APPROVAL.
4. LANDSCAPE PREPARATION IN THE PROTECTED AREA SHALL BE LIMITED TO SHALLOW DISCING OF THE AREA. DISCING SHALL BE LIMITED TO A DEPTH OF FOUR INCHES UNLESS SPECIFICALLY APPROVED OTHERWISE.
5. TREE BARRIERS TO REMAIN IN PLACE UNTIL LANDSCAPING OPERATIONS BEGIN. ONCE REMOVED, VEHICLE AND EQUIPMENT TRAFFIC AND STORAGE OF MATERIALS WITHIN AREA SHALL BE MINIMIZED AS MUCH AS POSSIBLE.



TREE PROTECTION: HIGH QUALITY, HERITAGE TREE
N.T.S.

FIGURE 7

NOTE:

1. **UTILIZE THIS DETAIL FOR ALL EXISTING, REGULATED TREES THAT ARE LESS THAN 20" DBH OR ARE NOT A HIGH QUALITY SPECIES** (SEE DETAIL 1 FOR A LIST OF HIGH QUALITY SPECIES).
2. DO NOT STORE MATERIALS OR ALLOW ENCROACHMENT OF VEHICLES OR MACHINERY WITHIN TREE BARRIER AREA. NO BUILDING MATERIALS, MACHINERY OR HARMFUL CHEMICALS SHALL BE PLACED WITHIN PROTECTIVE BARRIERS, EXCEPT SHORT-DURATION PLACEMENTS OF CLEAN FILL SOIL THAT WILL NOT HARM THE TREE.
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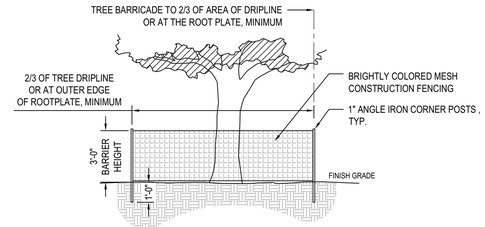

TREE PROTECTION: TYPICAL REGULATED TREE
N.T.S.

FIGURE 8

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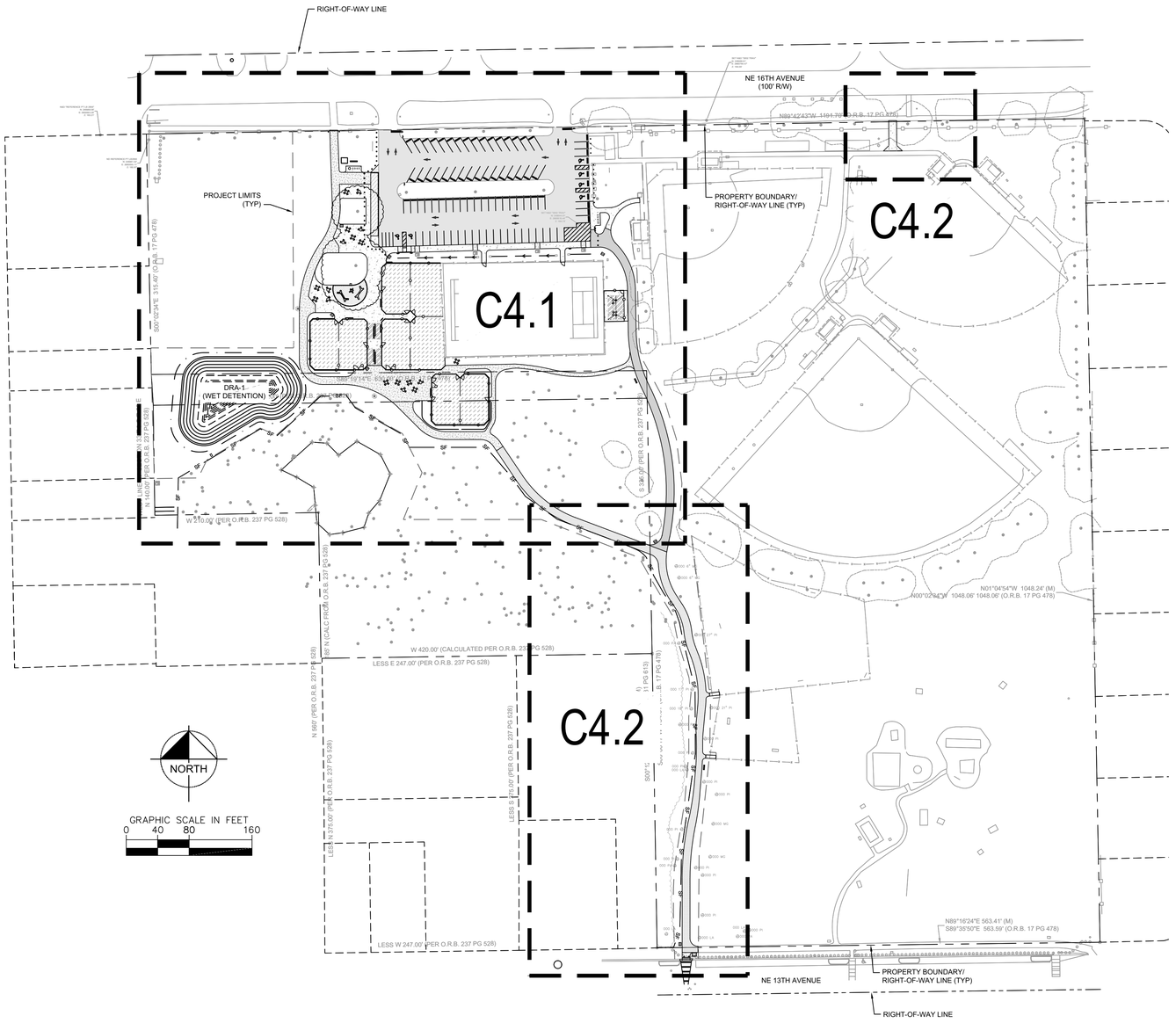
STORMWATER POLLUTION PREVENTION DETAILS

TOM PETTY PARK
PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

SHEET NUMBER
C3.2



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	SITE DEVELOPMENT REVIEW	12-20-24	--
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DATE: 02/13/25
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02/28/25

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OVERALL SITE GEOMETRY AND MARKING PLAN

TOM PETTY PARK
PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

SHEET NUMBER
C4.0

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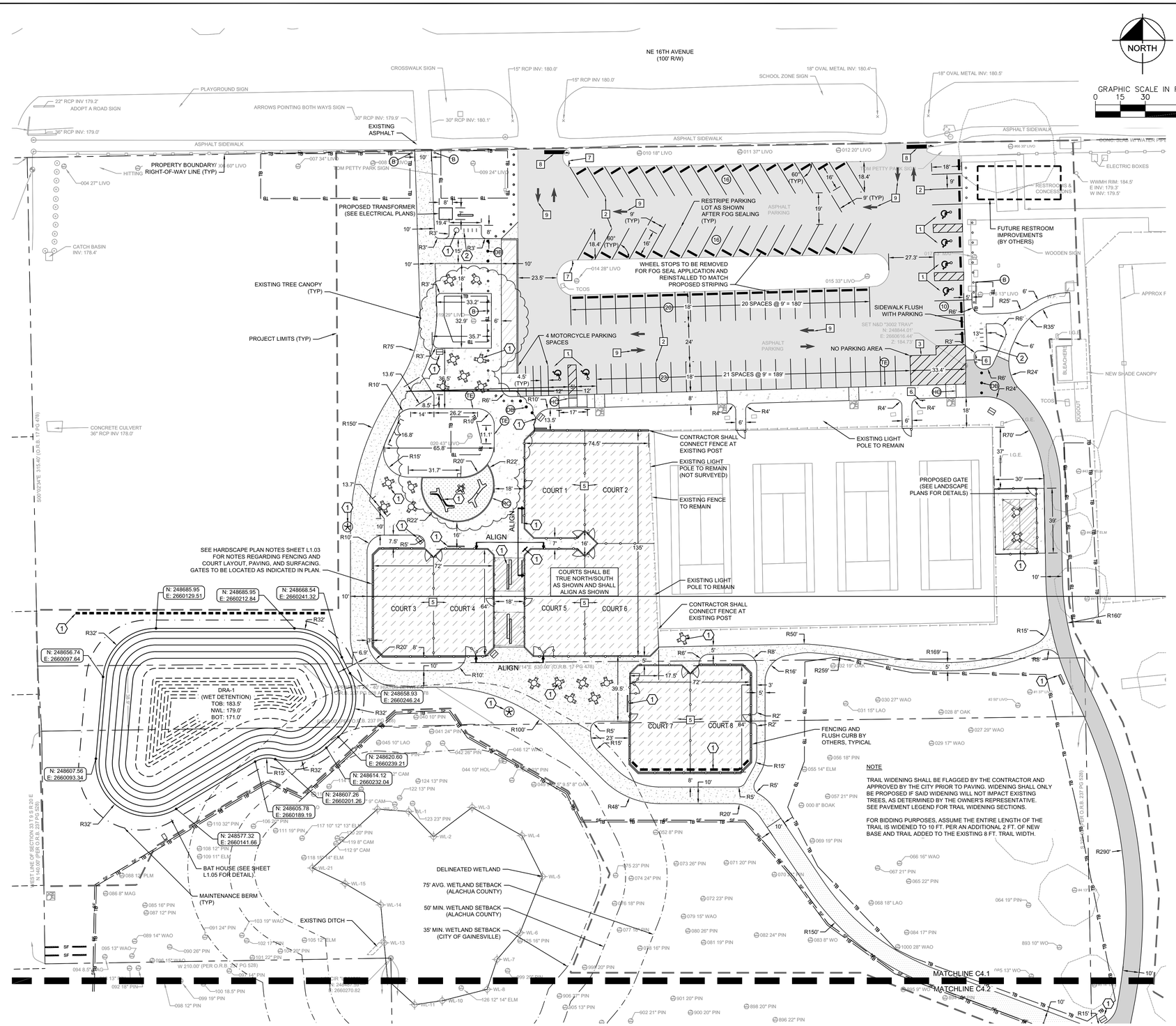

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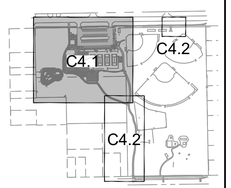

KEY MAP
SCALE: 1" = 500'

PAVEMENT LEGEND

- 6" CONCRETE SIDEWALK (SEE DETAIL SHEET C7.0)
- 4" CONCRETE SIDEWALK (SEE DETAIL SHEET C7.0)
- #57 GRAVEL (SEE DETAIL SHEET C7.0)
- SYNTHETIC TURF (SEE DETAIL SHEET C7.0)
- ASPHALT PAVEMENT (SEE DETAIL SHEET C7.0)
- WIDENED ASPHALT PAVEMENT (SEE DETAIL SHEET C7.0)
- FOG SEALED ASPHALT PAVEMENT
- SHADE STRUCTURE (SEE LANDSCAPE PLANS FOR DETAILS)
- PICKLEBALL COURT (SEE LANDSCAPE PLANS FOR DETAILS)

SITE LEGEND

SEE SHEET C7.0 FOR DETAILS

(#) - PARKING STALLS
(RC) - 6" RIBBON CURB (TYP)
(TE) - THICKENED EDGE SIDEWALK (TYP)
(HC) - ACCESSIBLE CURB RAMP (PER FDOT INDEX NO. 522-002)
(T) - 3' CURB TRANSITION (TYP)
(B) - BOLLARD (TYP) (SEE HARDSCAPE PLANS FOR DETAILS)
(RB) - RETRACTABLE BOLLARD (TYP) (SEE HARDSCAPE PLANS FOR DETAILS)

SIGN AND PAVEMENT MARKING LEGEND

[1] - HANDICAP SPACES PER FLORIDA'S ACCESSIBILITY CODE WITH SIGNS (SEE SHEET C7.0 FOR DETAILS)
[2] - 4" WHITE STRIPE (TYP)
[3] - 4" YELLOW STRIPE (TYP)
[4] - RELOCATED NO MOTOR VEHICLES/DOGS ON LEASH SIGN
[5] - PICKLEBALL COURT STRIPING (SEE LANDSCAPE PLANS FOR DETAILS)
[6] - NO PARKING ALLOWED SIGN
[7] - DO NOT ENTER SIGN (R5-1)
[8] - 36" STOP SIGN (R1-1) AND 24" WHITE STOP BAR, MIN. 4' FROM CROSSWALK
[9] - WHITE DIRECTIONAL ARROW PER FDOT INDEX 711-001
[10] - SPECIAL EMPHASIS CROSSWALK PER FDOT INDEX 711-001

KEYNOTE LEGEND

(1) - SITE FURNISHINGS OR NETTING (SEE HARDSCAPE PLANS FOR DETAILS)
(2) - BIKE RACK (SEE HARDSCAPE PLANS FOR DETAILS)

NOTES:

1. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
2. PRIOR TO CONSTRUCTION WITHIN ANY EXISTING PUBLIC RIGHT-OF-WAY, THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FROM THE AUTHORITY HAVING JURISDICTION.
3. MAXIMUM RUNNING SLOPE ON SIDEWALKS SHALL NOT EXCEED 5.00% (1:20).
4. MAXIMUM CROSS SLOPE ON SIDEWALKS SHALL NOT EXCEED 2.00% (1:50).
5. MAXIMUM SLOPE IN ACCESSIBLE PARKING AREAS SHALL NOT EXCEED 2.00% (1:50) IN ANY DIRECTION.
6. SEE HARDSCAPE PLANS FOR SITE FURNISHING SPECIFICATIONS AND LAYOUT.
7. EXPANSION JOINT LAYOUT TO MATCH EXISTING WALK INTERSECTION TO THE WEST.

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GAINESVILLE FLORIDA

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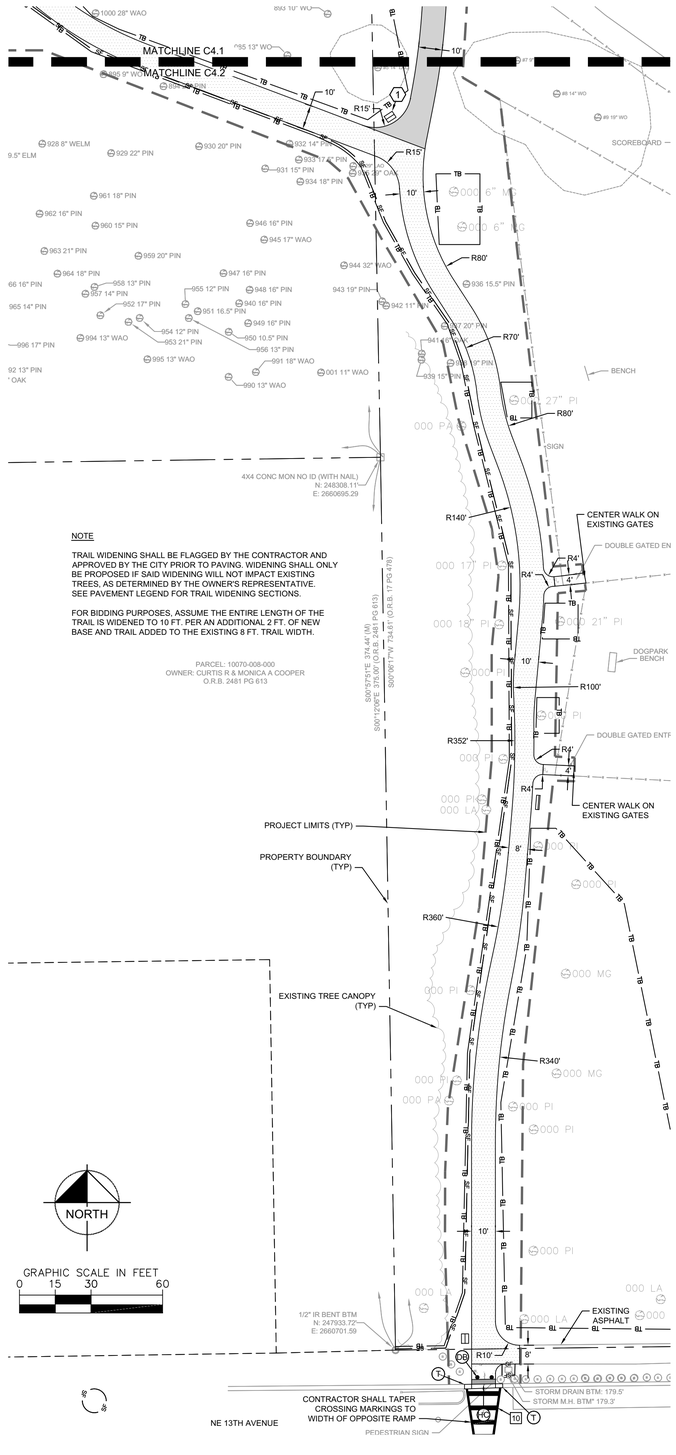
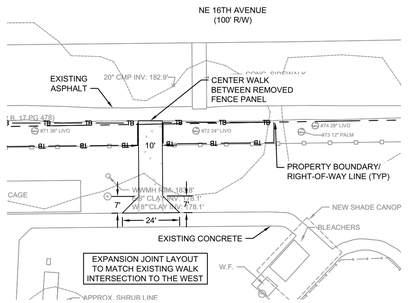


NOTE

TRAIL WIDENING SHALL BE FLAGGED BY THE CONTRACTOR AND APPROVED BY THE CITY PRIOR TO PAVING. WIDENING SHALL ONLY BE PROPOSED IF SAID WIDENING WILL NOT IMPACT EXISTING TREES, AS DETERMINED BY THE OWNER'S REPRESENTATIVE. SEE PAVEMENT LEGEND FOR TRAIL WIDENING SECTIONS.

FOR BIDDING PURPOSES, ASSUME THE ENTIRE LENGTH OF THE TRAIL IS WIDENED TO 10 FT. PER AN ADDITIONAL 2 FT. OF NEW BASE AND TRAIL ADDED TO THE EXISTING 8 FT. TRAIL WIDTH.



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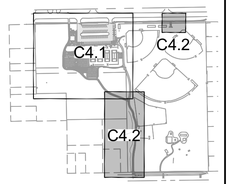

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SITE LEGEND

SEE SHEET C7.0 FOR DETAILS

(#) - PARKING STALLS
(HC) - 6" RIBBON CURB (TYP)
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2 - 4" WHITE STRIPE (TYP)
3 - 4" YELLOW STRIPE (TYP)
4 - RELOCATED NO MOTOR VEHICLES/DOGS ON LEASH SIGN
5 - PICKLEBALL COURT STRIPING (SEE LANDSCAPE PLANS FOR DETAILS)
6 - NO PARKING ALLOWED SIGN
7 - DO NOT ENTER SIGN (R5-1)
8 - 36" STOP SIGN (R1-1) AND 24" WHITE STOP BAR, MIN. 4' FROM CROSSWALK
9 - WHITE DIRECTIONAL ARROW PER FDOT INDEX 711-001
10 - SPECIAL EMPHASIS CROSSWALK PER FDOT INDEX 711-001

KEYNOTE LEGEND

1 - SITE FURNISHINGS OR NETTING (SEE HARDSCAPE PLANS FOR DETAILS)
2 - BIKE RACK (SEE HARDSCAPE PLANS FOR DETAILS)

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02/28/25

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SITE GEOMETRY AND MARKING PLAN

TOM PETTY PARK
PICKLEBALL IMPROVEMENTS
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WILD SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

SHEET NUMBER
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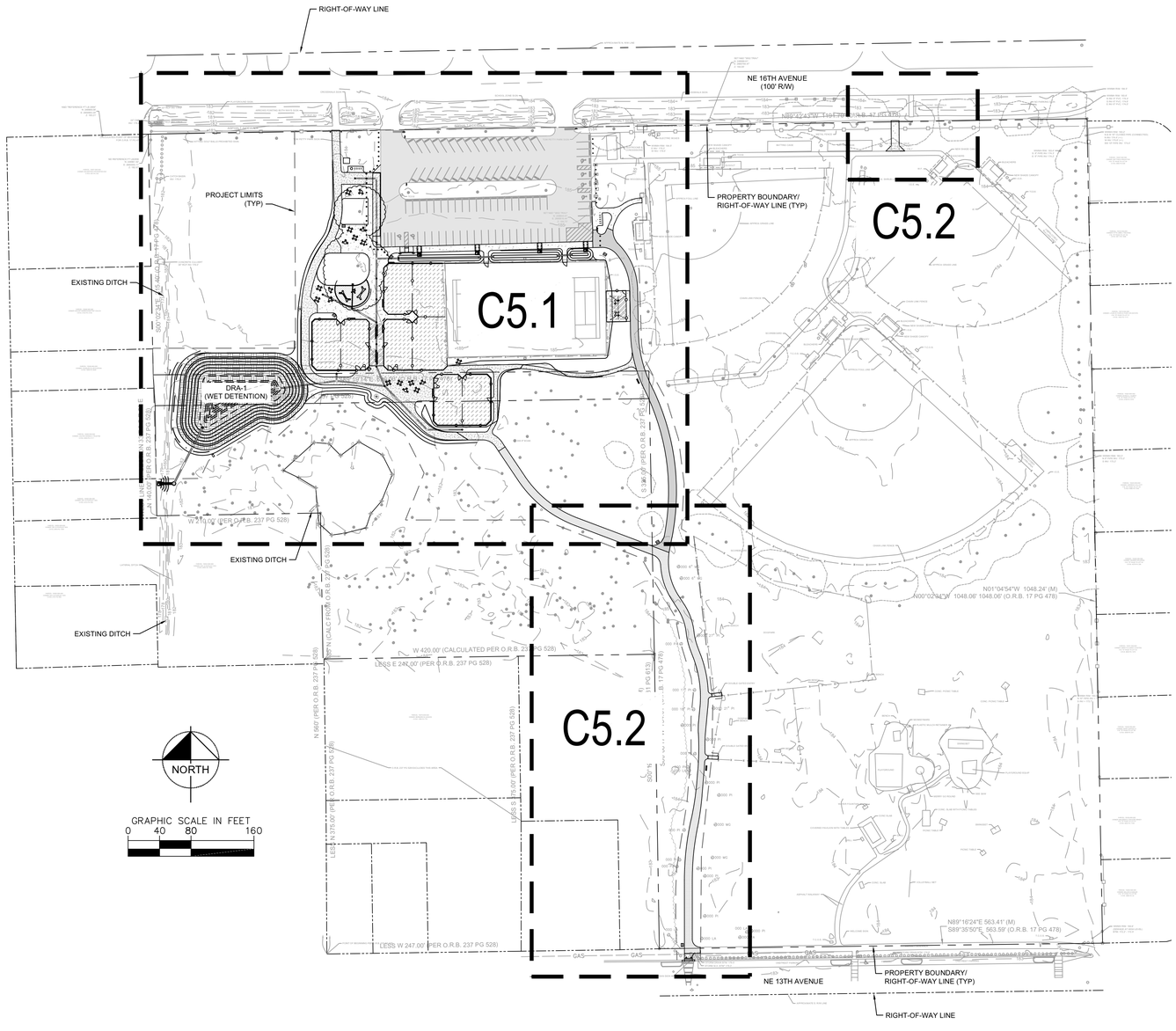

GRU GAS NOTES:

1. CONTRACTOR SHALL LOCATE, PROTECT, AND MAINTAIN 36" MIN. COVER OVER EXISTING GRU GAS MAIN AND GAS SERVICE DURING ALL PHASES OF DEMOLITION/CONSTRUCTION.
2. CONTRACTOR SHALL CONTACT GRU GAS OPERATIONS SUPERVISOR WESLEY LESTER AT (352) 538-2570 SEVEN (7) DAYS PRIOR TO THE START OF DEMOLITION.

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GAINESVILLE FLORIDA

OVERALL PAVING GRADING AND DRAINAGE PLAN

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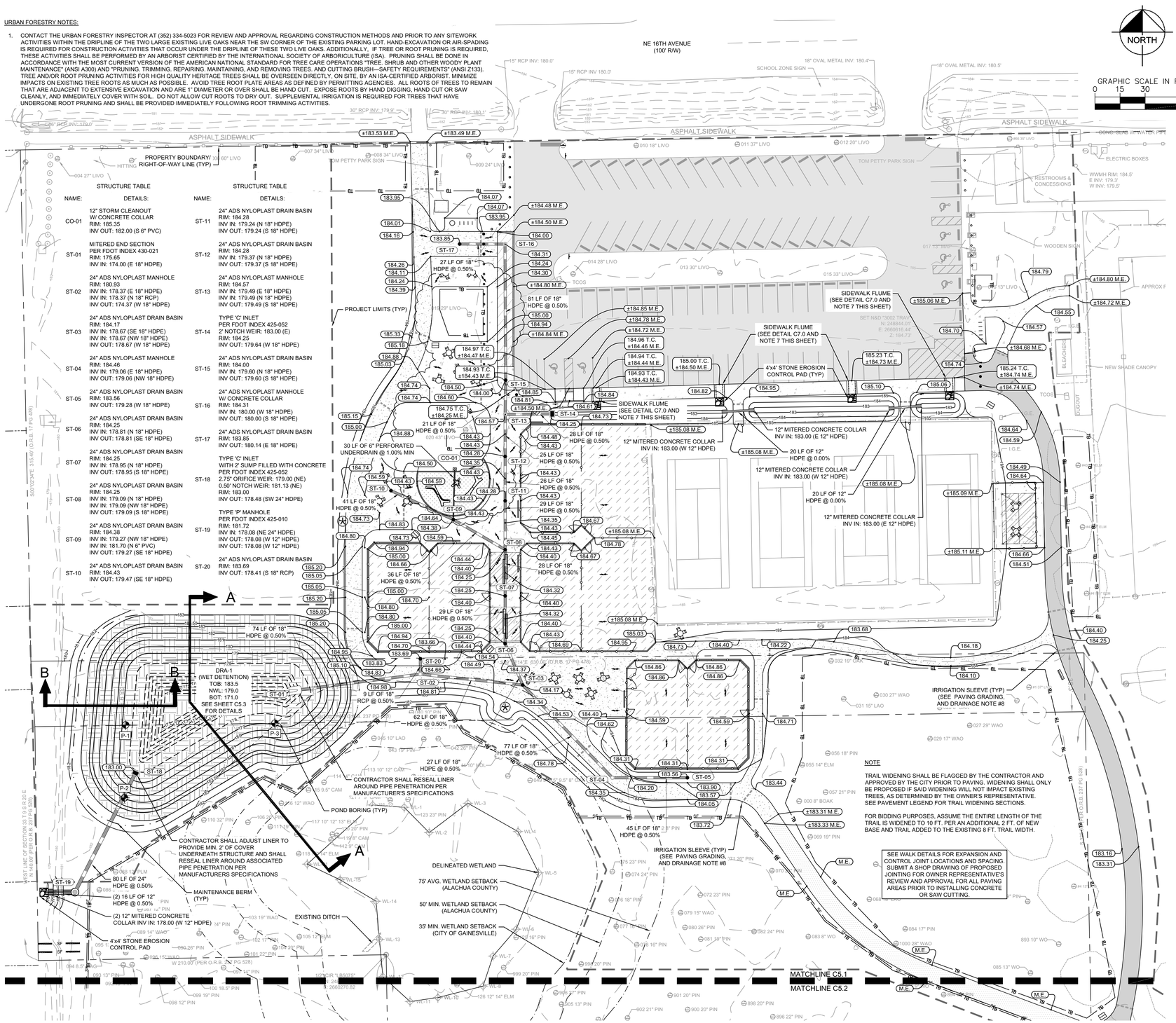
C5.0

URBAN FORESTRY NOTES:

1. CONTACT THE URBAN FORESTRY INSPECTOR AT (352) 334-5023 FOR REVIEW AND APPROVAL REGARDING CONSTRUCTION METHODS AND PRIOR TO ANY SITEWORK ACTIVITIES WITHIN THE DRIPLINE OF THE TWO LARGE EXISTING LIVE OAKS NEAR THE SW CORNER OF THE EXISTING PARKING LOT. HAND-EXCAVATION OR AIR-SPADING IS REQUIRED FOR CONSTRUCTION ACTIVITIES THAT OCCUR UNDER THE DRIPLINE OF THESE TWO LIVE OAKS. ADDITIONALLY, IF TREE OR ROOT PRUNING IS REQUIRED, THESE ACTIVITIES SHALL BE PERFORMED BY AN ARBORIST CERTIFIED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA). PRUNING SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT VERSION OF THE AMERICAN NATIONAL STANDARD FOR TREE CARE OPERATIONS "TREE, SHRUB AND OTHER WOODY PLANT MAINTENANCE" (ANSI A300) AND "PRUNING, TRIMMING, REPAIRING, MAINTAINING, AND REMOVING TREES, AND CUTTING BRUSH—SAFETY REQUIREMENTS" (ANSI Z133). TREE AND/OR ROOT PRUNING ACTIVITIES FOR HIGH QUALITY HERITAGE TREES SHALL BE OVERSEEN DIRECTLY, ON SITE, BY AN ISA-CERTIFIED ARBORIST. MINIMIZE IMPACTS ON EXISTING TREE ROOTS AS MUCH AS POSSIBLE. AVOID TREE ROOT PLATE AREAS AS DEFINED BY PERMITTING AGENCIES. ALL ROOTS OF TREES TO REMAIN THAT ARE ADJACENT TO EXTENSIVE EXCAVATION AND ARE 1" DIAMETER OR OVER SHALL BE HAND CUT. EXPOSE ROOTS BY HAND DIGGING, HAND CUT OR SAW CLEANLY, AND IMMEDIATELY COVER WITH SOIL. DO NOT ALLOW CUT ROOTS TO DRY OUT. SUPPLEMENTAL IRRIGATION IS REQUIRED FOR TREES THAT HAVE UNDERGONE ROOT PRUNING AND SHALL BE PROVIDED IMMEDIATELY FOLLOWING ROOT TRIMMING ACTIVITIES.



STRUCTURE TABLE

NAME:	DETAILS:
CO-01	12" STORM CLEANOUT W/ CONCRETE COLLAR RIM: 185.35 INV OUT: 182.00 (S 6" PVC)
ST-01	MITERED END SECTION PER FDOT INDEX 430-021 RIM: 175.65 INV IN: 174.00 (E 18" HDPE)
ST-02	24" ADS NYLOPLAST MANHOLE RIM: 180.93 INV IN: 178.37 (E 18" HDPE) INV IN: 178.37 (N 18" RCP) INV OUT: 174.37 (W 18" HDPE)
ST-03	24" ADS NYLOPLAST DRAIN BASIN RIM: 184.17 INV IN: 178.67 (SE 18" HDPE) INV IN: 178.67 (NW 18" HDPE) INV OUT: 178.67 (W 18" HDPE)
ST-04	24" ADS NYLOPLAST MANHOLE RIM: 184.46 INV IN: 179.06 (E 18" HDPE) INV OUT: 179.06 (NW 18" HDPE)
ST-05	24" ADS NYLOPLAST DRAIN BASIN W/ 183.96 INV OUT: 179.28 (W 18" HDPE)
ST-06	24" ADS NYLOPLAST DRAIN BASIN RIM: 184.25 INV IN: 178.81 (N 18" HDPE) INV OUT: 178.81 (SE 18" HDPE)
ST-07	24" ADS NYLOPLAST DRAIN BASIN RIM: 184.25 INV IN: 178.95 (N 18" HDPE) INV OUT: 178.95 (S 18" HDPE)
ST-08	24" ADS NYLOPLAST DRAIN BASIN RIM: 184.25 INV IN: 179.09 (N 18" HDPE) INV IN: 179.09 (NW 18" HDPE) INV OUT: 179.09 (S 18" HDPE)
ST-09	24" ADS NYLOPLAST DRAIN BASIN RIM: 184.38 INV IN: 179.27 (NW 18" HDPE) INV IN: 181.70 (N 6" PVC) INV OUT: 179.27 (SE 18" HDPE)
ST-10	24" ADS NYLOPLAST DRAIN BASIN RIM: 184.43 INV OUT: 179.47 (SE 18" HDPE)
ST-11	24" ADS NYLOPLAST DRAIN BASIN RIM: 184.28 INV IN: 179.24 (N 18" HDPE) INV OUT: 179.24 (S 18" HDPE)
ST-12	24" ADS NYLOPLAST DRAIN BASIN RIM: 184.28 INV IN: 179.37 (N 18" HDPE) INV OUT: 179.37 (S 18" HDPE)
ST-13	24" ADS NYLOPLAST MANHOLE RIM: 184.57 INV IN: 179.49 (E 18" HDPE) INV IN: 179.49 (N 18" HDPE) INV OUT: 179.49 (S 18" HDPE)
ST-14	TYPE 'C' INLET PER FDOT INDEX 425-052 2' NOTCH WEIR: 183.00 (E) RIM: 184.25 INV OUT: 179.64 (W 18" HDPE)
ST-15	24" ADS NYLOPLAST DRAIN BASIN RIM: 184.00 INV IN: 179.60 (N 18" HDPE) INV OUT: 179.60 (S 18" HDPE)
ST-16	24" ADS NYLOPLAST MANHOLE W/ CONCRETE COLLAR RIM: 184.31 INV IN: 180.00 (W 18" HDPE) INV OUT: 180.00 (S 18" HDPE)
ST-17	24" ADS NYLOPLAST DRAIN BASIN RIM: 183.85 INV OUT: 180.14 (E 18" HDPE)
ST-18	TYPE 'C' INLET WITH 2' SUMP FILLED WITH CONCRETE PER FDOT INDEX 425-052 2.75" ORIFICE WEIR: 179.00 (NE) 0.50' NOTCH WEIR: 181.13 (NE) RIM: 183.00 INV OUT: 178.48 (SW 24" HDPE)
ST-19	TYPE 'P' MANHOLE PER FDOT INDEX 425-010 RIM: 181.72 INV IN: 178.08 (NE 24" HDPE) INV OUT: 178.08 (W 12" HDPE) INV OUT: 178.08 (W 12" HDPE)
ST-20	24" ADS NYLOPLAST DRAIN BASIN RIM: 183.69 INV OUT: 178.41 (S 18" RCP)

PAVEMENT LEGEND

- 6" CONCRETE SIDEWALK (SEE DETAIL SHEET C7.0)
- 4" CONCRETE SIDEWALK (SEE DETAIL SHEET C7.0)
- #57 GRAVEL (SEE DETAIL SHEET C7.0)
- SYNTHETIC TURF (SEE DETAIL SHEET C7.0)
- ASPHALT PAVEMENT (SEE DETAIL SHEET C7.0)
- WIDENED ASPHALT PAVEMENT (SEE DETAIL SHEET C7.0)
- FOG SEALED ASPHALT PAVEMENT
- SHADE STRUCTURE (SEE LANDSCAPE PLANS FOR DETAILS)
- PICKLEBALL COURT (SEE LANDSCAPE PLANS FOR DETAILS)
- 30 MIL PVC POND LINER (SEE SHEET C5.3 FOR DETAILS)

DRAINAGE LEGEND

- 100.00 - PROPOSED SPOT ELEVATION
- M.E. - PROPOSED SPOT ELEVATION TO MEET EXISTING GROUND
- T.C. - PROPOSED SPOT ELEVATION OF TOP OF CONCRETE
- ST-00 - STORM DRAINAGE STRUCTURE LABEL
- PROPOSED CURB INLET
- PROPOSED DRAINAGE INLET
- PROPOSED STORMWATER MANHOLE
- PROPOSED STORM PIPE
- PROPOSED IRRIGATION SLEEVE (SEE IRRIGATION PLANS FOR EXACT LOCATIONS AND SIZING)
- 80 - EXISTING CONTOURS
- 80 - PROPOSED CONTOURS
- PROPOSED FLOW DIRECTION ARROWS

NOTE

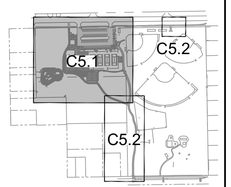
TRAIL WIDENING SHALL BE FLAGGED BY THE CONTRACTOR AND APPROVED BY THE CITY PRIOR TO PAVING. WIDENING SHALL ONLY BE PROPOSED IF SAID WIDENING WILL NOT IMPACT EXISTING TREES, AS DETERMINED BY THE OWNER'S REPRESENTATIVE. SEE PAVEMENT LEGEND FOR TRAIL WIDENING SECTIONS.

FOR BIDDING PURPOSES, ASSUME THE ENTIRE LENGTH OF THE TRAIL IS WIDENED TO 10 FT. PER AN ADDITIONAL 2 FT. OF NEW BASE AND TRAIL ADDED TO THE EXISTING 8 FT. TRAIL WIDTH.

SEE WALK DETAILS FOR EXPANSION AND CONTROL JOINT LOCATIONS AND SPACING. SUBMIT A SHOP DRAWING OF PROPOSED JOINTING FOR OWNER REPRESENTATIVE'S REVIEW AND APPROVAL FOR ALL PAVING AREAS PRIOR TO INSTALLING CONCRETE OR SAW CUTTING.

PAVING, GRADING, AND DRAINAGE NOTES:

1. ALL GRADES ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE INDICATED.
2. ALL SIDEWALK CONSTRUCTION SHALL HAVE A MAXIMUM CROSS SLOPE OF 2.00%.
3. UNLESS SPECIFICALLY NOTED, STORM PIPE MATERIALS SHALL BE A-2000 PVC, HP STORM, RIGID WALL WATER TIGHT HDPE, OR RCP, AND CONFORM WITH THE LATEST EDITION OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
4. ALL FINAL STORM DRAIN MATERIALS SHALL BE APPROVED BY THE ENGINEER OF RECORD AND NOTED ON THE RECORD DRAWINGS.
5. SEE SHEET C5.3 FOR SPECIFIC POND INFORMATION.
6. ALL AREAS DISTURBED BY THE CONSTRUCTION OF THIS PROJECT WHICH ARE NOT OTHERWISE PAVED OR NOTED ON THE PLANS SHALL BE IMMEDIATELY STABILIZED FOLLOWING FINAL GRADING. SEE PLANS FOR NOTATION OF SOD AND SEED & MULCH LOCATIONS. ALLOW FOR THICKNESS OF SOD WITH A 2-INCH UNDERCUT. SOD SHALL BE ARGENTINA BAHIA, AND SHALL BE REGULARLY WATERED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION DURATION.
7. CONTRACTOR SHALL FIELD ADJUST SIDEWALK FLUMES TO LOW SPOTS ALONG NEW EDGE OF SAWCUT ASPHALT AS NEEDED TO FACILITATE POSITIVE DRAINAGE. CONTRACTOR SHALL CONFIRM RELOCATION WITH ENGINEER OF RECORD PRIOR TO CONSTRUCTING.
8. SEE IRRIGATION PLANS FOR EXACT LOCATIONS AND SIZING OF PROPOSED IRRIGATION SLEEVES.



KEY MAP
SCALE: 1" = 500'

No.	REVISIONS	DATE	BY
	DESIGN DEVELOPMENT SUBMITTAL	05-21-24	--
	90% CONSTRUCTION DOCUMENTS	07-02-24	--
	SITE DEVELOPMENT REVIEW	09-06-24	--
	SITE DEVELOPMENT REVIEW	12-20-24	--
	SITE DEVELOPMENT REVIEW & BID ADDENDUM NO. 1	01-21-25	--
	NOT FOR CONSTRUCTION	--	--

GAINESVILLE APPROVED
DATE: 02/13/25
LD24-000087 - Intermediate - Tom Retty Park Pickleball

GAINESVILLE REVIEWED FOR CODE COMPLIANCE
SW25-000012 - SITE WORK - Tom Petty Park (LD24-000087)
02/28/25

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
800 SW 2ND AVENUE, SUITE 100, GAINESVILLE, FL 32601
PHONE: 352-374-3274
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

2025.01.22 17:04:51-05'00'

DAVID C. SOWELL, P.E.
STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 68531
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY DAVID C. SOWELL, P.E. ON THE DATE INDICATED.
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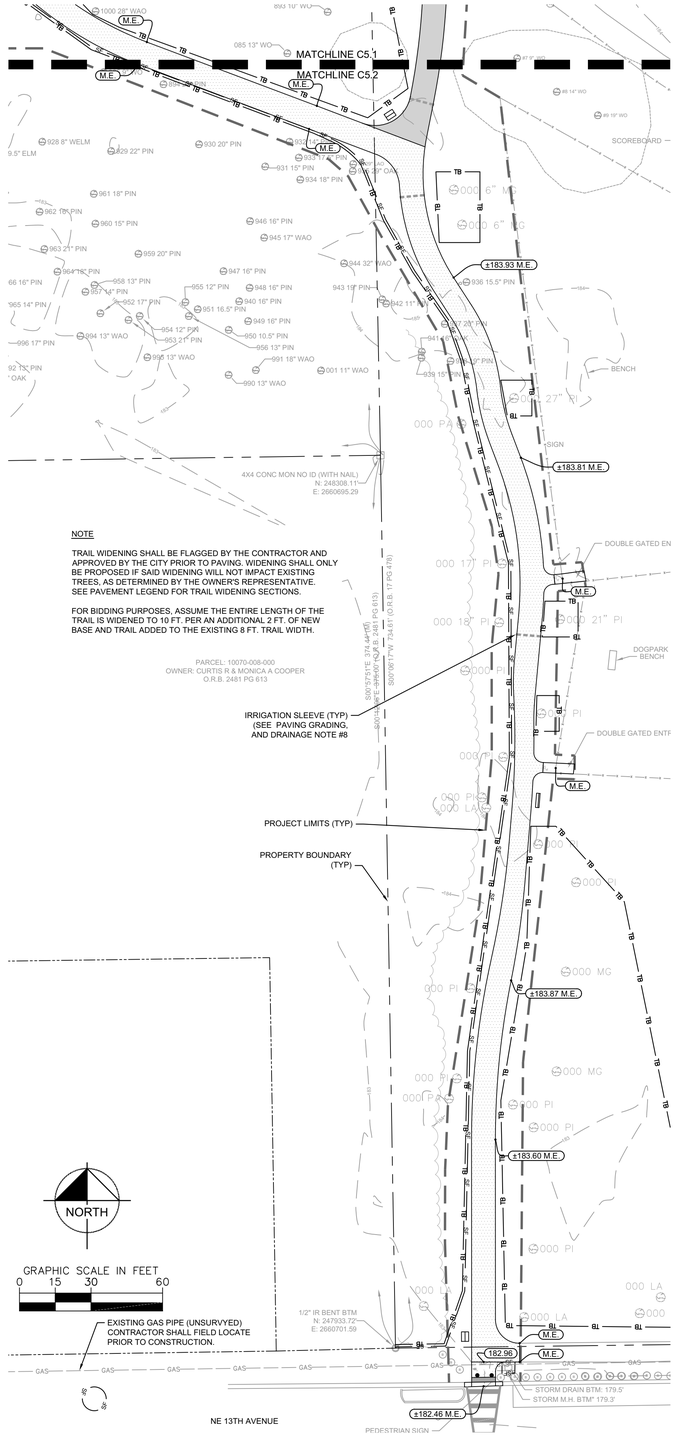
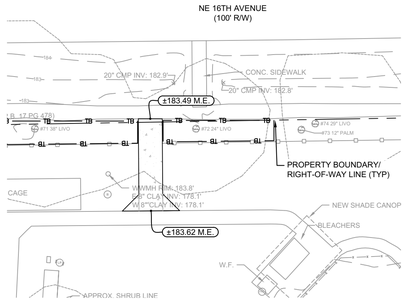
KHA PROJECT	142107025
DATE	JANUARY 2025
SCALE	AS
DESIGNED	
DRAWN	
CHECKED	

TOM PETTY PARK
PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

PAVING GRADING AND DRAINAGE PLAN

SHEET NUMBER
C5.1





KEY MAP
SCALE: 1" = 500'

PAVEMENT LEGEND

- 6" CONCRETE SIDEWALK (SEE DETAIL SHEET C7.0)
- 4" CONCRETE SIDEWALK (SEE DETAIL SHEET C7.0)
- #57 GRAVEL (SEE DETAIL SHEET C7.0)
- SYNTHETIC TURF (SEE DETAIL SHEET C7.0)
- ASPHALT PAVEMENT (SEE DETAIL SHEET C7.0)
- WIDENED ASPHALT PAVEMENT (SEE DETAIL SHEET C7.0)
- FOG SEALED ASPHALT PAVEMENT
- SHADE STRUCTURE (SEE LANDSCAPE PLANS FOR DETAILS)
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DRAINAGE LEGEND

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- PROPOSED STORM PIPE
- PROPOSED IRRIGATION SLEEVE (SEE IRRIGATION PLANS FOR EXACT LOCATIONS AND SIZING)
- 80 - EXISTING CONTOURS
- 80 - PROPOSED CONTOURS
- PROPOSED FLOW DIRECTION ARROWS

GRU GAS NOTES:

1. CONTRACTOR SHALL LOCATE, PROTECT, AND MAINTAIN 36" MIN. COVER OVER EXISTING GRU GAS MAIN AND GAS SERVICE DURING ALL PHASES OF DEMOLITION/CONSTRUCTION.
2. CONTRACTOR SHALL CONTACT GRU GAS OPERATIONS SUPERVISOR WESLEY LESTER AT (352) 538-2570 SEVEN (7) DAYS PRIOR TO THE START OF DEMOLITION.

No.	REVISIONS	DATE	BY
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	90% CONSTRUCTION DOCUMENTS	07-02-24	--
	SITE DEVELOPMENT REVIEW	09-06-24	--
	SITE DEVELOPMENT REVIEW	12-20-24	--
	SITE DEVELOPMENT REVIEW & BID ADDENDUM NO. 1	01-21-25	--
	NOT FOR CONSTRUCTION	--	--

GAINESVILLE APPROVED
DATE: 02/13/25
LD24-000087 - Intermediate - Tom Retty Park Pickleball

Kimley»Horn
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800 SW 2ND AVENUE, SUITE 100, GAINESVILLE, FL 32601
PHONE: 352-374-3274
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

2025.01.22 17:04:52-05'00
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GAINESVILLE REVIEWED FOR CODE COMPLIANCE
SW25-000012 - SITE WORK - Tom Petty Park (LD24-000087)
02/28/25

KHA PROJECT	142107025
DATE	JANUARY 2025
SCALE	AS
DESIGNED	
DRAWN	
CHECKED	

PAVING GRADING AND DRAINAGE PLAN

TOM PETTY PARK
PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

SHEET NUMBER
C5.2

K:\DVL_LA\142107025 — Tom Petty Construction Docs\04-ARCHING FILES\CAD\PlanSheets\C5\C5.0 PAVING, GRADING, AND DRAINAGE PLAN.dwg, Layout:C5.2 PAVING GRADING AND DRAINAGE PLAN Jan 22, 2025 delaney.mcelveen
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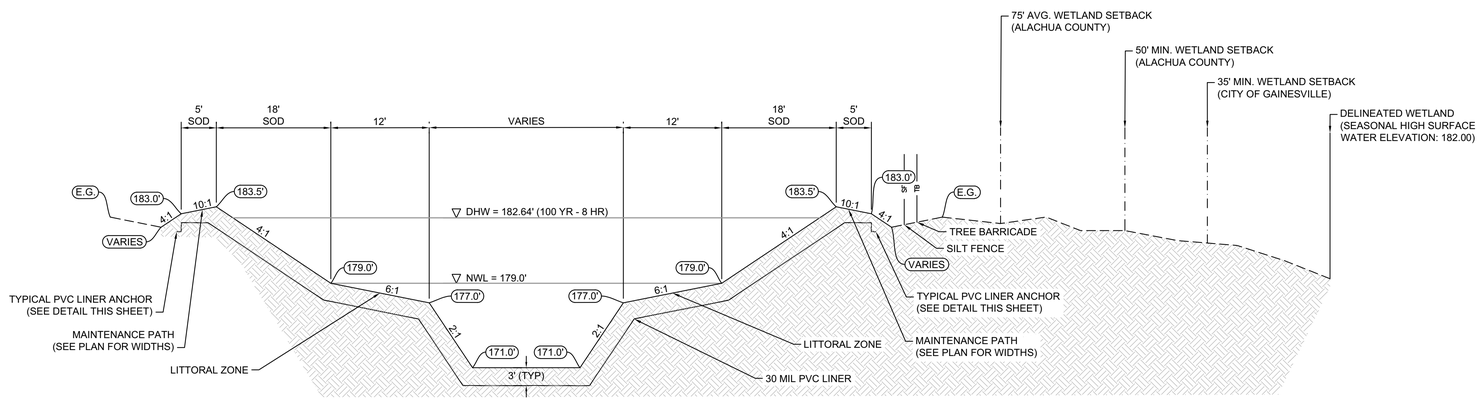
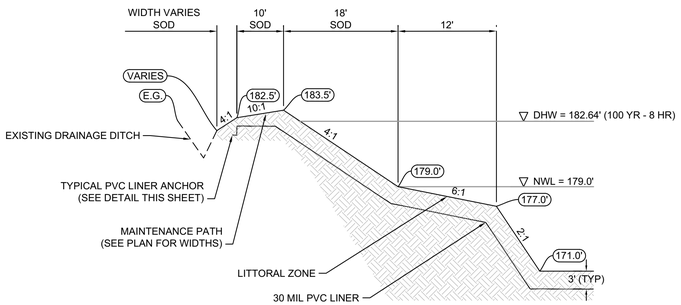


DRA-1(WET DETENTION)

TOB: 183.5
NWL: 179.0
SHGWT: 180.5
SLGWT: 176.0
BOT:171.0

SECTION A-A

NOT TO SCALE

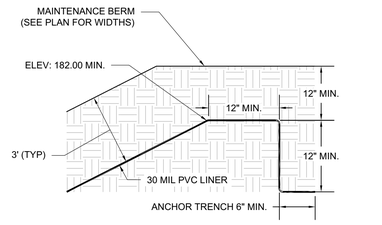


DRA-1(WET DETENTION)

TOB: 183.5
NWL: 179.0
SHGWT: 180.5
SLGWT: 176.0
BOT:171.0

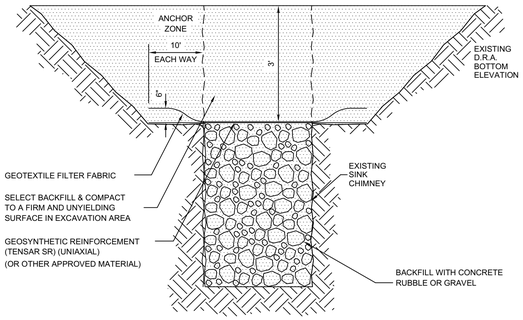
SECTION B-B

NOT TO SCALE



TYPICAL PVC LINER ANCHORING DETAIL

N.T.S.

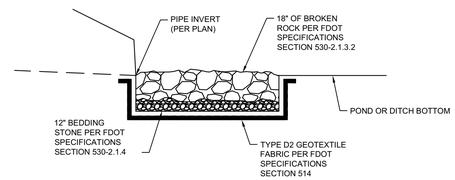


TYPICAL SINK CHIMNEY REPAIR DETAIL

N.T.S.

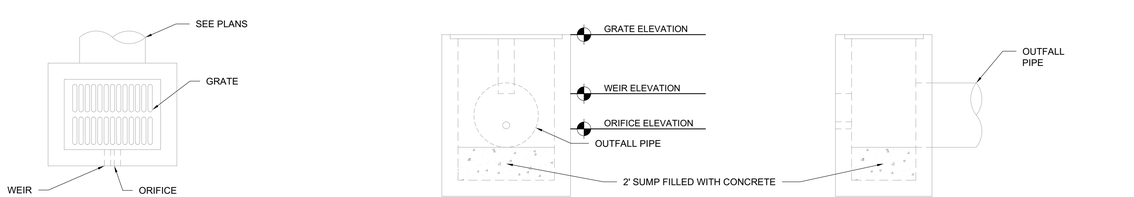
NOTES:

1. IF LIMESTONE IS ENCOUNTERED OR A SINKHOLE OR SOLUTION PIPE FORMS DURING CONSTRUCTION, CONSTRUCTION OF THE BASIN MUST BE HALTED AND THE PROJECT GEOTECHNICAL ENGINEER MUST BE NOTIFIED IMMEDIATELY.
2. THE SINKHOLE OR SOLUTION PIPE MUST BE REPAIRED WITHIN 10 DAYS OF THE DISCOVERY USING A DISTRICT APPROVED METHOD.
3. THE STORMWATER SYSTEM MUST BE INSPECTED MONTHLY FOR THE OCCURRENCE OF SINKHOLES OR SOLUTION PIPES.



RIP-RAP PAD DETAIL

N.T.S.



STRUCTURE #	STRUCTURE TYPE	GRATE ELEV.	WEIR ELEVATION	WEIR WIDTH	WEIR HEIGHT	ORIFICE ELEVATION	ORIFICE DIAMETER	PIPE SIZE	PIPE INV.	SKIMMER TOP ELEVATION	SKIMMER BOT ELEVATION
ST-18	TYPE 'C'	183.00'	181.13'	0.50'	22.50"	179.00'	2.75"	24"	178.38'	183.00'	178.50'

CONTROL STRUCTURE DETAIL

N.T.S.

No.	REVISIONS	DATE	BY
	DESIGN DEVELOPMENT SUBMITTAL	05-21-24	--
	90% CONSTRUCTION DOCUMENTS	07-02-24	--
	SITE DEVELOPMENT REVIEW	09-06-24	--
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	SITE DEVELOPMENT REVIEW & BID ADDENDUM NO. 1	01-21-25	--
	NOT FOR CONSTRUCTION	--	--

GAINESVILLE APPROVED
DATE: 02/13/25
LD24-000087 - Intermediate - Tom Retty Park Pickleball

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PHONE: 352-374-3274
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

2025.01.22 17:04:52-05'00'

DAVID C. SOWELL, P.E.
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GAINESVILLE REVIEWED FOR CODE COMPLIANCE
SW25-000012 - SITE WORK - Tom Petty Park (LD24-000087)
02/28/25

KHA PROJECT	142107025
DATE	JANUARY 2025
SCALE	AS SHOWN
DESIGNED	-
DRAWN	-
CHECKED	-

STORMWATER POND SECTIONS AND DETAILS

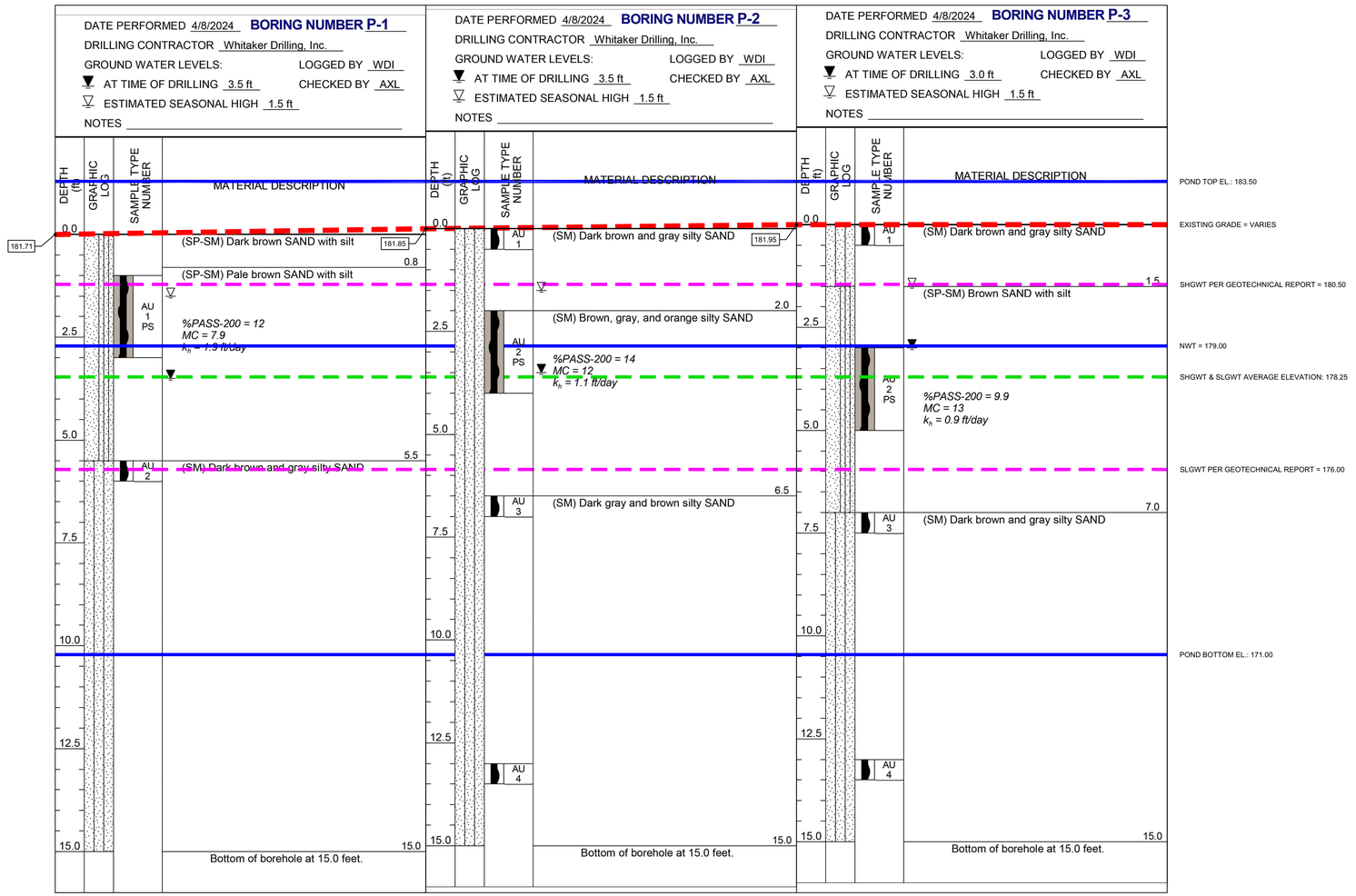
TOM PETTY PARK
PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

SHEET NUMBER
C5.3

DATE PERFORMED 4/8/2024 **BORING NUMBER P-1**
DRILLING CONTRACTOR Whitaker Drilling, Inc.
GROUND WATER LEVELS: LOGGED BY WDI
▼ AT TIME OF DRILLING 3.5 ft CHECKED BY AXL
▽ ESTIMATED SEASONAL HIGH 1.5 ft
NOTES

DATE PERFORMED 4/8/2024 **BORING NUMBER P-2**
DRILLING CONTRACTOR Whitaker Drilling, Inc.
GROUND WATER LEVELS: LOGGED BY WDI
▼ AT TIME OF DRILLING 3.5 ft CHECKED BY AXL
▽ ESTIMATED SEASONAL HIGH 1.5 ft
NOTES

DATE PERFORMED 4/8/2024 **BORING NUMBER P-3**
DRILLING CONTRACTOR Whitaker Drilling, Inc.
GROUND WATER LEVELS: LOGGED BY WDI
▼ AT TIME OF DRILLING 3.0 ft CHECKED BY AXL
▽ ESTIMATED SEASONAL HIGH 1.5 ft
NOTES



No.	REVISIONS	DATE	BY
	DESIGN DEVELOPMENT SUBMITTAL	05-21-24	--
	90% CONSTRUCTION DOCUMENTS	07-02-24	--
	SITE DEVELOPMENT REVIEW	09-06-24	--
	SITE DEVELOPMENT REVIEW	12-20-24	--
	SITE DEVELOPMENT REVIEW & BID ADDENDUM NO. 1	01-21-25	--
	NOT FOR CONSTRUCTION	--	--

GAINESVILLE APPROVED
DATE: 02/13/25
LD24-000087 - Intermediate - Tom Retty Park Pickleball

Kimley»Horn

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PHONE: 352-374-3274
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2025.01.22 17:04:33-05'00'
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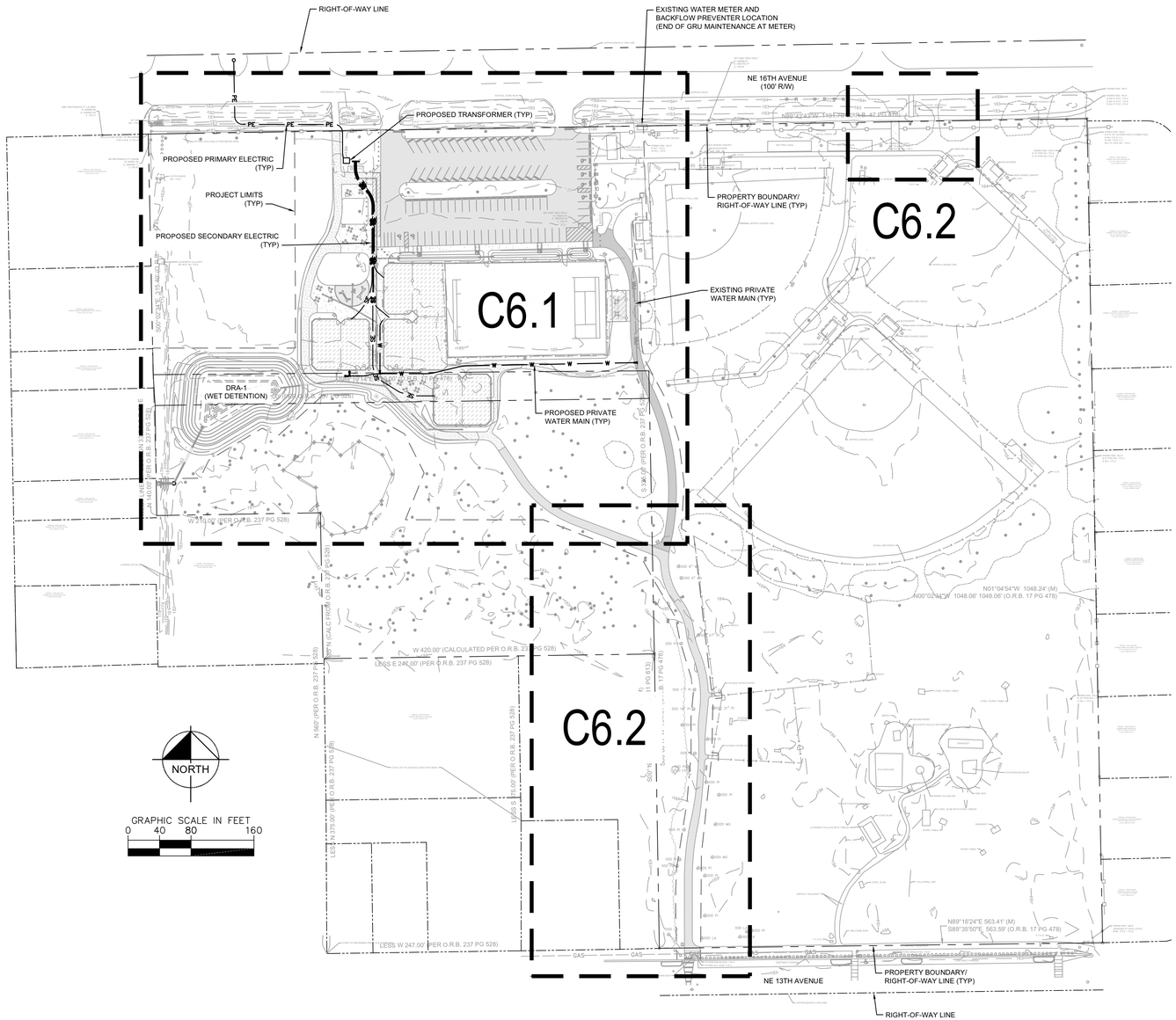
GAINESVILLE REVIEWED FOR CODE COMPLIANCE
SW25-000012 - SITE WORK - Tom Petty Park (LD24-000087)
02/28/25

KHA PROJECT 142107025
DATE JANUARY 2025
SCALE AS
DESIGNED
DRAWN
CHECK

POND BORING SECTIONS

TOM PETTY PARK
PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

SHEET NUMBER
C5.4



GRU GAS NOTES:

1. CONTRACTOR SHALL CONTACT GRU GAS OPERATIONS SUPERVISOR WESLEY LESTER AT (352)-538-2570 AT LEAST SEVEN (7) DAYS PRIOR TO THE START OF DEMOLITION.
2. CONTRACTOR SHALL CONTACT GRU GAS OPERATIONS SUPERVISOR WESLEY LESTER AT (352)-538-2570 AT LEAST SEVEN (7) DAYS PRIOR TO THE START OF CONSTRUCTION.
3. CONTRACTOR SHALL CONTACT GRU GAS OPERATIONS SUPERVISOR WESLEY LESTER AT (352)-538-2570 AT LEAST THREE (3) DAYS PRIOR TO CASING INSTALLATIONS AND METER SETS.
4. CONTRACTOR SHALL LOCATE, PROTECT, AND MAINTAIN A MINIMUM OF 36" INCHES OF COVER OVER EXISTING GRU GAS MAIN AND GAS SERVICES DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
5. CONTRACTOR SHALL MAINTAIN 12" ALL-CLEAR ZONE (HORIZONTAL AND VERTICAL) AROUND GAS MAINS AND SERVICES. MAINTAIN A MINIMUM DEPTH OF 3' FOR THE GAS MAIN AND ASSOCIATED CASINGS.

GRU ELECTRIC NOTES:

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2. ELECTRIC DESIGN PROVIDED BY GRU ENERGY DELIVERY.
3. CONTACT PETE JONES, METERING, (352) 393-1592 WITH METER SOCKET/BYPASS MODEL # TO VERIFY REQUIREMENTS.

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4. POTABLE WATER AND WASTEWATER MAINS SHALL MAINTAIN A MINIMUM 10 FEET HORIZONTAL AND 1.5 FOOT VERTICAL SEPARATION.
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7. 2" VALVES SHALL BE GRU APPROVED CAST IRON, RESILIENT SEAT GATE VALVES WITH STANDARD 2" OPERATING NUT, THREADED WITH BRASS NIPPLE BETWEEN THE VALVES AND TAPPING SADDLE OR TAPPED TEE.
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9. 1" OR 2" PE WATER SERVICE CROSSINGS LOCATED UNDER ROADWAYS SHALL BE ENCASED IN 3" SCH 40 PVC EXTENDING 5' PAST THE BACK OF CURB (3 FEET INSIDE CITY OF GAINESVILLE LIMITS).
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17. WHEN A POTABLE OR RECLAIMED WATER MAIN, OR A WASTEWATER FORCE MAIN IS ROUTED WITHIN 10 FT. OF AN ELECTRIC TRANSFORMER, A 20 FT. LENGTH OF CLDIP SHALL BE CENTERED ON THE TRANSFORMER WITH MECHANICAL RESTRAINT AT EACH END. NO FITTINGS, PIPE JOINTS, OR VALVES SHALL OCCUR WITHIN 10 FT. OF THE NEAREST EDGE OF THE TRANSFORMER. A MINIMUM CLEARANCE OF 3' SHALL BE MAINTAINED BETWEEN THE MAIN AND THE TRANSFORMER.

ELECTRIC DESIGN PROVIDED BY GRU ENERGY DELIVERY

No.	REVISIONS	DATE	BY
	DESIGN DEVELOPMENT SUBMITTAL	05-21-24	--
	90% CONSTRUCTION DOCUMENTS	07-02-24	--
	SITE DEVELOPMENT REVIEW	09-06-24	--
	SITE DEVELOPMENT REVIEW	12-20-24	--
	SITE DEVELOPMENT REVIEW & BID ADDENDUM NO. 1	01-21-25	--
	NOT FOR CONSTRUCTION	--	--

GAINESVILLE APPROVED
DATE: 02/13/25
LD24-000087 - Intermediate - Tom Retty Park Pickleball

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
800 SW 2ND AVENUE, SUITE 100, GAINESVILLE, FL 32601
PHONE: 352-374-3274
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

2025.01.22 17:04:54-05'00'

DAVID C. SOWELL, P.E.
STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 68531
THIS ITEM HAS BEEN DIGITALLY S... AND SEALED BY DAVID C. SO... ON THE DATE INDICATED...
PRINTED COPIES OF THIS... NOT CONSIDERED SIG... AND THE SIGNATURE... ON ANY ELE...

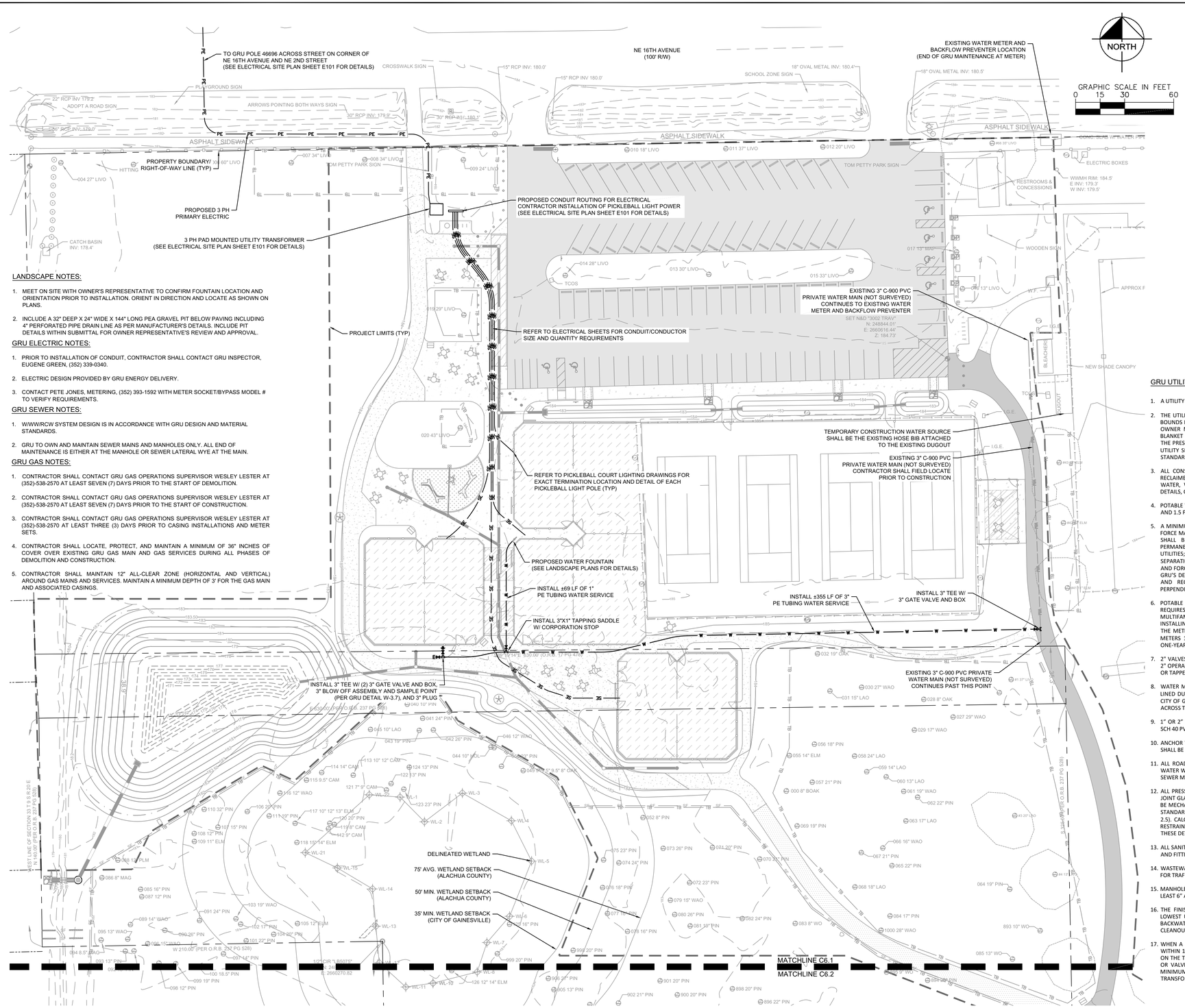
GAINESVILLE REVIEWED FOR CODE COMPLIANCE
SW25-000012 - SITE WORK - Tom Petty Park (LD24-000087)
02/28/25

KHA PROJECT 142107025
DATE JANUARY 2025
SCALE AS
DESIGNED
DRAWN
CHECK

OVERALL UTILITY PLAN

TOM PETTY PARK
PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

SHEET NUMBER
C6.0



LANDSCAPE NOTES:

1. MEET ON SITE WITH OWNER'S REPRESENTATIVE TO CONFIRM FOUNTAIN LOCATION AND ORIENTATION PRIOR TO INSTALLATION. ORIENT IN DIRECTION AND LOCATE AS SHOWN ON PLANS.
2. INCLUDE A 32" DEEP X 24" WIDE X 144" LONG PEA GRAVEL PIT BELOW PAVING INCLUDING 4" PERFORATED PIPE DRAIN LINE AS PER MANUFACTURER'S DETAILS. INCLUDE PIT DETAILS WITHIN SUBMITTAL FOR OWNER REPRESENTATIVE'S REVIEW AND APPROVAL.

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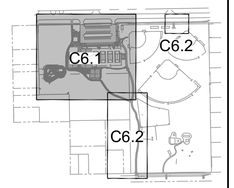
ELECTRIC DESIGN PROVIDED BY GRU ENERGY DELIVERY



KEY MAP
SCALE: 1" = 500'

No.	REVISIONS	DATE	BY
	DESIGN DEVELOPMENT SUBMITTAL	05-21-24	--
	90% CONSTRUCTION DOCUMENTS	07-02-24	--
	SITE DEVELOPMENT REVIEW	09-06-24	--
	SITE DEVELOPMENT REVIEW	12-20-24	--
	SITE DEVELOPMENT REVIEW & BID ADDENDUM NO. 1	01-21-25	--
	NOT FOR CONSTRUCTION	--	--

GAINESVILLE APPROVED
DATE: 02/13/25
LD24-000087 - Intermediate - Tom Retty Park Pickleball

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
800 SW 2ND AVENUE, SUITE 100, GAINESVILLE, FL 32601
PHONE: 352-374-3274
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

2025.01.22 17:04:55-05'00'

DAVID C. SOWELL, P.E.
STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 69331
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY DAVID C. SOWELL, P.E. ON THE DATE INDICATED.
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

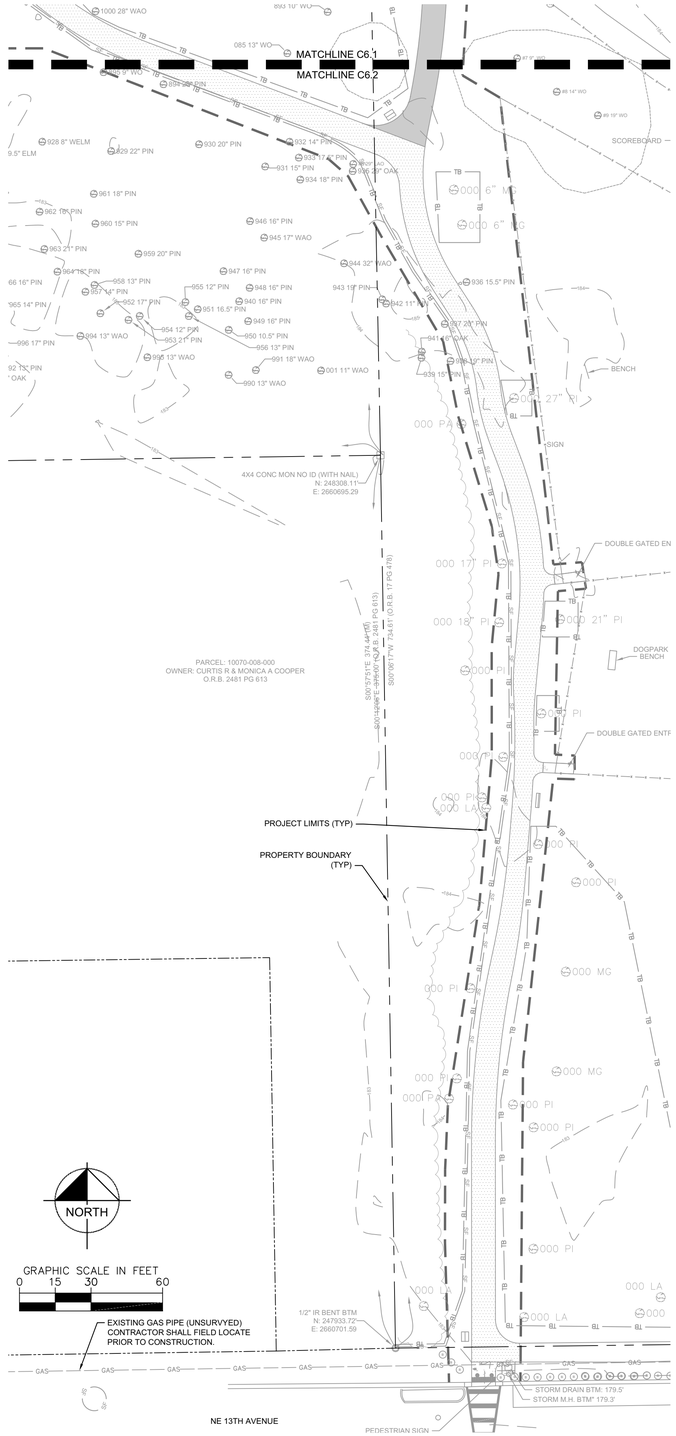
GAINESVILLE REVIEWED FOR CODE COMPLIANCE
SW25-000012 - SITE WORK - Tom Petty Park (LD24-000087)
02/28/25

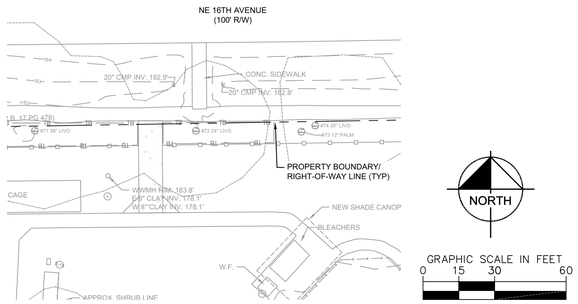
KHA PROJECT	142107025
DATE	JANUARY 2025
SCALE	AS SHOWN
DESIGNED	
DRAWN	
CHECKED	

UTILITY PLAN

TOM PETTY PARK
PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

SHEET NUMBER
C6.1





NO UTILITY IMPROVEMENTS SHOWN ON THIS PLAN SHEET

No.	REVISIONS	DATE	BY
	DESIGN DEVELOPMENT SUBMITTAL	05-21-24	--
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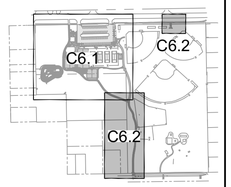

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12. ALL PRESSURIZED MAIN FITTINGS AND VALVE SHALL BE MECHANICAL JOINT WITH RESTRAINED JOINT GLANDS; A SUFFICIENT LENGTH OF THE PUSH-ON PIPE CONNECTED TO THE FITTINGS SHALL BE MECHANICALLY RESTRAINED TO PROVIDE REACTION AS SPECIFIED ON THE RESTRAINED JOINT STANDARD IN THE CONSTRUCTION DETAILS (W – 2.8 & 2.9, RCW – 2.8 & 2.9, AND WW – 2.4 & 2.5). CALCULATIONS FOR REQUIRED RESTRAINT LENGTH MUST BE PROVIDED IF THE SPECIFIED RESTRAINT LENGTH, DUE TO SOIL TYPE OR DEPTH OF COVER, DIFFERS FROM THOSE PROVIDED ON THESE DETAILS. RESTRAINED LENGTH MUST BE INDICATED ON THE PLANS.
13. ALL SANITARY WASTEWATER SERVICE LATERALS SHALL BE MIN. 4" DIAMETER PVC (SDR 26 – PIPE AND FITTINGS) AT 1.00% MIN. SLOPE UNLESS OTHERWISE LABELED.
14. WASTEWATER CLEANOUT COVERS LOCATED WITHIN PAVEMENT AND SIDEWALKS SHALL BE RATED FOR TRAFFIC LOAD BEARING.
15. MANHOLES WHICH ARE NOT INSTALLED UNDER PAVEMENT SHALL HAVE A RIM ELEVATION AT LEAST 6" ABOVE FINISHED GRADE, AND A 10:1 SODDED SLOPE DOWN TO FINISHED GRADE.
16. THE FINISHED FLOOR ELEVATIONS OF BUILDINGS SHALL BE A MINIMUM OF 6" ABOVE THE LOWEST UPSTREAM MANHOLE TOP. IF THIS IS INFEASIBLE, A WASTEWATER SERVICE LATERAL BACKWATER VALVE WITH SEWER RELIEF VALVE IS REQUIRED ON THE CUSTOMER SIDE OF THE CLEANOUT.
17. WHEN A POTABLE OR RECLAIMED WATER MAIN, OR A WASTEWATER FORCE MAIN IS ROUTED WITHIN 10 FT. OF AN ELECTRIC TRANSFORMER, A 20 FT. LENGTH OF CLDIP SHALL BE CENTERED ON THE TRANSFORMER WITH MECHANICAL RESTRAINT AT EACH END. NO FITTINGS, PIPE JOINTS, OR VALVES SHALL OCCUR WITHIN 10 FT. OF THE NEAREST EDGE OF THE TRANSFORMER. A MINIMUM CLEARANCE OF 3' SHALL BE MAINTAINED BETWEEN THE MAIN AND THE TRANSFORMER.

GRU ELECTRIC NOTES:

1. PRIOR TO INSTALLATION OF CONDUIT, CONTRACTOR SHALL CONTACT GRU INSPECTOR, EUGENE GREEN, (352) 339-0340.
2. ELECTRIC DESIGN PROVIDED BY GRU ENERGY DELIVERY.
3. CONTACT PETE JONES, METERING, (352) 393-1592 WITH METER SOCKET/BYPASS MODEL # TO VERIFY REQUIREMENTS.

GRU SEWER NOTES:

1. W/WW/RCW SYSTEM DESIGN IS IN ACCORDANCE WITH GRU DESIGN AND MATERIAL STANDARDS.
2. GRU TO OWN AND MAINTAIN SEWER MAINS AND MANHOLES ONLY. ALL END OF MAINTENANCE IS EITHER AT THE MANHOLE OR SEWER LATERAL WYE AT THE MAIN.

GRU GAS NOTES:

1. CONTRACTOR SHALL CONTACT GRU GAS OPERATIONS SUPERVISOR WESLEY LESTER AT (352)-538-2570 AT LEAST SEVEN (7) DAYS PRIOR TO THE START OF DEMOLITION.
2. CONTRACTOR SHALL CONTACT GRU GAS OPERATIONS SUPERVISOR WESLEY LESTER AT (352)-538-2570 AT LEAST SEVEN (7) DAYS PRIOR TO THE START OF CONSTRUCTION.
3. CONTRACTOR SHALL CONTACT GRU GAS OPERATIONS SUPERVISOR WESLEY LESTER AT (352)-538-2570 AT LEAST THREE (3) DAYS PRIOR TO CASING INSTALLATIONS AND METER SETS.
4. CONTRACTOR SHALL LOCATE, PROTECT, AND MAINTAIN A MINIMUM OF 36" INCHES OF COVER OVER EXISTING GRU GAS MAIN AND GAS SERVICES DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
5. CONTRACTOR SHALL MAINTAIN 12" ALL-CLEAR ZONE (HORIZONTAL AND VERTICAL) AROUND GAS MAINS AND SERVICES. MAINTAIN A MINIMUM DEPTH OF 3' FOR THE GAS MAIN AND ASSOCIATED CASINGS.

ELECTRIC DESIGN PROVIDED BY GRU ENERGY DELIVERY

Kimley»Horn
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800 SW 2ND AVENUE, SUITE 100, GAINESVILLE, FL 32601
PHONE: 352-374-3274
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

2025.01.22 17:04:56-05'00'

DAVID C. SOWELL, P.E.
STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 68531
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GAINESVILLE APPROVED
DATE: 02/13/25
LD24-000087 - Intermediate - Tom Retty Park Pickleball

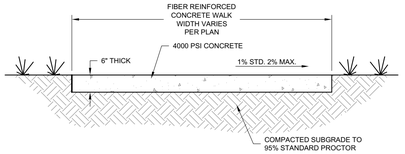
GAINESVILLE REVIEWED FOR CODE COMPLIANCE
SW25-000012 - SITE WORK - Tom Petty Park (LD24-000087)
02/28/25

KHA PROJECT	142107025
DATE	JANUARY 2025
SCALE	AS SHOWN
DESIGNED	
DRAWN	
CHECKED	

UTILITY PLAN

TOM PETTY PARK
PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

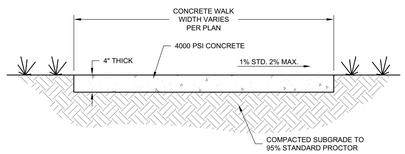
SHEET NUMBER
C6.2



6" SIDEWALK SECTION

NOTE:

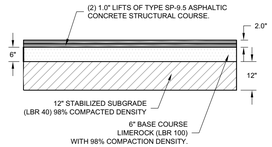
1. SEE SITE PLAN FOR SPECIFIC SIDEWALK LOCATIONS SIDEWALK SHALL BE CONSTRUCTED PER FDOT INDEX NO. 522-001.
2. WALKS TO BE LIGHT BROOM-SWEPT FINISH, DIRECTION PERPENDICULAR TO WALK.
3. CONTROL JOINTS TO BE SAW CUT AND TO DEPTH AS SHOWN.
4. EXPANSION JOINTS AT TO BE ½" FULL DEPTH AND TO BE LOCATED AT INTERFACES WITH EXISTING PAVING, COLUMNS, OR WALLS AND AS SHOWN IN PLANS.
5. WALK DIRECTIONAL SLOPE TO NOT EXCEED 5%. WALK CROSS-SLOPE TO NOT EXCEED 2%.
6. CONTROL JOINTS TO BE SPACED ON CENTER TO MATCH THE WALK WIDTH.
7. EXPANSION JOINTS TO BE NO MORE THAN 30' ON CENTER.
8. JOINTS TO NOT CREATE ACUTE ANGLES AND SHALL INTERSECT WITH PAVING PERIMETERS AT 90 DEGREES, TYPICAL.
9. SUBMIT A SHOP DRAWING OF PROPOSED JOINTING FOR REVIEW AND APPROVAL PRIOR TO CUTTING.



4" SIDEWALK SECTION

NOTE:

1. SEE SITE PLAN FOR SPECIFIC SIDEWALK LOCATIONS SIDEWALK SHALL BE CONSTRUCTED PER FDOT INDEX NO. 522-001.
2. WALKS TO BE LIGHT BROOM-SWEPT FINISH, DIRECTION PERPENDICULAR TO WALK.
3. CONTROL JOINTS TO BE SAW CUT AND TO DEPTH AS SHOWN.
4. EXPANSION JOINTS AT TO BE ½" FULL DEPTH AND TO BE LOCATED AT INTERFACES WITH EXISTING PAVING, COLUMNS, OR WALLS AND AS SHOWN IN PLANS.
5. WALK DIRECTIONAL SLOPE TO NOT EXCEED 5%. WALK CROSS-SLOPE TO NOT EXCEED 2%.
6. CONTROL JOINTS TO BE SPACED ON CENTER TO MATCH THE WALK WIDTH.
7. EXPANSION JOINTS TO BE NO MORE THAN 30' ON CENTER.
8. JOINTS SHALL NOT CREATE ACUTE ANGLES AND SHALL INTERSECT WITH PAVING PERIMETERS AT 90 DEGREES, TYPICAL.
9. SUBMIT A SHOP DRAWING OF PROPOSED JOINTING FOR REVIEW AND APPROVAL PRIOR TO CUTTING.

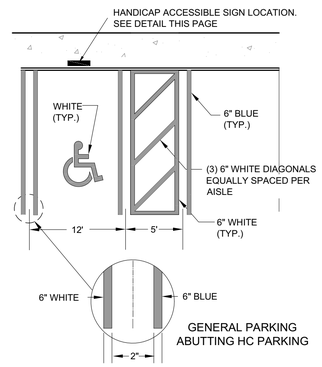


NOTE:

CONTRACTOR SHALL REMOVE ALL UNSUITABLE MATERIAL SUCH AS CLAY AND ROOTS PER AGENCY REQUIREMENTS.

MULTI-USE PATH ASPHALT PAVEMENT SECTION

N.T.S.



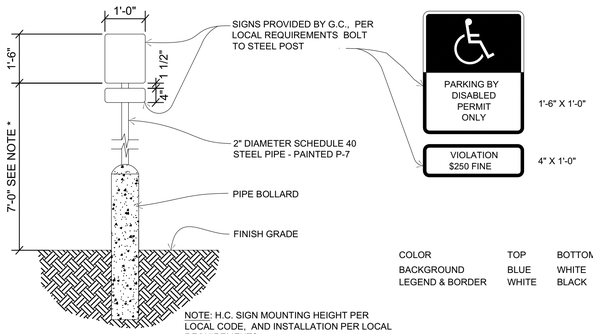
NOTES:

1. WHEN HEADER CURB IS USED IN LIEU OF WHEEL STOPS, SIDEWALK ABUTTING CURB MUST BE WIDENED BY 18" SO THAT THE TOTAL SIDEWALK WIDTH IS 62", ALLOWING FOR 44" MINIMUM CLEAR ACCESSIBLE ROUTE.
2. FOR COMPLETE DETAIL OF HANDICAPPED SIGN, REFER TO HANDICAP SIGN DETAIL.
3. NO RAMPS ARE REQUIRED WHEN SIDEWALK IS FLUSH WITH PAVEMENT. SEE GRADING PLAN.
4. ALL PARKING STRIPES SHALL BE 6" IN WIDTH.
5. SEE F.D.O.T. INDEX 711-001 FOR THE MOST CURRENT DETAIL.
6. MUST COMPLY WITH ADA REQUIREMENTS.

HANDICAP SPACE STRIPING DETAIL

N.T.S.

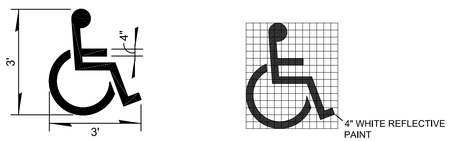
ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL BE LEVEL WITH SURFACE SLOPES NOT EXCEEDING 1:50 (2%) IN ALL DIRECTIONS



NOTE: H.C. SIGN MOUNTING HEIGHT PER LOCAL CODE, AND INSTALLATION PER LOCAL REQUIREMENTS

HANDICAP SIGN DETAIL

N.T.S.



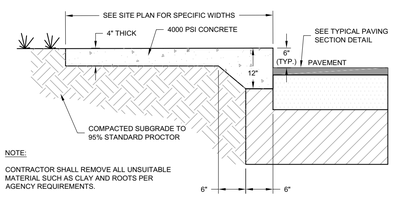
ACCESSIBILITY SYMBOL PAINTED ON PAVEMENT

PROPORTIONING GUIDE

* TO BE WHITE IN COLOR, UNLESS OTHERWISE SPECIFIED.

HANDICAP SYMBOL

N.T.S.



NOTE:

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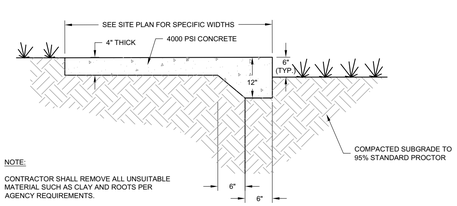
THICKENED EDGE SIDEWALK ADJACENT TO PAVEMENT SECTION

N.T.S.

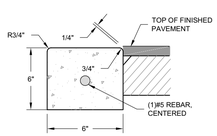


NOTE:

CONTRACTOR SHALL REMOVE ALL UNSUITABLE MATERIAL SUCH AS CLAY AND ROOTS PER AGENCY REQUIREMENTS.

THICKENED EDGE SIDEWALK ADJACENT TO GRADED AREA SECTION

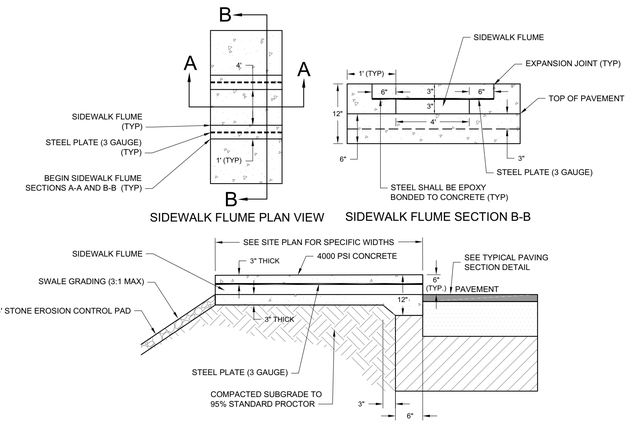
N.T.S.



ALL CONCRETE SHALL BE 3,000 PSI

6" RIBBON CURB

PGKH24A.DWG N.T.S.



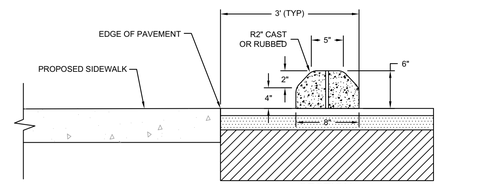
SIDEWALK FLUME SECTION A-A

NOTE:

CONTRACTOR SHALL REMOVE ALL UNSUITABLE MATERIAL SUCH AS CLAY AND ROOTS PER AGENCY REQUIREMENTS.

SIDEWALK FLUME DETAIL

N.T.S.



CONCRETE WHEEL STOP

PGKH10A.DWG N.T.S.

No.	REVISIONS	DATE	BY
	DESIGN DEVELOPMENT SUBMITTAL	05-21-24	--
	90% CONSTRUCTION DOCUMENTS	07-02-24	--
	SITE DEVELOPMENT REVIEW	09-06-24	--
	SITE DEVELOPMENT REVIEW	12-20-24	--
	SITE DEVELOPMENT REVIEW & BID ADDENDUM NO. 1	01-21-25	--
	NOT FOR CONSTRUCTION		

GAINESVILLE APPROVED
DATE: 02/13/25
LD24-000087 - Intermediate - Tom Retty Park Pickleball

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PHONE: 352-374-3274
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

2025.01.22 17:04:56-05'00'

DAVID C. SOWELL, P.E.
STATE OF FLORIDA,
PROFESSIONAL ENGINEER,
LICENSE NO. 68531

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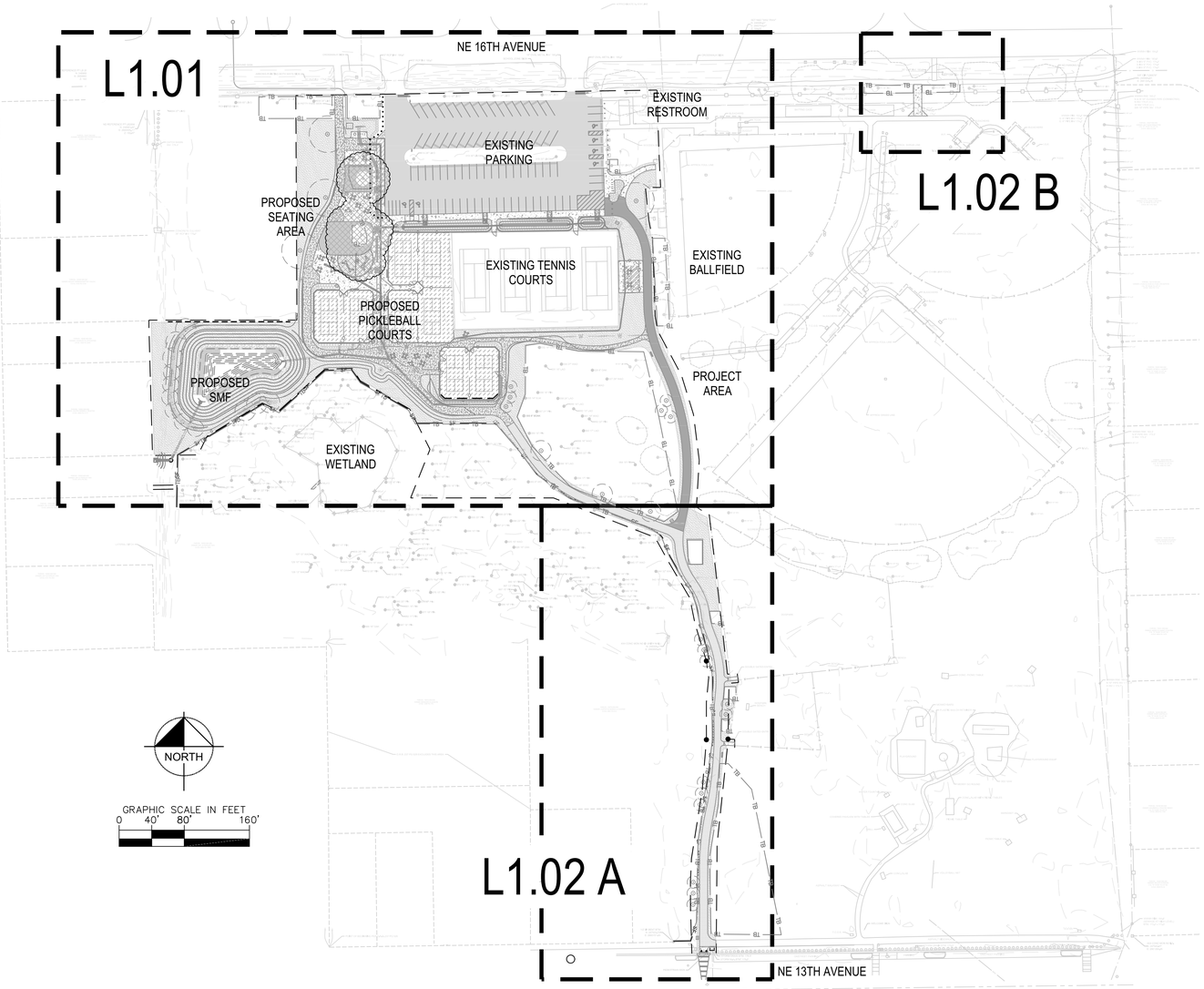
GAINESVILLE REVIEWED FOR CODE COMPLIANCE
SW25-000012 - SITE WORK - Tom Petty Park (LD24-000087)
02/28/25

KHA PROJECT 142107025
DATE JANUARY 2025
SCALE AS...
DESIGNED ...
DRAWN ...
CHECKED ...

CONSTRUCTION DETAILS

TOM PETTY PARK
PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

SHEET NUMBER
C7.0



No.	REVISIONS	DATE	BY
	DESIGN DEVELOPMENT SUBMITTAL	05-21-24	--
	90% CONSTRUCTION DOCUMENTS	07-02-24	--
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	SITE DEVELOPMENT REVIEW & BID ADDENDUM NO. 1	01-22-25	--
	NOT FOR CONSTRUCTION	--	--

GAINESVILLE APPROVED
DATE: 02/13/25
LD24-000087 - Intermediate - Tom Retty Park Pickleball

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PHONE: 352-374-3274
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

REGISTERED LANDSCAPE ARCHITECT ELISABETH ANN [illegible] LA 6666722 STATE OF FLORIDA

GAINESVILLE REVIEWED FOR CODE COMPLIANCE
SW25-000012 - SITE WORK - Tom Petty Park (LD24-000087)
02/28/25

KHA PROJECT	142107025
DATE	JANUARY 2025
SCALE	AS
DESIGNED	
DRAWN	
CHECK	

OVERALL HARDSCAPE PLAN AND NOTES

TOM PETTY PARK
PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

SHEET NUMBER
L1.00

No.	REVISIONS	DATE	BY
	NOT FOR CONSTRUCTION	–	–
	BID ADDENDUM NO. 1	01-22-25	–
	SITE DEVELOPMENT REVIEW	12-20-24	–
	SITE DEVELOPMENT REVIEW	09-06-24	–
	SITE DEVELOPMENT REVIEW	07-02-24	–
	90% CONSTRUCTION DOCUMENTS	05-21-24	–
	DESIGN DEVELOPMENT SUBMITTAL		

NORTH

GRAPHIC SCALE IN FEET
0 15' 30' 60'

PROJECT LIMITS, TYP.

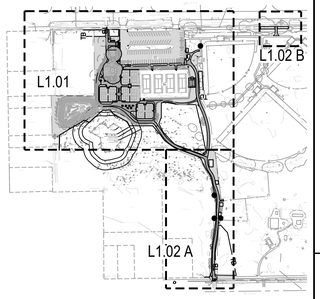
CROSSWALK SIGN
PLAYGROUND SIGN
ADOPT A ROAD SIGN
ARROWS POINTING BOTH WAYS SIGN
SCHOOL ZONE SIGN
HITTING GOLF BALLS PROHIBITED SIGN
TOM PETTY PARK SIGN
TRANSFORMER - SEE ELECTRICAL PLANS
EXISTING RESTROOM
EXISTING DRINKING FOUNTAIN
EXISTING BLEACHER SEATING AT BALLFIELD
EXISTING ASPHALT PARKING
EXISTING TENNIS COURTS
CONCRETE CULVERT 36" RCP INV 179.0'
CATCH BASIN INV: 178.4'
PROPOSED WET DETENTION STORMWATER BASIN 'DRA-1'
SILT FENCE, TYP.
6" THICK WALK - SEE CIVIL DETAILS
PEDESTRIAN GATE, TYP.
EXISTING LIGHT, TYP.
PROJECT LIMITS, TYP.

7 L1.04 FIXED BOLLARD
8 L1.04 RETRACTABLE BOLLARD, (3) TOTAL AND IN LOCATIONS WHERE BOLLARDS ARE SHOWN AS SOLID CIRCLE
11 L1.04 BIKE SERVICE STATION
9 L1.04 DECORATIVE BIKE RACK
6 L1.04 TABLE AND CHAIRS, TYP.
EXISTING TREE CANOPY, TYP.
EXISTING TREE TO REMAIN, TYP.
3 L1.05 LITTER RECEPTACLE
BOLLARD LAYOUT TO BE CONFIRMED IN FIELD PRIOR TO INSTALLATION OF BOLLARDS OR PAVING
5 L1.05 GRAVEL
GRAVEL PARKING - SEE CIVIL PLANS
10 L1.04 STANDARD BIKE RACK, (5) TOTAL
1 L1.03 SURFACING SECTION, SYNTHETIC TURF AT LANDSCAPE
2 L1.03 SURFACING SECTION, SYNTHETIC TURF AT WALK
6 L1.05 TWIG BENCH WITH BACK, (2) TOTAL
LOCATION OF FUTURE PUBLIC ART, TBD
7 L1.05 STARFISH AIR BENCH, (1) TOTAL
8 L1.05 CENTRAL SHADE STRUCTURE (2) TOTAL
1 L1.04 SPORTS NET
PICKLEBALL COURT, TYP. SEE NOTES ON SHEET L1.03 FOR SPECIFICATIONS FOR COURT ELEMENTS.
3 L1.05 LITTER RECEPTACLES
ENTRY SIGN BY OTHERS, TYP.
5 L1.04 BACKLESS TWIG BENCH (2) TOTAL
3 L1.04 PLAYER BENCH (NOT SHOWN ON PLAN), (1) PER COURT FOR A TOTAL OF (8) ON PROJECT, TO BE LOCATED BY NIDY SPORTS AND OWNER'S REPRESENTATIVE
4 L1.04 SYNTHETIC TURF
2 L1.05 DRINKING FOUNTAIN (1) TOTAL
4 L1.04 TRAPECIO BENCH (2) TOTAL
6 L1.04 TABLES AND CHAIRS, TYP.
8 L1.04 RETRACTABLE BOLLARD, (3) TOTAL
ACCESSIBLE PEDESTRIAN GATE
- ADD NEW PEDESTRIAN GATE WITHIN EXISTING FENCING IN GENERAL LOCATION SHOWN, WITH EXACT LOCATION TO BE CONFIRMED IN THE FIELD BY THE OWNER'S REPRESENTATIVE
2 L1.04 TENNIS SHADE STRUCTURE, (1) TOTAL
6 L1.04 TABLES AND CHAIRS, TYP.
3 L1.04 PLAYER BENCH
6" THICK WALK - SEE CIVIL DETAILS
EXISTING TREE TO REMAIN, TYP.
TO BE LOCATED IN THE FIELD PER THE OWNER'S REPRESENTATIVE
9 L1.05 NOISE-REDUCING PANELS
TREE BARRICADE, TYP.
10' ASPHALT TRAIL
V BAT HOUSE
PADDLE RACK, TYP. (4) TOTAL 1 L1.05
WETLAND LINE
35' MIN. WETLAND SETBACK (CITY OF GAINESVILLE)
50' MIN. WETLAND SETBACK (ALACHUA COUNTY)
75' AVERAGE WETLAND SETBACK (ALACHUA COUNTY)
LOCATION OF FUTURE PUBLIC ART, TBD

COURT 1 COURT 2 COURT 3 COURT 4 COURT 5 COURT 6 COURT 7 COURT 8

MATCHLINE L1.01
MATCHLINE L1.02

KEY PLAN



KIMLEY-HORN
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800 SW 2ND AVENUE, SUITE 100, GAINESVILLE, FL 32601
PHONE: 352-374-3274
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT 142107025
DATE JANUARY 2025
SCALE AS SHOWN
DESIGNED
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CHECKED

TOM PETTY PARK PICKLEBALL IMPROVEMENTS

PREPARED FOR
CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES

GAINESVILLE FLORIDA

HARDSCAPE PLAN

SHEET NUMBER
L1.01

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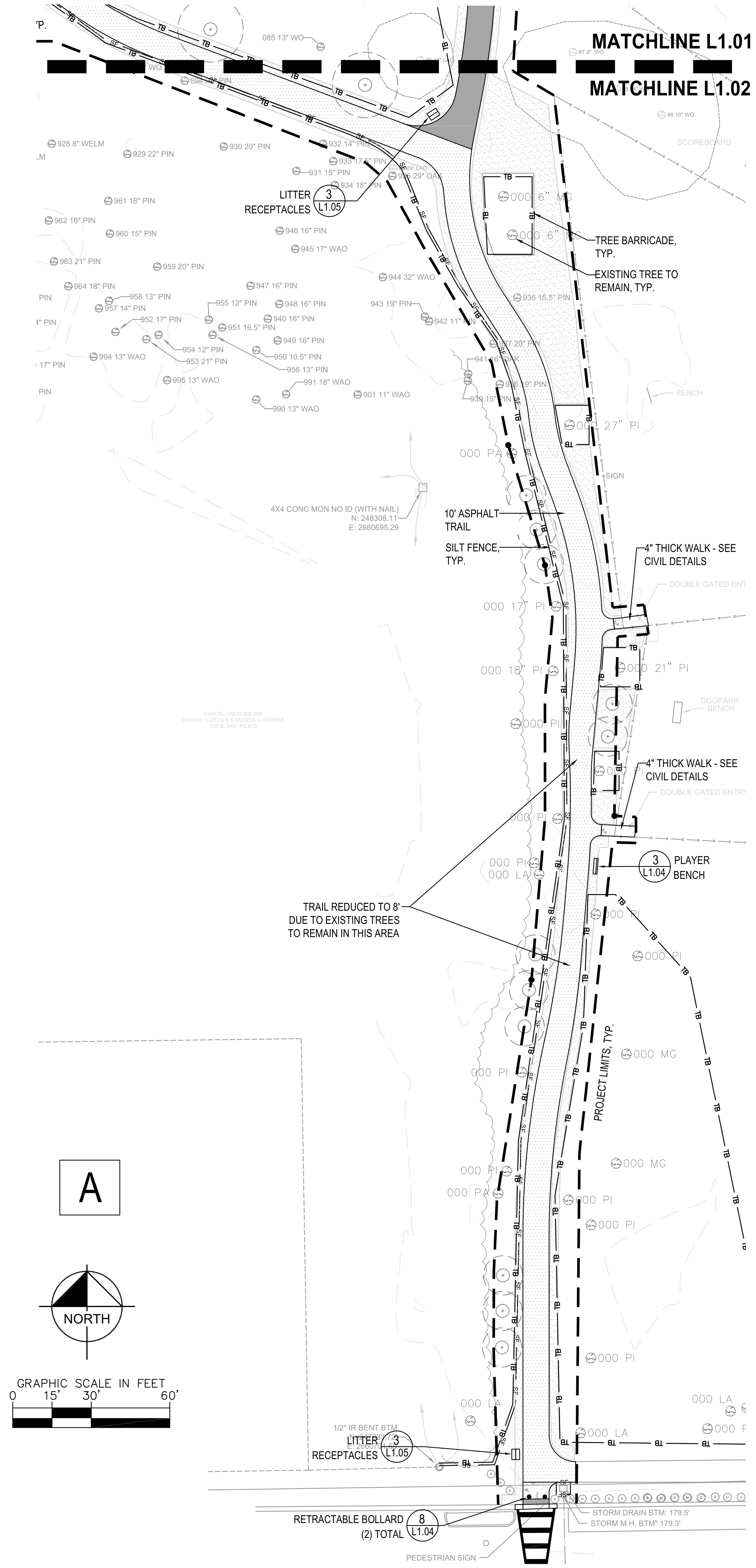
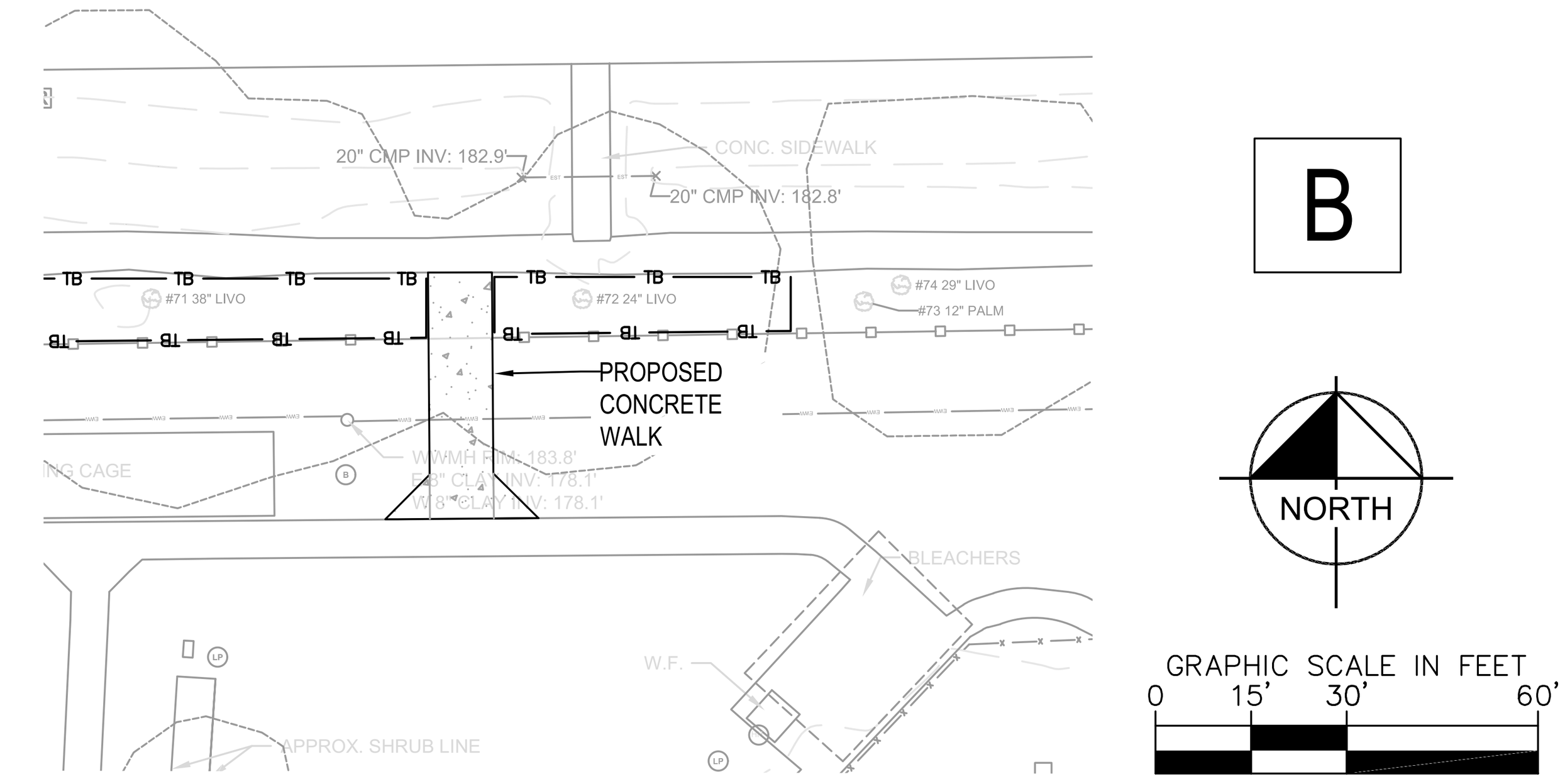
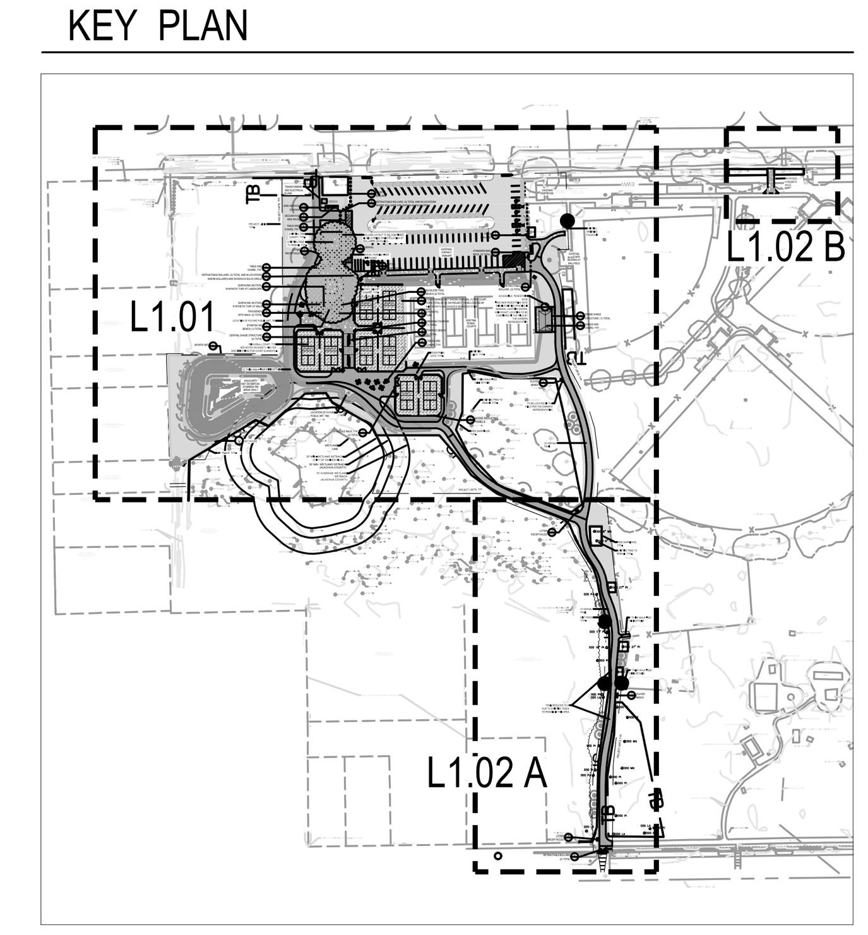
XREFS: ..\Base-142107025 Sheet Index.dwg, ..\Base-142107025 Survey.dwg, ..\Base-142107025 Notes.dwg, ..\Base-142107025 Plans.dwg, ..\Base-142107025 Details.dwg, ..\Base-142107025 Utilities.dwg, 11x34A Pale Layout.dwt





KEY PLAN



No.	REVISIONS	DATE	BY
	DESIGN DEVELOPMENT SUBMITTAL	05-21-24	-
	90% CONSTRUCTION DOCUMENTS	07-02-24	-
	SITE DEVELOPMENT REVIEW	09-06-24	-
	SITE DEVELOPMENT REVIEW	12-20-24	-
	SITE DEVELOPMENT REVIEW &		
	BID ADDENDUM NO. 1	01-22-25	-
	NOT FOR CONSTRUCTION	-	-

Kimley»Horn

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PHONE: 352-374-3274
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GAINESVILLE APPROVED
DATE: 02/13/25
LD24-000087 - Intermediate - Tom Petty Park Pickleball

GAINESVILLE REVIEWED FOR CODE COMPLIANCE
SW25-000012 - SITE WORK - Tom Petty Park (LD24-000087)
02/28/25

REGISTERED LANDSCAPE ARCHITECT CLAIRE ELISABETH M... LA 6666...

DN: CN=Claire E Manley, dnQualifier=A01410C0000018DEB4EB47E00089328, O=KIMLEY-HORN AND ASSOCIATES INC, C=US Date: 2025.01.22 16:05:24-05'00'

KHA PROJECT 142107025
DATE JANUARY 2025
SCALE AS
DESIGNED
DRAWN
CHECKED

HARDSCAPE PLAN

TOM PETTY PARK PICKLEBALL IMPROVEMENTS

PREPARED FOR
CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES

GAINESVILLE FLORIDA

SHEET NUMBER
L1.02

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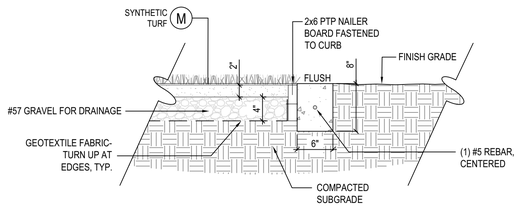
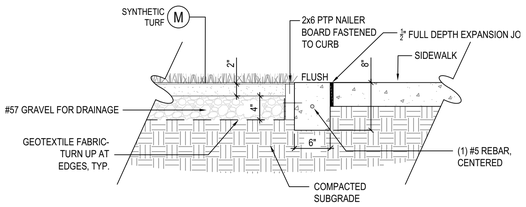
XREFS: xBorder-142107025 kh-address-gvl DrawingData xSurvey-142107025 xBase-142107025 oPipes-142107025 xLandscape-142107025 xUtilities-142107025 115354A Pole LayoutR1

NOTE:
1. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
2. ROLL TURF AROUND NAILER BOARD AT ALL EDGES, TYP.
3. ENSURE AREAS DRAIN WELL BEFORE INSTALLING SURFACING.
4. PTP NAILER BOARD TO BE CONTACT TREATED LUMBER. MOUNT 1/2" - 3/4" BELOW CONCRETE SURFACE. SECURE TO CONCRETE WITH CONCRETE ANCHORS EVERY 24" ON CENTER, MIN.
5. INFILL SYNTHETIC TURF AS PER MANUFACTURER'S SPECIFICATIONS.
6. SECURE SYNTHETIC TURF WITH 1" LONG, 1/4" CROWN GALVANIZED STAPLES LOCATED WITHIN 1" OF CONCRETE AND SPACED 3" ON CENTER, MAX.
7. WASH #89 GRAVEL PRIOR TO PLACEMENT.
8. IN AREAS IN WHICH ROOTS 2" DIA. OR OVER ARE ENCOUNTERED, BRIDGE ROOTS BY REDUCING THE FLUSH CURB DEPTH TO 6" INSTEAD OF 8". CONTACT THE URBAN FORESTRY INSPECTOR AT 352-334-5023 FOR REVIEW AND APPROVAL REGARDING CONSTRUCTION METHODS AND PRIOR TO ANY SITEWORK ACTIVITIES WITHIN THE DRIPLINE OF LARGE EXISTING LIVE OAKS.
9. CONCRETE TO BE 4000 PSI.



1 SURFACING SECTION, SYNTHETIC TURF AT LANDSCAPE
SCALE: N.T.S.

NOTE:
1. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
2. ROLL TURF AROUND NAILER BOARD AT ALL EDGES, TYP.
3. ENSURE AREAS DRAIN WELL BEFORE INSTALLING SURFACING.
4. PTP NAILER BOARD TO BE CONTACT TREATED LUMBER. MOUNT 1/2" - 3/4" BELOW CONCRETE SURFACE. SECURE TO CONCRETE WITH CONCRETE ANCHORS EVERY 24" ON CENTER, MIN.
5. INFILL SYNTHETIC TURF AS PER MANUFACTURER'S SPECIFICATIONS.
6. SECURE SYNTHETIC TURF WITH 1" LONG, 1/4" CROWN GALVANIZED STAPLES LOCATED WITHIN 1" OF CONCRETE AND SPACED 3" ON CENTER, MAX.
7. WASH #89 GRAVEL PRIOR TO PLACEMENT.
8. IN AREAS IN WHICH ROOTS 2" DIA. OR OVER ARE ENCOUNTERED, BRIDGE ROOTS BY REDUCING THE FLUSH CURB DEPTH TO 6" INSTEAD OF 8". CONTACT THE URBAN FORESTRY INSPECTOR AT 352-334-5023 FOR REVIEW AND APPROVAL REGARDING CONSTRUCTION METHODS AND PRIOR TO ANY SITEWORK ACTIVITIES WITHIN THE DRIPLINE OF LARGE EXISTING LIVE OAKS.
9. CONCRETE TO BE 4000 PSI.



2 SURFACING SECTION, SYNTHETIC TURF AT WALK
SCALE: N.T.S.

PICKLEBALL COURT ELEMENT NOTES:

1. COURT FENCING TO BE 10 FT. HIGH CHAIN-LINK, BLACK VINYL COATED AND PER THE FOLLOWING:
   - A. FABRIC: 120" 9 GA. VINYL COATED (2" MESH) CHAIN LINK FABRIC.
   - B. TOP RAIL: 1 5/8" O.D. FULL WEIGHT PIPE, 2.27 LBS. PER FOOT. TOP RAIL 21' IN LENGTH, JOINED WITH 1 5/8" SLEEVE.
   - C. LINE POST: 2 1/2" O.D. FULL WEIGHT PIPE, 3.65 LBS. PER FOOT. LINE POSTS SET 1 O' ON CENTER MAXIMUM SPACING. CONCRETE FOOTING: 12" DIAMETER, 36" DEPTH.
   - D. TERMINAL POST: 3" O.D. FULL WEIGHT PIPE, 5.79 LBS. PER FOOT. CONCRETE FOOTING: 12" DIAMETER, 36" DEPTH.
   - E. BRACING: HORIZONTAL BRACING WITH 1-5/8" O.D. FULL WEIGHT PIPE BETWEEN EVERY POST
   - F. TENSION WIRE: 7 GA. COIL SPRING VINYL TENSION WIRE ATTACHED TO BOTTOM OF FENCE FABRIC WITH 9 GA. ALUMINUM HOG RING SPACED 24" ON CENTER.
   - G. FITTINGS: REGULAR BRACE BAND & CARRIAGE BOLT, PRESSED STEEL RAIL-END, PRESSED STEEL EYE-TOP, PRESSED STEEL CAP, 3/16" X 3/4" TENSION BAR, REGULAR TENSION BAND & CARRIAGE BOLT.
   - H. TIE WIRE: 8 1/4" 9 GA. ALUMINUM TIE WIRE SPACED 15" ON CENTER FOR LINE POSTS & 24" ON CENTER FOR RAILS.
   - I. POST FOOTING: HAND MIXED CONCRETE, 3000 PSI. FOOTINGS TO BE ENGINEERED BY THE FENCE MANUFACTURER. IF REQUIRED FOR CITY BUILDING PERMIT, PROVIDE SIGNED AND SEALED DRAWINGS OF POST FOOTING DETAILS SIGNED AND SEALED BY AN ENGINEER LICENSED IN THE STATE OF FLORIDA. PROVIDE THESE DRAWINGS AT NO ADDITIONAL COST TO THE PROJECT.
   - J. FENCE WINDSCREEN: INCLUDE FENCE WINDSCREEN ON ALL PERIMETER FENCING. USE 6 FT. HEIGHT 100% VINYL COATED POLYESTER MESH, SHADE FACTOR 70-80%, 3-PLY REINFORCED HEMS WITH BRASS GROMMETS EVERY 12". USE STANDARD COLOR AS SELECTED BY OWNER'S REPRESENTATIVE. WINDSCREENS BY PUTTERMAN ATHLETICS, (800) 621-0146, WWW.PUTTERMANATHLETICS.COM, OR APPROVED EQUAL.
   - K. GATES: SEE GATE LOCATIONS AND COUNT PER PLAN. GATES TO BE 4' WIDE FOR PEDESTRIANS ENTRIES AND 12' WIDE DOUBLE SWING GATES FOR MAINTENANCE ENTRIES.
   - L. HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERABLE PARTS ON GATES SHALL COMPLY WITH FBC-A 309.4. OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND, FBA-C 404.2.7.
2. COURT EDGE FLUSH CURB TO BE THE FOLLOWING:
   - A. INSTALL A 12" WIDE x 8" DEEP CONCRETE FLUSH CURB WITH (1) #5 BAR CONTINUOUS AS THE OUTSIDE PERIMETER OF COURTS. CENTER PERIMETER FENCING IN BAND.
   - B. BAND TO MATCH ADJACENT WALK SURFACING IN COLOR AND FINISH.
   - C. INSTALL FULL DEPTH 1/2" EXPANSION JOINT BETWEEN BAND AND ADJACENT PAVING, TYPICAL.
   - D. INSTALL EXPANSION JOINTS EVERY 20 FT. MAXIMUM AND CONTROL JOINTS EVERY 6 FT. MAXIMUM, WITH JOINTS EVENLY SPACED ALONG RUNS AND EXPANSION JOINTS AT ALL CORNERS.
3. COURT PAVING TO BE PER THE FOLLOWING:
   - A. SEE GRADING PLANS FOR PROPOSED GRADES.
   - B. COMPACT SUBGRADE TO 95% STANDARD PROCTOR.
   - C. INSTALL 6" FDOT LIMEROCK BASE, COMPACTED OVER SUBGRADE.
   - D. INSTALL ASPHALT SURFACE COURSE AS 1-1/2" VIRGIN ASPHALT (SP 9.5 VIRGIN MIX, NO RECYCLED MIX).
   - E. INSTALL COURT COATING AS PER BELOW.
4. COURT COATING TO BE PER THE FOLLOWING:
   - A. INSTALL ACRYLIC RESURFACER BLENDED WITH APPROVED SILICA SAND OVER NEW ASPHALT.
   - B. INSTALL CALIFORNIA SPORTS SURFACES PLEXIPAVE 'PLEXI STANDARD' HARDCOURT SURFACE SYSTEM' ATHLETIC SURFACE OR APPROVED EQUAL OVER RESURFACER. SEE WWW.ICPGROUP.COM OR (978) 623-9980.
   - C. INSTALL PER MANUFACTURER'S SPECIFICATIONS. APPLY TWO COATS OF ACRYLIC RESURFACE ARE TWO COATS OF FINISH COLOR.
   - D. NEW ASPHALT TO CURE A MINIMUM OF 14-DAYS PRIOR TO SURFACING.
   - E. USE THREE COURT COLORS, ALL STANDARD COLORS, FOR 1.) PLAYING AREA, 2.) OUT OF BOUNDS, AND 3.) KITCHEN. COLORS TO BE SELECTED BY OWNER'S REPRESENTATIVE.
   - F. LINE PAINT COLOR, WIDTH, AND LAYOUT TO BE PER USA PICKLEBALL NATIONAL STANDARDS.
5. COURT NETS AND POSTS TO BE PER THE FOLLOWING:
   - A. PICKLEBALL NETS AND POST TO BE PUTTERMAN ATHLETICS OR APPROVED EQUAL, WWW.PUTTERMANATHLETICS.COM, (800) 621-0146.
   - B. NETS TO BE 32" NETS, 3.0MM BRAIDED POLYETHLYLE ROPE IN 1-3/4" KNOTTED MESH, WITH INCLUDE HEAD, SIDE, AND BOTTOM BANDS WITH BUILT-IN GROMMETS AND STEEL COATED CABLE
   - C. INCLUDE INTERNAL WIND POST SET, 3" DIAMETER, 54" HEIGHT, POWDER-COATED STEEL POST WITHIN TERNAL BRASS WINDER AND LACING RODS.
   - D. INCLUDE CRANK AND TWO POST CAPS. COLOR TO BE 'BLACK'. NET POST FOOTING TO BE PER MANUFACTURER'S SPECIFICATIONS.
   - E. INSTALL BELOW ASPHALT SURFACING SUCH THAT SURFACING IS TO POST SLEEVE.
6. INCLUDE ONE (1) PLAYER BENCH AT EACH COURT, WITH THE LOCATION OF THE BENCH CONFIRMED BY OWNER IN THE FIELD. SEE DETAIL 3./SHEET L1.04 FOR PLAYER BENCH SPECIFICATION.

No.	REVISIONS	DATE	BY
	DESIGN DEVELOPMENT SUBMITTAL	05-21-24	--
	90% CONSTRUCTION DOCUMENTS	07-02-24	--
	SITE DEVELOPMENT REVIEW	09-06-24	--
	SITE DEVELOPMENT REVIEW	12-20-24	--
	SITE DEVELOPMENT REVIEW & BID ADDENDUM NO. 1	01-22-25	--
	NOT FOR CONSTRUCTION	--	--

GAINESVILLE APPROVED
DATE: 02/13/25
LD24-000087 - Intermediate - Tom Retty Park Pickleball

Kimley»Horn
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800 SW 2ND AVENUE, SUITE 100, GAINESVILLE, FL 32601
PHONE: 352-374-3274
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

REGISTERED LANDSCAPE ARCHITECT CLAIRE ELISABETH MARTIN LA 6666722 STATE OF FLORIDA

DN: C=US, E=claire.martin@kimley-horn.com, O=KIMLEY-HORN AND ASSOCIATES INC., CN=Claire E. Martin
Date: 2025.01.31 16:54:14 -05'00'

GAINESVILLE REVIEWED FOR CODE COMPLIANCE
SW25-000012 - SITE WORK - Tom Petty Park (LD24-000087)
02/28/25

KHA PROJECT 142107025
DATE JANUARY 2025
SCALE AS
DESIGNED
DRAWN
CHECKED

HARDSCAPE DETAILS

TOM PETTY PARK
PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

SHEET NUMBER
L1.03

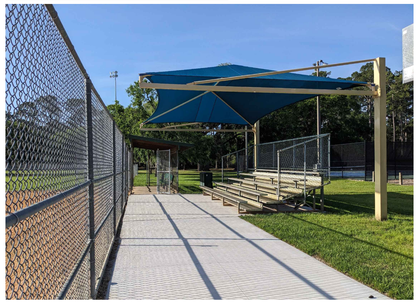
NOTE: INCLUDE SIGNED AND SEALED STRUCTURAL PLANS FOR POSTS, SUPPORT WIRING IF APPLICABLE, AND FOOTINGS. TO BE SIGNED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF FLORIDA.

A SPORTS NET

1 SPORTS NET
SCALE: N.T.S.

NOTE: INCLUDE SIGNED AND SEALED STRUCTURAL PLANS FOR STRUCTURE AND FOOTINGS.TO BE SIGNED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF FLORIDA.

B TENNIS SHADE STRUCTURE



2 TENNIS SHADE STRUCTURE
SCALE: N.T.S.

NOTE: FOOTING DESIGN TO BE PROVIDED BY MANUFACTURER.

D PLAYER BENCH

3 PLAYER BENCH
SCALE: N.T.S.

NOTE: FOOTING DESIGN TO BE PROVIDED BY MANUFACTURER.

S TRAPECIO BENCH

4 TRAPECIO BENCH
SCALE: N.T.S.

No.	REVISIONS	DATE	BY
	DESIGN DEVELOPMENT SUBMITTAL	05-21-24	--
	90% CONSTRUCTION DOCUMENTS	07-02-24	--
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	SITE DEVELOPMENT REVIEW & BID ADDENDUM NO. 1	01-22-25	--
	NOT FOR CONSTRUCTION	--	--

GAINESVILLE APPROVED
DATE: 02/13/25
LD24-000087 - Intermediate - Tom Retty Park Pickleball

Q BACKLESS TWIG BENCH

5 BACKLESS TWIG BENCH
SCALE: N.T.S.

NOTE:

UMBRELLAS NOT INCLUDED IN THIS PROJECT. INCLUDE ONLY TABLES WITH ATTACHED CHAIRS. LOCATE WITH OWNER'S REPRESENTATIVE AND SURFACE MOUNT PER MANUFACTURER'S SPECIFICATIONS. DO NOT INCLUDE UMBRELLA HOLES IN TABLES.

E TABLE WITH 3-CHAIRS

F TABLE WITH 4-CHAIRS

6 TABLE AND CHAIRS
SCALE: N.T.S.

NOTE:

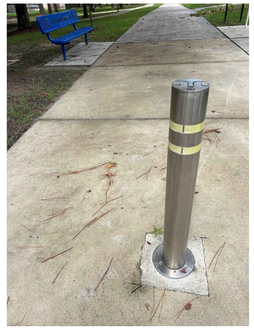
- AUGER AREA TO MINIMUM 12" DIAMETER HOLE FOR 4" BOLLARD OR MINIMUM 18" DIAMETER HOLE FOR 6" BOLLARD.
- REMOVE SOIL AND PLACE 3000 PSI READY MIX CONCRETE AT BOTTOM TO PROVIDE LEVEL AND SUITABLE BASE-MAINTAINING MINIMUM DEPTH OF 2'.
- PLACE BOLLARD AND ENSURE IT IS LEVEL AND PLUMB (SHOULD BE 36" ABOVE GRADE).
- PLACE 3000 PSI READY MIX CONCRETE FROM BOTTOM OF EXCAVATION AND AROUND BOLLARD TO GRADE LEVEL.
- PLACE 3000 PSI READY MIX CONCRETE INSIDE BOLLARD, FULL LENGTH AND LEVEL WITH TOP OF BOLLARD IF USING SLEEVE OR DOME SHAPE IF PAINTING UNIT

G BOLLARD (FIXED)

7 FIXED BOLLARD
SCALE: N.T.S.

H BOLLARD (RETRACTABLE)

NOTE: INSTALL PER MANUFACTURERS SPECIFICATION AND FOOT DESIGN.

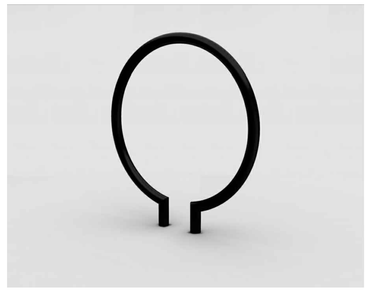


8 RETRACTABLE BOLLARD
SCALE: N.T.S.

NOTE:

BIKE RACKS TO BE SPACED EVENLY WITHIN PADS, AT A MINIMUM SPACING OF 2.5' ON CENTER AND WITH A MINIMUM OF 3' BETWEEN THE OUTERMOST RACKS AND EDGE OF PAD PAVING. ALIGN RACKS IN THE DIRECTION AS SHOWN IN PLANS.

I DECORATIVE BIKE RACK



9 DECORATIVE BIKE RACK
SCALE: N.T.S.

J STANDARD BIKE RACK

10 STANDARD BIKE RACK
SCALE: N.T.S.

U BIKE SERVICE STATION

NOTE: ORIENT SERVICE STATION AS SHOWN IN PHOTO RELATIVE TO CONCRETE PAD AND ACCESS DIRECTION.

11 BIKE SERVICE STATION
SCALE: N.T.S.

K:\JAX_LA\142107025 - Tom Petty Construction Doc\04 eBOARD FILES\02 Plan Sheets\142107025 PSP.dwg, Layout: L1.04, Jan 07, 2025, Shawn.Klein
XREFs: ddwater-142107025 xm-address-pl Drawing.dgnx xCurvy-142107025 xBase-142107025 xPipes-142107025 xLandscape-142107025 xUtilities-142107025 115354A Pole Layout.dgn

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800 SW 2ND AVENUE, SUITE 100, GAINESVILLE, FL 32601
PHONE: 352-374-3274
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

GAINESVILLE REVIEWED FOR CODE COMPLIANCE
SW25-000012 - SITE WORK - Tom Petty Park (LD24-000087)
02/28/25

KHA PROJECT	142107025
DATE	JANUARY 2025
SCALE	AS
DESIGNED	
DRAWN	
CHECK	

HARDSCAPE DETAILS

TOM PETTY PARK
PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

SHEET NUMBER
L1.04

NOTE:

ATTACH PADDLE RACKS TO COURT FENCING AT 42" HEIGHT ABOVE GRADE AND IN LOCATIONS AS APPROVED BY OWNER'S REPRESENTATIVE. ATTACH IN A MANNER APPROVED BY THE PADDLE RACK AND FENCING MANUFACTURERS.

K PADDLE RACK

1 PADDLE RACK
SCALE: N.T.S.

L DRINKING FOUNTAIN

NOTE:

1. MEET ON SITE WITH OWNER'S REPRESENTATIVE TO CONFIRM FOUNTAIN LOCATION AND ORIENTATION PRIOR TO INSTALLATION. ORIENT IN DIRECTION AND LOCATE AS SHOWN IN PLANS.

2. INCLUDE A 32" DEEP X 24" WIDE X 144" LONG PEA GRAVEL PIT BELOW PAVING INCLUDING 4" PERFORATED PIPE DRAIN LINE AS PER MANUFACTURER'S DETAILS. INCLUDE PIT DETAILS WITHIN SUBMITTAL FOR OWNER REPRESENTATIVE'S REVIEW AND APPROVAL.

2 DRINKING FOUNTAIN
SCALE: N.T.S.

M LITTER RECEPTACLE

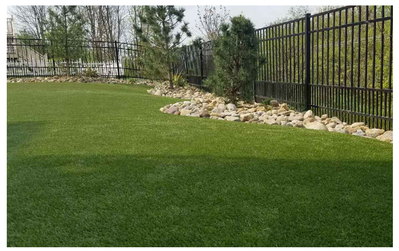
NOTE:

1. MEET ON SITE WITH OWNER'S REPRESENTATIVE TO CONFIRM RECEPTACLE LOCATIONS AND ORIENTATION PRIOR TO INSTALLATION.

2. IF RECEPTACLE IS LOCATED IN A LANDSCAPE OR TURF AREA, THEN INCLUDE A CONCRETE SLAB BELOW ALL RECEPTACLES. RECESS SLAB SO TOP OF SLAB MEETS FINISH GRADE. BUTT FLUSH WITH ADJACENT PAVING IF OWNER REPRESENTATIVE DIRECTS SLAB ADJACENT TO PAVING.

3 LITTER RECEPTACLES
SCALE: N.T.S.

N SYNTHETIC TURF



4 SYNTHETIC TURF
SCALE: N.T.S.

O GRAVEL

5 GRAVEL
SCALE: N.T.S.

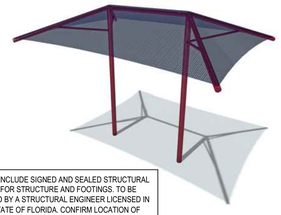
P TWIG BENCH WITH BACK

6 TWIG BENCH WITH BACK
SCALE: N.T.S.

R STARFISH AIR BENCH

7 STARFISH AIR BENCH
SCALE: N.T.S.

C CENTRAL SHADE STRUCTURES



NOTE: INCLUDE SIGNED AND SEALED STRUCTURAL PLANS FOR STRUCTURE AND FOOTINGS. TO BE SIGNED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF FLORIDA. CONFIRM LOCATION OF STRUCTURES ON SITE WITH OWNER REPRESENTATIVE PRIOR TO ORDERING.

8 CENTRAL SHADE STRUCTURES
SCALE: N.T.S.

NOTE: ATTACH TO PICKLEBALL COURT FENCING AS PER ACOUSTIFENCE AND CHAIN-LINK FENCING MANUFACTURER'S SPECIFICATIONS AND APPROVAL. CONFIRM LOCATION OF PANELS ON SITE WITH OWNER REPRESENTATIVE PRIOR TO ORDERING.

T NOISE REDUCING PANELS

9 NOISE REDUCING PANELS
SCALE: N.T.S.

S	TRAPECIO BENCH QTY = 2	PRODUCT: Landscape Forms 'Trapecio' concrete bench, 32" wide x 212" length x 27" height FINISH: Standard concrete with acid-etched finish COLOR: Standard SUPPLIER: Landscape Forms, Kelley Moore, (407) 754-6214, kmoore@landscapeforms.com
T	NOISE REDUCING PANELS	PRODUCT: 850 Series Pickleball Court Acoustic Wraps by FenceScreen, 10' x 4' standard panels including grommets and fasteners. Attach to pickleball court fencing as per FenceScreen and chain-link fencing manufacturer's specifications. FINISH: Standard COLOR: Standard, selected by owner SUPPLIER: FenceScreen, www.fencescreen.com, (877) 975-5216
U	BIKE SERVICE STATION QTY = 1	PRODUCT: Dero Single Sided Fixit Plus with Fixit Pump: Air Kit Prime FINISH: Powder coat COLOR: Black SUPPLIER: Dero, www.dero.com, (888) 337-6729
V	BAT HOUSE QTY = 1	PRODUCT: Four Chambered Bat House with (2) posts and mounting hardware and laser engraved faceplate. Install at height per manufacturer's specifications. Manufacturer to provide post embeddment and/or footing design. FINISH: Standard COLOR: Standard SUPPLIER: Lubee Bat Conservancy, www.lubee.org, (352) 485-1250, info@lubee.org

FINISH SCHEDULE

NOTE:

- SUBMIT SAMPLES AND SHOP DRAWINGS FOR ALL ITEMS FOR OWNER REPRESENTATIVE'S APPROVAL PRIOR TO ORDERING/ INSTALLATION.
- SUBSTITUTIONS SHALL NOT BE ACCEPTED WITHOUT PRIOR APPROVAL BY OWNER REPRESENTATIVE.
- MOCK-UPS ARE REQUIRED FOR ALL PAVING TYPES AND PATTERNS. MOCK UPS MAY BE CONSTRUCTED IN PLACE AND SHALL BE A MINIMUM OF 6'-0" LENGTH FOR WALKS OR BANDS AND 6'-0" x 6'-0" FOR PAVING AREAS.
- ADHERE TO MANUFACTURER'S INSTALLATION PROCEDURES AND SPECIFICATIONS.
- PROVIDE ALL HARDWARE FOR SURFACE MOUNTING, UNLESS OTHERWISE SHOWN. HARDWARE TO BE HOT DIPPED, GALVANIZED AND VANDAL RESISTANT.

SYM	ITEM	DESCRIPTION
A	SPORTS NET QTY = 1	PRODUCT: #36 Nylon Backstop Netting, 12' high, including posts and attachment hardware per manufacturer's specifications. Provide signed and sealed plans per an engineer licensed in the State of Florida, for post footings. FINISH: Standard COLOR: Standard, selected by owner SUPPLIER: BURBANK SPORT NETS, WWW.BURBANKSPORTNETS.COM, (866) 349-0057
B	TENNIS SHADE STRUCTURE QTY = 1	PRODUCT: 12' x 30' Cantilevered Shade Structure - to match existing FINISH: To match existing COLOR: To match existing SUPPLIER: https://WWW.CREATIVESHADESOLUTIONS.COM
C	CENTRAL SHADE STRUCTURE QTY = 2	PRODUCT: 18' x 20' Two-post, Hip Roof Shade Structure FINISH: To match existing COLOR: To match existing SUPPLIER: https://WWW.CREATIVESHADESOLUTIONS.COM
D	PLAYER BENCH QTY = 10	PRODUCT: UltraSite Custom Backed Bench, Model #P940S-P6-CL 6' length, surface mount - See detail for bench text FINISH: Standard COLOR: 'Textured Black' frame with 'Blue' bench seat and back SUPPLIER: Bliss Products, Jessica Allen, (904) 315-4664 or jessica@blissproducts.com
E	TABLE WITH 3-CHAIRS QTY = 8	PRODUCT: DuMor Model # 101-40, 42" diameter, with 3 attached chairs, no umbrella hole, portable, surface mounted FINISH: Standard, circle perforation chairs, solid table top COLOR: 'Textured Black' SUPPLIER: REP Services, Contact Mary Langley, (407) 831-9658, MLangley@REPServices.com
F	TABLE WITH 4-CHAIRS QTY = 12	PRODUCT: DuMor Model # 101-40, 42" diameter, with 4 attached chairs, no umbrella hole, portable, surface mounted FINISH: Standard, circle perforation chairs, solid table top COLOR: 'Textured Black' SUPPLIER: REP Services, Contact Mary Langley, (407) 831-9658, MLangley@REPServices.com
G	FIXED BOLLARD QTY = 41	PRODUCT: 4" Schedule 40 Primed Surplus Steel Bollard with 1/8" Bollard Cover FINISH: Standard COLOR: Dark Gray SUPPLIER: Bollard Solutions, Wanda McConnell, (864) 626-3311, bollardsolutionsltd@gmail.com
H	RETRACTABLE BOLLARD QTY = 11	PRODUCT: To match existing City Parks standard FINISH: To match existing City Parks standard COLOR: To match existing City Parks standard SUPPLIER: To match existing City Parks standard
I	DECORATIVE BIKE RACK QTY = 4	PRODUCT: Landscape Forms, 'Ring' Model FINISH: Standard COLOR: Black SUPPLIER: Landscape Forms, 800-381-3455, www.LandscapeForms.com
J	STANDARD BIKE RACK QTY = 5	PRODUCT: Standard City Of Gainesville Bike Rack FINISH: Standard COLOR: White SUPPLIER: Contact City Of Gainesville Parks
K	PADDLE RACK QTY = 4	PRODUCT: Model No. 2458-PVC Rack, 24-rack, 57" long PVC paddle rack FINISH: Standard COLOR: Standard SUPPLIER: NEXTuP Pickleball Racks, https://nextuppickleball.com/nextup-pickleball/racks/pvc/pvc-paddle-rack/, (651) 303-9835
L	DRINKING FOUNTAIN QTY = 1	PRODUCT: Pedestal hilfow drinking fountain, Model # 840 SMSS with jug filler, and recessed hose bibb & lock door FINISH: Textured powdercoat with stainless steel surface carrier COLOR: 'Textured Sapphire' SUPPLIER: Most Dependable Fountains, www.mostdependable.com, (901) 867-0039
M	LITTER RECEPTACLE QTY = 7	PRODUCT: Max-R, Terra Style, Recycled Plastic, Standard City of Gainesville FINISH: Standard COLOR: Green-black trip and roof; symbols and text per City of Gainesville standard SUPPLIER: Max-R
N	SYNTHETIC TURF	PRODUCT: Forever Lawn K9Grass Classic+ FINISH: Standard COLOR: Standard 'Summer Green' primary and 'Turf Green' secondary SUPPLIER: REP Services, Contact Mary Langley, (407) 831-9658, MLangley@REPServices.com
O	GRAVEL	PRODUCT: #57 Stone FINISH: Standard COLOR: Standard SUPPLIER: Southern Aggregates, (352) 245-4445 or www.southernrockyard.com
P	TWIG BENCH WITH BACK QTY = 2	PRODUCT: Landscape Forms 'Twig' modular bench, backed, 76" depth x 93" length x 18" height FINISH: Standard acid-etched/waterproofed finish COLOR: Grey SUPPLIER: Landscape Forms, Kelley Moore, (407) 754-6214, kmoore@landscapeforms.com
Q	BACKLESS TWIG BENCH QTY = 2	PRODUCT: Landscape Forms 'Twig' modular bench, backless, 76" depth x 93" length x 18" height FINISH: Standard acid-etched/waterproofed finish COLOR: Grey SUPPLIER: Landscape Forms, Kelley Moore, (407) 754-6214, kmoore@landscapeforms.com
R	STARFISH AIR BENCH QTY = 1	PRODUCT: Landscape Forms 'Starfish Air' modular bench, backless, 75" depth x 81 1/4" length x 16 1/2" height FINISH: Standard acid-etched/waterproofed finish COLOR: Grey SUPPLIER: Landscape Forms, Kelley Moore, (407) 754-6214, kmoore@landscapeforms.com

No.	REVISIONS	DATE	BY
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	90% CONSTRUCTION DOCUMENTS	07-02-24	-
	SITE DEVELOPMENT REVIEW	09-06-24	-
	SITE DEVELOPMENT REVIEW	12-20-24	-
	SITE DEVELOPMENT REVIEW & BID ADDENDUM NO. 1	01-22-25	-
	NOT FOR CONSTRUCTION	-	-

GAINESVILLE APPROVED
DATE: 02/13/25
LD24-000087 - Intermediate - Tom Retty Park Pickleball

Kimley»Horn
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REGISTERED LANDSCAPE ARCHITECT CLAIRE ELISABETH MOORE LA 6666727 STATE OF FLORIDA

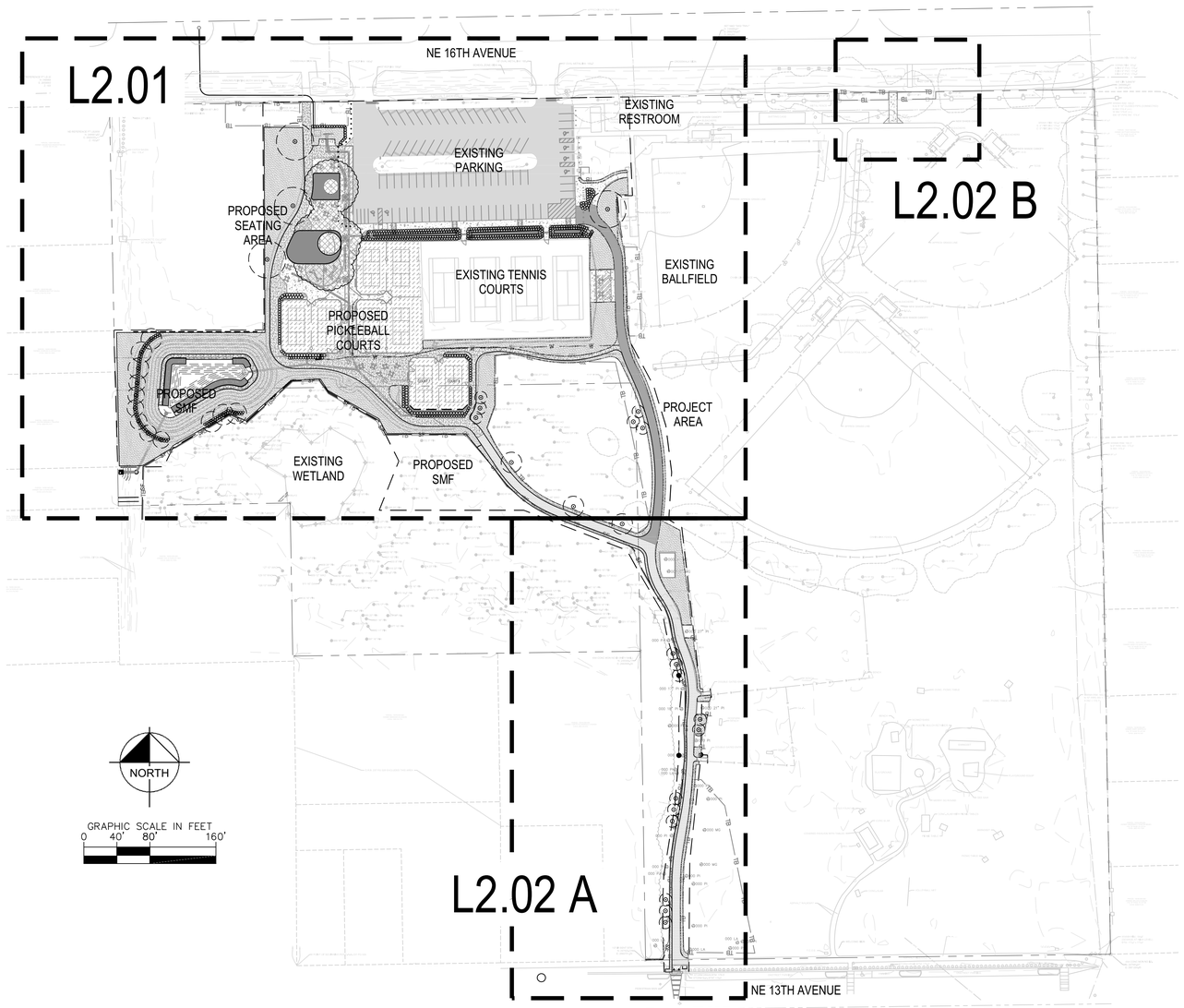
GAINESVILLE REVIEWED FOR CODE COMPLIANCE
SW25-000012 - SITE WORK - Tom Petty Park (LD24-000087)
02/28/25

KHA PROJECT 142107025
DATE JANUARY 2025
SCALE AS
DESIGNED
DRAWN
CHECKED

HARDSCAPE DETAILS AND FINISH SCHEDULE

TOM PETTY PARK
PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

SHEET NUMBER
L1.05



LANDSCAPE NOTES

1. PRE-CONSTRUTION MEETING: CONTACT THE CITY OF GAINESVILLE URBAN FORESTRY INSPECTOR AT 352-334-5023 TO SCHEDULE A TREE BARRICADE INSPECTION AND TO REVIEW PROPOSED LANDSCAPE MATERIALS BEFORE BEGINNING ANY CLEARING, SITE WORK, OR INSTALLATION ACTIVITIES. CONTACT A MINIMUM OF THREE DAYS PRIOR TO REQUESTED MEETING DATE.
2. EXISTING TREE PROTECTION: PROTECTIVE BARRIERS SHALL BE CONSTRUCTED AS INDICATED IN DEMOLITION PLANS TO PREVENT THE DESTRUCTION OR DAMAGING OF REGULATED TREES THAT ARE LOCATED WITHIN 50 FEET OF ANY CONSTRUCTION ACTIVITY OR STORAGE OF EQUIPMENT AND MATERIALS. PROTECTED TREES SHALL INCLUDE THOSE TREES THAT HAVE NOT BEEN PERMITTED NOR DESIGNATED FOR REMOVAL AS SHOWN IN DEMOLITION PLANS BY EITHER THE TERMS OF THE PERMIT OR APPROVED DEVELOPMENT ORDER. PROTECTIVE BARRIERS SHALL BE PLAINLY VISIBLE AND SHALL CREATE A CONTINUOUS BOUNDARY AROUND TREES OR VEGETATION CLUSTERS IN ORDER TO PREVENT ENCROACHMENT BY MACHINERY, VEHICLES, OR STORED MATERIALS. BARRIERS SHALL BE INSPECTED BY THE URBAN FORESTRY INSPECTOR PRIOR TO PROCEEDING WITH SITE WORK. SEE TREE PROTECTION DETAILS FOR SPECIFIC REQUIREMENTS FOR BOTH REGULATED TREES AND HIGH-QUALITY, HERITAGE TREES.
3. EXISTING UTILITIES: LOCATE ALL UTILITIES PRIOR TO COMMENCEMENT OF WORK. CALL SUNSHINE STATE ONE CALL - SEE LOGO BELOW.
4. INVASIVE SPECIES: REMOVE INVASIVE, NONNATIVE PLANT SPECIES AS LISTED ON THE FLORIDA PROHIBITED AQUATIC PLANTS LIST OR THE FLORIDA NOXIOUS WEED LIST FROM THE SITE PRIOR TO ISSUANCE OF THE CERTIFICATE OF OCCUPANCY. ALL HERBICIDE APPLICATIONS TO CONTROL INVASIVE, NONNATIVE PLANTS IN WETLAND OR UPLAND SET-ASIDE AREAS, INCLUDING BUFFERS, SHALL BE APPLIED BY A CONTRACTOR LICENSED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, DIVISION OF AGRICULTURAL ENVIRONMENTAL SERVICES, WITH A CURRENT CERTIFICATION IN NATURAL AREAS WEED MANAGEMENT.
5. PLANTING PREPARATION: REMOVE ALL CONSTRUCTION DEBRIS, LIMEROCK, GRAVEL, ROAD BEDDING, LITTER, AND OTHER ITEMS POTENTIALLY DAMAGING TO PLANT GROWTH WITHIN PROPOSED LANDSCAPE AND TURF AREAS PRIOR TO PLANTING. MAINTAIN EXISTING GRADES UNLESS OTHERWISE APPROVED BY THE OWNER'S REPRESENTATIVE. IF FILL IS REQUIRED, USE A CLEAN, SANDY LOAM WITH pH 5.5-6.5 AND EXCAVATED FROM LOCAL SOURCES AND DEEP PITS SUCH THAT IT IS FREE OF WEEDS, SEEDS, LITTER, TOXINS, AND OTHER ITEMS HARMFUL TO PLANTINGS.
6. PRUNING: IF TREE OR ROOT PRUNING IS REQUIRED, THESE ACTIVITIES SHALL BE PERFORMED BY AN ARBORIST CERTIFIED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA). PRUNING SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT VERSION OF THE AMERICAN NATIONAL STANDARD FOR TREE CARE OPERATIONS "TREE. SHRUB AND OTHER WOODY PLANT MAINTENANCE" (ANSI A300) AND "PRUNING. TRIMMING. REPAIRING. MAINTAINING, AND REMOVING TREES. AND CUTTING BRUSH—SAFETY REQUIREMENTS" (ANSI Z.133). NO MORE THAN 25 PERCENT OF THE CROWN SHOULD BE REMOVED AT ONE TIME. ON YOUNG TREES, LIMB REMOVAL SHALL LEAVE NO MORE THAN 33 PERCENT OF THE TRUNK BARE OF BRANCHES.TREE AND/OR ROOT PRUNING ACTIVITIES FOR HIGH QUALITY HERITAGE TREES SHALL BE OVERSEEN DIRECTLY, ON SITE, BY AN ISA-CERTIFIED ARBORIST. MINIMIZE IMPACTS ON EXISTING TREE ROOTS AS MUCH AS POSSIBLE. AVOID TREE ROOT PLATE AREAS AS DEFINED BY PERMITTING AGENCIES. ALL ROOTS OF TREES TO REMAIN THAT ARE ADJACENT TO EXTENSIVE EXCAVATION AND ARE 1" DIAMETER OR OVER SHALL BE HAND CUT. EXPOSE ROOTS BY HAND DIGGING, HAND CUT OR SAW CLEANLY, AND IMMEDIATELY COVER WITH SOIL. DO NOT ALLOW CUT ROOTS TO DRY OUT. SUPPLEMENTAL IRRIGATION IS REQUIRED FOR TREES THAT HAVE UNDERGONE ROOT PRUNING AND SHALL BE PROVIDED IMMEDIATELY FOLLOWING ROOT TRIMMING ACTIVITIES.
7. MINIMUM PLANTING AREA: A MINIMUM ROOTZONE VOLUME OF 700 CUBIC FEET SHALL BE PROVIDED FOR STREET TREES. IF STREET TREES SHARE A ROOTZONE, VOLUME SHALL BE A MINIMUM OF 550 CUBIC FEET. ALL OTHER REQUIRED SHADE TREES SHALL BE HAVE A MINIMUM OF 420 CUBIC FEET OF ROOTZONE VOLUME. PROVIDE A MINIMUM THREE FOOT DEEP PLANTING DEPTH FOR ALL PROPOSED PLANTING AND TURF AREAS.
8. PLANT MATERIAL, GENERAL: ALL PLANT MATERIALS SHALL MEET 'FLORIDA NUMBER 1' REQUIREMENTS AS PER THE MOST CURRENT EDITION OF 'FLORIDA GRADES AND STANDARDS FOR NURSERY PLANTS', FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES.
9. PLANT MATERIAL, AQUATIC: FOR THOSE PLANTINGS INDICATED TO BE PLANTED WITHIN WET CONDITIONS, PROCURE FROM A SOURCE IN WHICH PLANTS HAVE BEEN GROWN IN WET CONDITIONS.
10. PROPOSED TREES: ALL TREES TO BE A MINIMUM OF SEVEN FEET TALL AND HAVE A MINIMUM TRUNK CALIPER OF TWO INCHES. TREES SHALL BE IN 30-GALLON MINIMUM CONTAINERS OR, IF FIELD GROWN, HAVE A MINIMUM ROOTBALL DIAMETER OF 28 INCHES. NEW TREES LOCATED OUTSIDE OF LARGER PLANTING AREAS TO HAVE 10" OF PLASTIC DRAIN TUBING INSTALLED AROUND THE BASE OF THEIR TRUNK TO PROTECT FROM MOWER AND STRING TRIMMER IMPACTS.
11. NEW TREE STAKING: IF NECESSARY TO MAINTAIN TREES PLUMB, TREES SHALL BE STAKED WITH BIODEGRADABLE STAKING MATERIALS. PROPOSED STAKING METHOD TO BE APPROVED BY URBAN FORESTRY INSPECTOR PRIOR TO INSTALLATION.
12. SOD: ALL UNPAVED AND DISTURBED AREAS OUTSIDE OF PROPOSED TREE, SHRUB, AND GROUNDCOVER PLANTINGS SHALL BE SODDED. SEE CIVIL PLANS FOR SODDING INFORMATION FOR STORMWATER FACILITIES. SOD SHALL BE SAND-GROWN, STRONGLY ROOTED, WITHOUT SYNTHETIC STABILIZING MATERIALS, FREE OF PESTS, AND CERTIFIED FREE OF NOXIOUS WEEDS BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, DIVISION OF PLANT INDUSTRY.
13. TYPICAL MULCHING: FOUR INCHES OF MULCH SHALL COVER TREE RING PLANTING AREAS AND ALL SHRUB AND GROUNDCOVER PLANTING AREAS. MULCH SHOULD BE NO DEEPER THAN ONE INCH OVER THE TOP OF TREE ROOTBALLS. USE PINE BARK 'MINI NUGGETS' MULCH IN ALL AREAS EXCEPT STORMWATER FACILITIES, IN WHICH GRAVEL MULCH SHALL BE USED. INSTALL GRAVEL MULCH IN SWALES AS SHOWN IN PLAN. MULCH TO BE ¾" - 1-½" MAX. BROWN RIVER ROCK, INSTALLED 2" DEEP AND OVER GEOTEXTILE FABRIC. PIN FABRIC WITH LANDSCAPE STAPLES ALONG TOP EDGES AND ALONG CENTERLINE EVERY 4' MIN. MULCH TO BE FREE OF DEBRIS, STICKS, AND CONES.
14. IRRIGATION: SEE IRRIGATION PLANS.
15. RESPONSIBILITY: OWNER IS RESPONSIBLE FOR THE SURVIVAL OF PLANTINGS AND REMOVAL OF ALL TREE STAKING, IF INSTALLED, FOR ONE YEAR FOLLOWING RECEIPT OF CERTIFICATE OF OCCUPANCY. IF A TREE THAT IS REQUIRED FOR MITIGATION OR TO FULFILL THE REQUIREMENTS OF THE LAND DEVELOPMENT CODE DIES OR IS SEVERELY DAMAGED, AS DETERMINED BY THE CITY MANAGER OR DESIGNEE, THEN THE TREE MUST BE REPLACED WITHIN SIX MONTHS OF THE DETERMINATION.
16. TRANSPORTATION MOBILITY PROGRAM AREA: THIS PROJECT IS LOCATED WITHIN ZONE A OF THE T.M.P.A. AS SUCH, STREET TREES TO MEET THIS POLICY ARE NOT REQUIRED. STREET TREES ARE REQUIRED BY OTHER LAND DEVELOPMENT REGULATIONS, HOWEVER - SEE LANDSCAPE CALCULATIONS.

LEGEND

EXISTING TREES TO REMAIN

PROPOSED TREE

KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast, it's free, it's the law.
Call 811 two business days before digging

PLANT SCHEDULE

CODE	QTY	BOTANICAL / COMMON NAME	SIZE	SPACING
UNDERSTORY TREES				
CC	3	Cercis canadensis / Eastern Redbud	30 gal., 9' ht. x 36" sprd., 2" cal.	As shown
PA	17	Prunus angustifolia / Chickasaw Plum	30 gal., 8' ht. x 30" sprd., 2" cal.	As shown
CANOPY TREES				
ARF	3	Acer rubrum `Florida Flame` / Florida Flame Red Maple	30 gal., 11' ht. x 48" sprd., 2" cal.	As shown
LT	3	Liriodendron tulipifera / Tulip Poplar	30 gal., 11' ht. x 48" sprd., 2" cal.	As shown
QV	4	Quercus virginiana / Southern Live Oak	30 gal., 11' ht. x 48" sprd., 2" cal.	As shown
TD	6	Taxodium distichum / Bald Cypress	30 gal., 10' ht. x 48" sprd., 2" cal.	As shown
SHRUBS				
HA	70	Hamelia patens 'Compacta' / Dwarf Firebush	3 gal., 18" ht. x 18" sprd.	42" o.c.
MC	555	Muhlenbergia capillaris / Pink Muhly	3 gal., 24" ht., full	36" o.c.
VOS	88	Viburnum obovatum `Mrs Shillers Delight` / Mrs Shillers Delight Viburnum	3 gal., 18" ht. x 16" sprd.	36" o.c.

CODE	QTY	BOTANICAL / COMMON NAME	SIZE	SPACING	NOTES
GROUND COVERS					
SM	424	Salvia misella / Creeping Sage	1 gal., 6" ht. x 12" sprd.	30" o.c.	
AQUATIC PLANTS					
IVR	247	Iris virginica / Blue Flag Iris	1 gal. 18" ht., full	30" o.c.	0"-18" planting depth
THG	90	Thalia geniculata / Fire Flag	1 gal. 18" ht., full	48" o.c.	2"-24" planting depth
SOD/SEED					
SOD	54,400 SF	Paspalum notatum `Argentine` / Argentine Bahia Grass			Sand grown and weed free
MULCH*					
GM	130 CF	Gravel Mulch / Gravel Mulch			

* NOTE TYPICAL MULCH FOR LANDSCAPE BEDS IS PINESTRAW - SEE NOTE 13. SPECIALTY MULCH IS LISTED BELOW FOR ONLY THOSE AREAS IDENTIFIED IN PLAN.

SOD NOTE: CONTRACTOR RESPONSIBLE FOR SODDING ALL DISTURBED AREAS. THE QUANTITY PROVIDED ASSUMES AREAS OF PROPOSED GRADING AND IMPROVEMENTS WITHIN PROJECT AREA. IF ADDITIONAL AREAS ARE DISTURBED, CONTRACTOR TO SOD AT NO ADDITIONAL COST TO THE PROJECT.

No.	REVISIONS	DATE	BY
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	90% CONSTRUCTION DOCUMENTS	07-02-24	--
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	SITE DEVELOPMENT REVIEW	12-20-24	--
	SITE DEVELOPMENT REVIEW & BID ADDENDUM NO. 1	01-22-25	--
	NOT FOR CONSTRUCTION	--	--

GAINESVILLE APPROVED
DATE: 02/13/25
LD24-000087 - Intermediate - Tom Retty Park Pickleball

Kimley»Horn
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PHONE: 352-374-3274
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

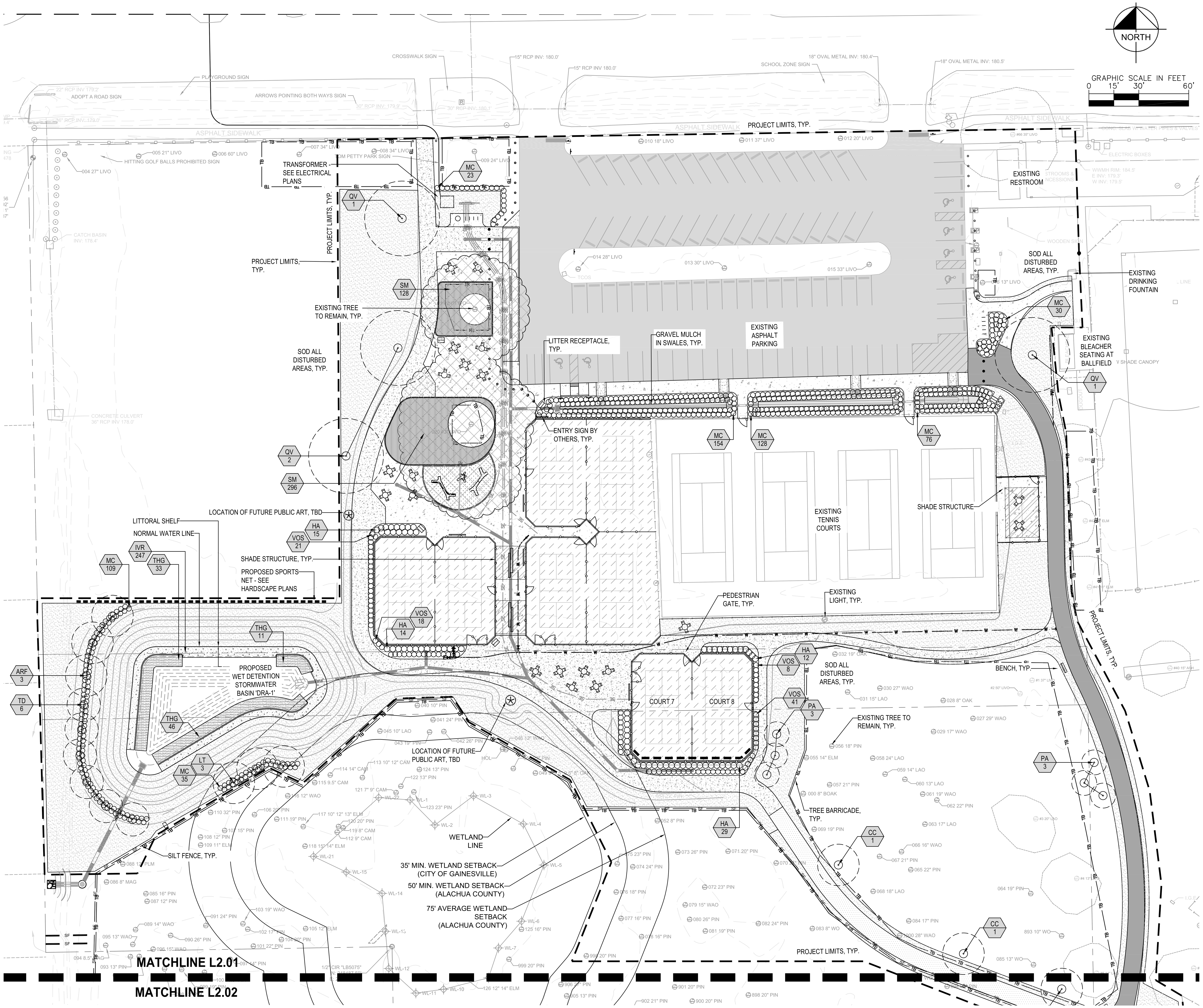
GAINESVILLE REVIEWED FOR CODE COMPLIANCE
SW25-000012 - SITE WORK - Tom Petty Park (LD24-000087)
02/28/25

KHA PROJECT 142107025
DATE JANUARY 2025
SCALE AS
DESIGNED
DRAWN
CHECK

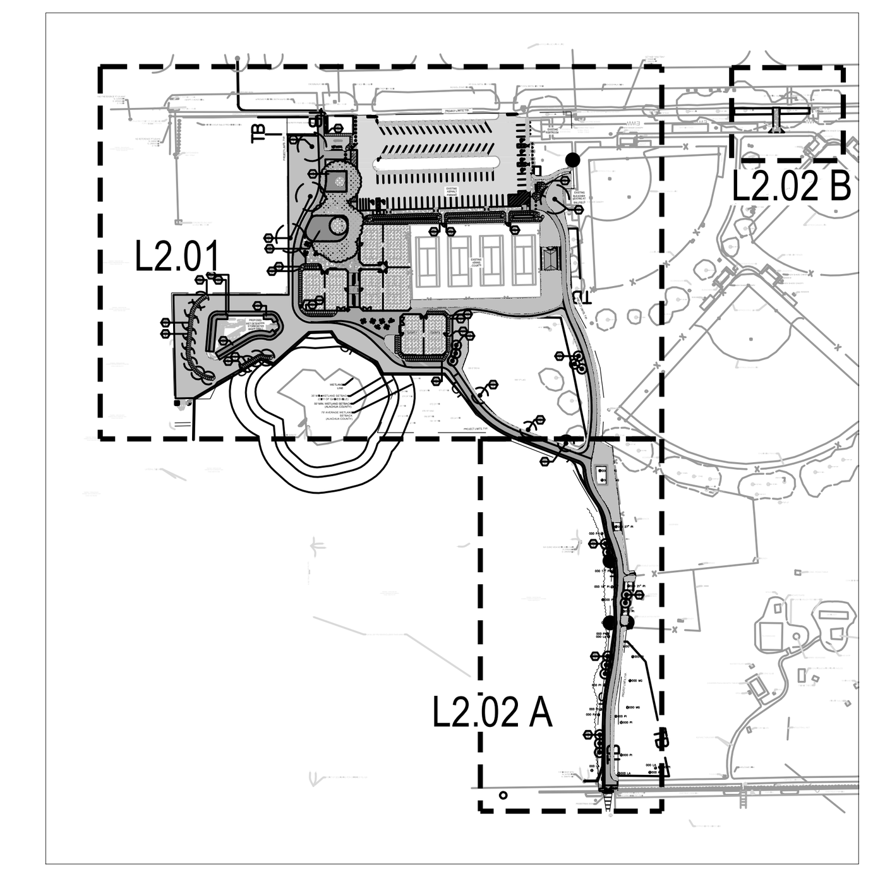
OVERALL LANDSCAPE PLAN, NOTES, AND SCHEDULE

TOM PETTY PARK
PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

SHEET NUMBER
L2.00



KEY PLAN



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REGISTERED LANDSCAPE ARCHITECT CLAIRE ELISABETH MANLEY LA 6666722

GAINESVILLE REVIEWED FOR CODE COMPLIANCE
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02/28/25

KHA PROJECT 142107025
DATE JANUARY 2025
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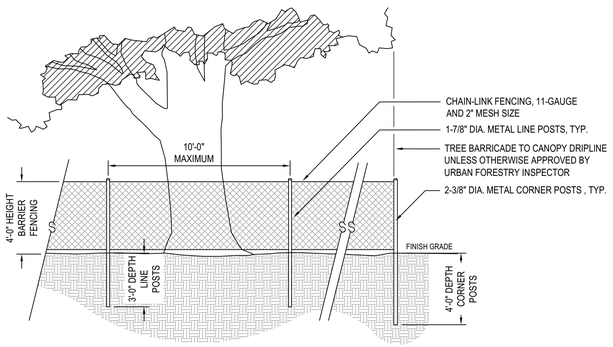
LANDSCAPE PLAN

TOM PETTY PARK PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

SHEET NUMBER
L2.01

NOTE:

1. **UTILIZE THIS DETAIL FOR ALL EXISTING, HIGH QUALITY TREES THAT ARE 20" DBH AND LARGER**. HIGH QUALITY TREES ARE DEFINED BY THE CITY OF GAINESVILLE AS ANY OF THE FOLLOWING: Live Oak (Quercus virginiana), Sand Live Oak (O. geminata), Bluff Oak (Q. austrina), Basket Oak (Q. michauxii), Southern Red Oak (Q. falcata), Southern Magnolia (Magnolia grandiflora), Florida Maple (Acer barbatum), Longleaf Pine (Pinus palustris), Spruce Pine (P. glabra), Cedar Elm (Ulmus crassifolia), Winged Elm (U. alata), Florida Elm (U. floridana), Bald Cypress (Taxodium distichum), Pond Cypress (T. ascendens), Tupelo (Nyssa sylvatica), Mockernut Hickory (Caiya tomentosa) Pignut Hickory (C. glabra, Pecan (C. illinoensis), Persimmon (Diospyros virginiana), Basswood (Tilia Americana), Tulip Poplar (Liriodendron tulipifera), White Ash (Fraxinus Americana), Green Ash (F. pensylvanica) and Yaupon, Dahoon, and American Holly species (Ilex vomitoria, I, cassine, and I. opaca).
2. DO NOT STORE MATERIALS OR ALLOW ENCROACHMENT OF VEHICLES OR MACHINERY WITHIN TREE BARRIER AREA. NO BUILDING MATERIALS, MACHINERY OR HARMFUL CHEMICALS SHALL BE PLACED WITHIN PROTECTIVE BARRIERS, EXCEPT SHORT-DURATION PLACEMENTS OF CLEAN FILL SOIL THAT WILL NOT HARM THE TREE.
3. NO GRADE CHANGES MAY OCCUR WITHIN TREE BARRIER AREA WITHOUT APPROVAL.
4. LANDSCAPE PREPARATION IN THE PROTECTED AREA SHALL BE LIMITED TO SHALLOW DISCING OF THE AREA. DISCING SHALL BE LIMITED TO A DEPTH OF FOUR INCHES UNLESS SPECIFICALLY APPROVED OTHERWISE.
5. TREE BARRIERS TO REMAIN IN PLACE UNTIL LANDSCAPING OPERATIONS BEGIN. ONCE REMOVED, VEHICLE AND EQUIPMENT TRAFFIC AND STORAGE OF MATERIALS WITHIN AREA SHALL BE MINIMIZED AS MUCH AS POSSIBLE.



1 TREE PROTECTION: HIGH-QUALITY, HERITAGE TREE

SCALE: N.T.S.

NOTE:

1. **UTILIZE THIS DETAIL FOR ALL EXISTING, REGULATED TREES THAT ARE LESS THAN 20" DBH OR ARE NOT A HIGH QUALITY SPECIES** (SEE DETAIL 1 FOR A LIST OF HIGH QUALITY SPECIES).
2. DO NOT STORE MATERIALS OR ALLOW ENCROACHMENT OF VEHICLES OR MACHINERY WITHIN TREE BARRIER AREA. NO BUILDING MATERIALS, MACHINERY OR HARMFUL CHEMICALS SHALL BE PLACED WITHIN PROTECTIVE BARRIERS, EXCEPT SHORT-DURATION PLACEMENTS OF CLEAN FILL SOIL THAT WILL NOT HARM THE TREE.
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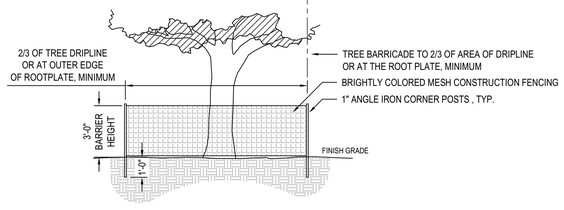
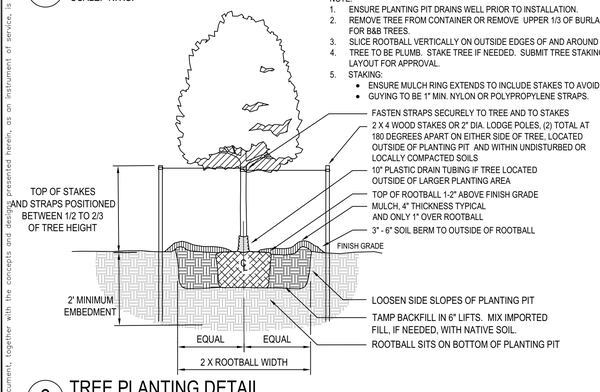


2 TREE PROTECTION: TYPICAL REGULATED TREE

SCALE: N.T.S.

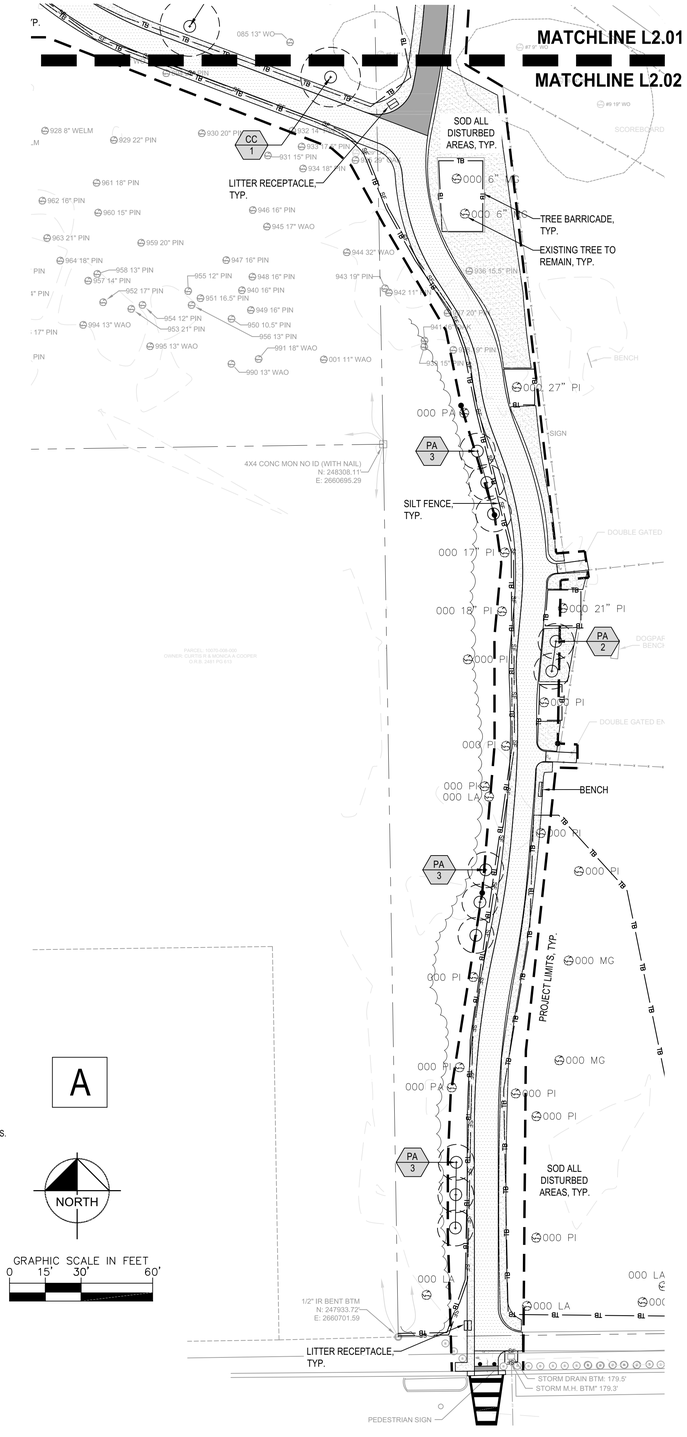
NOTE:

1. ENSURE PLANTING PIT DRAINS WELL PRIOR TO INSTALLATION.
2. REMOVE TREE FROM CONTAINER OR REMOVE UPPER 1/3 OF BURLAP AND WIRE MESH FOR B&B TREES.
3. SLICE ROOTBALL VERTICALLY ON OUTSIDE EDGES OF AND AROUND ROOTBALL.
4. TREE TO BE PLUMB. STAKE TREE IF NEEDED. SUBMIT TREE STAKING DETAILS AND LAYOUT FOR APPROVAL.
5. STAKING:
   - ENSURE MULCH RING EXTENDS TO INCLUDE STAKES TO AVOID MOWING CONFLICTS.
   - GUYING TO BE 1" MIN. NYLON OR POLYPROPYLENE STRAPS.



3 TREE PLANTING DETAIL

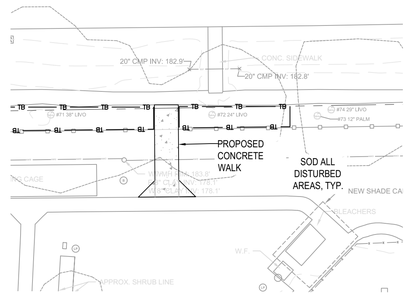
SCALE: N.T.S.



A

NORTH

GRAPHIC SCALE IN FEET
0 15' 30' 60'

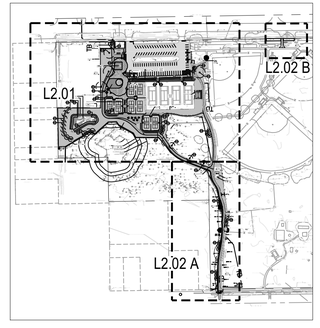


B

NORTH

GRAPHIC SCALE IN FEET
0 15' 30' 60'

KEY PLAN



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LA 6666

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LANDSCAPE PLAN AND DETAILS

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CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

SHEET NUMBER
L2.02

K:\GNE_LA\142107025 - Tom Petty Construction Docs\04 ARCHIVE CAD\Sheets\142107025 TPP_LP.dwg, Layout: L2.03 Jan 22, 2025 Warren.Mays
XREFS: dBorder: 142107025 sm_master-sp-1 Drawings\Data\Survey\142107025 dBorder_24x36.dwg dBorder: 142107025 surveyor-142107025 xutilities-142107025

CITY OF GAINESVILLE TREE MITIGATION CALCULATIONS Sec. 30-8.7

City Submittal No. 2

CATEGORY 1 = TREE APPRAISED VALUE (T.A.V.) PAYMENT TREES

Per Sec. 30-8.7(D) table: "High quality heritage trees, in fair or better condition requires mitigation payment based on tree appraised value, limited to three trees per acre averaged over the entire site. If more than three trees per acre in this category are located on the site then the trees with the highest tree appraised value throughout the site shall be used to calculate the payment. High quality heritage trees proposed for removal in excess of the overall average of three per acre shall require mitigation trees on an inch-for-inch on a diameter basis." Per Sec. 30-2.1 Definitions: "High quality trees means any trees of the following species: Live Oak (Quercus virginiana), Sand Live Oak (Q. geminata), Bluff Oak (Q. austrina), Basket Oak (Q. michauxii), Southern Red Oak (Q. falcata), Southern Magnolia (Magnolia grandiflora), Florida Maple (Acer barbatum), Longleaf Pine (Pinus palustris), Spruce Pine (P. glabra), Cedar Elm (Ulmus crassifolia), Winged Elm (U. alata), Florida Elm (U. floridana), Bald Cypress (Taxodium distichum), Pond Cypress (T. ascendens), Tupelo (Nyssa sylvatica), Mockernut Hickory (Caiya tomentosa/Pignut Hickory (C. glabra), Pecan (C. illinoensis), Persimmon (Diospyros virginiana), Basswood (Tilia Americana), Tulip Poplar (Liriodendron tulipifera), White Ash (Fraxinus Americana), Green Ash (F. pensylvanica) and Yaupon, Dahoon, and American Holly species (Ilex vomitoria, I, cassine, and I. opaca)." Note removal of trees in this category require a 'TAV' payment and cannot be addressed with proposed replacement trees.

TOTAL SITE AREA	5.19	ACRES
MAX. T.A.V. TREES (3 per acre per code)	16	TREES
TOTAL TREES IN CATEGORY TO BE REMOVED & MITIGATED (Listed below)	0	TREES
TREES BEYOND MAX. (If any, to be mitigated inch:inch - See Category 2)	0	TREE

REMOVED APPRAISED TREES

Tree No.	DBH/inches	Tree Type	T.A.V.
-	-	-	
		TOTAL =	$ -

CATEGORY 2 = INCH:INCH REPLACEMENT

Per Sec. 30-8.7(D) table: "Heritage trees of other than high quality species, in fair or better condition, excluding laurel oaks and water oaks, requires mitigation trees on an inch-for-inch diameter basis." Per Sec. 30-2.1 Definitions: "Heritage trees means trees that are larger than 20 inches diameter breast height; except for Water Oaks (Quercus nigra), Laurel Oaks (Quercus hemispherica), Sweetgums (Liquidambar styraciflua), Loblolly Pine (Pinus taeda) and Slash Pine (Pinus elliottii), which become heritage trees only when they are larger than 30 inches diameter breast height."

Note:

1. Although Laurel Oaks and Water Oaks are considered heritage size over 30" DBH, they are not mitigated within Category 2 (INCH:INCH) per Sec. 30-8.7(D) table. See Category 3 for all Laurel Oaks and Water Oak mitigation.

2. Proposed trees can serve as replacement trees to meet mitigation of this category. If mitigation remains beyond proposed tree number, then the City allows payment of $100/remaining replacement tree.

Tree No.	Non-High Quality Heritage Tree Removed	DBH of Tree/Inches Required	Converted to Replacement Tree (2"/tree)	
	N/A		0	trees
		TOTAL TREES REQUIRED FOR INCH:INCH MITIGATION	0	trees

CATEGORY 3 = 2:1 REPLACEMENT

Per Sec. 30-8.7(D) table: "Any heritage trees in less than fair or better condition; any heritage laurel oak or water oak; and any other regulated tree requires mitigation trees consisting of two trees of high quality shade species established for each tree removed." Per Sec. 30-2.1 Definitions: "Regulated trees means trees of eight inches or greater in diameter breast height or any tree that was planted in compliance with an approved development order or to mitigate the removal of a regulated tree. Slash and Loblolly Pines are not regulated until they reach 20 inches in diameter, except those that were preserved during development in order to meet a landscaping requirement, which are considered regulated regardless of size." Palms are considered a regulated tree if over 8" DBH per current practice. Note that proposed trees can serve as replacement trees to meet mitigation of this category. If mitigation remains beyond proposed tree number, then the City allows payment of $100/remaining replacement tree.

NUMBER OF REGULATED TREES REMOVED (See list below)	19	trees
TOTAL TREES REQUIRED FOR MITIGATION AT 2:1 REPLACEMENT	38	trees

TOTAL ANTICIPATED TREE MITIGATION

CATEGORY 1 = TREE APPRAISED VALUE TREE PAYMENT REQUIREMENTS	$ -	subtotal
CATETORY 2 = INCH:INCH REPLACEMENT REQUIREMENTS	0	trees
CATETORY 3 = 2:1 REPLACEMENT REQUIREMENTS	38	trees
TOTAL REQUIRED REPLACEMENT TREES (CAT. 2 + 3)	38	trees
NO. OF REPLACEMENT TREES PROPOSED IN DEVELOPMENT, CODE-MINIMUM	36	trees
REMAINING REQUIRED MITIGATION REPLACEMENT TREES	2	trees
REMAINING MITIGATION REPLACEMENT TREES AS PAYMENT ($100/REPLACMENT TREE)	$ 200.00	subtotal
TOTAL MITIGATION BASED ON ABOVE	**$ 200.00**	total *

** PAYMENT SHALL BE MADE PRIOR TO RECEIPT OF DEVELOPMENT ORDER.*

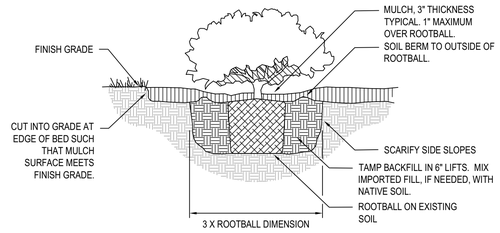
STORMWATER MANAGEMENT FACILITY
LDC SEC. 30-8.6. 1 High quality shade trees per 35 linear feet (on average) of basin perimeter with minimum tree spacing of 10 feet. 25% of planting area/littoral zone shall be landscaped with shrubs, groundcovers, native perennials, or aquatic plants.

BASIN 1

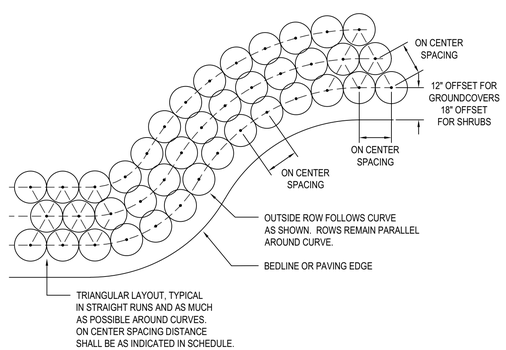
REQUIREMENT	Perimeter (LF)	Trees Required	PROVIDED
1 HQS Tree / 35 LF Perimeter	449	12.8	12 trees + 1 existing
	Area (SF)	25% Area	
25% Littoral Area as defined by City of Gainesville in Landscape (Shrubs)	3577	894.3	1079 SF shrubs
	Area (SF)	80% Area	
80% Littoral Zone as defined by Water Management District in Landscape (Aquatics)	3577	2861.6	2965 SF aquatics

TREE SPECIES DIVERSITY
LDC SEC. 30-8.3.A.6. Developments which require 16 or more shade trees shall have at least four different high quality shade tree species.

Shade Trees Required	Species Provided
16	4



1 SHRUB PLANTING DETAIL
SCALE: N.T.S.



2 SHRUB LAYOUT DETAIL
SCALE: N.T.S.

No.	REVISIONS	DATE	BY
	DESIGN DEVELOPMENT SUBMITTAL	05-21-24	--
	90% CONSTRUCTION DOCUMENTS	07-02-24	--
	SITE DEVELOPMENT REVIEW	09-06-24	--
	SITE DEVELOPMENT REVIEW	12-20-24	--
	SITE DEVELOPMENT REVIEW & BID ADDENDUM NO. 1	01-22-25	--
	NOT FOR CONSTRUCTION	--	--

GAINESVILLE APPROVED
DATE: 02/13/25
LD24-000087 - Intermediate - Tom Retty Park Pickleball

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
800 SW 2ND AVENUE, SUITE 100, GAINESVILLE, FL 32601
PHONE: 352-374-3274
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

REGISTERED LANDSCAPE ARCHITECT CARRIE ELISABETH KAZ
LA 6666722
STATE OF FLORIDA

Digitally signed by Carrie E Manley
DN: CN=Carrie E Manley, O=Qualified=A01410C00001BDB4B5B1700B0025, C=KIMLEY-HORN AND ASSOCIATES INC, C=US
Date: 2025.01.22 11:17:08 -05'00'

GAINESVILLE REVIEWED FOR CODE COMPLIANCE
SW25-000012 - SITE WORK - Tom Petty Park (LD24-000087)
02/28/25

KHA PROJECT	142107025
DATE	JANUARY 2025
SCALE	AS
DESIGNED	
DRAWN	
CHECK	

LANDSCAPE DETAILS AND CALCULATIONS

TOM PETTY PARK
PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

SHEET NUMBER
L2.03

TECHNICAL SPECIFICATIONS - PLANTING, SECTION 329000

PART 1 - GENERAL

1.1 SUMMARY

A. PROVIDE ALL LABOR, EQUIPMENT AND INCIDENTALS REQUIRED TO RENDER ALL SERVICES REQUIRED TO SUCCESSFULLY INSTALL ALL TURF AND LANDSCAPE PROPOSED WITHIN THE PROJECT AREA AS DEFINED ON PLANS.

B. WORK WILL INCLUDE BUT IS NOT LIMITED TO PREPARATION, INSTALLATION, AND MAINTENANCE FOR PROPOSED TURF AND LANDSCAPE MATERIAL.

1.2 SUBMITTALS

A. PROVIDE TO THE OWNER'S REPRESENTATIVE FOR REVIEW AND APPROVAL PRIOR TO ANY PLANTING ACTIVITIES. SUBMITTALS SHALL INCLUDE:

1. A COPY OF CURRENT CERTIFICATE AS A CERTIFIED LANDSCAPE CONTRACTOR BY THE FLORIDA NURSERY, GROWERS, AND LANDSCAPE ASSOCIATION (FNGLA).
2. A COPY OF CURRENT PEST CONTROL LICENSE (ROW, ORNAMENTAL AND/OR AQUATIC, IF APPROPRIATE)
3. CERTIFICATION BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES AS A COMMERCIAL FERTILIZER APPLICATOR PER 5E-14.117(18) F.A.C.
4. MANUFACTURER'S LABELS OR INFORMATION FOR ANY COMPONENTS INCORPORATED INTO THIS PROJECT, INCLUDING BUT NOT LIMITED TO FERTILIZERS, PESTICIDES, AND STAKING SYSTEMS.
5. IF IMPORTED FILL IS REQUIRED TO AUGMENT EXISTING CONDITIONS FOR PLANTING, PROVIDE IMPORTED FILL AS DESCRIBED WITHIN PRODUCTS SECTION. PROVIDE A SOIL ANALYSIS THROUGH THE UNIVERSITY OF FLORIDA EXTENSION SOIL TESTING LABORATORY FOR EACH FILL SOURCE AND INCLUDING INCLUDE A WRITTEN REPORT CONTAINING SOIL-AMENDMENT AND FERTILIZER RECOMMENDATIONS FOR EACH SOURCE.
6. SCHEDULE OF VALUES: PRIOR TO THE COMMENCEMENT OF THE WORK, SUBMIT INSTALLED UNIT PRICES FOR ALL PLANT MATERIALS (MULCH SHALL BE INCLUDED IN THE INSTALLED UNIT PRICING) AND SODDING. THE SCHEDULE OF VALUES SHOULD EQUAL THE TOTAL CONTRACT PRICE FOR LANDSCAPE INSTALLATION.
7. TYPEWRITTEN INSTRUCTIONS PROVIDING A MAINTENANCE SCHEDULE AND ALL MAINTENANCE OPERATIONS NECESSARY TO MAINTAIN THE PLANTINGS DURING AND FOLLOWING INSTALLATION, AS SPECIFIED BELOW.
8. WRITTEN WARRANTIES AS SPECIFIED BELOW.
9. RECORD DRAWINGS: FURNISH ONE SET OF RECORD DRAWINGS THAT CLEARLY SHOW ALL CHANGES MADE TO THE ORIGINAL CONTRACT DRAWINGS DURING THE COURSE OF THE WORK. DRAWINGS SHALL BE PROVIDED IN PDF FILE FORMAT AND TO BE FULLY LEGIBLE AND TO SCALE.

1.3 QUALITY CONTROL

A. ALL WORK SHALL BE PERFORMED BY A FNGLA CERTIFIED LANDSCAPE CONTRACTOR (FCLC) WHO HAS COMPLETED LANDSCAPE WORK SIMILAR IN SCOPE, MATERIAL, DESIGN, AND EXTENT TO THAT AS INDICATED FOR THIS PROJECT AND WITH A RECORD OF SUCCESSFUL TREE AND SHRUB ESTABLISHMENT. THE LANDSCAPE CONTRACTOR SHALL MAINTAIN FCLC CERTIFICATION UNDER FNGLA.

B. PRUNING AND TRIMMING, IF REQUIRED, SHALL BE PERFORMED BY A CERTIFIED ARBORIST, AS CERTIFIED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA).

C. ALL PLANT MATERIAL TO COMPLY WITH 'FLORIDA #1' GRADE QUALITY STANDARD AS DEFINED AND SPECIFIED WITHIN THE LATEST EDITION OF THE 'FLORIDA GRADES AND STANDARDS FOR NURSERY PLANTS' PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, DIVISION OF PLANT INDUSTRIES. PROVIDE HEALTHY, VIGOROUS STOCK GROWN IN A RECOGNIZED NURSERY IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICES AND FREE OF DISEASE, INSECTS, EGGS, LARVAE, AND DEFECTS SUCH AS KNOTS, SUN-SCALED, INJURIES, ABRASIONS, OR DISFIGUREMENT.

D. UNSATISFACTORY OR DEFECTIVE MATERIAL MAY BE REJECTED AT ANY TIME, AND REJECTED MATERIAL SHALL BE REMOVED IMMEDIATELY FROM THE PROJECT SITE.

E. CONTRACTOR SHALL MAINTAIN AND EXPERIENCED, FULL-TIME SUPERVISOR ON THE PROJECT SITE DURING ALL PLANTING ACTIVITIES.

F. SUBSTITUTIONS WILL NOT BE ACCEPTED UNLESS PROOF OF NON-AVAILABILITY OR EVIDENCE OF 'EQUAL' STATUS IS DEMONSTRATED PRIOR TO ORDERING AND/OR INSTALLATION. CONTRACTOR TO SUBMIT A SUBSTITUTION REQUEST TO THE OWNER'S REPRESENTATIVE FOR REVIEW AND APPROVAL PRIOR TO ORDERING, DELIVERY, OR INSTALLATION OF MATERIAL. THE SUBSTITUTION REQUEST SHALL IDENTIFY THE ISSUE WITH THE SPECIFIED MATERIAL AND PROPOSE ALTERNATIVE, EQUAL MATERIAL(S). INFORMATION TO BE PROVIDED REGARDING ALTERNATIVE MATERIALS SHALL INCLUDE SCIENTIFIC NAME, COMMON NAME, SIZE, AND SOURCE.

G. PACKAGE STANDARD PRODUCTS WITH MANUFACTURER'S CERTIFIED ANALYSIS OR ANALYSIS BY RECOGNIZED LABORATORY.

1.4 CONTRACTOR REQUIREMENTS

A. PROVIDE ALL EQUIPMENT, MATERIALS AND LABOR NECESSARY FOR COMPLETION OF WORK AND MAINTENANCE.

B. OBTAIN ALL NECESSARY PERMITS, LICENSES, AND NOTIFICATIONS AND PAY FEES NECESSARY FOR COMPLETION OF THE WORK.

C. COMPLY WITH ALL APPLICABLE CODES.

D. COORDINATE WITH OTHER TRADES WORKING ON THE PROJECT DURING PLANTING ACTIVITIES.

E. COORDINATION SHALL OCCUR WITH OTHER CONTRACTORS OR PROJECTS OCCURRING OFF SITE IF NECESSARY.

F. IDENTIFY AND VERIFY THE LOCATION OF ALL UTILITIES WITHIN PROPOSED PLANTING AREAS. CONTRACTOR TO CONTACT SUNSHINE STATE ONE CALL OF FLORIDA, INC. AS REQUIRED BY CHAPTER 556 OF FLORIDA STATUTES PRIOR TO ANY EXCAVATION OR PLANTING ACTIVITIES.

G. PROVIDE SAFE STORAGE FOR ALL EQUIPMENT AND MATERIALS. STORAGE OF SUCH ITEMS IS AT THE CONTRACTOR'S RISK.

H. REPAIR, AT NO COST TO THE OWNER, ANY DAMAGE OCCURRING DUE TO CONTRACTOR NEGLIGENCE TO EXISTING UTILITIES, STRUCTURES, FURNISHINGS, HARDSCAPE, LANDSCAPE, OR OTHER ELEMENTS TO REMAIN. ANY DAMAGED WORK SHALL BE REPAIRED AS PER PLANS, OTHER SPECIFICATIONS SECTIONS, OR AS INSTRUCTED BY THE OWNER'S REPRESENTATIVE.

I. MAINTENANCE DURING INSTALLATION AND UNTIL FINAL ACCEPTANCE.

1.5 WARRANTY

A. EXISTING LANDSCAPE AND VEGETATION

1. ALL EXISTING LANDSCAPE AND TURF TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION ACTIVITIES.

B. NEW PLANTS

1. WARRANTY SHRUBS AND GROUNDCOVER FOR A PERIOD OF TWELVE (12) MONTHS AFTER DATE OF SUBSTANTIAL COMPLETION AGAINST DEFECTS INCLUDING DEATH AND UNSATISFACTORY GROWTH, EXCEPT FOR THAT WHICH IS A RESULT OF NEGLECT BY OWNER, ABUSE, DAMAGE BY OTHERS, OR UNUSUAL PHENOMENA OR INCIDENTS WHICH ARE BEYOND THE CONTRACTOR'S CONTROL.
2. REMOVE AND REPLACE ANY LANDSCAPE MATERIAL FOUND TO BE DEAD OR IN UNHEALTHY CONDITION DURING WARRANTY PERIOD.

B. NEW SOD

1. WARRANTY ALL GRASS FOR A PERIOD OF SIX (6) MONTHS AFTER SUBSTANTIAL COMPLETION AGAINST DEFECTS INCLUDING DEATH AND UNSATISFACTORY GROWTH, AS DETERMINED BY THE OWNER'S REPRESENTATIVE, EXCEPT FOR DEFECTS RESULTING FROM NEGLECT BY THE OWNER, ABUSE OR DAMAGE BY OTHERS, OR THE UNUSUAL PHENOMENA OR INCIDENTS, WHICH ARE BEYOND THE CONTRACTOR'S CONTROL.
2. REMOVE AND REPLACE ALL TURF FOUND TO BE DEAD OR IN AN UNHEALTHY CONDITION DURING WARRANTY PERIOD AS DETERMINED BY THE OWNER'S REPRESENTATIVE.

C. REPAIR GRADES, LAWN AREAS, PAVING, AND ANY OTHER DAMAGE RESULTING FROM REPLACEMENT PLANTING OPERATIONS, AT NO ADDITIONAL COST TO OWNER.

D. IF ANY PLANTS ARE REPLACED DURING THE WARRANTY PERIOD, THEN THE REPLACEMENT MATERIAL SHALL ALSO BE WARRANTED FOR THE SAME PERIOD AS LISTED FOR NEW MATERIAL, ABOVE, FROM THE DATE OF REPLACEMENT. ONLY ONE REPLACEMENT WILL BE REQUIRED EXCEPT FOR LOSSES OR REPLACEMENTS DUE TO FAILURE TO COMPLY WITH SPECIFIED REQUIREMENTS.

E. A FINAL INSPECTION MAY BE MADE AT THE END OF THE WARRANTY PERIOD TO DETERMINE ACCEPTANCE OR REJECTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE OWNER, IN WRITING, THIRTY (30) DAYS PRIOR TO THE END OF THE WARRANTY PERIOD, AT WHICH TIME THE OWNER HAS THE OPTION TO PERFORM AN END OF WARRANTY INSPECTION. FAILURE TO NOTIFY THE OWNER OF THE END DATE OF THE WARRANTY PERIOD SHALL CAUSE THE WARRANTY PERIOD TO EXTEND UNTIL SUCH TIME AS THE CONTRACTOR GIVES THE OWNER THE REQUIRED 30 DAYS' NOTICE.

1.6 DELIVERY, STORAGE, AND HANDLING

A. PACKAGED MATERIALS: DELIVER PACKAGED MATERIALS IN CONTAINERS SHOWING WEIGHT, CERTIFIED ANALYSIS, AND NAME OF MANUFACTURER. PROTECT MATERIALS FROM DETERIORATION DURING DELIVERY AND WHILE STORED AT SITE.

B. SOD: TIME DELIVERY SO THAT SOD WILL BE PLACED WITHIN 24 HOURS AFTER STRIPPING. PROTECT SOD AGAINST DRYING AND BREAKING OF ROLLED STRIPS.

C. PLANTS: DO NOT PRUNE PRIOR TO DELIVERY UNLESS OTHERWISE APPROVED BY THE OWNER'S REPRESENTATIVE. DO NOT BEND OR BIND-TIE SHRUBS IN SUCH A MANNER AS TO DAMAGE BARK, BREAK BRANCHES, OF DESTROY NATURAL SHAPE. PROVIDE PROTECTIVE COVERING DURING DELIVERY. DELIVER PLANTS AFTER PREPARATIONS FOR PLANTING HAVE BEEN COMPLETED AND PLANT IMMEDIATELY. IF PLANTING IS DELAYED MORE THAN SIX (6) HOURS AFTER DELIVERY, SET PLANTS IN SHADE, PROTECT FROM WEATHER AND MECHANICAL DAMAGE, AND KEEP ROOTS MOIST BY COVERING WITH MULCH, BURLAP OR OTHER ACCEPTABLE MEANS OF RETAINING MOISTURE. DO NOT REMOVE CONTAINER-GROWN STOCK FROM CONTAINERS UNTIL PLANTING TIME. HANDLE PLANT MATERIALS BY ROOTBALL.

PART 1 - GENERAL, CON'T

1.7 PROJECT CONDITIONS

A. COORDINATE AND COOPERATE WITH OTHER TRADES TO ENABLE WORK TO PROCEED AS RAPIDLY AND EFFICIENTLY AS POSSIBLE.

B. IF WEATHER CONDITIONS DETRIMENTAL TO PLANTING ARE ENCOUNTERED OR ANTICIPATED, NOTIFY THE OWNER'S REPRESENTATIVE OR OWNER'S REPRESENTATIVE PRIOR TO PLANTING. PLANTING SHALL NOT OCCUR DURING PERIODS OF OR WITHIN 48 HOURS OF PREDICTED TEMPERATURES LESS THAN 32 F.

C. WHEN CONDITIONS DETRIMENTAL TO PLANT GROWTH ARE ENCOUNTERED OR ANTICIPATED, INCLUDING BUT NOT LIMITED TO LIMESTONE, ROAD BASE, RUBBLE FILL, ADVERSE DRAINAGE CONDITIONS, OBSTRUCTIONS, OR TOXIC MATERIALS, NOTIFY THE OWNER'S REPRESENTATIVE OR OWNER'S REPRESENTATIVE PRIOR TO PLANTING.

D. MAINTAIN GRADE STAKES SET BY OTHERS UNTIL REMOVAL IS MUTUALLY AGREED UPON BY PARTIES CONCERNED.

E. DETERMINE LOCATION OF UNDERGROUND UTILITIES PRIOR TO COMMENCEMENT OF WORK. CALL SUNSHINE STATE ONE CALL, 811. PERFORM WORK IN A MANNER THAT AVOIDS POSSIBLE DAMAGE. HAND EXCAVATE AS REQUIRED.

PART 2 - PRODUCTS

2.1 FILL

A. IF REQUIRED TO AUGMENT EXISTING SOILS FOR LANDSCAPE AND TURF INSTALLATION, PROVIDE NEW, DEEP FILL MATERIAL AS PER USDA STANDARD TEXTURES AND THAT IS TAKEN FROM WELL-DRAINING LOCAL SOURCES WITH SIMILAR SOIL TYPES AS FOUND AT THE PROJECT SITE.

B. FILL TO BE SUITABLE FOR PLANT GROWTH, FRIABLE, AND FREE OF CLAY LUMPS, BRUSH, WEEDS, SEEDS, ROOTS, STUMPS, STONES, ORGANIC MUCK, HARD PAN CLAY, LITTER AND CONSTRUCTION DEBRIS INCLUDING LIMEROCK OR PAVING BASE MATERIAL, ASPHALT, AND CONCRETE, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH

C. FILL TO BE OF PH 5-6.5.

2.2 MULCH

A. MULCH SHALL BE AS INDICATED IN NOTES OR THE PLANT SCHEDULE AND TO BE FREE OF BRANCHES, CONES, AND DEBRIS.

2.3 COMMERCIAL FERTILIZER

A. FERTILIZER TYPE AND APPLICATION TIMING AND METHODS SHALL MEET ALACHUA COUNTY 'FERTILIZER STANDARDS AND MANAGEMENT PRACTICES', LDR ARTICLE IV., REQUIREMENTS. DO NOT APPLY FERTILIZER FROM JULY - FEBRUARY. APPLY FERTILIZER EITHER DURING THE PROJECT'S INSTALLATION OR DURING THE ESTABLISHMENT PERIOD, DEPENDING ON WHICH IS POSSIBLE RELATIVE TO THIS TIME PERIOD. IF IT IS ANTICIPATED THAT THE PROJECT WILL BE COMPLETED OUTSIDE OF THE SPECIFIED FERTILIZING WINDOW AND THAT FERTILIZING WON'T BE POSSIBLE, DISCUSS WITH THE OWNNER'S REPRESENTATIVE PRIOR TO INSTALLATION.

B. FERTILIZER MAY ONLY BE APPLIED WITHIN 10 FT. FROM ANY WETLAND OR BODY OF WATER FOR A PERIOD OF 90 DAYS FOLLOWING PLANTING. FOLLOWING THAT TIME PERIOD, FERTILIZING IN THIS AREA IS NOT ALLOWED.

C. FERTILIZERS APPLIED TO TURF AND/OR LANDSCAPE PLANTS SHALL BE FORMULATED AND APPLIED IN ACCORDANCE WITH DIRECTIONS PROVIDED BY RULE 5E-1.003, FLORIDA ADMINISTRATIVE CODE, LABELING REQUIREMENTS FOR URBAN TURF FERTILIZERS.

C.1. NITROGEN OR PHOSPHORUS FERTILIZER SHALL NOT BE APPLIED TO TURF OR LANDSCAPE PLANTS EXCEPT AS ALLOWED BY THIS RULE OR IF WITHIN UF/IFAS RECOMMENDATIONS FOR LANDSCAPE PLANTS, VEGETABLE GARDENS, AND FRUIT TREES AND SHRUBS, UNLESS A SOIL OR TISSUE DEFICIENCY HAS BEEN VERIFIED BY AN APPROVED TEST.

C.2. NO FERTILIZER CONTAINING PHOSPHORUS SHALL BE APPLIED TO TURF, SOD, LAWNS, OR LANDSCAPE PLANTS UNLESS A SOIL OR PLANT TISSUE DEFICIENCY IS VERIFIED BY A TESTING METHODOLOGY APPROVED BY THE UNIVERSITY OF FLORIDA, INSTITUTE OF FOOD AND AGRICULTURAL SCIENCES. IF A DEFICIENCY IS VERIFIED, THE APPLICATION OF FERTILIZER CONTAINING PHOSPHOROUS MUST ADHERE TO THE RATES AND DIRECTION FOR THE APPROPRIATE REGION OF FLORIDA, AS ADOPTED BY THE FLORIDA ADMINISTRATIVE CODE RULE.

C.3. FERTILIZERS CONTAINING NITROGEN APPLIED TO TURF OR LANDSCAPING PLANTS MUST CONTAIN NO LESS THAN 50 PERCENT SLOW RELEASE NITROGEN PER GUARANTEED ANALYSIS LABEL.

D. SHRUBS AND GROUNDCOVERS: IF PERMISSIBLE BY SECTION C. ABOVE, UTILIZE A ROOT STARTER OR EQUIVALENT SLOW RELEASE FERTILIZER TO ENCOURAGE ROOT GROWTH. APPLY AT MANUFACTURER'S RECOMMENDED RATE. ROOT STARTER SHALL BE A COMPLETE, SLOW RELEASE FERTILIZER WITH ORGANIC NITROGEN AND CONTAIN THE FOLLOWING PERCENTAGES OF AVAILABLE PLANT NUTRIENTS:

D.1. BETWEEN 5-6% TOTAL NITROGEN (N) CONSISTING OF 3.5-4.5% WATER INSOLUBLE/SLOW RELEASE NITROGEN AND 1.5% WATER SOLUBLE NITROGEN

D.2. BETWEEN 1-2% PHOSPHATE (P_2O_5)

D.3. BETWEEN 0.5-3% POTASH/POTASSIUM (K)

E. TURF: IF PERMISSIBLE BY SECTION C. ABOVE, PROVIDE FERTILIZER WITH NOT LESS THAN SIXTEEN (16) PERCENT TOTAL NITROGEN, FOUR (4) PERCENT AVAILABLE PHOSPHORIC ACID AND EIGHT (8) PERCENT SOLUBLE POTASH. APPLY AT MANUFACTURER'S RECOMMENDED RATE.

2.4 PLANT MATERIALS

A. PROVIDE SHRUBS AND GROUNDCOVERS OF SIZE, GENUS, SPECIES, AND VARIETY AS SHOWN IN THE PLANT SCHEDULE FOR LANDSCAPE WORK THAT CONFORM TO FLORIDA NO. 1 QUALITY STANDARDS.

B. PROVIDE HEALTHY, VIGOROUS STOCK GROWN IN A RECOGNIZED NURSERY IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICES AND FREE OF DISEASE, INSECTS, EGGS, LARVAE, AND DEFECTS SUCH AS KNOTS, SUN-SCALED, INJURIES, ABRASIONS, OR DISFIGUREMENT.

C. LANDSCAPE MATERIAL SHALL BE CONTAINER GROWN MATERIAL UNLESS OTHERWISE SPECIFIED OR UNLESS APPROVED BY THE OWNER'S REPRESENTATIVE.

2.5 SOD

A. PROVIDE SAND-GROWN ONLY, STRONGLY ROOTED SOD, NOT LESS THAN TWO YEARS OLD, FREE OF WEEDS AND UNDESIRABLE NATIVE GRASSES, AND MACHINE CUT TO PAD THICKNESS OF 3/4 INCH (PLUS OR MINUS 1/4 INCH), EXCLUDING TOP GROWTH AND THATCH. PROVIDE ONLY SOD CAPABLE OF VIGOROUS GROWTH AND DEVELOPMENT WHEN PLANTED. SOD SHALL BE VIABLE AND NOT DORMANT.

B. PROVIDE SOD OF UNIFORM PAD SIZES WITH A MAXIMUM 5% DEVIATION IN EITHER LENGTH OR WIDTH. BROKEN PADS OR PADS WITH UNEVEN ENDS WILL NOT BE ACCEPTABLE. SOD PADS INCAPABLE OF SUPPORTING THEIR OWN WEIGHT WHEN SUSPENDED VERTICALLY WITH A FIRM GRASP ON UPPER 10 PERCENT OF PAD WILL BE REJECTED.

C. STABILIZING NETTING OR OTHER SYNTHETIC MATERIALS WITHIN SOD SHALL BE PROHIBITED.

D. SOD TO BE AS LISTED WITHIN THE PLANT SCHEDULE.

E. REFER TO CIVIL PLANS FOR SOD TYPE AND INSTALLATION METHODS WITHIN STORMWATER FACILITIES.

2.6 WEED PRE-EMERGENT HERBICIDE

A. IF APPROVED BY OWNER, APPLY 'RON STAR G' PRE-EMERGENT HERBICIDE, OR APPROVED EQUAL IN PLANTING AREAS.

PART 3 - EXECUTION

3.1 PREPARATION

A. CONDUCT A PRE-CONSTRUCTION CONFERENCE ON SITE WITH THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF WORK. DISCUSS PROPOSED ACTIVITIES, REVIEW PROPOSED PLANTING AREAS, AND CONFIRM PROPOSED SCHEDULE OF WORK. PROVIDE ONE WEEK'S NOTICE OF PROPOSED CONFERENCE.

B. ENSURE ALL ASPHALT, LIMEROCK, AND OTHER CONSTRUCTION DEBRIS ARE REMOVED FROM AREAS OF PROPOSED PLANTING OR SODDING TO A MINIMUM DEPTH OF THREE FEET PRIOR TO INSTALLATION.

C. CLEAN EXISTING SOIL OF ROOTS, PLANTS, SODS, STONES, CLAY, LUMPS AND OTHER EXTRANEOUS MATERIALS HARMFUL OR TOXIC TO PLANT GROWTH.

D. PLANTING DEPTH OF SOIL SHALL BE A MINIMUM OF THREE (3) FEET. IF FILL MUST BE ADDED, IT SHALL CONFORM TO THE REQUIREMENTS LISTED ABOVE.

E. PLANTING AREAS SHALL NOT BE COMPACTED.

F. PLANTING AREAS SHALL BE WELL-DRAINING. IF SATURATED OR WET CONDITIONS EXIST IN PROPOSED PLANTING AREAS OR WITHIN PLANTING HOLES, DO NOT PLANT MATERIAL AND CONTACT LANDSCAPE ARCHITECT FOR DIRECTION.

G. GAIN APPROVAL FROM OWNER PRIOR TO WORK FOR REMOVAL OF EXISTING GRASS, VEGETATION, AND TURF BY METHODS OTHER THAN HAND REMOVAL. IF APPROVED, SPRAY AREAS WITH "ROUND-UP" OR OTHER APPROPRIATE HERBICIDE AND PERFORM ADDITIONAL SPRAY TREATMENTS AS NEEDED TO ENSURE A COMPLETE KILL. REMOVE AND DISPOSE OF RESULTING DEAD VEGETATION AND TURF. DO NOT TURN RESULTING DEAD VEGETATION OR TURF OVER INTO SOIL. REPEAT IF NECESSARY TO REMOVE EXISTING VEGETATION.

H. FOR TURF AREAS INDICATED FOR RENOVATION, MECHANICALLY CUT OUT AREAS OF FAILING TURF AND CREATE A CLEAN EDGE FOR NEW SOD INSTALLATION.

I. FINE GRADE PROPOSED PLANTING AND SOD AREAS TO SMOOTH, EVEN SURFACES WITH LOOSE, UNIFORMLY FINE TEXTURE AND FREE OF LUMPS, CLODS, STONES, ROOTS, AND OTHER EXTRANEOUS MATTER. ROLL, RAKE, AND DRAG AREAS, REMOVE RIDGES, AND FILL DEPRESSIONS AS REQUIRED TO MEET FINISH GRADES.

J. ALLOW FOR SOD THICKNESS IN AREAS TO BE SODDED SUCH THAT INSTALLED SOD MEETS FINISHED GRADES.

PART 3 - EXECUTION, CON'T

3.2 TREE BARRIERS AND EXISTING TREE PROTECTION

A. REFER TO NOTES ON DEMOLITION PLANS OR LANDSCAPE PLANS REGARDING TREE PROTECTION AND TREE PROTECTION BARRIERS.

B. MINIMIZE IMPACTS ON EXISTING TREE ROOTS AS MUCH AS POSSIBLE. AVOID TREE ROOT PLATE AREAS AS DEFINED BY PERMITTING AGENCIES.

C. ALL ROOTS OF TREES TO REMAIN THAT ARE IMMEDIATELY ADJACENT TO EXTENSIVE EXCAVATION AND ARE 1" DIAMETER OR OVER SHALL BE HAND CUT. EXPOSE ROOTS BY HAND DIGGING, HAND CUT OR SAW CLEANLY, AND IMMEDIATELY COVER WITH SOIL. DO NOT ALLOW CUT ROOTS TO DRY OUT.

D. SUPPLEMENTAL IRRIGATION IS REQUIRED FOR TREES THAT HAVE UNDERGONE ROOT PRUNING. PROVIDE SUPPLEMENTAL IRRIGATION IMMEDIATELY FOLLOWING PRUNING AND CONTINUE THROUGH CONSTRUCTION.

3.3 PLANTING

A. PLANT TREES, SHRUBS, AND GROUNDCOVER AFTER FINAL GRADES ARE ESTABLISHED AND PRIOR TO PLANTING OF LAWNS UNLESS OTHERWISE AUTHORIZED BY OWNER'S REPRESENTATIVE. IF PLANTING OF TREES AND SHRUBS OCCURS AFTER INSTALLATION OF LAWNS, PROTECT LAWN AREAS AND PROMPTLY REPAIR DAMAGE CAUSED BY LANDSCAPE INSTALLATION.

B. LAY OUT INDIVIDUAL PLANT LOCATIONS AND AREAS FOR MULTIPLE PLANTINGS. TRIANGLE SPACING SHALL BE USED FOR SHRUBS AND GROUNDCOVERS UNLESS OTHERWISE SPECIFIED IN PLANS OR BY OWNER'S REPRESENTATIVE. OUTLINE AREAS AND SECURE OWNER'S REPRESENTATIVE'S OR OWNER REPRESENTATIVE'S ACCEPTANCE BEFORE START OF PLANTING WORK. MAKE MINOR ADJUSTMENTS AS MAY BE REQUIRED.

C. EXCAVATE PITS, BEDS, AND TRENCHES SUCH THAT PITS ARE AS DEEP AS THE PLANT'S ROOTBALL AND 1.5 TIMES THE DIAMETER OF THE ROOTBALL. LOOSEN HARD SUBSOIL IN BOTTOM OF EXCAVATION. SCARIFY SIDES OF PIT.

D. FILL EXCAVATIONS FOR SHRUBS WITH WATER AND ALLOW WATER TO PERCOLATE OUT PRIOR TO PLANTING. NOTIFY OWNER'S REPRESENTATIVE OR OWNER'S REPRESENTATIVE PRIOR TO PLANTING IF PITS DO NOT DRAIN PRIOR TO PLANTING.

E. REMOVE PLANT MATERIAL FROM CONTAINER. LIFT TREES AND SHRUBS BY THE ROOTBALL AND NOT BY THE TRUNK OR MAIN STEM. SET PLANT MATERIAL STOCK IN CENTER OF PIT OR TRENCH WITH TOP OF BALL AT 1-2" ABOVE ADJACENT FINISH LANDSCAPE GRADES.

F. REMOVE ANY SYNTHETIC OR STRAPPING MATERIAL PRIOR TO SETTING PLANT MATERIAL INTO PLANTING PIT OR TRENCH.

G. ENSURE PLANT MATERIAL IS PLUMB.

H. PLACE BACKFILL AROUND BASE AND SIDES OF BALL AND WORK IN EACH LAYER TO SETTLE BACKFILL AND ELIMINATE VOIDS AND AIR POCKETS. ENSURE ROOTBALL REMAINS 1-2" ABOVE ADJACENT FINISH GRADE. WHEN EXCAVATION IS APPROXIMATELY 2/3 FULL, WATER THOROUGHLY BEFORE PLACING REMAINDER OF BACKFILL. REPEAT WATERING UNTIL NO MORE WATER IS ABSORBED. WATER AGAIN AFTER PLACING FINAL LAYER OF BACKFILL.

I. DISH TOP OF BACKFILL FOR TREES AND PALMS TO ALLOW FOR MULCHING.

J. ALL PLANT MATERIAL SHALL BE FERTILIZED AT THE TIME OF PLANTING ONLY IF THAT IS WITHIN THE ALLOWABLE FERTILIZING TIME WINDOW PER COUNTY CODE. MIX OR APPLY FERTILIZER ON TOP OF ROOTBALL AND NOT UNDER OR WITHIN PLANTING PITS. APPLY JUST INSIDE OF PLANT FOLIAGE/DRIPLINE AND NOT DIRECTLY ON STEMS OR EXPOSED ROOTS OF MATERIAL. MIX SPECIFIED FERTILIZERS WITH EXISTING SOIL AT RATES SPECIFIED BY THE MANUFACTURER. DELAY MIXING OF FERTILIZER IF PLANTING WILL NOT FOLLOW PLACING OF PLANTING SOIL WITHIN THREE (3) DAYS. DO NOT APPLY OR SPILL FERTILIZER ON IMPERVIOUS SURFACES- IMMEDIATELY CLEAN OFF AND/OR CONTAIN IF SO. DO NOT WASH, SWEEP, OR BLOW OFF EXCESS OR SPILLED FERTILIZER INTO DRAINS, STORMWATER DITCHES OR PONDS, OR OTHER WATER BODIES OR CONVEYANCE SYSTEMS.

K. APPLY PRE-EMERGENT HERBICIDE, IF APPROVED BY OWNER, AND AS PER MANUFACTURER'S SPECIFICATIONS.

L. MULCH PITS, TRENCHES, AND PLANTED AREAS. PROVIDE A THREE (3) INCH THICKNESS OF MULCH AND WORK ONTO TOP OF BACKFILL. THE FINISH LEVEL OF MULCH SHOULD MEET ADJACENT FINISH GRADES. MULCH AREAS BETWEEN GROUNDCOVER PLANTS.

M. WATER THOROUGHLY AFTER PLANTING, TAKING CARE NOT TO COVER CROWNS OF PLANTS WITH WET SOILS.

N. GUY AND STAKE TREES AND PALMS IMMEDIATELY AFTER PLANTING AS NEEDED.

3.4 SODDING NEW LAWNS

A. ENSURE GRADE IS SMOOTH AND EVEN WITH A LOOSE, UNIFORM TEXTURE. ROLL, RAKE AND DRAG PROPOSED LAWN AREAS, REMOVE RIDGES, AND FILL DEPRESSIONS AS REQUIRED TO MEET FINISH GRADES AND PROVIDE AN EVEN SURFACE FOR SOD INSTALLATION.

B. LAY SOD WITHIN 24 HOURS FROM TIME OF STRIPPING.

C. MOISTEN PREPARED LAWN AREAS BEFORE PLANTING IF SOIL IS DRY. WATER THOROUGHLY AND ALLOW SURFACE MOISTURE TO DRY BEFORE PLANTING LAWNS. DO NOT CREATE A MUDDY SOIL CONDITION.

D. APPLY SPECIFIED COMMERCIAL FERTILIZER IF WITHING THE ALLOWABLE FERTILIZING TIME WINDOW PER COUNTY CODE. APLY AT RATES SPECIFIED AND THOROUGHLY MIX INTO UPPER TWO INCHES OF SOIL IN AREAS OF PROPOSED SOD. DELAY APPLICATION OF FERTILIZER IF LAWN PLANTING WILL NOT FOLLOW WITHIN A FEW DAYS. SPREADER DEFLECTOR SHIELDS ARE REQUIRED WHEN FERTILIZING VIA ROTARY/BROADCAST SPREADERS. DO NOT APPLY OR SPILL FERTILIZER ON IMPERVIOUS SURFACES- IMMEDIATELY CLEAN OFF AND/OR CONTAIN IF SO. DO NOT WASH, SWEEP, OR BLOW OFF EXCESS OR SPILLED FERTILIZER INTO DRAINS, STORMWATER DITCHES OR PONDS, OR OTHER WATER BODIES OR CONVEYANCE SYSTEMS.

E. LAY SOD TO FORM A SOLID MASS WITH TIGHTLY FITTED JOINTS. BUTT ENDS AND SIDES OF SOD STRIPS. DO NOT OVERLAP. STAGGER STRIPS TO OFFSET JOINTS IN ADJACENT COURSES. TAP SOD FIRMLY IN PLACE ONCE LAID.

F. ANCHOR SOD ON SLOPES GREATER THAN 3:1 WITH WOOD PEGS TO PREVENT SLIPPAGE, IF NEEDED.

G. AVOID DAMAGE TO SUBGRADE OR SOD DUE TO INSTALLATION ACTIVITIES.

H. WATER SOD THOROUGHLY WITH A FINE SPRAY IMMEDIATELY AFTER PLANTING.

3.5 CLEANUP

A. MAINTAIN WORK AREAS IN AN ORDERLY CONDITION. KEEP PAVEMENTS AND ADJACENT SITE AREAS CLEAN. REMOVE ALL POTS, LITTER, TOOLS, EQUIPMENT, AND EXTRANEOUS SOIL, SOD, OR MATERIALS AT THE END OF EACH WORK DAY. STORE MATERIALS AND EQUIPMENT WHERE DIRECTED. DISPOSE OF MATERIALS AS DIRECTED.

3.6 NEW PLANT PROTECTION

A. PROTECT LANDSCAPE WORK AND MATERIALS FROM DAMAGE DURING CONSTRUCTION. MAINTAIN PROTECTION DURING INSTALLATION AND THROUGHOUT THE MAINTENANCE PERIOD. TREAT, REPAIR, OR REPLACE DAMAGED LANDSCAPE WORK AS DIRECTED.

B. TREES WHICH ARE TO REMAIN IN THE CONSTRUCTION AREA SHALL BE PROTECTED FROM DAMAGE THROUGHOUT THE CONSTRUCTION PROCESS BY THE CONTRACTOR.

C. DO NOT PERMIT HEAVY EQUIPMENT OR STOCKPILES WITHIN THE DRIP LINE OF EXISTING OR NEWLY PLANTED TREES. REMOVE INTERFERING BRANCHES WITHOUT INJURY TO TRUNKS.

3.7 MAINTENANCE

A. MAINTENANCE ACTIVITIES SHALL INCLUDE THE FOLLOWING ACTIVITIES DURING CONSTRUCTION AND UNTIL FINAL ACCEPTANCE:

1. WEEDING: MAINTAIN PLANTINGS AND TURF AS WEED FREE.
2. MULCHING: MAINTAIN MULCH AT TREES, PALMS, AND WITHIN PLANTING BEDS AT A 3" DEPTH.
3. PEST CONTROL: SPRAY AS REQUIRED TO KEEP PLANTINGS AND TURF FREE OF INSECTS AND DISEASE.
4. MOWING: MOW TURF AREAS AS NEEDED OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
5. REPLACEMENT: REPLACE PLANTS OR SOD AREAS THAT ARE IN POOR CONDITION.
6. LITTER REMOVAL: REMOVE LITTER AND DEBRIS FROM LANDSCAPE AND TURF AREAS.
7. RESTORE PLANTING SAUCERS OF TREES AND SHRUBS.
8. TIGHTEN AND REPAIR STAKE AND GUY WIRE SUPPORTS, IF PRESENT, AND RESET TREES AND SHRUBS TO PROPER GRADES OF VERTICAL POSITION AS REQUIRED.
9. REMOVE ALL TREE STAKING, IF PRESENT, WITHIN ONE YEAR AFTER PLANTING.

3.8 REPLACEMENT OF EXISTING LANDSCAPE DAMAGED DURING PROJECT

A. ANY EXISTING VEGETATION, INCLUDING TREES AND SHRUBS, DAMAGED OR DESTROYED SHALL BE REPLACED OR MITIGATED BY THE CONTRACTOR WITH LIKE SPECIES OR ANOTHER SPECIES APPROVED BY THE OWNER'S REPRESENTATIVE. ANY AREA OF VEGETATION THAT IS DAMAGED DURING CONSTRUCTION WILL BE RESTORED TO ITS ORIGINAL STATE WITHIN 72 HOURS OF THE COMPLETION OF THE ASSOCIATED CONSTRUCTION WORK.

B. IF REMOVAL OF AN EXISTING TREE REQUIRES MITIGATION, THE CONTRACTOR SHALL BE HELD LIABLE FOR THE COMPLETE COST, INCLUDING BUT NOT LIMITED TO TREE REPLACEMENT COSTS AND PAYMENTS REQUIRED TO PERMITTING AGENCIES.

C. TREE REPLACEMENT SPECIES AND PROCEDURES SHALL BE DISCUSSED WITH AND APPROVED BY THE OWNER'S REPRESENTATIVE AND OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF ACTIVITIES.

3.9 INSPECTION AND ACCEPTANCE

A. WHEN ALL LANDSCAPE WORK IS SUBSTANTIALLY COMPLETE, THE OWNER'S REPRESENTATIVE WILL, UPON REQUEST, MAKE A SUBSTANTIAL COMPLETION INSPECTION TO DETERMINE ACCEPTABILITY AND COMPLIANCE WITH THE CONTRACT DOCUMENTS. THE OWNER'S REPRESENTATIVE WILL PRODUCE A WRITTEN PUNCH LIST FOR THE CONTRACTOR AND OWNER'S REPRESENTATIVE TO IDENTIFY ITEMS THAT SHALL BE ADDRESSED PRIOR TO FINAL ACCEPTANCE.

B. ONCE ITEMS OF THE PUNCH LIST ARE ADDRESSED, THE OWNER'S REPRESENTATIVE WILL CONDUCT A FINAL COMPLETION INSPECTION. IF NECESSARY, THE OWNER'S REPRESENTATIVE WILL PRODUCE A FINAL PUNCH LIST FOR THE CONTRACTOR AND OWNER'S REPRESENTATIVE TO IDENTIFY ITEMS TO BE ADDRESSED PRIOR TO FINAL ACCEPTANCE.

C. FINAL ACCEPTANCE WILL NOT BE ISSUED UNTIL ALL PUNCH LIST ITEMS HAVE BEEN COMPLETED AND ACCEPTED BY THE OWNER AND ALL SUBMITTALS HAVE BEEN MADE.

D. WORK MAY BE INSPECTED FOR ACCEPTANCE IN PORTIONS AS PHASES OF INSTALLATION ARE COMPLETED AND AS AGREEABLE TO THE OWNER'S REPRESENTATIVE, PROVIDED EACH PORTION OF WORK OFFERED FOR INSPECTION IS SUBSTANTIALLY COMPLETE.

END OF SECTION

No.	REVISIONS	DATE	BY
	DESIGN DEVELOPMENT SUBMITTAL	05-21-24	-
	90% CONSTRUCTION DOCUMENTS	07-02-24	-
	SITE DEVELOPMENT REVIEW	09-06-24	-
	SITE DEVELOPMENT REVIEW	12-20-24	-
	SITE DEVELOPMENT REVIEW &		
	BID ADDENDUM NO. 1	01-22-25	-
	NOT FOR CONSTRUCTION	-	-

GAINESVILLE APPROVED
DATE: 02/13/25
LD24-000087 - Intermediate - Tom Petty Park Pickleball

Kimley»Horn

800 SW 2ND AVENUE, SUITE 100, GAINESVILLE, FL 32601
PHONE: 352-374-3274
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REGISTERED LANDSCAPE ARCHITECT CLAIRE ELISABETH MA... LA 6666722

DN: CN=Claire E Manley, dnQualifier=A01410C0000018DEB4EB47E00089328, O=KIMLEY-HORN AND ASSOCIATES INC, C=US
Date: 2025.01.22 16:05:58-05'00'

GAINESVILLE REVIEWED FOR CODE COMPLIANCE
SW25-000012 - SITE WORK - Tom Petty Park (LD24-000087)
02/28/25

KHA PROJECT 142107025
DATE JANUARY 2025
SCALE AS ...
DESIGNED
DRAWN
CHECKED

LANDSCAPE TECHNICAL SPECIFICATIONS

TOM PETTY PARK
PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

SHEET NUMBER
L2.04

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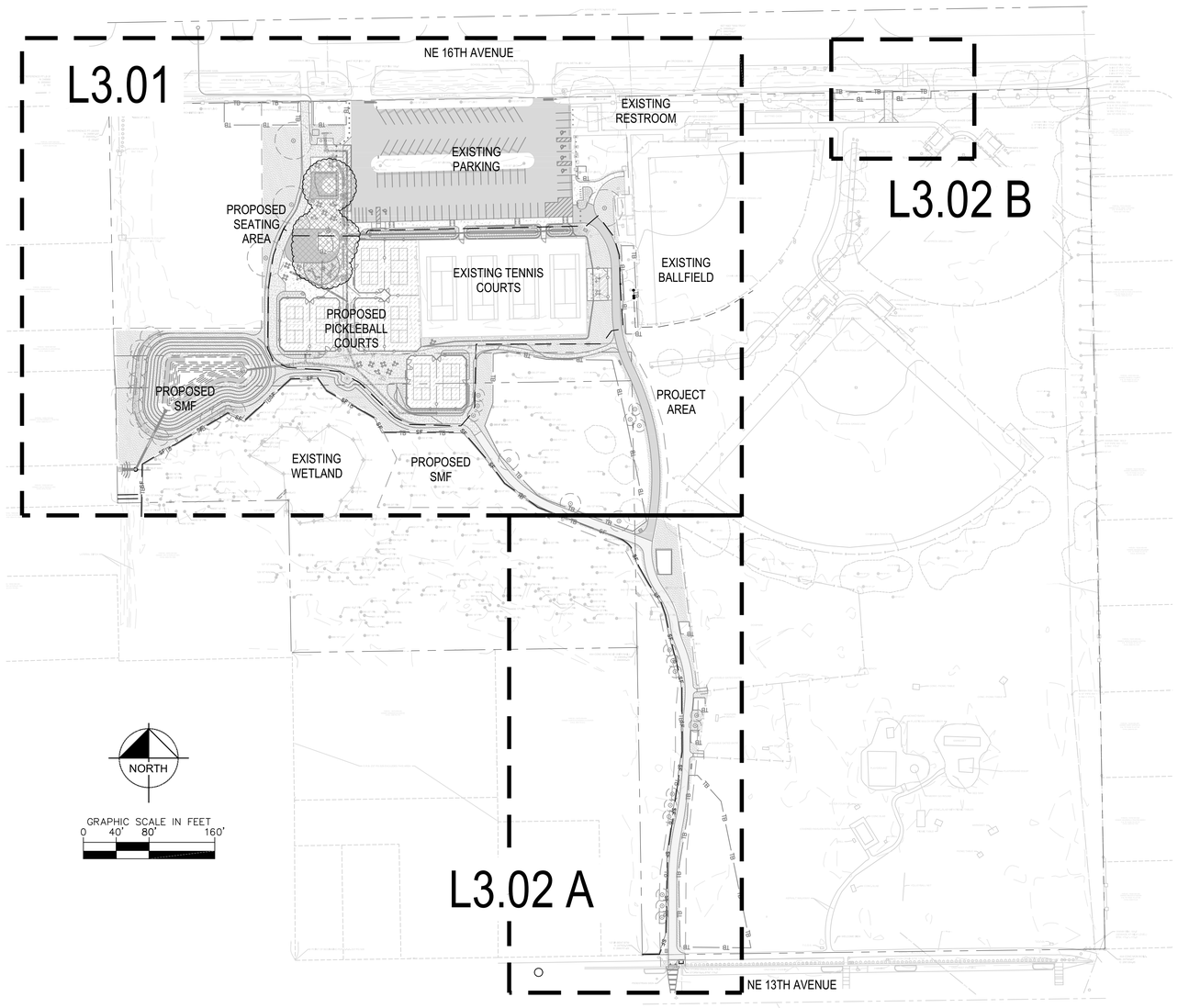

GENERAL IRRIGATION NOTES

1. THERE IS AN EXISTING IRRIGATION SYSTEM ON SITE THAT SERVES THE EXISTING BASEBALL FIELDS. IT IS SERVED BY A 4" WELL LOCATED BETWEEN THE NORTHERNMOST BASEBALL FIELDS, IS A TWO-WIRE SYSTEM, AND INCLUDES A 2" MAINLINE. AS-BUILT IRRIGATION PLANS WILL BE PROVIDED FOR REFERENCE AT THE PRECONSTRUCTION CONFERENCE. PROTECT EXISTING IRRIGATION DURING CONSTRUCTION.
2. THE POINT OF CONNECTION FOR THIS PROJECT'S IRRIGATION SYSTEM WILL BE THE EXISTING 2" MAINLINE OF THE EXISTING IRRIGATION SYSTEM, IN THE GENERAL LOCATION OF EXISTING VALVE NO.S 19-21 WEST OF THE MOST WESTERN BASEBALL FIELD.
3. PROPOSED TREES TO BE SERVED BY MICRO-SPRAYS, ONE PER TREE.
4. PROPOSED SHRUB, ORNAMENTAL GRASS, AND GROUNCOVER ARESA TO BE SERVED BY COPPER INFUSED DRIP-TUBING.
5. PROPOSED IRRIGATION IS A PERMANENT SYSTEM AND SERVES LESS THAN 50% OF THE TOTAL PERMEABLE AREA OF THE PROJECT AREA.
6. CONTRACTOR IS RESPONSIBLE FOR APPLYING, MANAGING, AND SUBMITTING FOR AN IRRIGATION PERMIT AT THE START OF CONSTRUCTION. REFERENCE ALACHUA COUNTY ENVIRONMENTAL PROTECTION DEPARTMENT REQUIREMENTS AND APPLY THROUGH THE ONLINE ALACHUA COUNTY IRRIGATION PROFESSIONAL PORTAL- SEE NOTES BELOW. THE IRRIGATION SYSTEM SHALL COMPLY WITH THE LANDSCAPE IRRIGATION DESIGN AND MAINTENANCE STANDARDS FOUND IN ALACHUA COUNTY LAND DEVELOPMENT CODE ARTICLE II OF PART II, TITLE 7, CHAPTER 79.61 OF THE ALACHUA COUNTY CODE, WHICH, AMONG ADDITIONAL DESIGN STANDARDS, REQUIRES THE FOLLOWING. FOR MORE INFORMATION, CONTACT THE ALACHUA COUNTY ENVIRONMENTAL PROTECTION DEPARTMENT AT 352-264-6800. IRRIGATION ZONES SHALL BE DIVIDED ACCORDING TO VEGETATED GROUPINGS AND PLANT WATER REQUIREMENTS.
   - SPRINKLER SPRAYHEADS AND ROTORS WILL NOT BE PLACED IN THE SAME ZONE.
   - A FUNCTIONING SOIL MOISTURE SENSOR AND A RAINFALL SHUT-OFF DEVICE/RAIN SENSOR WILL BE INCLUDED.
   - TURF WILL NOT BE IRRIGATED.
   - ALL HEADS WILL BE INSTALLED A MIN. OF 6" FROM PAVEMENT EDGES, 24" FROM STRUCTURES, AND SHALL PROVIDE HEAD-TO-HEAD COVERAGE WITHOUT OVERSPRAY ON ADJACENT PAVED SURFACES.

   SEE https://www.alachuacounty.us/depts/epd/waterresources/waterconservation/pages/irrigation-efficiency-design-and-maintenance-code.aspx

KNOW WHAT'S BELOW
ALWAYS CALL 811 BEFORE YOU DIG
It's fast, it's free, it's the law.
Call 811 two business days before digging

No.	REVISIONS	DATE	BY
	DESIGN DEVELOPMENT SUBMITTAL	05-21-24	--
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	SITE DEVELOPMENT REVIEW	12-20-24	--
	SITE DEVELOPMENT REVIEW & BID ADDENDUM NO. 1	01-22-25	--
	NOT FOR CONSTRUCTION	--	--

GAINESVILLE APPROVED
DATE: 02/13/25
LD24-000087 - Intermediate - Tom Retty Park Pickleball

GAINESVILLE REVIEWED FOR CODE COMPLIANCE
SW25-000012 - SITE WORK - Tom Petty Park (LD24-000087)
02/28/25

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REGISTERED LANDSCAPE ARCHITECT CLAIRE ELISABETH MARIE LA 6666722 STATE OF FLORIDA

DN: CN=Claire Elisabeth Marie
dn:QualifierA0141000000160E64E5A7C6F4812
O=KIMLEY-HORN AND ASSOCIATES IN
Date: 2025.01.22 16:26:00-05'0

KHA PROJECT	142107025
DATE	JANUARY 2025
SCALE	AS
DESIGNED	
DRAWN	
CHECK	

OVERALL IRRIGATION PLAN AND NOTES

TOM PETTY PARK
PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

SHEET NUMBER
L3.00

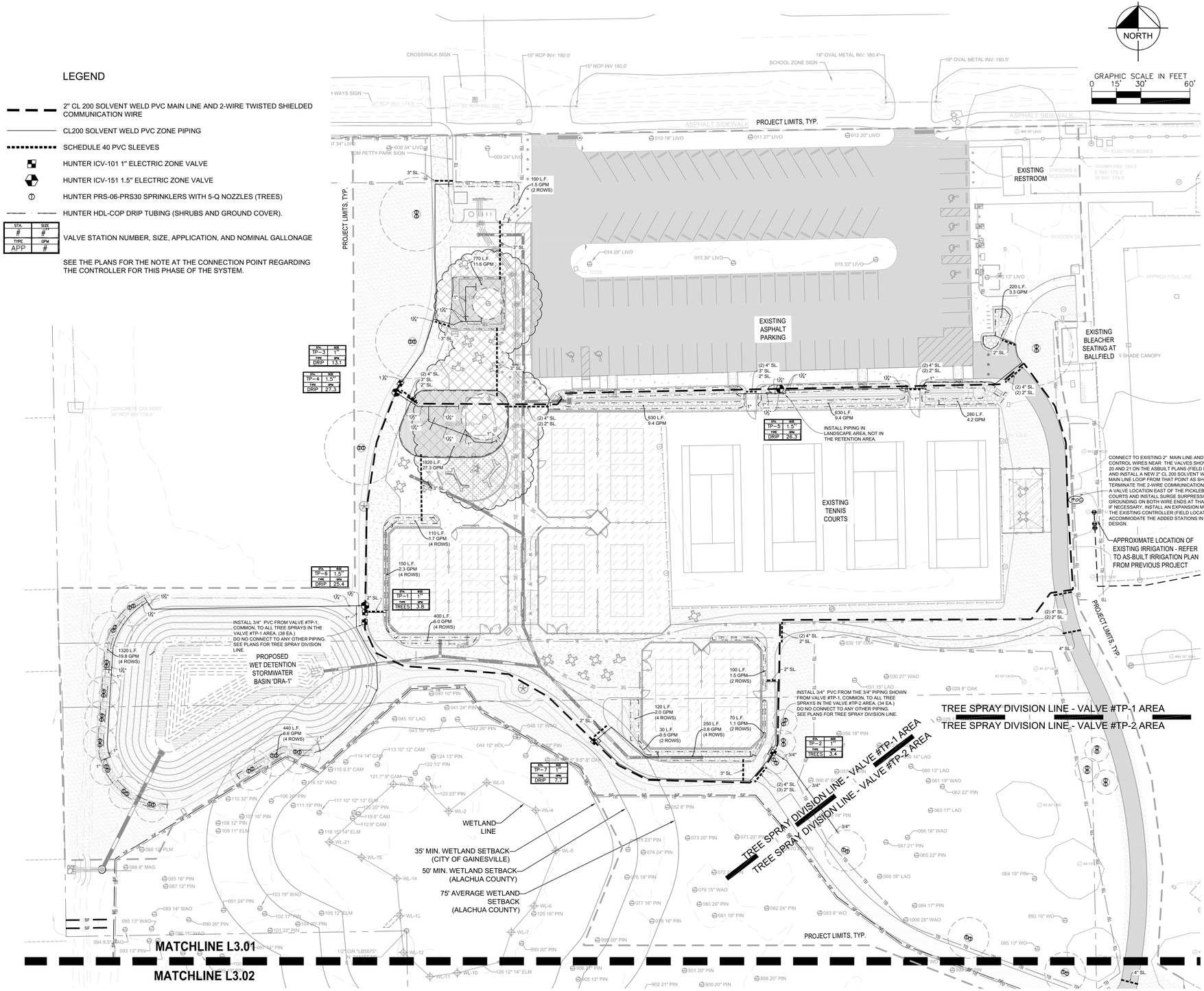
LEGEND

- 2" CL 200 SOLVENT WELD PVC MAIN LINE AND 2-WIRE TWISTED SHIELDED COMMUNICATION WIRE
- CL200 SOLVENT WELD PVC ZONE PIPING
- SCHEDULE 40 PVC SLEEVES
- HUNTER ICV-101 1" ELECTRIC ZONE VALVE
- HUNTER ICV-151 1.5" ELECTRIC ZONE VALVE
- HUNTER PRS-06-PRS30 SPRINKLERS WITH 5-Q NOZZLES (TREES)
- HUNTER HDL-COP DRIP TUBING (SHRUBS AND GROUND COVER).

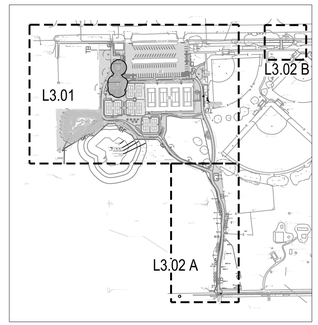
STA.	SIZE
#	#"
TYPE	GPM
APP	#

VALVE STATION NUMBER, SIZE, APPLICATION, AND NOMINAL GALLONAGE

SEE THE PLANS FOR THE NOTE AT THE CONNECTION POINT REGARDING THE CONTROLLER FOR THIS PHASE OF THE SYSTEM.



KEY PLAN



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	SITE DEVELOPMENT REVIEW	12-20-24	--
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GAINESVILLE APPROVED
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LD24-000087 - Intermediate - Tom Petty Park Pickleball

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800 SW 2ND AVENUE, SUITE 100, GAINESVILLE, FL 32601
PHONE: 352-374-3274
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REGISTERED LANDSCAPE ARCHITECT CLAIRE ELISABETH HAZEL LA 6666722

DN: C=US, E=claire.hazel@kimley-horn.com, O=KIMLEY-HORN AND ASSOCIATES INC., CN=CLAIRE ELISABETH HAZEL
Date: 2025.01.15 09:22:09-05'00'

GAINESVILLE REVIEWED FOR CODE COMPLIANCE
SW25-000012 - SITE WORK - Tom Petty Park (LD24-000087)
02/28/25

KHA PROJECT	142107025
DATE	JANUARY 2025
SCALE	AS SHOWN
DESIGNED	BJH
DRAWN	BJH
CHECKED	CEH

IRRIGATION PLAN

TOM PETTY PARK
PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

SHEET NUMBER
L3.01

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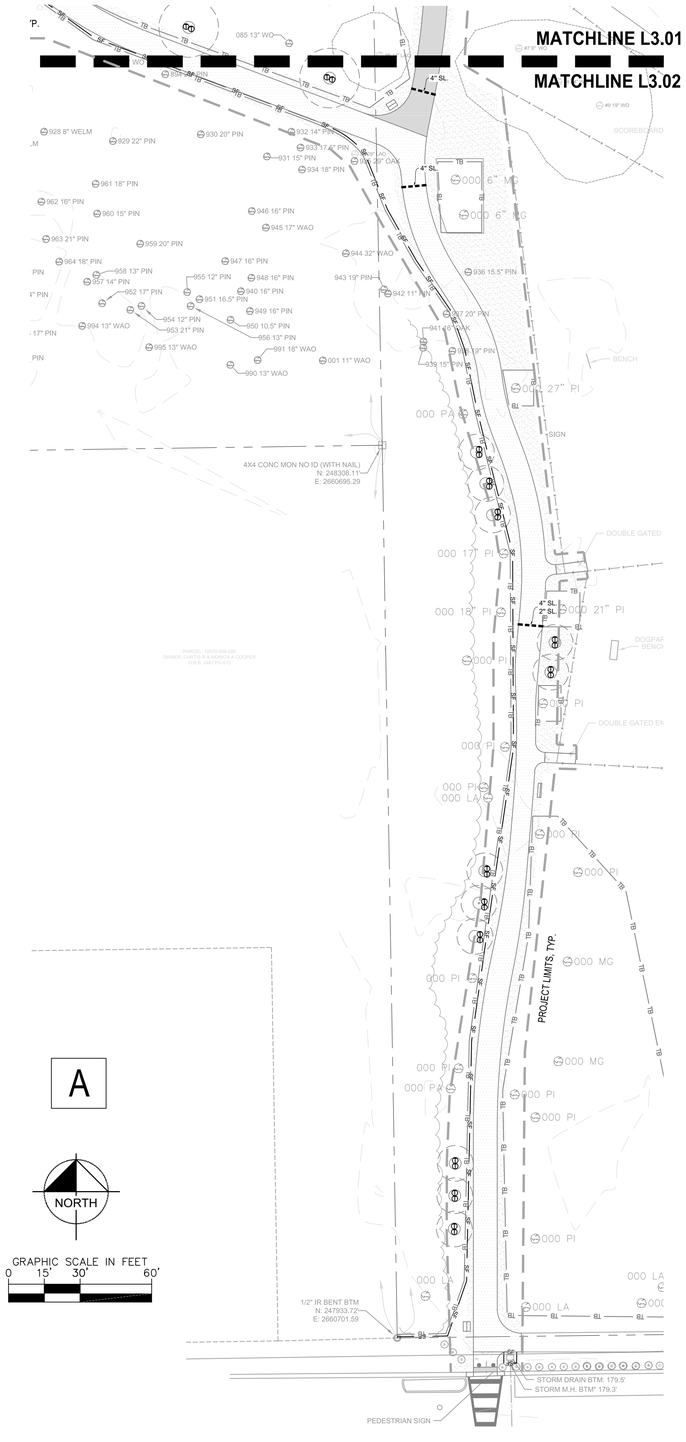

A

NORTH

GRAPHIC SCALE IN FEET
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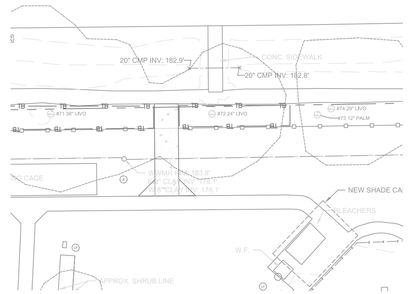
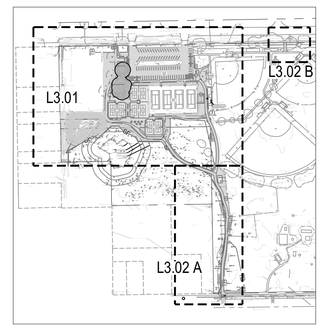


B

NORTH

GRAPHIC SCALE IN FEET
0 15' 30' 60'

KEY PLAN



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02/28/25

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REGISTERED LANDSCAPE ARCHITECT
CLAIRE ELIGABETH MAHER
LA 6666722
STATE OF FLORIDA

DN: CN=Claire E Maher, O=KIMLEY-HORN AND ASSOCIATES, INC., OU=FLORIDA, E=claire.maher@kimley-horn.com, C=US
Date: 2025.01.22 11:13:57-05'00'

KHA PROJECT	142107025
DATE	JANUARY 2025
SCALE	AS SHOWN
DESIGNED	CEM
DRAWN	CEM
CHECKED	CEM

IRRIGATION PLAN

TOM PETTY PARK
PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

SHEET NUMBER
L3.02

ANY IRRIGATION ITEMS NORMALLY INSTALLED IN LANDSCAPE AREAS THAT ARE SHOWN OUTSIDE OF LANDSCAPE AREAS OR OUTSIDE OF THE PROPERTY LINES ARE SHOWN AS SUCH FOR GRAPHIC CLARITY ONLY. INSTALL THESE ITEMS INSIDE OF PROPERTY LINES AND IN LANDSCAPE AREAS.

PROVIDE PROOF TO THE LANDSCAPE ARCHITECT THAT ALL AVAILABLE MAINTENANCE MANUALS FOR EACH OF THE PRODUCTS INCLUDED IN THIS INSTALLATION HAVE BEEN PROVIDED TO THE OWNER OR OWNER'S REPRESENTATIVE.

ANY EXISTING TREE ROOTS, WHEN ENCOUNTERED DURING INSTALLATION OF UTILITIES, SHALL BE CUT OFF EVENLY WITH CLEAN SHARP PRUNING TOOLS AND COVERED WITH SOIL AS SOON AS POSSIBLE TO REDUCE DEHYDRATION. THE CONTRACTOR/DEVELOPER SHALL MINIMIZE THE DAMAGE TO EXISTING TREE ROOT SYSTEMS.

INSTALL THE SYSTEM IN ACCORDANCE WITH THE LOCAL CODES REGARDING IRRIGATION SYSTEMS.

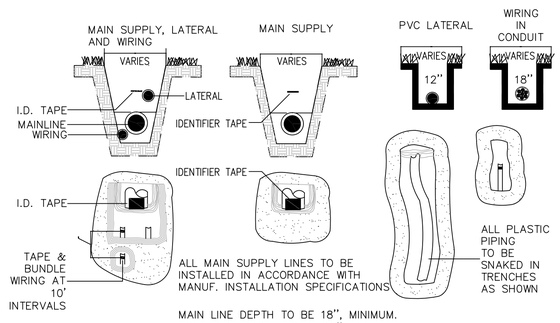
CONNECT TO THE REDUCED PRESSURE BACKFLOW PREVENTER STUBOUT AS THE POINT OF CONNECTION.

INSTALL COMMUNICATION WIRE FROM THE CONTROLLER WITH ALL MAIN LINE IN ALL DIRECTIONS FROM THE CONTROLLER.

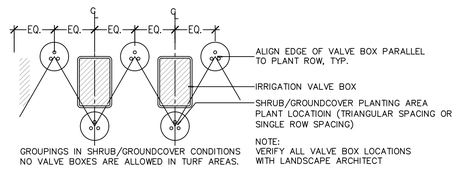
GROUND THE CONTROLLER LOCATION, ALL ENDS OF THE COMMUNICATION WIRING AND AT LOCATIONS AND DISTANCES PER MANUFACTURER'S RECOMMENDATIONS.

PIPING DOWNSTREAM OF THE LAST MARKED PIPE MAY BE INSTALLED AS 3/4" PVC.

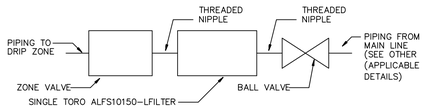
1 GENERAL IRRIGATION NOTES
N.T.S.



2 PIPE AND WIRE TRENCH CONFIGURATION
NTS



3 TYPICAL VALVE BOX GROUPING
NTS



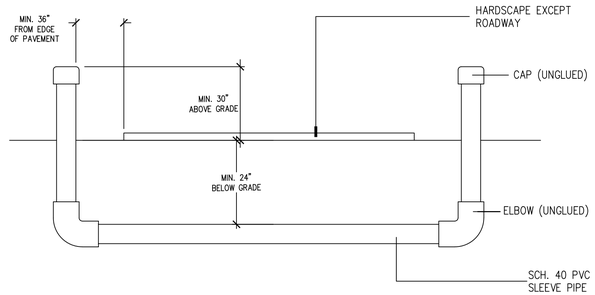
NOTES:

INSTALL A SEPARATE VALVE BOX FOR EACH VALVE AND FILTER.
(3) JUMBO VALVE BOXES

INSTALL THE FILTER IN ORIENTATION THAT ALLOWS REMOVAL OF CAP FOR FLUSHING (UPWARD)

INSTALL FILTRATION ON ALL DRIP TUBING ZONES.

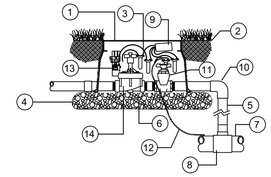
4 VALVE W/ FILTER SCHEMATIC
NTS



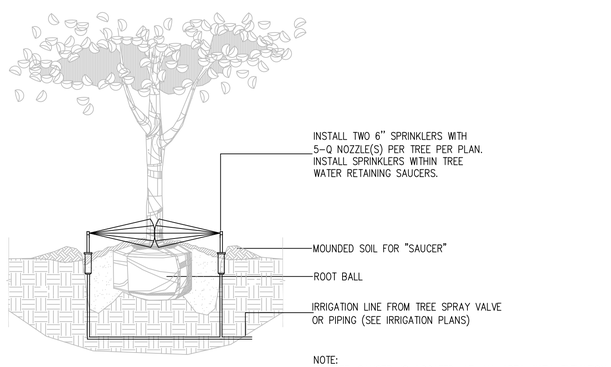
5 SLEEVE DETAIL
NTS

TWO-WIRE APPLICATIONS

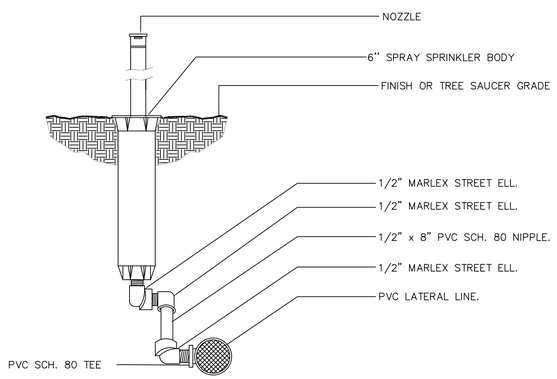
1. PURPLE VALVE BOX WITH LID FLUSH WITH FINISHED GRADE
2. FINISHED GRADE
3. TWO-WIRE SPLICE KIT (1) OF (4)
4. FILTER FABRIC
5. SCH-80 NIPPLE (1) OF (4), LENGTH AS REQUIRED
6. 6-INCH THICK LAYER OF WASHED 3/4" GRAVEL.
7. MAINLINE, SEE SPECIFICATIONS FOR TYPE
8. MAINLINE TAP, SEE NOTE ON PLANS FOR TYPE.
9. HUNTER DECODER
10. SCH-80 ELBOW
11. NIBCO T-113 GATE VALVE, SAME SIZE AS SOLENOID VALVE
12. TWISTED SHIELDED CABLE
13. HUNTER PRESSURE REGULATOR
14. HUNTER ICV VALVE



6 HUNTER ICV-101/151 ASSEMBLY PIPE CONNECTIONS
NTS WITH GATE VALVE



7 TREE SPRAY PLACEMENT
NTS



8 TREE SPRAY HEAD ASSEMBLY PIPING AND CONNECTIONS
NTS 6" Pop-Up Sprinklers

No.	REVISIONS	DATE	BY
	DESIGN DEVELOPMENT SUBMITTAL	05-21-24	--
	90% CONSTRUCTION DOCUMENTS	07-02-24	--
	SITE DEVELOPMENT REVIEW	09-06-24	--
	SITE DEVELOPMENT REVIEW	12-20-24	--
	SITE DEVELOPMENT REVIEW & BID ADDENDUM NO. 1	01-22-25	--
	NOT FOR CONSTRUCTION	--	--

GAINESVILLE APPROVED
DATE: 02/13/25
LD24-000087 - Intermediate - Tom Retty Park Pickleball

Kimley»Horn
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PHONE: 352-374-3274
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ON: CN=Claire E Marsh
dnQualifier=A01410C000001903E9A5A7E1B0002
O=KIMLEY-HORN AND ASSOCIATES INC, C=US
Date: 2025.01.22 16:42:29-05'00'

REGISTERED LANDSCAPE ARCHITECT CLAIRE ELISABETH MARSH LA 6666722 STATE OF FLORIDA

GAINESVILLE REVIEWED FOR CODE COMPLIANCE
SW25-000012 - SITE WORK - Tom Petty Park (LD24-000087)
02/28/25

KHA PROJECT 142107025
DATE JANUARY 2025
SCALE AS
DESIGNED
DRAWN
CHECK

IRRIGATION DETAILS AND NOTES

TOM PETTY PARK
PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

SHEET NUMBER
L3.03

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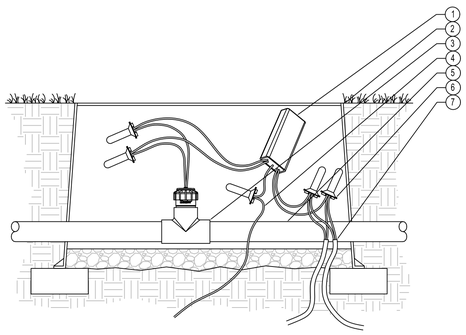
XREFS: dBorder-142107025 sm-address-pr drawingdata xSurvey-142107025 dBase-142107025 xBorder_Reference xTopo-142107025 xSite-142107025 xUtilities-142107025 xLandscape-142107025 xIrrigation-142107025 xLighting-142107025 xStructure-142107025 xWalls-142107025



LEGEND:

1. ICD-SENSOR DECODER PER PLAN
2. FINISHED GRADE
3. FLOW SENSOR PER PLAN
4. TO EARTH GROUND
5. PVC MAIN LINE
6. DBR/Y-6
7. JACKETED ID WIRE PATH

NOTE
EARTH GROUND TO BE A MINIMUM OF 8' AWAY FROM DUAL-S AND AT A RIGHT ANGLE TO THE TWO WIRE PATH

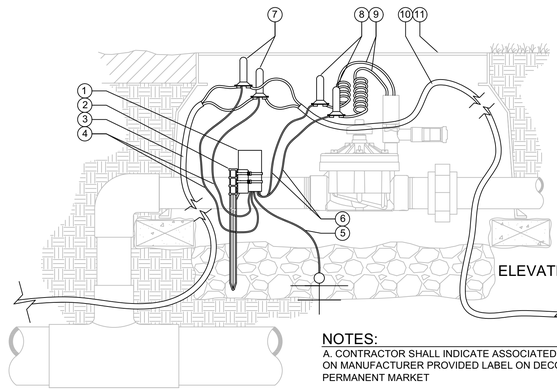
1 ICD-SENSOR DECODER

Hunter C.ICD.07

NOT TO SCALE

LEGEND:

1. HUNTER DECODER (ICD-100) PER PLAN
2. HUNTER DECODER STAKE (DECRSTAKE-10) DRIVEN INTO VALVE BOX BASE TO SECURE DECODER IN PLACE WITH BOTTOM OF DECODER FACING UP AND FASTENED TO STAKE USING TWO (2) ZIP TIES
3. INCOMING HUNTER JACKETED IDWIRE PATH PER PLAN WITH 36-IN [1-M] TOTAL LOOP OF SLACK WIRE, MEASURED FROM TOP OF VALVE BOX, NEATLY COILED INSIDE VALVE BOX
4. RED AND BLUE WIRES FROM DECODER TO IDWIRE SPLICES
5. BARE COPPER GROUND WIRE FROM DECODER TO GROUNDING DEVICE, SEE PLAN FOR GROUND LOCATIONS AND TYPE
6. STATION WIRE FROM DECODER OUTPUT TO VALVE SOLENOID WIRES
7. IDWIRE PATH SPLICE WITH DECODER OUTPUT USING 3M DBRY/6 INSTALLED PER MANUFACTURERS INSTRUCTIONS
8. VALVE SOLENOID WIRE SPLICE WITH DECODER OUTPUT USING 3M DBRY/6 INSTALLED PER MANUFACTURERS INSTRUCTIONS
9. VALVE SOLENOID WIRE WITH 18-IN [45-CM] COIL TO SPLICE WITH DECODER OUTPUT
10. OUTGOING HUNTER JACKETED IDWIRE PATH PER PLAN WITH 36-IN [1-M] TOATL LOOP OF SLACK WIRE, MEASURED FROM TOP OF VALVE BOX, NEATLY COILED INSIDE VALVE BOX
11. IRRIGATION VALVE, VALVE BOX AND RELATED ITEMS PER IRRIGATION PLAN AND DETAILS



NOTES:

A. CONTRACTOR SHALL INDICATE ASSOCIATED VALVE NUMBER(S) ON MANUFACTURER PROVIDED LABEL ON DECODER WITH PERMANENT MARKET

B. CONTRACTOR SHALL LOCATE SPLICE WITH IDWIRE AND DECODER OUTPUT IN THE MIDDLE OF 36-IN[1-M] ID WIRE LOOP IN VALVE BOX

C. CONTRACTOR SHALL CONNECT BARE COPPER GROUND WIRE FROM DECODER OUTPUT TO GROUND DEVICE WIRE USING ERICO PG11L KIT PER MANUFACTURES INSTRUCTIONS

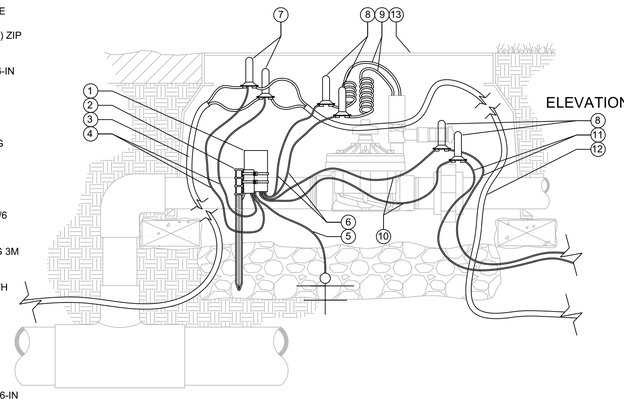
2 REMOTE CONTROL VALVE WITH DECODER OUTPUT MODULE (ICD-100)

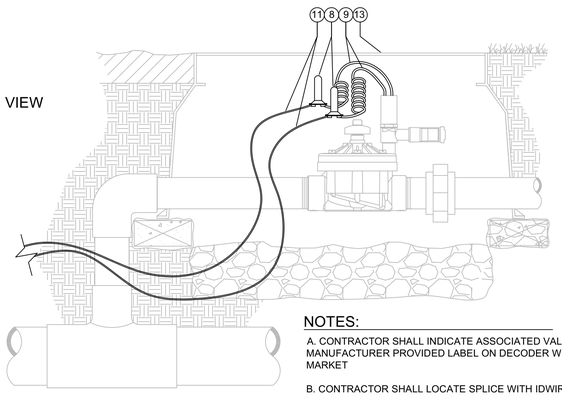
Hunter V.ICD.01

NOT TO SCALE

LEGEND:

1. HUNTER DECODER (ICD-200) PER PLAN
2. HUNTER DECODER STAKE (DECRSTAKE-10) DRIVEN INTO VALVE BOX BASE TO SECURE DECODER IN PLACE WITH BOTTOM OF DECODER FACING UP AND FASTENED TO STAKE USING TWO (2) ZIP TIES
3. INCOMING HUNTER JACKETED IDWIRE PATH PER PLAN WITH 36-IN [1-M] TOTAL LOOP OF SLACK WIRE, MEASURED FROM TOP OF VALVE BOX, NEATLY COILED INSIDE VALVE BOX
4. RED AND BLUE WIRES FROM DECODER TO IDWIRE SPLICES
5. BARE COPPER GROUND WIRE FROM DECODER TO GROUNDING DEVICE, SEE PLAN FOR GROUND LOCATIONS AND TYPE
6. STATION WIRE FROM DECODER OUTPUT TO VALVE SOLENOID WIRES
7. IDWIRE PATH SPLICE WITH DECODER OUTPUT USING 3M DBRY/6 INSTALLED PER MANUFACTURERS INSTRUCTIONS
8. VALVE SOLENOID WIRE SPLICE WITH DECODER OUTPUT USING 3M DBRY/6 INSTALLED PER MANUFACTURERS INSTRUCTIONS
9. VALVE SOLENOID WIRE WITH 18-IN [45-CM] COIL TO SPLICE WITH DECODER OUTPUT
10. STATION WIRE FROM DECODER OUTPUT TO VALVE SOLENOID WIRES IN A SEPARATE VALVE BOX
11. WIRE CONNECTION FROM DECODER OUTPUT TO SEPARATE SOLENOID SHALL BE 14 AWG, TYPE PE
12. OUTGOING HUNTER JACKETED IDWIRE PATH PER PLAN WITH 36-IN [1-M] TOATL LOOP OF SLACK WIRE, MEASURED FROM TOP OF VALVE BOX, NEATLY COILED INSIDE VALVE BOX
13. IRRIGATION VALVE, VALVE BOX AND RELATED ITEMS PER IRRIGATION PLAN AND DETAILS





NOTES:

A. CONTRACTOR SHALL INDICATE ASSOCIATED VALVE NUMBER(S) ON MANUFACTURER PROVIDED LABEL ON DECODER WITH PERMANENT MARKET

B. CONTRACTOR SHALL LOCATE SPLICE WITH IDWIRE AND DECODER OUTPUT IN THE MIDDLE OF 36-IN[1-M] ID WIRE LOOP IN VALVE BOX

C. CONTRACTOR SHALL CONNECT BARE COPPER GROUND WIRE FROM DECODER OUTPUT TO GROUND DEVICE WIRE USING ERICO PG11L KIT PER MANUFACTURES INSTRUCTIONS

D. 14 AWG PE WIRE DISTANCE FROM OUTPOUT SOLENOID TO SOLENOID IN SEPARATE VALVE BOX SHALL NOT EXCEED 150-FT [45-M]

3 REMOTE CONTROL VALVE WITH MULTI-STATION DECODER OUTPUT MODULE (ICD-200)

Hunter V.ICD.02

NOT TO SCALE

No.	REVISIONS	DATE	BY
	DESIGN DEVELOPMENT SUBMITTAL	05-21-24	--
	90% CONSTRUCTION DOCUMENTS	07-02-24	--
	SITE DEVELOPMENT REVIEW	09-06-24	--
	SITE DEVELOPMENT REVIEW	12-20-24	--
	SITE DEVELOPMENT REVIEW & BID ADDENDUM NO. 1	01-22-25	--
	NOT FOR CONSTRUCTION	--	--

GAINESVILLE APPROVED
DATE: 02/13/25
LD24-000087 - Intermediate - Tom Retty Park Pickleball

Kimley»Horn
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800 SW 2ND AVENUE, SUITE 100, GAINESVILLE, FL 32601
PHONE: 352-374-3274
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

Dn: CN=Chris E Manley
dnQualifier=A01410C00001BDE8ED1B7000B0028,
O=KIMLEY-HORN AND ASSOCIATES INC, C=US
Date: 2025.01.22 13:43:55-05'00'

REGISTERED LANDSCAPE ARCHITECTURE CHRISTINE ELISABETH MANLEY LA 6666722 STATE OF FLORIDA

GAINESVILLE REVIEWED FOR CODE COMPLIANCE
SW25-000012 - SITE WORK - Tom Petty Park (LD24-000087)
02/28/25

KHA PROJECT 142107025
DATE JANUARY 2025
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IRRIGATION DETAILS

TOM PETTY PARK
PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
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GAINESVILLE FLORIDA

SHEET NUMBER
L3.04

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LEGEND:

1. IRRIGATION REMOTE CONTROL VALVE, VALVE BOX, AND DECODER PER PLAN
2. IRRIGATION MAINLINE AND LATERAL PER PLAN
3. TWO-WIRE PATH PER PLAN
4. 15-FT [4.5-M] PRE-WELDED #6 AWG INSULATED GREEN-YELLOW WIRE (PAIGE ELECTRIC PART # 1820007IC6) CONNECTED TO DECODER USING ERICO PG11L KIT PER MANUFACTURES SPECIFICATIONS
5. GROUND ROD SHALL BE 5/8-IN [15-MM] DIAMETER X 8-FT [1.2-M] LONG COPPER CLAD STEEL GROUND RODS WITH 15-FT [4.5-M] PRE-WELDED #6 AWG INSULATED GREEN-YELLOW WIRE (PAIGE ELECTRIC PART # 1820001IC6) 6-IN [15-CM]
6. ROUND VALVE BOX WITH 'GR' HEAT WELDED ON LID IN 2-IN [5-CM] LETTERS
7. MIRAFI 180N FILTER FABRIC
8. SPHERE OF INFLUENCE BOUNDARY SPANNING 8-FT [2.5-M] IN ALL DIRECTIONS IN EARTH FROM GROUND ROD
9. FINISHED GRADE

NOTES:

A. CONTRACTOR SHALL INSTALL GROUNDING IN ACCORDANCE TO MANUFACTURERS SPECIFICATIONS AND LOCAL CODES AND REQUIREMENTS

B. SPHERE OF INFLUENCE SHALL REMAIN FREE AND CLEAR OF WIRES, CABLES, ELECTRONIC EQUIPMENT, AND ANY EQUIPMENT THAT MAY BE DAMAGED DURING AN ELECTRICAL SURGE EVENT

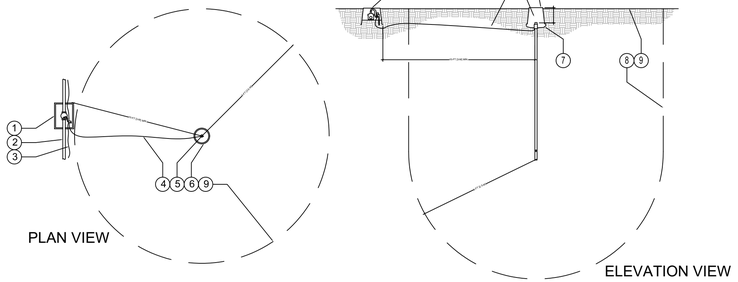
C. GROUND ROD SHALL BE DRIVEN INTO THE GROUND IN A VERTICAL POSITION OR AN OBLIQUE ANGLE NOT TO EXCEED 45 DEGREES AT A LOCATION 10-FT [3-M] FROM THE ELECTRONIC EQUIPMENT, THE GROUND PLATE, OR THE WIRES AND CABLES CONNECTED TO EQUIPMENT BEING GROUNDED

D. CONTRACTOR SHALL INSURE 10HMS OR LESS RESISTANCE BETWEEN GROUND ROD AND CONTROLLER; MULTIPLE GROUND CONNECTIONS MAY BE NEEDED TO ACHIEVE 10 OHMS OR LESS RESISTANCE

E. CONTRACTOR SHALL INSTALL GROUNDING CIRCUIT COMPONENTS IN STRAIGHT LINES AVOIDING SHARP TURNS

F. CONTRACTOR SHALL JOIN BARE COPPER WIRES USING ERICO PG11L KIT PER MANUFACTURES SPECIFICATIONS

G. CONTRACTOR SHALL INSTALL EARTH GROUND ROD AT 90° ANGLE FROM DIRECTION OF TWO-WIRE PATH



1 GROUND ROD AT DECODER

Hunter GR.05 — NOT TO SCALE

LEGEND:

1. IRRIGATION REMOTE CONTROL VALVE, VALVE BOX, AND DECODER PER PLAN
2. IRRIGATION MAINLINE AND LATERAL PER PLAN
3. TWO-WIRE PATH PER PLAN
4. 15-FT [4.5-M] PRE-WELDED #6 AWG INSULATED GREEN-YELLOW WIRE (PAIGE ELECTRIC PART # 1820007IC6) CONNECTED TO DECODER USING ERICO PG11L KIT PER MANUFACTURES SPECIFICATIONS
5. GROUND PLATE SHALL BE 4-IN [10-CM] X 3-FT [1-M] X 0.0625-IN [1.5-MM] SOLID COPPER GROUNDING PLATE, WITH 15-FT [4.5-M] CONTINUOUS LENGTH OF 10 AWG, GREEN INSULATED, WITH EXTRUDED YELLOW STRIPE, SOLID BARE COPPER WIRE IS WELDED TO THE PLATE (PAIGE ELECTRIC 182201IC)
6. ONE 50-LB [22.6-KG] BAG OF POWERSET EARTH CONTACT MATERIAL (PAIGE ELECTRIC 1820058) FOR POROUS SOILS OR ONE 50-LB [22.6-KG] BAG OF POWERFILL EARTH CONTACT MATERIAL (PAIGE ELECTRIC 1820059) FOR NON-POROUS SOILS INSTALLED TO INSURE 100% COVERAGE OF GROUND PLATE
7. SPHERE OF INFLUENCE BOUNDARY
8. FINISHED GRADE

NOTES:

A. CONTRACTOR SHALL INSTALL GROUNDING IN ACCORDANCE TO MANUFACTURERS SPECIFICATIONS AND LOCAL CODES AND REQUIREMENTS

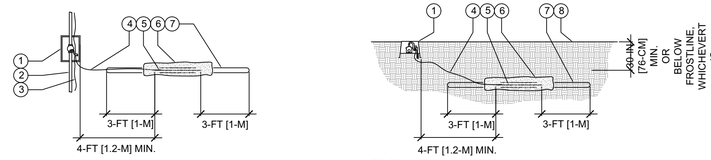
B. SPHERE OF INFLUENCE SHALL REMAIN FREE AND CLEAR OF WIRES, CABLES, ELECTRONIC EQUIPMENT, AND ANY EQUIPMENT THAT MAY BE DAMAGED DURING AN ELECTRICAL SURGE EVENT

C. CONTRACTOR SHALL INSURE 10HMS OR LESS RESISTANCE BETWEEN GROUND ROD AND CONTROLLER; MULTIPLE GROUND CONNECTIONS MAY BE NEEDED TO ACHIEVE 10 OHMS OR LESS RESISTANCE

D. CONTRACTOR SHALL INSTALL GROUNDING CIRCUIT COMPONENTS IN STRAIGHT LINES AVOIDING SHARP TURNS

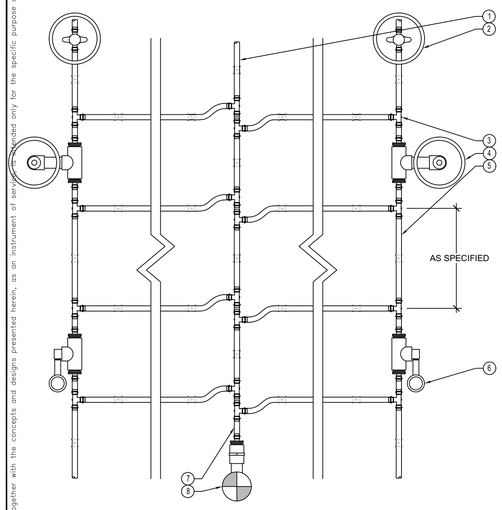
E. CONTRACTOR SHALL JOIN BARE COPPER WIRES USING ERICO PG11L KIT PER MANUFACTURES SPECIFICATIONS

F. CONTRACTOR SHALL INSTALL EARTH GROUND PLATE AT 90° ANGLE FROM DIRECTION OF TWO-WIRE PATH



2 GROUND PLATE AT DECODER

Hunter GR.06 — NOT TO SCALE



LEGEND:

1. HUNTER DRIPLINE (HDL) PER PLAN
2. FLUSH POINT (PLD-BV) IN SUBTERRANEAN BOX PER PLAN
3. PLD OR PLD-LOC FITTINGS TYP.
4. AIR RELIEF VALVE IN VALVE BOX
5. PLD TUBING EXHAUST HEADER
6. ECO-INDICATOR ON SWING ARM
7. HDL TUBING SUPPLY HEADER
8. DRIP CONTROL ZONE KIT PER PLAN

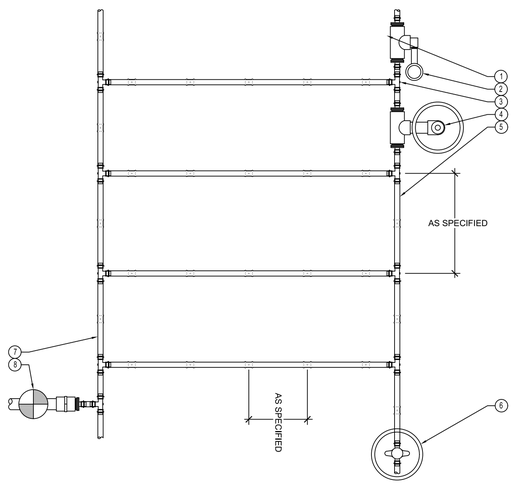
NOTES
AIR RELIEF VALVE (PLD-AVR) INSTALLED IN VALVE BOX AT OPTIMAL HIGHEST POINT FROM CONTROL ZONE KIT. MULTIPLE AIR RELIEF VALVES MAY BE NEEDED TO ACCOMMODATE DIFFERENCES IN GRADE.

ECO-INDICATOR TO BE INSTALLED AT OPTIMAL FURTHEST POINT FROM CONTROL ZONE KIT IN CLEAR VIEW WHEN POPPED UP.

FLUSH POINT TO BE INSTALLED AT OPTIMAL FURTHEST POINT FROM CONTROL ZONE KIT TO ALLOW FOR MAXIMUM DEBRIS FLUSH IN SYSTEM.

3 HUNTER DRIPLINE - PLANTING BED CENTER FEED

Hunter HM.HDL.02 — NOT TO SCALE



LEGEND:

1. HUNTER DRIPLINE (HDL) PER PLAN
2. ECO-INDICATOR ON SWING ARM
3. PLD OR PLD-LOC FITTINGS TYP.
4. AIR RELIEF VALVE IN VALVE BOX
5. HDL TUBING EXHAUST HEADER
6. FLUSH POINT (PLD-BV) IN SUBTERRANEAN BOX PER PLAN
7. HDL TUBING SUPPLY HEADER
8. DRIP CONTROL ZONE KIT PER PLAN

NOTES
AIR RELIEF VALVE (PLD-AVR) INSTALLED IN VALVE BOX AT OPTIMAL HIGHEST POINT FROM CONTROL ZONE KIT. MULTIPLE AIR RELIEF VALVES MAY BE NEEDED TO ACCOMMODATE DIFFERENCES IN GRADE.

ECO-INDICATOR TO BE INSTALLED AT OPTIMAL FURTHEST POINT FROM CONTROL ZONE KIT IN CLEAR VIEW WHEN POPPED UP.

FLUSH POINT TO BE INSTALLED AT OPTIMAL FURTHEST POINT FROM CONTROL ZONE KIT TO ALLOW FOR MAXIMUM DEBRIS FLUSH IN SYSTEM.

4 HUNTER DRIPLINE - PLANTING BED

Hunter HM.HDL.01 — NOT TO SCALE

DETAIL NOTES:

INSTALL HUNTER AFV-B AUTOMATIC LINE FLUSHING VALVES.

AS APPLICABLE, INSTALL A LINE FLUSHING VALVE, A DRIP AIR RELIEF VALVE AT THE SUPPLY MANIFOLD, AT THE FAR ENDS OF THE DRIP TUBING AND AT EVERY 7 GPM INTERVAL OR PART THEREOF OF DRIP TUBING.

INSTALL AN OPERATION INDICATOR AT THE ENDS OF ALL DRIP AREAS.

INSTALL LANDSCAPE STAPLES EVERY 2-4 FEET OF DRIP TUBING TO STABILIZE THE TUBING.

INSTALL A FILTER (OR FILTERS IN PARALLEL) BETWEEN THE ISOLATION VALVE AND ANY DRIP ZONE VALVE(S). INSTALL FILTER(S) RATED FOR AT LEAST 125 PERCENT OF THE DRIP ZONE GALLONAGE STATED ON THE PLANS AND THE DRIP ZONE GALLONAGE INSTALLED.

INSTALL THE FILTER(S) IN AN ORIENTATION THAT ALLOWS THE MAINTENANCE PERSONNEL EASY ACCESS TO THE FILTER FOR FLUSHING AND SUPPLY THE OWNER WITH ALL ITEMS NECESSARY FOR FLUSHING THE FILTERS, INCLUDING ANY SHUT-OFF VALVES AND HOSES.

INSTALL HUNTER HDL-COP TUBING FOR ALL APPLICATIONS.

INSTALL HUNTER HDL-COP TUBING, WITH ALL FITTINGS AS NECESSARY FOR ALL DRIP TUBING (GROUND COVER AND SHRUB) APPLICATIONS.

INSTALL A LINE OF TUBING 2" TO 4" FROM HARDSCAPE AND BEDLINES.

INSTALL A MINIMUM OF 2 ROWS OF TUBING IN ANY AREA.

INSTALL TUBING ROWS ON 12" LATERAL SPACING MAXIMUM.

INSTALL TUBING AT FINISHED GRADE UNDER THE MULCH.

LOOP ALL RUNS OF TUBING WITH A MAXIMUM LOOP DISTANCE FROM THE SUPPLY MANIFOLD OF 300'.

INSTALL ONE (OR 2) PROPERLY SIZED FILTER(S) WITH A STAINLESS STEEL 150 TO 200 MESH SCREEN FOR EACH VALVE.

INSTALL A VACUUM/AIR RELIEF VALVE AT THE OPPOSITE ENDS OF THE LOOPED DRIP NETWORK,ONE FOR EACH 7 GPM (470 L.F.)OR PART THEREOF BACK TO THE MANIFOLD AND AT THE TERMINATION OF THE SUPPLY MANIFOLD FROM THE AUTOMATIC VALVE.

INSTALL AN AUTOMATIC LINE FLUSHING VALVE AT ALL AIR/VACUUM RELIEF VALVE LOCATIONS WITH ALL FITTINGS AS NECESSARY TO FLUSH THE SYSTEM INTO THE LANDSCAPE, WHEN THE ZONE COMMENCES OPERATION..

INSTALL A RAIN BIRD "OPERIND" AT THE FARTHEST TERMINATIONS FROM THE VALVE OF EACH DRIP TUBING ZONE.

DRIP TUBING QUANTITIES AND GALLONAGES ON PLANS ARE APPROXIMATE. CONTRACTOR TO VERIFY EXACT QUANTITIES AND GALLONAGES AND CONFIRM THE SYSTEM CAPABILITY TO PROVIDE THOSE GALLONAGES. CONTRACTOR TO BE PAID FOR ACTUAL QUANTITY OF DRIP TUBING AND BLANK TUBING INSTALLED UP TO A MAXIMUM QUANTITY AS SHOWN ON THE PLANS.

QUANTITIES ON PLANS DO NOT INCLUDE BLANK TUBING, LINE FLUSHING VALVES, AIR RELIEF VALVES OR PVC HEADERS. INCLUDE THESE ITEMS AND ANY OTHER ITEMS NECESSARY FOR A FULLY FUNCTIONING AUTOMATIC SYSTEM IN BID AND INSTALLATION.

INSTALL LANDSCAPE STAPLES 6 FEET O.C. AND ANYWHERE ELSE NECESSARY TO SECURE TUBING TO THE GROUND.

FOLLOW THE MANUFACTURER'S INSTALLATION GUIDELINES INCLUDED WITH THE PRODUCTS.

DO NOT CURVE TUBING TO LOOP AT THE ENDS OF RUNS. INSTEAD USE (2) 90 DEG. FITTINGS AND A SHORT PIECE OF TUBING.

5 DRIP TUBING NOTES

N.T.S.

No.	REVISIONS	DATE	BY
	DESIGN DEVELOPMENT SUBMITTAL	05-21-24	--
	90% CONSTRUCTION DOCUMENTS	07-02-24	--
	SITE DEVELOPMENT REVIEW	09-06-24	--
	SITE DEVELOPMENT REVIEW	12-20-24	--
	SITE DEVELOPMENT REVIEW & BID ADDENDUM NO. 1	01-22-25	--
	NOT FOR CONSTRUCTION	--	--

GAINESVILLE APPROVED
DATE: 02/13/25
LD24-000087 - Intermediate - Tom Retty Park Pickleball

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CLAIRE ELISABETH MARTIN — LA 6666722 — STATE OF FLORIDA

DN: CN=Claire Martin, E=claire.martin@kimley-horn.com, O=KIMLEY-HORN AND ASSOCIATES INC, C=US
Date: 2025.01.22 16:24:59 -05'00'

GAINESVILLE REVIEWED FOR CODE COMPLIANCE
SW25-000012 - SITE WORK - Tom Petty Park (LD24-000087)
02/28/25

KHA PROJECT	142107025
DATE	JANUARY 2025
SCALE	AS
DESIGNED	
DRAWN	
CHECK	

IRRIGATION DETAILS AND NOTES

TOM PETTY PARK
PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

SHEET NUMBER
L3.05

DRIPLINE MAXIMUM LATERAL LENGTHS (FEET)

PSI	.9 GPH
15	155
20	169
30	230
40	255
50	285
60	290

1 XFS DRIPLINE MAXIMUM LENGTHS — 12-18-2012 N.T.S.

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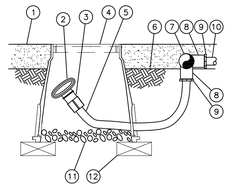

LEGEND
1. MULCH
2. 1 GAL. DRIP FLUSHING VALVE – NETAFIM TLFV, HUNTER AFV-B OR EQUAL
3. ADAPTER FITTINGS AS NEEDED
4. SUBTERRANEAN EMITTER BOX: RAIN BIRD SEB 7XB
5. RAIN BIRD XF BLANK TUBING
6. FINISH GRADE
7. PVC EXHAUST HEADER
8. PVC SCH 40 TEE OR EL
9. BARB X MALE FITTING: RAIN BIRD XFT-MA FITTING (TYPICAL)
10. SUBSURFACE DRIPLINE: RAIN BIRD XF SERIES DRIPLINE POTABLE: XFS DRIPLINE NON-POTABLE: XFSP DRIPLINE
11. 3-INCH MINIMUM DEPTH OF 3/4" WASHED GRAVEL
12. BRICK (1 OF 2)

NOTE:
1. ALLOW A MINIMUM OF 6-INCHES OF DRIPLINE TUBING IN VALVE BOX IN ORDER TO DIRECT FLUSHED WATER OUTSIDE VALVE BOX.

2 DRIPLINE FLUSH POINT — 12-18-2012 N.T.S.

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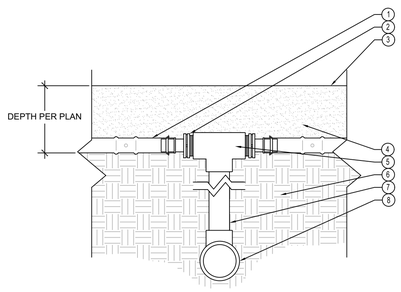
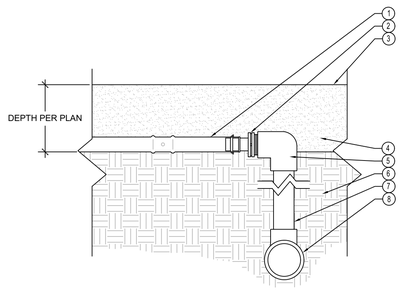


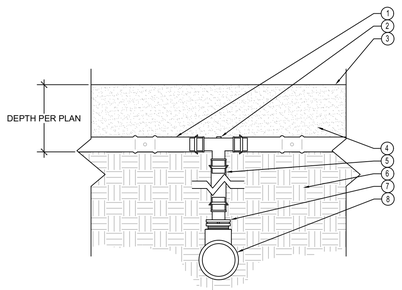
LEGEND:
1. HUNTER DRIPLINE (HDL) PER PLAN
2. PLD OR PLD-LOC FITTING
3. FINISHED GRADE
4. MULCH (AS SPECIFIED)
5. PVC TEE
6. SOIL
7. PVC RISER - SIZE AND LENGTH AS REQUIRED
8. PVC SUPPLY HEADER - SIZE PER PLAN

3 HUNTER DRIPLINE - CONNECTION WITH PVC RISER AND TEE
Hunter HM.HDL.08 — NOT TO SCALE



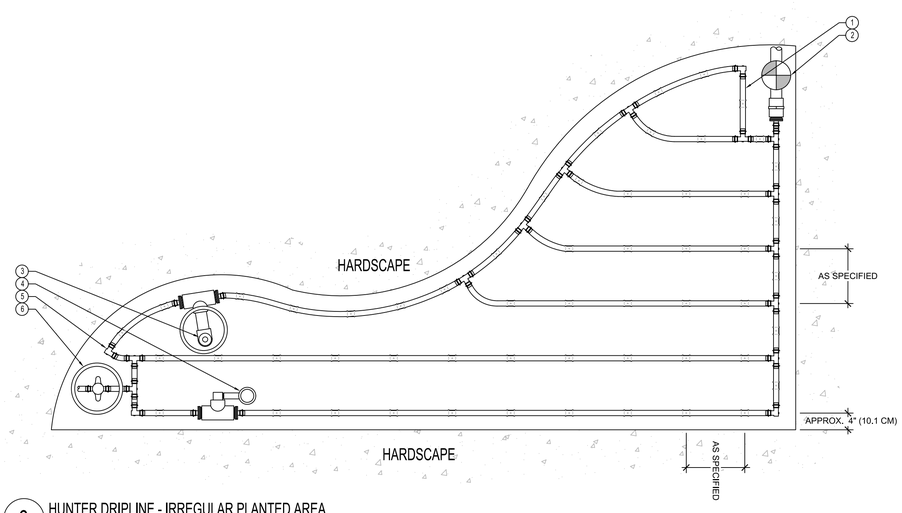
LEGEND:
1. HUNTER DRIPLINE (HDL) PER PLAN
2. PLD OR PLD-LOC FITTING
3. FINISHED GRADE
4. MULCH (AS SPECIFIED)
5. PVC ELBOW
6. SOIL
7. PVC RISER - SIZE AND LENGTH AS REQUIRED
8. PVC SUPPLY HEADER - SIZE PER PLAN

4 HUNTER DRIPLINE - CONNECTION WITH PVC RISER AND ELBOW
Hunter HM.HDL.07 — NOT TO SCALE



LEGEND:
1. HUNTER DRIPLINE (HDL) PER PLAN
2. PLD OR PLD-LOC FITTING
3. FINISHED GRADE
4. MULCH (AS SPECIFIED)
5. HDL RISER - LENGTH AS REQUIRED
6. SOIL
7. PLD OR PLD-LOC FITTING
8. PVC SUPPLY HEADER - SIZE PER PLAN

5 HUNTER DRIPLINE - CONNECTION WITH DRIPLINE AND TEE
Hunter HM.HDL.06 — NOT TO SCALE



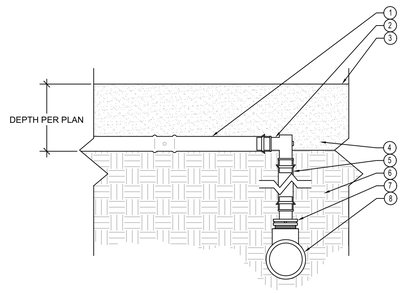
LEGEND:
1. HUNTER DRIPLINE PER PLAN
2. DRIP CONTROL ZONE KIT PER PLAN
3. AIR RELIEF VALVE IN VALVE BOX
4. ECO-INDICATOR ON SWING ARM
5. PLD OR PLD-LOCK FITTING (TYP.)
6. FLUSH POINT (PLD-BV) IN SUBTERRANEAN BOX PER PLAN

NOTES
AIR RELIEF VALVE (PLD-AVR) INSTALLED IN VALVE BOX AT OPTIMAL HIGHEST POINT FROM CONTROL ZONE KIT. MULTIPLE AIR RELIEF VALVES MAY BE NEEDED TO ACCOMMODATE DIFFERENCES IN GRADE.

ECO-INDICATOR TO BE INSTALLED AT OPTIMAL FURTHEST POINT FROM CONTROL ZONE KIT IN CLEAR VIEW WHEN POPPED UP.

FLUSH POINT TO BE INSTALLED AT OPTIMAL FURTHEST POINT FROM CONTROL ZONE KIT TO ALLOW FOR MAXIMUM DEBRIS FLUSH IN SYSTEM.

6 HUNTER DRIPLINE - IRREGULAR PLANTED AREA
Hunter HM.HDL.02 — NOT TO SCALE



LEGEND:
1. HUNTER DRIPLINE (HDL) PER PLAN
2. PLD OR PLD-LOC FITTING
3. FINISHED GRADE
4. MULCH (AS SPECIFIED)
5. HDL RISER - LENGTH AS REQUIRED
6. SOIL
7. PLD OR PLD-LOC FITTING
8. PVC SUPPLY HEADER - SIZE PER PLAN

7 HUNTER DRIPLINE - CONNECTION WITH DRIPLINE AND ELBOW
Hunter HM.HDL.04 — NOT TO SCALE

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REGISTERED LANDSCAPE ARCHITECT CLAIRE ELISABETH NAPIER
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Date: 2025.01.22 16:24:14-05'00'

GAINESVILLE REVIEWED FOR CODE COMPLIANCE
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KHA PROJECT 142107025
DATE JANUARY 2025
SCALE AS NOTED
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IRRIGATION DETAILS

TOM PETTY PARK
PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

SHEET NUMBER
L3.06

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TWO-WIRE NOTES

DECODERS

CONTROLLER SHALL INTERFACE WITH HUNTER ICD DECODERS, EACH CAPABLE OF CONTROLLING 1, 2, 4, OR 6 VALVES (ICD-100, ICD-200, ICD-400, AND ICD-600)

PROVIDE AN ICD-SEN SENSOR DECODER FOR FLOW SENSOR(S) AND/OR CLIK SENSOR(S) ON TWO WIRE PATH

WIRE CONNECTIONS FROM DECODER OUTPUT TO SOLENOID SHALL BE 14 AWG, TYPE PE

WIRE DISTANCE FROM DECODER OUTPUT TO SOLENOID UNDER NORMAL CONDITIONS SHALL NOT EXCEED 150-FT [45-M]

INSTALL IN VALVE BOX ON DECODER STAKE KIT (DECSTAKE-10) WITH BOTTOM OF DECODER FACING UP

CONTRACTOR SHALL INDICATE ASSOCIATED VALVE NUMBER(S) ON MANUFACTURER PROVIDED LABEL ON DECODER WITH PERMANENT MARKER

WIRES

WIRE FOR TWO-WIRE PATH SHALL BE TWISTED AND JACKETED HUNTER IDWIRE, OR APPROVED EQUAL (PAIGE ELECTRIC P7354D); COATED WIRE SHALL NOT BE ACCEPTED AS AN EQUAL: ACCEPTABLE EQUAL PRODUCTS MUST CONSIST OF TWO SEPARATELY PE JACKETED WIRE TWISTED INSIDE OF A PE JACKET

CONTRACTOR SHALL INSTALL IDWIRE1 (14 AWG) FOR WIRE PATH LENGTH UP TO 10,000-FT [3,048-M] AND IDWIRE2 (12 AWG) FOR WIRE PATH LENGTH UP TO 15,000-FT [4,572-M], WIRE PATH LENGHTS DECREASE WITH SUBSTITUTED WIRE

WIRE JACKET COLORS SHALL BE SUCH TO FACILITATE THE IDENTIFICATION OF VARIOUS WIRE PATH ZONES; SEE WIRE JACKET CHART FOR WIRE TYPE, COLOR AND ASSOCIATED VALVES

THE CONTROLLER ALLOWS UP TO THREE (3) TWO-WIRE PATHS PER OUTPUT MODULE, CONTRACTOR SHALL NOT CONNECT ANY TWO-WIRE PATH FROM ONE OUTPUT MODULE TO ANOTHER OUTPUT MODULE

WIRE CONNECTION FROM DECODER OUTPUT TO SOLENOID SHALL BE COLORED TO MATCH THE ASSOCIATED DECODER OUTPUT STATION COLOR; RED AND BLUE COLORED WIRES SHALL NOT BE USED FOR CONNECTION BETWEEN DECODER OUTPUT AND SOLENOID

GROUNDING

ALL GROUNDING AND INSTALLATION OF EQUIPMENT SPECIFIED SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS

BOTH THE CONTROLLER AND THE DECODERS SHALL BE GROUNDED TO GROUND RODS OR PLATES WITH LESS THAN 10 OHMS RESISTANCE

IRRIGATION CONTROLLER AND PAD SHALL NOT FALL WITHIN THE SPHERE OF INFLEUNCE OF A GROUND ROD OR PLATE

AT A MINIMUM, EARTH GROUND SHALL BE CONNECTED AT THE FIRST DECODER OF EACH WIRE PATH LEAVING THE CONTROLLER, AND EVERY 12TH VALVE/DECODER OR 1,000-FT [304-M] OF TWO-WIRE RUN (WHICHEVER IS SHORTER), AND AT THE LAST VALVE/DECODER IN ANY WIRE RUN EXCEEDING 50' FROM MAIN WIRE PATH

FOR USE OF GROUNDING PLATE:

SOLID COPPER GROUNDING PLATE SHALL HAVE A PRE-WELDED #6 AWG INSULATED GREEN-YELLOW WIRE

GROUND PLATES ARE TO BE INSTALLED TO A MINIMUM DEPTH OF 30-IN [76-CM]

GROUND PLATES SHALL BE MADE OF A COPPER ALLOY INTENDED FOR GROUNDING APPLICATIONS AND HAVE MINIMUM DIMENSIONS AS FOLLOWS:

A. FOR GROUNDING CONTROLLERS - 4-IN [10-CM] X 8-FT [1.2-M] X 0.0625-IN [1.5-MM] SOLID COPPER GROUNDING PLATE, WITH 25-FT [7.6-M] CONTINUOUS LENGTH OF 6 AWG, GREEN INSULATED, WITH EXTRUDED YELLOW STRIPE, SOLID BARE COPPER WIRE WELDED TO THE PLATE (PAIGE ELECTRIC 182199IC) AND TWO 50-LB [22.6-KG] BAGS OF POWERSET EARTH CONTACT MATERIAL (PAIGE ELECTRIC 1820058) FOR POROUS SOILS OR TWO 50-LB [22.6-KG] BAGS OF POWERFILL EARTH CONTACT MATERIAL (PAIGE ELECTRIC 1820059) FOR NON-POROUS SOILS

B. FOR GROUNDING DECODERS - 4-IN [10-CM] X 3-FT [1-M] X 0.0625-IN [1.5-MM] SOLID COPPER GROUNDING PLATE, WITH 15-FT [4.5-M] CONTINUOUS LENGTH OF 10 AWG, GREEN INSULATED, WITH EXTRUDED YELLOW STRIPE, SOLID BARE COPPER WIRE IS WELDED TO THE PLATE (PAIGE ELECTRIC 182201IC) AND ONE 50-LB [22.6-KG] BAG OF POWERSET EARTH CONTACT MATERIAL (PAIGE ELECTRIC 1820058) FOR POROUS SOILS OR ONE 50-LB [22.6-KG] BAG OF POWERFILL EARTH CONTACT MATERIAL (PAIGE ELECTRIC 1820059) FOR NON-POROUS SOILS

FOR USE OF GROUNDING ROD:

GROUND ROD SHALL BE 5/8-IN [15-MM] DIAMETER X 8-FT [1.2-M] LONG COPPER CLAD STEEL GROUND RODS WITH 15-FT [4.5-M] PRE-WELDED #6 AWG INSULATED GREEN-YELLOW WIRE (PAIGE ELECTRIC PART # 182000IC6)

GROUND ROD SHALL BE DRIVEN INTO THE GROUND IN A VERTICAL POSITION OR AN OBLIQUE ANGLE NOT TO EXCEED 45 DEGREES AT A LOCATION 10-FT [3-M] FROM THE ELECTRONIC EQUIPMENT, THE GROUND PLATE, OR THE WIRES AND CABLES CONNECTED TO EQUIPMENT BEING GROUNDED

ADDITIONAL GROUND ROD IN DAISY CHAIN INSTALLATION SHALL BE 5/8-IN [15-MM] DIAMETER X 8-FT [1.2-M] LONG COPPER CLAD STEEL GROUND RODS WITH 25-FT [4.5-M] PRE-WELDED #6 AWG INSULATED GREEN-YELLOW WIRE (PAIGE ELECTRIC PART #182007IC6)

GROUND RODS SHALL BE COVERED BY A VALVE BOX

ALL CIRCUIT COMPONENTS SHALL BE INSTALLED IN STRAIGHT LINES

SPLICES

ALL CONNECTIONS AND SPLICES IN THE RED/BLUE TWO-WIRE PATH MUST BE MADE WITH 3M DBR/Y-6 WATERPROOF CONNECTORS INSTALLED PER MANUFACTURERS INSTRUCTIONS IN VALVE BOX WITH OPEN END OF CONNECTOR FACING DOWN

CONTRACTOR SHALL PROVIDE 36-IN [1-M] LOOP OF SLACK WIRE, MEASURED FROM TOP OF VALVE BOX, NEATLY COILED INSIDE ALL SPLICE BOXES AND VALVE BOXES

ANY SPLICES IN THE TWO-WIRE PATH NOT ASSOCIATED WITH A DECODER SHALL BE HOUSED IN SEPARATE VALVE BOXES WITH 36-IN [1-M] LOOP OF SLACK WIRE

CONTRACTOR SHALL INDICATE TWO-WIRE PATH DIRECTIONS IN PERMANENT MARKER WITHIN 6-IN [2.5-CM] OF TWO-WIRE SPLICE ON WIRE JACKET OR ID TAG ZIP TIED TO WIRE:

INCOMING WIRE SHALL BE MARKED “CONTROLLER” ON WIRE JACKET OR ID TAG AND MUST INCLUDE ZIP-TIE ATTACHED TO WIRE JACKET

EACH OUTGOING TWO-WIRE PATH SHALL BE MARKED WITH CONNECTED VALVES ON WIRE JACKET

CONTRACTOR SHALL ENSURE ALL CONNECTIONS TO BE WATERTIGHT WITH NO ELECTRICAL LEAKAGE TO GROUND OR SHORTING BETWEEN CONDUCTORS

GROUND ROD AND PLATE LOCATION

CONTRACTOR SHALL LOCATE AND INSTALL GROUND ROD AND/OR PLATE IN AREA OF MOIST SOIL TO MAXIMIZE ELECTRICAL CONDUCTIVITY

SURGE PROTECTION (LIGHTING ARRESTOR)

CONTRACTOR SHALL INSTALL PAIGE ELECTRIC 250090LED LIGHTENING ARRESTOR PER MANUFACTURERS SPECIFICATIONS AS CLOSE TO CONTROLLER POWER SOURCE AS POSSIBLE TO PROTECT THE IRRIGATION CONTROLLER FROM SURGES THROUGH 120 OR 240 VAC WIRES

TURN OVER ITEMS

CONTRACTOR SHALL PROVIDE PROJECT OWNER WITH THE FOLLOWING AT PROJECT COMPLETION AND TURN OVER:

A2C-D SD CARD WITH SAVED STATION AND IRRIGATION PROGRAM INFORMATION

PRODUCT MANUALS

IN ADDITION TO IRRIGATION AS-BUILT REQUIREMENTS, THE CONTRACTOR SHALL INCLUDE IN THE AS-BUILT DRAWINGS OF IRRIGATION SYSTEM GRAPHICALLY DEPICTING LOCATION OF TWO-WIRE PATH(S), GROUNDING LOCATION AND TYPE, DECODERS, NON-DECODER WIRE SPLICES, INDICATION OF TWO-WIRE SPLICE TYPES (1-WAY, 2-WAY, 3-WAY, ETC), AND TERMINATION OF TWO-WIRE PATHS

ICD-HP HANDHELD PROGRAMMER AND DIAGNOSTIC TOOL

ROAM XL HANDHELD REMOTE AND RECEIVER

MANUFACTURER TRAINING

PRIOR TO INSTALLATION THE CONTRACTOR SHALL HAVE COMPLETED AND RECEIVED CERTIFICATION FOR THE FOLLOWING TRAINING MODULES PROVIDED BY HUNTER INDUSTRIES:

DECODER SPECIALIST PROGRAM

MULTIMETER BASICS COURSE

EXPERT PROGRAM

PRE-CONSTRUCTION MEETING

PRIOR TO INSTALLATION OF TWO-WIRE IRRIGATION SYSTEM, A PRE-CONSTRUCTION MEETING SHALL BE CONDUCTED WITH PROJECT OWNER'S REPRESENTATIVE, INSTALLING CONTRACTOR, AND IRRIGATION TWO-WIRE MANUFACTURER AT NO ADDITIONAL COST FROM MANUFACTURER

TECHNICAL SUPPORT

HUNTER INDUSTRIES (800) 733-2823

1 TWO_WIRE_INSTALLATION_NOTES
NOT_TO_SCALE

No.	REVISIONS	DATE	BY
	DESIGN DEVELOPMENT SUBMITTAL	05-21-24	-
	90% CONSTRUCTION DOCUMENTS	07-02-24	-
	SITE DEVELOPMENT REVIEW	09-06-24	-
	SITE DEVELOPMENT REVIEW	12-20-24	-
	SITE DEVELOPMENT REVIEW &		
	BID ADDENDUM NO. 1	01-22-25	-
	NOT FOR CONSTRUCTION	-	-

GAINESVILLE APPROVED
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PHONE: 352-374-3274
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REGISTERED LANDSCAPE ARCHITECT CLAIRE ELISABETH MANLEY LA 6666722 STATE

DN: CN=Claire E Manley, dnQualifier=A01410C0000018DEB4EB47E00089328, O=KIMLEY-HORN AND ASSOCIATES INC, C=US
Date: 2025.01.22 11:11:54-05'00'

GAINESVILLE REVIEWED FOR CODE COMPLIANCE
SW25-000012 - SITE WORK - Tom Petty Park (LD24-000087)
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KHA PROJECT 142107025
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IRRIGATION NOTES

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PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

SHEET NUMBER
L3.07

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PART 1 – GENERAL

DESCRIPTION

FURNISH ALL MATERIALS, LABOR, EQUIPMENT, TOOLS, AND TRANSPORTATION, UNLESS OTHERWISE SPECIFIED, NECESSARY TO PROVIDE AN AUTOMATIC IRRIGATION SYSTEM FOR LANDSCAPE PLANT MATERIALS AND TURF AND MULCH AREAS.

APPLICABLE STANDARDS

AMERICAN SOCIETY OF AGRICULTURAL ENGINEERS S376.1, "DESIGN, INSTALLATION AND PERFORMANCE OF UNDERGROUND, THERMOPLASTIC IRRIGATION PIPELINES."

ASTM D2774, "UNDERGROUND INSTALLATION OF THERMOPLASTIC PRESSURE PIPING."

ASTM D1785, POLY (VINYL CHLORIDE) (PVC) PLASTIC PIPE, SCHEDULES 40, 80, AND 120.

ASTM D2241 POLY (VINYL CHLORIDE) (PVC) PLASTIC PIPE (SDR-PR).

SUBSTITUTIONS

WHEREVER BRAND NAMES ARE USED IN THESE SPECIFICATIONS, USE ONLY THE BRAND SPECIFIED. MAKE NO SUBSTITUTIONS AS A PART OF THIS BID PACKAGE.

PART 2 – MATERIALS

PIPE

FURNISH ALL UNDERGROUND PIPING AS PVC EXCEPT FOR ANY FLEXIBLE POLYETHYLENE (POLY PIPE) PIPING THAT IS TO BE USED BETWEEN THE LATERALS AND SPRINKLER HEADS. ALL PVC PIPE SHALL BE CL 200 PIPE OR BETTER. INSTALL ALL PVC PIPE AS PURPLE TO DENOTE REUSE.

SIZE EACH SLEEVE AT LEAST TWICE (2X) THE SIZE OF THE PIPE BEING ROUTED THROUGH IT. INSTALL EACH CONTROL WIRE SLEEVE OF SUFFICIENT SIZE FOR THE REQUIRED NUMBER OF WIRES BEING ROUTED THROUGH IT UNDER THE AREA SPECIFIED. CONSULT WITH THE OWNER OR OWNER'S REPRESENTATIVE FOR THE LOCATION, DEPTH, NUMBER AND SIZE OF ANY AVAILABLE EXISTING SLEEVES.

INSTALL ANY ABOVE GROUND PIPE AS GALVANIZED PIPE.

PIPE FITTINGS

FOR MAIN LINE PVC PIPE FITTINGS, USE PVC SCH. 40 FITTINGS AND USE THREADED FITTINGS FOR CONNECTION TO VALVES.

FOR PVC ZONE PIPE, USE SCHEDULE 40, SOLVENT WELD FITTINGS, MANUFACTURED FROM PVC 12454-B COMPOUND AND TESTED IN ACCORDANCE WITH ASTM D2466, EXCEPT FOR THREADED FITTINGS. FOR THREADED APPLICATIONS, USE SCHEDULE 80 FITTINGS MANUFACTURED FROM PVC 12454- B COMPOUND AND TESTED IN ACCORDANCE WITH ASTM D2467.
CONNECT ALL "POLY PIPE" AND RISER ASSEMBLIES TO THE IRRIGATION PIPELINE WITH A SCHEDULE 80 TEE, AS DESCRIBED ABOVE.

DO NOT USE MALE ADAPTERS FOR ANY APPLICATIONS. INSTEAD, USE A "TOE" NIPPLE GLUED INTO A SCHEDULE 40 COUPLER.

SEE DETAILS FOR SPRINKLER TO PIPE CONNECTIONS. NO "FLEX PVC" IS ALLOWED.

SOLVENT CEMENT AND PRIMER

USE A MEDIUM OR HEAVY BODY GRAY SOLVENT CEMENT MANUFACTURED IN ACCORDANCE WITH ASTM D2564 AND PRIMER MANUFACTURED IN ACCORDANCE WITH ASTM F656.

VALVE BOXES

USE 12 X 18 VALVE BOXES FOR ALL APPLICATIONS. (PURPLE LIDS)

ELECTRIC VALVES

USE HUNTER ICV ELECTRIC VALVES WITH DECODER AND PRESSURE REGULATOR PER PLANS, LEGEND AND DETAILS FOR ALL APPLICATIONS. (PURPLE HANDLES)
POINT OF CONNECTION

CONNECT TO THE 2" EXISTING MAIN LINE AS AT THE LOCATION NOTED ON THE PLANS AS THE POINT OF CONNECTION FOR THE WATER AND 2-WIRE COMMUNICATION WIRE.

TREE SPRINKLERS

INSTALL HUNTER PROS-04-PRS30-CV-F-R SPRINKLERS WITH APPROPRIATE NOZZLES AND SCREENS FOR TREE SPRINKLER APPLICATIONS.

SHRUBS AND GROUNDCOVER

INSTALL HUNTER HDP-COP-R TUBING WITH HUNTER DRIP FITTINGS FOR ALL PLANTING BED APPLICATIONS AS SHOWN ON THE PLANS. DO NOT USE OTHER TUBING THAT DOES NOT HAVE ROOT INTRUSION DETERRENT.

WIRE

USE U.L. U.F. WIRE APPROVED FOR DIRECT BURIAL UNDERGROUND FOR ALL 24 VAC APPLICATIONS.

USE HUNTER APPROVED TWISTED SHIELDED PAIR WIRE FOR ALL CONTROLLER TO DECODER COMMUNICATION WIRES.

USE RED #14 AWG WIRE FOR ALL DECODER TO VALVE POWER WIRES.

USE WHITE #14 AWG WIRE FOR ALL DECODER TO VALVE COMMON WIRES.

USE TWISTED SHIELDED 14 GAUGE OR LARGER WIRE PER HUNTER RECOMMENDATIONS FOR ALL 2- WIRE COMMUNICATIONS WIRE APPLICATIONS.

1 IRRIGATION SPECIFICATIONS

PART 3 – EXECUTION

A. GENERAL

INSTALL PVC PIPE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. REVIEW CONSTRUCTION PLANS WITH THE OWNER OR OWNER'S REPRESENTATIVE BEFORE ANY WORK BEGINS. THE CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT/OWNER PRIOR TO INSTALLATION IF THERE IS ANY DOUBT AS TO HEAD LINE OR ZONE PLACEMENT.

INSPECT THE CONSTRUCTION SITE BEFORE ANY WORK BEGINS AND FLAG LOCATIONS OF MAINLINE PIPE, SLEEVES, HEADS AND VALVES FOR REVIEW BY THE LANDSCAPE ARCHITECT/OWNER. FLAGS SHALL BE CLEARLY MARKED OR COLORED TO DESIGNATE THE TYPE OF EQUIPMENT TO BE INSTALLED AT THAT POINT. INSTALLATION SHALL NOT COMMENCE UNTIL THE STAKING/ FLAGGING HAS BEEN APPROVED.

PIPE TRENCH CONSTRUCTION

PROVIDE FOR A MINIMUM DEPTH OF COVER OF 18" FOR ALL MAIN LINE PIPE AND 12" OF COVER FOR ALL ZONE PIPE AS MEASURED FROM FINISHED GRADE.

PROVIDE THE MINIMUM DEPTH OF COVER, AS SPECIFIED ABOVE, OVER THE TOP OF THE PIPE BEFORE THE TRENCH IS WHEEL-LOADED.

INSTALLATION COORDINATION

COORDINATE THE INSTALLATION OF THE IRRIGATION SYSTEM WITH THE GENERAL CONTRACTOR AND LANDSCAPE CONTRACTOR TO PROVIDE FOR CORRECT APPLICATION OF WATER TO THE PLANT MATERIAL AND TO AVOID TREE PLANTING LOCATIONS.

BACK FILL

PROVIDE INITIAL BACK FILL MATERIAL THAT IS FINE-GRAINED MATERIAL FREE FROM COMPACTED EARTH GREATER THAN TWO INCHES IN DIAMETER, ROCKS, OR STONES.

TAMP THE BACK FILL IN LAYERS NOT TO EXCEED SIX INCHES. LIFT AND COMPACT FIRMLY AROUND THE PIPE AND UP TO AT LEAST SIX INCHES ABOVE THE TOP OF THE PIPE. SUFFICIENTLY MOISTEN THE BACK FILL TO PERMIT THOROUGH COMPACTION UNDER AND ON EACH SIDE OF THE PIPE TO PROVIDE SUPPORT FREE FROM VOIDS. AVOID DEFORMING, DISPLACING, OR DAMAGING PIPE DURING THIS PHASE OF THE OPERATION. ASSURE THAT WHEN FINISHED, THE SOIL COMPACTION EQUALS THE ORIGINAL CONDITION.

FITTING AND PIPE CONNECTIONS

SQUARE CUT, CLEAN AND PRIME ALL JOINTS BEFORE CEMENTING. FULLY ENGAGE ALL JOINTS WHILE CEMENTING.

PVC FITTINGS - MAKE ALL SOLVENT WELD JOINTS IN ACCORDANCE WITH ASTM D2855. PRIME ALL FITTINGS WITH PURPLE PRIMER BEFORE MAKING SOLVENT WELD CONNECTIONS. ALLOW SOLVENT WELDED JOINTS AT LEAST ONE (1) HOUR TO SET UP BEFORE MOVING OR HANDLING. DO NOT PERMIT WATER IN THE PIPE FOR AT LEAST TWENTY-FOUR HOURS AFTER MAKING A SOLVENT WELD ON THAT PIPE UNLESS RECOMMENDED OTHERWISE BY THE SOLVENT CEMENT MANUFACTURER. SEAL ALL THREADED PVC FITTINGS WITH LIQUID TEFLON EXCEPT SPRINKLER HEADS, ELECTRIC VALVE CONNECTIONS AND SWING JOINTS. INSTALL ALL OF THESE EXCEPTIONS USING ONE INCH TEFLON TAPE.

FLUSHING PIPELINES

FLUSH ALL PIPELINES BEFORE SPRINKLERS ARE INSTALLED. MAINTAIN A MINIMUM PIPE VELOCITY OF THREE FEET PER SECOND AND FLUSH FOR A MINIMUM TIME OF:

T = 2L/3 WHERE T = TIME IN SECONDS & L = PIPE LENGTH IN FEET FROM INLET POINT TO MOST DISTANT POINT IN PIPELINE.

INSTALLING ELECTRIC VALVE CONTROL WIRING

INSTALL WIRING IN THE SAME TRENCH AND ALONG THE SAME ROUTE AS, AND UNDERNEATH THE MAIN LINE EXCEPT IN LOCATIONS WHERE THE WIRE WILL PASS UNDER PAVING. AT THOSE LOCATIONS INSTALL THE WIRE INSIDE OF A PVC SLEEVE. INSTALL CONTROL WIRING THROUGH WALLS, FLOORS, AND SLABS IN PVC SLEEVES.

TAPE WIRING TOGETHER AT INTERVALS OF TEN FEET, USING 1/4 INCH FIBER REINFORCED TAPE.

MAKE AN EXPANSION LOOP OF A MINIMUM 12 INCHES DIAMETER AT EACH WIRE CONNECTION. PROVIDE EXPANSION COILS OF WIRE AT NO MORE THAN 100 FOOT INTERVALS AND AT EACH DIRECTION CHANGE IN THE WIRE ROUTING.

ATTACH PERMANENT MARKINGS AT EACH END OF EACH WIRE TO IDENTIFY IT BY VALVE NUMBER. (CHRISTIE I.D. TAGS OR EQUAL)

AUTOMATIC CONTROLLER INSTALLATION

LOCATION – VERIFY LOCATION WITH OWNER OR OWNER'S REPRESENTATIVE BEFORE INSTALLATION.

VERIFY THAT SUFFICIENT SLEEVING EXISTS TO ALLOW ROUTING OF THE VALVE WIRING FROM THE CONTROLLER TO EACH VALVE.

VALVE INSTALLATION

INSTALL ALL AUTOMATIC ZONE VALVES AND GATE VALVES IN VALVE BOXES. NUMBER EACH ZONE VALVE BOX ON THE UNDERSIDE AND TOPSIDE OF EACH VALVE BOX COVER WITH BLACK WATERPROOF MARKER FOR REFERENCE.

INSTALL ANY MAIN LINE ISOLATION VALVES IN VALVE BOXES.

INSTALLATION OF SPRINKLER HEADS.

INSTALLATION SCHEDULE – INSTALL SPRINKLER HEADS AFTER THE SPRINKLER BODY ASSEMBLIES HAVE BEEN CLEANLY FLUSHED.

ORIENTATION – INSTALL POP-UP UNITS IN A PLUMB POSITION AND FIELD ADJUST SPRINKLER HEADS TO OBTAIN COMPLETE COVERAGE OF IRRIGATED AREA WITH MINIMUM OVER SPRAY ONTO PAVED SURFACES. HEADS ARE TO BE LOCATED ON A MAXIMUM SPACING OF 55% OF THE SPRINKLER COVERAGE DISTANCE AND CLOSER WHERE INDICATED. ADJUST NOZZLE DISTANCE AS NEEDED TO COVER PLANT MATERIALS AND MINIMIZE OVER SPRAY ON STRUCTURES AND PAVEMENT. ALIGN POP-UP SPRAY HEADS IN A VERTICAL ORIENTATION AS SHOWN IN THE DETAILS. ADJUST AS NECESSARY TO PROVIDE THE BEST COVERAGE IN SLOPED AREAS.

TESTING

PRESSURE TEST THE SYSTEM MAIN LINE BEFORE APPRECIABLY BACKFILLING.

PRESSURE TEST THE SYSTEM MAIN LINE, IN THE PRESENCE OF THE OWNER OR OWNER'S REPRESENTATIVE, FOR A PERIOD OF NO LESS THAN FOUR HOURS, CONTINUOUSLY, AT A PRESSURE OF NO LESS THAN 100 PSI WITH NO LEAKS AND ASSURE THAT ANY TESTS OF THE SYSTEM MAIN LINE MEET THE APPLICABLE COUNTY PLUMBING CODES. IF LEAKAGE OCCURS, REMEDY THE LEAKAGE PROBLEM AND RETEST. REPEAT THIS PROCESS AS MANY TIMES AS NECESSSARY UNTIL A SUCCESSFUL TEST IS PERFORMED.

INSPECTIONS

THE FOLLOWING INSPECTIONS ARE REQUIRED. NOTIFY OWNER OR OWNER'S REPRESENTATIVE IN ADVANCE THAT EACH ITEM IS READY FOR INSPECTION AS INDICATED BELOW:

INSPECTION OF FLAGGED UNDERGROUND MAINLINE PIPING, SLEEVES, SPRINKLER AND VALVE LOCATIONS PRIOR TO BEGINNING CONSTRUCTION -NOTIFY 48 HOURS IN ADVANCE.

SPRINKLER COVERAGE TEST – NOTIFY 48 HOURS IN ADVANCE.

FINAL INSPECTION – NOTIFY 48 HOURS IN ADVANCE.

TESTING

COVERAGE TESTS – CONDUCT SPRINKLER COVERAGE TESTS UNDER NORMAL OPERATING PRESSURE CONDITIONS BEFORE ANY GROUND COVER OR TURF IS PLANTED. CORRECT AND FIELD ADJUST SPRINKLER ORIENTATION TO PROVIDE UNIFORM PRECIPITATION OVER THE IRRIGATED AREA AND MINIMIZE OVER SPRAY ONTO PAVED SURFACES AND BUILDINGS.

WARRANTY

THE CONTRACTOR SHALL ISSUE TO THE OWNER OR OWNER'S REPRESENTATIVE A CERTIFICATE OF WARRANTY OF THE IRRIGATION SYSTEM FOR A PERIOD OF NOT LESS THAN ONE YEAR ON ALL SPRINKLERS, VALVES, THE CONTROLLER, AND HIS LABOR.

DRAWING OF RECORD

THE CONTRACTOR SHALL SUPPLY TO THE OWNER A DRAFTED, SCALED, REPRODUCIBLE PLAN SHOWING ALL CHANGES MADE TO THE EXISTING IRRIGATION SYSTEM AND ALL NEWLY INSTALLED COMPONENTS INCLUDING ALL SPRINKLERS, INCLUDING BODY TYPES AND NOZZLES, PIPE, INCLUDING SIZES AND THE ENDS OF SLEEVING LOCATIONS AS MEASURED FROM AT LEAST TWO FIXED OBJECTS, CONTROLLER, AND WIRE ROUTING. THIS PLAN MAY BE AN ADAPTATION OF THE IRRIGATION DESIGN WITH ANY CHANGES DRAFTED ON THIS PLAN. THE DRAWING SHALL ALSO PROVIDE A MINIMUM OF TWO (2) DIMENSIONS TAKEN FROM FIXED OBJECTS TO EACH AUTOMATIC VALVE AND MANUAL CONTROL VALVE.

ADDITIONAL SUBMITTALS

SUPPLY TO THE OWNER ALL INSTRUCTION SHEETS AND PARTS LISTS COVERING ALL OPERATING AND ELECTRICAL-RELATED EQUIPMENT, BOUND IN ONE FOLDER. FURNISH THE OWNER WITH ANY KEYS FOR LOCKABLE ITEMS ON THIS SYSTEM.

RAIN GAUGE

ASSURE THAT EACH CONTROLLER IS INTERFACED WITH A RAIN SWITCH WHICH WILL SHUT THE SYSTEM OFF IN CASE OF RAIN OR FREEZING WEATHER.

MISCELLANEOUS

ANY IRRIGATION ITEMS NORMALLY INSTALLED IN LANDSCAPE AREAS THAT ARE SHOWN OUTSIDE OF LANDSCAPE AREAS OR OUTSIDE OF THE PROPERTY LINES ARE SHOWN AS SUCH FOR GRAPHIC CLARITY ONLY. INSTALL THESE ITEMS INSIDE OF PROPERTY LINES AND IN LANDSCAPE AREAS. CONTACT THE OWNER OR LANDSCAPE ARCHITECT PRIOR TO INSTALLATION IF IN ANY DOUBT OF HEAD, LINE OR ZONE PLACEMENT.

ASSURE THAT THE SYSTEM PROVIDES 100% COVERAGE OF ALL LANDSCAPED AREAS. REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT BEFORE COMMENCING WITH THE INSTALLATION.

ALL APPLICABLE CODES SHALL TAKE PRECEDENCE OVER THESE PLANS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH ALL APPLICABLE CODES.

THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO MAKE MINOR FIELD CHANGES.

FIELD ADJUST NOZZLE SELECTION LOCATIONS AND PLUMB OF SPRINKLERS AND SPACING OF DRIP TUBING TO PROVIDE PROPER COVERAGE.

No.	REVISIONS	DATE	BY
	DESIGN DEVELOPMENT SUBMITTAL	05-21-24	--
	90% CONSTRUCTION DOCUMENTS	07-02-24	--
	SITE DEVELOPMENT REVIEW	09-06-24	--
	SITE DEVELOPMENT REVIEW	12-20-24	--
	SITE DEVELOPMENT REVIEW & BID ADDENDUM NO. 1	01-22-25	--
	NOT FOR CONSTRUCTION	--	--

GAINESVILLE APPROVED
DATE: 02/13/25
LD24-000087 - Intermediate - Tom Retty Park Pickleball

Kimley»Horn
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800 SW 2ND AVENUE, SUITE 100, GAINESVILLE, FL 32601
PHONE: 352-374-3274
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

FLORIDA LANDSCAPE ARCHITECT LA 6666722 CLAIRE ELISABETH ANDERSON STATE OF FLORIDA

GAINESVILLE REVIEWED FOR CODE COMPLIANCE
SW25-000012 - SITE WORK
Tom Petty Park (LD24-000087)
02/28/25

KHA PROJECT 142107025
DATE JANUARY 2025
SCALE AS
DESIGNED
DRAWN
CHECK

IRRIGATION TECHNICAL SPECIFICATIONS

TOM PETTY PARK
PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
WILD SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

SHEET NUMBER
L3.08

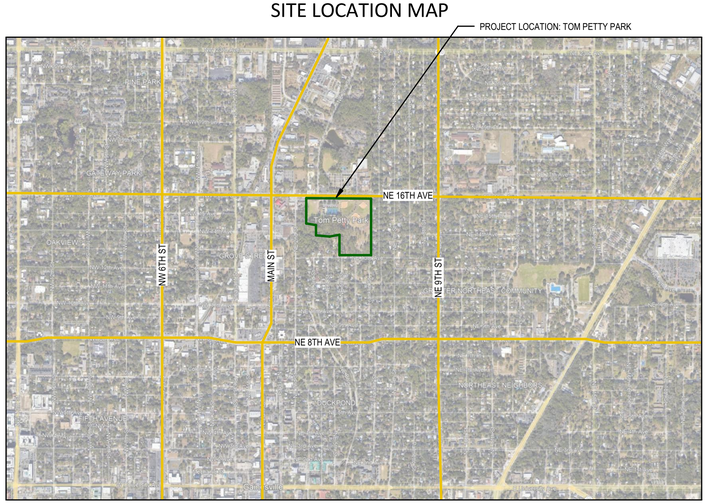
GAINESVILLE APPROVED
DATE: 02/13/25
LD24-000087 - Intermediate - Tom Petty Park Pickleball

TOM PETTY PARK TRAIL LIGHTING

CITY OF GAINESVILLE

501 NE 16th AVENUE
GAINESVILLE, FL 32601

SITE LOCATION MAP



Sheet List	
G001	COVER
E001	ELECTRICAL LEGEND, CODES, & ABBREVIATIONS
E101	ELECTRICAL PHOTOMETRIC PLAN

GAINESVILLE REVIEWED FOR CODE COMPLIANCE
SW25-000012 - SITE WORK - Tom Petty Park (LD24-000087)
02/28/25

This item has been digitally signed and sealed by ANDREW MCCADDIN 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.

ANDREW P. MCCADDIN ★ LICENSE ★ No. 83318 ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER

Mitchell Gulledge Engineering, Inc.
204 SW 4th Ave Gainesville, FL 32601
352-745-3991 EB# 31501

Refer to code versions listed in the complete set of documents to confirm the code edition being applied.

Andrew McCaddin
Div 26
2024.12.18 16:02:45-05'00'

100% CONSTRUCTION DOCUMENTS
DECEMBER 18, 2024

MG mitchell • gulledge engineering

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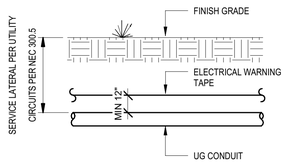
24057



1 BURIED CONDUIT DETAIL
NOT TO SCALE

EXAMPLE PANELBOARD LABEL

PROVIDE ENGRAVED PLASTIC TAG WITH 1/4" HIGH LETTERS.
NORMAL POWER: BLACK LETTERS ON WHITE BACKGROUND.
DIMENSIONS SHOWN ARE MINIMUM.

2 ELECTRICAL EQUIPMENT LABELING DETAIL
NOT TO SCALE

3 ELECTRICAL WIRING DEVICE LABEL DETAIL
NOT TO SCALE

LEGEND

RECEPTACLE:

ⓓ	DUPLEX RECEPTACLE. 18" AFF UNO.
Ⓨ	SPECIAL PURPOSE RECEPTACLE. 18" AFF UNO. COORDINATE WITH EQUIPMENT.

RECEPTACLE SUBSCRIPTS:

G	GFCI-TYPE RECEPTACLE.
GCB	GFCI-TYPE POWER FROM BRANCH CIRCUIT BREAKER.
WP	WEATHER RESISTANT WIRING DEVICE. WP RECEPTACLES SHALL BE GFCI TYPE WITH IN-USE COVERS.
6-30R	NEMA RECEPTACLE TYPE.

POWER EQUIPMENT AND CONNECTIONS:

	DISTRIBUTION PANELBOARD.
	PANELBOARD.
Ⓔ	ELECTRICAL CONNECTION TO EQUIPMENT. SEE ELECTRICAL EQUIPMENT SCHEDULE.
Ⓙ	JUNCTION BOX.
Ⓟ	DIRECT BURY POWER POLE WITH TWO GFCI DUPLEX RECEPTACLES. BOD: PEDOC 5-54-C-HT-B-140.
	SAFETY SWITCH. MOUNT AS INDICATED. 60" TO TOP UNO.
	FUSED SAFETY SWITCH. MOUNT AS INDICATED. 60" TO TOP UNO.

CONTROLS:

$	TOGGLE SWITCH. 46" AFF UNO.
TC	120/277V ASTRONOMICAL TIME CLOCK. BOD: PARAGON SUNTRACKER II.

ANNOTATIONS:

①	ELECTRICAL SHEET NOTE.
AH 111	MECHANICAL EQUIPMENT TAG.

GENERAL SUBSCRIPTS (APPLY TO ALL CATEGORIES):

2P1A	ELECTRICAL EQUIPMENT TAG.
GCB	FED FROM GFCI TYPE CIRCUIT BREAKER.
72"	INDICATES HEIGHT OF FIXTURE, RECEPTACLE, BOX, CABINET, ETC. HEIGHT IS TO CENTERLINE UNLESS OTHERWISE INDICATED.
WP	WEATHERPROOF INSTALLATION, WITH APPROPRIATELY LISTED OR INDICATED PRODUCTS.
A-1	ELECTRICAL HOME RUN TO PANELBOARD. UNDERLINED LABEL INDICATES PANELBOARD NAME AND CIRCUIT NUMBER. UNLESS INDICATED OTHERWISE, DEFAULT WIRING IS #12 & #12G. PROVIDE CONDUCTORS AS NEEDED FOR INDICATED SWITCHED LEGS, ZONES, ETC. SEE ELECTRICAL EQUIPMENT SCHEDULE FOR SPECIFIC CIRCUIT SIZING.

GRU PLANNING AND INSPECTIONS

1. WORK SHALL BE PLANNED AND COORDINATED WITH GRU PRIOR TO COMMENCEMENT. BEFORE BACKFILL AND CONCRETE POURING, INSTALLATION SHALL BE INSPECTED AND APPROVED BY GRU. GRU INSPECTION MAY INCLUDE, BUT IS NOT LIMITED TO, DEPTH OF COVER AND LOCATION OF CONDUITS, RISERS, PULLBOX INSTALLATION, CONCRETE BASE FRAMING, ETC.
2. REVIEW AND COMPLY WITH GRU ENERGY DELIVERY SERVICE GUIDE.

LOCATES AND UG WORK

1. PRIOR TO ANY WORK PROVIDE LOCATES ALONG TRENCHING AND DIRECTIONAL BORING PATHS.
2. PROVIDE MANUAL DIGGING WHERE MECHANICAL DIGGING POSES RISK OF DAMAGE TO EXISTING UG UTILITIES.

ABBREVIATIONS

A	AMPS
AC	ALTERNATING CURRENT
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPS INTERRUPTING CAPACITY
AI	ALUMINUM
AWG	AMERICAN WIRE GAUGE
BJ	BONDING JUMPER
BOD	BASIS OF DESIGN
C	DEGREES CELSIUS
C	CONDUIT
CB	CIRCUIT BREAKER
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED, OWNER INSTALLED
CKT	CIRCUIT
Cu	COPPER
CU	CONDENSING UNIT
DC	DIRECT CURRENT
DIV	DIVISION
ECB	ENCLOSED CIRCUIT BREAKER
EGC	EQUIPMENT GROUNDING CONDUCTOR
EOR	ENGINEER OF RECORD
FSS	FUSED SAFETY SWITCH
G	GROUND
G	GFCI-TYPE (WHEN LABELING RECEPTACLES)
GCB	GFCI CIRCUIT BREAKER
GEC	GROUNDING ELECTRODE CONDUCTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
GRU	GAINESVILLE REGIONAL UTILITIES
LB(S)	POUND(S)
lm	LUMEN
LSI	LONG, SHORT, INSTANTANEOUS
LSIG	LONG, SHORT, INSTANTANEOUS, GROUND-FAULT
LTG	LIGHTING
LTS	LIGHTS
MCA	MINIMUM CIRCUIT AMPACITY
MCCB	MOLDED CASE CIRCUIT BREAKER
MBJ	MAIN BONDING JUMPER
MOCP	MAXIMUM OVERCURRENT PROTECTION
N1	NEMA 1
N3R	NEMA 3R
NEU	NEUTRAL
OCP	OVERCURRENT PROTECTION
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OH	OVERHEAD
PBD	PANELBOARD
P&C	PLUG AND CORD
PQM	POWER QUALITY METER
SCCR	SHORT CIRCUIT CURRENT RATING
SCH	SCHEDULE
SBJ	SYSTEM BONDING JUMPER
SS	SAFETY SWITCH
SS	STAINLESS STEEL
SSBJ	SUPPLY SIDE BONDING JUMPER
SPD	SURGE PROTECTIVE DEVICE
SWBD	SWITCHBOARD
TBD	TO BE DETERMINED
TM	THERMAL MAGNETIC
TR	TAMPER RESISTANT
TS	TOGGLE SWITCH
TYP	TYPICAL
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
USB	UNIVERSAL SERIAL BUS
V	VOLTS
VA	VOLT AMPS
W	WATTS
WP	WEATHER PROOF/WEATHER RESISTANT
WR	WEATHER PROOF/WEATHER RESISTANT
WRT	WITH RESPECT TO
WSR	WITHSTAND RATING

CODES AND STANDARDS

ALL PROJECT WORK SHALL BE GOVERNED BY AND ADHERE TO THE FOLLOWING CODES AND STANDARDS.

1. FLORIDA BUILDING CODE - EIGHTH EDITION (2023)
2. FLORIDA BUILDING CODE - EIGHTH EDITION (2023) - ENERGY CONSERVATION
3. FLORIDA FIRE PREVENTION CODE - EIGHTH EDITION (2023)
   A. FIRE CODE (NFPA 1 - 2021 FLORIDA EDITION)
   B. LIFE SAFETY CODE (NFPA 101 - 2021 FLORIDA EDITION)
4. NATIONAL ELECTRIC CODE (2020 NFPA 70).
5. UNDERWRITERS' LABORATORIES (UL)
6. AMERICAN NATIONAL STANDARDS INSTITUTION (ANSI)
7. AMERICAN SOCIETY OF TESTING MATERIALS (ASTM)
8. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)
9. NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)
10. INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)
11. NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION (NECA)
12. ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA)
13. TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA)
14. ELECTRONICS INDUSTRY ALLIANCE (EIA)
15. GRU ENERGY DELIVERY SERVICE GUIDE
16. CITY OF GAINESVILLE LAND DEVELOPMENT CODE

NO.	REVISIONS	DATE	BY
	DESIGN DEVELOPMENT SUBMITTAL	05-21-24	–
	90% CONSTRUCTION DOCUMENTS	07-02-24	–
	SITE DEVELOPMENT REVIEW	09-06-24	–
	RESUBMITTAL #1	12-20-24	–
	SITE DEVELOPMENT REVIEW & BID ADDENDUM NO. 1	01-22-25	
	NOT FOR CONSTRUCTION		

GAINESVILLE APPROVED
DATE: 02/13/25
LD24-000087 - Intermediate - Tom Retty Park Pickleball

Kimley»Horn

Mitchell Gulledge Engineering, Inc.
204 SW 4th Ave Gainesville, FL 32601
352-745-3991 (MG OFC)

Refer to code-compliance plans for non-electrical documents by Architect of Record

Andrew McCagg
2025.01.22 10:12:02

GAINESVILLE REVIEWED FOR CODE COMPLIANCE
SW25-000012 - SITE WORK - Tom Petty Park (LD24-000087)
02/28/25

KHA PROJECT 142107025
DATE DECEMBER 2024
SCALE AS SHOWN
DESIGNED
DRAWN
CHECKED

ELECTRICAL LEGEND, CODES, & ABBREVIATIONS

TOM PETTY PARK
PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
WIL SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

SHEET NUMBER
E001

MG mitchell • gulledge engineering

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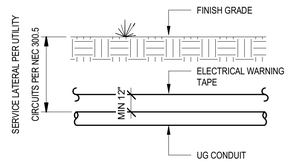
www.mitchellgulledge.com MG#24005

② SIMILAR BOLLARD AT DEPOT PARK
NOT TO SCALE



① BURIED CONDUIT DETAIL
NOT TO SCALE

LEGEND

POWER EQUIPMENT AND CONNECTIONS:

- PANELBOARD.
- IN GRADE HANDHOLE.

CONTROLS:

- $ — TOGGLE SWITCH. 46" AFF UNO.
- TC — 120/277V ASTRONOMICAL TIME CLOCK. BOD: PARAGON SUNTRACKER II.
- PC — 120/277V 20A PHOTOCELL.

ANNOTATIONS:

- (1) — ELECTRICAL SHEET NOTE.

GENERAL SUBSCRIPTS (APPLY TO ALL CATEGORIES):

- 2P1A — ELECTRICAL EQUIPMENT TAG.
- GCB — FED FROM GFCI TYPE CIRCUIT BREAKER.
- 72" — INDICATES HEIGHT OF FIXTURE, RECEPTACLE, BOX, CABINET, ETC. HEIGHT IS TO CENTERLINE UNLESS OTHERWISE INDICATED.
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3. FLORIDA FIRE PREVENTION CODE - EIGHTH EDITION (2023)
   - A. FIRE CODE (NFPA 1 - 2021 FLORIDA EDITION)
   - B. LIFE SAFETY CODE (NFPA 101 - 2021 FLORIDA EDITION)
4. NATIONAL ELECTRIC CODE (2020 NFPA 70).
5. UNDERWRITERS' LABORATORIES (UL)
6. AMERICAN NATIONAL STANDARDS INSTITUTION (ANSI)
7. AMERICAN SOCIETY OF TESTING MATERIALS (ASTM)
8. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)
9. NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)
10. INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)
11. NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION (NECA)
12. ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA)
13. TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA)
14. ELECTRONICS INDUSTRY ALLIANCE (EIA)
15. GRU ENERGY DELIVERY SERVICE GUIDE
16. CITY OF GAINESVILLE LAND DEVELOPMENT CODE

GRU PLANNING AND INSPECTIONS

1. WORK SHALL BE PLANNED AND COORDINATED WITH GRU PRIOR TO COMMENCEMENT. BEFORE BACKFILL AND CONCRETE POURING, INSTALLATION SHALL BE INSPECTED AND APPROVED BY GRU. GRU INSPECTION MAY INCLUDE, BUT IS NOT LIMITED TO, DEPTH OF COVER AND LOCATION OF CONDUITS, RISERS, PULLBOX INSTALLATION, CONCRETE BASE FRAMING, ETC.

LOCATES AND UG WORK

1. PRIOR TO ANY WORK PROVIDE LOCATES ALONG TRENCHING AND DIRECTIONAL BORING PATHS.
2. PROVIDE MANUAL DIGGING WHERE MECHANICAL DIGGING POSES RISK OF DAMAGE TO EXISTING UG UTILITIES.

NARRATIVE

- 5' BOLLARD LUMINAIRES TO BE INSTALLED ALONG PAVED NORTH-SOUTH PATHWAY IN TOM PETTY PARK, FROM NE 13TH AVE TO PARKING LOT OFF OF NE 16TH AVE.
- LUMINAIRES TO BE POWERED FROM PANELBOARD IN RESTROOM BUILDING AND CONTROLLED BY PHOTOCELL AND TIMECLOCK AT RESTROOM BUILDING.
- FOOT-CANDLE CALCULATIONS SHOWN ALONG PATHWAY AND FOR SOUTHERN PROPERTY LINES ALONG ROAD AND RESIDENCE.
- ALL FIXTURES ARE FULL CUTOFF LESS THAN 1800 LUMEN. PER COG 30-6.12.c.8., FIXTURES ARE EXEMPT.

ABBREVIATIONS

A	AMPS
AC	ALTERNATING CURRENT
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPS INTERRUPTING CAPACITY
AI	ALUMINUM
AWG	AMERICAN WIRE GAUGE
BJ	BONDING JUMPER
BOD	BASIS OF DESIGN
C	DEGREES CELSIUS
C	CONDUIT
CB	CIRCUIT BREAKER
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED, OWNER INSTALLED
CKT	CIRCUIT
Cu	COPPER
CU	CONDENSING UNIT
DC	DIRECT CURRENT
DIV	DIVISION
ECB	ENCLOSED CIRCUIT BREAKER
EGC	EQUIPMENT GROUNDING CONDUCTOR
EOR	ENGINEER OF RECORD
FSS	FUSED SAFETY SWITCH
G	GROUND
G	GFCI-TYPE (WHEN LABELING RECEPTACLES)
GCB	GFCI CIRCUIT BREAKER
GEC	GROUNDING ELECTRODE CONDUCTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
GRU	GAINESVILLE REGIONAL UTILITIES
LB(S)	POUND(S)
lm	LUMEN
LSI	LONG, SHORT, INSTANTANEOUS
LSIG	LONG, SHORT, INSTANTANEOUS, GROUND-FAULT
LTG	LIGHTING
LTS	LIGHTS
MCA	MINIMUM CIRCUIT AMPACITY
MCCB	MOLDED CASE CIRCUIT BREAKER
MBJ	MAIN BONDING JUMPER
MOCP	MAXIMUM OVERCURRENT PROTECTION
N1	NEMA 1
N3R	NEMA 3R
NEU	NEUTRAL
OCP	OVERCURRENT PROTECTION
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OH	OVERHEAD
PBD	PANELBOARD
P&C	PLUG AND CORD
PQM	POWER QUALITY METER
SCCR	SHORT CIRCUIT CURRENT RATING
SCH	SCHEDULE
SBJ	SYSTEM BONDING JUMPER
SS	SAFETY SWITCH
SS	STAINLESS STEEL
SSBJ	SUPPLY SIDE BONDING JUMPER
SPD	SURGE PROTECTIVE DEVICE
SWBD	SWITCHBOARD
TBD	TO BE DETERMINED
TM	THERMAL MAGNETIC
TR	TAMPER RESISTANT
TS	TOGGLE SWITCH
TYP	TYPICAL
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
USB	UNIVERSAL SERIAL BUS
V	VOLTS
VA	VOLT AMPS
W	WATTS
WP	WEATHER PROOF/WEATHER RESISTANT
WR	WEATHER PROOF/WEATHER RESISTANT
WRT	WITH RESPECT TO
WSR	WITHSTAND RATING

GAINESVILLE APPROVED
DATE: 02/28/2025

Mitchell Gulledge Engineering, Inc.
204 SW 4th Avenue
Gainesville, FL 32601
FL CA#26618 EB-31501 p.352.745.3991
Interested@mgdge.com

LD24-000087
Tom Petty Park Pickleball

This item has been digitally signed and sealed by ANDREW MCCADDIN on the date adjacent to the seal.

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Mitchell Gulledge Engineering, Inc.
204 SW 4th Ave Gainesville, FL 32601
352-745-3991 EB# 31501

Refer to state persons listed in the complete set of documents for full list of disciplines.

LICENSED PROFESSIONAL ENGINEER No. 83318 STATE OF FLORIDA

"Andrew McCaddin
2024.12.18 16:05:24-05'00'
Andrew P. McCaddin
PE - 83318

GAINESVILLE REVIEWED FOR CODE COMPLIANCE
SW25-000012 - SITE WORK -
Tom Petty Park (LD24-000087)
02/28/25

PROJECT NAME:
CITY OF GAINESVILLE
TOM PETTY PARK TRAIL LIGHTING

OWNER:
CITY OF GAINESVILLE
501 NE 16th AVENUE
GAINESVILLE, FL 32601

OWNER'S PROJECT NUMBER:

MG PROJECT NUMBER: 24057

REVISIONS:

REV	DESC	DATE

ISSUE:
100% CONSTRUCTION DOCUMENTS

ISSUE DATE:
DECEMBER 18, 2024

CHECKED BY:
APM

SHEET TITLE:
ELECTRICAL LEGEND, CODES, & ABBREVIATIONS

SHEET NUMBER:
E001

GENERAL NOTE

NO SIGNIFICANT CONFLICTS WITH LANDSCAPING ARE ANTICIPATED. NO SIGNIFICANT GRADE CHANGES ARE ANTICIAPTED.

GARDCO

Site and Area

PureForm

PBL LED bollard

Gardco PureForm LED bollard PBL integrates a sleek, low profile design, extraordinary light output, and energy savings into an innovative pedestrian scale luminaire. PureForm bollard features a high performance optical system designed to achieve wide spacings and full cutoff performance. Three heights available for a customized look. IP66 optics ensure dust or moisture will never interfere with performance.

Project:
Location:
Cat.No:
Type:
Lamps: Qty:
Notes:

Ordering guide

example: PBL-42-14L-450-NW-G2-5-UNV

Luminaire	Shaft Height	Number of LEDs	Drive Current	LED Color - generation	Distribution	Emergency	Voltage
PBL PureForm bollard	36 Standard Shaft 36"	14L 14 LEDs (full ring)	100 100mA	WW-G2 Warm White 3000K, 80CRI Generation 2	Type 3	Leave blank for no battery	120 120V
	42 Standard Shaft 42"		200 200mA		3 Type 3	EBP Emergency battery[2,7,10]	208 208V
	60 Standard Shaft 60"		350 350mA	NW-G2 Neutral White 4000K, 80CRI Generation 2	Type 5		240 240V
			450 450mA		5 Type 5		277 277V
			600 600mA	CW-G2 Cool White 5000K, 80CRI Generation 2			347 347V
			800 800mA				480 480V
			1050 1050mA				UNV 120-277V (50/60HZ)

Options				
Dimming controls	Motion Sensing	Photo-sensing	Electrical	Finish
DD 0-10V External dimming (by others) [3,4]	IMRI Integral Infrared [4,8]	PCB Photocontrol button [4,5,6,11]	Fusing	Textured
FAWS Field Adjustable [3,4]			F1 Single (120, 277, 347VAC)[1]	BK Black
LLC Wireless controls without PIR sensor [3,4,5]			F2 Double (208, 240, 480VAC)[1]	WH White
BL Bi-level functionary with motion sensor [3,11]			F3 Canadian Double Pull (208, 240, 480VAC)[1]	BZ Bronze
				DGY Dark Gray
				MDY Medium Gray
DynaDimmer: Automatic Profile Dimming [3,4]			Surge Protection (10kA standard)	Customer Specified
CS50 Security 50% dimming, 7 hours			SP2 Increased 20kA	RAL Special optional color or RAL (ex: RAL7024)
CM50 Median 50% dimming, 8 hours			GFCI Ground Fault Interrupt. Outlet[9]	CC Custom color (must supply color chip for required factory quote)
CS30 Security 30% dimming, 7 hours				
CM30 Median 30% dimming, 8 hours				

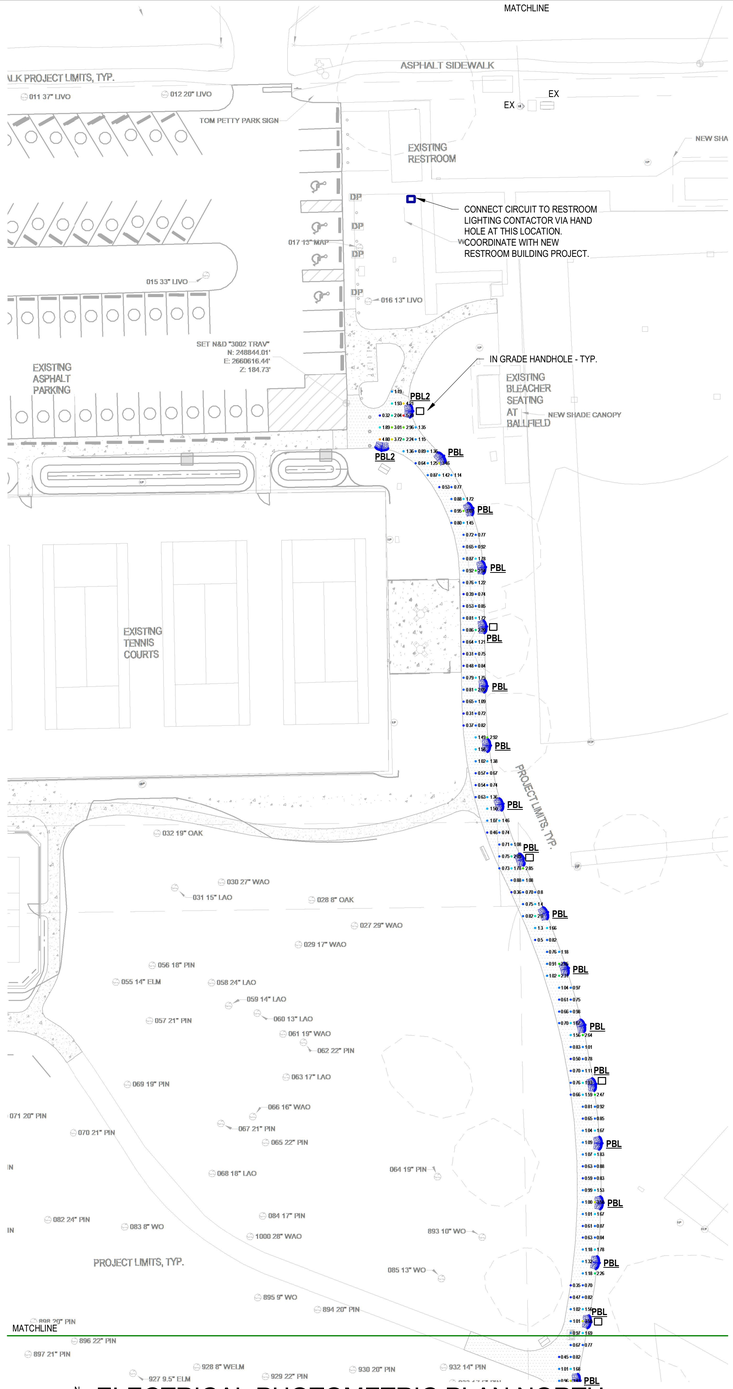
1. Extended lead times apply. Contact factory for details.
2. Not available in 100, 200 or 350mA.
3. Not available with other control options.
4. Not available with motion sensor.
5. Not available with photocontrol.
6. Available only with BL dimming control.
7. Not available with LLC and CS/CM.
8. Must specify input voltage.
9. Available in 120V only.
10. Not available in 347 or 480V.
11. Not available in 100, 200, and 1050mA.
12. Not available with LLC.

Accessories

Service	12NC	Description
	(4) 3/8X8X1.5 A/B 2N-2W-ILW + (1) Template	
For shipment with the bollard (order 1 per bollard)	912401538601	KIT, PBL ANCHOR BOLTs & TEMPL

DARKSKY APPROVED Reduces light pollution. Certified by DarkSky.org 3000K only

PBL PureForm bollard 04/24 page 1 of 4



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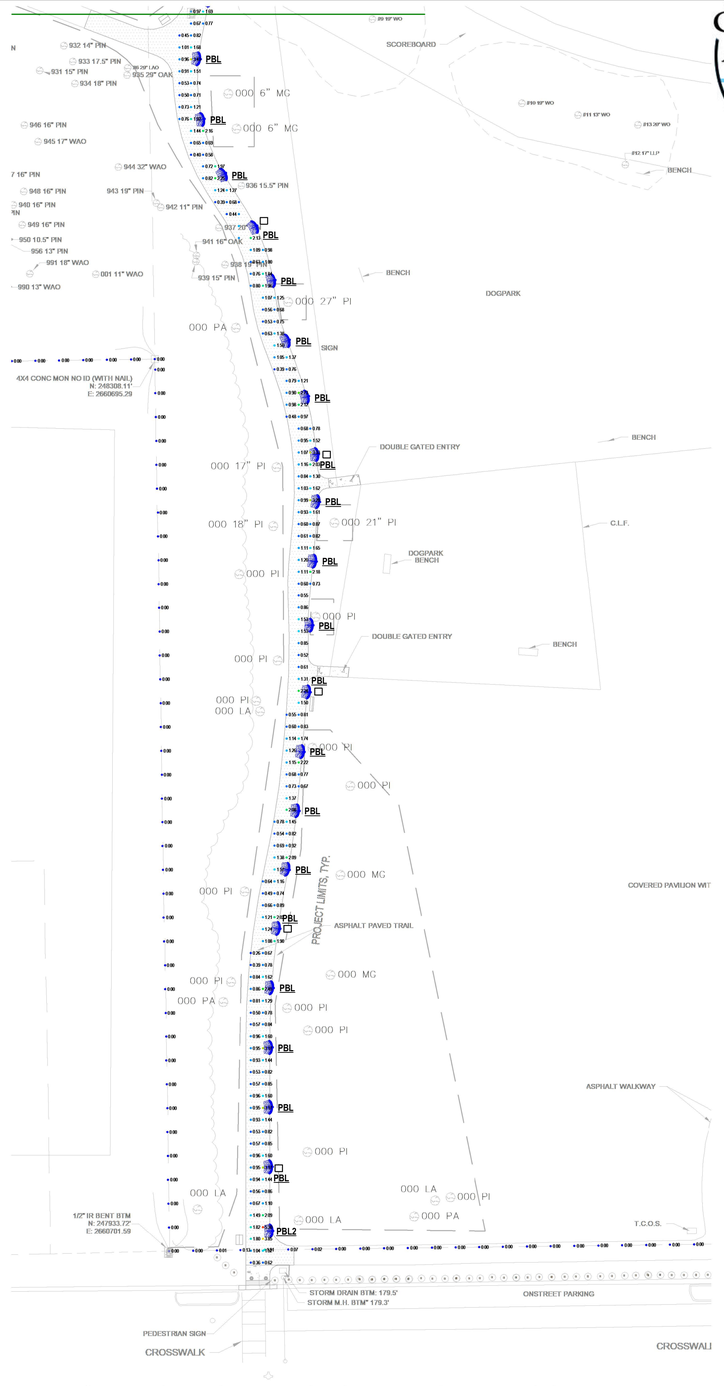
ELECTRICAL PHOTOMETRIC PLAN NORTH

1" = 30'-0"



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ELECTRICAL PHOTOMETRIC PLAN SOUTH

1" = 30'-0"

LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	BASIS OF DESIGN	LIGHT SOURCE	INITIAL LUMENS	COLOR TEMPERATURE	WATTAGE	VOLTAGE	MOUNTING	NOTES
PBL	LED BOLLARD 100 mA	SIGNIFY GARDCO PBL-60-14L-200-NW-G2-3-UNV	LED	586 lm	4000 K	6 VA	UNV	CONCRETE BASE	5' BOLLARD. FULL CUTOFF, EXEMPT PER COG 30-6.12.c.8. PROVIDE CONCRETE BASE.
PBL2	LED BOLLARD 200mA	SIGNIFY GARDCO PBL-60-14L-200-NW-G2-3-UNV	LED	1146 lm	4000 K	10 VA	UNV	CONCRETE BASE	5' BOLLARD. FULL CUTOFF, EXEMPT PER COG 30-6.12.c.8. PROVIDE CONCRETE BASE.

NOTES:
1. SUBMIT ALTERNATES TO A/E FOR CONSIDERATION A MINIMUM OF 10 BUSINESS DAYS PRIOR TO BID. SUBMIT FIXTURE "CUT SHEET", INDICATING ALL INTENDED RATINGS AND OPTIONS.
2. A/E WILL REVIEW ALTERNATES TO DETERMINE IF THEY ARE FUNCTIONALLY, AESTHETICALLY, AND STRUCTURALLY EQUAL. A/E RESERVE THE RIGHT TO REJECT ANY FIXTURES WHICH ARE NOT DEEMED EQUAL TO THE BASIS OF DESIGN.
3. ALTERNATES REJECTED BY A/E SHALL NOT RESULT IN ADDITIONAL CHARGES TO THE OWNER.

PHOTOMETRIC RESULTS

Calculation Points Name	Average	Maximum	Minimum	Avg/Min	Max/Min	
TRAIL	1.27 fc	5.70 fc	0.26 fc	4.9	21.8	30-6.12.E.3.c. MINIMUM 0.2FC ON PEDESTRIAN WALKWAYS.
ROAD	0.09 fc	1.81 fc	0.00 fc	15028.2	306988.3	30-6.12.D.2.b.IV. MAXIMUM 5.0FC AT ROADWAY PROPERTY LINE.
RESIDENTIAL	0.00 fc	0.00 fc	0.00 fc	10.8	23.5	30-6.12.D.2.b.II. MAXIMUM 0.5FC AT RESIDENTIAL PROPERTY LINE.

GAINESVILLE APPROVED

Mitchell Gulledge Engineering, Inc.
204 SW 4th Avenue
Gainesville, FL 32601
FL CA#26678 EB-31501 p.352.745.3991
Interested@mgengr.com

DATE: 02/28/25

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Mitchell Gulledge Engineering, Inc. 204 SW 4th Ave Gainesville, FL 32601 352-745-3991 EB# 31501

Refer to cover sheet for code versions listed in the complete set of documents to which this sheet belongs.

Andrew McCaddin
2024.12.18 16:05:09-05'00'
Andrew P. McCaddin
PE - 83318

GAINESVILLE REVIEWED FOR CODE COMPLIANCE
SW25-000012 - SITE WORK -
Tom Petty Park (LD24-000087)
02/28/25

PROJECT NAME:
CITY OF GAINESVILLE
TOM PETTY PARK TRAIL LIGHTING

OWNER:
CITY OF GAINESVILLE
501 NE 16th AVENUE
GAINESVILLE, FL 32601

OWNER'S PROJECT NUMBER:

MG PROJECT NUMBER: 24057

REVISIONS:

REV	DESC	DATE

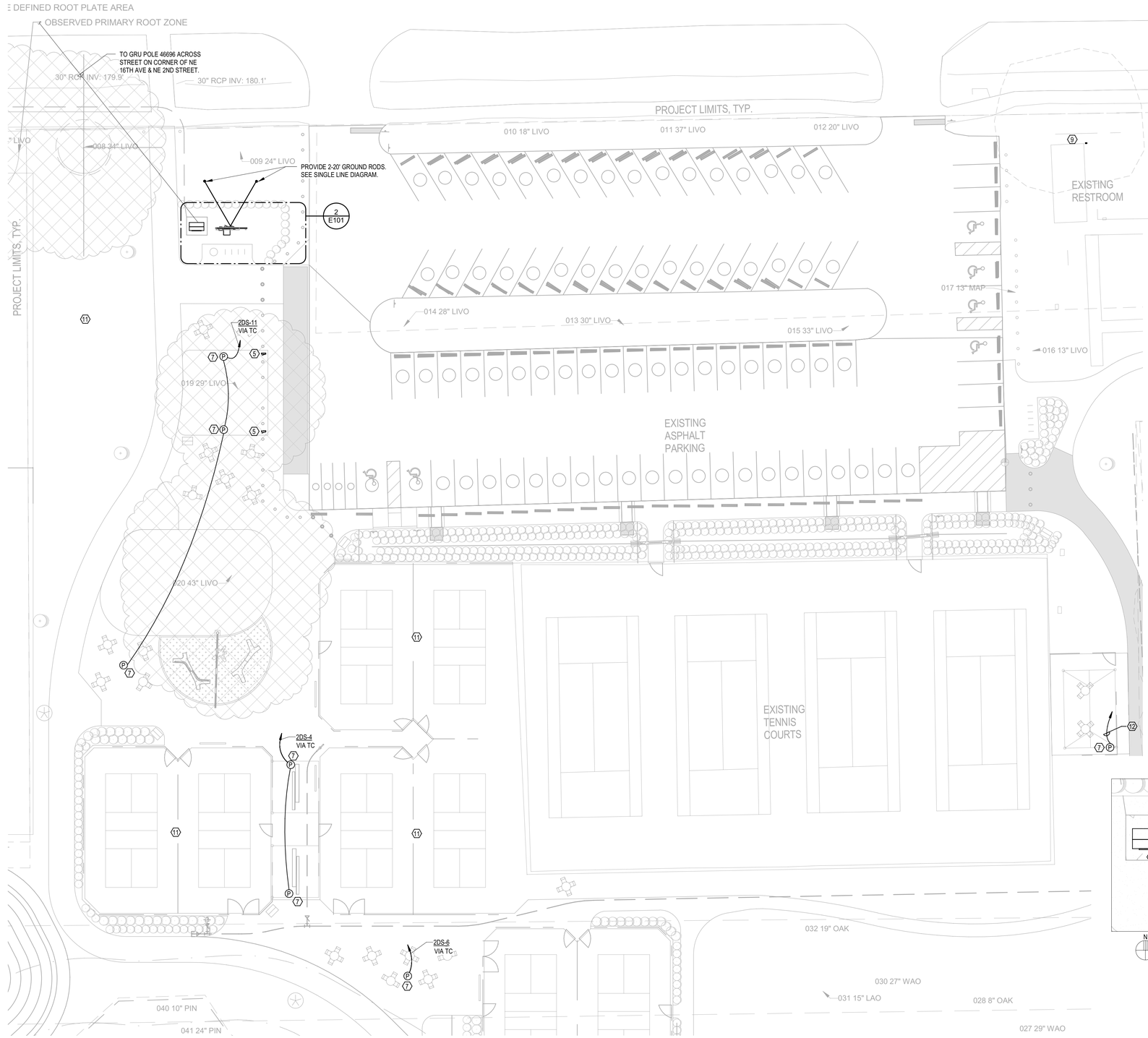
ISSUE:
100% CONSTRUCTION DOCUMENTS

ISSUE DATE:
DECEMBER 18, 2024

CHECKED BY:
APM

SHEET TITLE:
ELECTRICAL PHOTOMETRIC PLAN

SHEET NUMBER:
E101



N
ELECTRICAL NORTH SITE PLAN
1" = 20'-0"

NO.	REVISIONS	DATE	BY
	DESIGN DEVELOPMENT SUBMITTAL	05-21-24	–
	90% CONSTRUCTION DOCUMENTS	07-02-24	–
	SITE DEVELOPMENT REVIEW RESUBMITTAL #1	09-06-24	–
	SITE DEVELOPMENT REVIEW & BID ADDENDUM NO. 1	12-20-24	–
	NOT FOR CONSTRUCTION	01-22-25	–

SHEET NOTES

1. 480Y/277V 3 PHASE PAD MOUNT UTILITY TRANSFORMER. PROVIDE PAD, CONDUITS, ETC PER GRU EDSG. COORDINATE ALL WORK WITH GRU.
2. PROVIDE 480Y/277V 400A NEMA 3R MCB PANELBOARD. MOUNT ON CONCRETE POST AND STRUT RACK NEXT TO NEW TRANSFORMER.
3. PROVIDE 75kVA NEMA 3R 480Y/277V PRIMARY 208Y/120V SECONDARY.
4. PROVIDE 208Y/120V 3 PHASE 4 WIRE 225A NEMA 3R MCB PANELBOARD. MOUNT ON UNISTRUT RACK.
5. PROVIDE MILBANK U5200-XL-75 125A SINGLE SIDED POWER PEDESTAL. PROVIDE 3# 3, 1#8G IN 1-1/2"C FROM 2DS.
6. EXISTING GRU PRIMARY METER, EXISTING PANELBOARD, AND EXISTING SITE TRANSFORMER TO REMAIN.
7. INSTALL POWER PEDESTAL NEAR SEATING AREA.
8. SELF-CONTAINED METER WITH MANUAL LEVEL BYPASS PER GRU EDSG.
9. PROVIDE TWO TIME CLOCKS FOR CONTROL OF ELECTRICAL POWER PEDESTALS. COORDINATE ON/OFF TIMES WITH OWNER. BOD INTERMATIC ET2845CR. RESTROOM BUILDING IS BEING REPLACED UNDER SEPARATE PROJECT. COORDINATE DURING CONSTRUCTION FOR INSTALLATION ON NEW BUILDING.
10. N3R FSS 200/200/3.
11. COORDINATE WITH SPORTS LIGHTING SCOPES AND ENSURE CONDUITS ARE PRESENT PRIOR TO CONCRETE/HARDSCAPE PREPARATION.
12. CONNECT TO A NEW 1P 20A CIRCUIT BREAKER IN EXISTING RESTROOM PANEL ROUTE THROUGH NEW TIME CLOCK AT RESTROOM BUILDING. PROVIDE NEW TIME CLOCK AT RESTROOM BUILDING. BOD INTERMATIC ET2845CR.

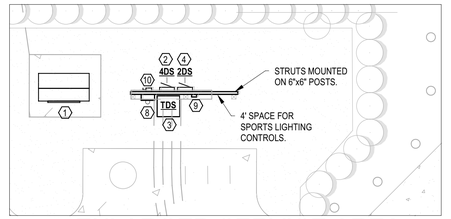
SITE AND COURT LIGHTING NOTE

LIGHT FIXTURES, POLES, AND THEIR ASSOCIATED CIRCUITS ARE PART OF A SEPARATE DESIGN. SEE LIGHTING DRAWINGS (PROVIDED BY OTHERS) FOR FIXTURE LOCATIONS, SPECIFICATIONS, CONTROLS, AND CIRCUIT REQUIREMENTS. SERVICE, FEEDERS, AND EQUIPMENT HAVE BEEN SIZED TO ACCOMMODATE THESE LOADS. COORDINATE EXACT SCOPE PRIOR TO BIDDING/PRICING.

SPORTS LIGHTING CIRCUIT SIZING

SEE CIVIL PLANS FOR SPORTS LIGHTING CIRCUIT ROUTES. THE FOLLOWING ARE BASED ON TOTAL WIRE LENGTH FROM THE PANELBOARD TO THE FARTHEST POLE CABINET. THIS INCLUDES RISERS. FOR FEEDS TRAVELING FROM POLE TO POLE, THE WORST CASE (LONGEST) RUN SHALL BE CALCULATED. THESE ARE FOR MAX THREE 540W FIXTURES PER PHASE, AND 480V THREE PHASE.

UP TO 600': 4#10 CU & #10 CU GROUND IN 1-1/2" CONDUIT.
UP TO 900': 4#8 CU & #8 CU GROUND IN 1-1/2" CONDUIT.
UP TO 1500': 4#6 CU & #6 CU GROUND IN 1-1/2" CONDUIT.



N
ENLARGED SERVICE AREA
1/8" = 1'-0"

MG mitchell + gulledge engineering
Mitchell Gulledge Engineering, Inc.
204 SW 4th Avenue
Gainesville, FL 32601
FL License EB-31501 p.352.745.3991
www.mitchellgulledge.com MG#24005

GAINESVILLE APPROVED
DATE: 02/13/25
LD24-000087 - Intermediate - Tom Retty Park Pickleball

Kimley»Horn

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Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.
Mitchell Gulledge Engineering, Inc. 204 SW 4th Ave Gainesville, FL 32601 352-745-3991 EB# 31501
Refer to code compliance for permitted documents to be distributed.
Andrew McCaskey No. 83318 STATE OF FLORIDA
2025.01.22 10:11:5

GAINESVILLE REVIEWED FOR CODE COMPLIANCE
SW25-000012 - SITE WORK - Tom Petty Park (LD24-000087)
02/28/25

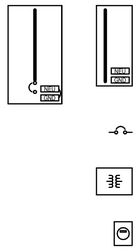
KHA PROJECT 142107025
DATE: DECEMBER 2024
SCALE: AS
DESIGNED
DRAWN
CHECK

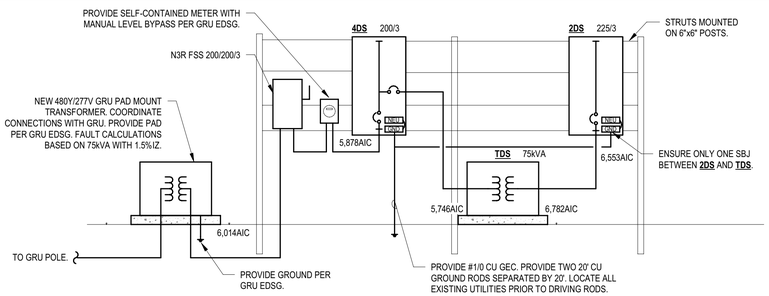
ELECTRICAL SITE PLAN

TOM PETTY PARK
PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
WIL SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

SHEET NUMBER
E101

SINGLE LINE DIAGRAM LEGEND





1 ELECTRICAL SINGLE LINE DIAGRAM
NOT TO SCALE

NO.	REVISIONS	DATE	BY
	DESIGN DEVELOPMENT SUBMITTAL	05-21-24	–
	90% CONSTRUCTION DOCUMENTS	07-02-24	–
	SITE DEVELOPMENT REVIEW	09-06-24	–
	RESUBMITTAL #1	12-20-24	–
	SITE DEVELOPMENT REVIEW & BID ADDENDUM NO. 1	01-22-25	
	NOT FOR CONSTRUCTION		

Branch Panel: 4DS

Location:
Supply From:
Mounting: SURFACE
Enclosure: NEMA 3R
Basis of Design: SQUARE D NF
Service Rated: YES
Pole Spaces: 42

Volts: 480/277 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 10,000
SPD: 50kA
PQM: NO

Phase Bus Rating: 200 A
MCB Rating: 200 A
Neutral Rating: 100.00%
Feeder Ampacity: 200 A
Feeder Phase Conductor: 3 #3/0
Feeder Neutral Conductor: 3 #3/0
Feeder Ground Conductor: 1 #6
Feeder Conduit: 2"
Number of Parallel Runs: 1

Notes:
PROVIDE MANUFACTURER'S INTEGRATED SPD.

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1				16400 VA			1468 VA						2
3	2DS VIA TDS	125 A	3		9060 VA			1468 VA		3	30 A	SPARE (1)	4
5						8920 VA			1468 VA				6
7	SPACE ONLY	--	1	--			1468 VA						8
9	SPACE ONLY	--	1		--			1468 VA		3	30 A	SPARE (1)	10
11	SPACE ONLY	--	1			--			1468 VA				12
13	SPACE ONLY	--	1	--			1468 VA						14
15	SPACE ONLY	--	1		--			1468 VA		3	30 A	SPARE (1)	16
17	SPACE ONLY	--	1			--			1468 VA				18
19	SPACE ONLY	--	1	--			1468 VA						20
21	SPACE ONLY	--	1		--			1468 VA		3	30 A	SPARE (1)	22
23	SPACE ONLY	--	1			--			1468 VA				24
25	SPACE ONLY	--	1	--			--			1	--	SPACE ONLY	26
27	SPACE ONLY	--	1		--			--		1	--	SPACE ONLY	28
29	SPACE ONLY	--	1			--			--	1	--	SPACE ONLY	30
31	SPACE ONLY	--	1	--			--			1	--	SPACE ONLY	32
33	SPACE ONLY	--	1		--			--		1	--	SPACE ONLY	34
35	SPACE ONLY	--	1			--			--	1	--	SPACE ONLY	36
37	SPACE ONLY	--	1	--			0 VA						38
39	SPACE ONLY	--	1		--			0 VA		3	60 A	SPD	40
41	SPACE ONLY	--	1			--			0 VA				42
		Total Load:		22272 VA			14932 VA		14792 VA				
		Total Amps:		80 A			54 A		53 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	500 VA	125.00%	625 VA		
Receptacle	1080 VA	100.00%	1080 VA	**Total Conn. Load:**	51996 VA
Spare	17616 VA	100.00%	17616 VA	**Total Est. Demand:**	50481 VA
FOOD TRUCK	32800 VA	95.00%	31160 VA	**Total Conn. Current:**	63 A
				Total Est. Demand Current:	61 A

Branch Panel: 2DS

Location:
Supply From: TDS
Mounting: SURFACE
Enclosure: NEMA 3R
Basis of Design: SQUARE D NQ
Service Rated: NO
Pole Spaces: 42

Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 10,000
SPD: 50kA
PQM: NO

Phase Bus Rating: 225 A
MCB Rating: 225 A
Neutral Rating: 100.00%
Feeder Ampacity: 225 A
Feeder Phase Conductor: 3 #4/0
Feeder Neutral Conductor: 1 #4/0
Feeder Ground Conductor: 1 #4
Feeder Conduit: 2-1/2" C
Number of Parallel Runs: 1

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	FOOD TRUCK PEDESTAL 1	100 A	2	8200 VA			0 VA			1	20 A	SPARE	2
3					8200 VA			360 VA		1	20 A	POWER POLE RECEPTACLE	4
5	FOOD TRUCK PEDESTAL 2	100 A	2			8200 VA			180 VA	1	20 A	POWER POLE RECEPTACLE	6
7				8200 VA			0 VA			1	20 A	SPARE	8
9	LIGHTING VENDOR CONTROL PANEL	20 A	1		500 VA			0 VA		1	20 A	SPARE	10
11	POWER POLE RECEPTACLE	20 A	1			540 VA			0 VA	1	20 A	SPARE	12
13	SPARE	20 A	1	0 VA			0 VA			1	20 A	SPARE	14
15	SPARE	20 A	1		0 VA			0 VA		1	20 A	SPARE	16
17	SPARE	20 A	1			0 VA			0 VA	1	20 A	SPARE	18
19	SPARE	20 A	1	0 VA			0 VA			1	20 A	SPARE	20
21	SPARE	20 A	1		0 VA			0 VA		1	20 A	SPARE	22
23	SPARE	20 A	1			0 VA			0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA			0 VA			1	20 A	SPARE	26
27	SPARE	20 A	1		0 VA			0 VA		1	20 A	SPARE	28
29	SPARE	20 A	1			0 VA			0 VA	1	20 A	SPARE	30
31	SPARE	20 A	1	0 VA			0 VA			1	20 A	SPARE	32
33	SPARE	20 A	1		0 VA			--		1	--	SPACE ONLY	34
35	SPARE	20 A	1			0 VA			--	1	--	SPACE ONLY	36
37	SPARE	20 A	1	0 VA			0 VA						38
39	SPARE	20 A	1		0 VA			0 VA		3	60 A	SPD	40
41	SPARE	20 A	1			0 VA			0 VA				42
		Total Load:		16400 VA			9060 VA		8920 VA				
		Total Amps:		137 A			76 A		74 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	500 VA	125.00%	625 VA		
Receptacle	1080 VA	100.00%	1080 VA	**Total Conn. Load:**	34380 VA
FOOD TRUCK	32800 VA	95.00%	31160 VA	**Total Est. Demand:**	32865 VA
				Total Conn. Current:	95 A
				Total Est. Demand Current:	91 A

SHEET NOTES

1 LOAD INCLUDED FOR SPORTS LIGHTING PER PRELIMINARY SPORTS LIGHTING DESIGN. FINAL BREAKER REQUIREMENTS FOR SPORTS LIGHTING WILL BE SPECIFIED BY THE RELEVANT SPORTS LIGHTING DESIGNS. THESE BREAKERS SHALL BE SPARE IF NOT USED BY SPORTS LIGHTING. COORDINATE AND PROVIDE AN ACCURATE PANEL DIRECTORY.

TRANSFORMER SCHEDULE

XFMR NAME	SUPPLY FROM	PRIMARY VOLTAGE	SECONDARY VOLTAGE	BASIS OF DESIGN	ENCLOSURE	kVA RATING	DESIGN %IZ	SECONDARY FAULT	OCP (A)	# OF RUNS	PRIMARY PHASE	PRIMARY NEUTRAL	PRIMARY GROUND	PRIMARY CONDUIT	PRIMARY °C RATING	OCP (A)	# OF RUNS	SECONDARY PHASE	SECONDARY NEUTRAL	SECONDARY SSBJ	SECONDARY CONDUIT	SECONDARY °C RATING	NOTES
TDS	4DS	480 DELTA	208 WYE	SQUARE D	NEMA 3R	75 kVA	3%	6.94 kA	125	1	3#1 Cu	N/A	1#6 Cu	1-1/2"	75	125	1	3#4/0 Cu	1#4/0 Cu	1#4 Cu	2-1/2"	75	

PANELBOARD INFORMATION SCHEDULE

PANEL NAME	BASIS OF DESIGN	MAINS RATING	MCB	VOLTAGE	POLE SPACES	AIC RATING	SERVICE RATED?	ENCLOSURE	MOUNTING	NEUTRAL RATING	FEEDER AMPS	# OF RUNS	PHASE	NEUTRAL	CIRCUIT GROUND	MATERIAL	CONDUIT	°C RATING	PQM	SPD
2DS	SQUARE D NQ	225 A	225 A	208Y/120V	42	10,000	NO	NEMA 3R	SURFACE	100.00%	225 A	1	3 #4/0	1 #4/0	1 #4	Cu	2-1/2" C	75°C	NO	50kA
4DS	SQUARE D NF	200 A	200 A	480Y/277Y	42	10,000	YES	NEMA 3R	SURFACE	100.00%	200 A	1	3 #3/0	3 #3/0	1 #6	Cu	2"	75°C	NO	50kA

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FL License EB-31501 p.352.745.3991
www.mitchellgulledge.com MG#24005

KHA PROJECT 142107025
DATE DECEMBER 2024
SCALE AS SHOWN
DESIGNED
DRAWN
CHECKED

ELECTRICAL SINGLE LINE DIAGRAM & SCHEDULES

TOM PETTY PARK
PICKLEBALL IMPROVEMENTS
PREPARED FOR
CITY OF GAINESVILLE
WIL SPACES & PUBLIC PLACES
GAINESVILLE FLORIDA

SHEET NUMBER
E201

Gainesville Tom Petty Park Pickleball

Gainesville,FL

Lighting System

Pole/Fixture Summary

Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Circuit
P1-P4	30'	30'	2	TLC-LED-550	1.08 kW	A
P5-P6	30'	30'	2	TLC-LED-550	1.08 kW	B
P7-P8	30'	30'	2	TLC-LED-550	1.08 kW	B
		30'	2	TLC-LED-550	1.08 kW	C
P9	30'	30'	2	TLC-LED-550	1.08 kW	C
P10	30'	30'	2	TLC-LED-550	1.08 kW	C
		30'	2	TLC-LED-550	1.08 kW	D
P11-P13	30'	30'	2	TLC-LED-550	1.08 kW	D
13			**32**		**17.28 kW**	

Circuit Summary

Circuit	Description	Load	Fixture Qty
A		4.32 kW	8
B		4.32 kW	8
C		4.32 kW	8
D		4.32 kW	8

Fixture Type Summary

Type	Source	Wattage	Lumens	L90	L80	L70	Quantity
TLC-LED-550	LED 5700K - 75 CRI	540W	67,000	>120,000	>120,000	>120,000	32

Single Luminaire Amperage Draw Chart

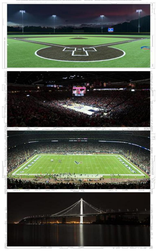
Driver Specifications (.90 min power factor)	Line Amperage Per Luminaire (max draw)						
	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
Single Phase Voltage	3.2	3.0	2.8	2.4	1.9	1.8	1.4
TLC-LED-550							

Light Level Summary

Calculation Grid Summary

Grid Name	Calculation Metric	Illumination					Circuits	Fixture Qty
		Ave	Min	Max	Max/Min	Ave/Min		
Pickleball 1	Horizontal Illuminance	62.74	53	74	1.39	1.17	A	8
Pickleball 2	Horizontal Illuminance	61.26	52	74	1.43	1.18	B	8
Pickleball 3	Horizontal Illuminance	58.45	51	71	1.41	1.16	C	8
Pickleball 4	Horizontal Illuminance	61.02	51	70	1.38	1.20	D	8

From Hometown to Professional



musco Lighting

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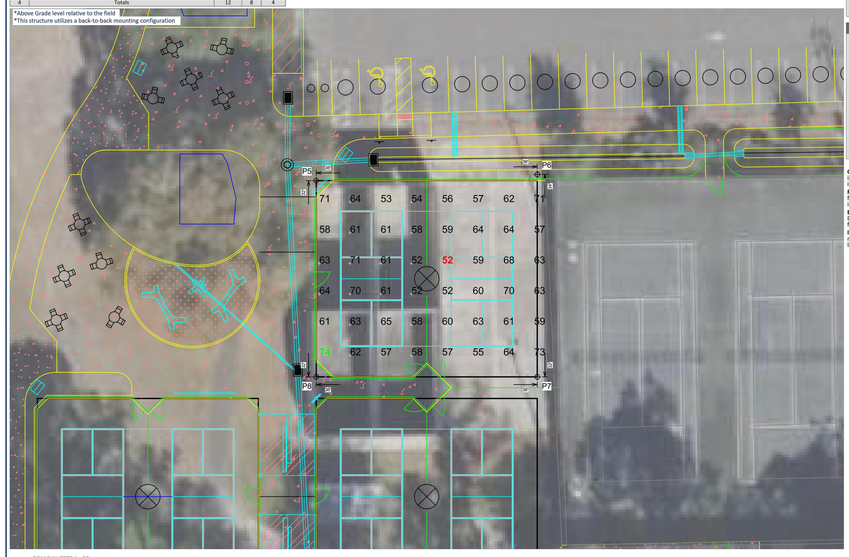
ENGINEERED DESIGN By: • File #237463A • 07-Aug-24

PROJECT SUMMARY

Equipment List For Areas Shown

Pole QTY	Pole LOCATION	Pole SIZE	Pole GRADE ELEVATION	Luminaires ABOVE GRADE LEVEL	Luminaires LUMINAIRE TYPE	Luminaires QTY/POLE	Luminaires THIS GRID	Luminaires OTHER GRIDS
2	P5-P6	30'	-	30'	TLC-LED-550	2	2	0
2	P7-P8	30'	-	30'	TLC-LED-550	2/2*	2	2
4				Totals		12	8	4

*Above Grade level relative to the field
*This structure utilizes a back-to-back mounting configuration



SCALE IN FEET 1 : 20
0' 20' 40'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊠

ENGINEERED DESIGN By: • File #237463A • 07-Aug-24

Gainesville Tom Petty Park Pickleball

Gainesville,FL

Grid Summary

Name: Pickleball 2
Size: 72' x 64'
Spacing: 10.0' x 10.0'
Height: 3.0' above grade

Illumination Summary

	MAINTAINED HORIZONTAL FOOTCANDLES
	Entire Grid
Guaranteed Average	**50**
Scan Average	61.26
Maximum	74
Minimum	52
Avg/Min	1.18
Guaranteed Max/Min	**2**
Max/Min	1.43
UG (adjacent pts)	1.25
CU	0.59
CV	0.09
No. of Points	48
LUMINAIRE INFORMATION	
Applied Circuits	B
No. of Luminaires	**8**
Total Load	4.32 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

musco Lighting

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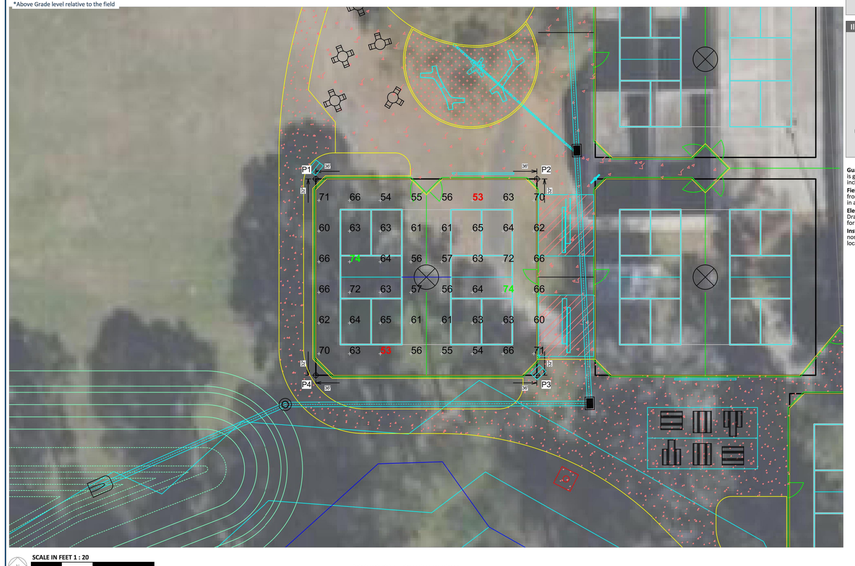
ILLUMINATION SUMMARY

Equipment List For Areas Shown

Pole QTY	Pole LOCATION	Pole SIZE	Pole GRADE ELEVATION	Luminaires ABOVE GRADE LEVEL	Luminaires LUMINAIRE TYPE	Luminaires QTY/POLE	Luminaires THIS GRID	Luminaires OTHER GRIDS
4	P1-P4	30'	-	30'	TLC-LED-550	2	2	0
4				Totals		8	8	0

*Above Grade level relative to the field



SCALE IN FEET 1 : 20
0' 20' 40'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊠

ENGINEERED DESIGN By: • File #237463A • 07-Aug-24

Gainesville Tom Petty Park Pickleball

Gainesville,FL

Grid Summary

Name: Pickleball 1
Size: 72' x 64'
Spacing: 10.0' x 10.0'
Height: 3.0' above grade

Illumination Summary

	MAINTAINED HORIZONTAL FOOTCANDLES
	Entire Grid
Guaranteed Average	**50**
Scan Average	62.74
Maximum	74
Minimum	53
Avg/Min	1.17
Guaranteed Max/Min	**2**
Max/Min	1.39
UG (adjacent pts)	1.21
CU	0.60
CV	0.09
No. of Points	48
LUMINAIRE INFORMATION	
Applied Circuits	A
No. of Luminaires	**8**
Total Load	4.32 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

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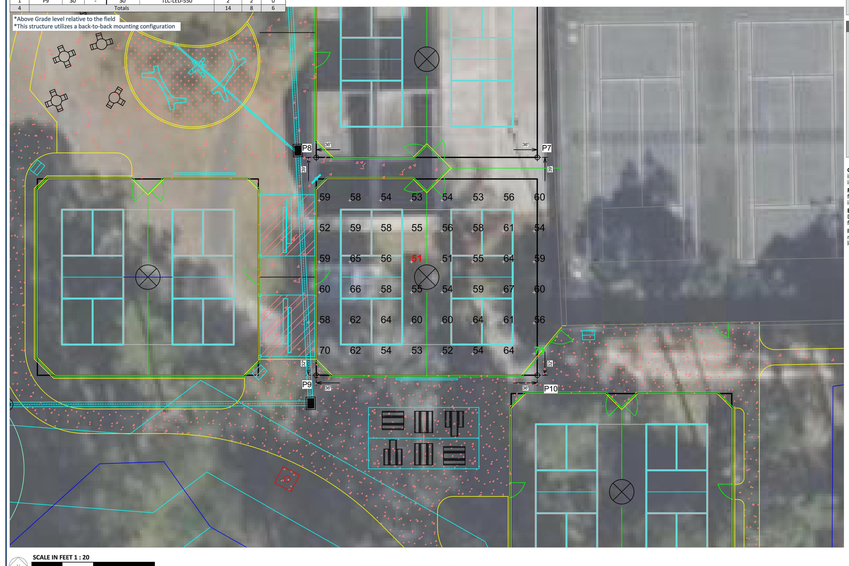
ILLUMINATION SUMMARY

Equipment List For Areas Shown

Pole QTY	Pole LOCATION	Pole SIZE	Pole GRADE ELEVATION	Luminaires ABOVE GRADE LEVEL	Luminaires LUMINAIRE TYPE	Luminaires QTY/POLE	Luminaires THIS GRID	Luminaires OTHER GRIDS
3	P7-P8 P10	30'	-	30'	TLC-LED-550	2/3*	2	2
1	P9	30'	-	30'	TLC-LED-550	2	2	0
4				Totals		14	8	6

*Above Grade level relative to the field
*This structure utilizes a back-to-back mounting configuration



SCALE IN FEET 1 : 20
0' 20' 40'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊠

ENGINEERED DESIGN By: • File #237463A • 07-Aug-24

Gainesville Tom Petty Park Pickleball

Gainesville,FL

Grid Summary

Name: Pickleball 3
Size: 72' x 64'
Spacing: 10.0' x 10.0'
Height: 3.0' above grade

Illumination Summary

	MAINTAINED HORIZONTAL FOOTCANDLES
	Entire Grid
Guaranteed Average	**50**
Scan Average	58.45
Maximum	71
Minimum	51
Avg/Min	1.16
Guaranteed Max/Min	**2**
Max/Min	1.41
UG (adjacent pts)	1.27
CU	0.56
CV	0.08
No. of Points	48
LUMINAIRE INFORMATION	
Applied Circuits	C
No. of Luminaires	**8**
Total Load	4.32 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

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ILLUMINATION SUMMARY

Equipment List For Areas Shown

Pole QTY	Pole LOCATION	Pole SIZE	Pole GRADE ELEVATION	Pole ABOVE GRADE LEVEL	Luminaires LUMINAIRE TYPE	Luminaires QTY/POLE	Luminaires THIS GRID	Luminaires OTHER GRIDS
1	P10	30'	-	30'	TLC-LED-550	2/2*	2	2
3	P11-P13	30'	-	30'	TLC-LED-550	2	2	0
4		Totals				10	8	2

*Above Grade level relative to the field
*This structure utilizes a back-to-back mounting configuration

SCALE IN FEET 1 : 20
0' 20' 40'

ENGINEERED DESIGN By: • File #237463A • 07-Aug-24

Pole location(s) dimensions are relative to 0,0 reference point(s)

Gainesville Tom Petty Park Pickleball

Gainesville,FL

Grid Summary

Name Pickleball 4
Size 72' x 64'
Spacing 10.0' x 10.0'
Height 3.0' above grade

Illumination Summary

MAINTAINED HORIZONTAL FOOTCANDLES

	Entire Grid
Guaranteed Average	**50**
Scan Average	61.02
Maximum	70
Minimum	51
Avg/Min	1.20
Guaranteed Max/Min	**2**
Max/Min	1.38
UG (adjacent pts)	1.29
CU	0.59
CV	0.09
No. of Points	48
LUMINAIRE INFORMATION	
Applied Circuits	0
No. of Luminaires	**8**
Total Load	4.32 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

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ILLUMINATION SUMMARY

SCALE IN FEET 1 : 40
0' 40' 80'

ENGINEERED DESIGN By: • File #237463A • 07-Aug-24

Pole location(s) dimensions are relative to 0,0 reference point(s)

Gainesville Tom Petty Park Pickleball

Gainesville,FL

Equipment Layout

INCLUDES:
- Pickleball 1
- Pickleball 2
- Pickleball 3
- Pickleball 4

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

Equipment List For Areas Shown

Pole QTY	Pole LOCATION	Pole SIZE	Pole GRADE ELEVATION	Pole ABOVE GRADE LEVEL	Luminaires LUMINAIRE TYPE	Luminaires QTY/POLE
10	P1-P9, P11-P13	30'	-	30'	TLC-LED-550	2
3	P10	30'	-	30'	TLC-LED-550	2/2*
13	Totals					32

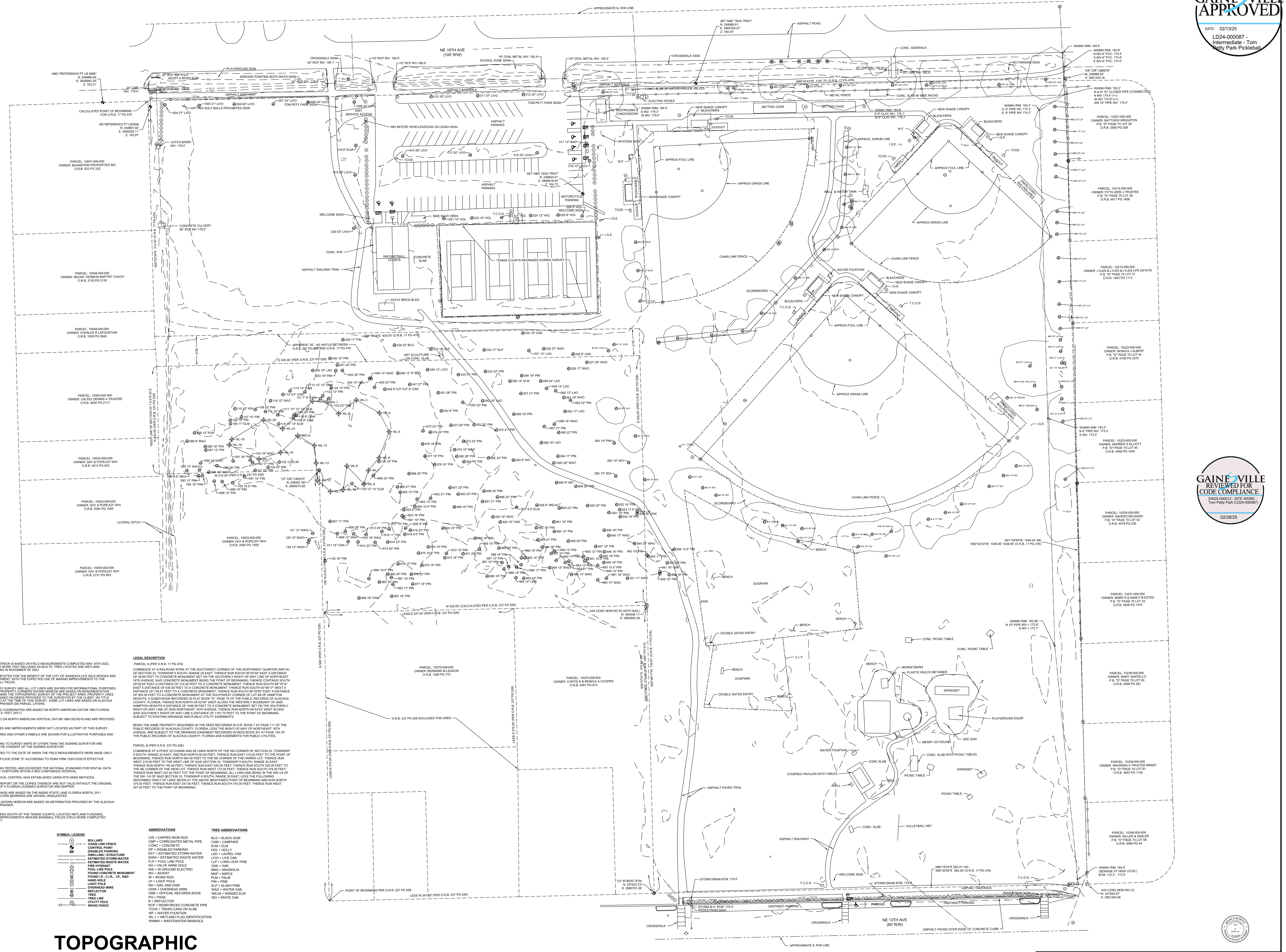
*This structure utilizes a back-to-back mounting configuration

Single Luminaire Amperage Draw Chart

Driver Specifications (.90 min power factor)	Line Amperage Per Luminaire (max draw)						
Single Phase Voltage	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
TLC-LED-550	3.2	3.0	2.8	2.4	1.9	1.8	1.4

We Make It Happen.

EQUIPMENT LAYOUT



SURVEYOR'S NOTES

1. THE SURVEY SHOWN HEREON IS BASED ON FIELD MEASUREMENTS COMPLETED MAY 24TH 2022, WITH ADDITIONAL FIELD WORK THAT INCLUDED AS-BUILTS, TREE LOCATES AND WETLAND DELINEATION OCCURRING IN NOVEMBER OF 2023
2. THIS SURVEY WAS COMPLETED FOR THE BENEFIT OF THE CITY OF GAINESVILLE'S WILD SPACES AND PUBLIC PLACES DEPARTMENT, WITH THE EXPECTED USE OF MAKING IMPROVEMENTS TO THE BASEBALL AND SOFTBALL FIELDS.
3. THIS IS NOT A BOUNDARY SURVEY AND ALL LOT LINES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. ANY PRESUMED PROPERTY CORNERS SHOWN HEREON ARE BASED ON MONUMENTATION FOUND WHILE PERFORMING THE TOPOGRAPHIC SURVEY OF THE PROJECT AREA. PROPERTY LINES SHOWN HEREON ARE BASED ON DEEDS PROVIDED TO THE SURVEYOR BY THE CLIENT. NO TITLE SEARCH WAS PROVIDED AT THE TIME OF THIS SURVEY. SOME LOT LINES ARE BASED ON ALACHUA COUNTY PROPERTY APPRAISER GIS PARCEL LAYERS.
4. NORTHING AND EASTING COORDINATES ARE BASED ON NORTH AMERICAN DATUM 1983 FLORIDA STATE PLANE NORTH U.S. FEET (2011).
5. ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM 1988 GEOID18 AND ARE PROVIDED IN U.S. FEET.
6. UNDERGROUND UTILITIES AND IMPROVEMENTS WERE NOT LOCATED AS PART OF THIS SURVEY.
7. FENCES, OVERHEAD WIRES AND OTHER SYMBOLS ARE SHOWN FOR ILLUSTRATIVE PURPOSES AND ARE NOT TO SCALE.
8. ADDITIONS OR DELETIONS TO SURVEY MAPS BY OTHER THAN THE SIGNING SURVEYOR ARE PROHIBITED WITHOUT THE CONSENT OF THE SIGNING SURVEYOR.
9. THIS SURVEY IS CERTIFIED TO THE DATE OF WHEN THE FIELD MEASUREMENTS WERE MADE ONLY.
10. PROPERTY RESIDES IN FLOOD ZONE "X" ACCORDING TO FEMA FIRM 12001C0321D EFFECTIVE 06/16/2006.
11. TOPOGRAPHIC DATA WAS TESTED, AND EXCEEDED THE NATIONAL STANDARD FOR SPATIAL DATA ACCURACY FOR 1-FOOT CONTOURS WITHIN A 95% CONFIDENCE INTERVAL.
12. HORIZONTAL AND VERTICAL CONTROL WAS ESTABLISHED USING RTK GNSS METHODS.
13. THE SURVEY MAP AND REPORT OR THE COPIES THEREOF ARE NOT VALID WITHOUT THE ORIGINAL SIGNATURE AND SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.
14. FIELD MEASURED BEARINGS ARE BASED ON THE NAD83 STATE LANE FLORIDA NORTH, 2011 ADJUSTMENT. DEED RECORD BEARINGS ARE SHOWN, UNADJUSTED.
15. RIGHT-OF-WAY WIDTHS SHOWN HEREON ARE BASED ON INFORMATION PROVIDED BY THE ALACHUA COUNTY PROPERTY APPRAISER.
16. REVISION HISTORY:
    16.1. 22.027.1: ADDED TREES SOUTH OF THE TENNIS COURTS, LOCATED WETLAND FLAGGING, UPDATED RECENT IMPROVEMENTS AROUND BASEBALL FIELDS (FIELD WORK COMPLETED 11/30/23 - B. MURPHY

LEGAL DESCRIPTION

PARCEL A (PER O.R.B. 17 PG 478)

COMMENCE AT A RAILROAD SPIKE AT THE SOUTHWEST CORNER OF THE NORTHWEST QUARTER (NW1/4) OF SECTION 33, TOWNSHIP 9 SOUTH, RANGE 20 EAST; THENCE RUN SOUTH 00°02'34" EAST A DISTANCE OF 48.60 FEET TO CONCRETE MONUMENT SET ON THE SOUTHERLY RIGHT-OF-WAY LINE OF NORTHEAST 16TH AVENUE, SAID CONCRETE MONUMENT BEING THE POINT OF BEGINNING; THENCE CONTINUE SOUTH 00°02'34" EAST A DISTANCE OF 315.40 FEET TO A CONCRETE MONUMENT, THENCE RUN SOUTH 89°19'14" EAST A DISTANCE OF 630.00 FEET TO A CONCRETE MONUMENT; THENCE RUN SOUTH 00°06'17" WEST A DISTANCE OF 734.61 FEET TO A CONCRETE MONUMENT; THENCE RUN SOUTH 89°35'50" EAST A DISTANCE OF 563.59 FEET TO A CONCRETE MONUMENT AT THE SOUTHWEST CORNER OF LOT 68 OF HAMPTON HEIGHTS, A SUBDIVISION RECORDED IN PLAT BOOK "D", PAGE 70 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA; THENCE RUN NORTH 00°02'34" WEST ALONG THE WESTERLY BOUNDARY OF SAID HAMPTON HEIGHTS A DISTANCE OF 1046.06 FEET TO A CONCRETE MONUMENT SET ON THE SOUTHERLY RIGHT-OF-WAY LINE OF SAID NORTHEAST 16TH AVENUE; THENCE RUN NORTH 89°42'43" WEST ALONG SAID SOUTHERLY RIGHT-OF-WAY LINE A DISTANCE OF 1191.70 FEET TO THE POINT OF BEGINNING. SUBJECT TO EXISTING DRAINAGE AND PUBLIC UTILITY EASEMENTS.

BEING THE SAME PROPERTY DESCRIBED IN THE DEED RECORDED IN O.R. BOOK 7 AT PAGE 711 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA, LESS THE RIGHT-OF-WAY OF NORTHEAST 16TH AVENUE, AND SUBJECT TO THE DRAINAGE EASEMENT RECORDED IN DEED BOOK 301 AT PAGE 193 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA AND EASEMENTS FOR PUBLIC UTILITIES.

PARCEL B (PER O.R.B. 237 PG 528)

COMMENCE AT A POINT 22 CHAINS AND 68 LINKS NORTH OF THE SW CORNER OF SECTION 33, TOWNSHIP 9 SOUTH, RANGE 20 EAST, AND RUN NORTH 60.00 FEET; THENCE RUN EAST 210.00 FEET TO THE POINT OF BEGINNING; THENCE RUN NORTH 560.00 FEET TO THE NE CORNER OF THE HARRIS LOT; THENCE RUN WEST 210.00 FEET TO THE WEST LINE OF SAID SECTION 33, TOWNSHIP 9 SOUTH, RANGE 20 EAST; THENCE RUN NORTH 140.00 FEET; THENCE RUN EAST 630.00 FEET; THENCE RUN SOUTH 325.00 FEET TO THE NE CORNER OF THE WEIR LOT; THENCE RUN WEST 173.00 FEET; THENCE RUN SOUTH 375.00 FEET; THENCE RUN WEST 247.00 FEET TOT THE POINT OF BEGINNING; ALL LYING AND BEING IN THE NW-1/4 OF THE SW -1/4 OF SAID SECTION 33, TOWNSHIP 9 SOUTH, RANGE 20 EAST, LESS THE FOLLOWING DESCRIBED TRACT OF LAND; BEGIN AT THE ABOVE MENTIONED POINT OF BEGINNING AND RUN NORTH 375.00 FEET; THENCE RUN EAST 247.00 FEET; THENCE RUN SOUTH 375.00 FEET; THENCE RUN WEST 247.00 FEET TO THE POINT OF BEGINNING.

SYMBOL LEGEND

- BOLLARD
- CHAIN LINK FENCE
- CONTROL POINT
- DISABLED PARKING
- DWELLING / STRUCTURE
- ESTIMATED STORM WATER
- ESTIMATED WASTE WATER
- FIRE HYDRANT
- FOUL LINE POLE
- FOUND CONCRETE MONUMENT
- FOUND I.P., C.I.R., I.R., N&D
- HAND HOLE
- LIGHT POLE
- OVERHEAD WIRE
- REFLECTOR
- TREE
- TREE LINE
- UTILITY POLE
- WOOD FENCE

ABBREVIATIONS

CIR = CAPPED IRON ROD
CMP = CORRUGATED METAL PIPE
CONC = CONCRETE
DP = DISABLED PARKING
EST = ESTIMATED STORM WATER
EWW = ESTIMATED WASTE WATER
FLP = FOUL LINE POLE
HH = VALVE HAND HOLE
IGE = IN GROUND ELECTRIC
INV = INVERT
IR = IROND ROD
LP = LIGHT POLE
ND = NAIL AND DISK
OHW = OVERHEAD WIRE
ORB = OFFICIAL RECORDS BOOK
PG = PAGE
R = REFLECTOR
RCP = REINFORCED CONCRETE PIPE
TCOS = TRASH CANS ON SLAB
WF = WATER FOUNTAIN
WL-1 = WETLAND FLAG IDENTIFICATION
WWMH = WASTEWATER MANHOLE

TREE ABBREVIATIONS

BLG = BLACK GUM
CAM = CAMPHER
ELM = ELM
HOL = HOLLY
LAO = LAUREL OAK
LIVO = LIVE OAK
LLP = LONG LEAF PINE
OAK = OAK
MAG = MAGNOLIA
MAP = MAPLE
PLM = PALM
PIN = PINE
SLP = SLASH PINE
WAO = WATER OAK
WELM = WINGED ELM
WO = WHITE OAK

0 20 40
1 INCH =40 FEET

TOPOGRAPHIC SURVEY

OF TOM PETTY PARK
(FORMERLY NORTHEAST PARK)
LOCATED IN GAINESVILLE, FL
SECTION 33 TOWNSHIP 09 SOUTH RANGE 20 EAST
ALACHUA COUNTY, FLORIDA

3002 SURVEYING
12207 NW 39th AVENUE
GAINESVILLE, FL 32606
352-535-0307
www.3002inc.com

THE MAP OF THE PROPERTY DESCRIBED HEREON WAS MADE UNDER MY SUPERVISION AND THIS MAP OF SURVEY FURTHER MEETS THE STANDARDS OF PRACTICE SET FORTH BY THE STATE OF FLORIDA BOARD OF PROFESSIONAL SURVEYORS & MAPPERS IN CHAPTER 5J-17.05, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES, AND THE MAP OF SURVEY SHOWN HEREON IS A TRUE AND ACCURATE REPRESENTATION THEREOF TO THE BEST OF MY KNOWLEDGE, BEING SUBJECT TO NOTES AND NOTATIONS SHOWN HEREON.

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Brian E. Murphy
Digitally signed by Brian E.Murphy
Date: 2024.08.20 10:59:46 -04'00'
Brian E. Murphy
Professional Surveyor & Mapper No.7033

BRIAN E MURPHY License Number 7033 STATE OF FLORIDA Professional Surveyor and Mapper

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