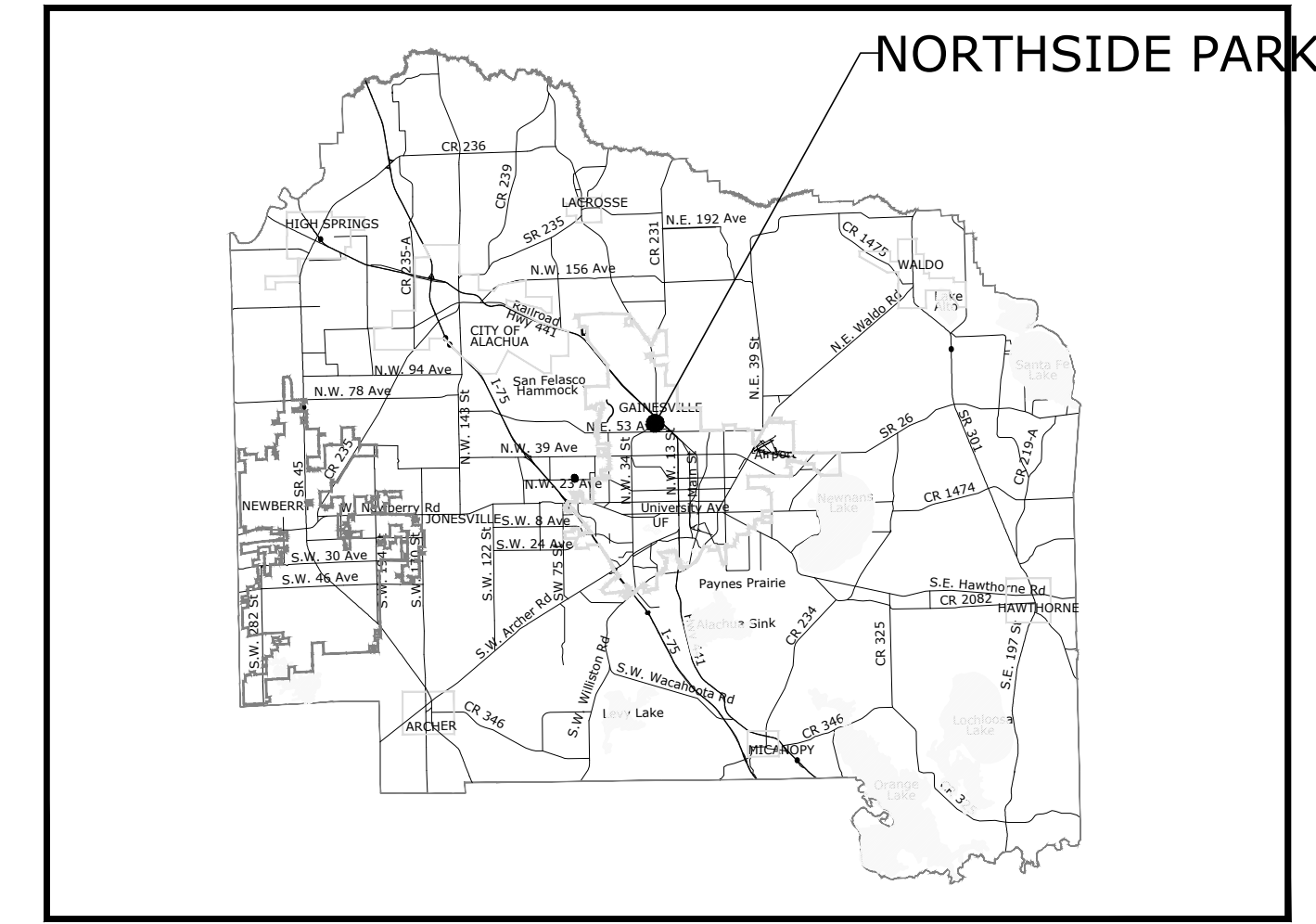


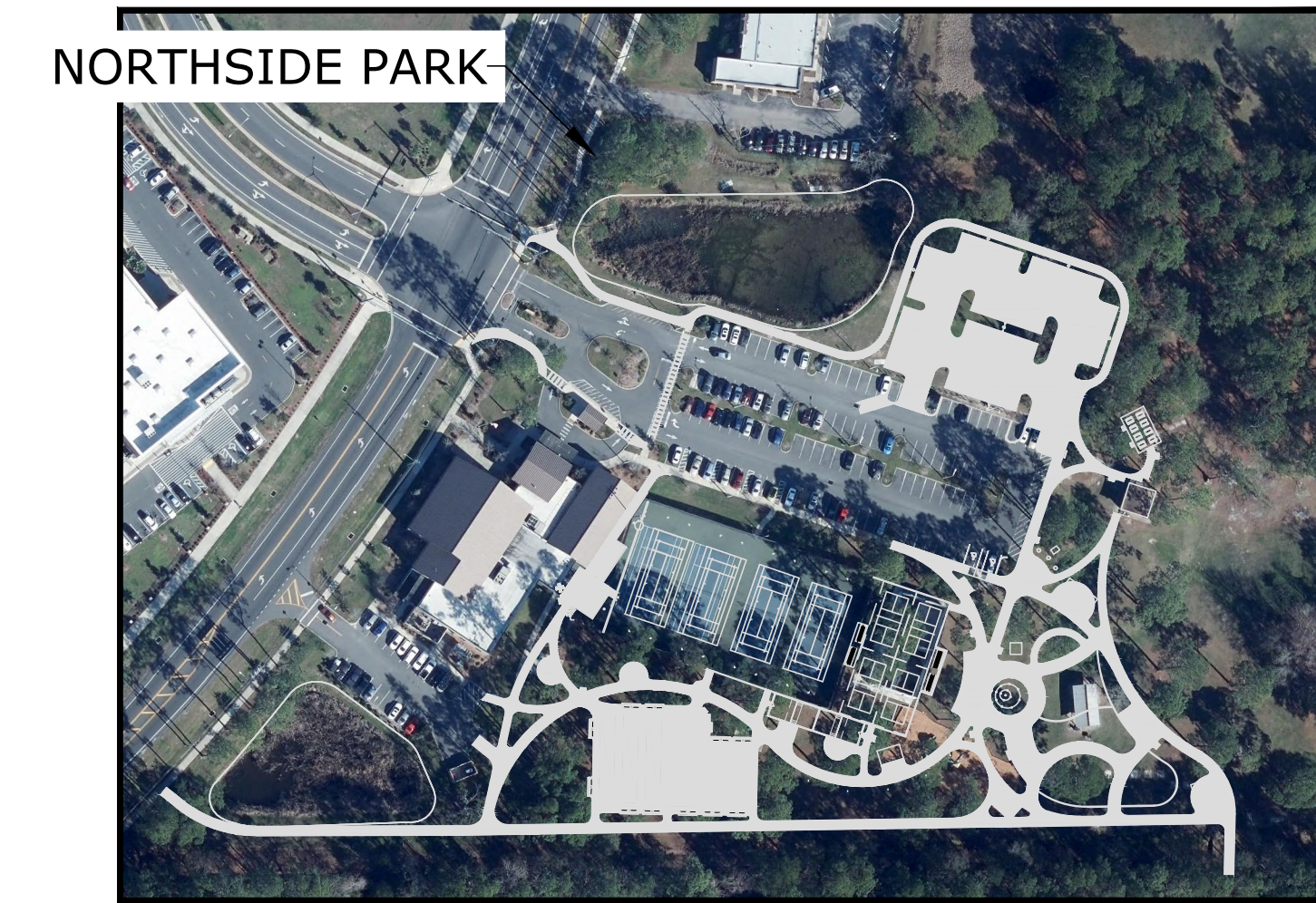
Gainesville. Citizen centered People empowered

90% PLANS FOR NORTHSIDE PARK

SUBMITTED TO CITY OF GAINESVILLE GAINESVILLE REGIONAL UTILITIES ST JOHNS RIVER WATER MANAGEMENT DISTRICT



ALACHUA COUNTY MAP



CITY OF GAINESVILLE MAP

PROJECT INFORMATION table with columns for Project Name, Description, Tax Parcel #, Address, Section/Township/Range, Existing Land Use, Zoning, Stormwater, Wetlands, Lighting, Landscaping/Hardscaping, Traffic Control, Floodplain.

UTILITY INFORMATION table with columns for Utility and Description, listing Electric, Potable Water, Fire Water, Wastewater, Gas, Solid Waste, and Easements.

CONTACT INFORMATION table listing Owner (City of Gainesville), Civil Engineer (DRMP, Inc.), Landscape Architect (Manley Design, LLC), Photometric Engineer (HDC Engineering, Inc.), and Structural Engineer (Sputo and Lammert Engineering, LLC).

SITE INFORMATION table with columns for Development Site Area, Acres, Square Feet, and Percent of Total, listing Project Area, Racquetball Area, Tennis/Pickleball Area, Sidewalk Area, Parking Area, Stormwater Area, and Open Space/Playground.

THE SITE IS LOCATED WITHIN ZONE B OF THE TRANSPORTATION MOBILITY PROGRAM AREA. THE PROJECT WILL MEET THE APPLICABLE PROVISIONS OF THE TRANSPORTATION MOBILITY ELEMENT POLICY 10.1.4 AND 10.1.6.

STORMWATER MANAGEMENT UTILITY DATA table showing SMF-1 New Impervious Area = 19,408 SF and SMF-3 New Impervious Area = 24,830 SF.

Table with columns for SMF ID, Lowest Discharge Elevation, Retention Volume at Lowest Discharge, and Retention Area at Lowest Discharge.

TRAFFIC INFORMATION: NO ADDITIONAL TRIPS ARE GENERATED FOR THIS PROJECT. THE PARK AREA AND NUMBER OF PICNIC FACILITIES ARE NOT INCREASING.

- PARKING INFORMATION: 1. EXISTING VEHICULAR SPACES: 133 SPACES; 2. PROPOSED VEHICULAR SPACES: 53 SPACES; 3. NET VEHICULAR SPACES: 176 SPACES; 4. BICYCLE SPACES: N/A; 5. PARKING FOR THE PROPOSED IMPROVEMENTS IS NOT REGULATED BY THE LAND DEVELOPMENT CODE.

- NOTES: 1. FIRE HYDRANTS AND STABILIZED SURFACES SHALL BE IN SERVICE PRIOR TO THE ACCUMULATION OF COMBUSTIBLES ON SITE. 2. THE OWNER OR THE OWNER'S AUTHORIZED AGENT SHALL DEVELOP A FIRE SAFETY PROGRAM TO ADDRESS ALL ESSENTIAL FIRE AND LIFE SAFETY REQUIREMENTS FOR THE DURATION OF DEMOLITION, ALTERATION AND CONSTRUCTION.

GAINESVILLE REGIONAL UTILITIES REQUIREMENTS: 1. ENGINEER'S CERTIFICATION STATEMENT: "THE WATER, WASTEWATER AND RECLAIMED WATER SYSTEM DESIGN IS IN ACCORDANCE WITH GAINESVILLE REGIONAL UTILITIES DESIGN STANDARDS." 2. THESE PLANS ARE "FOR REVIEW ONLY".



Know what's below Call before you dig

DRMP PROJECT NO. 18.0072.001 DRMP logo and address: 7525 NW 4th Blvd, Suite 70, Gainesville, FL 32607

CIVIL SHEET LIST table listing sheet numbers and titles from C0.00 to C4.01.

CONSULTANTS SHEET LIST table listing sheet numbers and titles from L-101 to L-307.

NORTHSIDE PARK IMPROVEMENTS

City of Gainesville WSPP



DRMP, Inc. 7525 NW 4th Boulevard, Suite 70 Gainesville, Florida 32607



Manley Design, LLC 224 NW 2nd Avenue, Suite E Gainesville, Florida 32601



Hunter Design & Consulting, Inc. 735 Arlington Ave N, Ste 308 St Petersburg, Florida 33701



Sputo and Lammert Engineering, LLC 10 SW 1st Avenue Gainesville, Florida 32601

SEAL:

DAVID SOWELL, P.E. 68531

PROJECT NO: 18-0072.001 CLIENTS NO.: ISSUED FOR: CLIENT REVIEW & PERMITTING ISSUED DATE: JANUARY 2019 REVISIONS:

SCALE: AS SHOWN

SHEET TITLE: COVER SHEET

SHEET NUMBER: C0.00

P:\Projects\18-0072.001\_WSPP - Northside Park Improvements\CADD\Production Drawings\C0.00 - COVER SHEET.dwg PLOT DATE: 1/21/2019 1:06 PM BY: MAF

## SITE GENERAL NOTES

1. THE OVERALL SITE TOPOGRAPHIC AND BOUNDARY INFORMATION SHOWN HEREON WAS ORIGINALLY PREPARED BY DEREN LAND SURVEYING DATED 9/5/2018 AND CITY OF GAINESVILLE DATED 12/13/2017.
2. THE CONTRACTOR SHALL EMPLOY A LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA TO REFERENCE AND RESTORE PROPERTY CORNERS AND LAND MARKERS WHICH MAY BE DISTURBED BY CONSTRUCTION.
3. ALL PAVEMENT DIMENSIONS SHOWN ARE TO EDGE OF PAVEMENT, OR FACE OF CURB UNLESS OTHERWISE NOTED.
4. ALL NEW TRAFFIC CONTROL DEVICES (SIGNS AND PAVEMENT MARKINGS) SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND FDOT STANDARDS.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AND USAGE OF THE EXISTING STREETS AND DRIVEWAYS ADJACENT TO THE PROJECT. ALL TRAFFIC MAINTENANCE CONTROL SHALL BE IN ACCORDANCE WITH FDOT MANUAL OF TRAFFIC CONTROL AND SAFE PRACTICES FOR STREET CONSTRUCTION, MAINTENANCE, AND UTILITY OPERATIONS.
6. ALL NON-CONFORMING SIGNS SHALL BE REMOVED FROM THE SITE.
7. ALL WORK PERFORMED IN THE CITY RIGHT-OF-WAY SHALL BE IN COMPLIANCE WITH THE LATEST FDOT STANDARDS. PLEASE INFORM CITY INSPECTORS 24 HOURS PRIOR TO COMMENCING ANY WORK IN THE RIGHT-OF-WAY.
8. CONTRACTOR TO REVIEW GEOTECHNICAL REPORT AND BORINGS PRIOR TO BIDDING THE PROJECT AND FOLLOW OUTLINED CONSTRUCTION TECHNIQUES.
9. THE CONTRACTOR IS TO PREPARE THE SITE PRIOR TO BEGINNING ACTUAL CONSTRUCTION IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
10. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING APPLICABLE TESTING WITH THE SERVICES OF AN APPROVED TESTING LABORATORY AND SOILS ENGINEER APPLICABLE REGULATORY AGENCIES AND AS MAY BE FOUND IN THE ENGINEERING RING CONSTRUCTION DRAWINGS. CONTRACTOR TO VERIFY ALL TESTING WITH THE OWNER PRIOR TO COMMENCING CONSTRUCTION. UPON COMPLETION OF THE WORK, THE SOILS ENGINEER MUST SUBMIT TO THE OWNER'S ENGINEER CERTIFICATIONS STATING THAT ALL REQUIREMENTS HAVE BEEN MET.
11. CONTRACTOR SHALL CLEAR AND GRUB ONLY THOSE PORTIONS OF THE SITE NECESSARY FOR CONSTRUCTION. DISTURBED AREAS WILL BE SODDED, SEEDED, MULCHED OR PLANTED WITH OTHER APPROVED LANDSCAPE MATERIAL IMMEDIATELY FOLLOWING CONSTRUCTION PER LOCAL INSPECTOR.
12. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE BASED UPON BEST AVAILABLE INFORMATION REVIEWED AT THE TIME OF DOCUMENT PREPARATION. THIS INFORMATION MAY NOT BE OF SUITABLE ACCURACY OR CORRECTNESS FOR THE CONTRACTOR'S CONSTRUCTION NEEDS. THEREFORE, THE CONTRACTOR SHALL VERIFY THE LOCATIONS, ELEVATIONS, AND DIMENSIONS OF ALL EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES AFFECTING THE WORK BEFORE CONSTRUCTION.
13. THE CONTRACTOR SHALL REPLACE ALL PAVING, STABILIZED EARTH DRIVEWAYS, SIDEWALKS, CURBS, FENCING, ETC., DAMAGED DURING CONSTRUCTION, WITH THE SAME TYPE AND QUALITY OF MATERIALS AND WORKMANSHIP AS PREVIOUSLY EXISTED. AREAS DISTURBED BY CONSTRUCTION THAT ARE NOT INDICATED TO BE SODDED SHALL BE SEEDED.
14. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE PERMIT AND INSPECTION REQUIREMENTS OF THE VARIOUS GOVERNMENTAL AGENCIES. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION, AND SCHEDULE INSPECTIONS ACCORDING TO AGENCY INSTRUCTIONS.
15. ALL WORK TO BE PERFORMED FOR THE COMPLETION OF THIS PROJECT SHALL BE CONSTRUCTED ACCORDING TO THE BEST PRACTICES OF THE INDUSTRY AND IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, COUNTY AND/OR CITY CODES, ORDINANCES, STANDARDS, AND PERMIT CONDITIONS.
16. 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 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.
17. WORK BEING PERFORMED UNDER THE CONTRACT SHALL INTERFACE SMOOTHLY WITH OTHER WORK BEING PERFORMED ON THE SITE BY OTHER CONTRACTORS AND UTILITY COMPANIES. IT WILL BE NECESSARY FOR THE CONTRACTOR TO COORDINATE AND SCHEDULE HIS ACTIVITIES, WHERE NECESSARY, WITH OTHER CONTRACTORS AND UTILITY COMPANIES.
18. REPAIR AND REPLACEMENT OF ALL PRIVATE AND PUBLIC PROPERTY AFFECTED BY THIS WORK SHALL BE RESTORED TO THE CONDITION EQUAL TO OR BETTER THAN EXISTING CONDITIONS BEFORE COMMENCING CONSTRUCTION WORK UNLESS SPECIFICALLY EXEMPTED BY THE PLANS. ADDITIONAL COSTS ARE INCIDENTAL TO OTHER CONSTRUCTION AND NO EXTRA COMPENSATION WILL BE ALLOWED.
19. THROUGHOUT THE CONSTRUCTION PERIOD OF THIS PROJECT, ALL SAFETY REGULATIONS ARE TO BE ENFORCED. THE CONTRACTOR OR HIS REPRESENTATIVE SHALL BE RESPONSIBLE FOR THE CONTROL AND SAFETY OF ONSITE PERSONNEL, THE TRAVELING PUBLIC, AND THE CONTRACTOR'S WORKFORCE. LABOR SAFETY REGULATIONS SHALL CONFORM TO THE LATEST EDITION PROVISIONS ESTABLISHED BY OSHA. ALL SUBSURFACE CONSTRUCTION SHALL COMPLY WITH THE TRENCH SAFETY ACT. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY AND ENFORCE ALL APPLICABLE SAFETY REGULATIONS. THIS INFORMATION HAS BEEN PROVIDED FOR THE CONTRACTOR'S INFORMATION ONLY AND DOES NOT IMPLY THAT THE OWNER OR ENGINEER WILL INSPECT AND/OR ENFORCE SAFETY REGULATIONS..
20. ALL HANDICAP RAMPS SHALL COMPLY WITH ADA, STATE OF FLORIDA ACCESSIBILITY CODES AND STANDARDS, CITY OF GAINESVILLE STANDARDS, AND FLORIDA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.
21. PROVIDE LEVEL PLATFORM IN FRONT OF ALL EGRESS DOORS. THE FLOOR SURFACE ON BOTH SIDES OF A DOOR SHALL BE AT THE SAME ELEVATION. THE FLOOR SURFACE OR LANDING ON EACH SIDE OF THE DOOR SHALL EXTEND FROM THE DOOR IN THE CLOSED POSITION A DISTANCE EQUAL TO THE DOOR WIDTH AND SHALL COMPLY WITH SECTION 4.13.6 MANEUVERING CLEARANCES AT DOORS OF THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION.
22. CONTRACTOR TO GUARANTEE ALL WORK FOR A PERIOD OF ONE YEAR UNLESS OTHERWISE STIPULATED IN THE CONTRACT DOCUMENTS.

## DEMOLITION GENERAL NOTES

1. THE CONTRACTOR SHALL ACCURATELY LOCATE ALL UNDERGROUND PIPES, CABLES AND UTILITIES IN THE AREAS OF CONSTRUCTION. THIS SHALL BE DONE SEVEN DAYS PRIOR TO EXCAVATION TO AVOID DAMAGE TO THESE FACILITIES. ALL DAMAGE RESULTING FROM CONTRACTOR'S FAILURE TO COMPLY WITH THIS REQUIREMENT SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
2. THE CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT AND/OR BRACING TO MAINTAIN THE STRUCTURAL INTEGRITY OF ALL POWER POLES AND SUPPORTS LOCATED WITHIN THE IMMEDIATE VICINITY OF TRENCH EXCAVATIONS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH THE POWER COMPANY TO PROVIDE TEMPORARY SUPPORT AND/OR BRACING IN ACCORDANCE WITH THE POWER COMPANY REQUIREMENTS.
3. LOCATIONS, ELEVATIONS AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN BASED ON THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE DRAWINGS BUT ARE NOT PURPORTED TO BE ABSOLUTELY CORRECT. THERE MAY BE OTHER IMPROVEMENTS, UTILITIES, ETC. WHICH ARE WITHIN THE PROPOSED PROJECT AREA. CONTRACTOR SHALL VERIFY PRIOR TO CONSTRUCTION THE LOCATIONS, ELEVATIONS AND DIMENSIONS OF ALL EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES (WHETHER OR NOT SHOWN ON THE DRAWINGS) AFFECTING HIS WORK.

4. THE CONTRACTOR SHALL NOTE THAT OVERHEAD UTILITIES MAY NOT BE SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL FIELD LOCATE AND INCLUDE CONSIDERATION OF SUCH UTILITIES IN PLANNING AND EXECUTING HIS WORK.
5. THE CONTRACTOR SHALL FOLLOW ALL STATE, LOCAL AND FEDERAL REGULATIONS AND PROPERLY DISPOSE OF ALL DEMOLITION DEBRIS AT AN APPROVED OFF-SITE LOCATION IN A LEGAL MANNER.
6. CONDUCT SITE DEMOLITION OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS AND OTHER ADJACENT OCCUPIED OR USED FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS OR OTHER USABLE FACILITIES WITHOUT PERMISSION FROM OWNERS AND AUTHORITIES HAVING JURISDICTION. CLOSURE OF THESE FACILITIES MAY REQUIRE A MAINTENANCE OF TRAFFIC PLAN PREPARED BY A REGISTERED PROFESSIONAL AT THE CONTRACTOR'S EXPENSE.
7. ASPHALT REMOVAL SHALL BE ACHIEVED WITH A CLEAN AND UNIFORM SAWCUT WHERE IT ABUTS ASPHALT TO REMAIN.

## PAVING, GRADING, AND DRAINAGE GENERAL NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES. CONTRACTOR SHALL NOT DISTURB OR RELOCATE ANY EXISTING UTILITY WITHOUT WRITTEN PERMISSION FROM THE UTILITY OWNER.
2. ALL CONCRETE USED SHALL BE 3,000 PSI MINIMUM WITH FIBER REINFORCEMENT UNLESS OTHERWISE SPECIFIED.
3. THE CONTRACTOR IS RESPONSIBLE FOR EROSION/SEDIMENTATION CONTROL PRACTICES DURING CONSTRUCTION TO MINIMIZE ON-SITE EROSION/SEDEMENTATION AND TO PROTECT AGAINST DAMAGE TO OFF SITE PROPERTY.
4. AREAS WITHIN THE RIGHT-OF-WAY AND EASEMENTS SHALL BE CLEARED OF ALL TREES, ROOTS, VEGETATION, AND ALL OTHER OBSTRUCTIONS RESTING ON OR PROTRUDING THROUGH THE SURFACE. AREAS OF EXCLUSION SUCH AS TREES OR DESIGNATED BUFFERS SHALL BE ADEQUATELY MARKED FOR PROTECTION.
5. STOCKPILES OF WASTE OR EXCESS MATERIAL SHALL NOT REMAIN WITHIN THE RIGHT-OF-WAY OR EASEMENTS AND SHALL BE REMOVED FROM THE BOUNDS OF THE PROJECT IN A LEGAL MANNER.
6. STOCKPILES OF EXCAVATED TOPSOIL OR FILL MATERIAL SHALL BE LOCATED SUCH THAT SITE DRAINAGE OR WATERWAYS ARE NOT OBSTRUCTED. THE OWNER OF PROPERTY MAY TEMPORARILY STOCKPILE TOPSOIL OR ROCKS, OUTSIDE OF ALL RIGHTS-OF-WAY AND EASEMENTS, TO REMAIN FOR FUTURE LANDSCAPING. STOCKPILES OF EXCESS SUITABLE MATERIAL MUST BE REMOVED PRIOR TO FINAL INSPECTION OR APPROPRIATELY PERMITTED TO REMAIN ON SITE. STOCKPILE LOCATION APPROVAL MUST BE OBTAINED THROUGH THE APPROPRIATE REGULATING AGENCY AND A PERMIT MUST BE OBTAINED.
7. EXCAVATION SHALL INCLUDE REMOVAL OF ALL MATERIALS AND STRUCTURES NECESSARY TO CONSTRUCT ROADWAY AND DRAINAGE FACILITIES TO THE APPROPRIATE LINE AND GRADE.
8. CONTRACTOR SHALL BE EXTREMELY CAUTIOUS WHEN WORKING NEAR TREES WHICH ARE TO BE SAVED, WHETHER SHOWN ON THE PLANS OR DESIGNATED IN THE FIELD.
9. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND DISPOSING ALL WASTE MATERIALS CONSISTENT WITH ALL RULES AND REGULATIONS APPLICABLE TO THE SPECIFIC MATERIAL FOUND. ALL DELETERIOUS SUBSURFACE MATERIAL (I.E. MULCH, PEAT, BURIED DEBRIS, ETC.) IS TO BE EXCAVATED AND REPLACE WITH SUITABLE/COMPACTED SOILS AS DIRECTED BY THE OWNER, ENGINEER OR GEOTECHNICAL ENGINEER. EXCAVATED AREAS ARE TO BE BACKFILLED WITH APPROVED MATERIALS AND COMPACTED AS SHOWN ON THESE PLANS. CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ANY PERMITS THAT ARE NECESSARY FOR REMOVING DELETERIOUS MATERIAL FROM THE SITE.
10. CONTRACTOR IS RESPONSIBLE FOR GRADING ALL PAVEMENTS TO DRAIN POSITIVELY. SHOULD AREAS OF POOR DRAINAGE BE OBSERVED, CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO FINAL GRADING.
11. ALL STORM STRUCTURES SHALL CONFORM WITH FDOT STANDARD INDEX DRAWINGS AND SPECIFICATIONS EXCEPT THAT DITCH BOTTOM INLETS IN PAVED AREAS SHALL HAVE TRAVERSABLE, TRAFFIC BEARING GRATES SUPPORTED BY STEEL ANGLE SEATS OR SUPPORTED ON FOUR SIDES. GRATES SHALL BE CAST IRON UNLESS OTHERWISE SPECIFIED OR APPROVED.
12. CONTRACTOR SHALL SUBMIT FOR REVIEW TO THE OWNER AND OWNER'S ENGINEER SHOP DRAWINGS ON ALL PRECAST AND MANUFACTURED ITEMS TO BE USED ON THIS SITE. FAILURE TO OBTAIN APPROVAL BEFORE INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT CONTRACTOR'S EXPENSE. ENGINEER'S APPROVAL OF A SHOP DRAWING DOES NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITY FOR THE PERFORMANCE OF THE ITEM.
13. THE CONTRACTOR SHALL MAINTAIN AND PROTECT FROM MUD, DIRT, DEBRIS, ETC. THE STORM DRAINAGE SYSTEM UNTIL FINAL ACCEPTANCE OF THE PROJECT. THE STORM SYSTEM WILL BE REINSPECTED BY THE OWNER'S ENGINEER PRIOR TO FINAL APPROVAL. THE CONTRACTOR MAY BE REQUIRED TO RECLEAN PIPES AND INLETS FOR THESE PURPOSES.
14. THE CONTRACTOR SHALL MAINTAIN IN HIS POSSESSION A COPY OF THE WATER MANAGEMENT DISTRICT CONSTRUCTION PERMIT. HE SHALL BE RESPONSIBLE FOR ADHERENCE TO ALL CONDITIONS CONTAINED IN THE PERMIT.
15. THE COST OF ALL TESTING OF COMPACTION AND OTHER REQUIRED TESTS SHALL BE PAID BY THE CONTRACTOR AND MADE AVAILABLE TO THE ENGINEERING OF RECORD DURING SITE INSPECTIONS.
16. IF LIMEROCK IS ENCOUNTERED DURING EXCAVATION OF THE SWALES/BASINS OR IF A SINKHOLE FORMS IN THE AREA OF A DRAINAGE SWALE/BASIN, THE ENGINEER OF RECORD SHALL BE NOTIFIED BY EITHER THE CONTRACTOR OR THE ESTABLISHED OPERATION AND MAINTENANCE ENTITY. THE ENGINEER OF RECORD SHALL INSPECT THE REPAIRED AREA UPON COMPLETION OF THE REPAIR.
17. REMOVAL OF ALL CONSTRUCTION DEBRIS, LIMEROCK, EXCESS OF BUILDERS SAND, CONCRETE AND MORTAR DEBRIS, EXISTING WEEDS AND GRASSES, AND ALL FOREIGN MATERIALS IN THE PLANTING BED AND SOD AREAS SHALL BE REMOVED. 12" OF CLEAN FLORIDA FILL WITH THE pH OF 5.5-6.5 SHALL BE INSTALLED PRIOR TO ANY INSTALLATION OF PLANTS OR TREES.

## MAINTENANCE OF TRAFFIC (MOT) NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR CREATING 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 THAT REQUIRE A LANE (OR ROAD) CLOSURE, SUCH AS CONNECTION TO SEWER MANHOLES AND WATER MAINS. 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 OF KEYSTONE HEIGHTS REQUIREMENTS AND MUST BE REVIEWED AND APPROVED BY THE CITY OF GAINESVILLE PUBLIC WORKS DEPARTMENT. IN CASES WHERE THE WORK OCCURS IN AN FDOT RIGHT-OF-WAY OR REQUIRES PLACEMENT OF WORK ZONE SIGNS IN AN FDOT RIGHT-OF-WAY, THE MOT PLAN MUST ALSO BE REVIEWED AND APPROVED BY FDOT.

## ENVIRONMENTAL GENERAL NOTES

1. SYNTHETIC HAY BALES OR FABRIC FENCE (SILT TYPE) SHALL BE UTILIZED AS SILT BARRIERS AND PLACED IN LOCATIONS SHOWN ON THE PLANS AND AT OTHER LOCATIONS AS REQUIRED TO KEEP SEDIMENT FROM REACHING WATER BODIES OR WETLAND AREAS (REFERENCE STORM WATER POLLUTION PREVENTION PLANS). THESE BARRIERS SHALL BE INSTALLED BEFORE COMMENCING WITH ANY CONSTRUCTION WITHIN OR ADJACENT TO JURISDICTIONAL AREAS. THE CONTRACTOR SHALL MONITOR AND MAINTAIN ALL SILT BARRIERS AND FENCING INCLUDING DAILY INSPECTIONS TO CHECK THEIR INTEGRITY. ANY LOOSE OR DAMAGED SILT BARRIERS AND FENCING SHALL BE IMMEDIATELY REPAIRED OR REPLACED AS NECESSARY. ONCE CONSTRUCTION IS COMPLETED AND FINISHED GRADING AND STABILIZATION HAS BEEN ACHIEVED, SILT BARRIERS AND FENCING SHALL BE COMPLETELY REMOVED TO THE SATISFACTION OF THE ENGINEER AND BEFORE FINAL ACCEPTANCE.
2. ALL WATER COLLECTED AND PUMPED DURING TRENCH DEWATERING ACTIVITIES SHALL BE DISPOSED OF IN UPLAND AREAS INTO DOUBLE STAKED HAY BALES. DISCHARGE LOCATIONS SHALL BE A MINIMUM OF 75 FEET FROM THE NEAREST WATER BODY OR WETLAND AREA TO ALLOW FOR MAXIMUM OVERLAND FILTRATION OF SOIL PARTICLES. EXCAVATION ACROSS ALL WETLANDS SHALL BE ACCOMPLISHED BY STRIPPING THE TOP 10 INCHES OF SURFICIAL SOILS FROM THE FULL WIDTH OF THE AREA TO BE DISTURBED. SURFICIAL SOILS SHALL BE REPLACED LAST AND SHALL BE SPREAD ACROSS THE ENTIRE DISTURBED WETLAND AREA TO HELP PROMOTE NATIVE VEGETABLE GROWTH. SURFICIAL SOILS SHALL NOT BE STOCKPILED IN EXCESS OF TWO WEEKS. FURTHER, ALL ASPECTS OF BACKFILLING, GRADING AND MULCHING SHALL BE COMPLETE WITHIN 30 DAYS OF INITIAL WETLAND IMPACT FOR EACH JURISDICTIONAL AREA.
3. TEMPORARY STOCKPILES SHALL NOT BE LOCATED ADJACENT TO WETLANDS WHERE SEDIMENTATION FROM STOCKPILES MAY CAUSE DAMAGE TO WETLAND. ADDITIONALLY, SILT BARRIERS AND FENCING SHALL CONTINUOUSLY AND FULLY ENCIRCLE ALL STOCKPILES WHICH WILL REMAIN FOR LONGER THAN 24 HOURS TO CONTAIN MATERIALS WITHIN A REASONABLY CONFINED AREA.
4. BANKS SHALL BE PROTECTED FROM EROSION OR COLLAPSE DURING CONSTRUCTION. BANK PROTECTION MATERIAL SHALL BE CAREFULLY PLACED FROM THE BANK AND NOT DUMPED FROM ABOVE IN AN UNCONTROLLED MANNER. SANDBAGS SHALL BE USED FOR PROTECTING THE BANKS. UPON COMPLETION OF CONSTRUCTION, BANKS AND WATERWAYS SHALL BE RESTORED TO THEIR PRE-CONSTRUCTION CONFIGURATION AND PROTECTED FROM EROSION.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ON SITE DUST CONTROL. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
6. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY SEEDED UNLESS CALLED OUT TO BE SODDED. THESE AREAS SHALL BE SEEDED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRED IN THESE AREAS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE DETENTION/RETENTION POND AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM DRAINS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
8. ALL CONTROL STRUCTURE AND OUTFALL CULVERT INSTALLATIONS SHALL BE PROTECTED WITH SEDIMENT BARRIERS AT A MINIMUM.

## ASBUILT 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 INCLUDED AS PART OF THE CONSTRUCTION DOCUMENTS.
4. PROVIDE PERIMETER DIMENSIONS AND AT TOP OF BANK AND BOTTOM OF POND.
5. PROVIDE ELEVATIONS AT TOP OF BANK, BOTTOM OF POND AND POND OUTFALL STRUCTURE(S).
6. PROVIDE SPECIAL DETAIL DRAWINGS WHERE INSTALLATIONS WERE NOT AS SHOWN ON CONSTRUCTION DRAWINGS DUE TO FIELD CONDITIONS OR WHERE REQUIRED FOR CLARITY.
7. LOCATE ALL PIPES AND PROVIDE SIZE, ELEVATION, INVERT ELEVATIONS, LENGTH AND TYPE.

# NORTHSIDE PARK IMPROVEMENTS

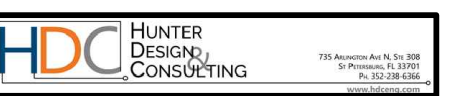
City of Gainesville  
WSPP



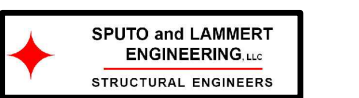
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

**MANLEY DESIGN**  
Landscape Architecture • Site Planning

Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SEAL:

DAVID SOWELL, P.E. 68531

PROJECT NO: 18-0072.001

CLIENTS NO:

ISSUED FOR: **CLIENT REVIEW & PERMITTING**

ISSUED DATE: JANUARY 2019

REVISIONS:

SCALE:

**AS SHOWN**

SHEET TITLE:

**GENERAL NOTES**

SHEET NUMBER:

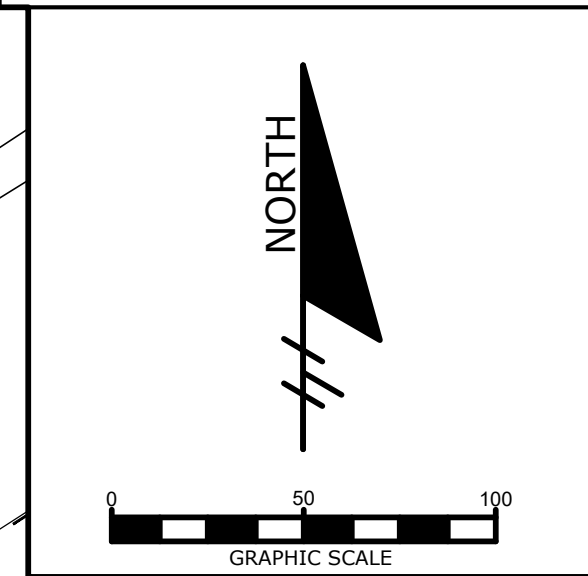
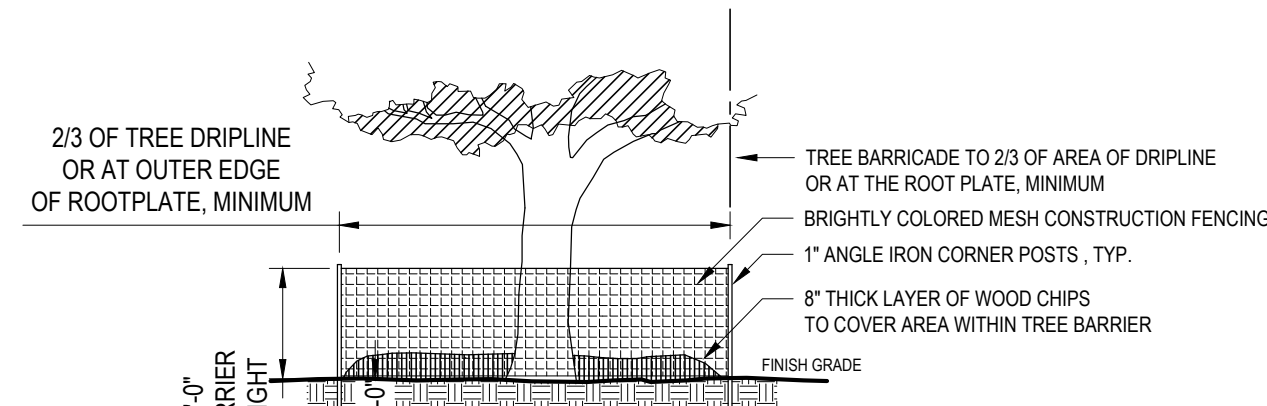
**CO.10**

**DEMOLITION NOTES**

1. VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION. NOTIFY OWNER'S REPRESENTATIVE IN THE CASE OF A DISCREPANCY.
2. CONTRACTOR SHALL COORDINATE WITH IRRIGATION PLANS FOR DEMOLITION AND ALTERATIONS OF THE EXISTING IRRIGATION SYSTEM.
3. PRIOR TO COMMENCEMENT OF WORK OR ANY DEMOLITION ACTIVITIES, COORDINATE AN ON-SITE MEETING WITH THE OWNER'S REPRESENTATIVE TO REVIEW PROPOSED DEMOLITION ACTIVITIES AND DISCUSS SALVAGED ITEMS PRIOR TO COMMENCEMENT OF WORK. PRIOR TO THIS MEETING AND DEMOLITION ACTIVITIES, LOCATE ALL EXISTING UTILITIES. PREPARE AND PROVIDE A STAGING PLAN TO THE OWNER'S REPRESENTATIVE, AND FLAG ALL PROPOSED DEMOLITION ITEMS AND AREAS.
4. THE SENIOR CENTER AND ASSOCIATED ACCESS DRIVES AND PARKING AREA SHALL REMAIN OPEN THROUGHOUT CONSTRUCTION. PROVIDE OWNERS REPRESENTATIVE WITH A MAINTENANCE OF ACCESS AND TRAFFIC PLAN FOR THE SENIOR CENTER AND PARKING AREA DURING CONSTRUCTION.
5. LOCATE ALL UTILITIES PRIOR TO DEMOLITION ACTIVITIES. CALL SUNSHINE STATE ONE CALL-CONTACT: 811. CALL A MINIMUM OF ONE WEEK PRIOR TO PROPOSED ACTIVITIES AND NOTIFY ALL UTILITY COMPANIES 48 HOURS PRIOR TO WORK.
6. PROTECT EXISTING IMPROVEMENTS TO REMAIN DURING CONSTRUCTION.
7. PROTECT DRAINS TO PREVENT DEBRIS ENCROACHMENT DURING CONSTRUCTION. REFER TO THE STORMWATER POLLUTION PREVENTION PLAN SHEETS FOR ADDITIONAL INSTRUCTIONS.
8. PROTECT DEMOLISHED AREAS TO MINIMIZE EROSION DURING CONSTRUCTION. REFER TO THE STORMWATER POLLUTION PREVENTION PLAN SHEETS FOR ADDITIONAL INSTRUCTIONS.
9. DETERMINE AND OBTAIN APPROVAL ON STORAGE LOCATION OF SALVAGED ITEMS FROM OWNER'S REPRESENTATIVE PRIOR TO REMOVAL OF ITEMS.
10. PRESSURE-WASH AND CLEAN ALL PAVING, WALLS, AND CURBS TO REMAIN WITHIN PROJECT AREA AND AS NOTED.
11. REMOVE AND SALVAGE THE FOLLOWING ITEMS, TYPICAL:
  - LITTER RECEPTACLES
  - DISC GOLF BASKETS/HOLES
  - DISC GOLF SIGNS
  - PARK SIGNS AND KIOSKS
  - EXERCISE EQUIPMENT
  - TENNIS COURT FENCING
  - TENNIS COURT LIGHTING AND CONTROLS
12. INSTALL TREE BARRICADES AROUND EXISTING TREES TO REMAIN AS PER THE FOLLOWING NOTES AND BELOW TREE PROTECTION DETAIL. 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. PROTECTIVE TREE BARRIERS SHALL BE CONSTRUCTED 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.
13. 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.

**NOTE:**

1. 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.
2. NO GRADE CHANGES MAY OCCUR WITHIN TREE BARRIER AREA WITHOUT APPROVAL.
3. 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.
4. 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.



**NORTHSIDE PARK IMPROVEMENTS**

City of Gainesville  
WSPP



DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648



Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SEAL:

DAVID SOWELL, P.E. 68531

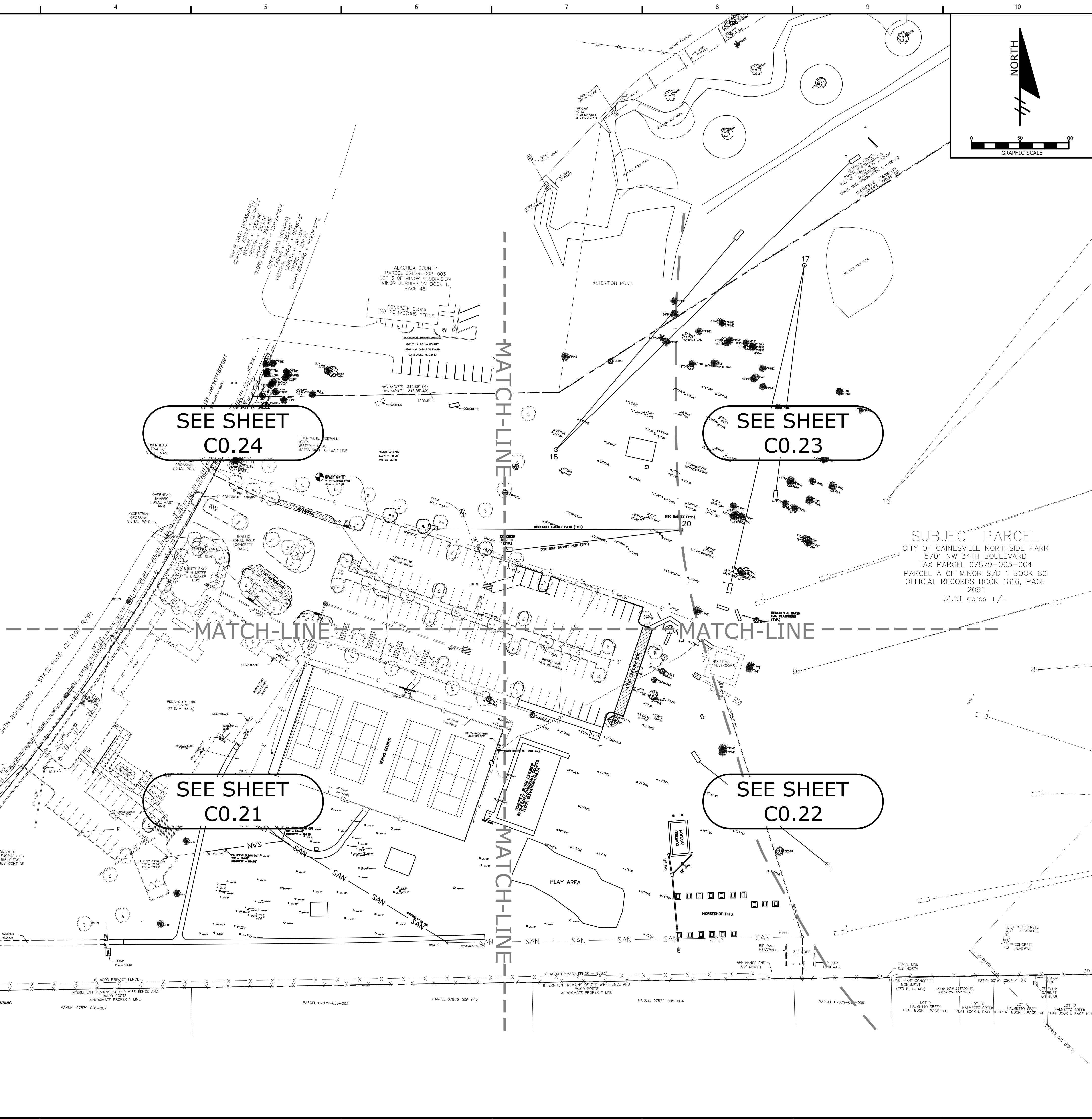
PROJECT NO: 18-0072.001  
CLIENTS NO:  
ISSUED FOR: CLIENT REVIEW & PERMITTING  
ISSUED DATE: JANUARY 2019  
REVISIONS:

SCALE:  
AS SHOWN

SHEET TITLE:  
DEMOLITION KEY PLAN

SHEET NUMBER:  
C0.20

P:\Projects\18-0072.001\_WSPP - Northside Park Improvements\CADD\Production Drawings\C0.20 - DEMOLITION KEY PLAN.dwg PLOT DATE: 1/21/2019 1:06 PM BY: MAF



# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648



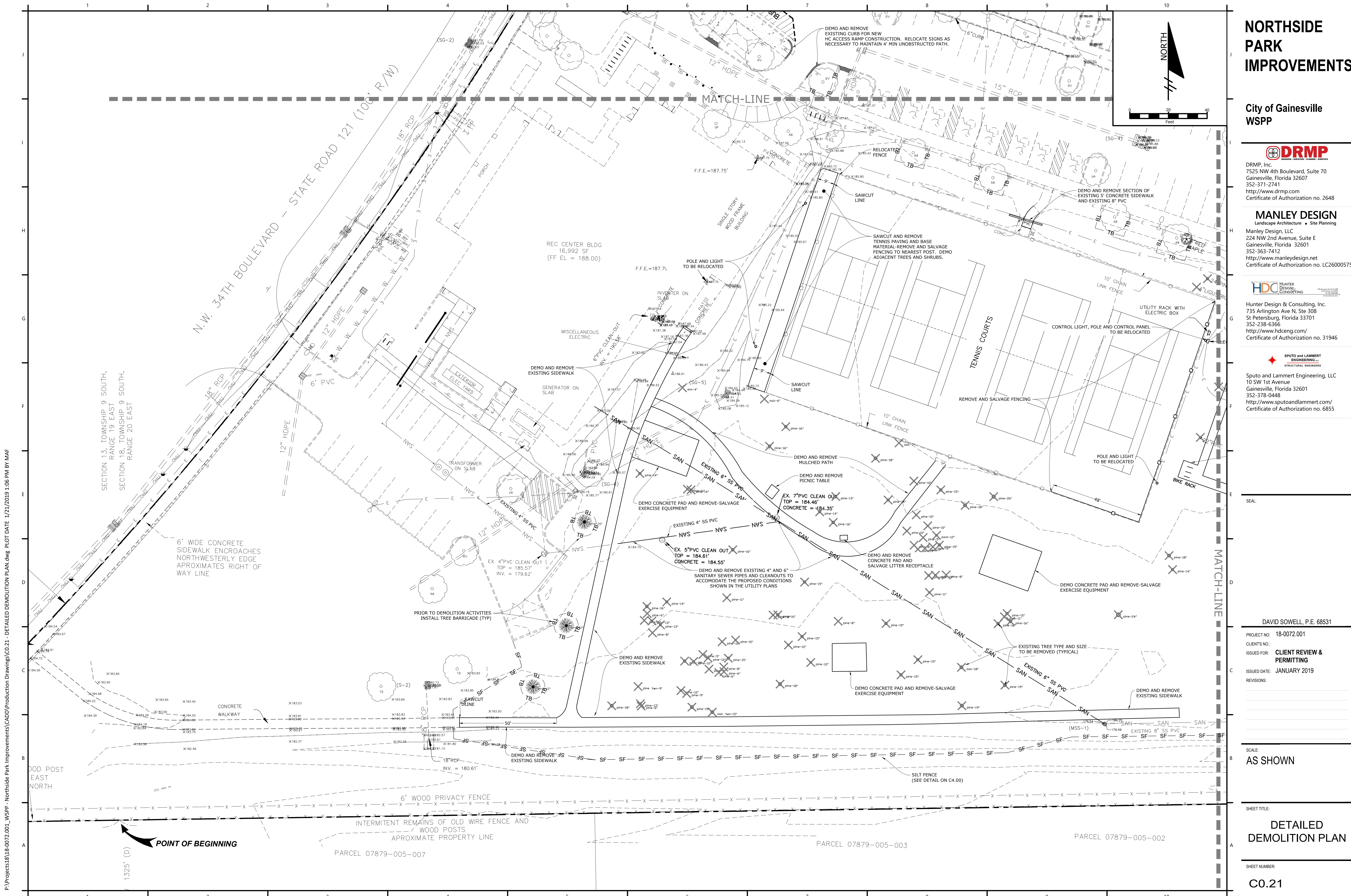
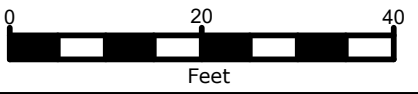
Manley Design, LLC  
Landscape Architecture • Site Planning  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855



P:\Projects\18-0072.001\_WSPP - Northside Park Improvements\CADD\Production Drawings\CO.21 - DETAILED DEMOLITION PLAN.dwg PLOT DATE 1/21/2019 1:06 PM BY MAF

SEAL:

DAVID SOWELL, P.E. 68531

PROJECT NO: 18-0072.001  
CLIENTS NO:  
ISSUED FOR: CLIENT REVIEW & PERMITTING  
ISSUED DATE: JANUARY 2019  
REVISIONS:

SCALE:  
AS SHOWN

SHEET TITLE:  
**DETAILED DEMOLITION PLAN**

SHEET NUMBER:  
CO.21

# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

## MANLEY DESIGN

Landscape Architecture • Site Planning  
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SEAL:

DAVID SOWELL, P.E. 68531

PROJECT NO: 18-0072.001  
CLIENTS NO:  
ISSUED FOR: CLIENT REVIEW & PERMITTING  
ISSUED DATE: JANUARY 2019  
REVISIONS:

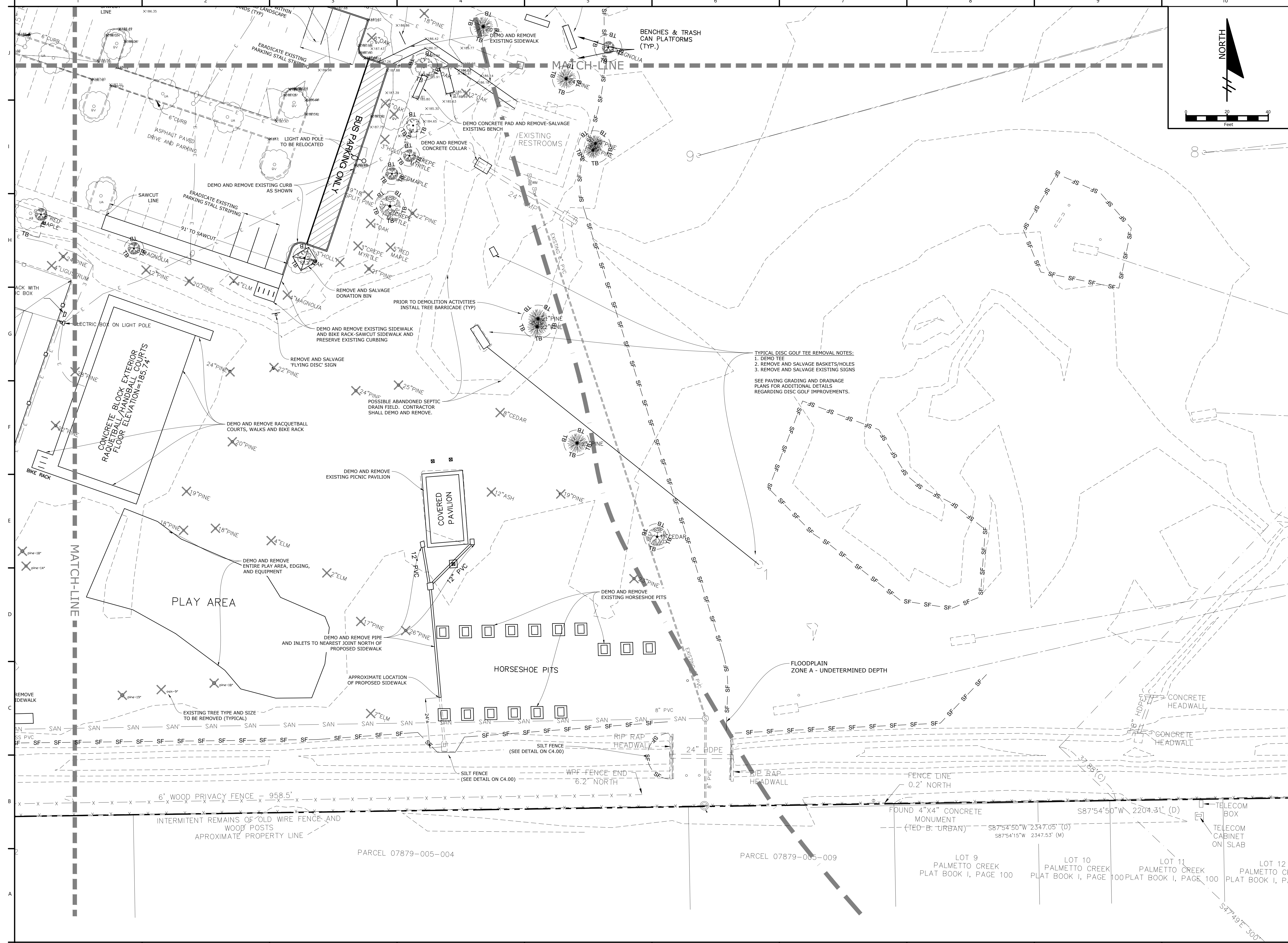
SCALE:  
AS SHOWN

SHEET TITLE:  
**DETAILED DEMOLITION PLAN**

SHEET NUMBER:

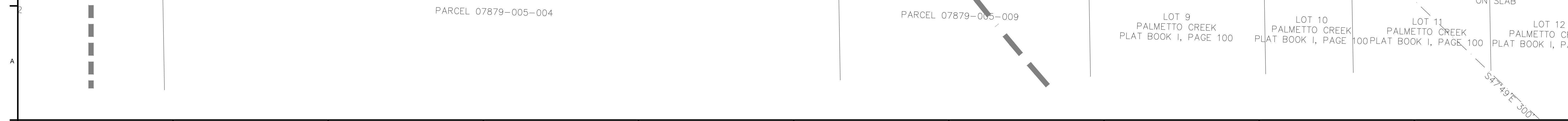
C0.22

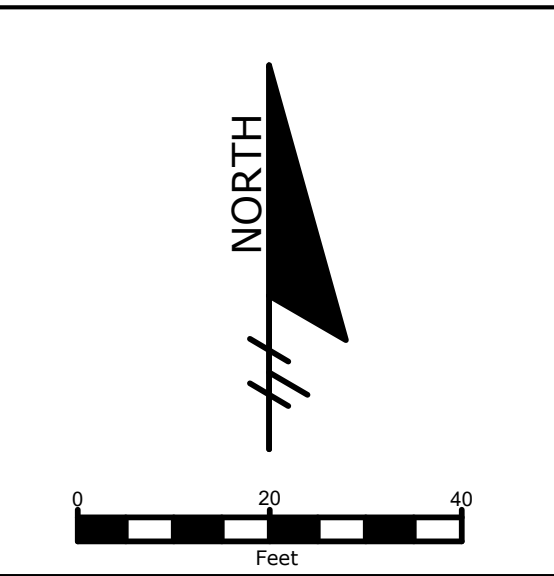
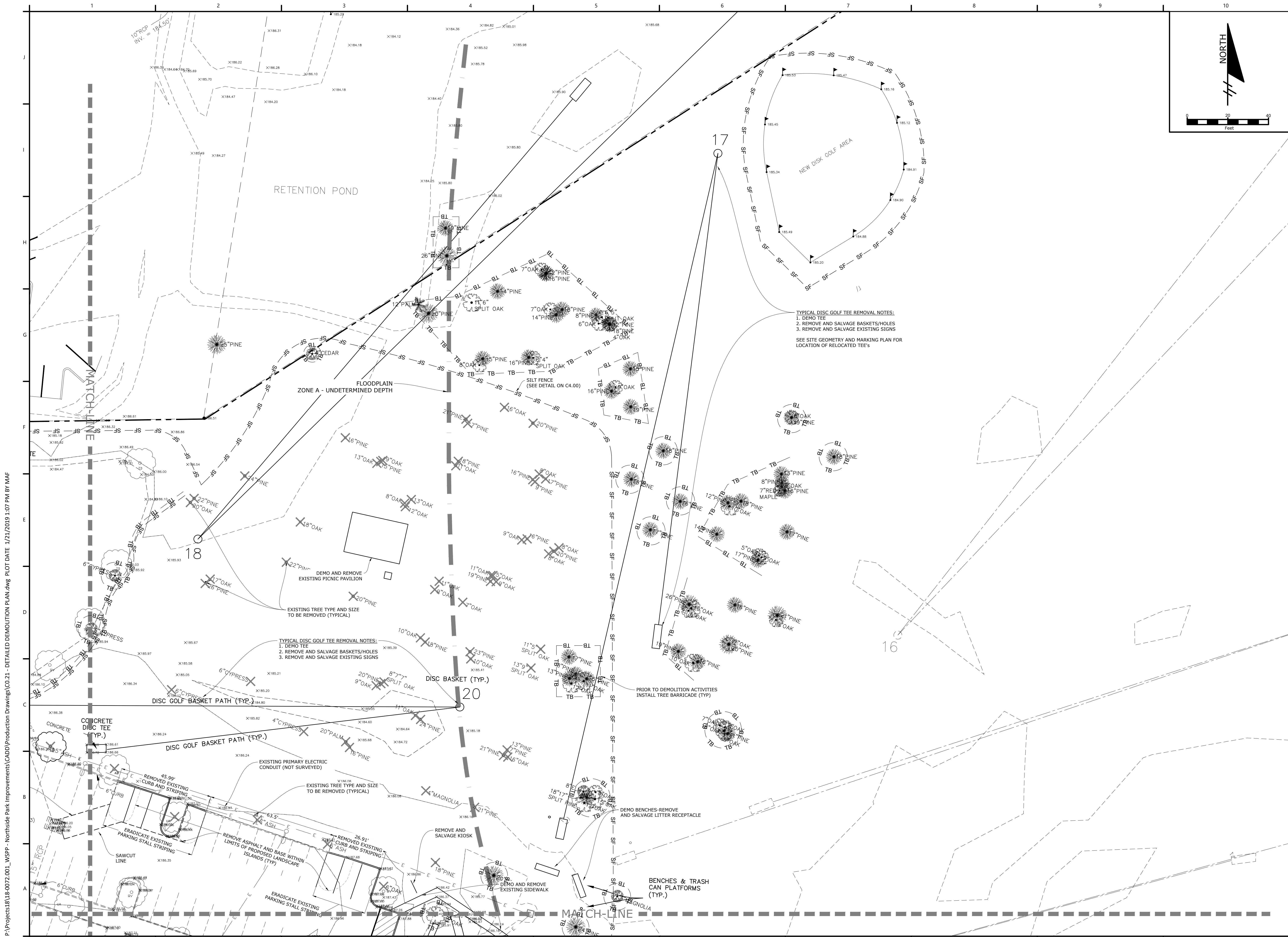
P:\Projects\18-0072.001\_WSPP - Northside Park Improvements\CADD\Production Drawings\C0.21 - DETAILED DEMOLITION PLAN.dwg PLOT DATE: 1/21/2019 1:07 PM BY: MAF



**TYPICAL DISC GOLF TEE REMOVAL NOTES:**  
1. DEMO TEE  
2. REMOVE AND SALVAGE BASKETS/HOLES  
3. REMOVE AND SALVAGE EXISTING SIGNS

SEE PAVING GRADING AND DRAINAGE PLANS FOR ADDITIONAL DETAILS REGARDING DISC GOLF IMPROVEMENTS.





# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP

**DRMP**  
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

**MANLEY DESIGN**  
Landscape Architecture • Site Planning  
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575

**HDC** HUNTER DESIGN & CONSULTING  
Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946

**Sputo and Lammert Engineering, LLC**  
Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SCALE:

DAVID SOWELL, P.E. 68531

PROJECT NO: 18-0072.001  
CLIENTS NO:  
ISSUED FOR: **CLIENT REVIEW & PERMITTING**  
ISSUED DATE: JANUARY 2019  
REVISIONS:

SCALE:  
**AS SHOWN**

SHEET TITLE:  
**DETAILED DEMOLITION PLAN**

SHEET NUMBER:  
**C0.23**

P:\Projects\18-0072.001\_WSPP - Northside Park Improvements\CADD\Production Drawings\C0.23 - DETAILED DEMOLITION PLAN.dwg PLOT DATE 1/21/2019 1:07 PM BY MAF

# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648



Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SEAL:

DAVID SOWELL, P.E. 68531

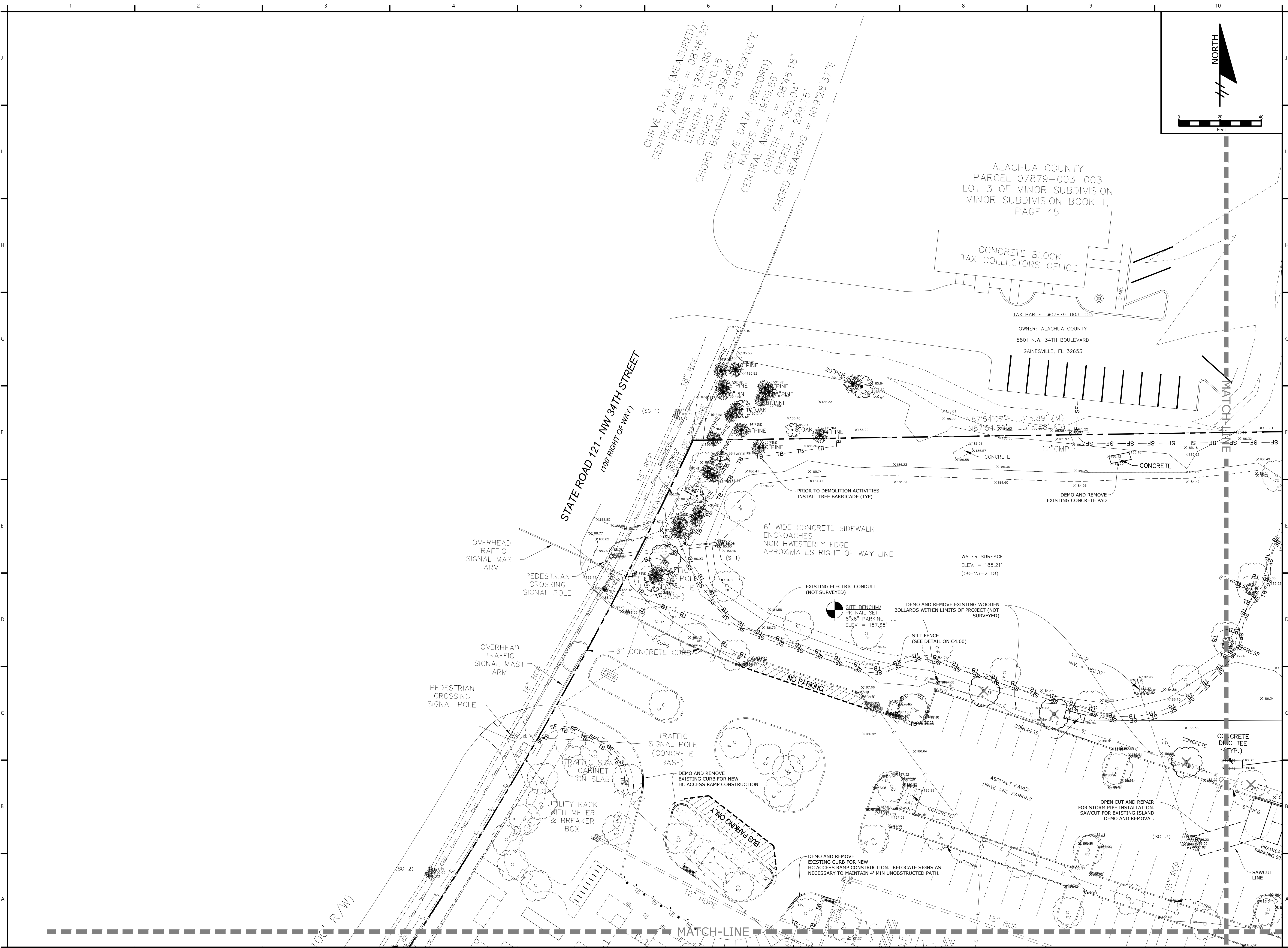
PROJECT NO: 18-0072.001  
CLIENTS NO:  
ISSUED FOR: CLIENT REVIEW & PERMITTING  
ISSUED DATE: JANUARY 2019  
REVISIONS:

SCALE:  
AS SHOWN

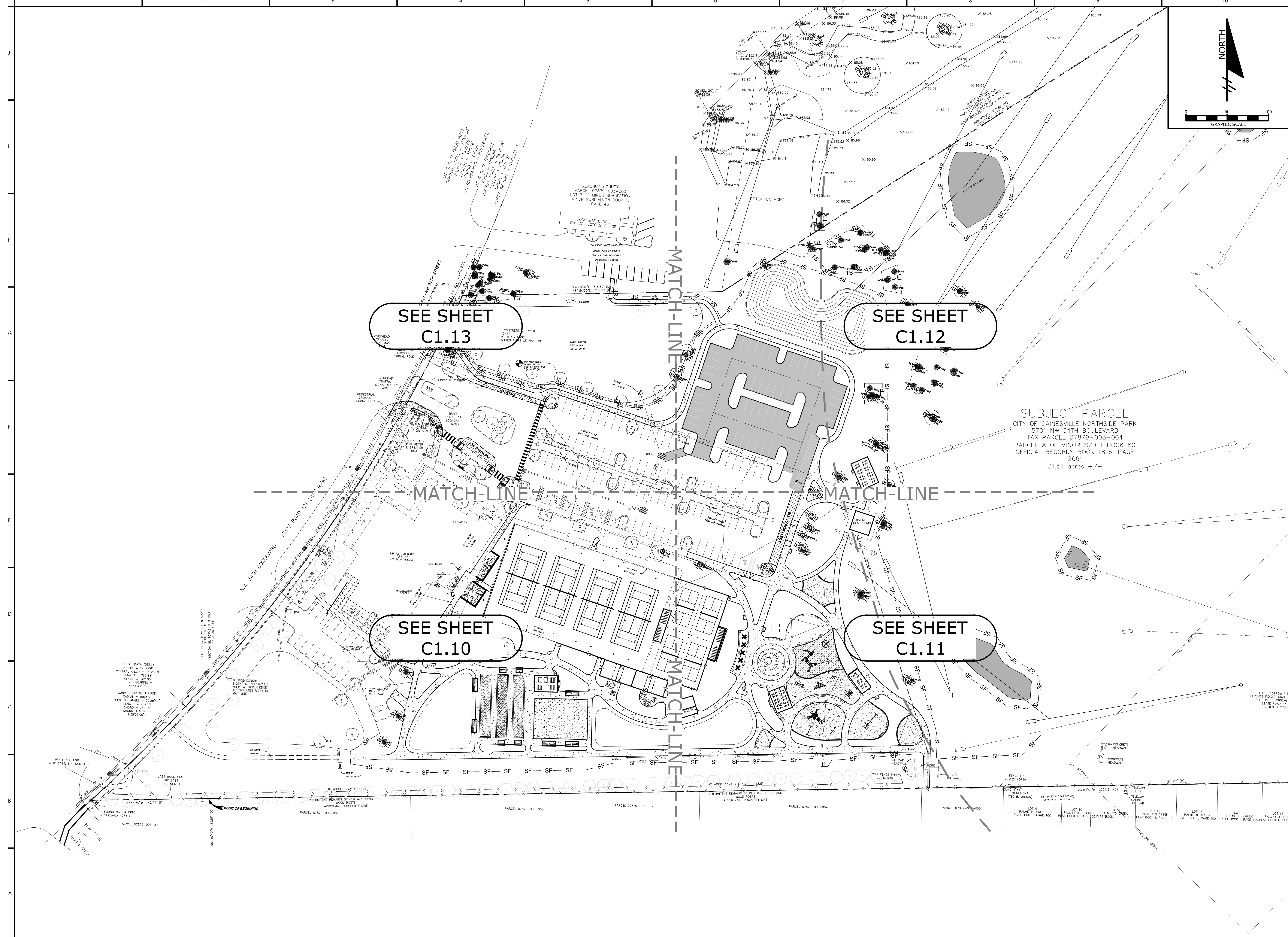
SHEET TITLE:  
**DETAILED DEMOLITION PLAN**

SHEET NUMBER:  
C0.24

P:\Projects\18-0072.001\_WSPP - Northside Park Improvements\CADD\Production Drawings\C0.21 - DETAILED DEMOLITION PLAN.dwg PLOT DATE 1/21/2019 1:07 PM BY MAF



P:\Projects\18-0072\001\_WSPP - Northside Park Improvements\CADD\Production Drawings\C1.00 - SITE GEOMETRY AND MARKING KEY PLAN.dwg - PLOT DATE: 1/21/2019 1:07 PM BY MAF



SEE SHEET  
C1.13

SEE SHEET  
C1.12

SEE SHEET  
C1.10

SEE SHEET  
C1.11

SUBJECT PARCEL  
CITY OF GAINESVILLE NORTHSIDE PARK  
5701 NW 34TH BOULEVARD  
TAX PARCEL 07879-003-004  
PARCEL A OF MINOR S/D 1 BOOK 80  
OFFICIAL RECORDS BOOK 1816, PAGE  
2061  
31.51 acres +/-

# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648



Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SEAL:

DAVID SOWELL, P.E. 68531

PROJECT NO: 18-0072.001  
CLIENTS NO:  
ISSUED FOR: CLIENT REVIEW & PERMITTING  
ISSUED DATE: JANUARY 2019  
REVISIONS:

SCALE:  
AS SHOWN

SHEET TITLE:  
SITE GEOMETRY  
AND MARKING KEY  
PLAN

SHEET NUMBER:

C1.00



# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648



Manley Design, LLC  
Landscape Architecture • Site Planning  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SEAL:

DAVID SOWELL, P.E. 68531

PROJECT NO: 18-0072.001  
CLIENTS NO:  
ISSUED FOR: CLIENT REVIEW & PERMITTING  
ISSUED DATE: JANUARY 2019  
REVISIONS:

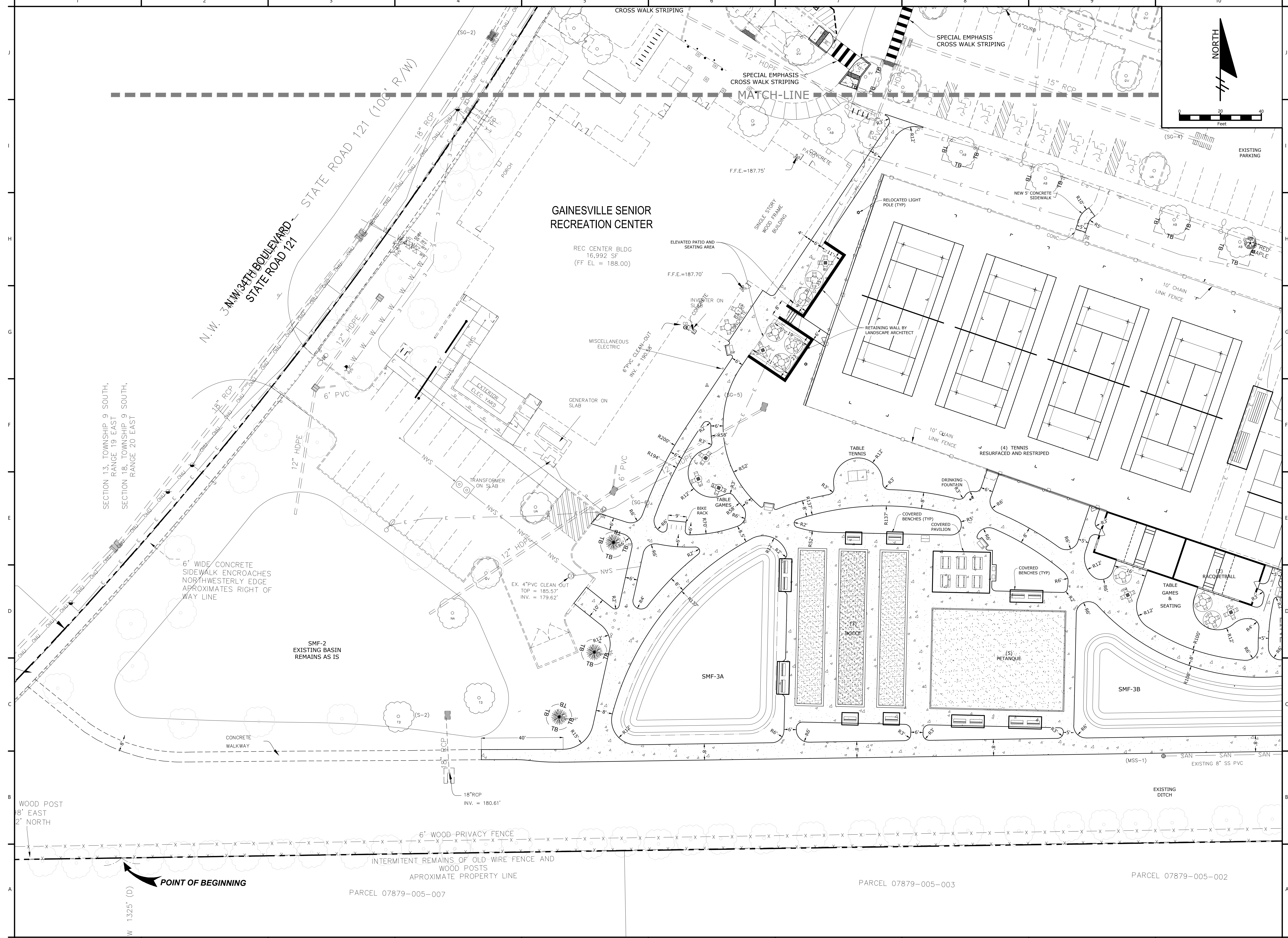
SCALE:  
AS SHOWN

SHEET TITLE:  
**DETAILED SITE GEOMETRY AND MARKING PLAN**

SHEET NUMBER:

C1.10

P:\Projects\18-0072.001\_WSPP - Northside Park Improvements\CADD\Production Drawings\C1.10 - DETAILED SITE GEOMETRY AND MARKING PLAN.dwg PLOT DATE 1/21/2019 1:07 PM BY MAF



**GAINESVILLE SENIOR RECREATION CENTER**

REC CENTER BLDG  
16,992 SF  
(FF EL = 188.00)

SECTION 13, TOWNSHIP 9 SOUTH,  
RANGE 19 EAST  
SECTION 18, TOWNSHIP 9 SOUTH,  
RANGE 20 EAST

6" WIDE CONCRETE  
SIDEWALK ENCLOSES  
NORTHWESTERLY EDGE  
APPROXIMATES RIGHT OF  
WAY LINE

SMF-2  
EXISTING BASIN  
REMAINS AS IS

WOOD POST  
8' EAST  
2' NORTH

**POINT OF BEGINNING**

PARCEL 07879-005-007

PARCEL 07879-005-003

PARCEL 07879-005-002

# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

## MANLEY DESIGN

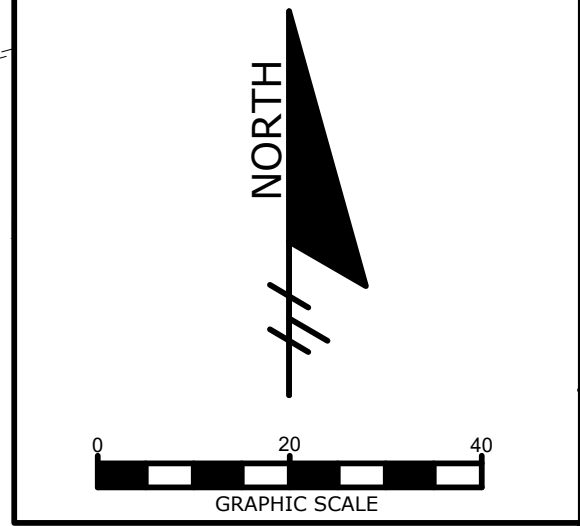
Landscape Architecture • Site Planning  
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



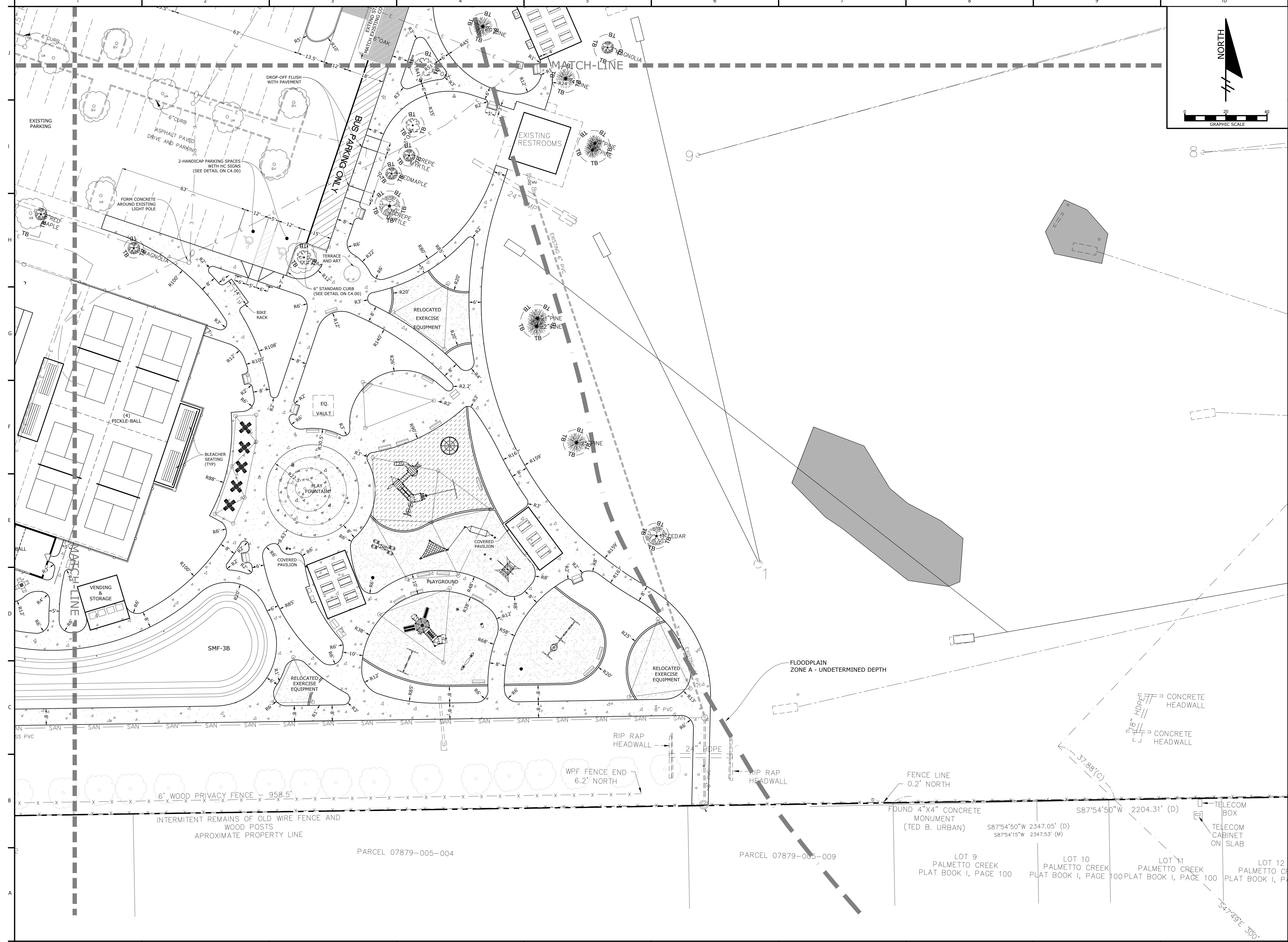
Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855



P:\Projects\18-0072.001\_WSPP - Northside Park Improvements\CADD\Production Drawings\C1.10 - DETAILED SITE GEOMETRY AND MARKING PLAN.dwg PLOT DATE 1/21/2019 1:08 PM BY MAF



SEAL:

DAVID SOWELL, P.E. 68531

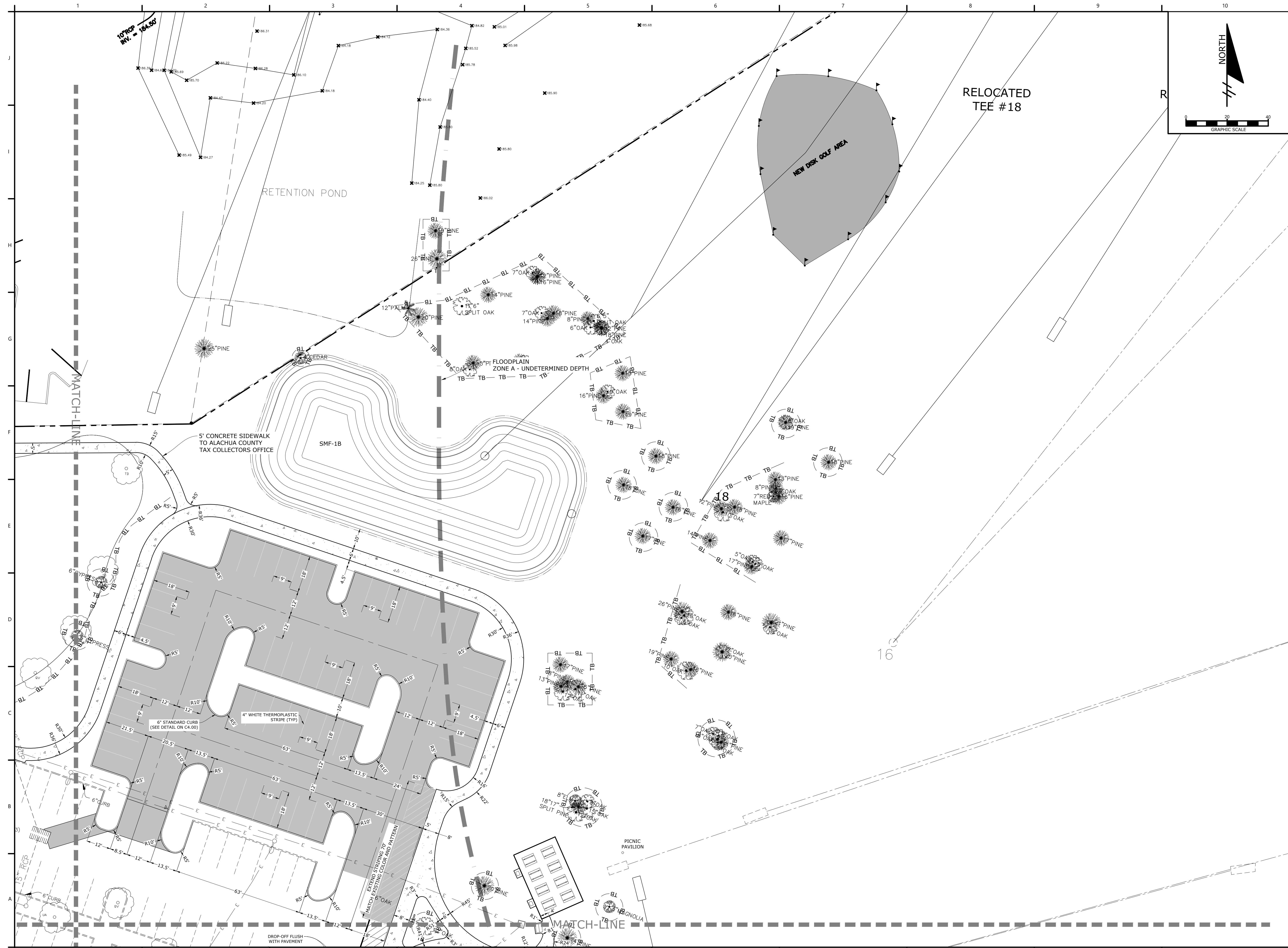
PROJECT NO: 18-0072.001  
CLIENTS NO:  
ISSUED FOR: **CLIENT REVIEW & PERMITTING**  
ISSUED DATE: JANUARY 2019  
REVISIONS:

SCALE:  
**AS SHOWN**

SHEET TITLE:  
**DETAILED SITE GEOMETRY AND MARKING PLAN**

SHEET NUMBER:  
**C1.11**

P:\Projects\18-0072\001\_WSPP - Northside Park Improvements\CADD\Production Drawings\C1.10 - DETAILED SITE GEOMETRY AND MARKING PLAN.dwg PLOT DATE 1/21/2019 1:08 PM BY MAF



# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville WSPP

**DRMP**  
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

**MANLEY DESIGN**  
Landscape Architecture • Site Planning  
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575

**HDC** HUNTER DESIGN & CONSULTING  
Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946

**Sputo and Lammert Engineering, LLC**  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SEAL:

DAVID SOWELL, P.E. 68531

PROJECT NO: 18-0072.001  
CLIENTS NO:  
ISSUED FOR: **CLIENT REVIEW & PERMITTING**  
ISSUED DATE: JANUARY 2019  
REVISIONS:

SCALE:  
**AS SHOWN**

SHEET TITLE:  
**DETAILED SITE GEOMETRY AND MARKING PLAN**

SHEET NUMBER:  
**C1.12**

P:\Projects\18-0072.001\_WSPP - Northside Park Improvements\CADD\Production Drawings\C1.10 - Detailed Site Geometry and Marking Plan.dwg PLOT DATE 1/21/2019 1:08 PM BY MAF

# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

**MANLEY DESIGN**  
Landscape Architecture • Site Planning

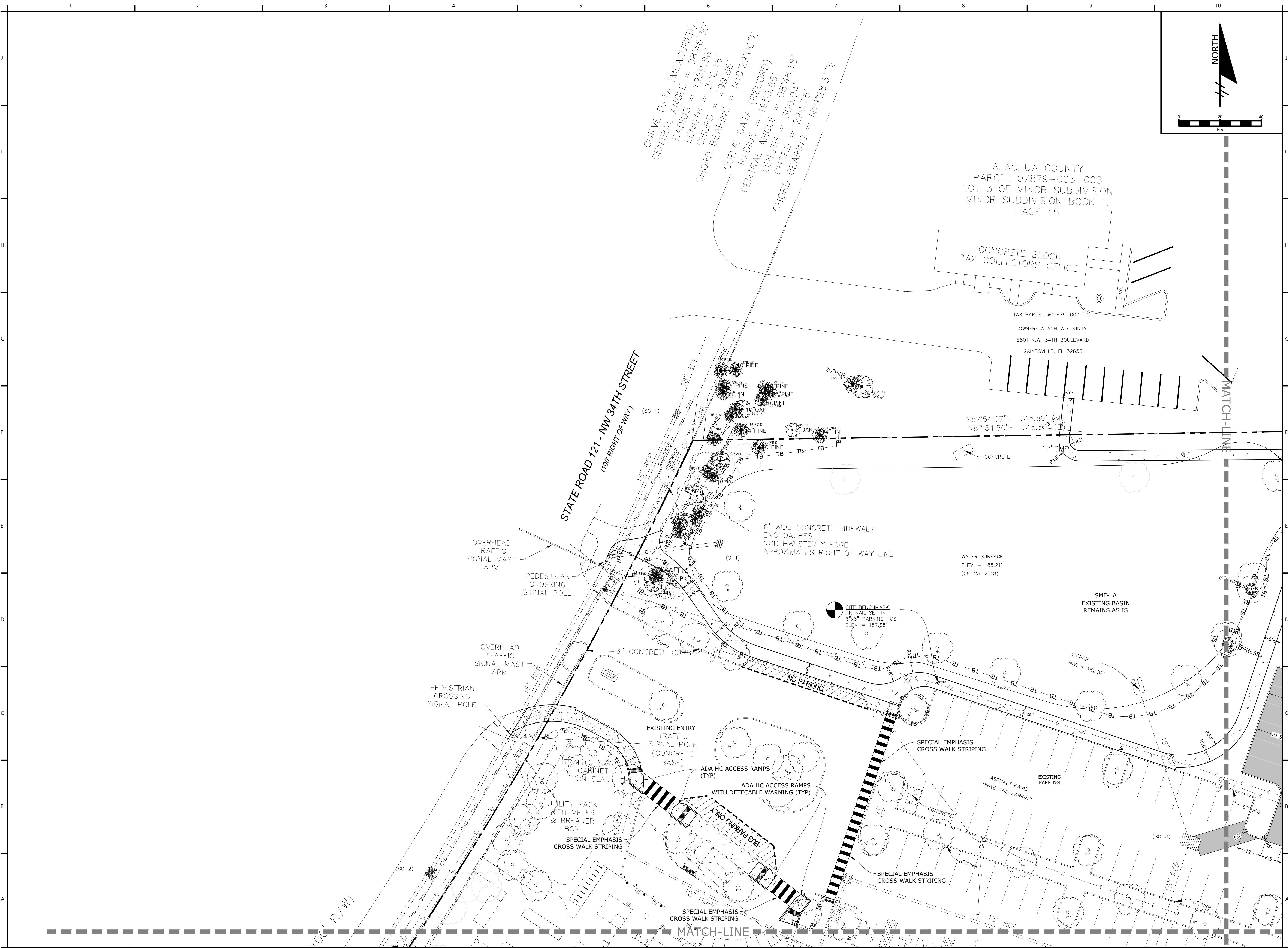
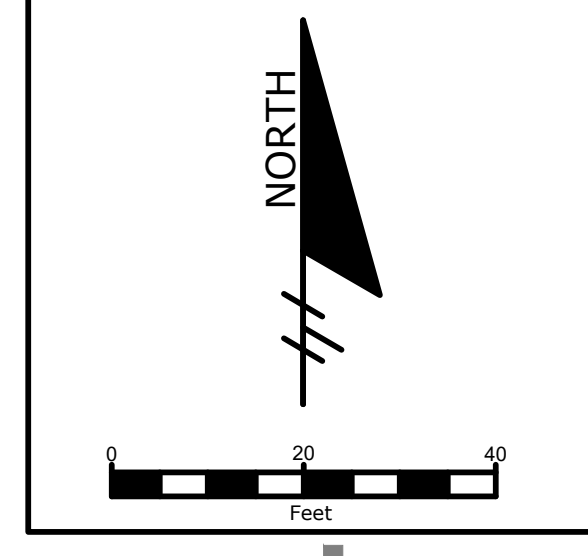
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855



SEAL:

DAVID SOWELL, P.E. 68531

PROJECT NO: 18-0072.001  
CLIENTS NO:  
ISSUED FOR: CLIENT REVIEW & PERMITTING  
ISSUED DATE: JANUARY 2019  
REVISIONS:

SCALE:  
AS SHOWN

SHEET TITLE:  
**DETAILED SITE GEOMETRY AND MARKING PLAN**

SHEET NUMBER:  
**C1.13**

P:\Projects\18-0072\001\_WSPP - Northside Park Improvements\CADD\Production Drawings\C2.00 - PAVING, GRADING AND DRAINAGE KEY PLAN.dwg PLOT DATE 1/21/2019 1:08 PM BY MAF

# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648



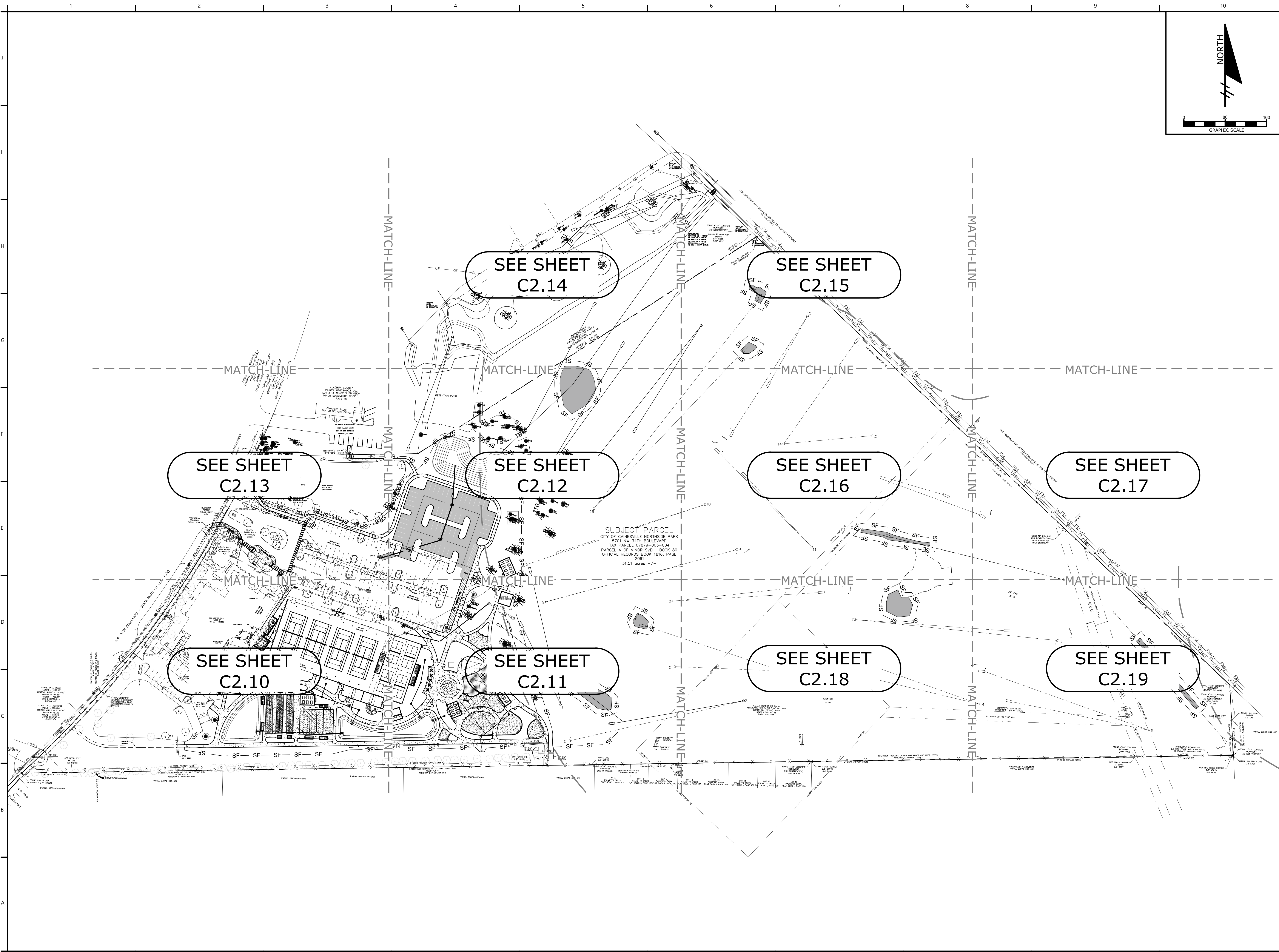
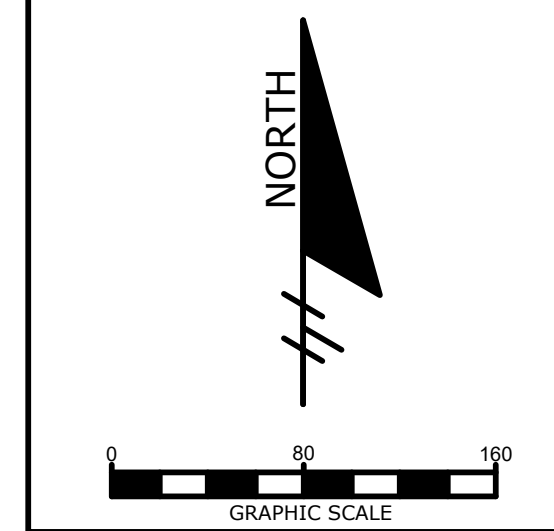
Manley Design, LLC  
Landscape Architecture • Site Planning  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855



SEAL:

DAVID SOWELL, P.E. 68531  
PROJECT NO: 18-0072.001  
CLIENTS NO:  
ISSUED FOR: CLIENT REVIEW & PERMITTING  
ISSUED DATE: JANUARY 2019  
REVISIONS:

SCALE:  
AS SHOWN

SHEET TITLE:  
PAVING, GRADING AND DRAINAGE KEY PLAN

SHEET NUMBER:  
C2.00

# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648



Manley Design, LLC  
Landscape Architecture • Site Planning  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SEAL:

DAVID SOWELL, P.E. 68531

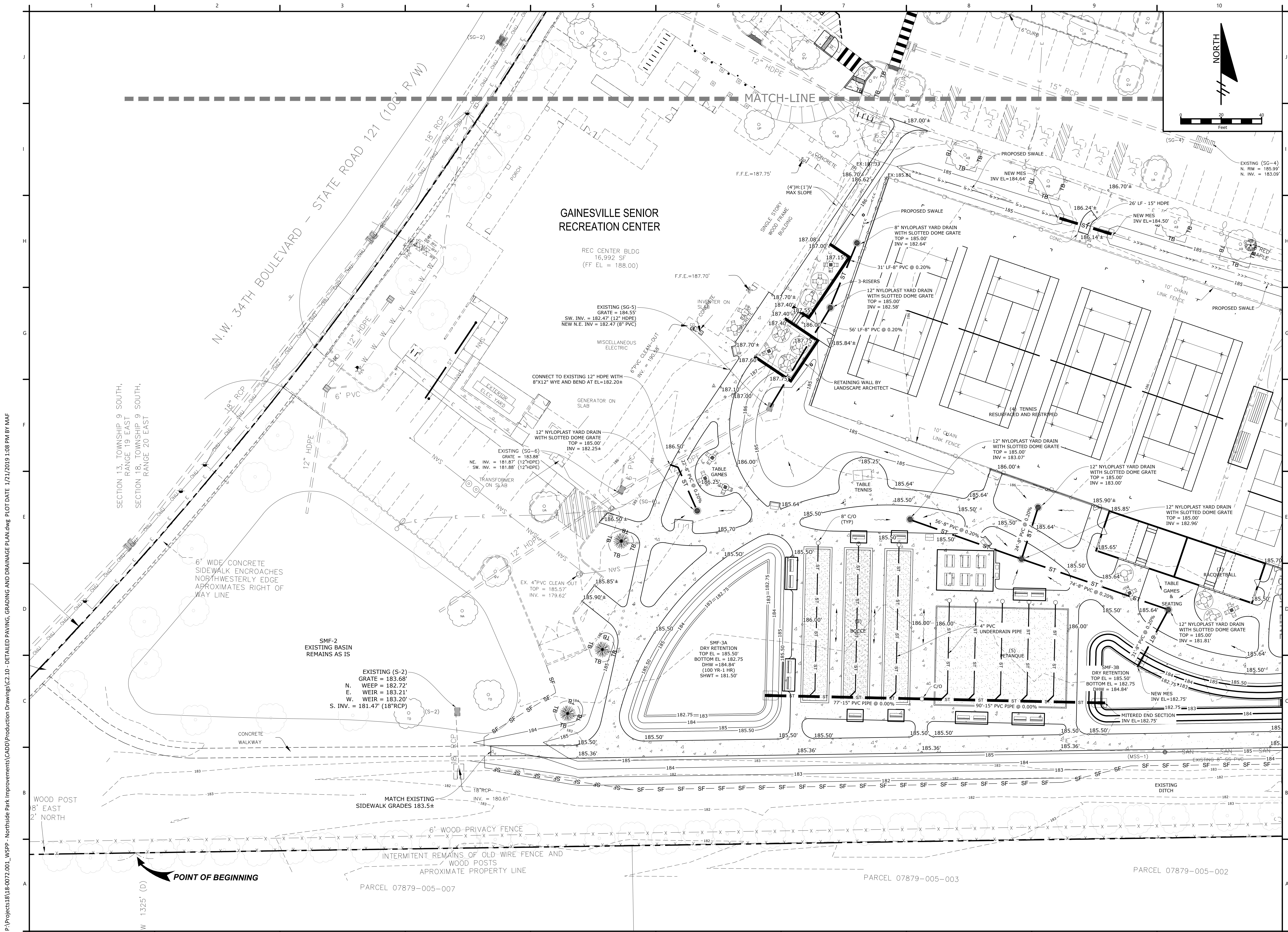
PROJECT NO: 18-0072.001  
CLIENTS NO:  
ISSUED FOR: CLIENT REVIEW & PERMITTING  
ISSUED DATE: JANUARY 2019  
REVISIONS:

SCALE:  
AS SHOWN

SHEET TITLE:  
DETAILED PAVING,  
GRADING AND  
DRAINAGE PLAN

SHEET NUMBER:

C2.10



P:\Projects\18-0072.001\_WSPP - Northside Park Improvements\CADD\Production Drawings\C2.10 - DETAILED PAVING, GRADING AND DRAINAGE PLAN.dwg PLOT DATE: 1/21/2019 1:08 PM BY: MAF

# NORTHSIDE PARK IMPROVEMENTS

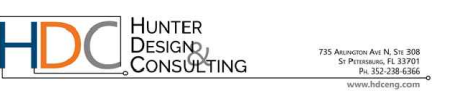
City of Gainesville  
WSPP



DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648



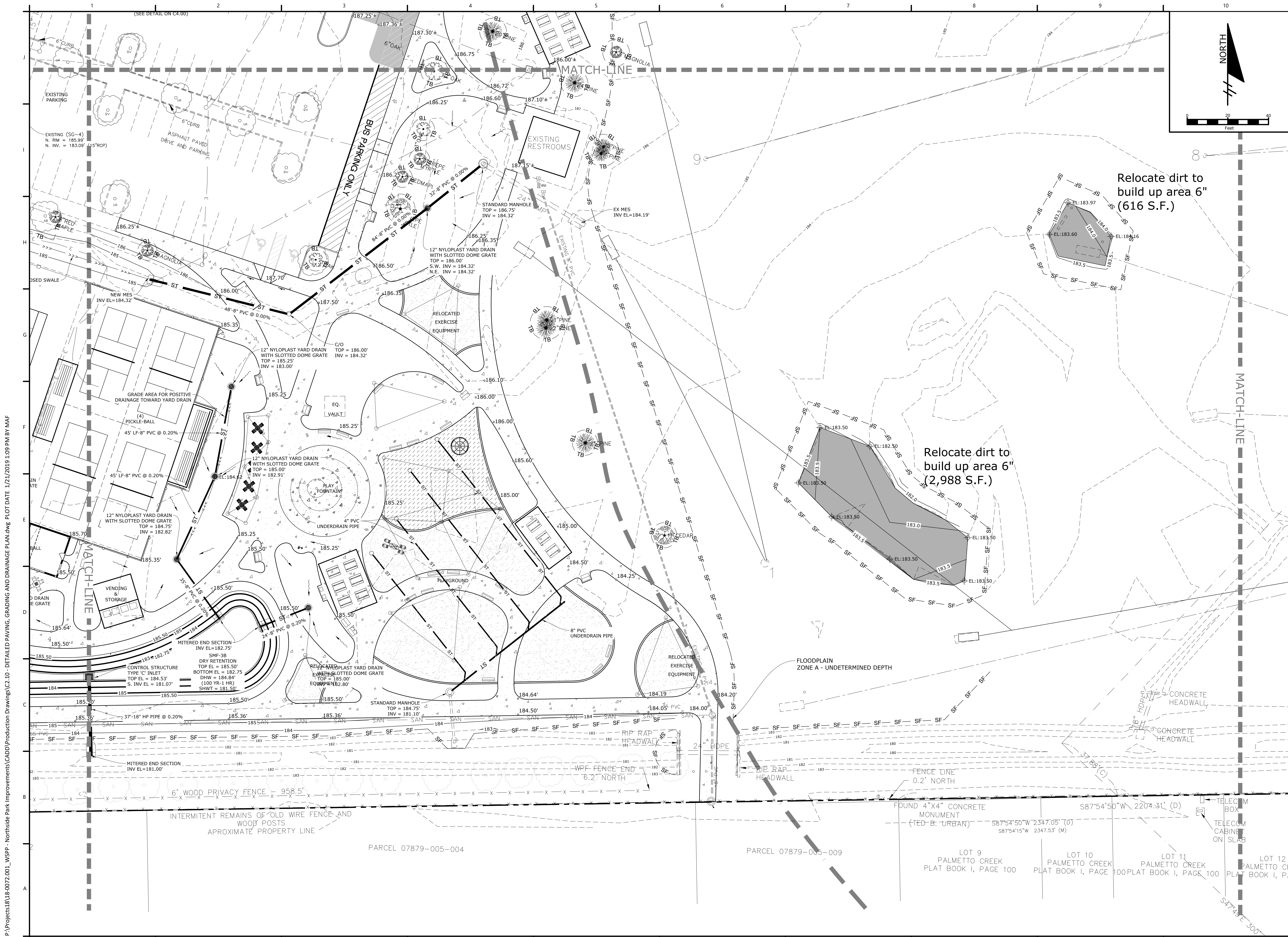
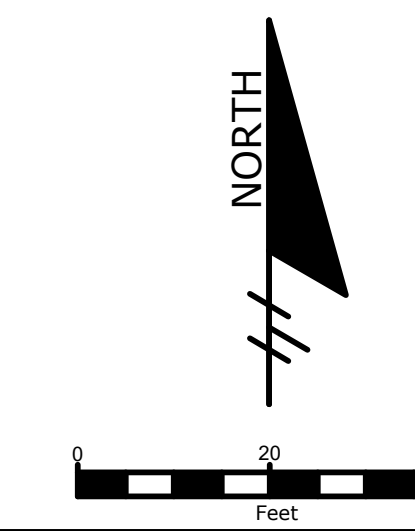
Manley Design, LLC  
Landscape Architecture • Site Planning  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855



SEAL:

DAVID SOWELL, P.E. 68531  
PROJECT NO: 18-0072.001  
CLIENTS NO:  
ISSUED FOR: CLIENT REVIEW & PERMITTING  
ISSUED DATE: JANUARY 2019  
REVISIONS:

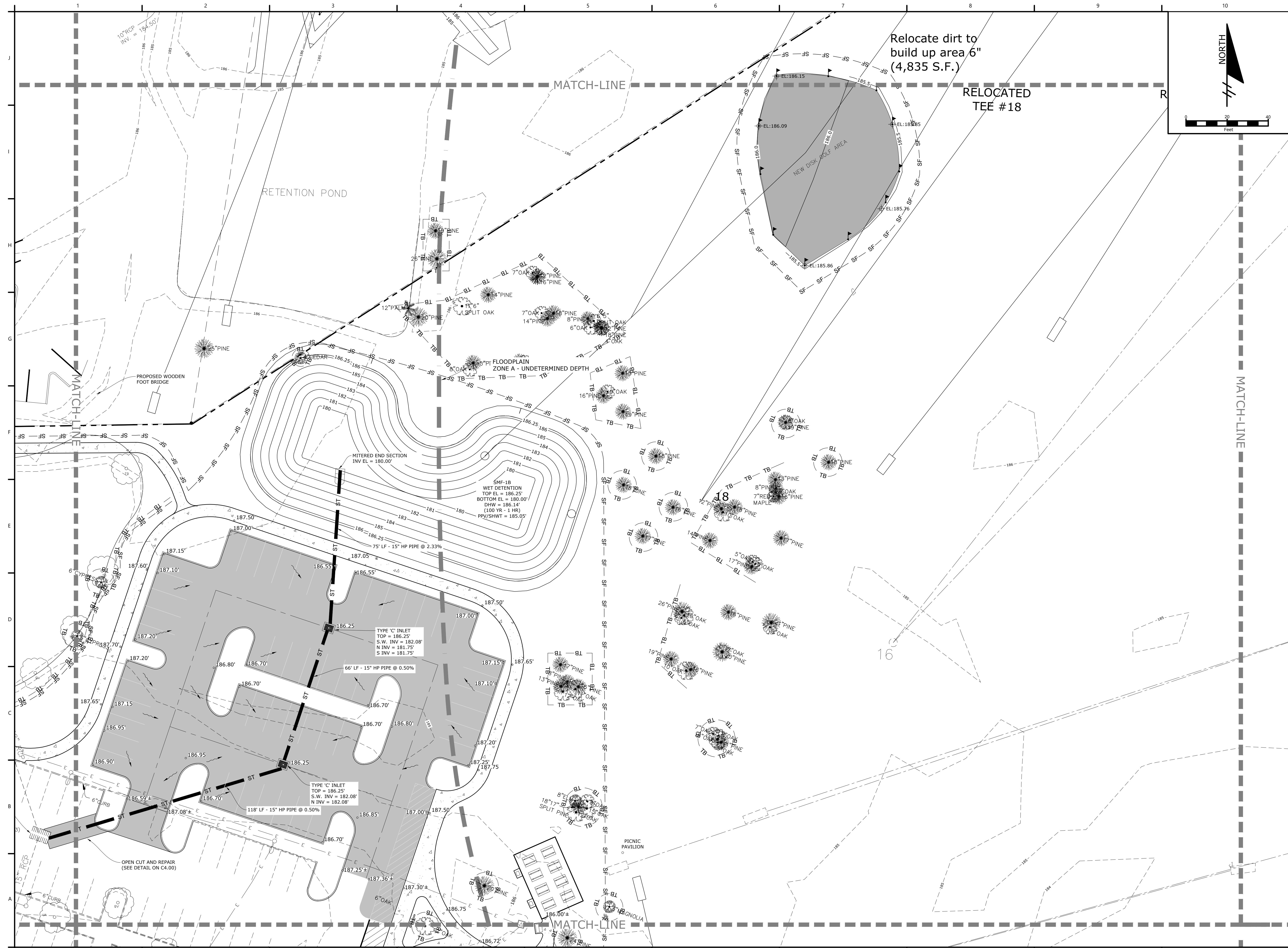
SCALE:  
AS SHOWN

SHEET TITLE:  
**DETAILED PAVING,  
GRADING AND  
DRAINAGE PLAN**

SHEET NUMBER:  
C2.11

P:\Projects\18-0072.001\_WSPP - Northside Park Improvements\CADD(Production Drawings)\C2.10 - DETAILED PAVING, GRADING AND DRAINAGE PLAN.dwg PLOT DATE: 1/21/2019 1:09 PM BY: MAF

P:\Projects\18-0072\001\_WSPP - Northside Park Improvements\CADD\Production Drawings\C2.10 - DETAILED PAVING, GRADING AND DRAINAGE PLAN.dwg PLOT DATE: 1/21/2019 1:09 PM BY: MAF



# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



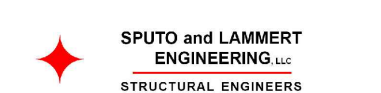
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

## MANLEY DESIGN

Manley Design, LLC  
Landscape Architecture • Site Planning  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SEAL:

DAVID SOWELL, P.E. 68531

PROJECT NO.: 18-0072.001  
CLIENTS NO.:  
ISSUED FOR: CLIENT REVIEW & PERMITTING  
ISSUED DATE: JANUARY 2019  
REVISIONS:

SCALE:  
AS SHOWN

SHEET TITLE:  
DETAILED PAVING,  
GRADING AND  
DRAINAGE PLAN

SHEET NUMBER:  
C2.12



P:\Projects\18-0072.001\_WSPP - Northside Park Improvements\CADD\Production Drawings\C2.10 - Detailed Paving, Grading and Drainage Plan.dwg PLOT DATE: 1/21/2019 1:09 PM BY: MAF

# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

## MANLEY DESIGN

Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SEAL:

DAVID SOWELL, P.E. 68531

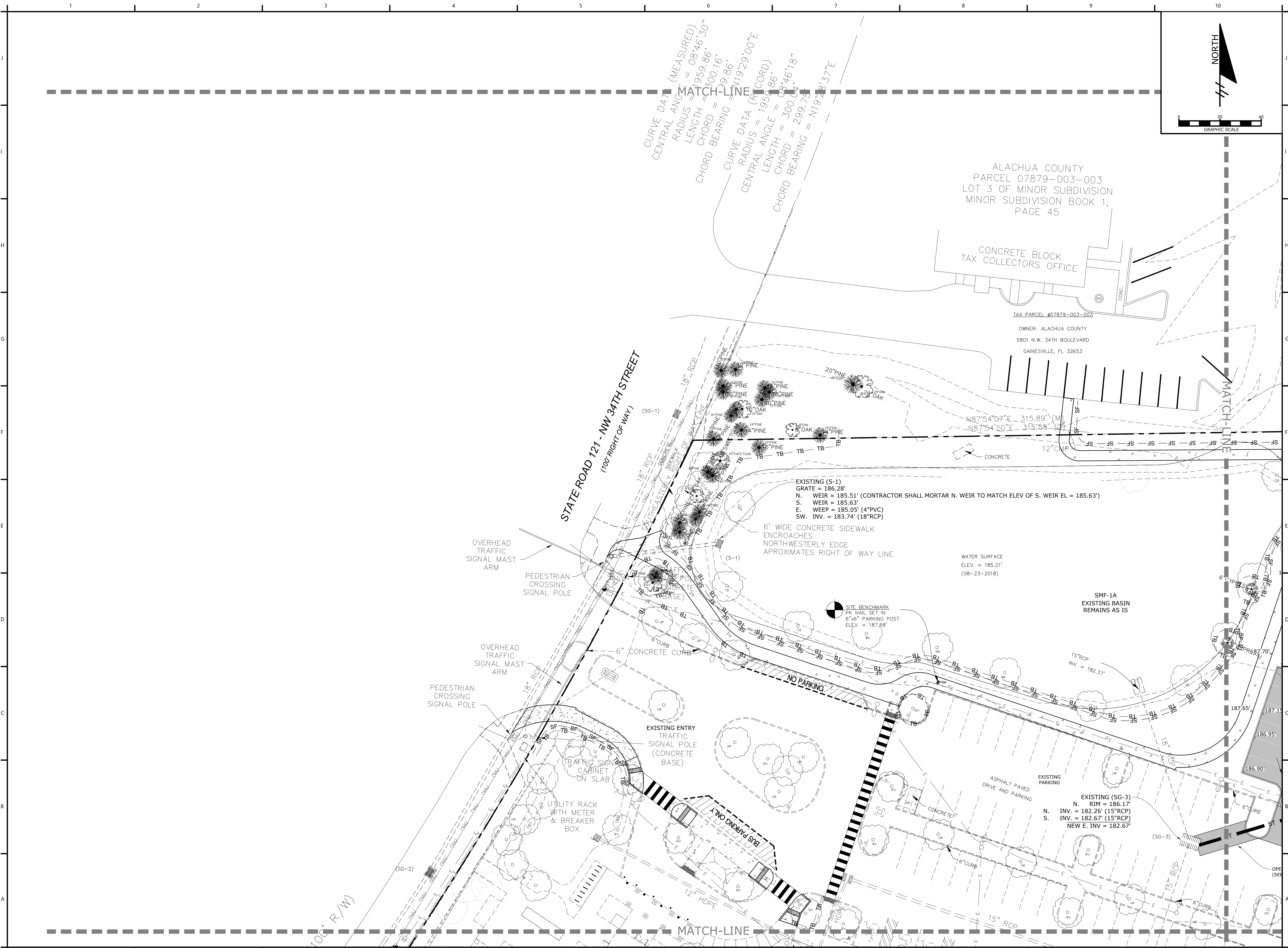
PROJECT NO.: 18-0072.001  
CLIENTS NO.:  
ISSUED FOR: CLIENT REVIEW & PERMITTING  
ISSUED DATE: JANUARY 2019  
REVISIONS:

SCALE:  
AS SHOWN

SHEET TITLE:  
**DETAILED PAVING,  
GRADING AND  
DRAINAGE PLAN**

SHEET NUMBER:

C2.13



CURVE DATA (MEASURED)  
CENTRAL ANGLE = 08°46'30"  
RADIUS = 1959.86'  
LENGTH = 300.16'  
CHORD BEARING = N19°29'00"E

ALACHUA COUNTY  
PARCEL 07879-003-003  
LOT 3 OF MINOR SUBDIVISION  
MINOR SUBDIVISION BOOK 1,  
PAGE 45

CONCRETE BLOCK  
TAX COLLECTORS OFFICE

TAX PARCEL #07879-003-003

OWNER: ALACHUA COUNTY  
5801 N.W. 34TH BOULEVARD  
GAINESVILLE, FL 32653

EXISTING (S-1)  
GRATE = 186.28'  
N. WEIR = 185.51' (CONTRACTOR SHALL MORTAR N. WEIR TO MATCH ELEV OF S. WEIR EL = 185.63')  
S. WEIR = 185.63'  
E. WEIR = 185.05' (4"RCP)  
SW. INV. = 183.74' (18"RCP)

6' WIDE CONCRETE SIDEWALK  
ENCROACHES  
NORTHWESTERLY EDGE  
APPROXIMATES RIGHT OF WAY LINE

WATER SURFACE  
ELEV. = 185.21'  
(08-23-2018)

SITE BENCHMARK  
PK NAIL SET IN  
6"x6" PARKING POST  
ELEV. = 187.68'

SMF-1A  
EXISTING BASIN  
REMAINS AS IS

EXISTING (SG-3)  
N. RIM = 186.17'  
S. INV. = 182.26' (15"RCP)  
NEW E. INV. = 182.67'  
NEW E. INV. = 182.67'

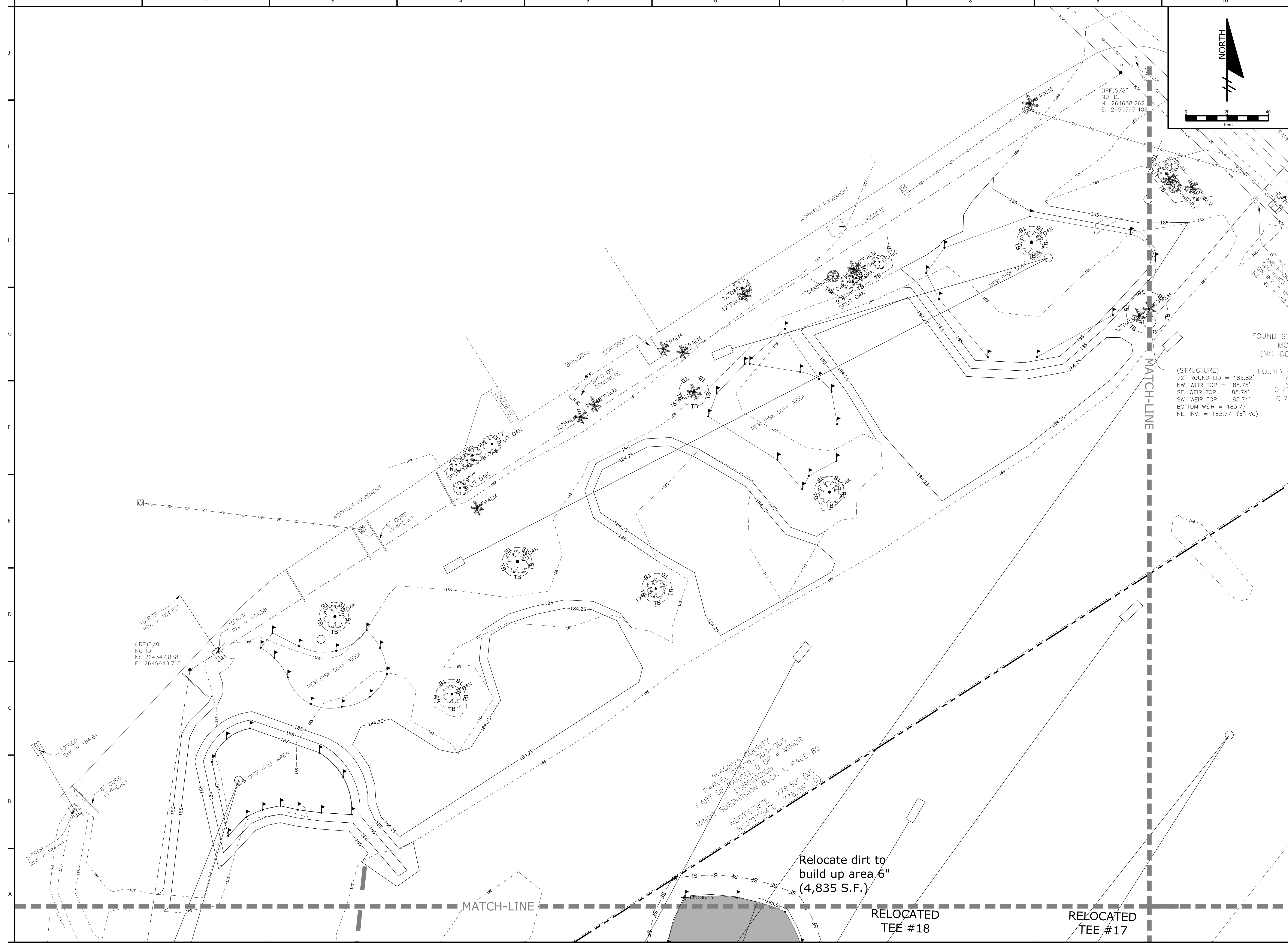
STATE ROAD 121 - NW 34TH STREET  
(100' RIGHT OF WAY)

MATCH-LINE



GRAPHIC SCALE  
0 20 40 60

P:\Projects\18-0072.001\_WSPP - Northside Park Improvements\CADD\Production Drawings\C2.10 - DETAILED PAVING, GRADING AND DRAINAGE PLAN.dwg PLOT DATE: 1/21/2019 1:09 PM BY: MAF



# NORTHSIDE PARK IMPROVEMENTS

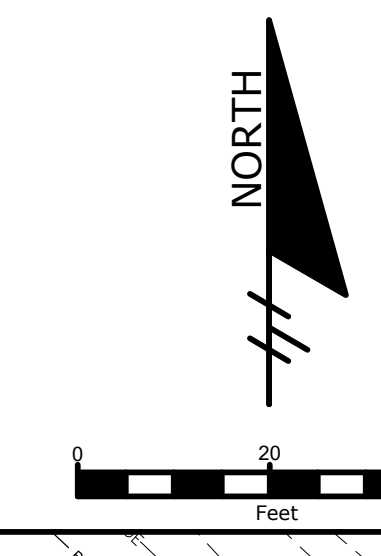
City of Gainesville  
WSPP

**DRMP**  
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

**MANLEY DESIGN**  
Landscape Architecture • Site Planning  
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575

**HDC**  
Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946

**Sputo and Lammert Engineering, LLC**  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855



(STRUCTURE)  
72" ROUND LID = 185.82'  
NW. WEIR TOP = 185.75'  
SE. WEIR TOP = 185.74'  
SW. WEIR TOP = 185.74'  
BOTTOM WEIR = 183.77'  
NE. INV. = 183.77' (6"PVC)

ALACHUA COUNTY  
PARCEL 07879-003-005  
PART OF PARCEL 18 OF A MINOR  
SUBDIVISION  
MINOR SUBDIVISION BOOK 1, PAGE 80  
N56°06'55"E 778.88' (M)  
N56°07'54"E 778.96' (D)

Relocate dirt to  
build up area 6"  
(4,835 S.F.)

RELOCATED  
TEE #18

RELOCATED  
TEE #17

SEAL:

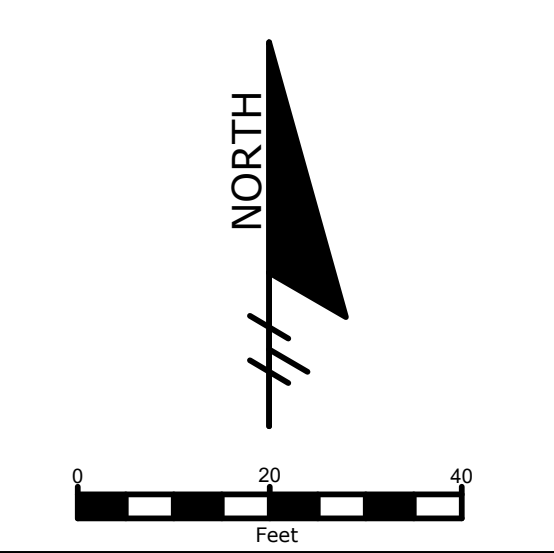
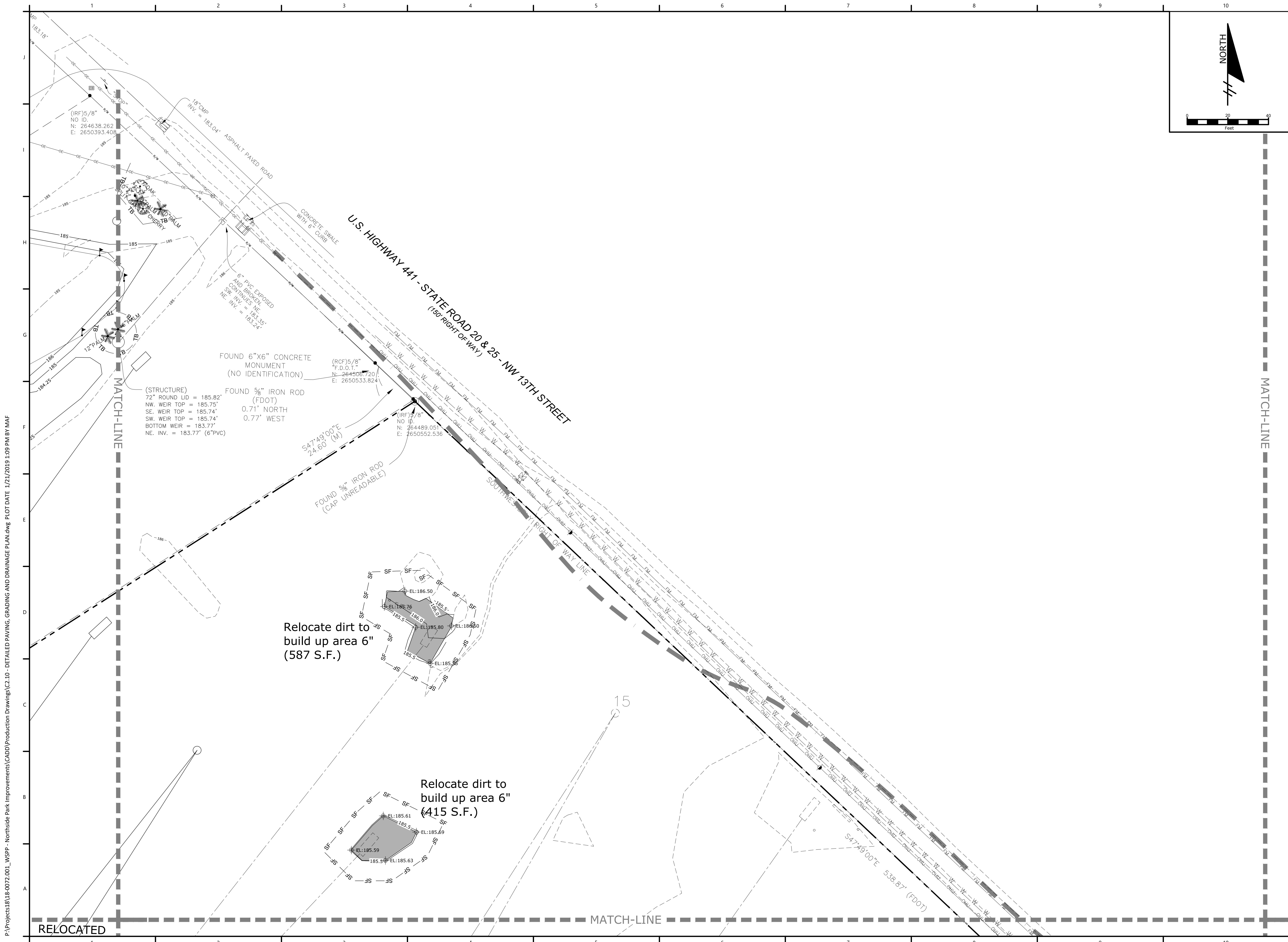
DAVID SOWELL, P.E. 68531

PROJECT NO: 18-0072.001  
CLIENTS NO:  
ISSUED FOR: CLIENT REVIEW & PERMITTING  
ISSUED DATE: JANUARY 2019  
REVISIONS:

SCALE:  
AS SHOWN

SHEET TITLE:  
DETAILED PAVING,  
GRADING AND  
DRAINAGE PLAN

SHEET NUMBER:  
C2.14



# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP

**DRMP**  
DESIGNER • ENGINEER • PLANNER • CONSULTANT  
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

**MANLEY DESIGN**  
Landscape Architecture • Site Planning  
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575

**HDC** HUNTER DESIGN & CONSULTING  
Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946

**SPUTO and LAMMERT ENGINEERING**  
Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SEAL:

DAVID SOWELL, P.E. 68531

PROJECT NO: 18-0072.001  
CLIENTS NO:  
ISSUED FOR: **CLIENT REVIEW & PERMITTING**  
ISSUED DATE: JANUARY 2019  
REVISIONS:

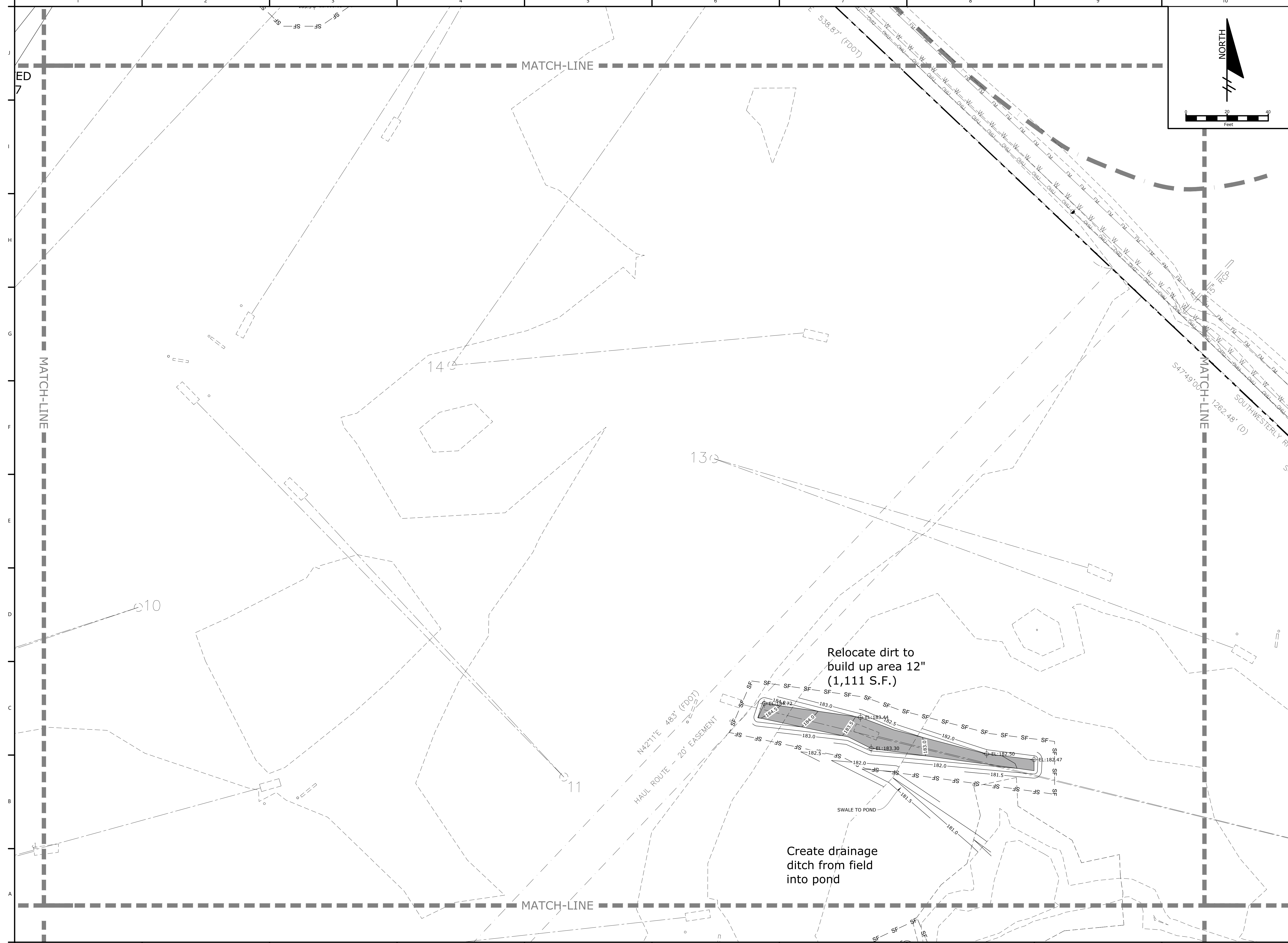
SCALE:  
**AS SHOWN**

SHEET TITLE:  
**DETAILED PAVING GRADING AND DRAINAGE PLAN**

SHEET NUMBER:  
**C2.15**

P:\Projects\18-0072.001\_WSPP - Northside Park Improvements\CADD\Production Drawings\C2.10 - DETAILED PAVING, GRADING AND DRAINAGE PLAN.dwg PLOT DATE: 1/21/2019 1:09 PM BY: MAF

P:\Projects\18-0072.001\_WSPP - Northside Park Improvements\CADD\Production Drawings\C2.10 - DETAILED PAVING, GRADING AND DRAINAGE PLAN.dwg PLOT DATE: 1/21/2019 1:09 PM BY:MAF



# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



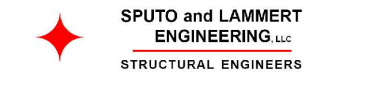
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648



Manley Design, LLC  
Landscape Architecture • Site Planning  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-379-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SEAL:

DAVID SOWELL, P.E. 68531

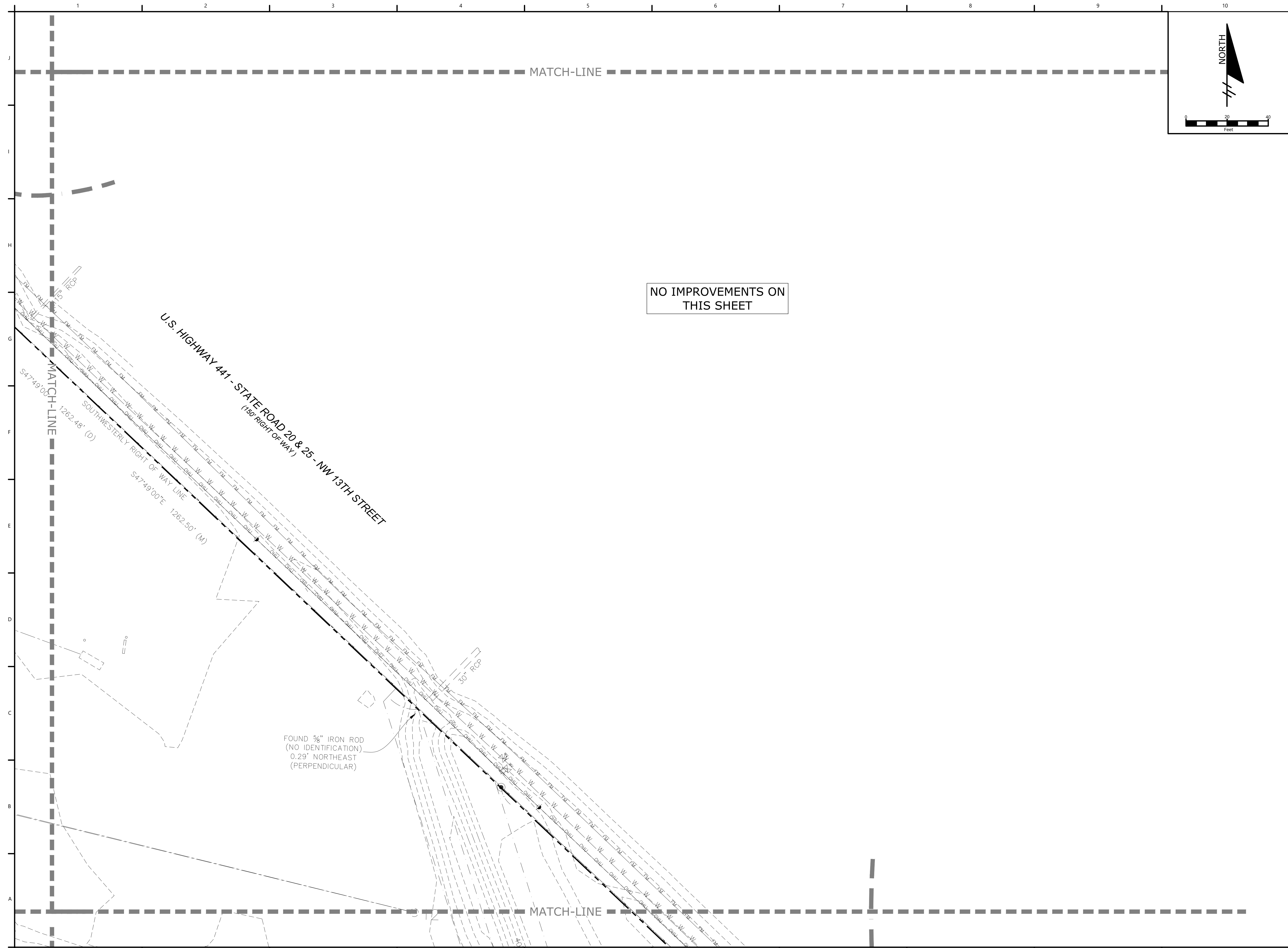
PROJECT NO: 18-0072.001  
CLIENTS NO:  
ISSUED FOR: CLIENT REVIEW & PERMITTING  
ISSUED DATE: JANUARY 2019  
REVISIONS:

SCALE:  
AS SHOWN

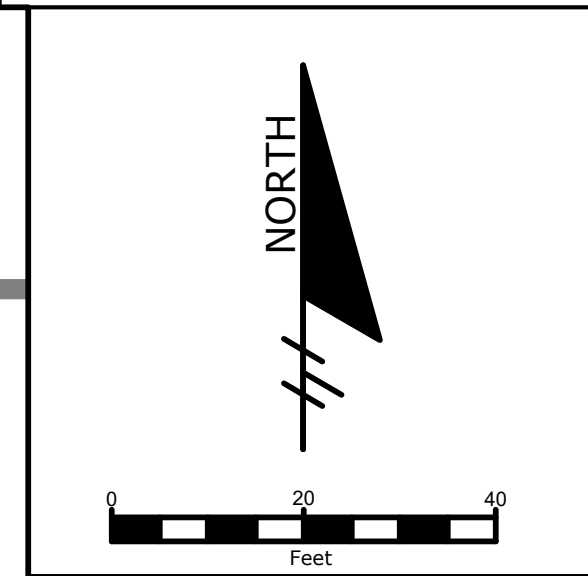
SHEET TITLE:  
**DETAILED PAVING  
GRADING AND  
DRAINAGE PLAN**

SHEET NUMBER:  
**C2.16**

P:\Projects\18-0072.001\_WSPP - Northside Park Improvements\CADD\Production Drawings\C2.10 - DETAILED PAVING, GRADING AND DRAINAGE PLAN.dwg PLOT DATE: 1/21/2019 1:10 PM BY: MAF



NO IMPROVEMENTS ON THIS SHEET



# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP

**DRMP**  
DESIGNER • ENGINEER • PLANNER • CONSULTANT  
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

**MANLEY DESIGN**  
Landscape Architecture • Site Planning  
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575

**HDC** HUNTER DESIGN & CONSULTING  
Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946

**SPUTO and LAMMERT ENGINEERING**  
SPUTO and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SEAL:

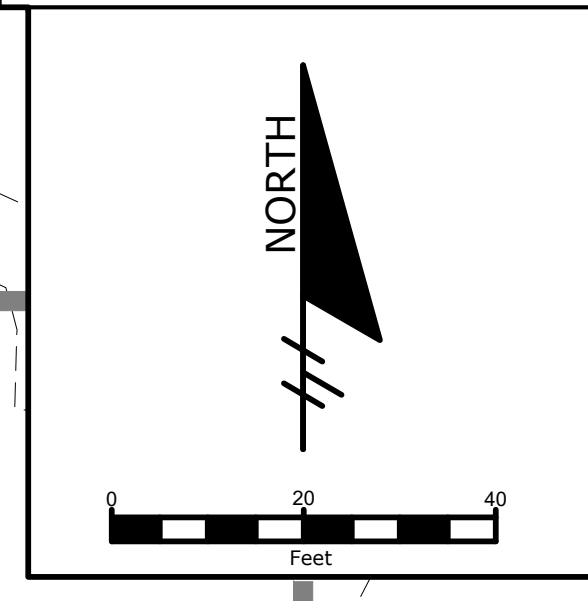
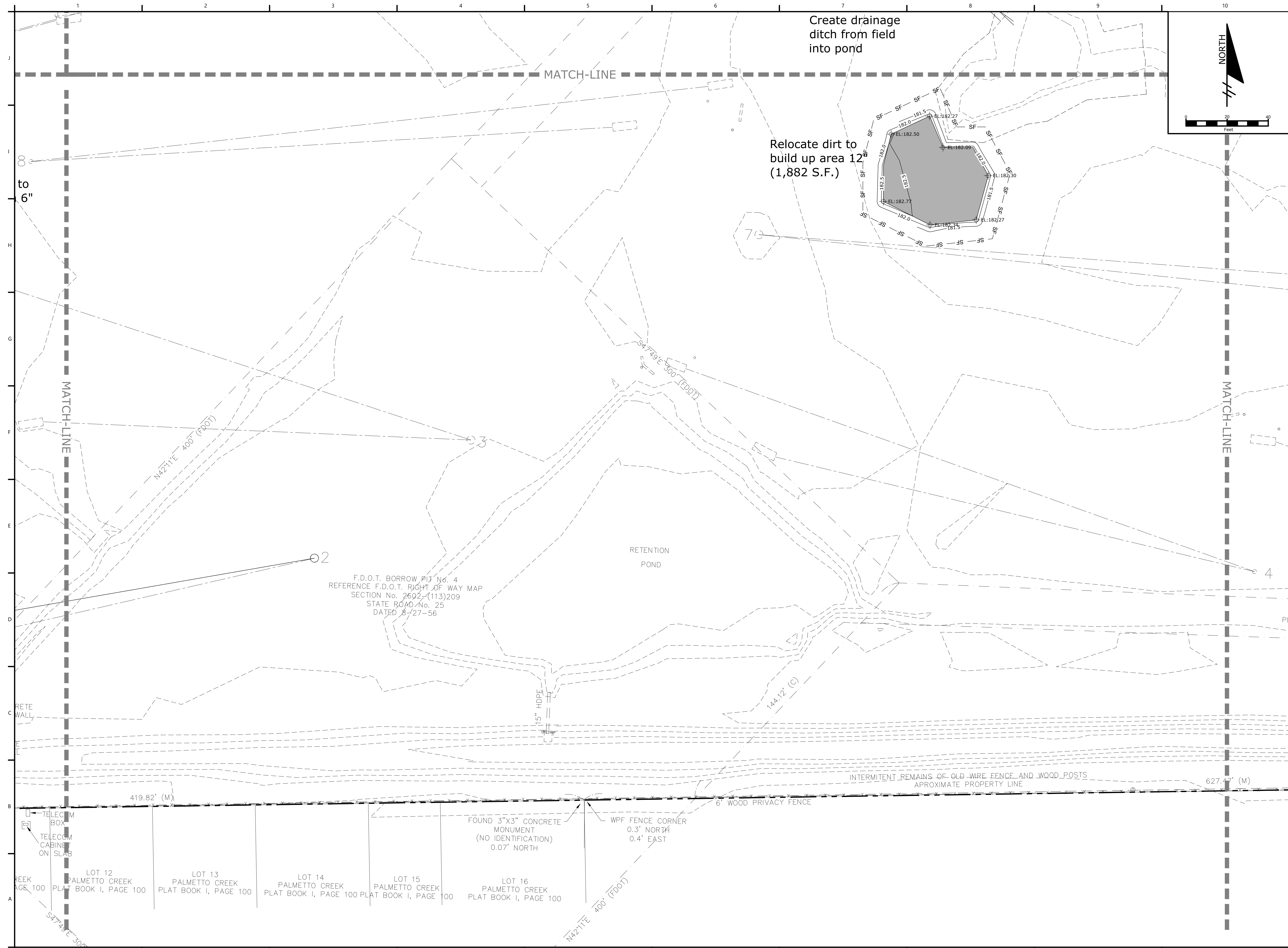
DAVID SOWELL, P.E. 68531  
PROJECT NO: 18-0072.001  
CLIENTS NO:  
ISSUED FOR: **CLIENT REVIEW & PERMITTING**  
ISSUED DATE: JANUARY 2019  
REVISIONS:

SCALE:  
AS SHOWN

SHEET TITLE:  
**DETAILED PAVING  
GRADING AND  
DRAINAGE PLAN**

SHEET NUMBER:  
**C2.17**

P:\Projects\18-0072.001\_WSPP - Northside Park Improvements\CADD\Production Drawings\C2.10 - DETAILED PAVING, GRADING AND DRAINAGE PLAN.dwg PLOT DATE: 1/21/2019 1:10 PM BY: MAF



# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville WSPP

**DRMP**  
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

**MANLEY DESIGN**  
Landscape Architecture • Site Planning  
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575

**HDC** HUNTER DESIGN & CONSULTING  
Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946

**SPUTO and LAMMERT ENGINEERING**  
Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SEAL:

DAVID SOWELL, P.E. 68531

PROJECT NO: 18-0072.001  
CLIENTS NO:  
ISSUED FOR: **CLIENT REVIEW & PERMITTING**  
ISSUED DATE: JANUARY 2019  
REVISIONS:

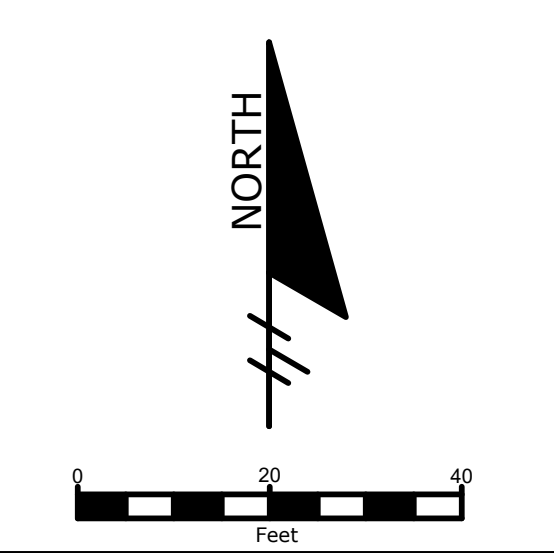
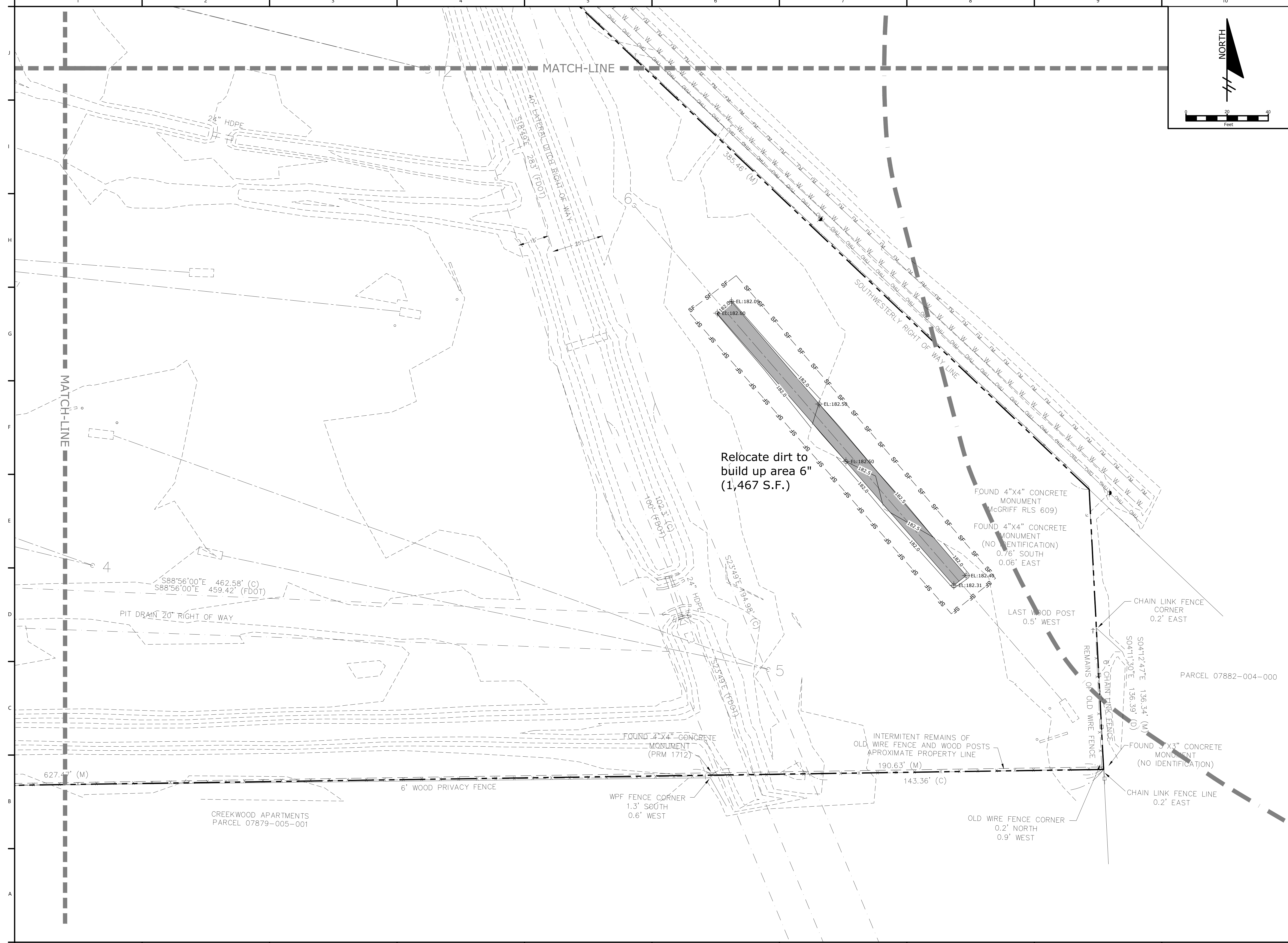
SCALE:  
**AS SHOWN**

SHEET TITLE:  
**DETAILED PAVING GRADING AND DRAINAGE PLAN**

SHEET NUMBER:

**C2.18**

P:\Projects\18-0072\001\_WSPP - Northside Park Improvements\CADD\Production Drawings\C2.10 - DETAILED PAVING, GRADING AND DRAINAGE PLAN.dwg PLOT DATE: 1/21/2019 1:10 PM BY: MAF



# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP

**DRMP**  
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

**MANLEY DESIGN**  
Landscape Architecture • Site Planning  
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575

**HDC** HUNTER DESIGN & CONSULTING  
Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946

**SPUTO and LAMMERT ENGINEERING**  
Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SEAL:

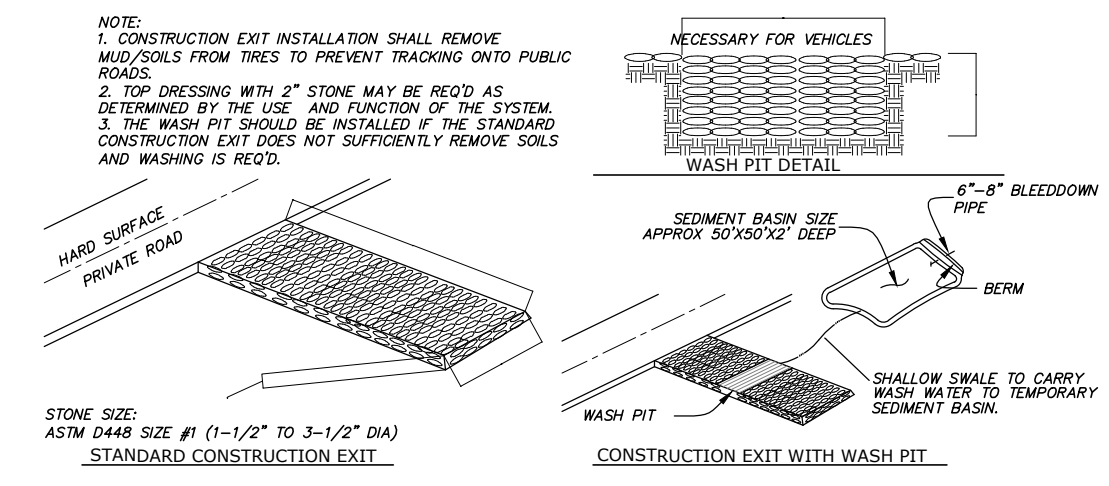
DAVID SOWELL, P.E. 68531  
PROJECT NO: 18-0072.001  
CLIENTS NO:  
ISSUED FOR: **CLIENT REVIEW & PERMITTING**  
ISSUED DATE: JANUARY 2019  
REVISIONS:  
SCALE:  
**AS SHOWN**

SHEET TITLE:  
**DETAILED PAVING GRADING AND DRAINAGE PLAN**

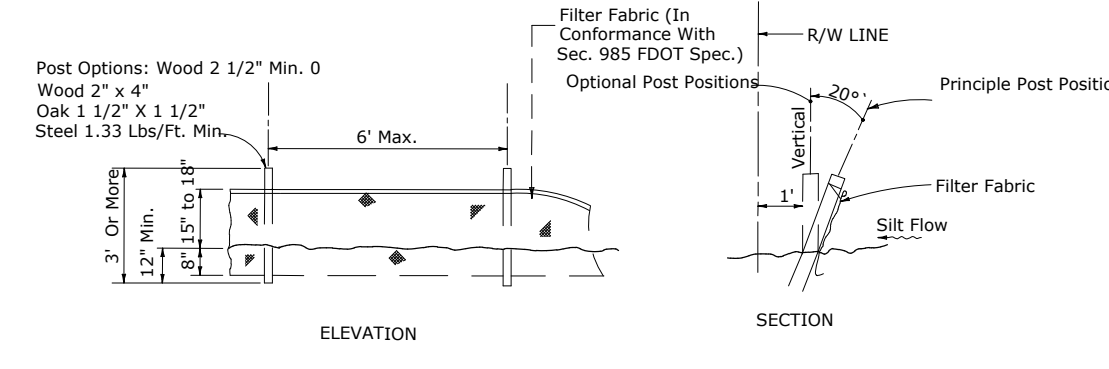
SHEET NUMBER:  
**C2.19**

**GENERAL NOTES**

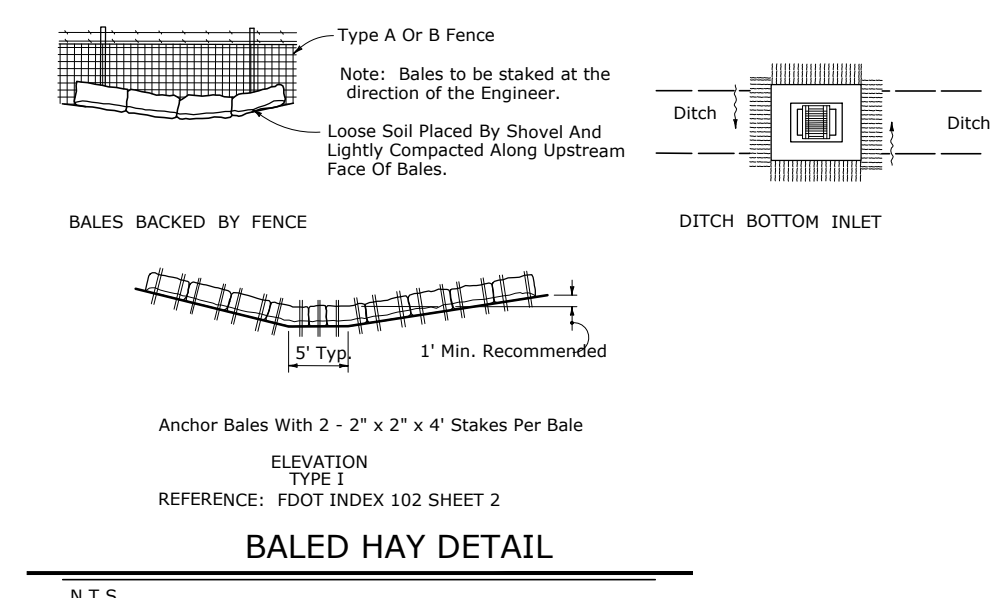
1. THE STORMWATER SYSTEM SHALL BE CONSTRUCTED FIRST. THE CONTRACTOR IS REQUIRED TO FOLLOW THE EROSION CONTROL PLAN FROM BEFORE CONSTRUCTION BEGINS UNTIL AS-BUILTS HAVE BEEN SUBMITTED. IF THE DESIGNED EROSION AND SEDIMENT CONTROL PLAN DOES NOT WORK OR BECOMES INEFFECTIVE, THE CONTRACTOR SHALL USE THE FDOT EROSION & SEDIMENT CONTROL DESIGNER & REVIEWER MANUAL (LATEST EDITION) TO IMPLEMENT CHANGES THAT WILL WORK.
  2. CONTRACTOR IS REQUIRED TO PREVENT ANY SEDIMENT TRANSPORT FROM THE PROJECT SITE ONTO ADJACENT PROPERTY. INSTALLATION OF EITHER BALED HAY OR FABRIC FENCE TYPE SILT BARRIER IS ACCEPTABLE. THE BARRIER MUST REMAIN IN PLACE UNTIL UPLAND VEGETATION IS ESTABLISHED.
  3. BEFORE REMOVING SILT BARRIER, CONTRACTOR SHALL COLLECT AND DISPOSE OF ANY ACCUMULATED SILT.
- ENVIRONMENTAL NOTES:**
1. CONSTRUCTION EQUIPMENT SHALL NOT BE OPERATED IN WETLAND OR NATIVE VEGETATION AREAS UNLESS SUCH CONSTRUCTION PRACTICES ARE APPROVED IN A PLAN OF OPERATION SUBMITTED IN ACCORDANCE WITH APPLICABLE PLAN DETAIL AND SPECIFICATION SECTIONS.
  2. BEFORE COMMENCING CONSTRUCTION ACROSS OR ADJACENT TO WETLANDS JURISDICTIONAL AREAS, SILT BARRIERS SHALL BE INSTALLED AS SHOWN ON THE PLANS. SILT FENCING SHALL BE CONSIDERED AS THE LIMITS OF CONSTRUCTION WITHIN OR ADJACENT TO JURISDICTIONAL AREAS. WETLAND JURISDICTIONAL AREAS SHOWN ON THE PLANS WHICH ARE ADJACENT TO THE WORK AND NOT PROTECTED BY SILT FENCING SHALL BE CLEARLY DELINEATED ON THE SITE AND ENDURE THROUGHOUT CONSTRUCTION AND BE DISCERNABLE TO CONSTRUCTION PERSONNEL.
  3. STAKED OR FLOATING SILT SCREENS OR HAY BALES SHALL BE UTILIZED AS SILT BARRIERS AND PLACED IN LOCATIONS SHOWN ON THE PLANS AND AT OTHER LOCATIONS AS REQUIRED TO KEEP SEDIMENT FROM REACHING WATER BODIES OR WETLAND AREAS. THESE BARRIERS SHALL BE INSTALLED BEFORE COMMENCING WITH ANY CONSTRUCTION WITHIN OR ADJACENT TO JURISDICTIONAL AREAS. THE CONTRACTOR SHALL MONITOR AND MAINTAIN ALL SILT BARRIERS AND FENCING INCLUDING DAILY INSPECTIONS TO CHECK THEIR INTEGRITY. ANY LOOSE OR DAMAGED SILT BARRIERS AND FENCING SHALL BE IMMEDIATELY REPAIRED OR REPLACED AS NECESSARY. ONCE CONSTRUCTION IS COMPLETED AND FINISHED GRADING AND STABILIZATION OF ALL SIDE SLOPES HAS BEEN ACHIEVED, SILT BARRIERS AND FENCING SHALL BE COMPLETELY REMOVED TO THE SATISFACTION OF THE ENGINEER AND BEFORE FINAL ACCEPTANCE.
  4. ALL WATER COLLECTED AND PUMPED DURING TRENCH DEWATERING ACTIVITIES SHALL BE DISPOSED OF IN UPLAND AREAS INTO DOUBLE STAKED SYNTHETIC BALES. DISCHARGE LOCATIONS SHALL BE A MINIMUM OF 75 FEET FROM THE NEAREST WATER BODY OR WETLAND AREA TO ALLOW FOR MAXIMUM OVERLAND FILTRATION OF SOIL PARTICLES. ANY DEWATERING DISCHARGES SHALL MEET STATE WATER QUALITY STANDARDS. EXCAVATION ACROSS ALL WETLANDS SHALL BE ACCOMPLISHED BY STRIPPING THE TOP 10 INCHES OF SURFICIAL SOILS FROM THE FULL WIDTH OF THE AREA TO BE DISTURBED. SURFICIAL SOILS SHALL BE REPLACED LAST AND SHALL BE SPREAD ACROSS THE ENTIRE DISTURBED WETLAND AREA TO HELP PROMOTE NATIVE VEGETABLE GROWTH. SURFICIAL SOILS SHALL NOT BE STOCKPILED IN EXCESS OF TWO WEEKS. FURTHER, ALL ASPECTS OF BACKFILLING, GRADING AND MULCHING SHALL BE COMPLETE WITHIN 30 DAYS OF INITIAL WETLAND IMPACT FOR EACH JURISDICTIONAL AREA.
  5. TEMPORARY STOCKPILES SHALL NOT BE LOCATED ADJACENT TO WETLANDS ADDITIONALLY, SILT BARRIERS AND FENCING SHALL CONTINUOUSLY AND FULLY ENCIRCLE ALL STOCKPILES WHICH WILL REMAIN FOR LONGER THAN 24 HOURS TO CONTAIN MATERIALS WITHIN A REASONABLY CONFINED AREA.
  6. BANKS SHALL BE PROTECTED FROM EROSION OR COLLAPSE DURING CONSTRUCTION. BANK PROTECTION MATERIAL SHALL BE CAREFULLY PLACED FROM THE BANK AND NOT DUMPED FROM ABOVE IN AN UNCONTROLLED MANNER. SANDBAGS SHALL BE USED FOR PROTECTING THE BANKS. UPON COMPLETION OF CONSTRUCTION, BANKS AND WATERWAYS SHALL BE RESTORED TO THEIR PRE-CONSTRUCTION CONFIGURATION AND PROTECTED FROM EROSION.
  7. ALL DUST SHALL BE CONTROLLED ON SITE. ONLY AREAS SCHEDULED FOR IMMEDIATE CONSTRUCTION SHALL BE CLEARED OR STRIPPED OR PAVEMENT OR VEGETATION. WATERING, APPLICATION OF CALCIUM CHLORIDE OR OTHER PRIOR APPROVED MEANS OF DUST CONTROL SHALL BE EMPLOYED TO PREVENT THE EMANATION OF DUST FROM THE SITE. PERMANENT PAVEMENT, GRASSING, LANDSCAPING AND OTHER SITE WORK SHALL BE INCORPORATED AS SOON AS POSSIBLE.
  8. THE CONTRACTOR SHALL NOT REMOVE ANY TREES WITHOUT COORDINATING SUCH REMOVAL WITH THE ENGINEER. IF ANY TREES ARE REMOVED IN WETLAND JURISDICTIONAL, OR NATIVE VEGETATION AREAS WITHOUT PROPER AUTHORIZATION, CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING A DETAILED RESTORATION AND/OR MITIGATION PLAN, SUBMITTING PLAN TO AND OBTAINING APPROVAL FROM FDP, WATER MANAGEMENT DISTRICT, COUNTY, OWNER AND ENGINEER, AND COMPLETING ANY MONITORING AND MAINTENANCE REQUIREMENTS IMPOSED AS A RESULT OF TREE REMOVAL.
  9. CONTRACTOR IS RESPONSIBLE FOR COORDINATING VEGETATION REMOVAL PERMITS WITH FDP, WATER MANAGEMENT DISTRICT, CITY, OWNER AND ENGINEER BEFORE CONSTRUCTION.
  10. SELECTIVE CLEARING AND GRUBBING INCLUDES REMOVAL OF VEGETATION AND PAVEMENT ONLY WHEN REQUIRED FOR INSTALLATION OF NEW UTILITIES OR TO ACCOMMODATE SUBSTANTIAL GRADE CHANGES.
  11. UPON COMPLETION OF ROUGH GRADING OF THE DRAINAGE DETENTION AREA, ALL BACKSLOPES SHALL BE IMMEDIATELY STABILIZED WITH SOD TO PREVENT SILTATION INTO THE WETLANDS FROM THE OUTSIDE SLOPES.



**CONSTRUCTION EXIT, TEMPORARY**  
N.T.S.

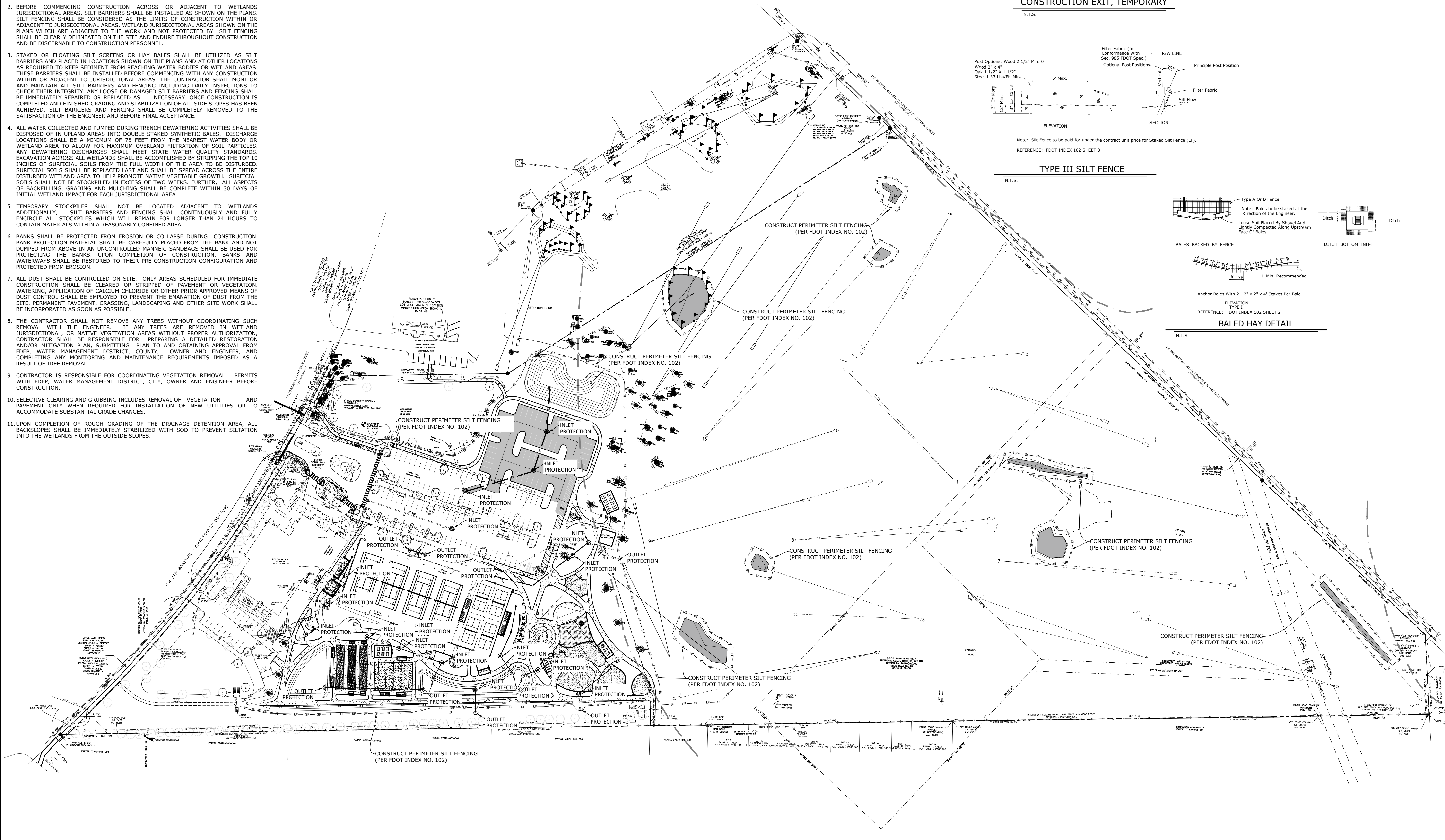


**TYPE III SILT FENCE**  
N.T.S.



**BALED HAY DETAIL**  
N.T.S.

P:\Projects\18-0072.001\_WSPP - Northside Park Improvements\CADD\Production Drawings\C2.20 - STORMWATER POLLUTION PREVENTION PLAN.dwg PLOT DATE 1/21/2019 1:10 PM BY MAF



**NORTHSIDE PARK IMPROVEMENTS**

City of Gainesville  
WSPP

**DRMP**  
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

**MANLEY DESIGN**  
Landscape Architecture • Site Planning  
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575

**HDC** HUNTER DESIGN & CONSULTING  
Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946

**SPUTO AND LAMMERT ENGINEERING**  
Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

DAVID SOWELL, P.E. 68531  
PROJECT NO: 18-0072.001  
CLIENTS NO:  
ISSUED FOR: CLIENT REVIEW & PERMITTING  
ISSUED DATE: JANUARY 2019  
REVISIONS:

SCALE:  
AS SHOWN

SHEET TITLE:  
**STORMWATER POLLUTION PREVENTION PLAN**

SHEET NUMBER:  
C2.20



# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of authorization no. 2648

## MANLEY DESIGN

Landscape Architecture • Site Planning  
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

DAVID SOWELL, P.E. 68531

PROJECT NO: 18-0072.001  
CLIENTS NO.:  
ISSUED FOR: CLIENT REVIEW & PERMITTING  
ISSUED DATE: JANUARY 2019  
REVISIONS:

SCALE:  
AS SHOWN

## STORMWATER POLLUTION PREVENTION PLAN NOTES

SHEET NUMBER:

C2.21

### INTRODUCTION

THIS DOCUMENT WAS PREPARED IN ORDER TO BE IN COMPLIANCE WITH CHAPTER 62-621.300(4) OF THE FLORIDA ADMINISTRATIVE CODE, WHICH PERTAINS TO THE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES. THE ADMINISTRATIVE CODE GRANTS THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) THE AUTHORITY TO REGULATE POINT SOURCE DISCHARGES OF STORMWATER FROM CONSTRUCTION SITES. THIS DOCUMENT ESTABLISHES A STORMWATER POLLUTION PREVENTION PLAN FOR THE SITE AND IS ORGANIZED TO CORRESPOND TO PART V OF DEP DOCUMENT NO. 62-621.300(4)(A) FDEP FORM 62-261.300 (4)(B) IS TO BE SUBMITTED IN CONJUNCTION WITH THIS DOCUMENT.

### SITE DESCRIPTION

COUNTY: ALACHUA COUNTY  
SECTION / TOWNSHIP / RANGE: 18 / 09 / 20  
COUNTY PARCEL NO.: 07879-003-004 (31.5 ACRES)  
LATITUDE & LONGITUDE: LAT: N 29° 42' 27.15" LONG: W 82° 21' 17.10" (REC CENTER)  
STREET ADDRESS: 5701 NW 34TH BOULEVARD, GAINESVILLE, FL 32653  
PROJECT AREA: 182,000 SF (4.18 ACS)  
SITE LOCATION MAP: SEE COVER SHEET

SITE DEVELOPMENT DATA INFORMATION:	ACRES	SQUARE FEET	PERCENT OF TOTAL
PROJECT AREA	4.18	182,000	100.0%
NEW RACQUETBALL AREA	0.04	1,722	0.9%
NEW TENNIS/PICKLEBALL AREA	0.18	7,670	4.2%
NEW SIDEWALK AREA	1.12	48,946	26.9%
NEW PARKING AREA	0.45	19,408	10.7%
NEW STORMWATER AREA (SMF-1 AND 3)	0.50	21,777	12.0%
OPEN SPACE/PLAYGROUND/BOCCE/ PETANQUE/EXISTING COURTS AREA	1.90	82,477	45.3%

THE EXISTING NORTHERN SMF SERVING THE MAIN PARKING IS BEING EXPANDED TO ACCOMMODATE THE NEW PARKING LOT AND THE CONTROL STRUCTURE IS BEING SLIGHTLY MODIFIED TO PROVIDE ADDITIONAL STORAGE. THE EXISTING SOUTHERN SMF SERVING THE SENIOR CENTER IS NOT BEING ALTERED. A NEW DRY RETENTION, SPLIT SMF ADJACENT TO THE PETANQUE AND BOCCE COURTS IS PROPOSED.

### SEQUENCE OF MAJOR ACTIVITIES:

- THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS:
- INSTALL STABILIZED CONSTRUCTION ENTRANCE
  - INSTALL SILT FENCES AND HAY BALES AS REQUIRED
  - CLEAR AND GRUB FOR DIVERSION SWALES/DIKES AND SEDIMENT BASIN
  - CONSTRUCT SEDIMENTATION BASIN
  - CONTINUE CLEARING AND GRUBBING
  - STOCK PILE TOP SOIL IF REQUIRED
  - PERFORM PRELIMINARY GRADING ON SITE AS REQUIRED
  - STABILIZE DENUDED AREAS AND STOCKPILES AS SOON AS PRACTICABLE
  - COMPLETE GRADING AND INSTALL PERMANENT SEEDING/SOD AND PLANTING
  - REMOVE ACCUMULATED SEDIMENT FROM BASINS
  - WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE STABILIZED, REMOVE ANY TEMPORARY DIVERSION SWALES/DIKES AND RESEED/SOD AS REQUIRED.

### TIMING OF CONTROLS

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, THE SILT FENCES AND HAY BALES, STABILIZED CONSTRUCTION ENTRANCE AND SEDIMENT BASIN WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY IN AN AREA, THAT AREA WILL BE STABILIZED PERMANENTLY IN ACCORDANCE WITH THE PLANS. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE SEDIMENT TRAPS AND THE EARTH DIKES/SWALES WILL BE REGRADED/REMOVED AND STABILIZED IN ACCORDANCE WITH THE SEDIMENT AND EROSION CONTROL PLAN.

### CONTROLS

THIS PLAN UTILIZES BEST MANAGEMENT PRACTICES TO CONTROL EROSION AND TURBIDITY CAUSED BY STORM WATER RUN OFF. DRAWING SWPP-1 HAS BEEN PREPARED TO INSTRUCT THE CONTRACTOR ON PLACEMENT OF THESE CONTROLS. IT IS THE CONTRACTORS RESPONSIBILITY TO INSTALL AND MAINTAIN THE CONTROLS AS PER PLAN AS WELL AS ENSURING THE PLAN IS PROVIDING THE PROPER PROTECTION AS REQUIRED BY FEDERAL, STATE AND LOCAL LAWS. REFER TO "CONTRACTORS REQUIREMENTS" FOR A VERBAL DESCRIPTION OF THE CONTROLS THAT MAY BE IMPLEMENTED.

AS OUTLINED IN THE SJRWMD PERMIT, ALL CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED IN A MANNER AS TO NOT VIOLATE STATE WATER QUALITY STANDARDS. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES REQUIRED TO RETAIN SEDIMENT ONSITE. IF SITE CONDITIONS ARE SUCH THAT ADDITIONAL CONTROL MEASURES ARE REQUIRED OTHER THAN WHAT IS SPECIFIED IN THE EROSION AND SEDIMENTATION CONTROL PLAN, THEN THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL BEST MANAGEMENT PRACTICES.

STORMWATER CONTROLS  
STORM WATER DRAINAGE WILL BE PROVIDED BY SHEET FLOW, SWALES AND DRY DETENTION BASINS FOR THE DEVELOPED AREAS, AREAS WHICH ARE NOT DEVELOPED BUT WILL BE REGRADED SHALL BE STABILIZED IMMEDIATELY AFTER GRADING IS COMPLETE. WHERE PRACTICAL, THE TEMPORARY SEDIMENT BASIN WILL BE IN THE LOCATION OF THE PERMANENT RETENTION BASIN. WHEN UPLSLOPE AREAS ARE STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM SEDIMENT BASIN, AND THE AREAS ON THE SIDE OF THE BASIN WILL BE SEEDED AND MULCHED.

IT IS THE CONTRACTORS RESPONSIBILITY TO IMPLEMENT THE EROSION AND TURBIDITY CONTROLS AS SHOWN OF THE SEDIMENT AND EROSION CONTROL PLAN. IT IS ALSO THE CONTRACTORS RESPONSIBILITY TO ENSURE THESE CONTROLS ARE PROPERLY INSTALLED, MAINTAINED AND FUNCTIONING PROPERLY TO PREVENT TURBID OR POLLUTED WATER FROM LEAVING THE PROJECT SITE. THE CONTRACTOR WILL ADJUST THE EROSION AND TURBIDITY CONTROLS SHOWN ON THE SEDIMENT AND EROSION CONTROL PLAN AND ADD ADDITIONAL CONTROL MEASURES, AS REQUIRED, TO ENSURE THE SITE MEETS ALL FEDERAL, STATE AND LOCAL EROSION AND TURBIDITY CONTROL REQUIREMENTS. THE FOLLOWING BEST MANAGEMENT PRACTICES WILL BE IMPLEMENTED BY THE CONTRACTOR AS REQUIRED BY THE EROSION AND SEDIMENT CONTROL PLAN AND AS REQUIRED TO MEET THE SEDIMENT AND TURBIDITY REQUIREMENTS IMPOSED ON THE PROJECT SITE BY THE REGULATORY AGENCIES.

### CONTROLS - STABILIZATION PRACTICES

- STRAW BALE BARRIER: STRAW BALE BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATIONS:  
A. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT.  
B. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING DRAINAGE AREA IS NO GREATER THAN 2 ACRES.  
C. WHERE EFFECTIVENESS IS REQUIRED FOR LESS THAN 3 MONTHS.  
D. EVERY EFFORT SHOULD BE MADE TO LIMIT THE USE OF STRAW BALE BARRIERS CONSTRUCTED IN LIVE STREAMS OR IN SWALES WHERE THERE IS THE POSSIBILITY OF A WASHOUT. IF NECESSARY, MEASURES SHALL BE TAKEN TO PROPERLY ANCHOR BALES TO INSURE AGAINST WASHOUT.
- FILTER FABRIC BARRIER: FILTER FABRIC BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATIONS:  
A. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT.  
B. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING DRAINAGE AREA IS NO GREATER THAN 2 ACRES.
- BRUSH BARRIER WITH FILTER FABRIC: BRUSH BARRIER MAY BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WHERE ENOUGH RESIDUE MATERIAL IS AVAILABLE ON SITE.
- LEVEL SPREADER: A LEVEL SPREADER MAY BE USED WHERE SEDIMENT-FREE STORM RUNOFF IS INTERCEPTED AND DIVERTED AWAY FROM THE GRADED AREAS ONTO UNDISTURBED STABILIZED AREAS. THIS PRACTICE APPLIES ONLY IN THOSE SITUATIONS WHERE THE SPREADER CAN BE CONSTRUCTED ON UNDISTURBED SOIL AND THE AREA BELOW THE LEVEL LIP IS STABILIZED. THE WATER SHOULD NOT BE ALLOWED TO RECONCENTRATE AFTER RELEASE.
- STOCKPILING MATERIAL: NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE INTO ANY ADJACENT WATER BODY OR STORM WATER COLLECTION FACILITY.
- EXPOSED AREA LIMITATION: THE SURFACE AREA OF OPEN, RAW ERODIBLE SOIL EXPOSED BY CLEARING AND GRUBBING OPERATIONS OR EXCAVATION AND FILLING OPERATIONS SHALL NOT EXCEED 10 ACRES. THIS REQUIREMENT MAY BE WAIVED FOR LARGE PROJECTS WITH AN EROSION CONTROL PLAN WHICH DEMONSTRATES THAT OPENING OF ADDITIONAL AREAS WILL NOT SIGNIFICANTLY AFFECT OFF-SITE DEPOSIT OF SEDIMENTS.
- INLET PROTECTION: INLETS AND CATCH BASINS WHICH DISCHARGE DIRECTLY OFF-SITE SHALL BE PROTECTED FROM SEDIMENT-LADEN STORM RUNOFF UNTIL THE COMPLETION OF ALL CONSTRUCTION OPERATIONS THAT MAY CONTRIBUTE SEDIMENT TO THE INLET.
- TEMPORARY SEEDING: AREAS OPENED BY CONSTRUCTION OPERATIONS AND THAT ARE NOT ANTICIPATED TO BE RE-EXCAVATED OR DRESSED AND RECEIVE FINAL GRASSING TREATMENT WITHIN 30 DAYS SHALL BE SEEDED WITH A QUICK GROWING GRASS SPECIES WHICH WILL PROVIDE AN EARLY COVER DURING THE SEASON IN WHICH IT IS PLANTED AND WILL NOT LATER COMPETE WITH THE PERMANENT GRASSING.
- TEMPORARY SEEDING AND MULCHING: SLOPES STEEPER THAN 6:1 THAT FALL WITHIN THE CATEGORY ESTABLISHED IN PARAGRAPH 8 ABOVE SHALL ADDITIONALLY RECEIVE MULCHING OF APPROXIMATELY 2 INCHES LOOSE MEASURE OF MULCH MATERIAL CUT INTO THE SOIL OF THE SEEDED AREA ADEQUATE TO PREVENT MOVEMENT OF SEED AND MULCH.
- TEMPORARY GRASSING: THE SEEDED OR SEEDED AND MULCHED AREA(S) SHALL BE ROLLED AND WATERED OR HYDRONMULCHED OR OTHER SUITABLE METHODS IF REQUIRED TO ASSURE OPTIMUM GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER.
- TEMPORARY REGRASSING: IF, AFTER 14 DAYS FROM SEEDING, THE TEMPORARY GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75 PERCENT GOOD GRASS COVER, THE AREA WILL BE REWORKED AND ADDITIONAL SEED APPLIED SUFFICIENT TO ESTABLISH THE DESIRED VEGETATIVE COVER.
- MAINTENANCE: ALL FEATURES OF THE PROJECT DESIGNED AND CONSTRUCTED TO PREVENT EROSION AND SEDIMENT SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION SO AS TO FUNCTION AS THEY WERE ORIGINALLY DESIGNED AND CONSTRUCTED.
- PERMANENT EROSION CONTROL: THE EROSION CONTROL FACILITIES OF THE PROJECT SHOULD BE DESIGNED TO MINIMIZE THE IMPACT ON THE OFFSITE FACILITIES.
- PERMANENT SEEDING: ALL AREAS WHICH HAVE BEEN DISTURBED BY CONSTRUCTION WILL, AS A MINIMUM, BE SEEDED. THE SEEDING MIX MUST PROVIDE BOTH LONG-TERM VEGETATION AND RAPID GROWTH SEASONAL VEGETATION. SLOPES STEEPER THAN 4:1 SHALL BE SEEDED AND MULCHED OR SODDED.

### STRUCTURAL PRACTICES

- TEMPORARY DIVERSION DIKE: TEMPORARY DIVERSION DIKES MAY BE USED TO DIVERT RUNOFF THROUGH A SEDIMENT-TRAPPING FACILITY.
- TEMPORARY SEDIMENT TRAP: A SEDIMENT TRAP IS USUALLY INSTALLED IN AN DRAINAGE WAY AT A STORM DRAIN INLET OR AT OTHER POINTS OF DISCHARGE FROM A DISTURBED AREA WITH THE FOLLOWING LIMITATION:  
3. THE SEDIMENT TRAP MAY BE CONSTRUCTED EITHER INDEPENDENTLY OR IN CONJUNCTION WITH A TEMPORARY DIVERSION DIKE.
- OUTLET PROTECTION: APPLICABLE TO THE OUTLETS OF ALL PIPES AND PAVED CHANNEL SECTIONS WHERE THE VELOCITY OF FLOW AT DESIGN CAPACITY OF THE OUTLET WILL EXCEED THE PERMISSIBLE VELOCITY OF THE RECEIVING CHANNEL OR AREA.
- SEDIMENT BASIN: WILL BE CONSTRUCTED AT THE COMMON DRAINAGE LOCATIONS THAT SERVE AN AREA WITH 10 OR MORE DISTURBED AREAS AT ONE TIME, THE PROPOSED STORM WATER PONDS (OR TEMPORARY PONDS) WILL BE CONSTRUCTED FOR USE AS SEDIMENT BASINS. THESE SEDIMENT BASINS MUST PROVIDE A MINIMUM OF 3,600 CUBIC FEET OF STORAGE PER ACRE DRAINED UNTIL FINAL STABILIZATION OF THE SITE. THE 3,600 CUBIC FEET OF STORAGE AREA PER ACRE DRAINED DOES NOT APPLY TO FLOWS FROM OFFSITE AREAS AND FLOWS FROM ONSITE AREAS THAT ARE EITHER UNDISTURBED OR HAVE UNDERGONE FINAL STABILIZATION WHERE SUCH FLOWS ARE DIVERTED AROUND BOTH THE DISTURBED AREA AND THE SEDIMENT BASIN. ANY TEMPORARY SEDIMENT BASINS CONSTRUCTED MUST BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL FILL. ALL SEDIMENT COLLECTED IN PERMANENT OR TEMPORARY SEDIMENT TRAPS MUST BE REMOVED UPON FINAL STABILIZATION.

### OTHER CONTROLS - WASTE DISPOSAL

WASTE MATERIALS  
ALL WASTE MATERIALS EXCEPT LAND CLEARING DEBRIS SHALL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL LOCAL AND STATE SOLID WASTE MANAGEMENT REGULATIONS. THE DUMPSTER WILL BE EMPTIED AS NEEDED AND THE TRASH WILL BE HAULED TO A STATE APPROVED LANDFILL. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL NOTICES STATING THESE PRACTICES WILL BE POSTED AT THE CONSTRUCTION SITE BY THE CONSTRUCTION SUPERINTENDENT, THE INDIVIDUAL WHO MANAGES THE DAY-TO-DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

HAZARDOUS WASTE  
ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES AND THE SITE SUPERINTENDENT, THE INDIVIDUAL WHO MANAGES DAY-TO-DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

SANITARY WASTE  
ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS AS NEEDED TO PREVENT POSSIBLE SPILLAGE. THE WASTE WILL BE COLLECTED AND DISPOSED OF IN ACCORDANCE WITH STATE AND LOCAL WASTE DISPOSAL REGULATIONS FOR SANITARY SEWER OR SEPTIC SYSTEMS.

OFFSITE VEHICLE TRACKING  
A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREET ADJACENT TO THE SITE ENTRANCE WILL BE SWEEP DAILY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPULIN.

### INVENTORY FOR POLLUTION PREVENTION PLAN

THE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ONSITE DURING CONSTRUCTION:  
Concrete Fertilizers Petroleum Based Products

### SPILL PREVENTION

MATERIAL MANAGEMENT PRACTICES  
THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.  
GOOD HOUSEKEEPING  
THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT.  
\* AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.  
\* ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.  
\* PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.  
\* SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.  
\* WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.  
\* MANUFACTURER'S RECOMMENDATION FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.  
\* THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE MATERIALS ONSITE RECEIVE PROPER USE AND DISPOSAL.

HAZARDOUS PRODUCTS  
THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.  
\* PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESALABLE.  
\* ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION.  
\* IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURER'S OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

PRODUCT SPECIFIC PRACTICES  
THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ONSITE:  
PETROLEUM PRODUCTS  
ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

FERTILIZERS  
FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER, STORAGE WILL BE IN A COVERED AREA. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

### SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:  
MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED ON SITE AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.  
MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, LIQUID ADSORBENT (I.E. KITTY LITTER OR EQUAL), SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.  
ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.  
THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.  
SPILL OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE OF THE SPILL.  
THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.  
THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE/SHE WILL DESIGNATE AT LEAST ONE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IF APPLICABLE, IN THE OFFICE TRAILER ONSITE.

### MAINTENANCE / INSPECTION PROCEDURES

EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES  
THE FOLLOWING ARE INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS.  
\* NO MORE THAN 10 ACRES OF THE SITE WILL BE DENUDED AT ONE TIME WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.  
\* ALL CONTROL MEASURES WILL BE INSPECTED BY THE SUPERINTENDENT, THE PERSON RESPONSIBLE FOR THE DAY TO DAY SITE OPERATION OR SOMEONE APPOINTED BY THE SUPERINTENDENT, AT LEAST ONCE A WEEK AND FOLLOWING ANY STORM EVENT OF 0.25 INCHES OR GREATER.  
\* ALL TURBIDITY CONTROL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.  
\* BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.  
\* SILT FENCE WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.  
\* THE SEDIMENT BASINS WILL BE INSPECTED FOR THE DEPTH OF SEDIMENT, AND BUILT UP SEDIMENT WILL BE REMOVED WHEN IT REACHES 10 PERCENT OF THE DESIGN CAPACITY OR AT THE END OF THE JOB.

P:\Projects\18-0072.001\_WSPP - Northside Park Improvements\CADD\Production Drawings\C2.22 - STORMWATER POLLUTION PREVENTION CERTIFICATIONS.dwg PLOT DATE 1/21/2019 1:11 PM BY MAF

STORM WATER POLLUTION PREVENTION PLAN  
INSPECTION AND MAINTENANCE REPORT FORM  
TO BE COMPLETED EVERY 7 DAYS AND WITHIN 24 HOURS OF  
A RAINFALL EVENT OF 0.25 INCHES OR MORE

INSPECTOR: \_\_\_\_\_ DATE: \_\_\_\_\_

INSPECTOR'S QUALIFICATIONS:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

DAYS SINCE LAST RAINFALL: \_\_\_\_\_ AMOUNT OF LAST RAINFALL \_\_\_\_\_ INCHES

STABILIZATION MEASURES					
INSPECTION AREA (DESCRIPTION OF LOCATION)	DATE SINCE LAST DISTURBED	DATE OF NEXT DISTURBANCE	STABILIZED ? (YES/NO)	STABILIZED WITH	CONDITION

STABILIZATION REQUIRED:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

TO BE PERFORMED BY: \_\_\_\_\_ ON OR BEFORE: \_\_\_\_\_

STORM WATER POLLUTION PREVENTION PLAN  
INSPECTION AND MAINTENANCE REPORT FORM  
SEDIMENT BASIN

DEPTH OF SEDIMENT IN BASIN	DEPTH OF SEDIMENT SIDE BASIN	ANY EVIDENCE OF OVERTOPPING OF THE EMBANKMENT?	CONDITION OF OUTFALL FORM SEDIMENT BASIN

MAINTENANCE REQUIRED FOR SEDIMENT BASIN:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

TO BE PERFORMED BY: \_\_\_\_\_ ON OR BEFORE: \_\_\_\_\_

OTHER CONTROLS  
STABILIZED CONSTRUCTION ENTRANCE

DOES MUCH SEDIMENT GET TRACKED ON TO ROAD	IS THE GRAVEL CLEAN OR IS IT FILLED WITH SEDIMENT?	DOES ALL TRAFFIC USE THE STABILIZED ENTRANCE TO LEAVE THE SITE?	IS THE CULVERT BENEATH THE ENTRANCE WORKING? (IF APPLICABLE)

MAINTENANCE REQUIRED FOR STABILIZED CONSTRUCTION ENTRANCE:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

TO BE PERFORMED BY: \_\_\_\_\_ ON OR BEFORE: \_\_\_\_\_

STORM WATER POLLUTION PREVENTION PLAN  
INSPECTION AND MAINTENANCE REPORT FORM  
STRUCTURAL CONTROLS  
EARTH DIKES / SWALES

DATE: \_\_\_\_\_

DIKE OR SWALE	FROM	TO	IS DIKE / SWALE STABILIZED ?	IS THERE EVIDENCE OF WASHOUT OR OVERTOPPING

MAINTENANCE REQUIRED FOR EARTH DIKE / SWALE:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

TO BE PERFORMED BY: \_\_\_\_\_ ON OR BEFORE: \_\_\_\_\_

CATCH BASIN / CURB INLET / OUTFALL TURBIDITY CONTROLS

STRUCTURE / OUTFALL	ARE TURBIDITY CONTROLS IN PLACE?	ANY EVIDENCE OF CLOGGING / WASHOUT OR BYPASSING?	ARE TURBIDITY CONTROLS IN NEED OF REPLACING?	DOES SILT NEED TO BE REMOVED FROM AROUND CONTROL?

MAINTENANCE REQUIRED FOR CATCH BASIN / CURB INLETS / OUTFALLS TURBIDITY CONTROLS:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

STORM WATER POLLUTION PREVENTION PLAN  
INSPECTION AND MAINTENANCE REPORT FORM

CHANGES REQUIRED TO THE POLLUTION PREVENTION PLAN:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

REASONS FOR CHANGES:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE: \_\_\_\_\_  
DATE: \_\_\_\_\_

# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

**MANLEY DESIGN**  
Landscape Architecture • Site Planning

Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SEAL:

DAVID SOWELL, P.E. 68531

PROJECT NO: 18-0072.001  
CLIENTS NO:  
ISSUED FOR: **CLIENT REVIEW & PERMITTING**  
ISSUED DATE: JANUARY 2019  
REVISIONS:

SCALE:  
AS SHOWN

SHEET TITLE:  
**STORMWATER POLLUTION PREVENTION PLAN CERTIFICATIONS**

SHEET NUMBER:  
**C2.22**

# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648



Manley Design, LLC  
Landscape Architecture • Site Planning  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SEAL:

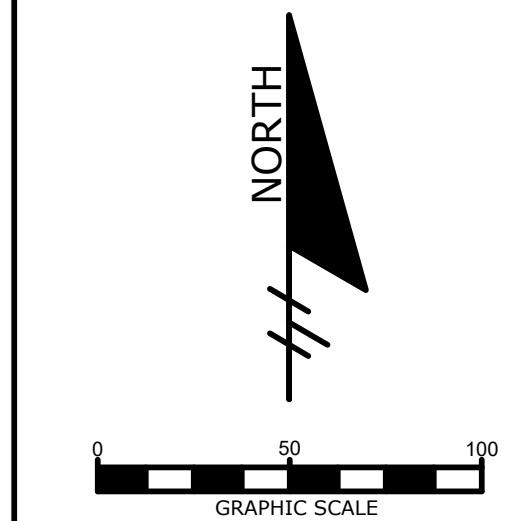
DAVID SOWELL, P.E. 68531

PROJECT NO: 18-0072.001  
CLIENTS NO:  
ISSUED FOR: CLIENT REVIEW & PERMITTING  
ISSUED DATE: JANUARY 2019  
REVISIONS:

SCALE:  
AS SHOWN

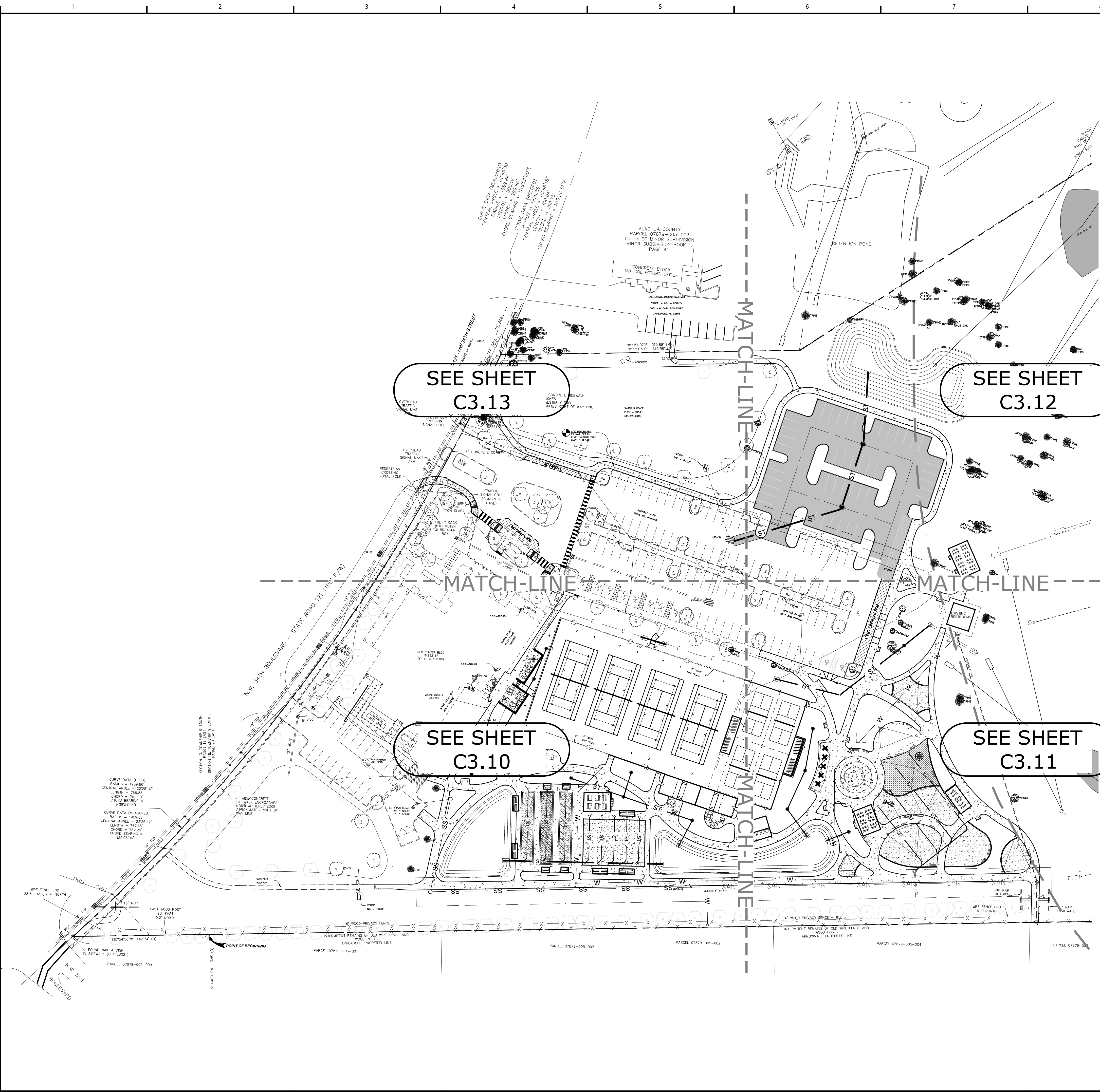
SHEET TITLE:  
UTILITIES KEY PLAN

SHEET NUMBER:  
C3.00



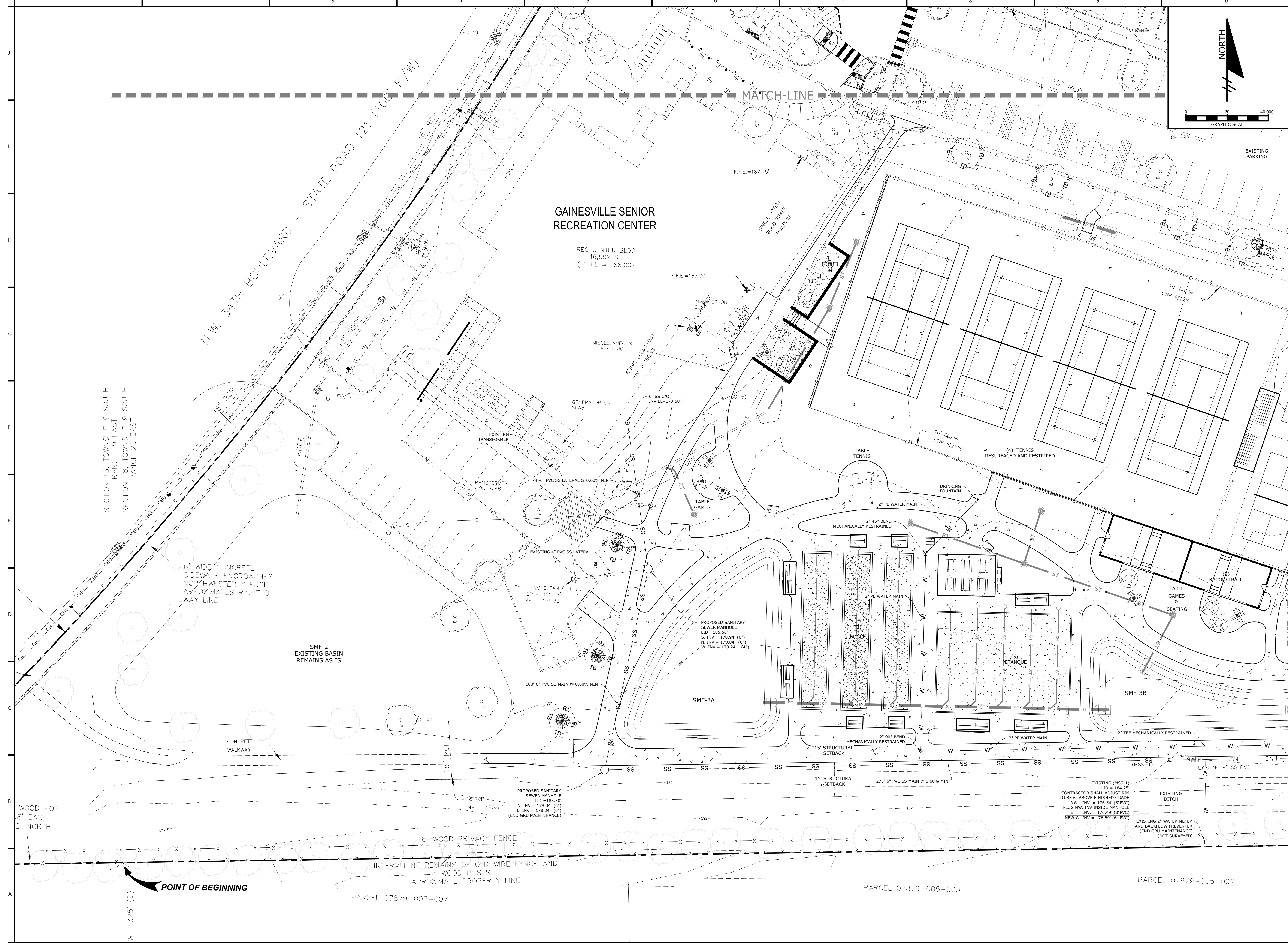
### GRU STANDARD UTILITY NOTES

1. THE FOLLOWING PERMITS ARE REQUIRED: CITY OF GAINESVILLE, UNIVERSITY OF FLORIDA, GRU, AND SJRWMD.
2. THE UTILITY PLAN AND PLAT SHOWS ALL PUBLIC UTILITY EASEMENTS (PUE'S) IN A METES AND BOUNDS FORMAT. UPON GRU'S APPROVAL OF PLANS FOR DEVELOPMENTS NOT BEING PLATTED, OWNER MAY CHOOSE TO GRANT THE METES AND BOUNDS EASEMENTS AS SHOWN, OR A BLANKET EASEMENT OVER THE ENTIRE PROPERTY, PROVIDED FACILITIES ARE INSTALLED WITHIN THE PRESCRIBED DISTANCES AS SHOWN ON THE UTILITY PLANS AND IN ACCORDANCE WITH THE UTILITY SEPARATION REQUIREMENTS TABLE IN APPENDIX C OF THE GRU W/WW/RCW DESIGN STANDARDS
3. ALL CONSTRUCTION MATERIALS AND METHODS FOR POTABLE WATER, WASTEWATER, AND RECLAIMED WATER SYSTEMS SHALL BE IN CONFORMANCE WITH GRU'S MOST RECENT POTABLE WATER, WASTEWATER, & RECLAIMED WATER SYSTEM DESIGN STANDARDS, CONSTRUCTION DETAILS, CONSTRUCTION STANDARDS, AND APPROVED MATERIALS MANUAL.
4. POTABLE WATER AND WASTEWATER MAINS SHALL MAINTAIN A MINIMUM 10 FEET HORIZONTAL AND 1.5 FOOT VERTICAL SEPARATION.
5. A MINIMUM HORIZONTAL SEPARATION OF 10 FEET FOR POTABLE WATER MAINS, WASTEWATER FORCE MAINS, AND RECLAIMED WATER MAINS, AND 15 FEET FOR GRAVITY WASTEWATER MAINS SHALL BE PROVIDED AND MAINTAINED FROM BUILDINGS, TRANSFORMERS, AND ALL PERMANENT STRUCTURES. SERVICE LATERALS REQUIRE 5 FEET LESS CLEARANCE FOR EACH OF THE UTILITIES; PROVIDED THAT WATER SERVICE LATERALS ARE INSTALLED INSIDE 3" SLEEVES. SEPARATION FROM TREES IS REDUCED TO 7.5' FOR PRESSURIZED MAINS AND SERVICES AND 10' (MINIMUM) FOR GRAVITY MAINS AND SERVICES. (SEE APPENDIX C OF GRU'S DESIGN STANDARDS AND CONSTRUCTION DETAILS FOR POTABLE WATER, WASTEWATER, AND RECLAIMED WATER - HORIZONTAL SEPARATION DISTANCES FOR PARALLEL AND PERPENDICULAR CLEARANCE FROM OTHER OBJECTS TABLE.)
6. POTABLE WATER SERVICES SHALL BE PROVIDED TO EACH LOT, BUILDING OR PARCEL REQUIRING A SEPARATE WATER METER. FOR COMMERCIAL, MULTIFAMILY, AND INSTITUTIONAL DEVELOPMENTS, THE DEVELOPER SHALL BE RESPONSIBLE FOR INSTALLING POTABLE WATER SERVICES AND YOKE ASSEMBLY PACKAGE UP TO AND INCLUDING THE METER YOKE, BOX (INSTALLED AT FINAL GRADE) AND ASSOCIATED APPURTENANCES, FOR METERS 1" AND SMALLER (SEE GRU W/WW/RCW CONSTRUCTION DETAIL W - 8.0), WITH A ONE-YEAR WARRANTY.
7. 2" VALVES SHALL BE GRU APPROVED CAST IRON, RESILIENT SEAT GATE VALVES WITH STANDARD 2" OPERATING NUT, THREADED WITH BRASS NIPPLE BETWEEN THE VALVE AND TAPPING SADDLE OR TAPPED TEE.
8. WATER MAINS 4" IN DIAMETER AND GREATER, PLACED UNDER ROADWAYS, SHALL BE CEMENT LINED DUCTILE IRON PIPE (CLDIP) EXTENDING 5 FEET PAST THE BACK OF CURB (3 FEET WITHIN CITY OF GAINESVILLE LIMITS). TRACER WIRE INSTALLED ON PVC WATER MAINS SHALL CONTINUE ACROSS THE CLDIP SECTIONS.
9. 3" WATER SERVICE CROSSINGS LOCATED UNDER ROADWAYS SHALL BE ENCASED IN 4" HDPE EXTENDING 5' PAST THE BACK OF CURB.
10. ANCHOR TEES, ANCHOR COUPLINGS (SOLID X SWIVEL), AND ANCHOR BENDS (SWIVEL X SWIVEL) SHALL BE USED ON ALL FIRE HYDRANT ASSEMBLIES.
11. ALL PRESSURIZED MAIN FITTINGS AND VALVES 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.
12. ALL SANITARY WASTEWATER SERVICE LATERALS SHALL BE MIN. 4" DIAMETER PVC (SDR 26 PIPE AND FITTINGS) AT 1.00% MIN. SLOPE UNLESS OTHERWISE LABELED.
13. WASTEWATER CLEANOUT COVERS LOCATED WITHIN PAVEMENT AND SIDEWALKS SHALL BE RATED FOR TRAFFIC LOAD BEARING.
14. 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.
15. 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.
16. 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.



P:\Projects\18-0072.001\_WSPP - Northside Park Improvements\CADD\Production Drawings\C3.00 - UTILITIES KEY PLAN.dwg PLOT DATE 1/21/2019 1:11 PM BY MAF

P:\Projects\18-0072\001\_WSPP - Northside Park Improvements\CADD\Production Drawings\C3.10 - DETAILED UTILITIES PLAN.dwg PLOT DATE: 1/21/2019 1:11 PM BY: MAF



# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP

**DRMP**  
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

**MANLEY DESIGN**  
Landscape Architecture • Site Planning  
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575

**HDC**  
Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946

**Sputo and Lammert Engineering, LLC**  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SEAL:

DAVID SOWELL, P.E. 68531

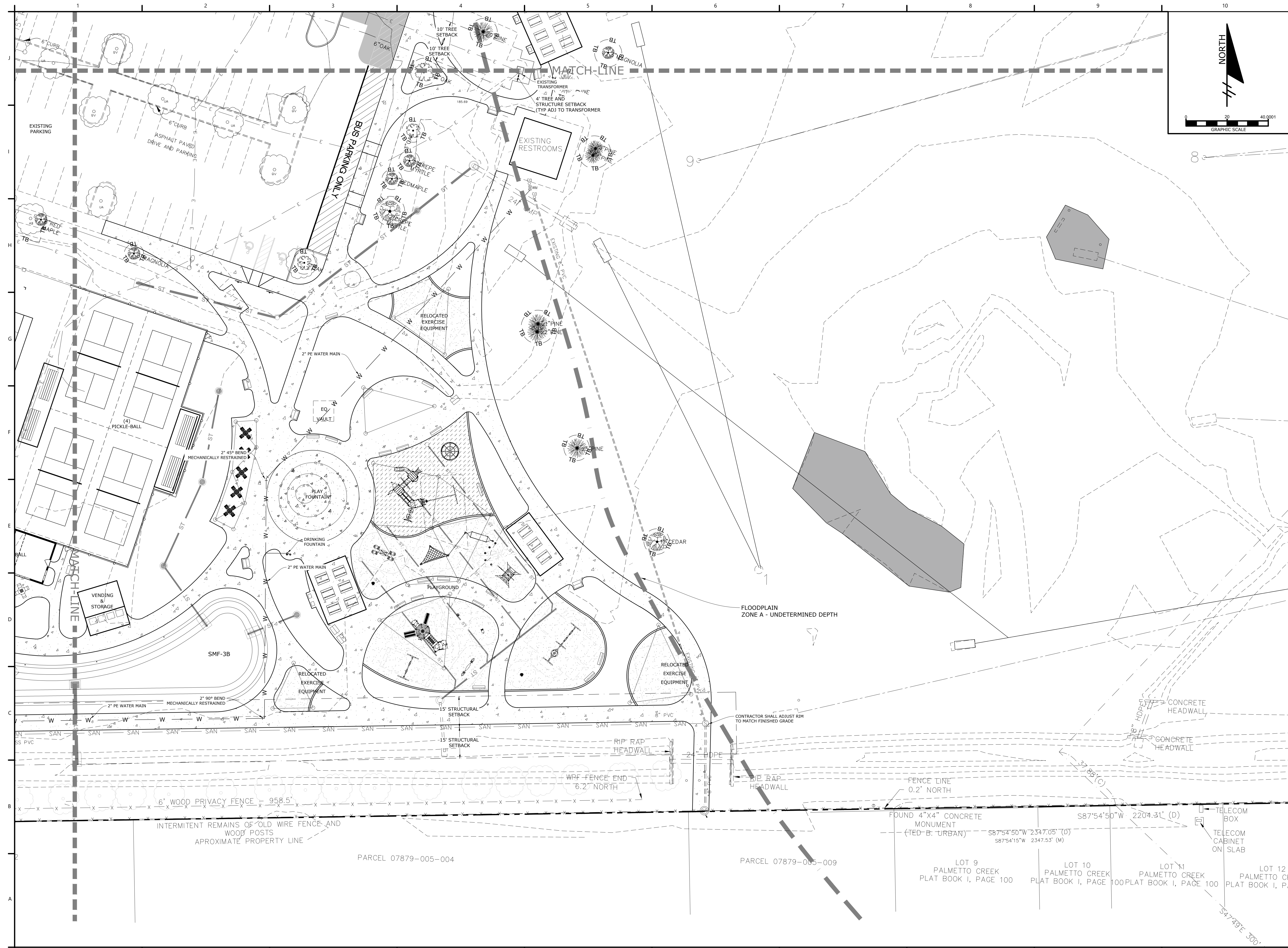
PROJECT NO: 18-0072.001  
CLIENTS NO:  
ISSUED FOR: **CLIENT REVIEW & PERMITTING**  
ISSUED DATE: JANUARY 2019  
REVISIONS:

SCALE:  
**AS SHOWN**

SHEET TITLE:  
**DETAILED UTILITIES PLAN**

SHEET NUMBER:  
**C3.10**

P:\Projects\18-0072\001\_WSPP - Northside Park Improvements\CADD\Production Drawings\C3.10 - DETAILED UTILITIES PLAN.dwg PLOT DATE: 1/21/2019 1:11 PM BY: MAF



# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP

**DRMP**  
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

**MANLEY DESIGN**  
Landscape Architecture • Site Planning  
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575

**HDC** HUNTER DESIGN & CONSULTING  
Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946

**SPUTO and LAMMERT ENGINEERING**  
Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SEAL:

DAVID SOWELL, P.E. 68531

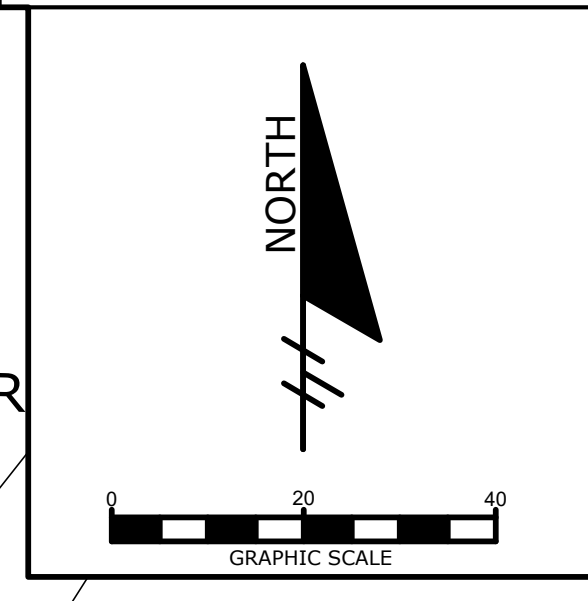
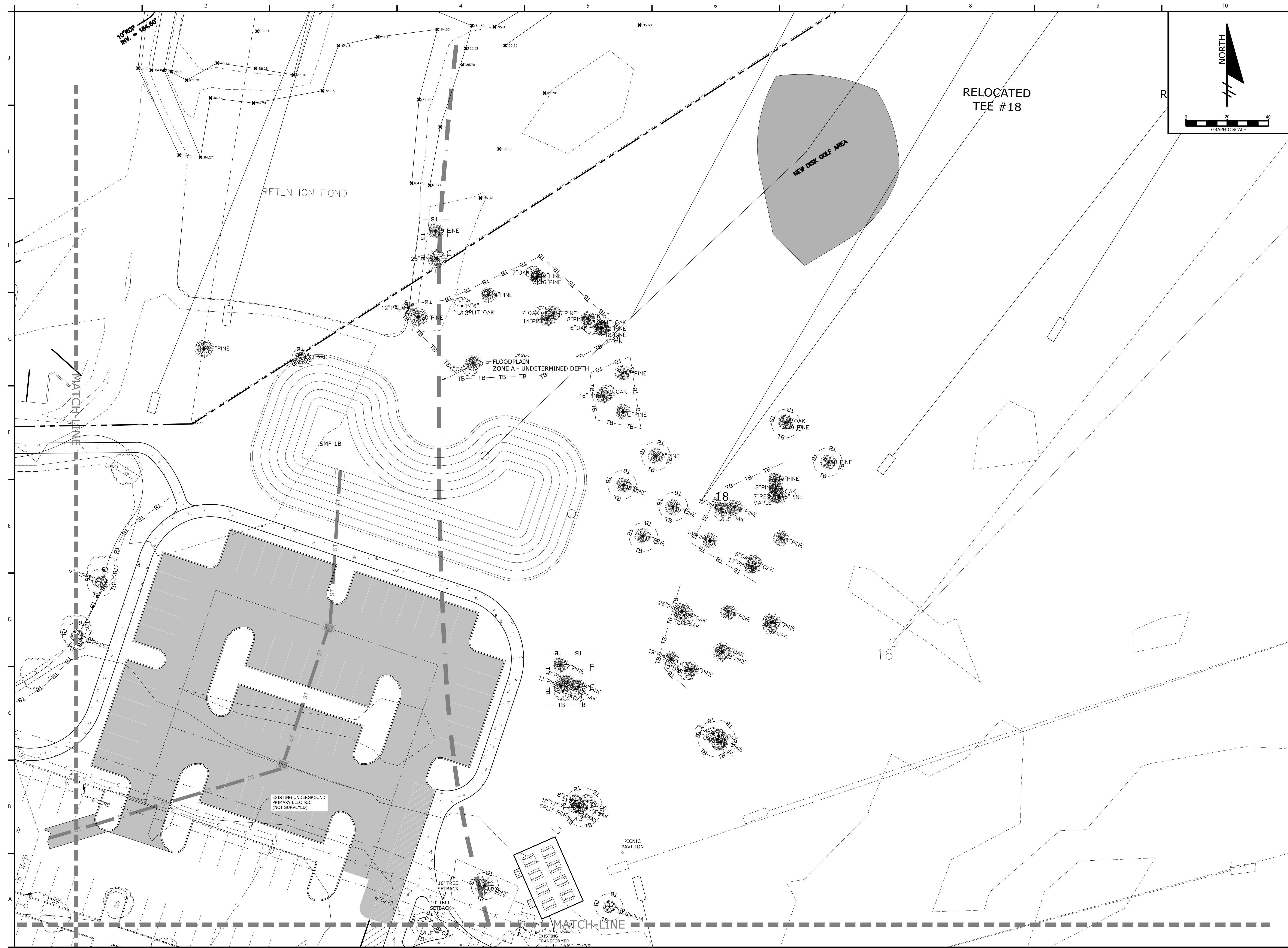
PROJECT NO: 18-0072.001  
CLIENTS NO:  
ISSUED FOR: CLIENT REVIEW & PERMITTING  
ISSUED DATE: JANUARY 2019  
REVISIONS:

SCALE:  
AS SHOWN

SHEET TITLE:  
**DETAILED UTILITIES PLAN**

SHEET NUMBER:  
C3.11

P:\Projects\18-0072.001\_WSPP - Northside Park Improvements\CADD\Production Drawings\C3.10 - DETAILED UTILITIES PLAN.dwg PLOT DATE: 1/21/2019 1:11 PM BY: MAF



# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP

**DRMP**  
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

**MANLEY DESIGN**  
Landscape Architecture • Site Planning  
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575

**HDC** HUNTER DESIGN & CONSULTING  
Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946

**SPUTO and LAMMERT ENGINEERING**  
Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

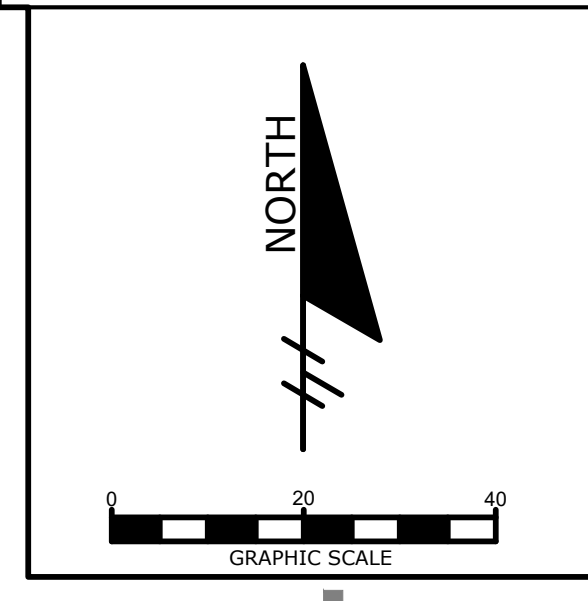
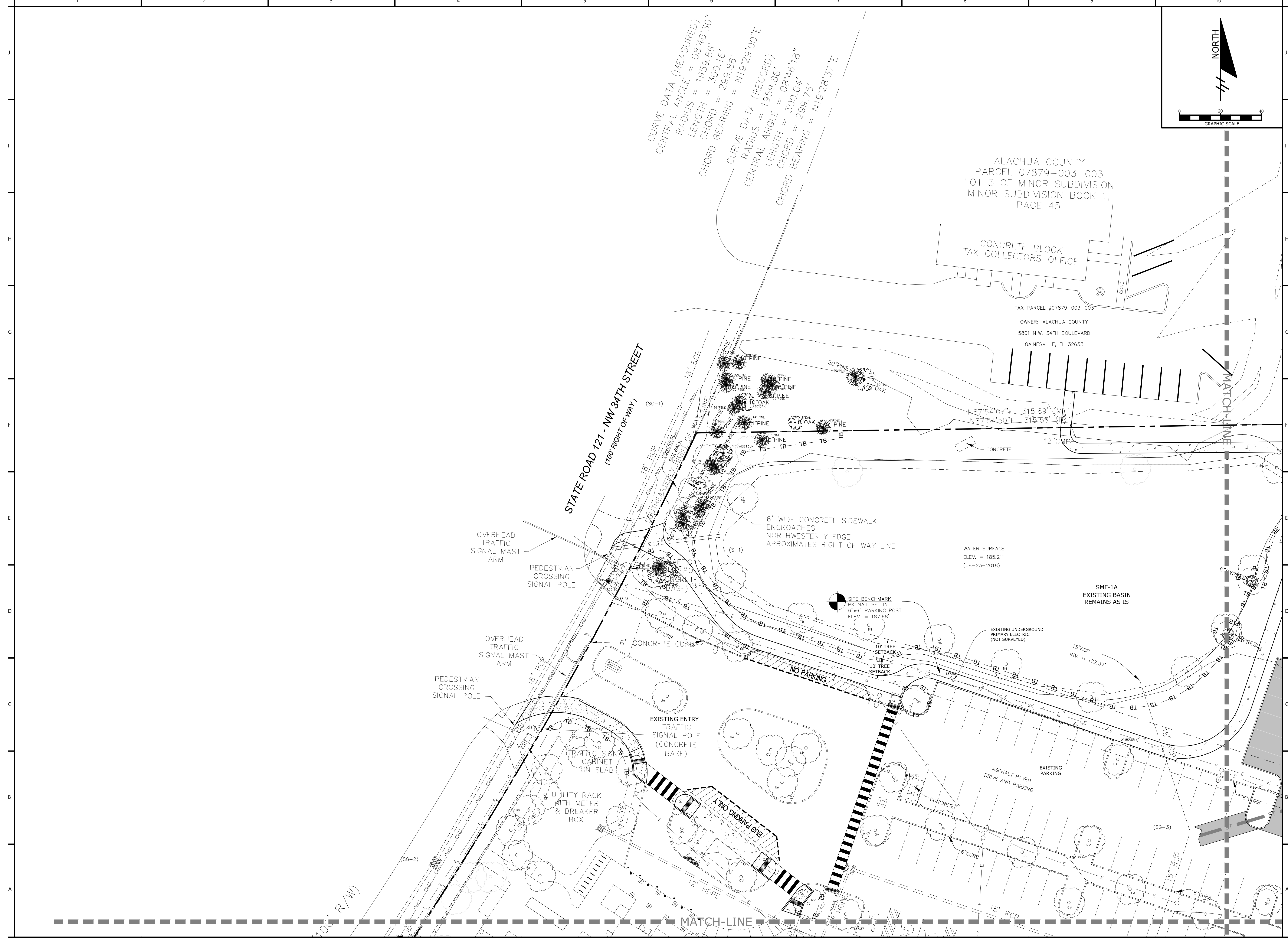
SEAL:

DAVID SOWELL, P.E. 68531  
PROJECT NO: 18-0072.001  
CLIENTS NO:  
ISSUED FOR: **CLIENT REVIEW & PERMITTING**  
ISSUED DATE: JANUARY 2019  
REVISIONS:  
SCALE:  
**AS SHOWN**

SHEET TITLE:  
**DETAILED UTILITIES PLAN**

SHEET NUMBER:  
**C3.12**

P:\Projects\18-0072.001\_WSPP - Northside Park Improvements\CADD\Production Drawings\C3.10 - Detailed Utilities Plan.dwg PLOT DATE: 1/21/2019 1:12 PM BY: MAF



# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648



Manley Design, LLC  
Landscape Architecture • Site Planning  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SEAL:

DAVID SOWELL, P.E. 68531

PROJECT NO.: 18-0072.001  
CLIENTS NO.:  
ISSUED FOR: CLIENT REVIEW & PERMITTING  
ISSUED DATE: JANUARY 2019  
REVISIONS:

SCALE:  
AS SHOWN

SHEET TITLE:  
DETAILED UTILITIES PLAN

SHEET NUMBER:  
C3.13

# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

## MANLEY DESIGN

Landscape Architecture • Site Planning  
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SEAL:

DAVID SOWELL, P.E. 68531

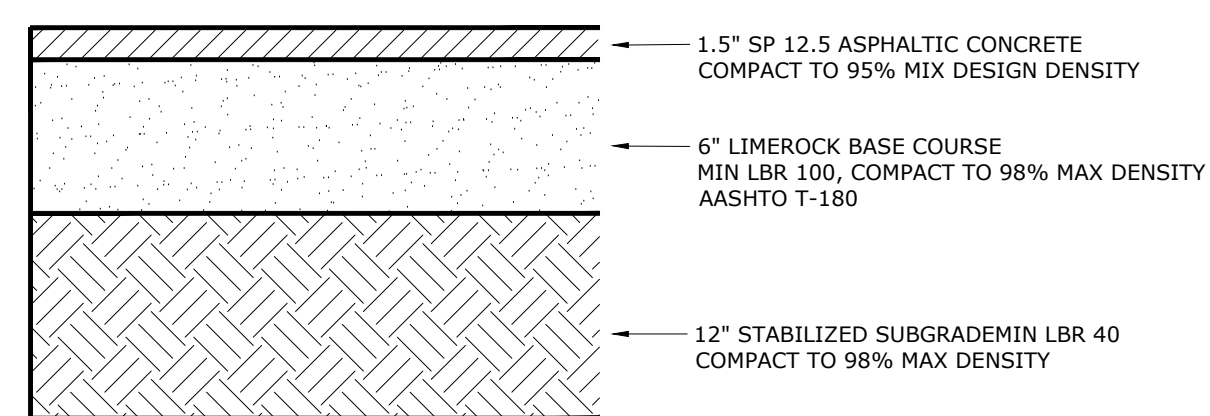
PROJECT NO.: 18-0072.001  
CLIENTS NO.:  
ISSUED FOR: CLIENT REVIEW & PERMITTING  
ISSUED DATE: JANUARY 2019  
REVISIONS:

SCALE:  
AS SHOWN

SHEET TITLE:  
**CONSTRUCTION DETAILS**

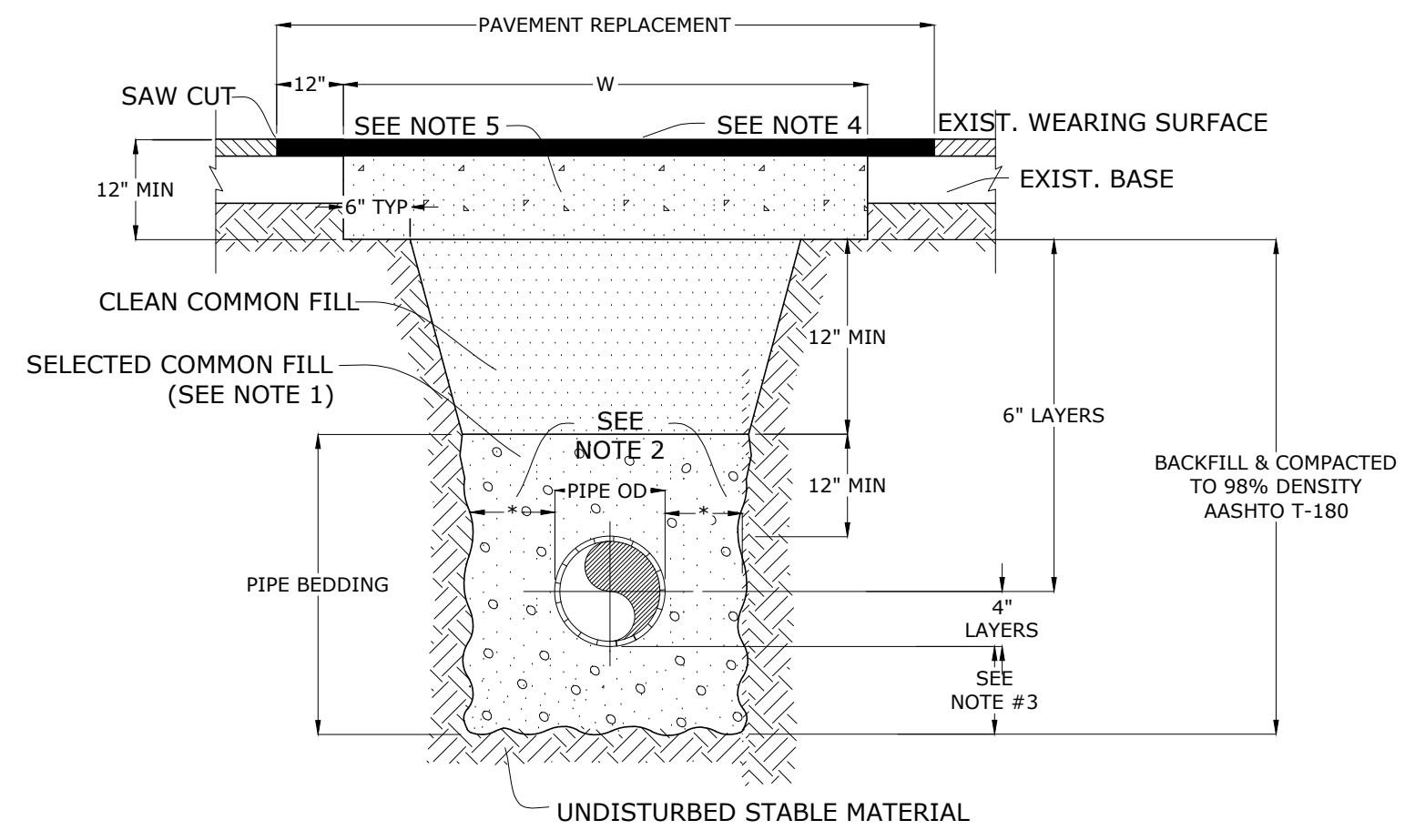
SHEET NUMBER:

C4.00



TYPICAL ASPHALT PAVEMENT SECTION

N.T.S.



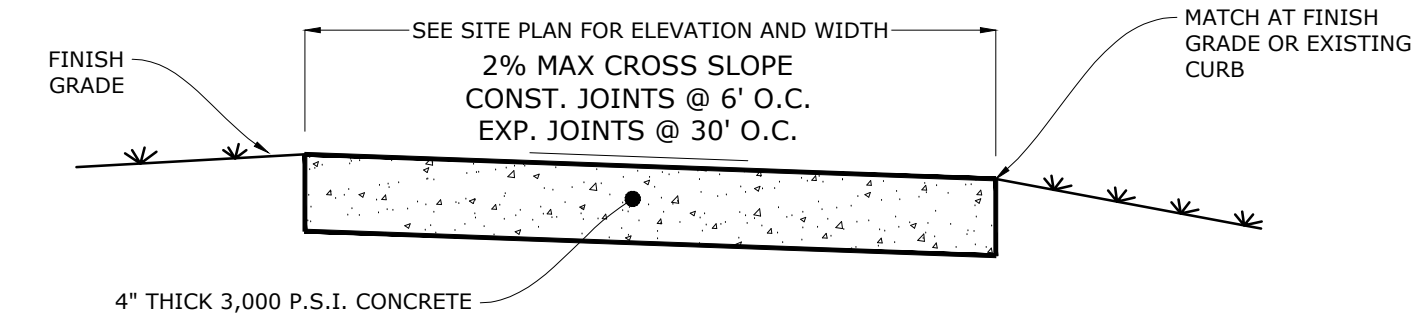
OPEN CUT PAVEMENT REPAIR DETAIL

N.T.S.

DEPTH OF CUT	LIMIT OF PAVEMENT MAXIMUM WIDTH 'W'
0'-8"	13'
8'-12"	21'
12'-16"	29'
16'-20"	32'

THIS TABLE IS FOR PAYMENT PURPOSES ONLY. SAFETY REQUIREMENTS MAY DICTATE INCREASED WIDTHS.

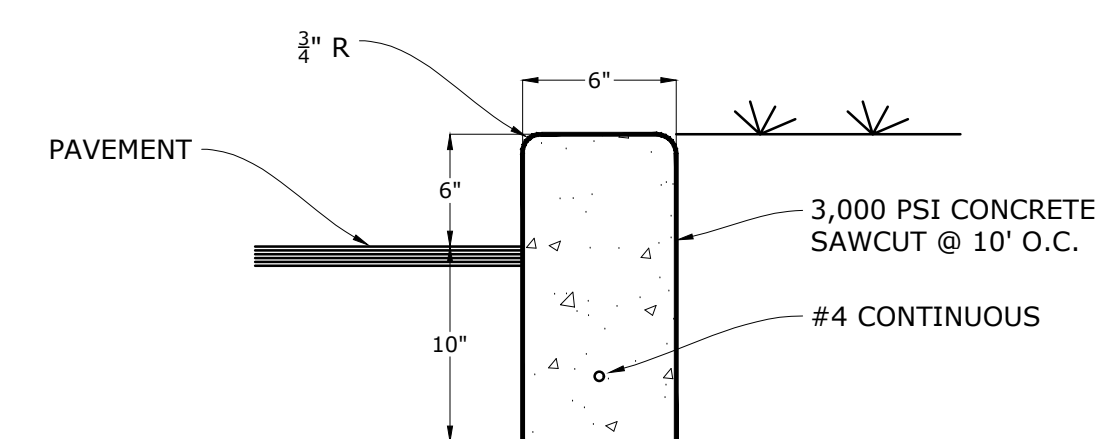
- NOTES:
- 1.) USE OF TYPE A-2 AND A-3 PIPE BEDDING TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
  - 2.) 10" MAX. FOR PIPE DIAMETER LESS THAN 24"
  - 3.) 4" MAX. FOR PIPE 15" DIAMETER AND LESS
  - 4.) WEARING SURFACE TO BE SAME TYPE & THICKNESS (1 1/2" MIN.) AS EXISTING PAVEMENT.
  - 5.) BASE MATERIAL SHALL BE D.O.T. NO. 57, LIMEROCK, SHELL OR APPROVED EQUAL.
  - 6.) BACKFILL AASHTO M-145 SHALL BE PLACED IN LAYERS NOT TO EXCEED 6 INCHES. EACH LAYER SHALL BE THOROUGHLY TAMPED AND/OR ROLLED TO 98% AASHTO T-180 DENSITY.
  - 7.) TEMPORARY PATCHES WILL BE MAINTAINED SO AS TO PROVIDE A SMOOTH ALL WEATHER SURFACE AT ALL TIME. PERMANENT PATCH TO BE MADE AS SOON AS POSSIBLE.



TYPICAL SIDEWALK DETAIL

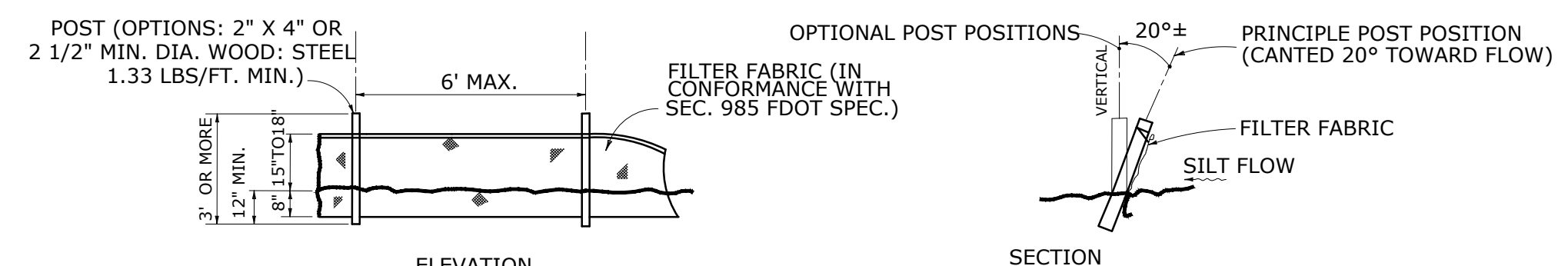
N.T.S.

- NOTES:
1. THE SIDEWALK SHALL BE CONSTRUCTED ON A CLEAN SAND SUB-BASE COMPACTED TO 95% MAX DENSITY.
  2. SAWCUT CONTROL JOINTS SHALL BE CONSTRUCTED 5 FEET ON CENTER.
  3. FULL DEPTH TRANSVERSE EXPANSION JOINTS WITH PREFORMED JOINT FILLER SHALL BE CONSTRUCTED AT 30' FEET ON CENTER.



6" STANDARD CURB

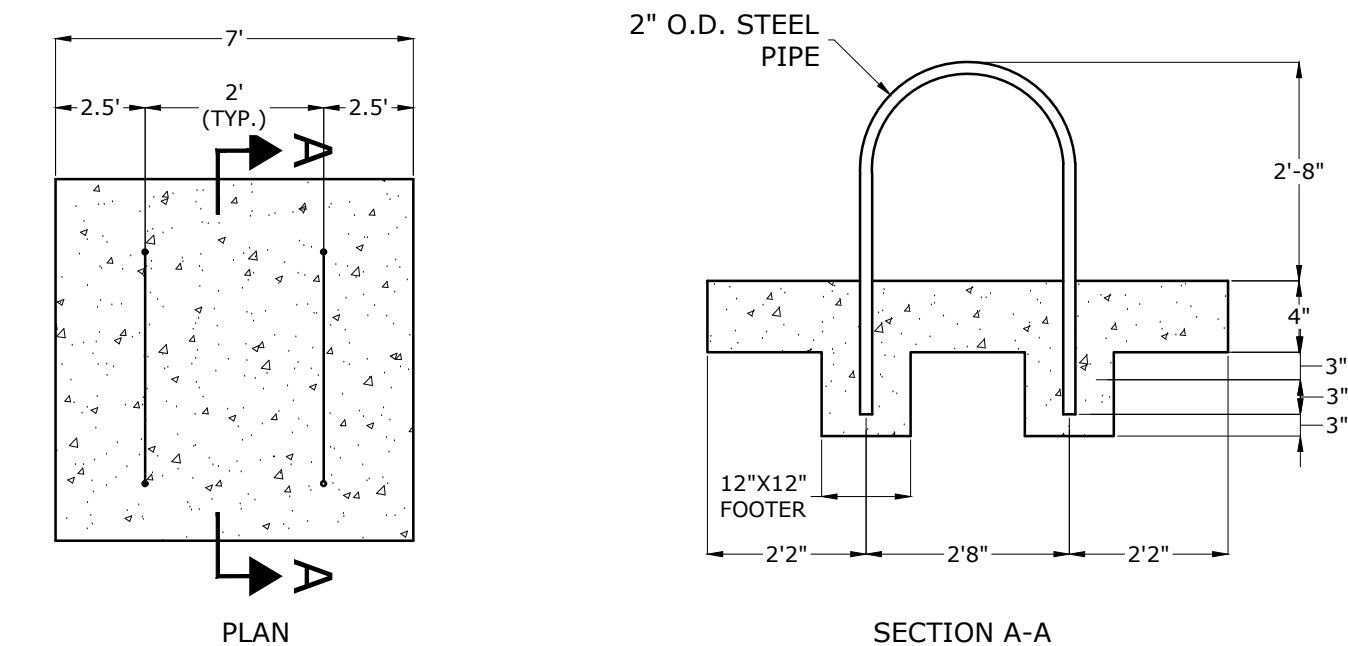
N.T.S.



TYPE III SILT FENCE

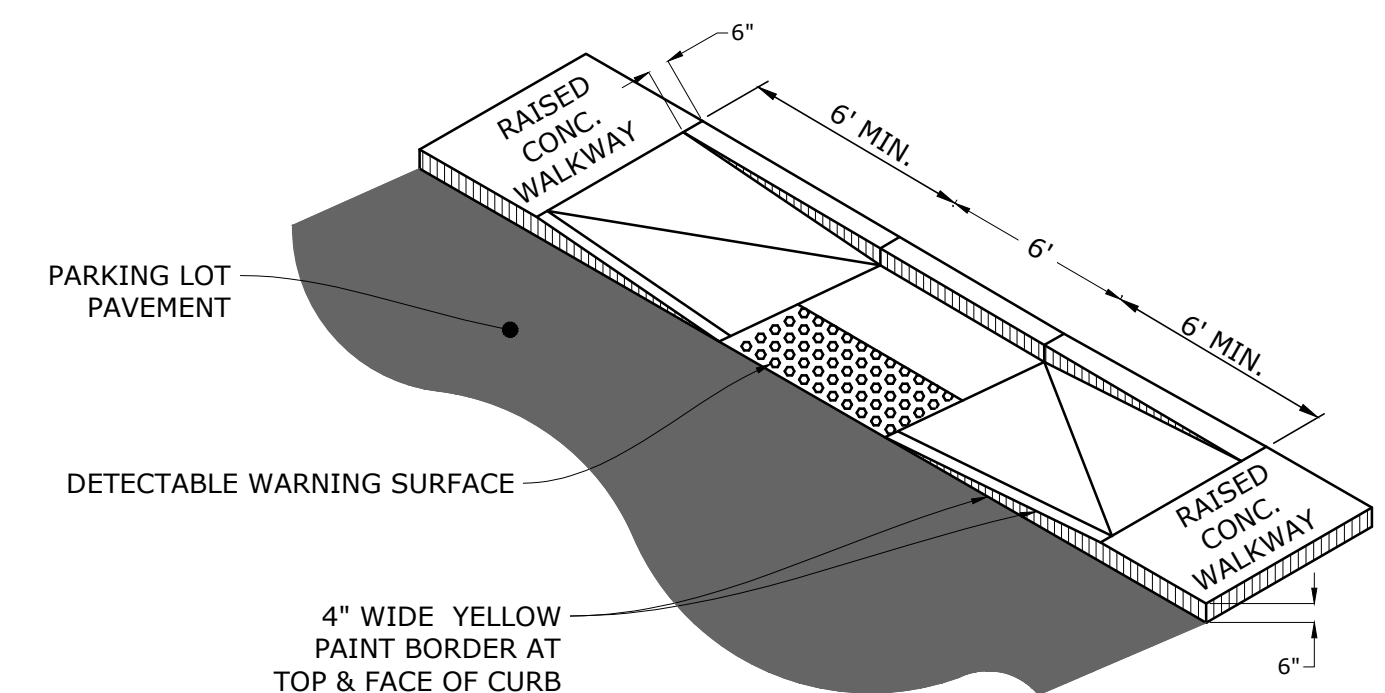
N.T.S.

NOTE: SILT FENCE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED SILT FENCE (LF).



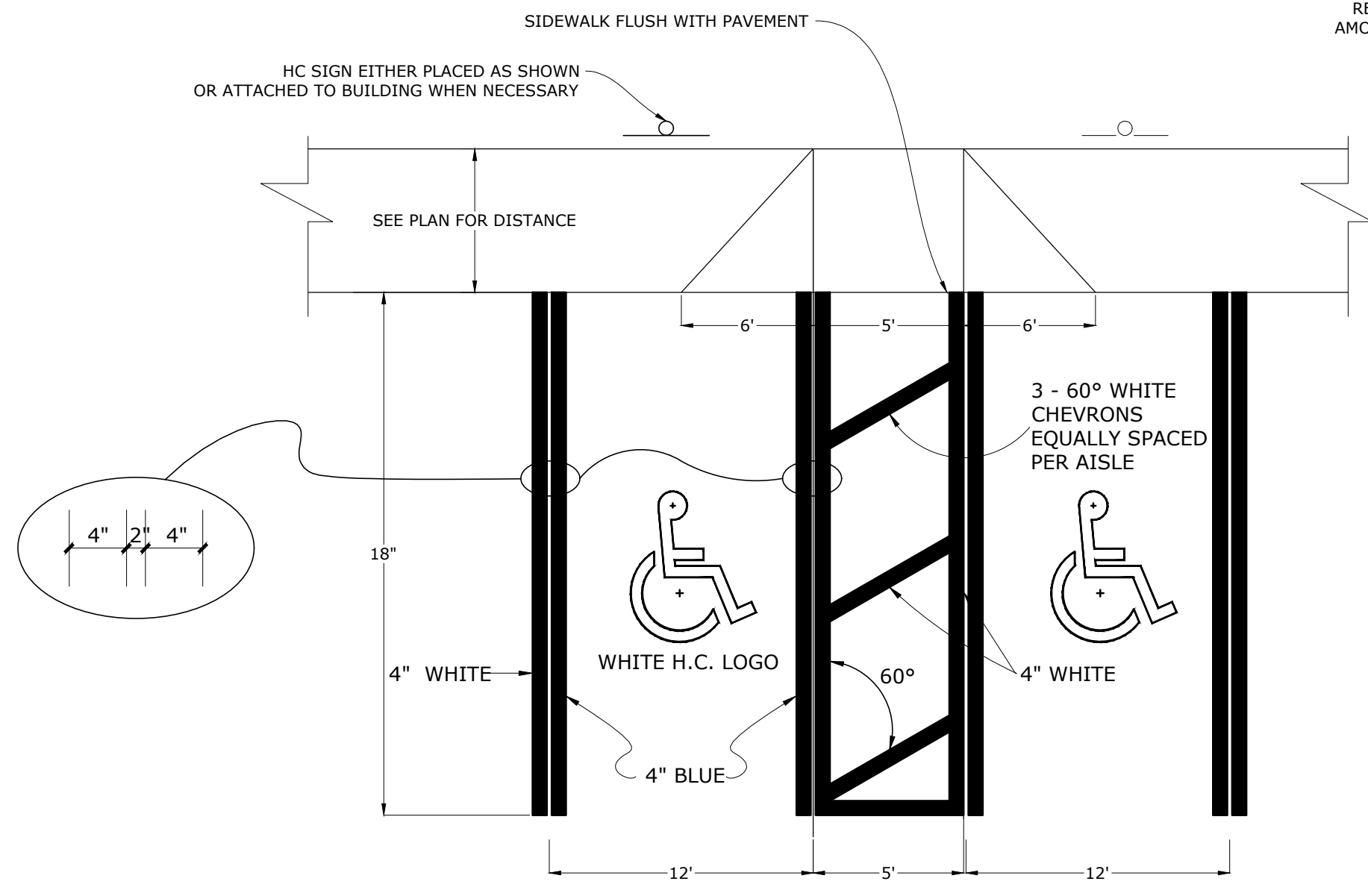
U-SHAPE BIKE RACK

N.T.S.



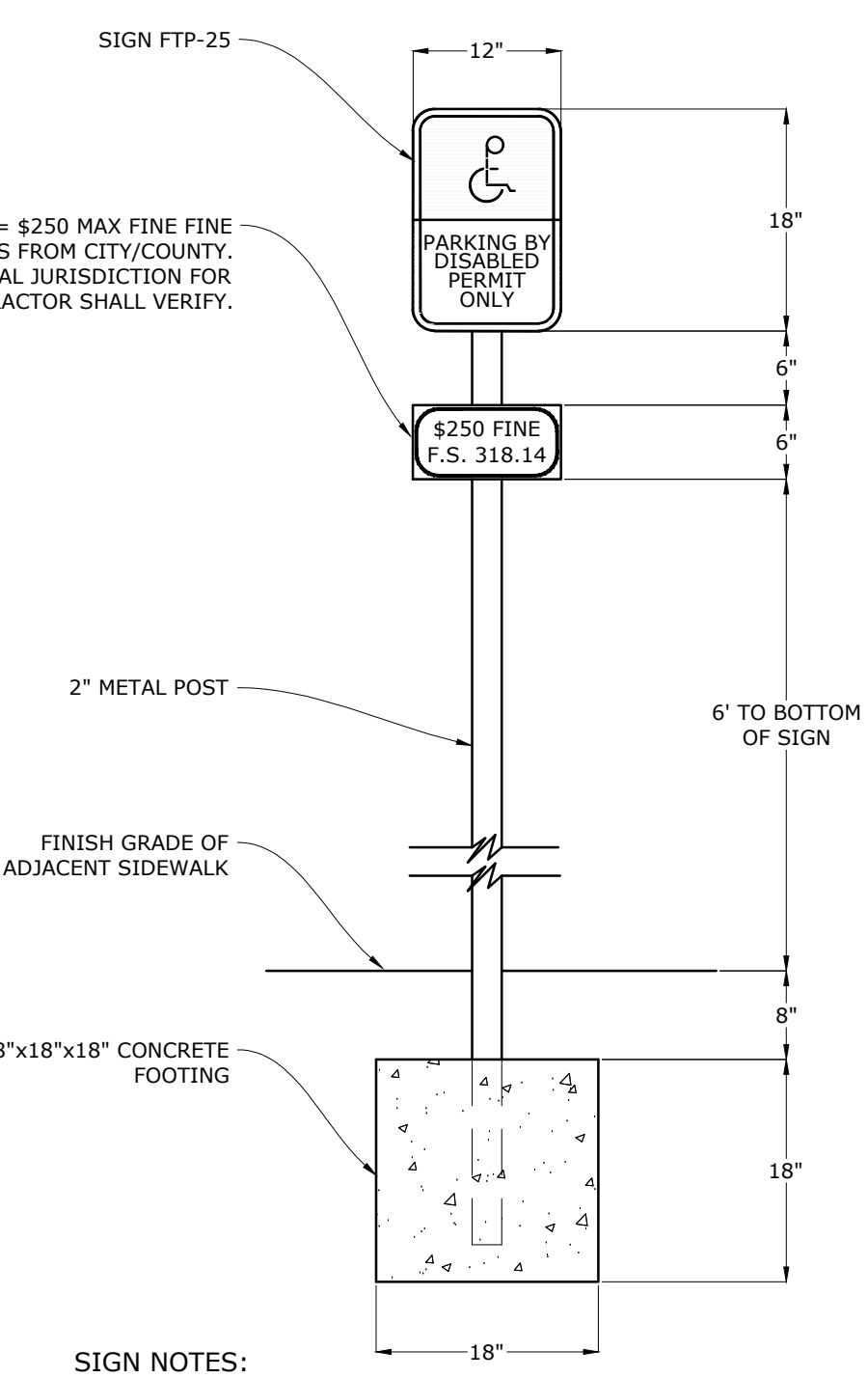
HANDICAP PARKING RAMP DETAIL

N.T.S.



H.C. PARKING STRIPING DETAIL

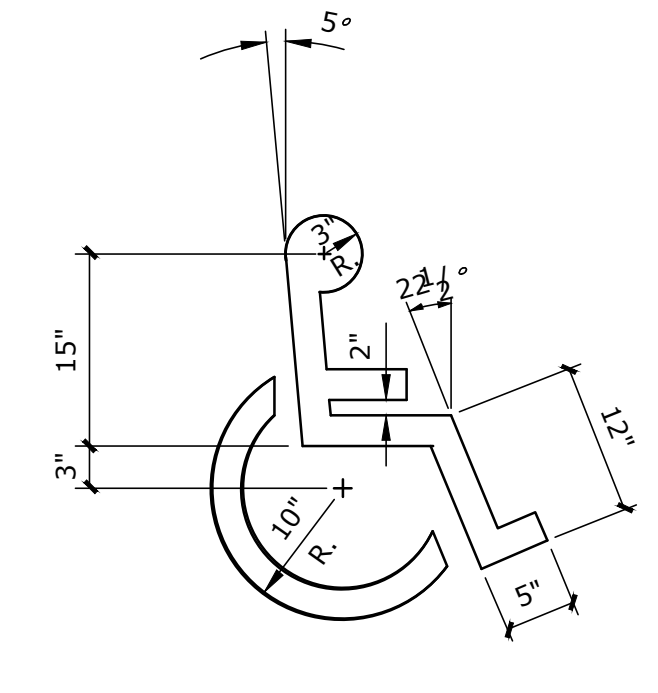
N.T.S.



HANDICAP PARKING SIGN

N.T.S.

- SIGN NOTES:
1. SIGN CONSTRUCTION, DESIGN AND PLACEMENT SHALL COMPLY WITH STATE AND LOCAL STATUTES.



HANDICAP PARKING LOGO

N.T.S.

NOTE:  
AT HANDICAP PARKING SPACES PROVIDE 4" WIDE BLUE STRIPES 2" INSIDE AND 4" WIDE WHITE PARKING SPACE STRIPES AT EA. SIDE OF H.C. SPACE TYP.

P:\Projects\18-0072.001\_WSPP - Northside Park Improvements\CADD\Production Drawings\C4.00 - CONSTRUCTION DETAILS.dwg PLOT DATE: 1/21/2019 1:12 PM BY: MAF



# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648



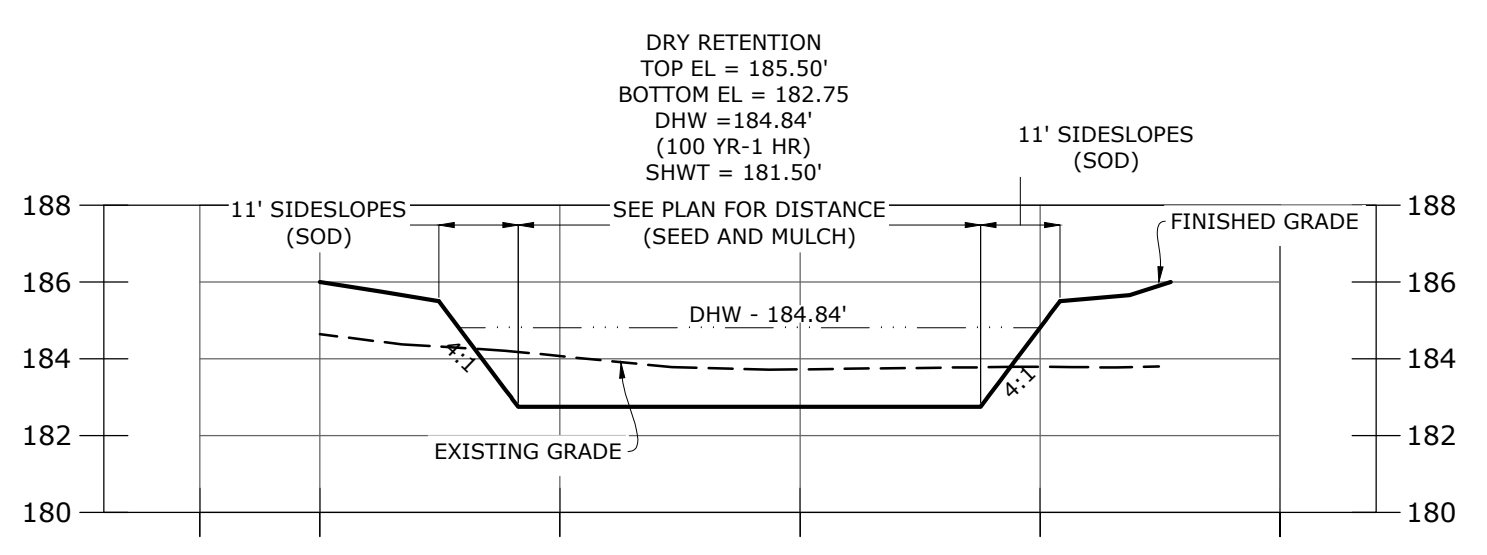
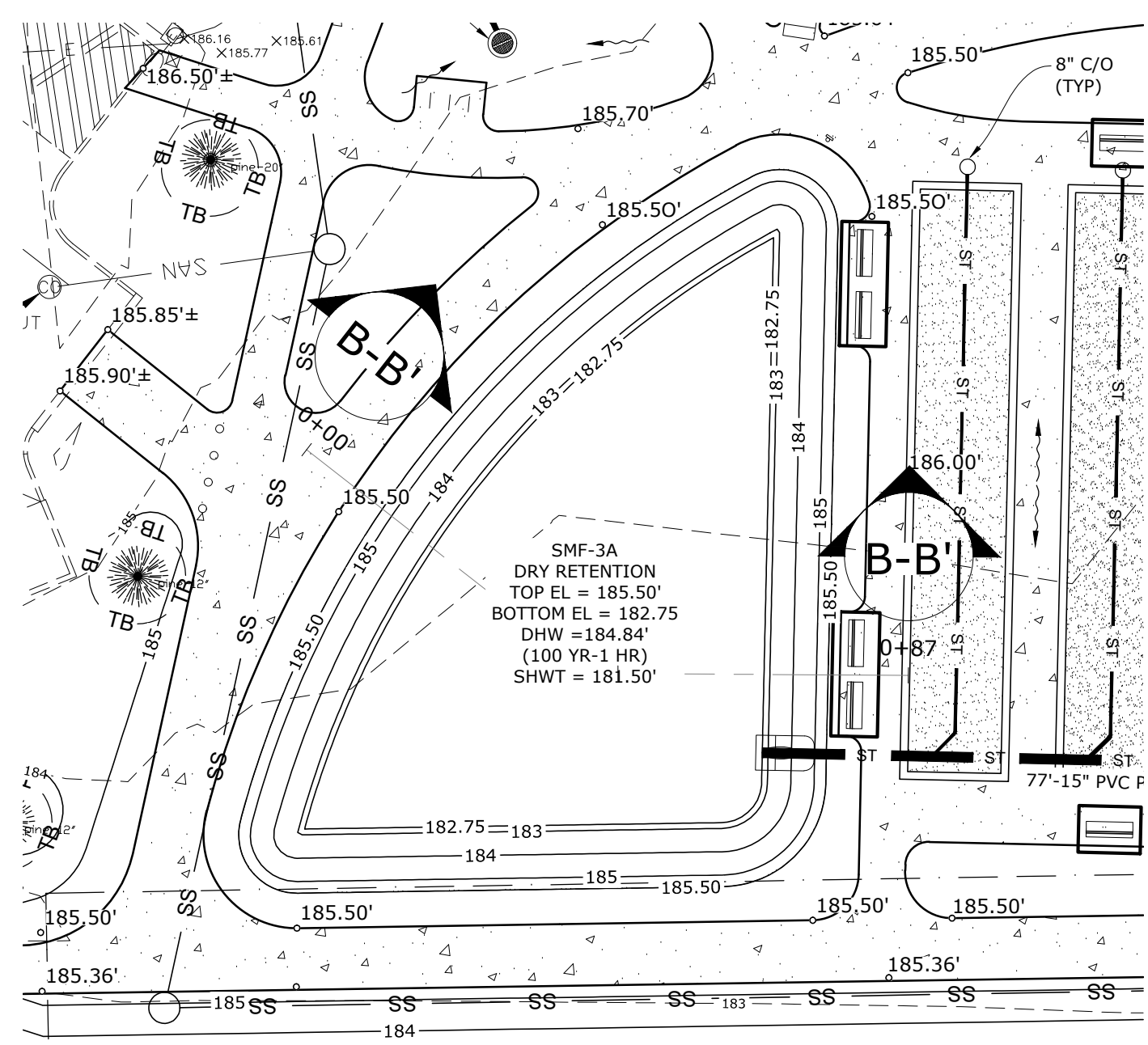
Manley Design, LLC  
Landscape Architecture • Site Planning  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



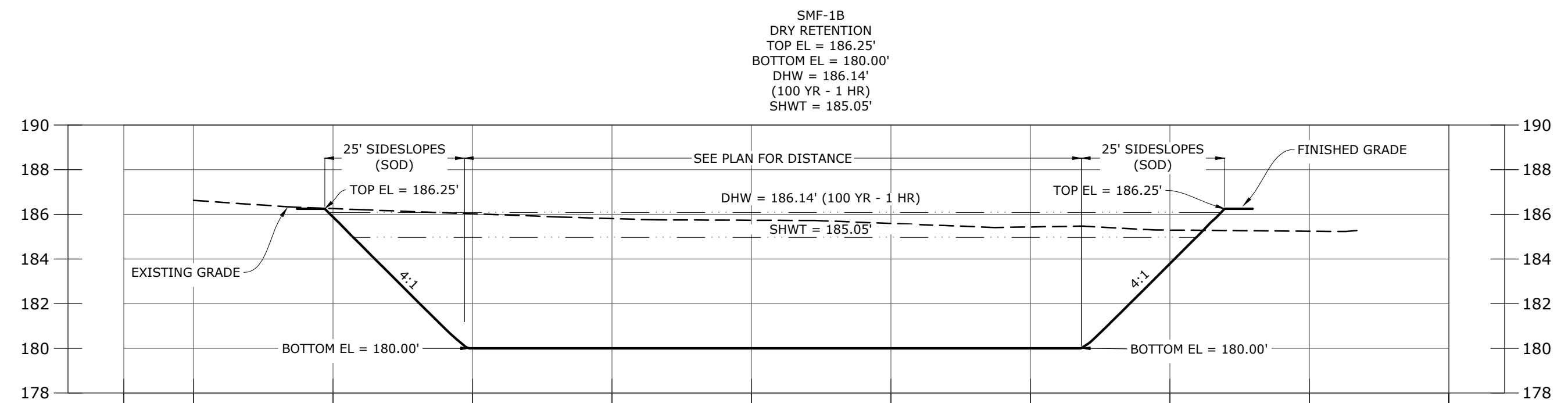
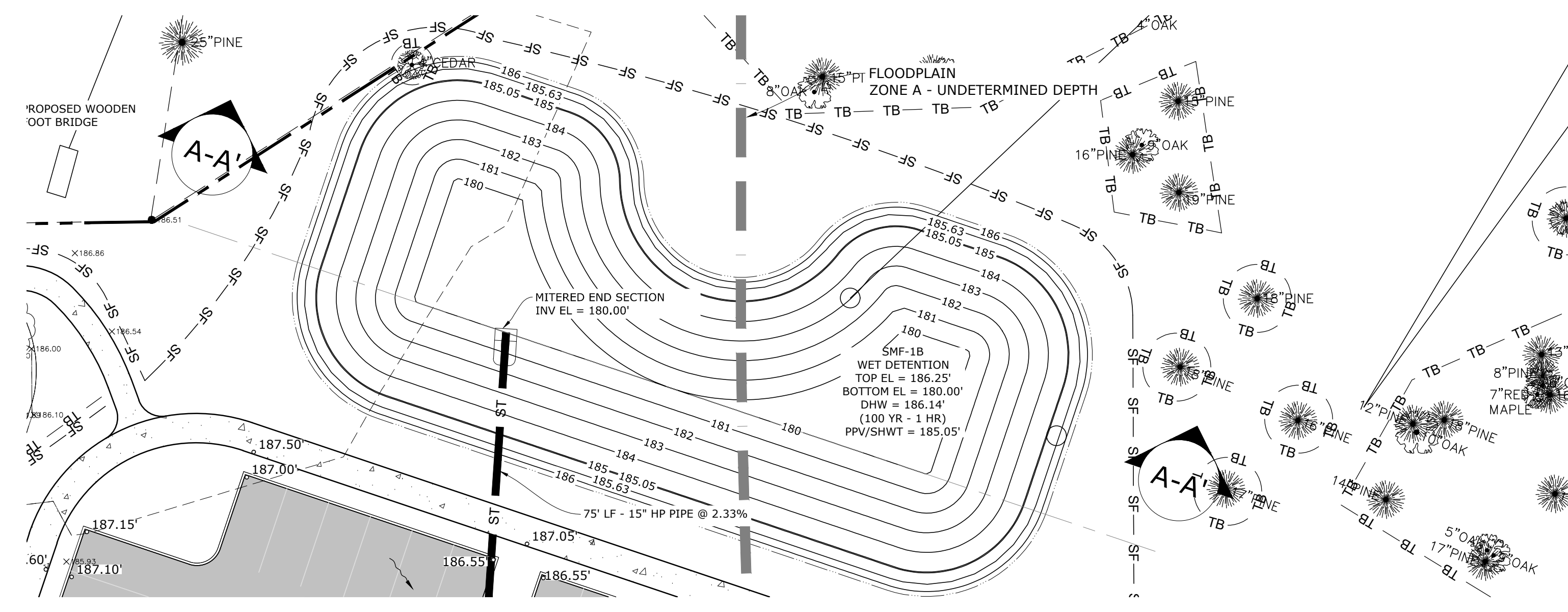
Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



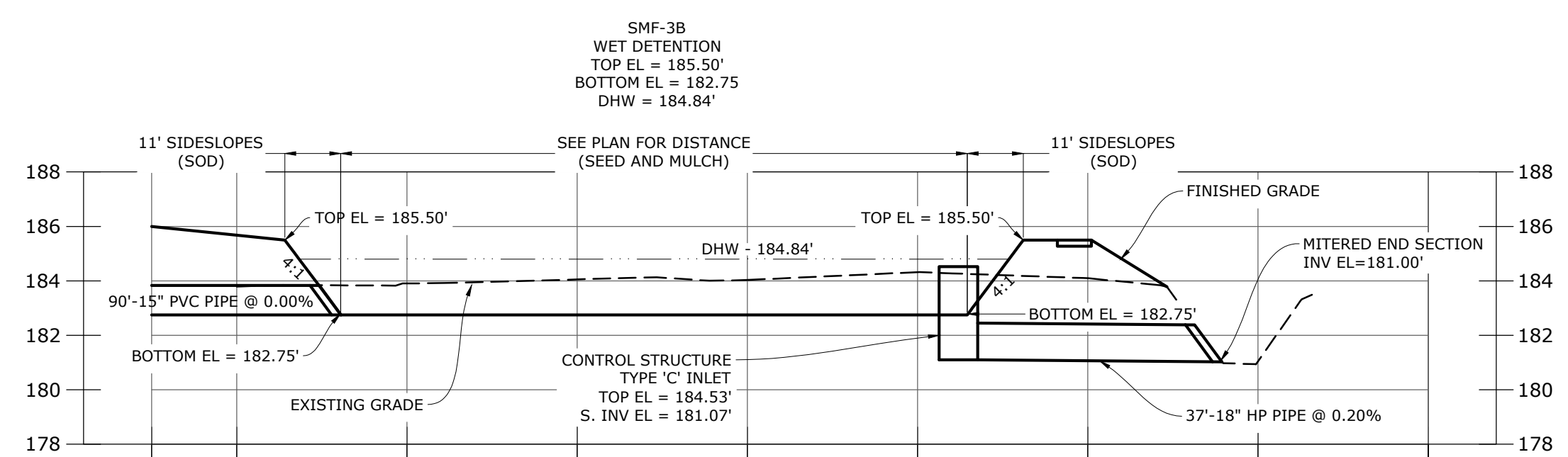
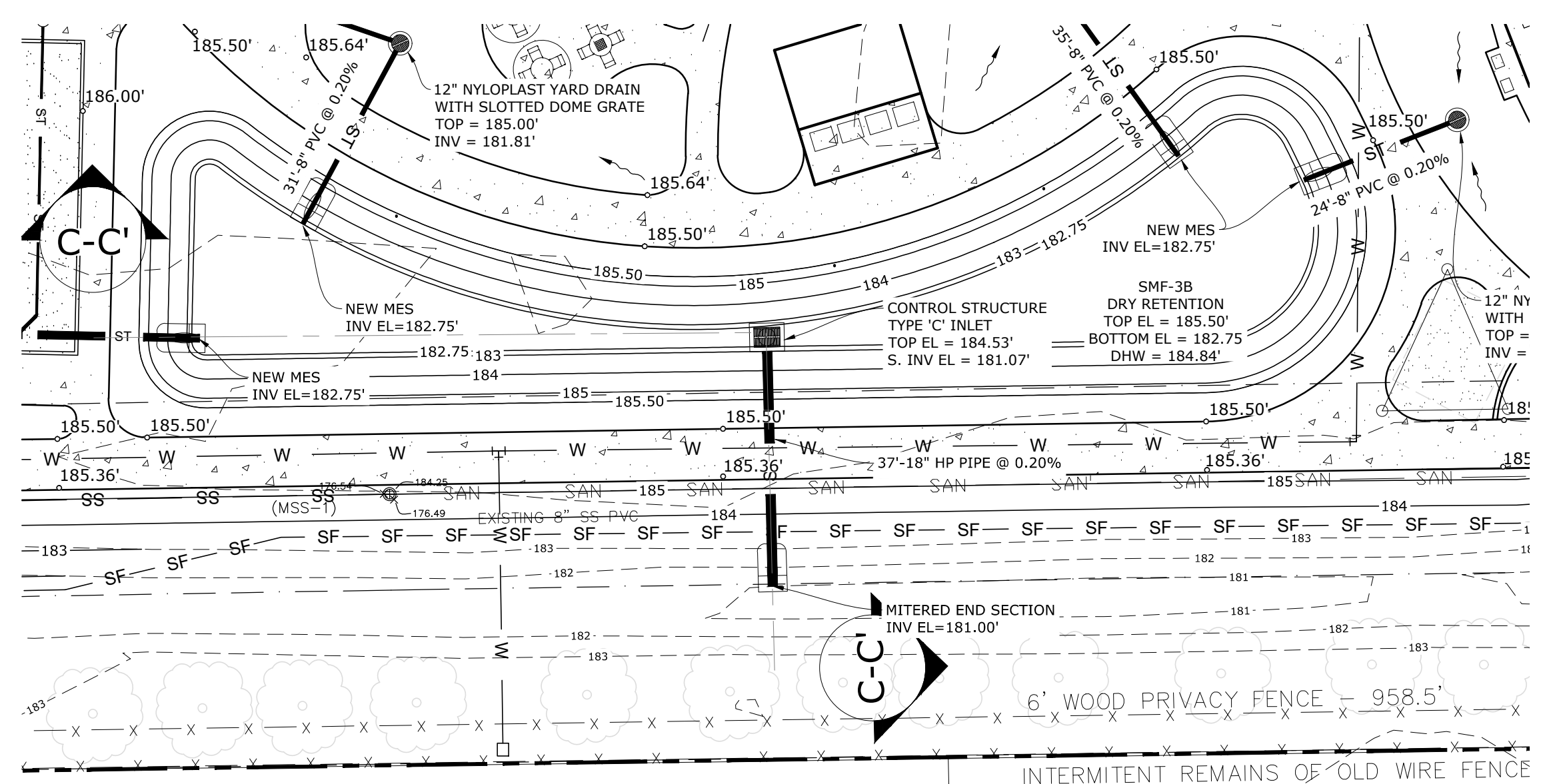
Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855



DATUM: 180.00'  
PROFILE VIEW - B-B'



DATUM: 178.00'  
PROFILE VIEW - A-A'



DATUM: 178.00'  
PROFILE VIEW - C-C'

SEAL:

DAVID SOWELL, P.E. 68531

PROJECT NO: 18-0072.001  
CLIENTS NO:  
ISSUED FOR: CLIENT REVIEW & PERMITTING  
ISSUED DATE: JANUARY 2019  
REVISIONS:

SCALE:  
AS SHOWN

SHEET TITLE:  
CONSTRUCTION DETAILS

SHEET NUMBER:  
C4.01

P:\Projects\18-0072.001\_WSPP - Northside Park Improvements\CADD\Production Drawings\C4.01 - CONSTRUCTION DETAILS.dwg PLOT DATE: 1/21/2019 1:12 PM BY: MAF

# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



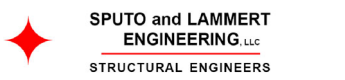
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

## MANLEY DESIGN

Landscape Architecture • Site Planning  
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



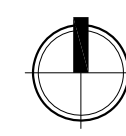
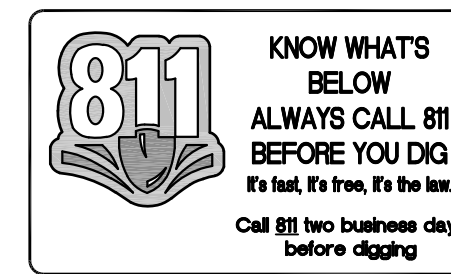
Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

## HARDSCAPE NOTES

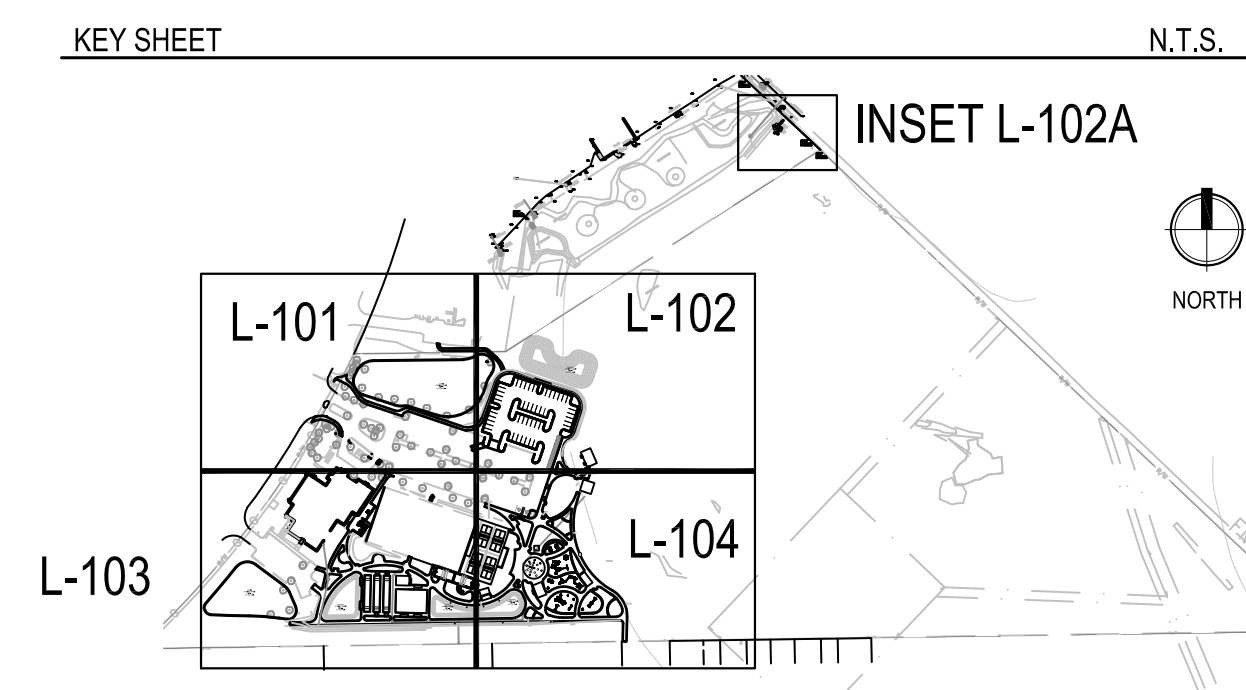
1. LOCATE ALL EXISTING UTILITIES PRIOR TO DEMOLITION ACTIVITIES. OBTAIN A UF DIG PERMIT- CONTACT: (352) 392-5781. CALL SUNSHINE STATE ONE CALL- CONTACT: 811. CALL A MINIMUM OF ONE WEEK PRIOR TO PROPOSED ACTIVITIES.
2. SEE ELECTRICAL, ARCHITECTURAL, AND MEP PLANS FOR PROPOSED CONDUIT LOCATIONS. INSTALL PRIOR TO HARDSCAPE CONSTRUCTION. INSTALL IRRIGATION SLEEVING AS REQUIRED PRIOR TO HARDSCAPE CONSTRUCTION.
3. HARDSCAPE TO BE FLAGGED IN THE FIELD FOR REVIEW AND APPROVAL BY OWNER REPRESENTATIVE AND LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. INDICATE PROPOSED VERTICAL LAYOUT INFORMATION ON STAKES. SEE ADJACENT LAYOUT PLAN.
4. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO FABRICATION, DELIVERY, OR INSTALLATION.
5. SLOPES TO NOT EXCEED 5% DIRECTIONAL SLOPE OR 2% CROSS-SLOPE. VERTICAL CHANGE SHALL REMAIN BELOW 1/4" WITHIN PAVED AREAS. ADJACENT HARDSCAPE AREAS TO BE FLUSH, TYPICAL. SEE CIVIL PLANS FOR PROPOSED GRADES AND WALL AND COLUMN ELEVATIONS.
6. DISC GOLF TEES AND TARGETS TO BE LAID OUT IN THE FIELD AS PER DIRECTION FROM THE OWNER'S REPRESENTATIVE AS COORDINATED WITH USER GROUPS. COORDINATE MEETING WITH OWNER'S REPRESENTATIVE TO FLAG LOCATIONS. ALL TEES AND TARGETS WILL BE REPLACED. SALVAGE EXISTING TARGETS AND SIGNS.
7. CLEAN AND/OR PRESSURE-WASH, IF APPROVED BY OWNER, EXISTING IMPROVEMENTS AND PAVING TO REMAIN.

## LAYOUT NOTES

1. SEE LAYOUT PLANS WITHIN CIVIL DRAWINGS.
2. DIGITAL FILE AVAILABLE FROM LANDSCAPE ARCHITECT FOR THE PURPOSES OF LAYOUT.
3. VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION. NOTIFY OWNER'S REPRESENTATIVE IN THE CASE OF A DISCREPANCY.
4. HARDSCAPE EDGES, COURT LOCATIONS, AND PLAY EQUIPMENT TO BE FLAGGED IN THE FIELD FOR REVIEW AND APPROVAL BY OWNER REPRESENTATIVE AND LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. INDICATE PROPOSED VERTICAL LAYOUT INFORMATION ON STAKES. DIGITAL FILE AVAILABLE FROM LANDSCAPE ARCHITECT FOR THE PURPOSES OF LAYOUT. ITEMS AND EDGES TO ALIGN UNLESS OTHERWISE SHOWN.



NORTH



MATCHLINE SHEET L-101

MATCHLINE SHEET L-103

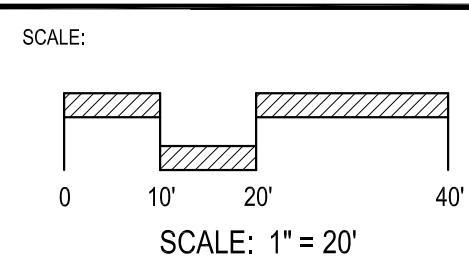
MATCHLINE SHEET L-101

MATCHLINE SHEET L-102

SEAL:

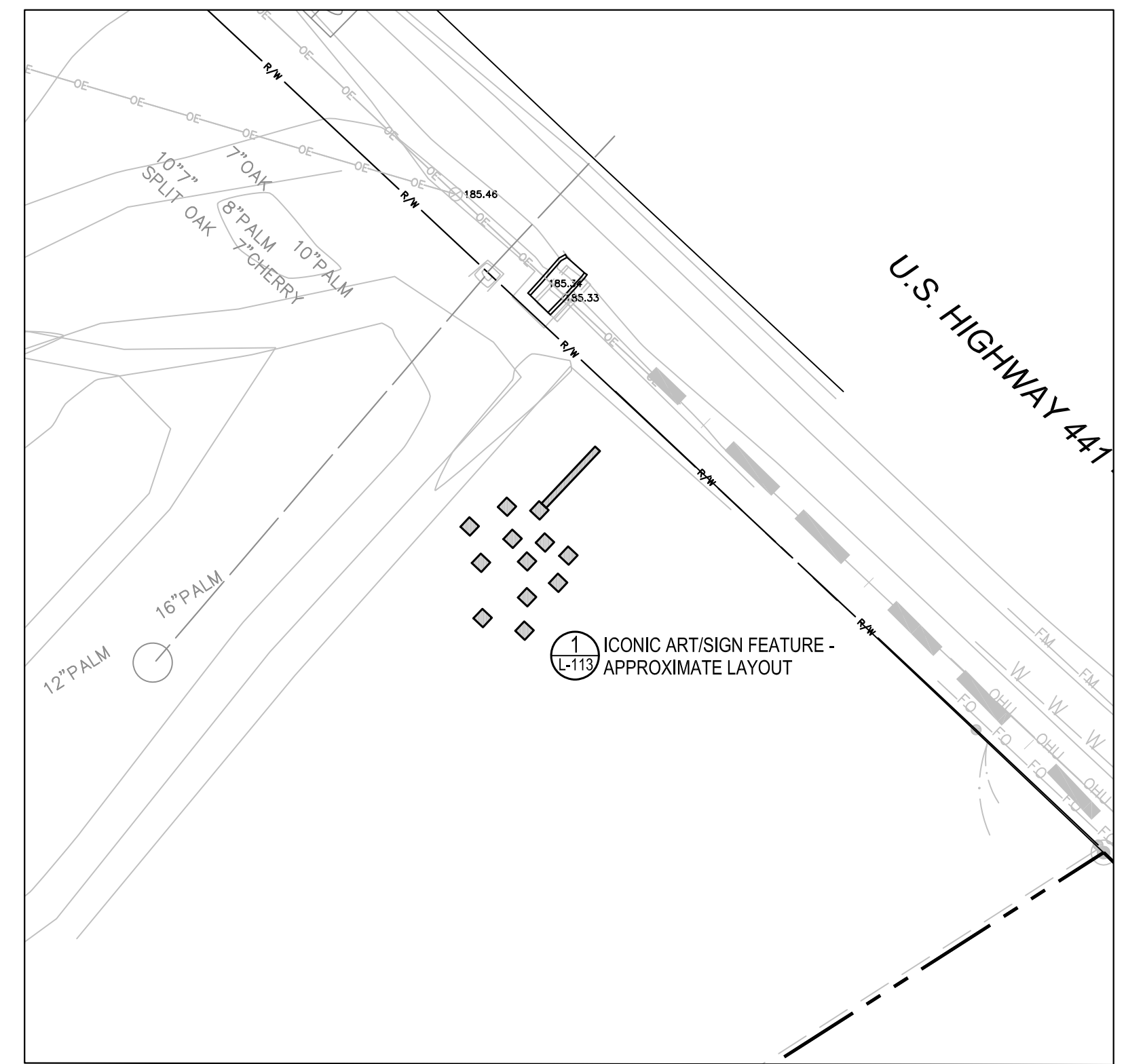
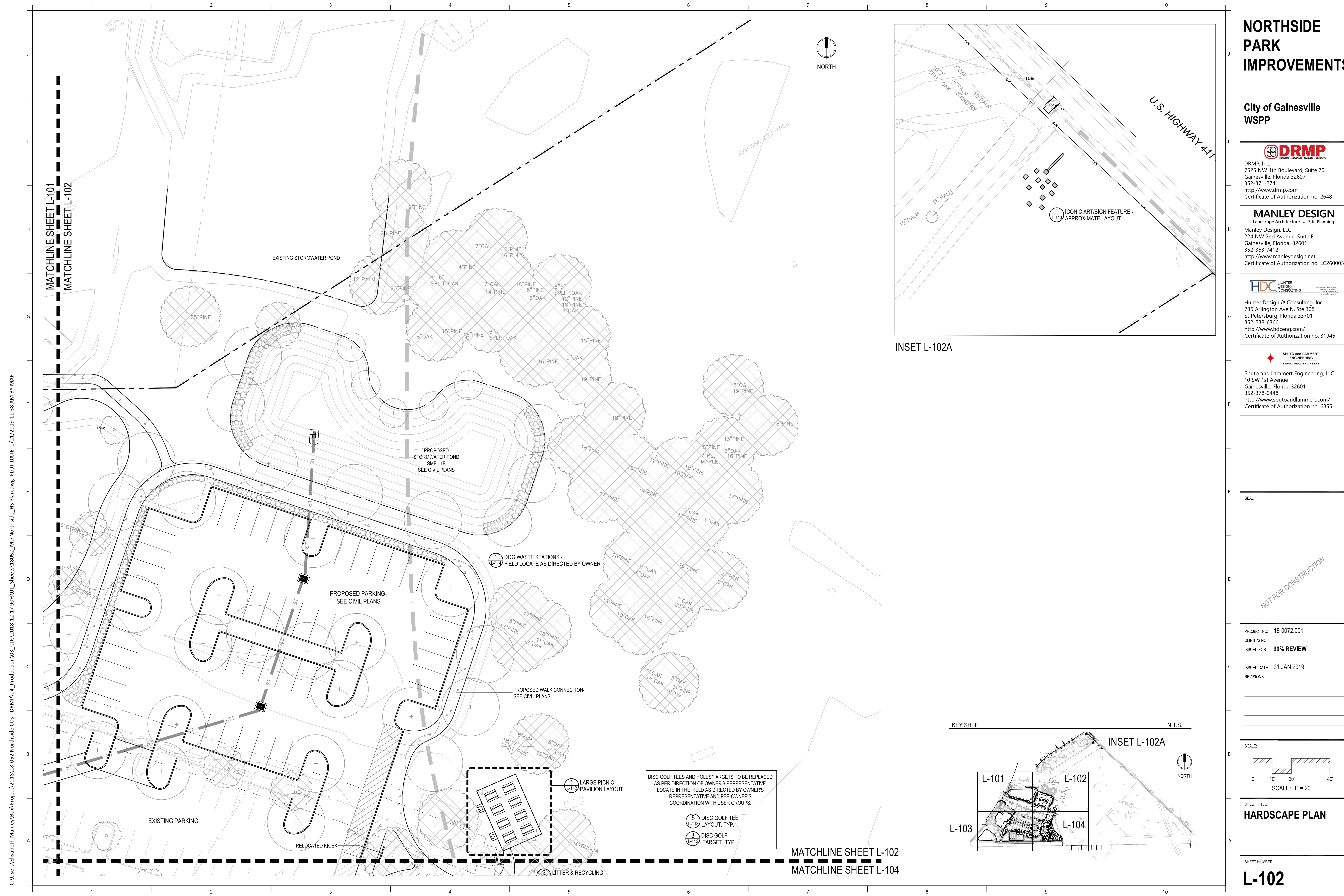
NOT FOR CONSTRUCTION

PROJECT NO: 18-0072.001  
CLIENT'S NO:  
ISSUED FOR: 90% REVIEW  
ISSUED DATE: 21 JAN 2019  
REVISIONS:



SHEET TITLE:  
**HARDSCAPE PLAN AND NOTES**

SHEET NUMBER:  
**L-101**



INSET L-102A

# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP

**DRMP**  
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

**MANLEY DESIGN**  
Landscape Architecture • Site Planning  
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575

**HDC** HUNTER DESIGN CONSULTING  
Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946

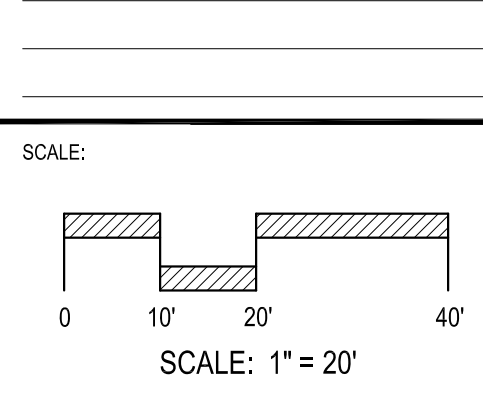
**SPTO and LAMMERT ENGINEERING**  
Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SEAL:

NOT FOR CONSTRUCTION

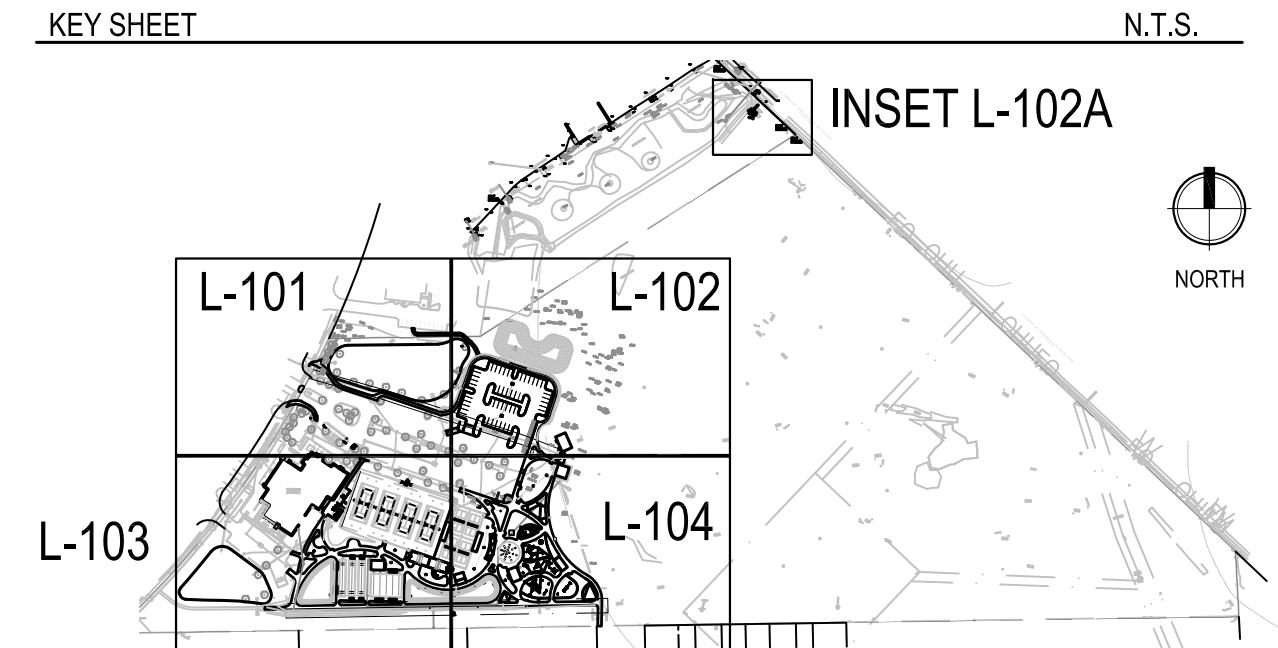
PROJECT NO: 18-0072.001  
CLIENT'S NO:  
ISSUED FOR: 90% REVIEW

ISSUED DATE: 21 JAN 2019  
REVISIONS:



SHEET TITLE:  
**HARDSCAPE PLAN**

SHEET NUMBER:  
**L-102**



DISC GOLF TEES AND HOLES/TARGETS TO BE REPLACED AS PER DIRECTION OF OWNER'S REPRESENTATIVE. LOCATE IN THE FIELD AS DIRECTED BY OWNER'S REPRESENTATIVE AND PER OWNER'S COORDINATION WITH USER GROUPS.

- 5 DISC GOLF TEE LAYOUT, TYP.
- 3 DISC GOLF TARGET, TYP.

C:\Users\Elisabeth Manley\Box\Project\2018\18-052 Northside CDs - DRMP\04\_Production\03\_CDs\2018-12-17 90%\01\_Sheets\18052\_MD Northside\_HS Plan.dwg PLOT DATE 1/21/2019 11:38 AM BY MAF

# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



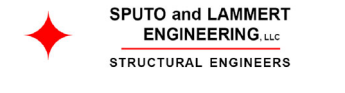
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

## MANLEY DESIGN

Landscape Architecture • Site Planning  
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946

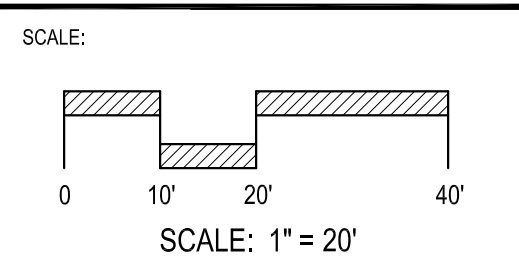


Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SEAL:

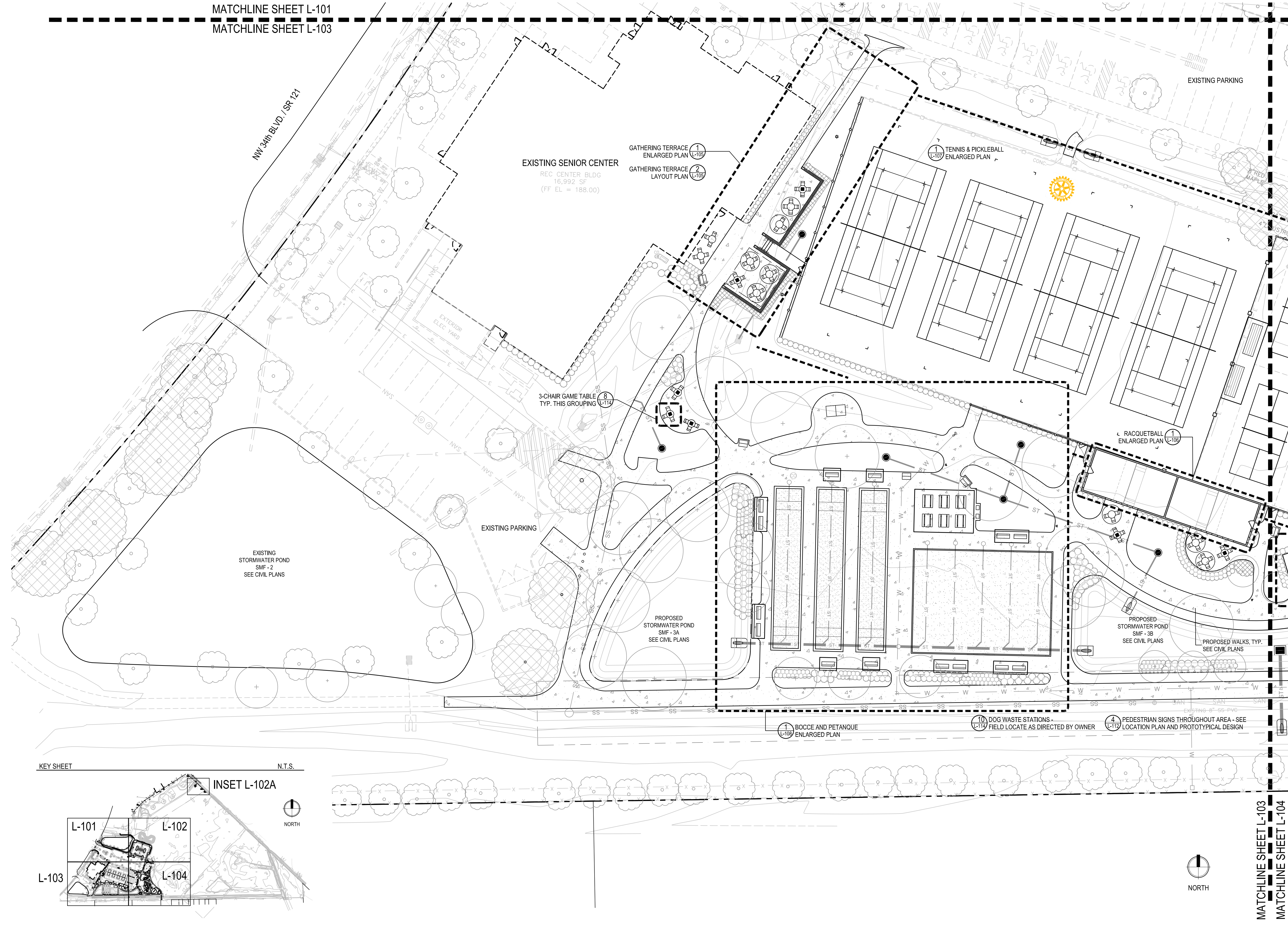
PROJECT NO: 18-0072.001  
CLIENT'S NO:  
ISSUED FOR: 90% REVIEW

ISSUED DATE: 21 JAN 2019  
REVISIONS:



SHEET TITLE:  
**HARDSCAPE PLAN**

SHEET NUMBER:  
**L-103**



C:\Users\Elisabeth Manley\Box\Project\2018\18-052 Northside CDs - DRMP\04\_Production\03\_CDs\2018-12-17 90% 01\_Sheets\18052\_MD Northside\_HS Plan.dwg PLOT DATE 1/21/2019 11:40 AM BY MAF

# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



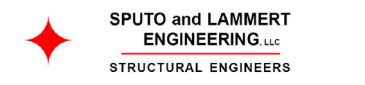
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

## MANLEY DESIGN

Landscape Architecture • Site Planning  
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



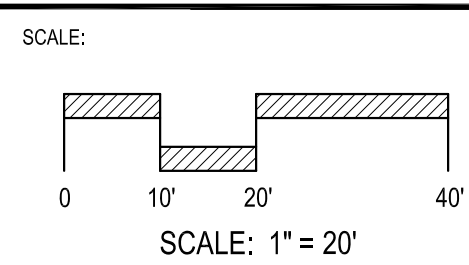
Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SEAL:

NOT FOR CONSTRUCTION

PROJECT NO: 18-0072.001  
CLIENT'S NO:  
ISSUED FOR: 90% REVIEW

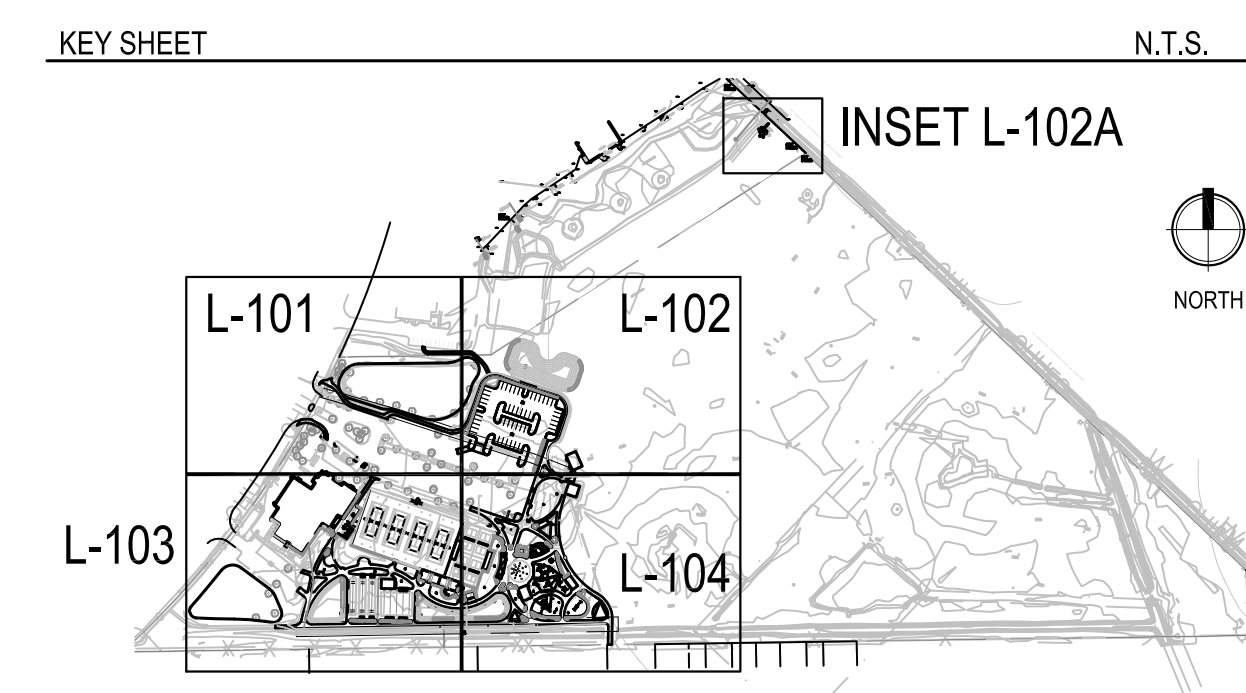
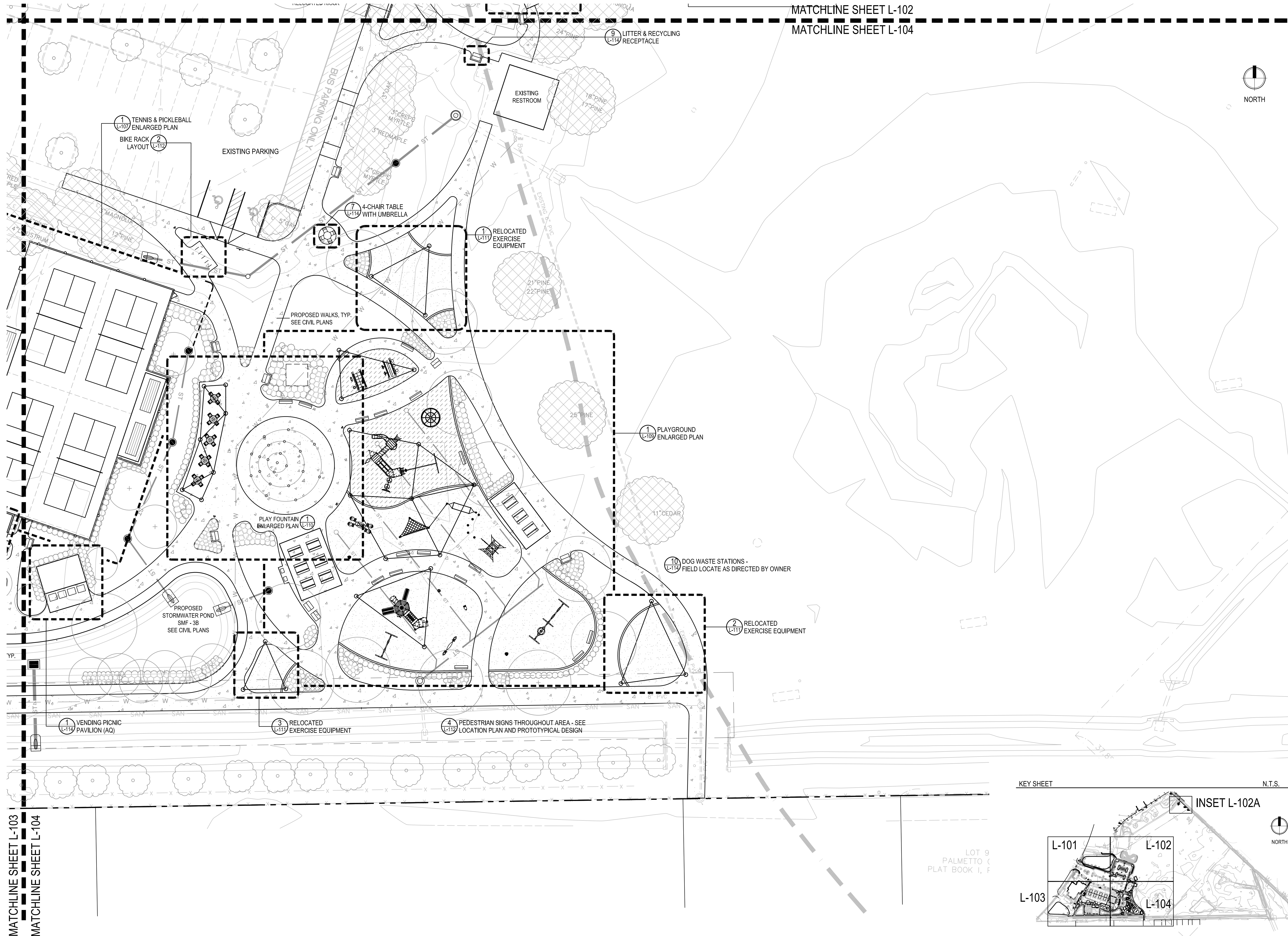
ISSUED DATE: 21 JAN 2019  
REVISIONS:



SHEET TITLE:  
**HARDSCAPE PLAN**

SHEET NUMBER:  
**L-104**

MATCHLINE SHEET L-102  
MATCHLINE SHEET L-104



C:\Users\Elisabeth Manley\Box\Project\2018\18-052 Northside CDs - DRMP\04\_Production\03\_Cds\2018-12-17 90%\01\_Sheets\18052\_MD Northside\_HS Plan.dwg PLOT DATE 1/21/2019 11:45 AM BY MAF

# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



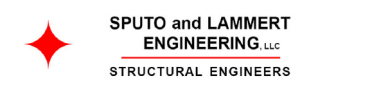
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

## MANLEY DESIGN

Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SCALE:

NOT FOR CONSTRUCTION

PROJECT NO: 18-0072.001  
CLIENT'S NO:  
ISSUED FOR: 90% REVIEW  
ISSUED DATE: 21 JAN 2019  
REVISIONS:

SCALE:

AS SHOWN

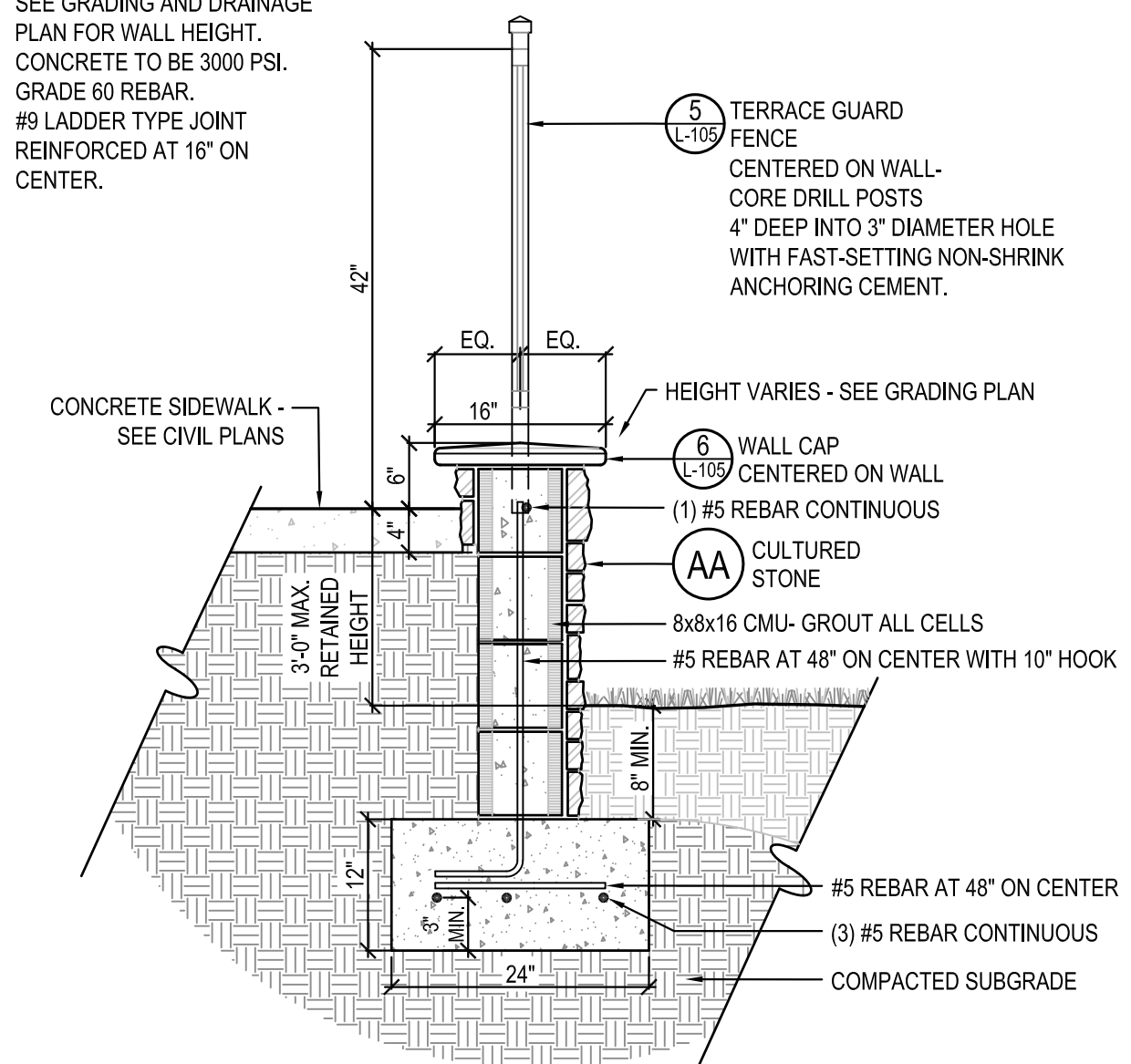
SHEET TITLE:  
**HARDSCAPE DETAILS**

SHEET NUMBER:

**L-105**

NOTE:

- SEE GRADING AND DRAINAGE PLAN FOR WALL HEIGHT.
- CONCRETE TO BE 3000 PSI.
- GRADE 60 REBAR.
- #9 LADDER TYPE JOINT REINFORCED AT 16" ON CENTER.

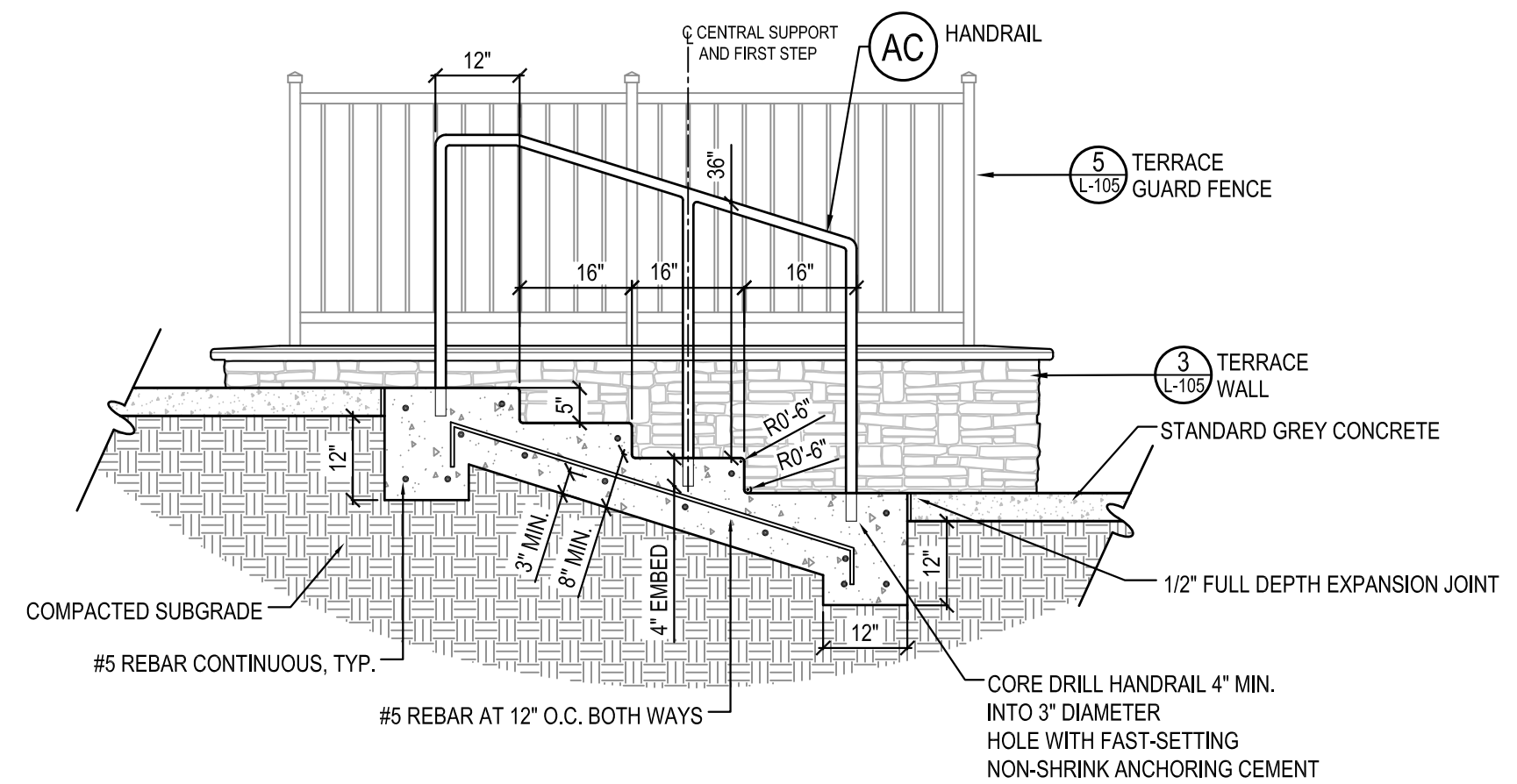


**3 TERRACE WALL SECTION**

SCALE: 3/4" = 1'-0"

NOTE:

- STAIRS CENTERED ON NORTHERN WALL, TYP.
- CONCRETE TO BE 3000 PSI.
- HANDRAIL CLEARANCE FROM ADJACENT WALLS TO BE 1 1/2" MIN.

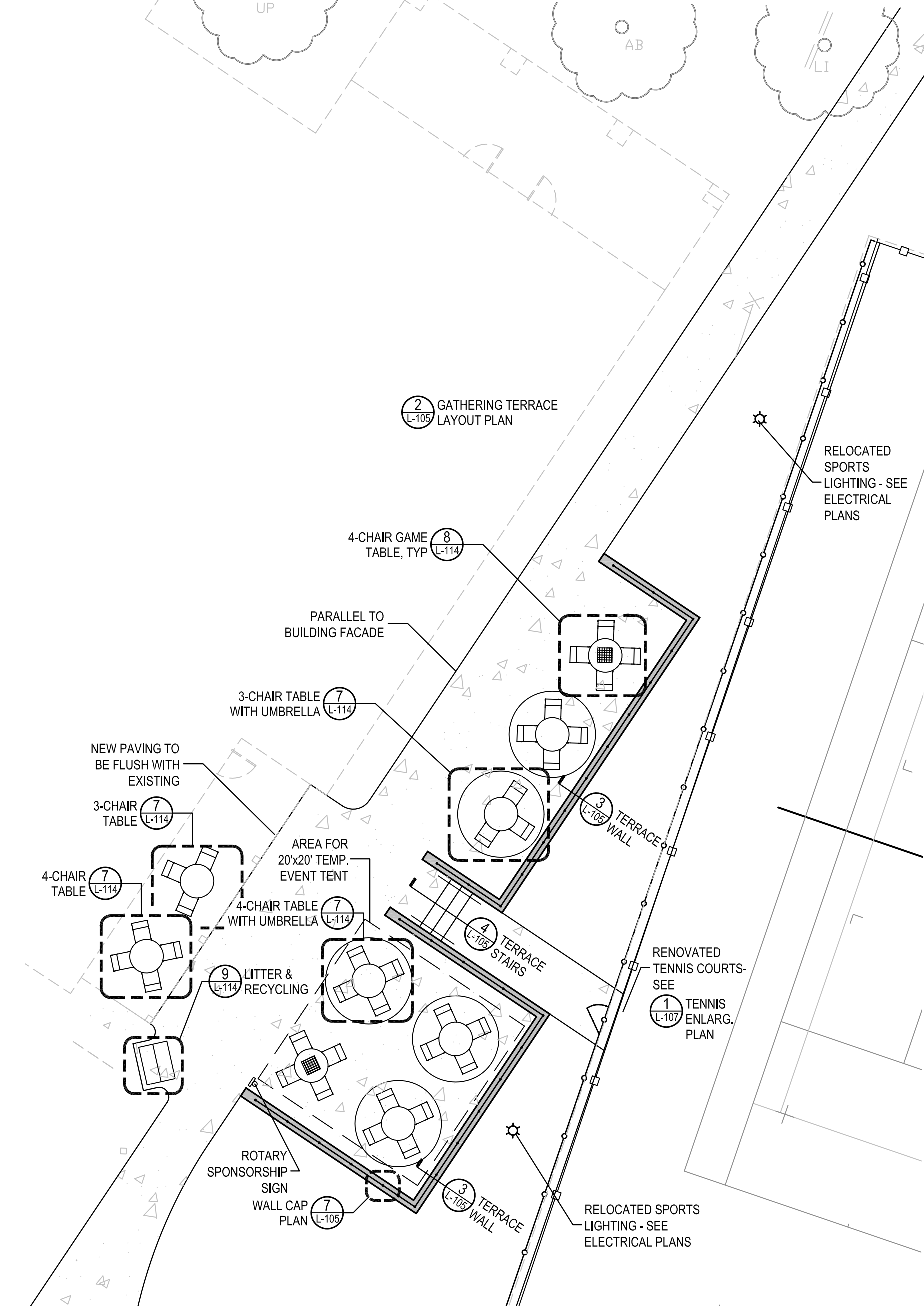


**4 TERRACE STAIRS**

SCALE: 1/2" = 1'-0"

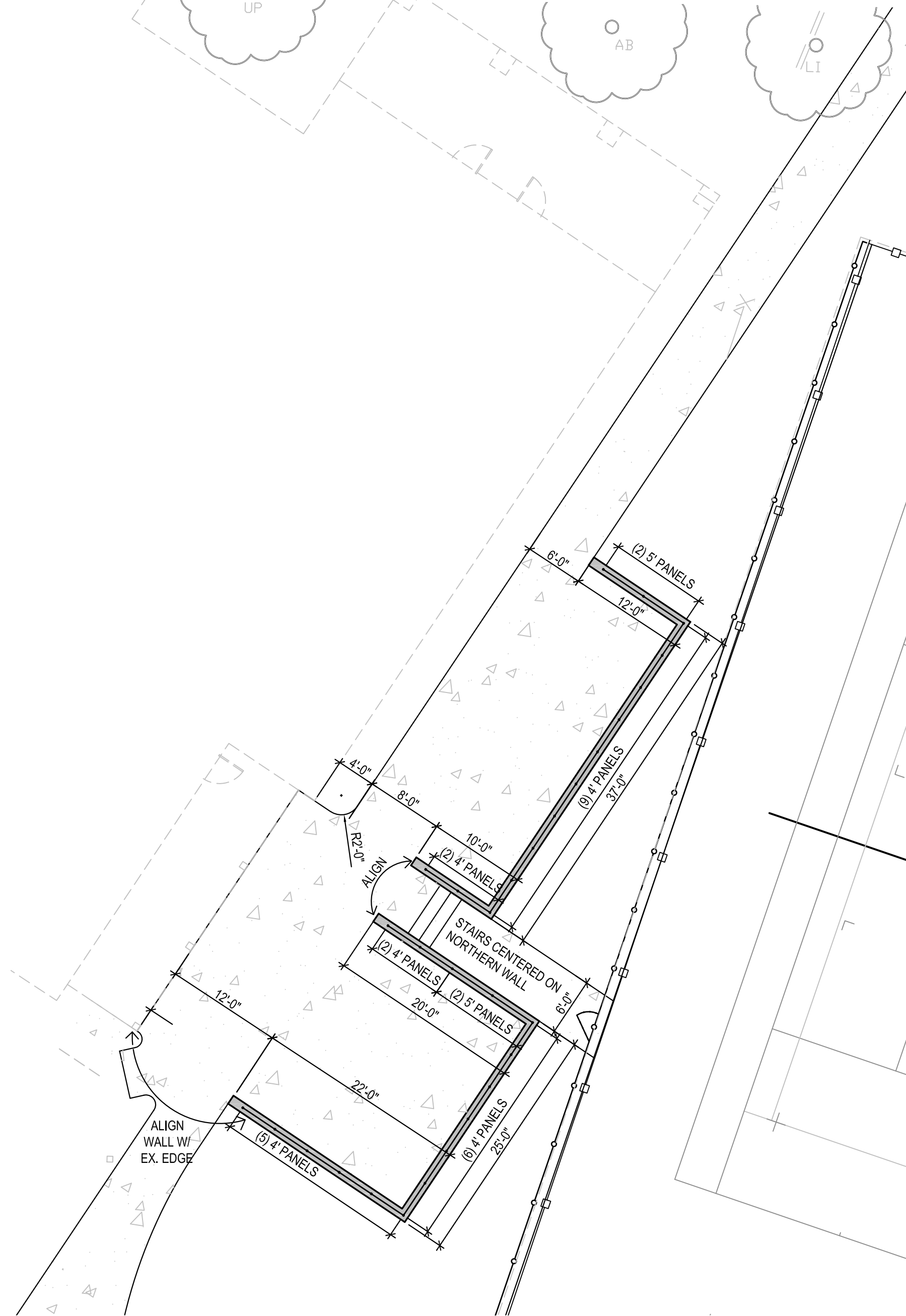
**1 GATHERING TERRACE ENLARGED PLAN**

SCALE: 1" = 10'



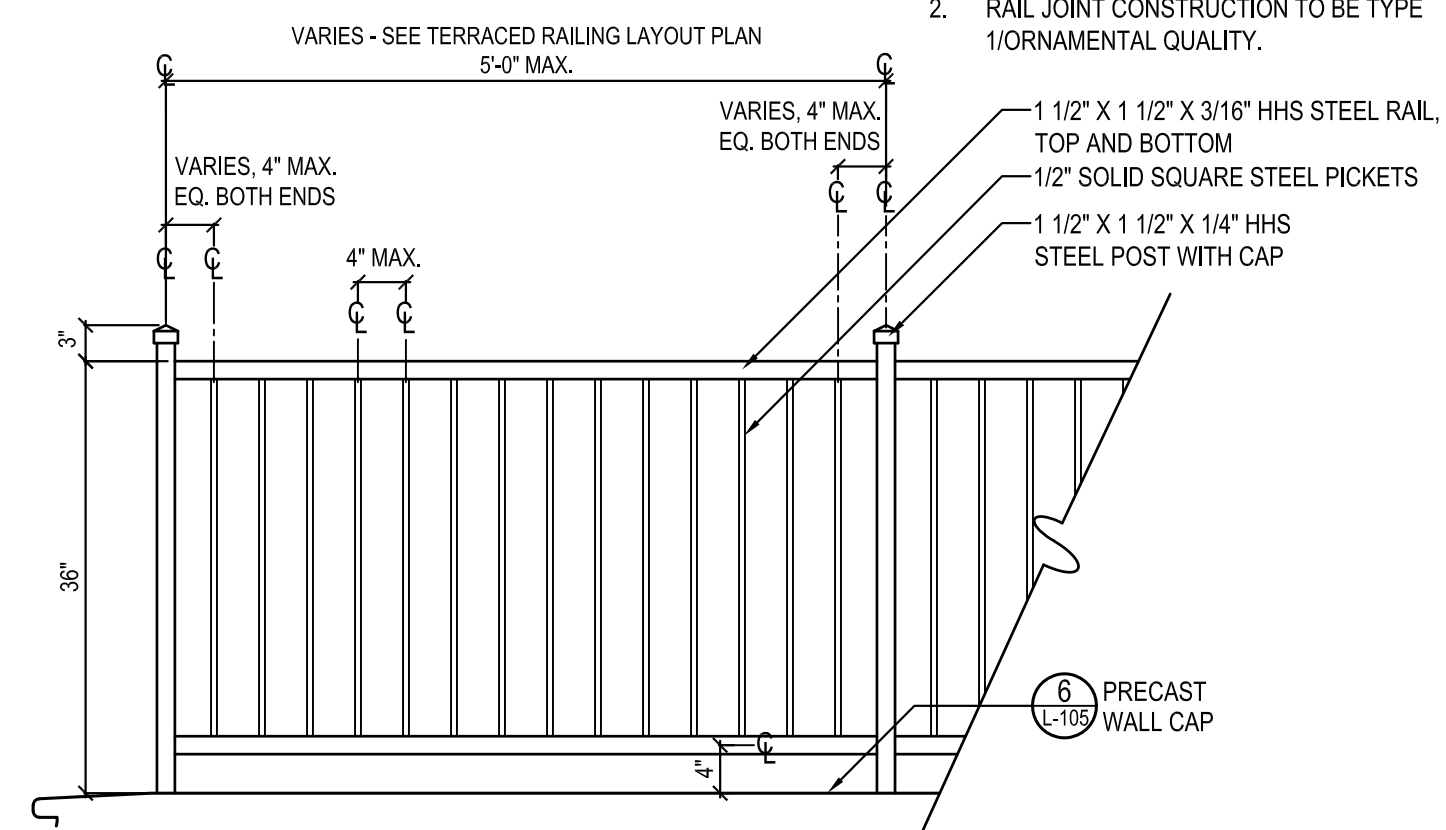
**2 GATHERING TERRACE LAYOUT PLAN**

SCALE: 1" = 10'



NOTE:

- ALL RAILINGS TO BE HOT-DIPPED GALVANIZED AND POWDER-COATED. COLOR TO BE BRONZE TO MATCH EXISTING GUARDRAILS.
- RAIL JOINT CONSTRUCTION TO BE TYPE 1/ORNAMENTAL QUALITY.

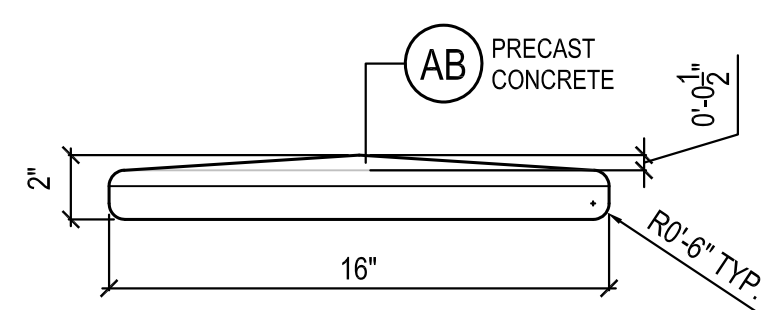


**5 TERRACE GUARD FENCE**

SCALE: 3/4" = 1'-0"

NOTE:

- CENTER CAP ON WALL.
- IF NEEDED, CUT CAP SECTIONS ON EITHER END OF WALL RUN SUCH THAT END PANELS ARE EQUAL AND ARE NO LESS THAN 2'-0".
- DOWEL CAPS INTO POURED CELLS OF WALL AND EPOXY.
- GROUT CAP JOINTS. GROUT COLOR TO MATCH WALL CAP COLOR. CAP SEGMENTS TO BE FLUSH AND ALIGNED.

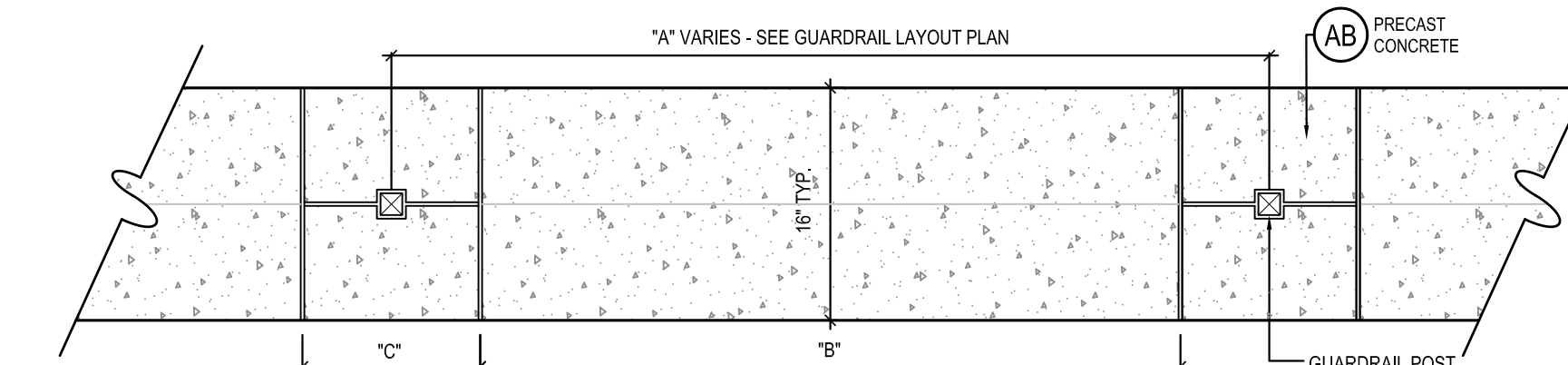


**6 WALL CAP SECTION**

SCALE: 1'-1/2" = 1'-0"

**7 WALL CAP PLAN**

SCALE: 1" = 1'-0"



"A" RAILING POST ON CENTER SPACING	"B" TYPICAL WALL CAP LENGTH	"C" INFILL WALL CAP LENGTH
4'-0"	3'-0"	1'-0"
5'-0"	4'-0"	1'-0"

C:\Users\Elisabeth Manley\Box\Project\2018\18-052 Northside CDs - DRMP\04\_Production\03\_Cds\2018-12-17 90%\_01\_Sheets\18052\_MD Northside\_HS Details 2.dwg PLOT DATE 1/21/2019 11:58 AM BY MAF

# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



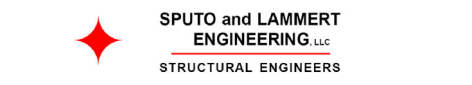
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

## MANLEY DESIGN

Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lamert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlamert.com/  
Certificate of Authorization no. 6855

SEAL:

NOT FOR CONSTRUCTION

PROJECT NO: 18-0072.001  
CLIENT'S NO:  
ISSUED FOR: 90% REVIEW

ISSUED DATE: 21 JAN 2019

REVISIONS:

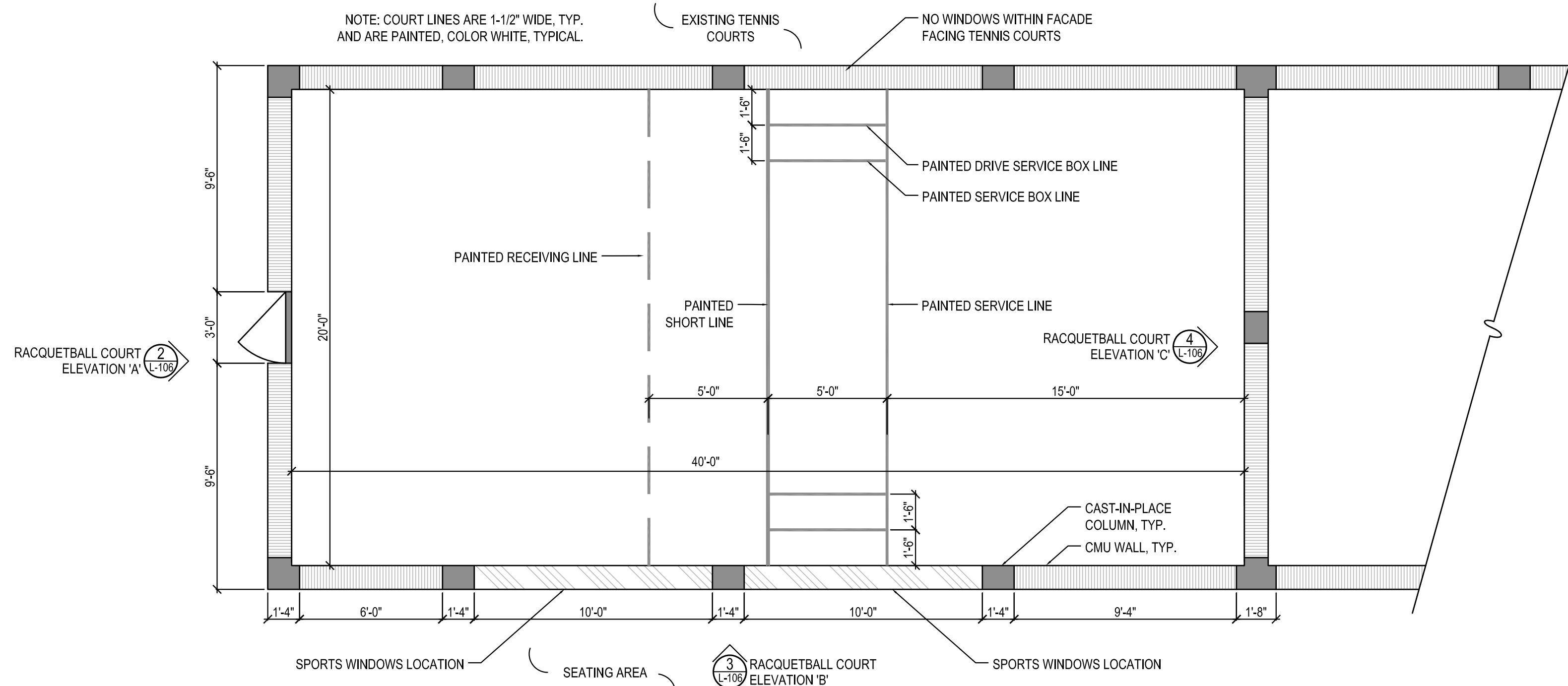
SCALE:

AS SHOWN

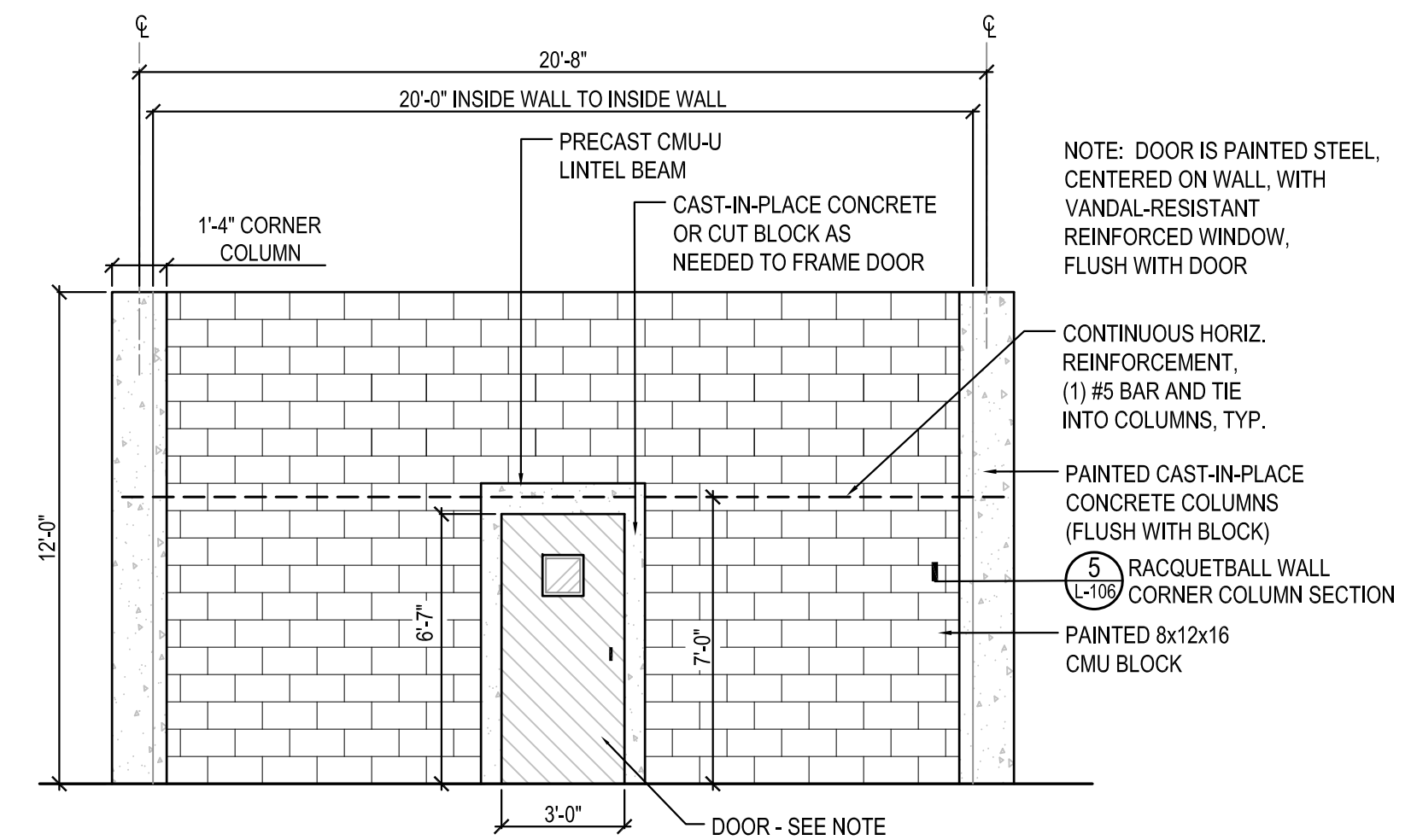
SHEET TITLE:  
**HARDSCAPE DETAILS**

SHEET NUMBER:

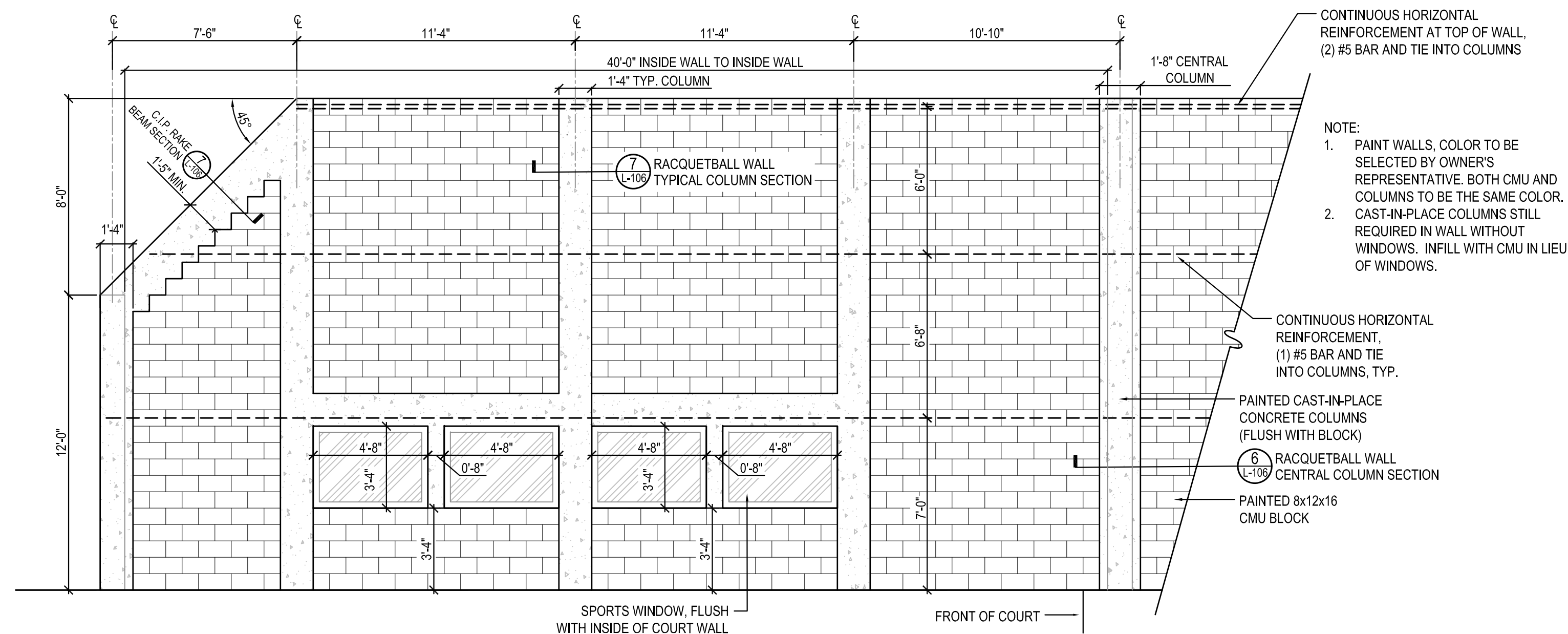
**L-106**



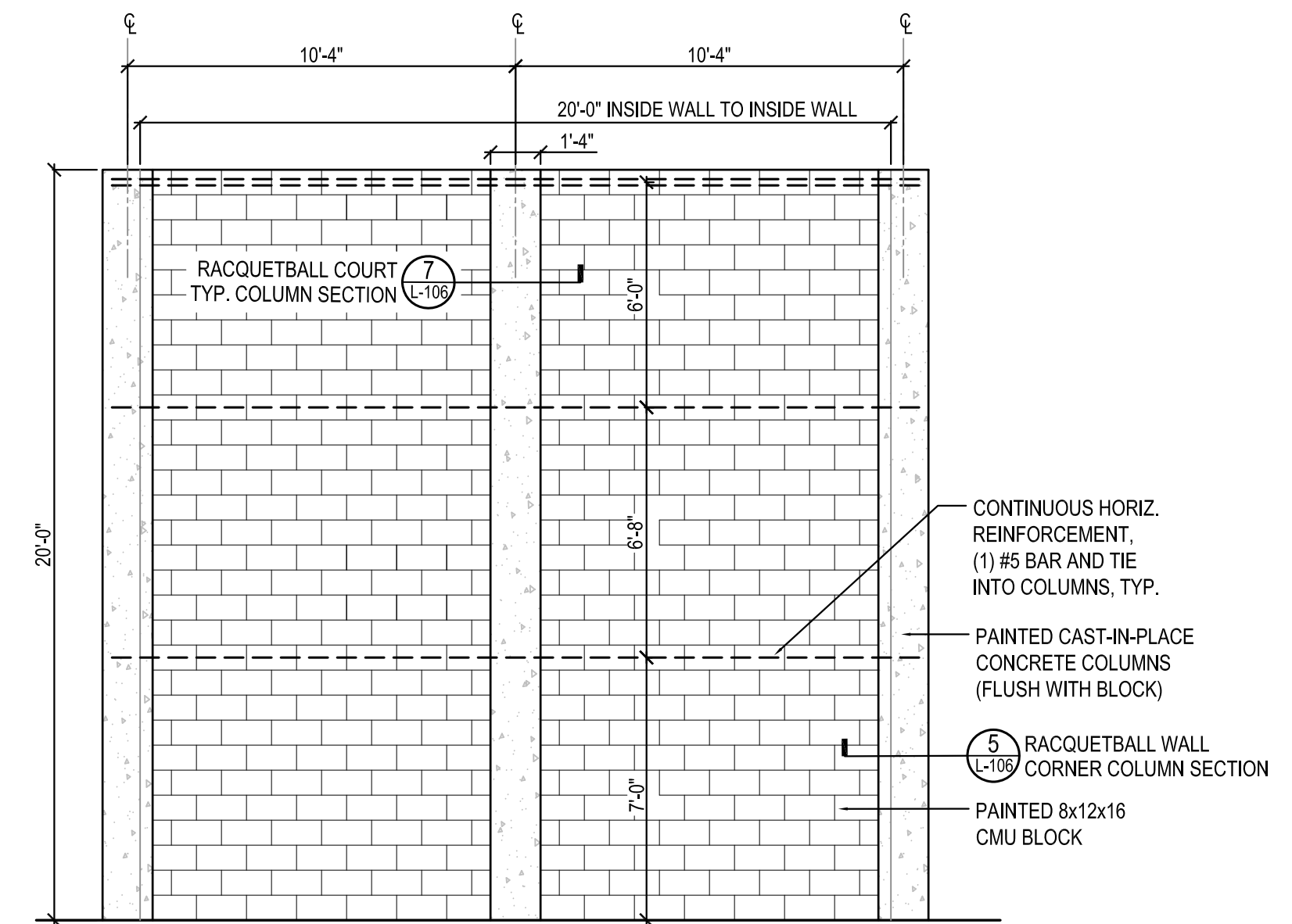
**1 RACQUETBALL COURT ENLARGED PLAN**  
SCALE: 1/4" = 1'-0"



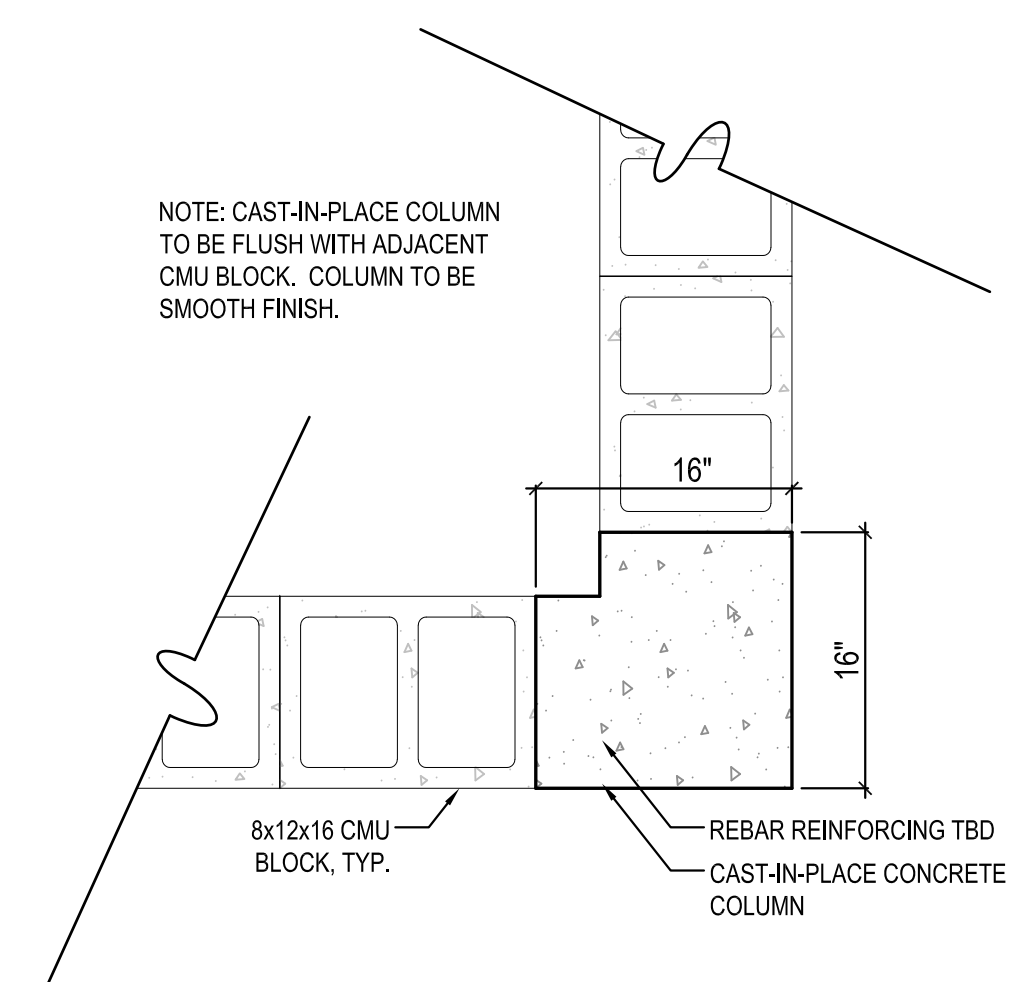
**2 RACQUETBALL COURT ELEVATION 'A'**  
SCALE: 1/4" = 1'-0"



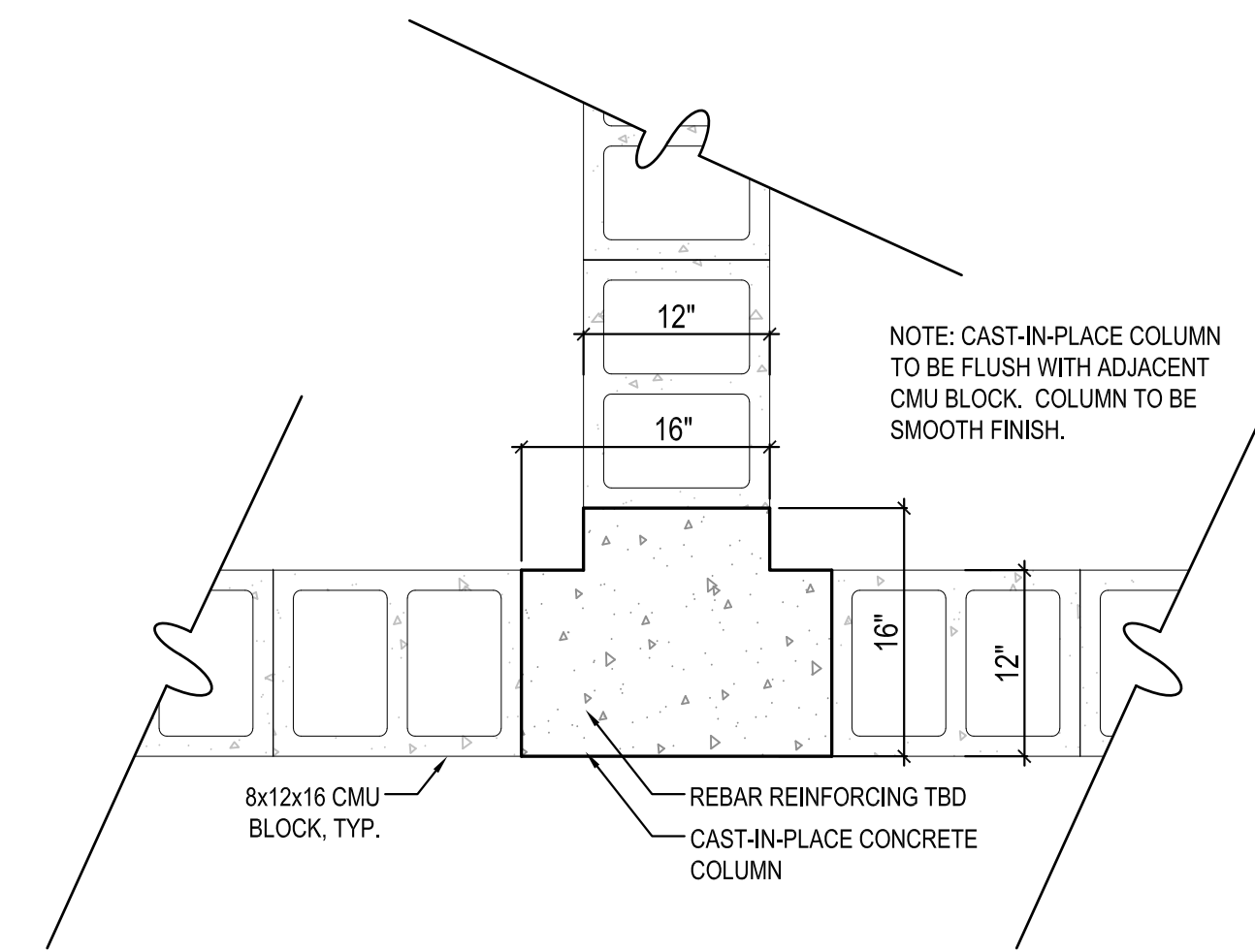
**3 RACQUETBALL COURT ELEVATION 'B'**  
SCALE: 1/4" = 1'-0"



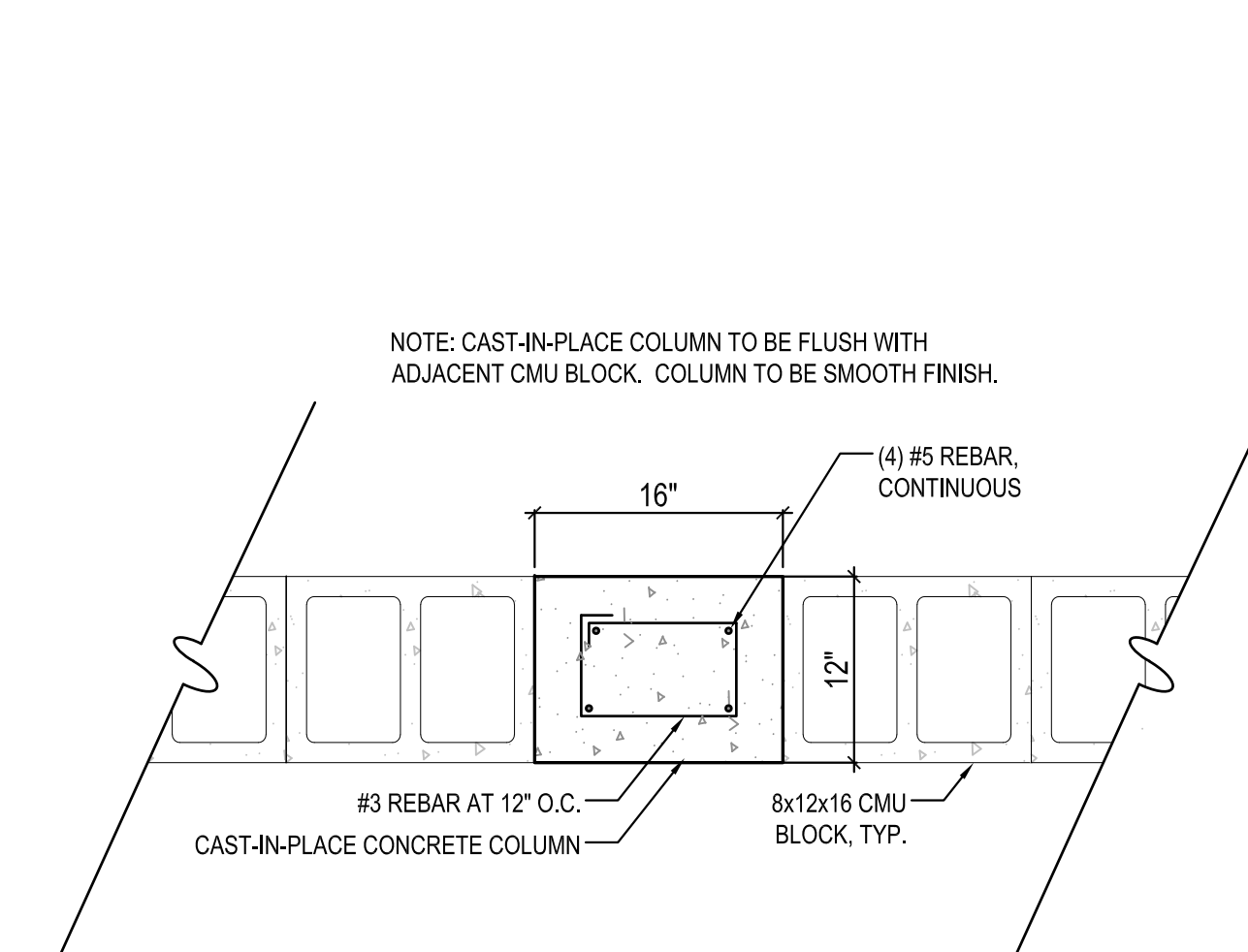
**4 RACQUETBALL COURT ELEVATION 'C'**  
SCALE: 1/4" = 1'-0"



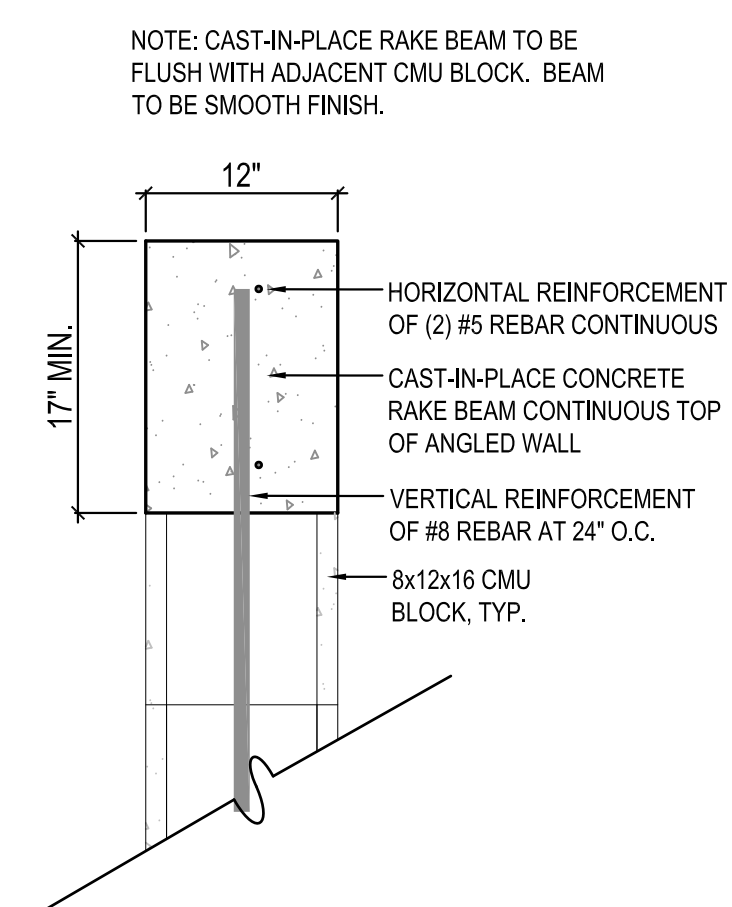
**5 RACQUETBALL WALL CORNER COLUMN SECTION**  
SCALE: 1" = 1'-0"



**6 RACQUETBALL WALL CENTRAL COLUMN SECTION**  
SCALE: 1" = 1'-0"



**7 RACQUETBALL WALL TYPICAL COLUMN SECTION**  
SCALE: 1" = 1'-0"



**8 RACQUETBALL WALL RAKE BEAM SECTION**  
SCALE: 1" = 1'-0"

# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSP



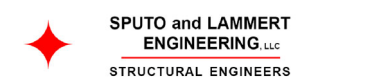
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

## MANLEY DESIGN

Landscape Architecture • Site Planning  
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SEAL:

NOT FOR CONSTRUCTION

PROJECT NO: 18-0072.001  
CLIENTS NO:  
ISSUED FOR: 90% REVIEW

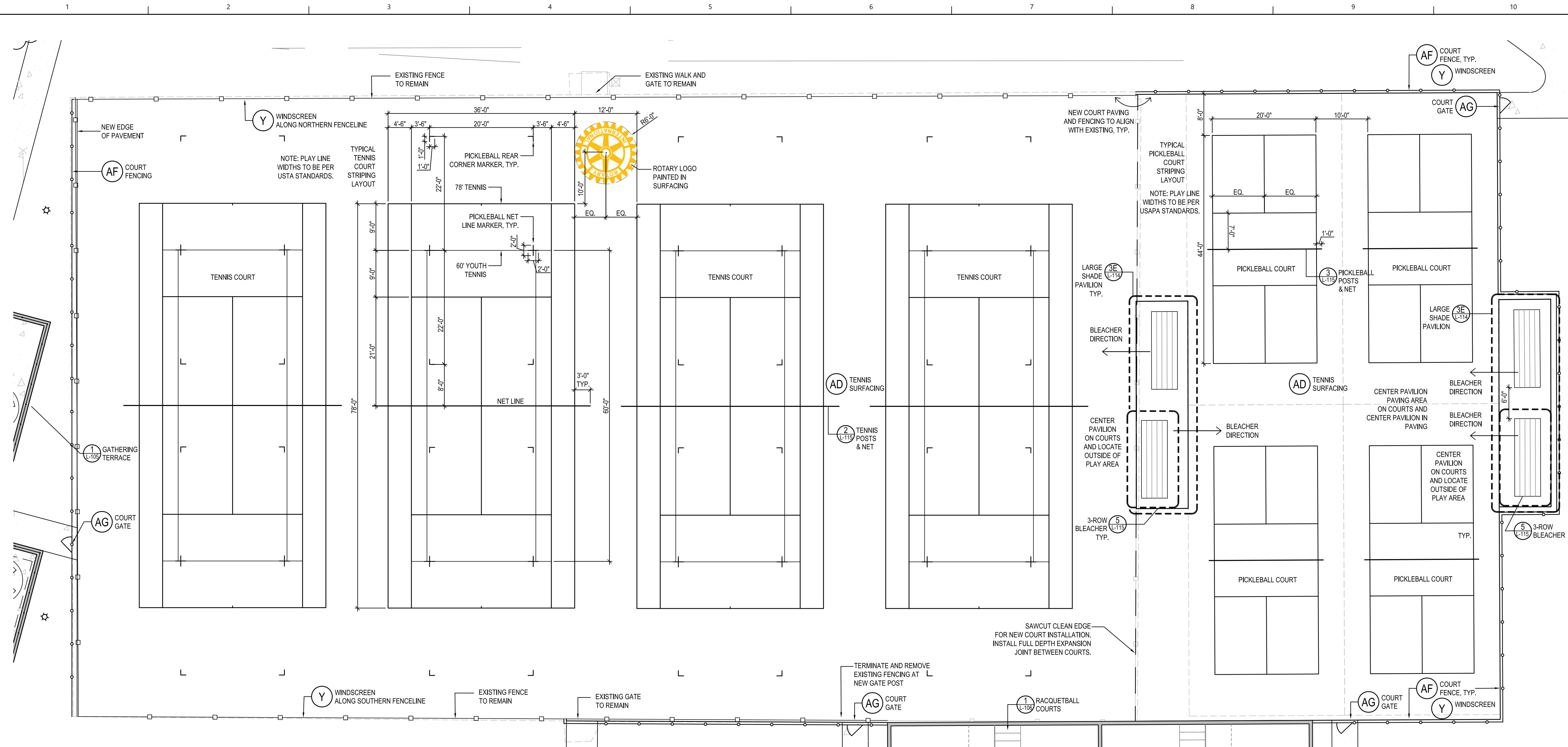
ISSUED DATE: 21 JAN 2019  
REVISIONS:

SCALE:

AS SHOWN

SHEET TITLE:  
**HARDSCAPE DETAILS**

SHEET NUMBER:  
**L-107**



**1** TENNIS AND PICKLEBALL COURT ENLARGED PLAN  
SCALE: 1" = 10'

C:\Users\Elisabeth Manley\Box\Project\2018\18-052 Northside CDs - DRMP\04\_Production\03\_CDs\2018-12-17 90%\_01\_Sheets\18052\_MD Northside\_HS Details\_2.dwg PLOT DATE 1/21/2019 12:02 PM BY MAF



# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



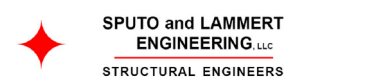
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

## MANLEY DESIGN

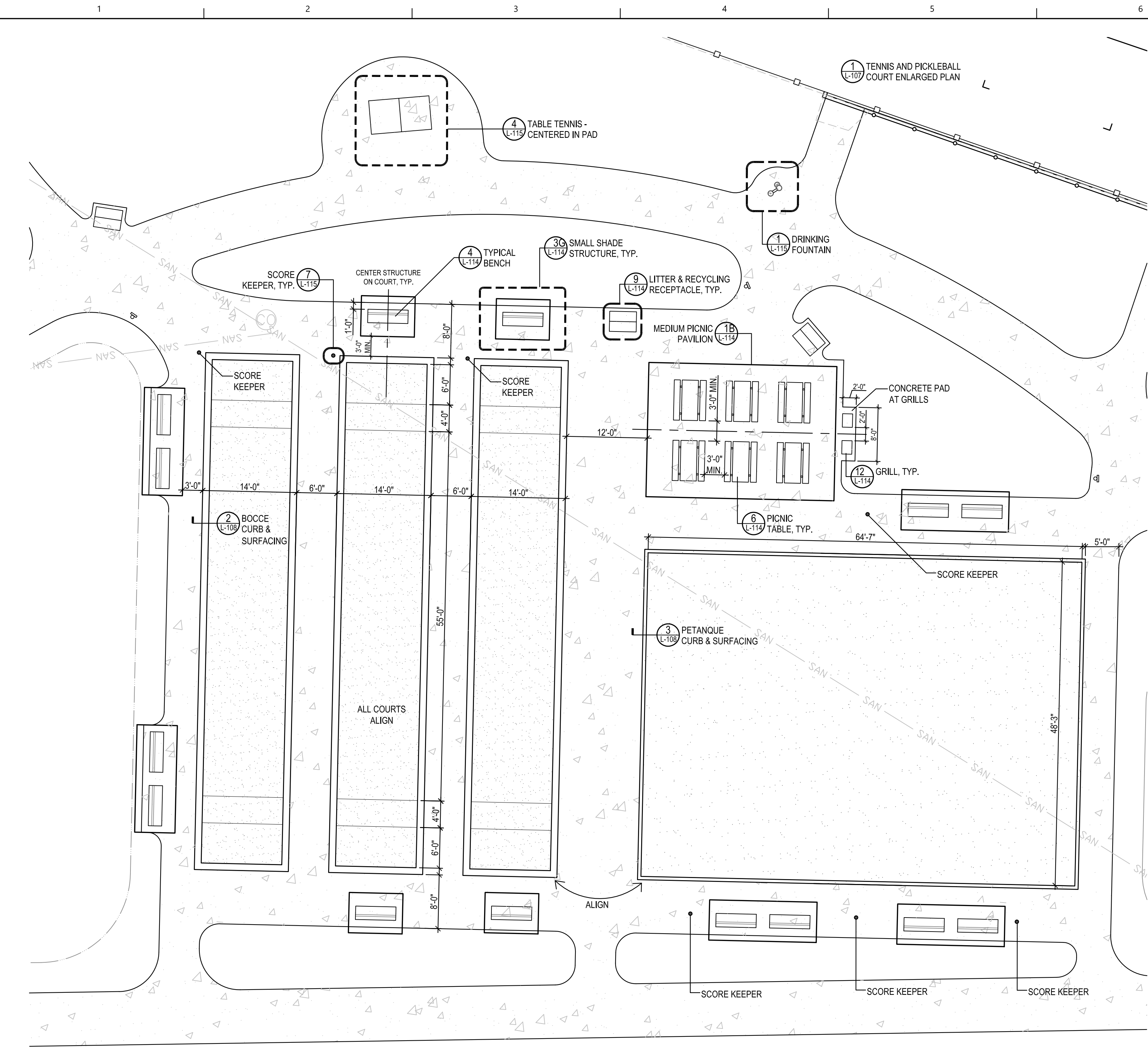
Manley Design, LLC  
Landscape Architecture • Site Planning  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946

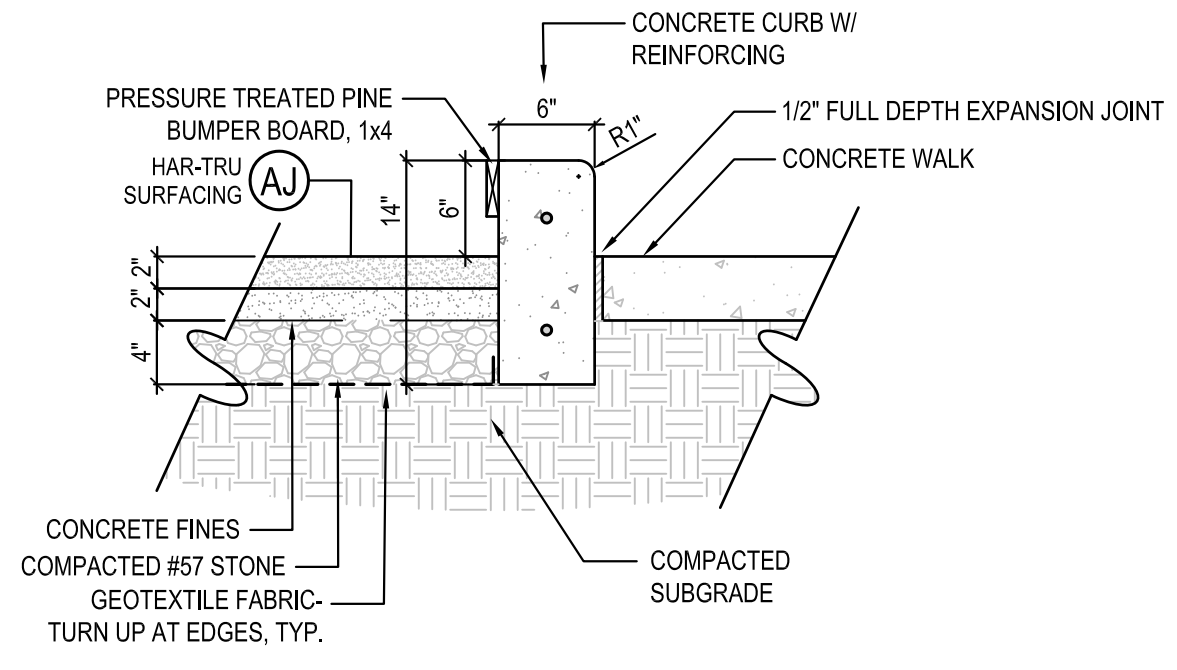


Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855



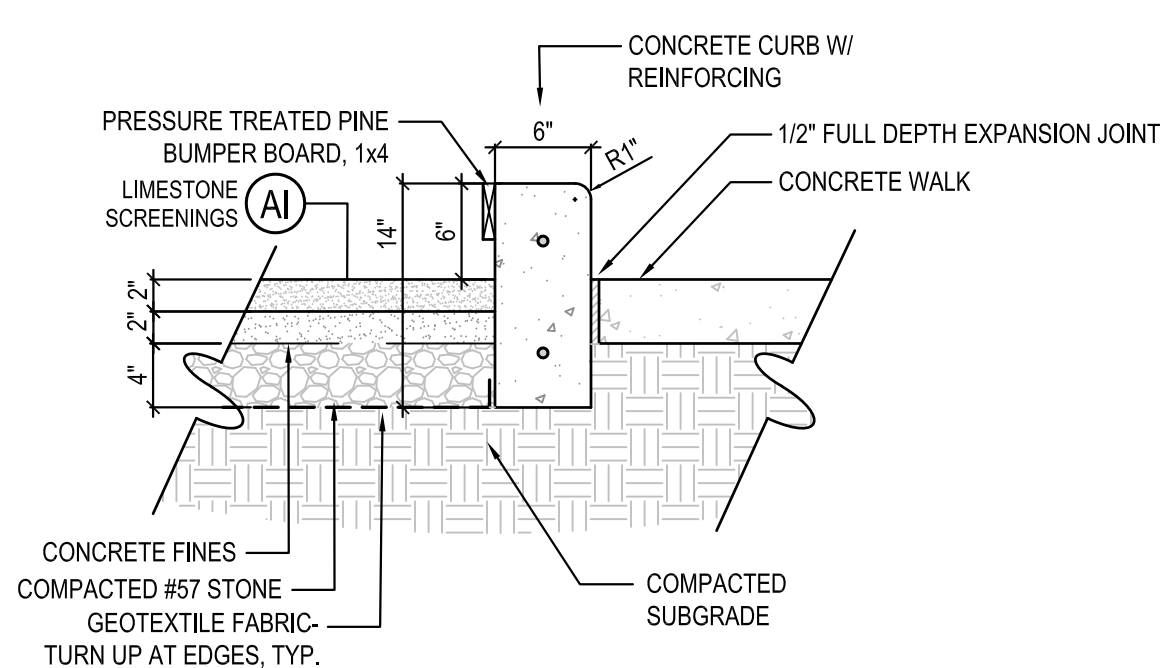
**1 BOCCE AND PETANQUE ENLARGED PLAN**  
SCALE: 1" = 10"

- NOTE:
- 1. ENSURE AREAS DRAIN WELL BEFORE INSTALLING SURFACING.
  - 2. COMPACT STONE, FINES, AND HAR-TRU SURFACING.



**2 BOCCE CURB & SURFACING SECTION**  
SCALE: 1" = 1'-0"

- NOTE:
- 1. ENSURE AREAS DRAIN WELL BEFORE INSTALLING SURFACING.
  - 2. COMPACT STONE, FINES, AND SCREENINGS.



**3 PETANQUE CURB & SURFACING SECTION**  
SCALE: 1" = 1'-0"

SEAL:

NOT FOR CONSTRUCTION

PROJECT NO: 18-0072.001  
CLIENT'S NO:  
ISSUED FOR: **90% REVIEW**

ISSUED DATE: 21 JAN 2019  
REVISIONS:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

SCALE:

AS SHOWN

SHEET TITLE:  
**HARDSCAPE DETAILS**

SHEET NUMBER:  
**L-108**

C:\Users\Sarah McDermott\Box\Project\2018\18-052 Northside CD - DRMP\04\_Production\09\_CDs\2018-12-17 90%\01\_Sheets\18052\_MD\_Northside\_HS\_Details.dwg PLOT DATE 1/21/2019 10:47 AM BY MAF

**'BALANCE BEAM STATION'**  
 MODEL#: 52569  
 MANUFACTURER: XCCENT FITNESS  
 SERVING AGES: 5 YRS. TO SENIOR CITIZEN  
 ELEVATED ACTIVITIES: 2  
 ACCESSIBLE GROUND LEVEL ACTIVITIES: 2

**'ROPE COURSE STATION'**  
 MODEL#: 52570  
 MANUFACTURER: XCCENT FITNESS  
 SERVING AGES: 5 YRS. TO SENIOR CITIZEN  
 ELEVATED ACTIVITIES: 2  
 ACCESSIBLE GROUND LEVEL ACTIVITIES: 2

**'JUNIOR SPICA'**  
 MODEL#: ELE400158  
 MANUFACTURER: KOMPAN  
 SERVING AGES: 2-5  
 ELEVATED ACTIVITIES: 0  
 ACCESSIBLE GROUND LEVEL ACTIVITIES: 1

**'WE SAW'**  
 MODEL#: 186490  
 MANUFACTURER: KOMPAN  
 SERVING AGES: 2 YRS. TO SENIOR CITIZEN  
 ELEVATED ACTIVITIES: 1  
 ACCESSIBLE GROUND LEVEL ACTIVITIES: 1



**'RACER'**  
 MODEL#: ELE400002  
 MANUFACTURER: KOMPAN  
 SERVING AGES: 2-5  
 ELEVATED ACTIVITIES: 0  
 ACCESSIBLE GROUND LEVEL ACTIVITIES: 1

**'SPICA 1'**  
 MODEL#: GXY8014  
 MANUFACTURER: KOMPAN  
 SERVING AGES: 5-12  
 ELEVATED ACTIVITIES: 0  
 ACCESSIBLE GROUND LEVEL ACTIVITIES: 1

**'MEGA DOUBLE TOWER, ULTIMATE, ADA STAIRS, PLASTIC SLIDE'**  
 MODEL#: PCM200410  
 MANUFACTURER: KOMPAN  
 SERVING AGES: 2-5  
 ELEVATED ACTIVITIES: 9, WITH 5 ACCESSIBLE  
 ACCESSIBLE GROUND LEVEL ACTIVITIES: 3

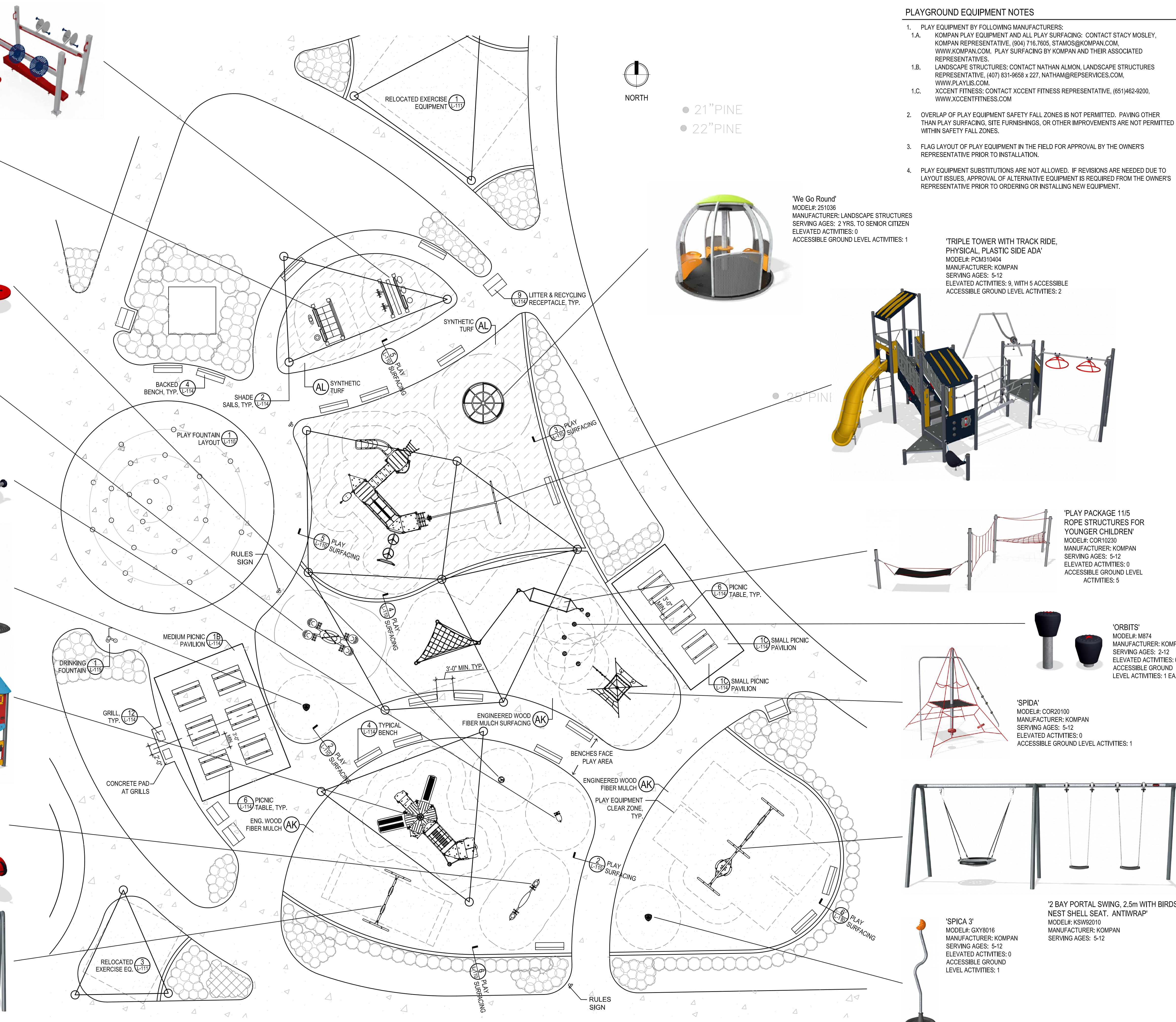


**'HOPPER'**  
 MODEL#: ELE400022  
 MANUFACTURER: KOMPAN  
 SERVING AGES: 2-5  
 ELEVATED ACTIVITIES: 0  
 ACCESSIBLE GROUND LEVEL ACTIVITIES: 1

**'PORTAL SWING HEIGHT 2.5m, ANTIWRAP WITH BABY SWING SEAT'**  
 MODEL#: KSW92004 & SEAT SW99002  
 MANUFACTURER: KOMPAN  
 SERVING AGES: 2-5



**1 PLAYGROUND ENLARGED PLAN**  
 SCALE: 1"=10'



**PLAYGROUND EQUIPMENT NOTES**

- PLAY EQUIPMENT BY FOLLOWING MANUFACTURERS:
  - KOMPAN PLAY EQUIPMENT AND ALL PLAY SURFACING: CONTACT STACY MOSLEY, KOMPAN REPRESENTATIVE, (904) 716.7605, STAMOS@KOMPAN.COM, WWW.KOMPAN.COM. PLAY SURFACING BY KOMPAN AND THEIR ASSOCIATED REPRESENTATIVES.
  - LANDSCAPE STRUCTURES: CONTACT NATHAN ALMON, LANDSCAPE STRUCTURES REPRESENTATIVE, (407) 831-9658 x 227, NATHAM@REPSERVICES.COM, WWW.PLAYLIS.COM.
  - XCCENT FITNESS: CONTACT XCCENT FITNESS REPRESENTATIVE, (651)462-9200, WWW.XCCENTFITNESS.COM
- OVERLAP OF PLAY EQUIPMENT SAFETY FALL ZONES IS NOT PERMITTED. PAVING OTHER THAN PLAY SURFACING, SITE FURNISHINGS, OR OTHER IMPROVEMENTS ARE NOT PERMITTED WITHIN SAFETY FALL ZONES.
- FLAG LAYOUT OF PLAY EQUIPMENT IN THE FIELD FOR APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- PLAY EQUIPMENT SUBSTITUTIONS ARE NOT ALLOWED. IF REVISIONS ARE NEEDED DUE TO LAYOUT ISSUES, APPROVAL OF ALTERNATIVE EQUIPMENT IS REQUIRED FROM THE OWNER'S REPRESENTATIVE PRIOR TO ORDERING OR INSTALLING NEW EQUIPMENT.

- 21" PINE
- 22" PINE

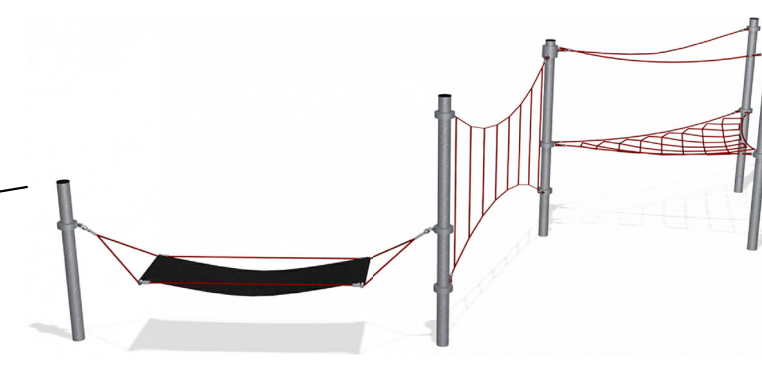
**'We Go Round'**  
 MODEL#: 251036  
 MANUFACTURER: LANDSCAPE STRUCTURES  
 SERVING AGES: 2 YRS. TO SENIOR CITIZEN  
 ELEVATED ACTIVITIES: 0  
 ACCESSIBLE GROUND LEVEL ACTIVITIES: 1



**'TRIPLE TOWER WITH TRACK RIDE, PHYSICAL PLASTIC SIDE ADA'**  
 MODEL#: P0310404  
 MANUFACTURER: KOMPAN  
 SERVING AGES: 5-12  
 ELEVATED ACTIVITIES: 9, WITH 5 ACCESSIBLE  
 ACCESSIBLE GROUND LEVEL ACTIVITIES: 2



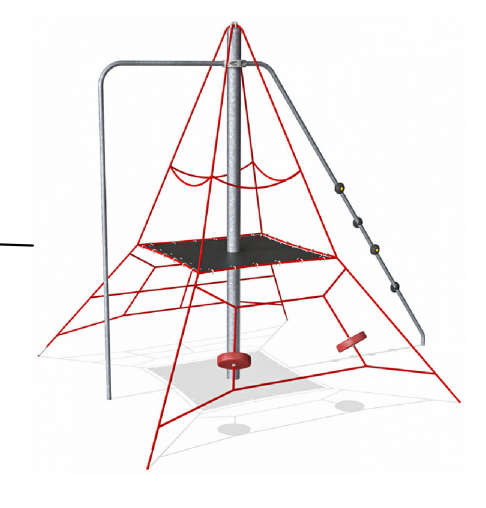
**'PLAY PACKAGE 11/5 ROPE STRUCTURES FOR YOUNGER CHILDREN'**  
 MODEL#: COR10230  
 MANUFACTURER: KOMPAN  
 SERVING AGES: 5-12  
 ELEVATED ACTIVITIES: 0  
 ACCESSIBLE GROUND LEVEL ACTIVITIES: 5



**'ORBITS'**  
 MODEL#: M874  
 MANUFACTURER: KOMPAN  
 SERVING AGES: 2-12  
 ELEVATED ACTIVITIES: 0  
 ACCESSIBLE GROUND LEVEL ACTIVITIES: 1 EA



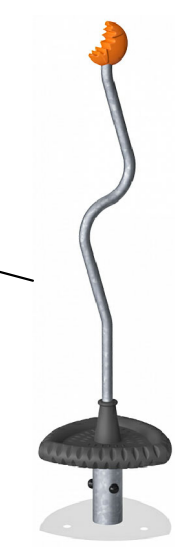
**'SPIDA'**  
 MODEL#: COR20100  
 MANUFACTURER: KOMPAN  
 SERVING AGES: 5-12  
 ELEVATED ACTIVITIES: 0  
 ACCESSIBLE GROUND LEVEL ACTIVITIES: 1



**'2 BAY PORTAL SWING, 2.5m WITH BIRDS NEST SHELL SEAT, ANTIWRAP'**  
 MODEL#: KSW92010  
 MANUFACTURER: KOMPAN  
 SERVING AGES: 5-12



**'SPICA 3'**  
 MODEL#: GXY8016  
 MANUFACTURER: KOMPAN  
 SERVING AGES: 5-12  
 ELEVATED ACTIVITIES: 0  
 ACCESSIBLE GROUND LEVEL ACTIVITIES: 1



**NORTHSIDE PARK IMPROVEMENTS**

City of Gainesville  
 WSP

**DRMP**  
 DRMP, Inc.  
 7525 NW 4th Boulevard, Suite 70  
 Gainesville, Florida 32607  
 352-371-2741  
 http://www.drmp.com  
 Certificate of Authorization no. 2648

**MANLEY DESIGN**  
 Landscape Architecture • Site Planning  
 Manley Design, LLC  
 224 NW 2nd Avenue, Suite E  
 Gainesville, Florida 32601  
 352-363-7412  
 http://www.manleydesign.net  
 Certificate of Authorization no. LC26000575

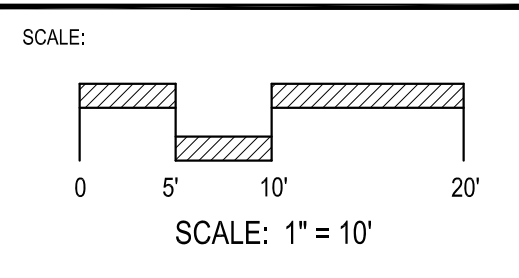
**HDC**  
 Hunter Design & Consulting, Inc.  
 735 Arlington Ave N, Ste 308  
 St Petersburg, Florida 33701  
 352-238-6366  
 http://www.hdceng.com/  
 Certificate of Authorization no. 31946

**Sputo and Lammert Engineering, LLC**  
 10 SW 1st Avenue  
 Gainesville, Florida 32601  
 352-378-0448  
 http://www.sputoandlammert.com/  
 Certificate of Authorization no. 6855

SEAL:

PROJECT NO: 18-0072.001  
 CLIENT'S NO:  
 ISSUED FOR: 90% REVIEW

ISSUED DATE: 21 JAN 2019  
 REVISIONS:



SHEET TITLE:  
**HARDSCAPE DETAILS**

SHEET NUMBER:  
**L-109**

C:\Users\Sarah McDermott\Box\Project\2018\18-052 Northside CD - DRMP\04\_Production\03\_CDs\18-052 Northside\_CDs\18-052 Northside\_HS Det Play.dwg PLOT DATE: 1/21/2019 9:23 AM BY MAF

NOT FOR CONSTRUCTION

# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

**MANLEY DESIGN**  
Landscape Architecture • Site Planning

Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SCALE:

NOT FOR CONSTRUCTION

PROJECT NO: 18-0072.001

CLIENT'S NO:

ISSUED FOR: 90% REVIEW

ISSUED DATE: 21 JAN 2019

REVISIONS: 21 JAN 2019

REVISIONS:

REVISIONS:

REVISIONS:

REVISIONS:

REVISIONS:

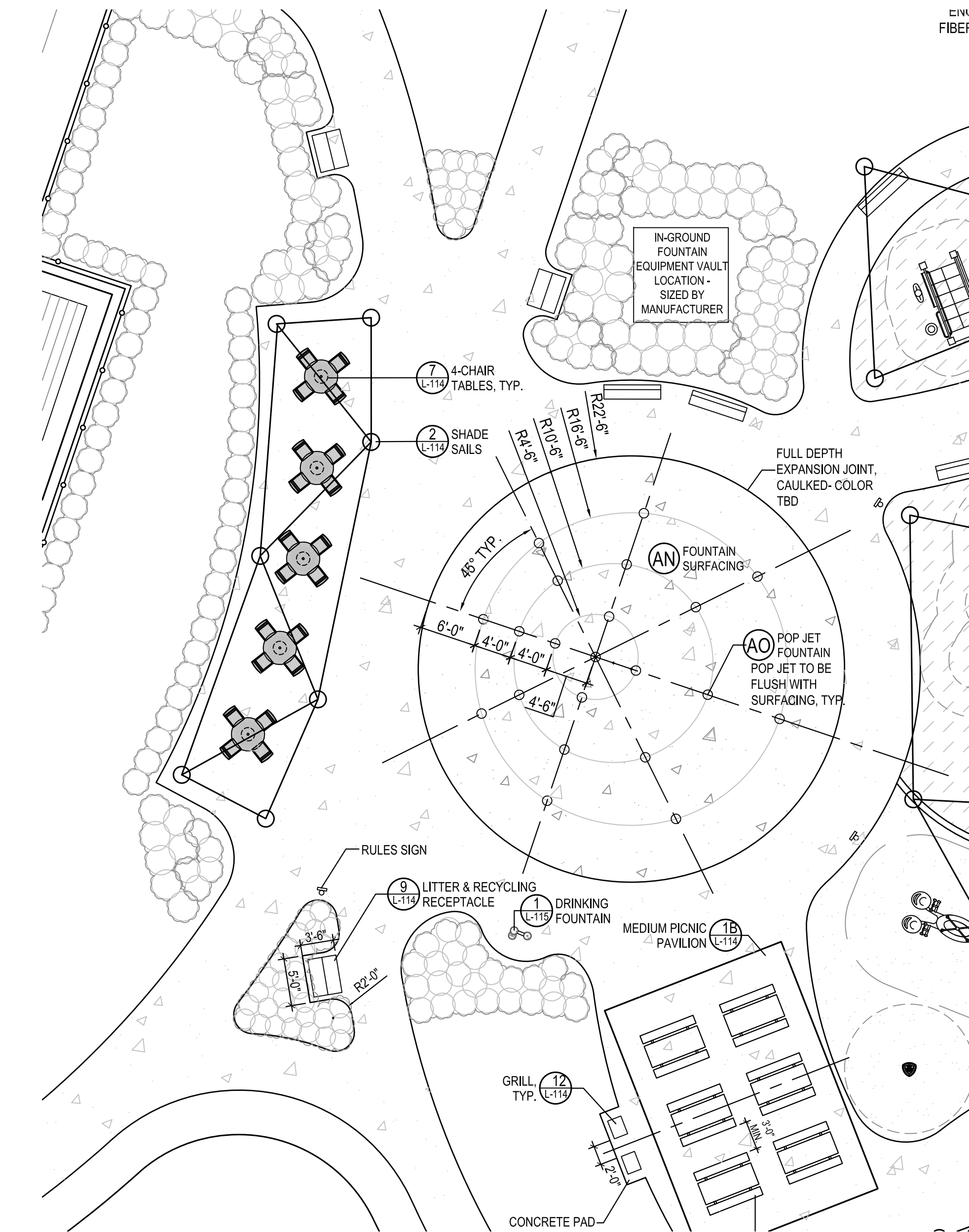
SCALE:

AS SHOWN

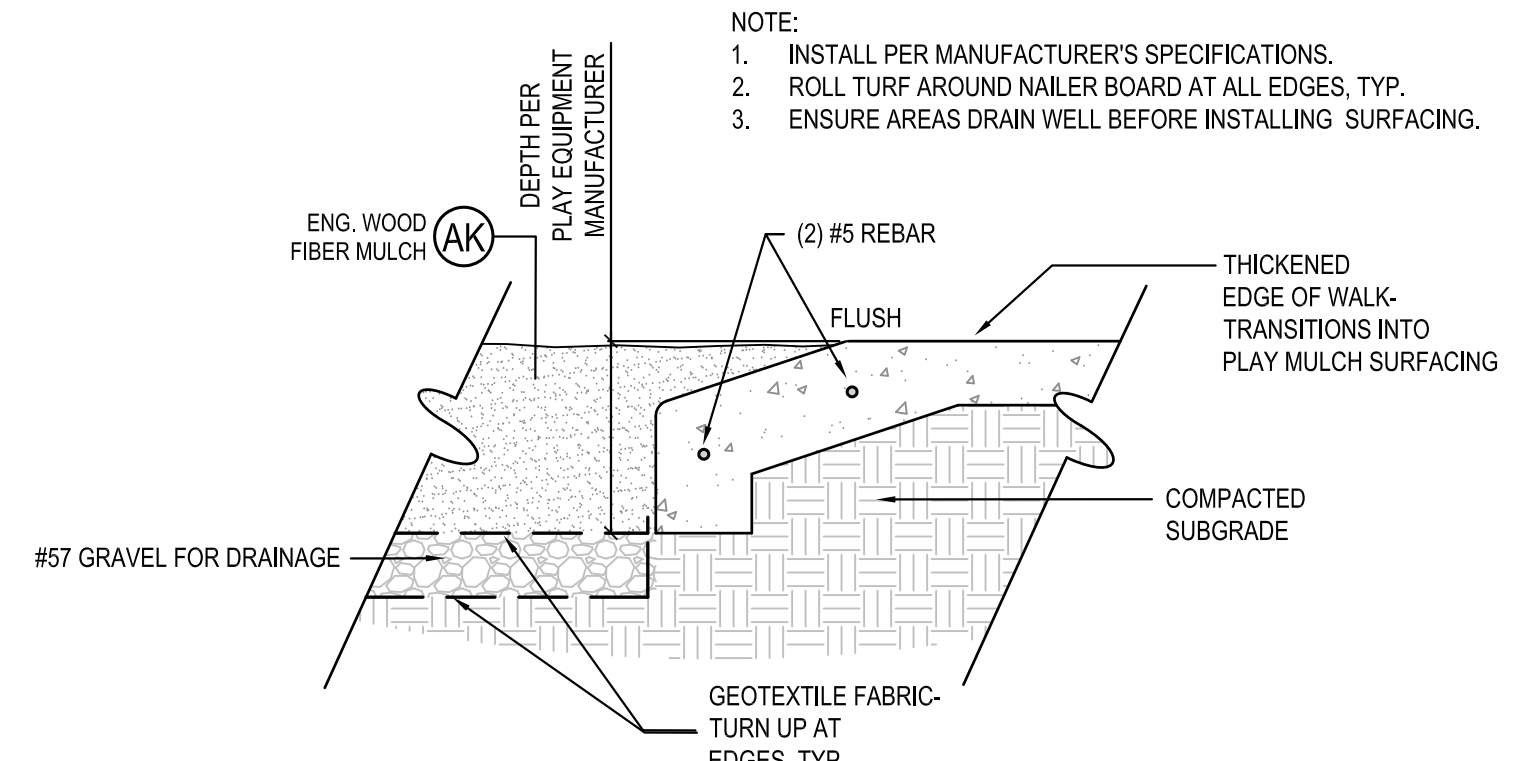
SHEET TITLE:  
**HARDSCAPE DETAILS**

SHEET NUMBER:

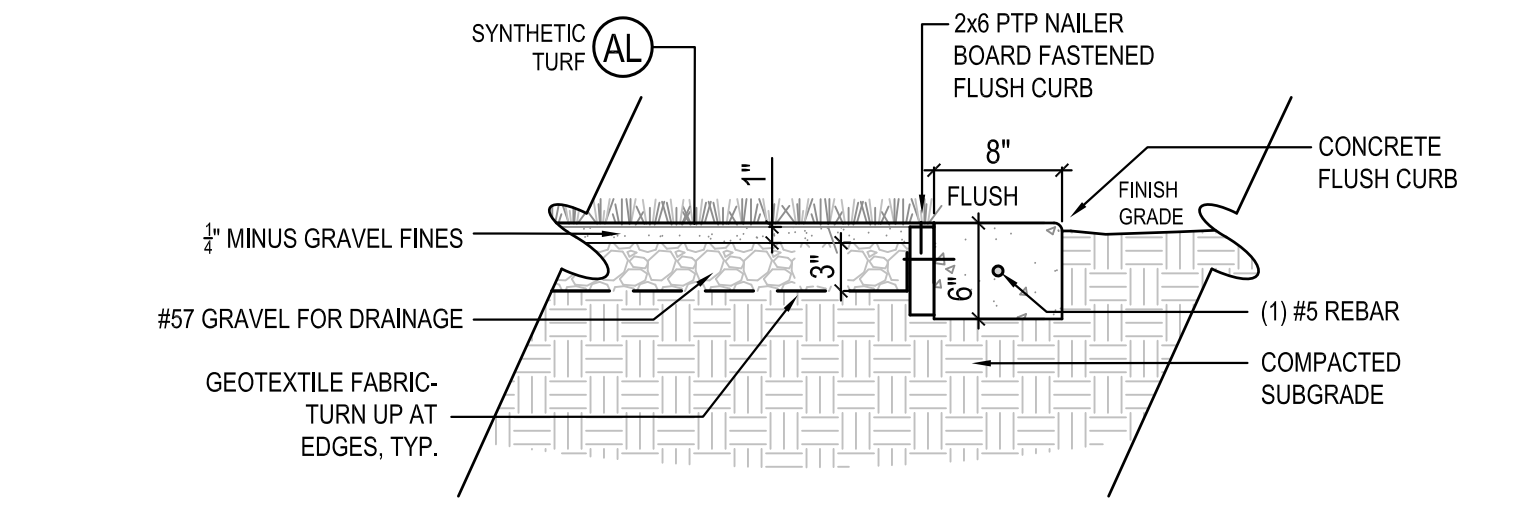
**L-110**



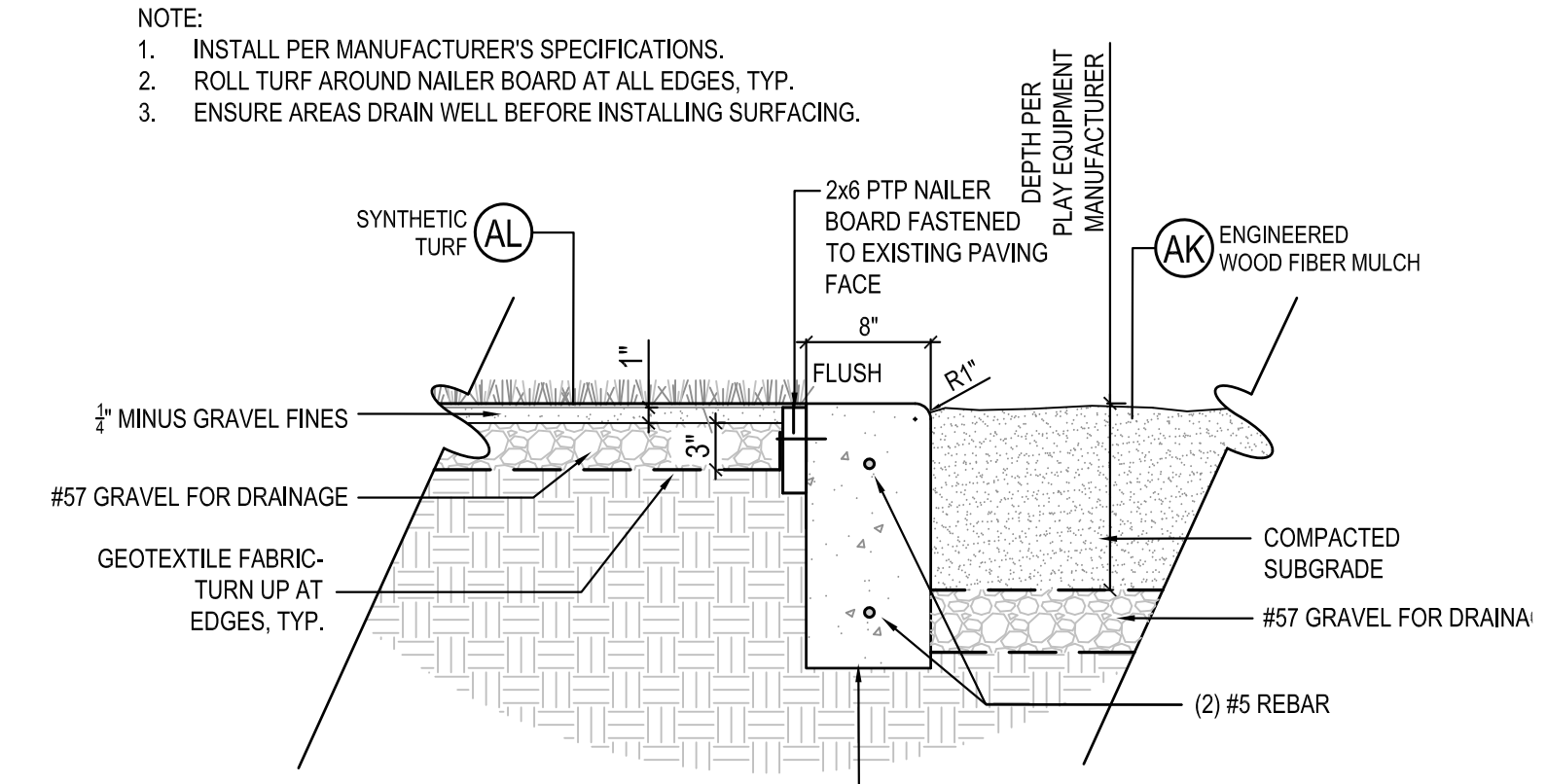
**1 PLAY FOUNTAIN ENLARGED PLAN**  
SCALE: 1" = 1'-0"



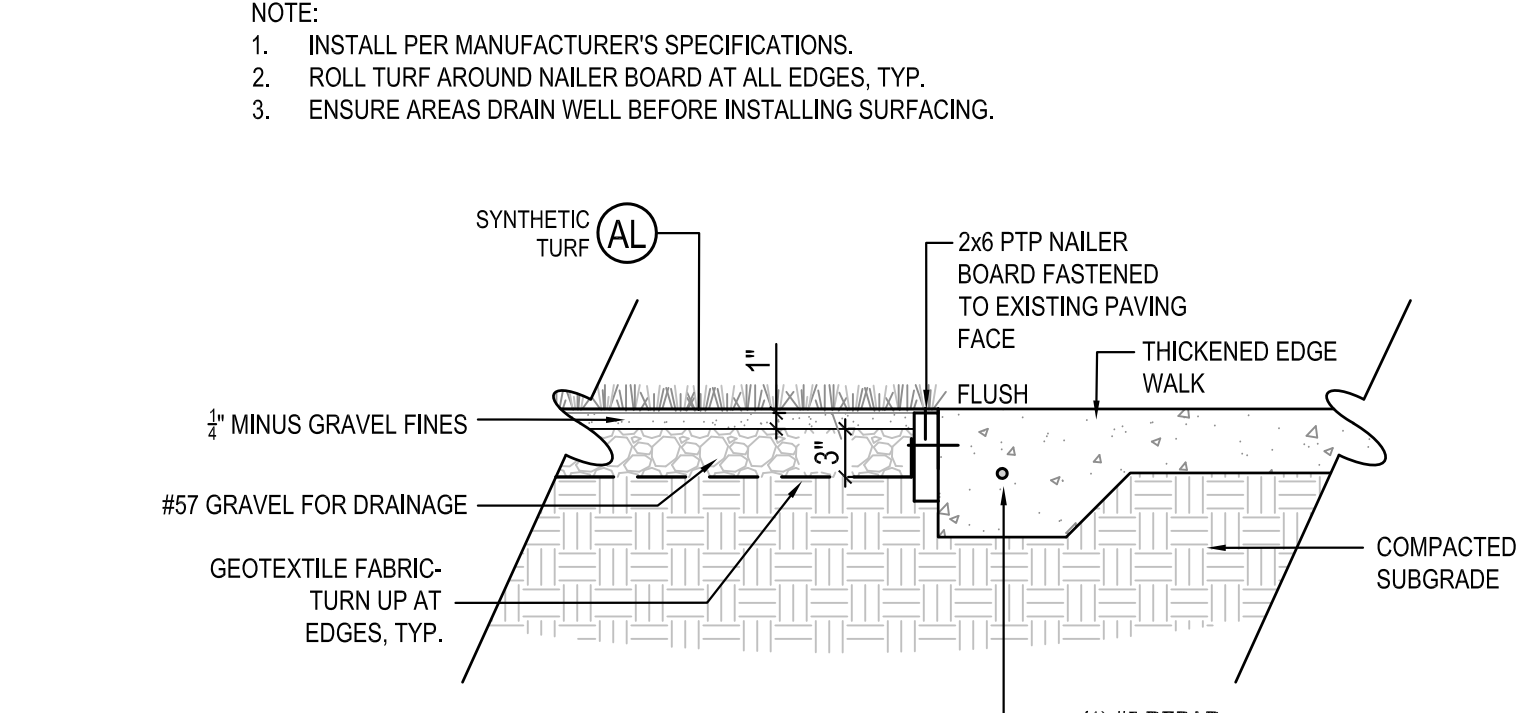
**2 PLAY SURFACING SECTION**  
SCALE: 1" = 1'-0"



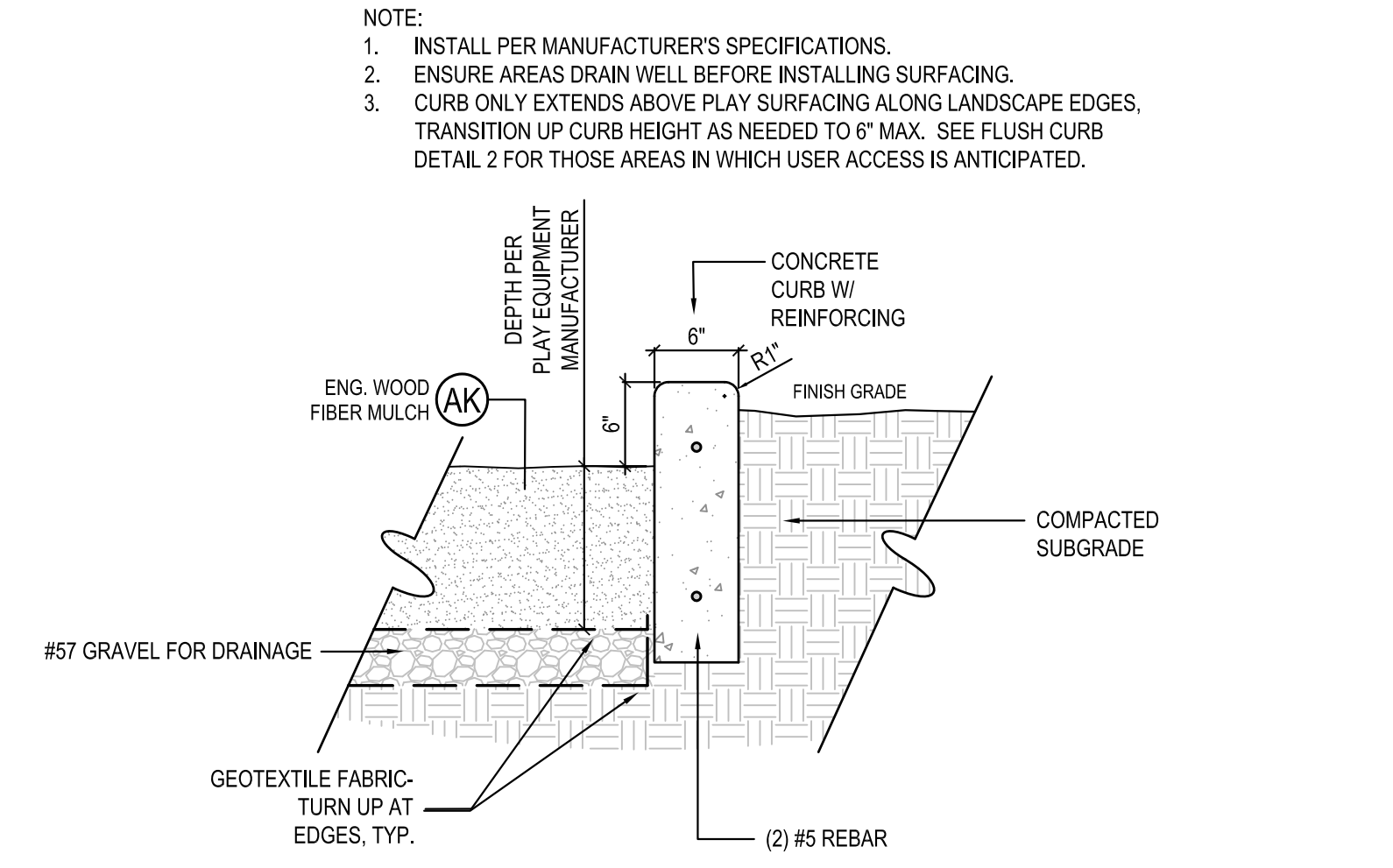
**3 PLAY SURFACING SECTION**  
SCALE: 1" = 1'-0"



**4 PLAY SURFACING SECTION**  
SCALE: 1" = 1'-0"



**5 PLAY SURFACING SECTION**  
SCALE: 1" = 1'-0"



**6 PLAY SURFACING SECTION**  
SCALE: 1" = 1'-0"

C:\Users\Sarah McDermott\Box\Project\2018\18-052 Northside CD - DRMP\04\_Production\09\_CDs\2018-12-17 90%01\_Sheets\18052\_MD Northside\_HS Det Play.dwg PLOT DATE 1/21/2019 12:01 PM BY MAF

# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

## MANLEY DESIGN

Landscape Architecture • Site Planning  
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

### RELOCATED EXERCISE EQUIPMENT

1. CONTACT OWNERS REPRESENTATIVE AND LANDSCAPE ARCHITECT FOR PRE-CONSTRUCTION MEETING TO REVIEW EXISTING EQUIPMENT AND DISCUSS PROPOSED EQUIPMENT LOCATIONS, LAYOUT, ORIENTATION, AND ATTACHMENT METHODS/FOOTINGS.
2. PRESSURE-WASH AND CLEAN EXISTING EQUIPMENT. TOUCH UP PAINT WHERE NEEDED.
3. USE STAINLESS STEEL, VANDAL-RESISTANT HARDWARE.
4. NOTE THAT PROPOSED LOCATIONS WILL BE WITHIN LOOSE FILL ENGINEERED WOOD FIBER MULCH AND WILL REQUIRE NEW FOOTINGS SIZED PER MANUFACTURER'S SPECIFICATIONS. PLAY EQUIPMENT LAYOUT SHALL MEET MANUFACTURER'S REQUIREMENTS FOR CLEAR ZONES BETWEEN ELEMENTS, REACH RANGES, ADA ACCESS, ETC.



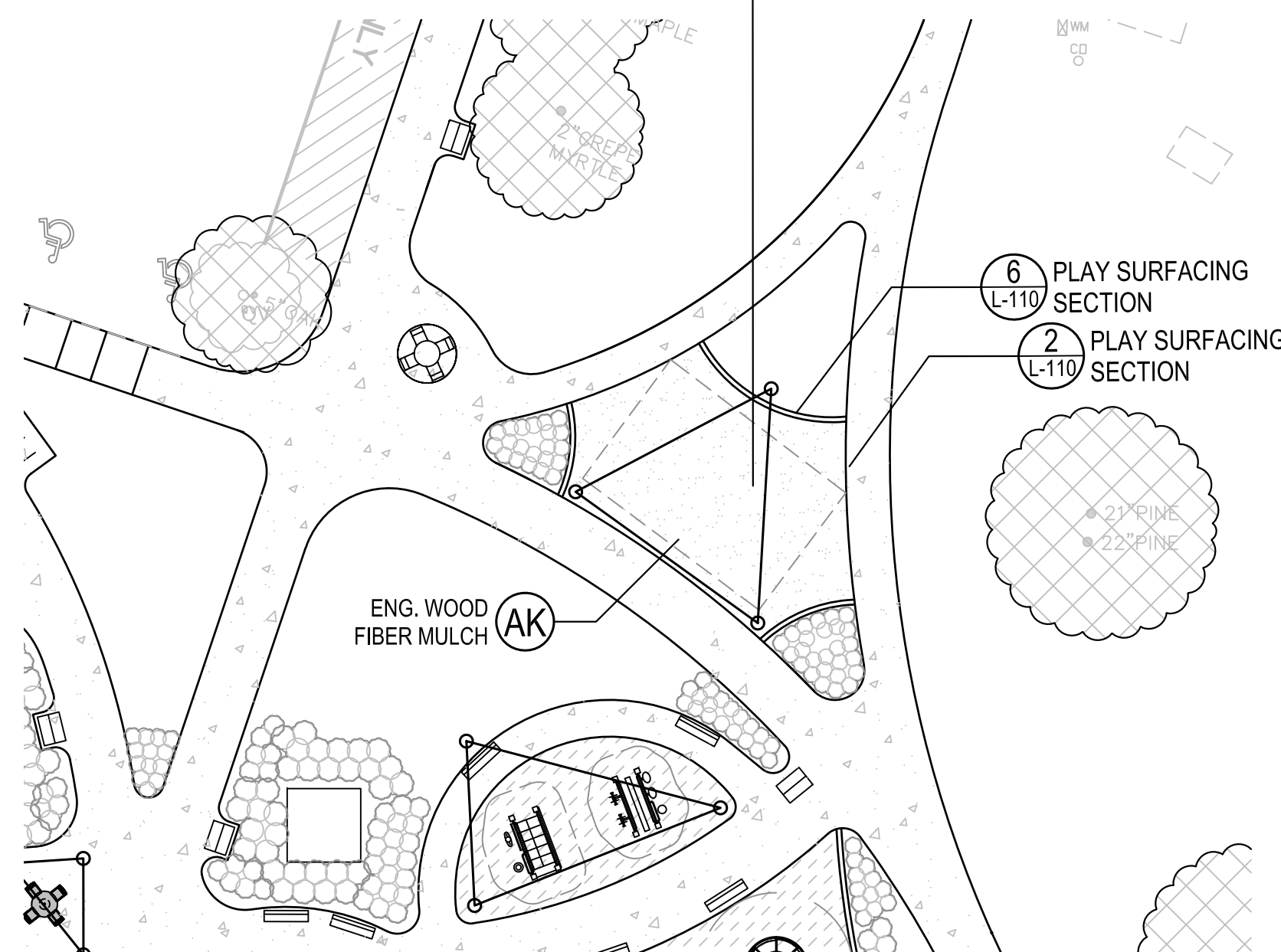
NOTE: THIS STATION CONSISTS OF TWO EXERCISE STATIONS.



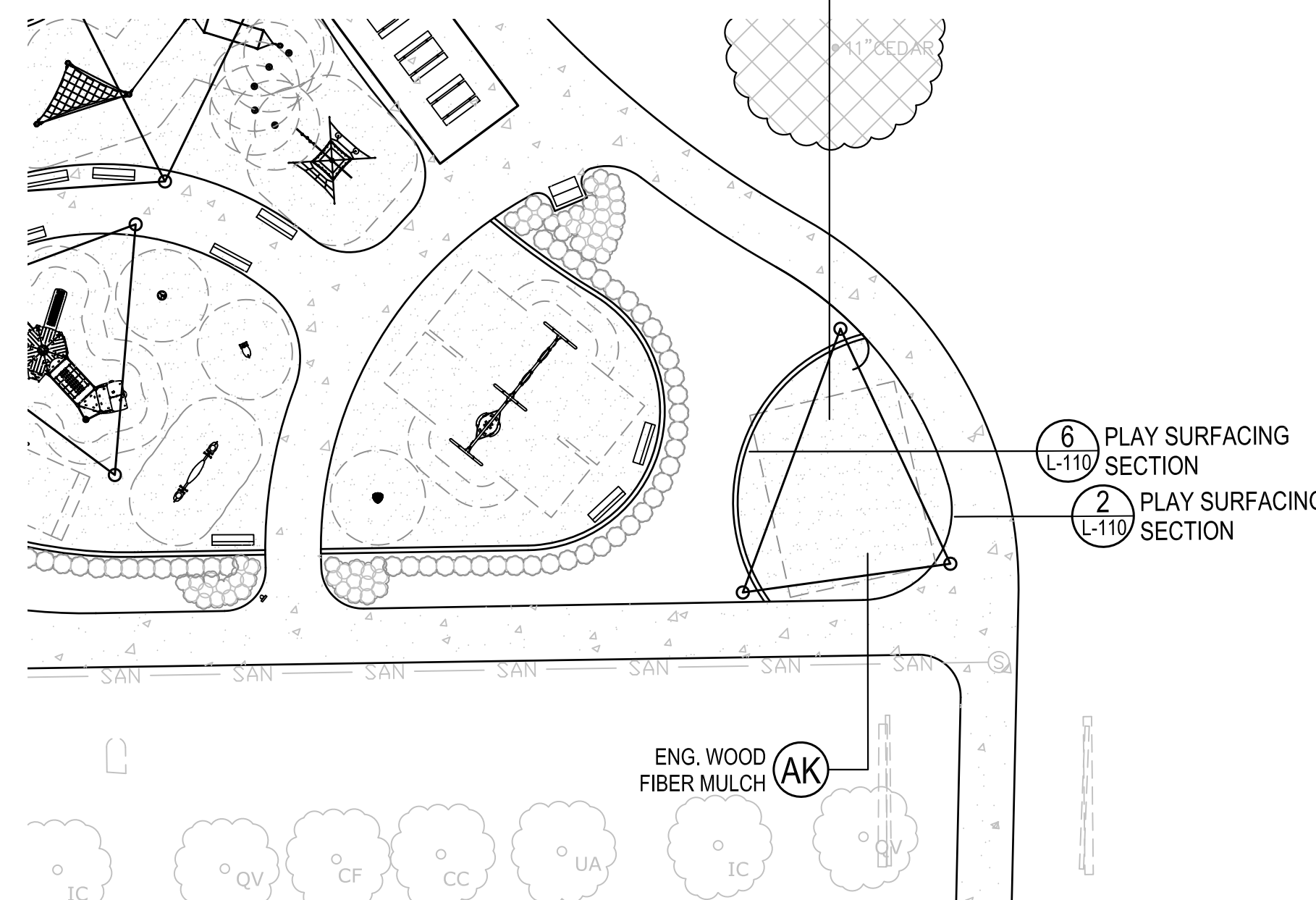
NOTE: THIS STATION CONSISTS OF TWO EXERCISE STATIONS.



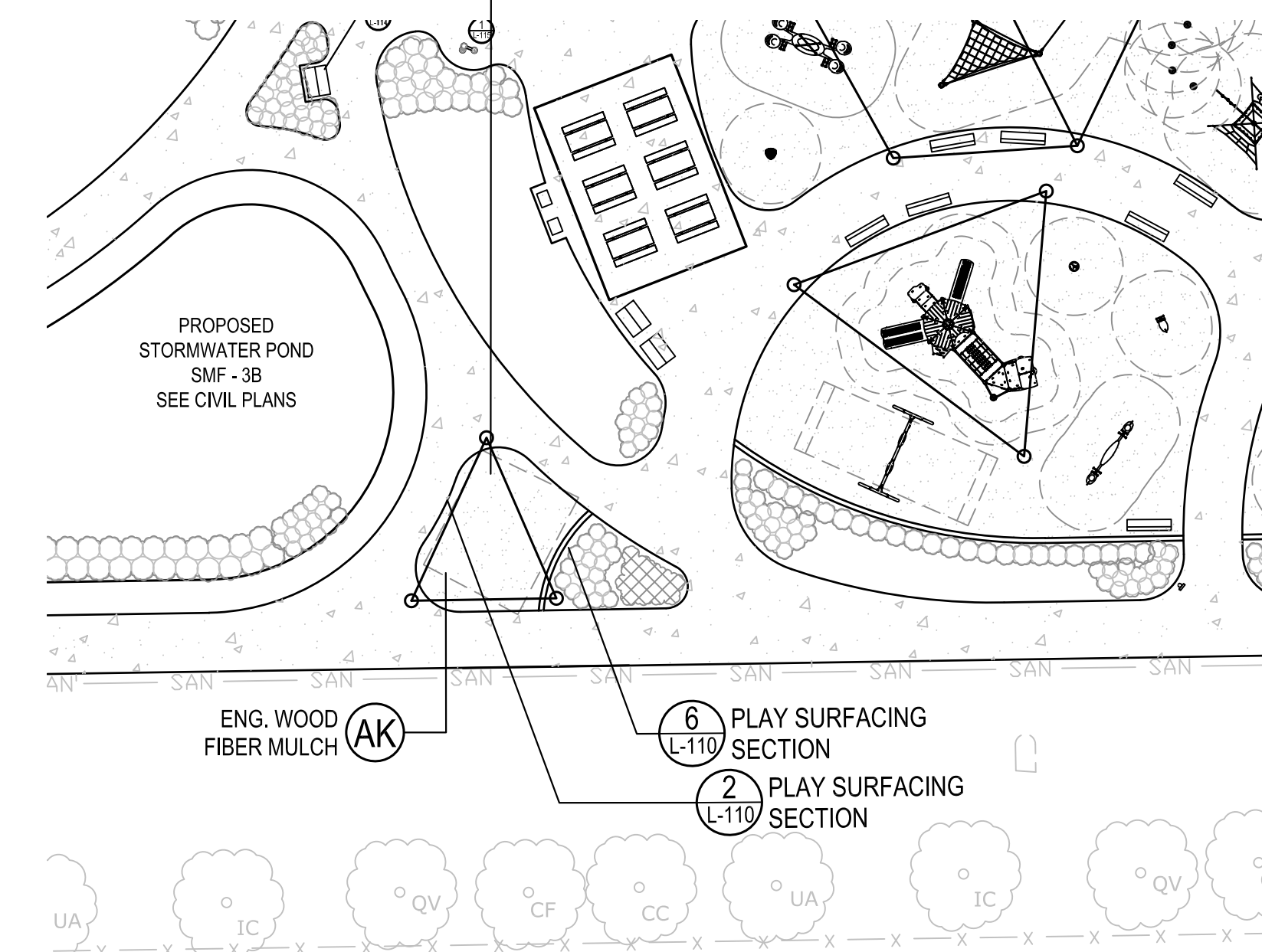
NOTE: THIS STATION CONSISTS OF ONE EXERCISE STATION.



1 RELOCATED EXERCISE EQUIPMENT - NORTH  
SCALE: 1" = 20'



2 RELOCATED EXERCISE EQUIPMENT - EAST  
SCALE: 1" = 20'



3 RELOCATED EXERCISE EQUIPMENT - SOUTH  
SCALE: 1" = 20'

SEAL:

NOT FOR CONSTRUCTION

PROJECT NO: 18-0072.001  
CLIENT'S NO:  
ISSUED FOR: 90% REVIEW  
ISSUED DATE: 21 JAN 2019  
REVISIONS:

SCALE:  
AS SHOWN

SHEET TITLE:  
HARDSCAPE DETAILS

SHEET NUMBER:  
L-111

# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



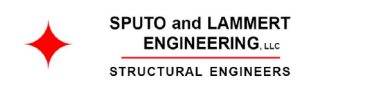
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

## MANLEY DESIGN

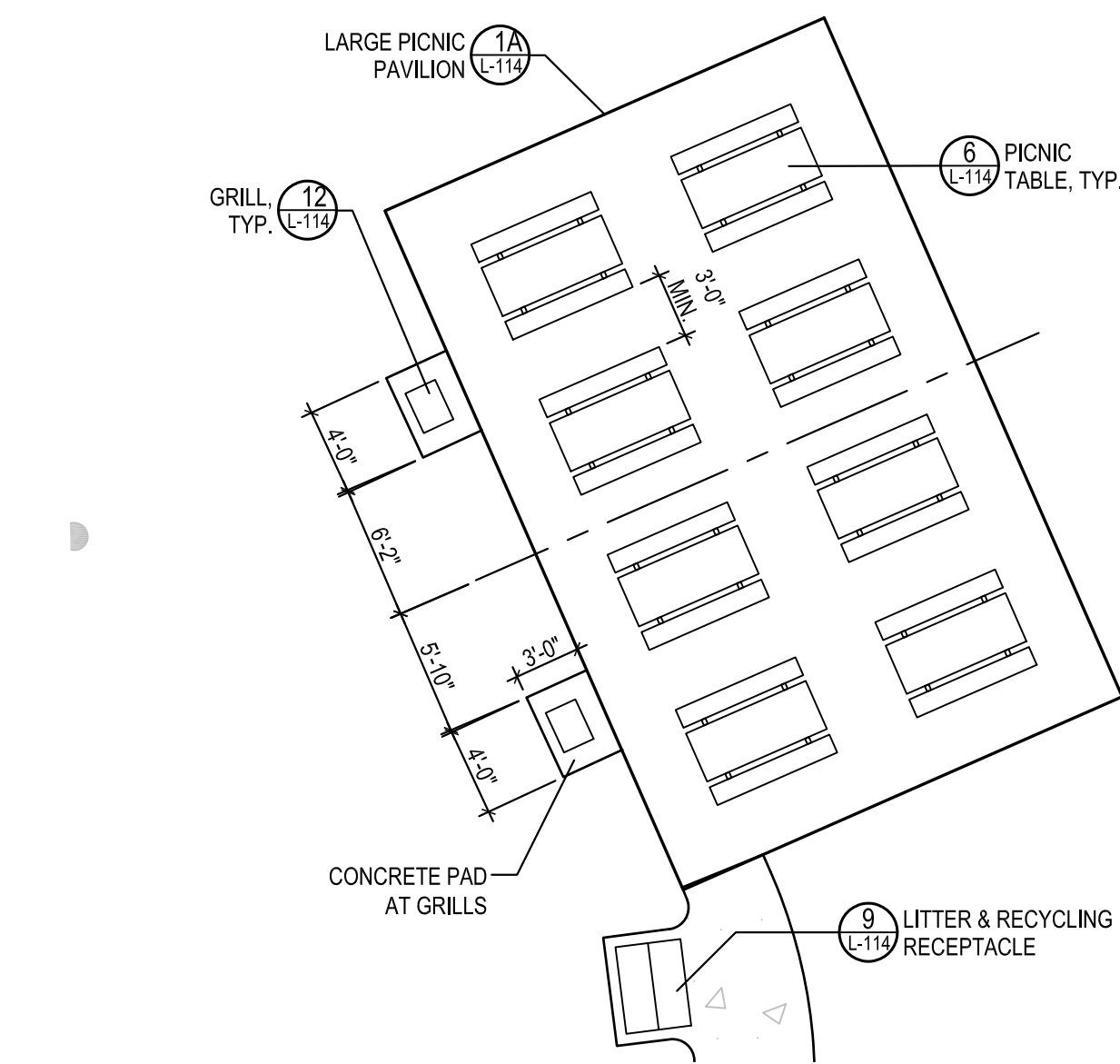
Landscape Architecture • Site Planning  
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



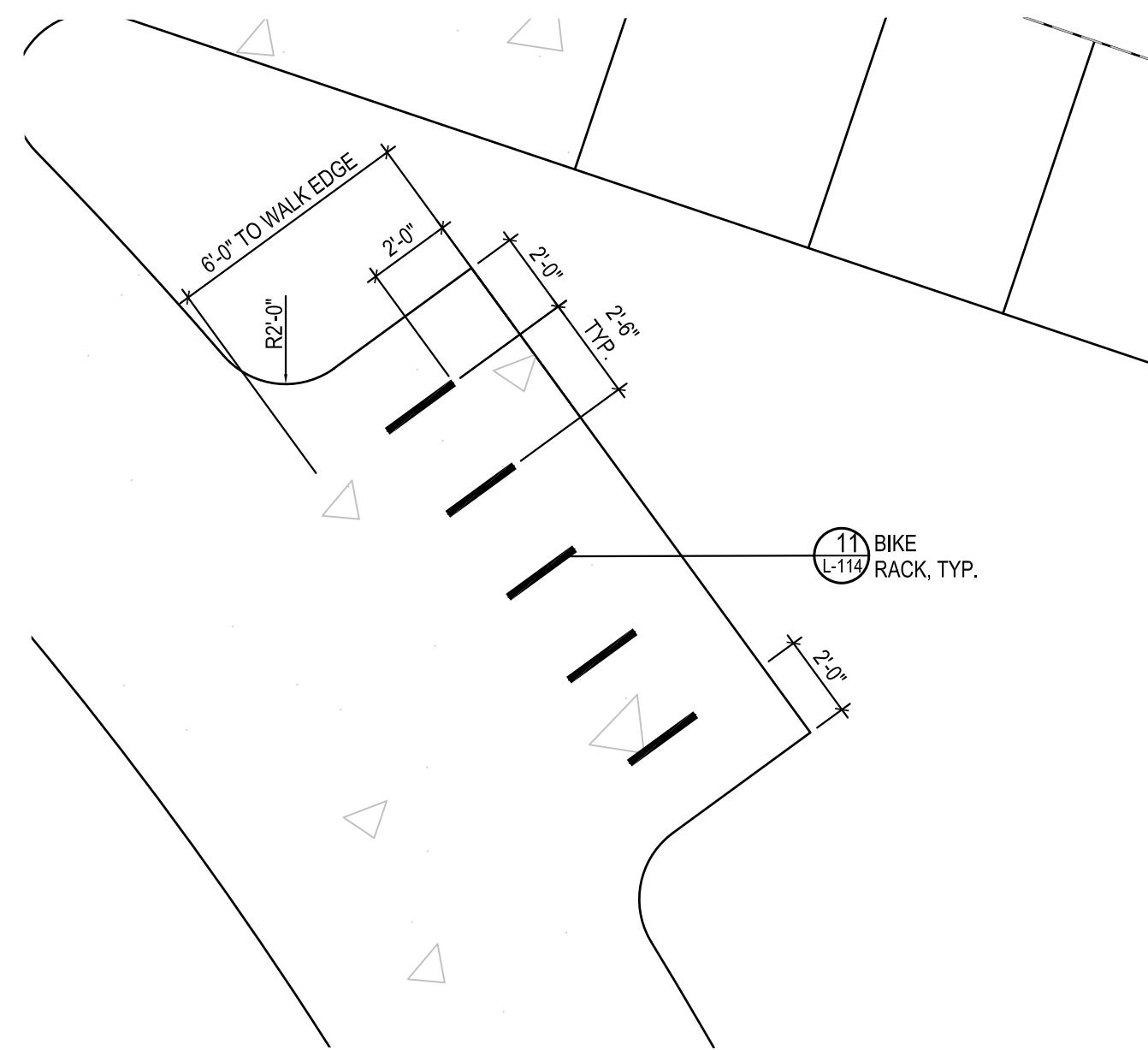
Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

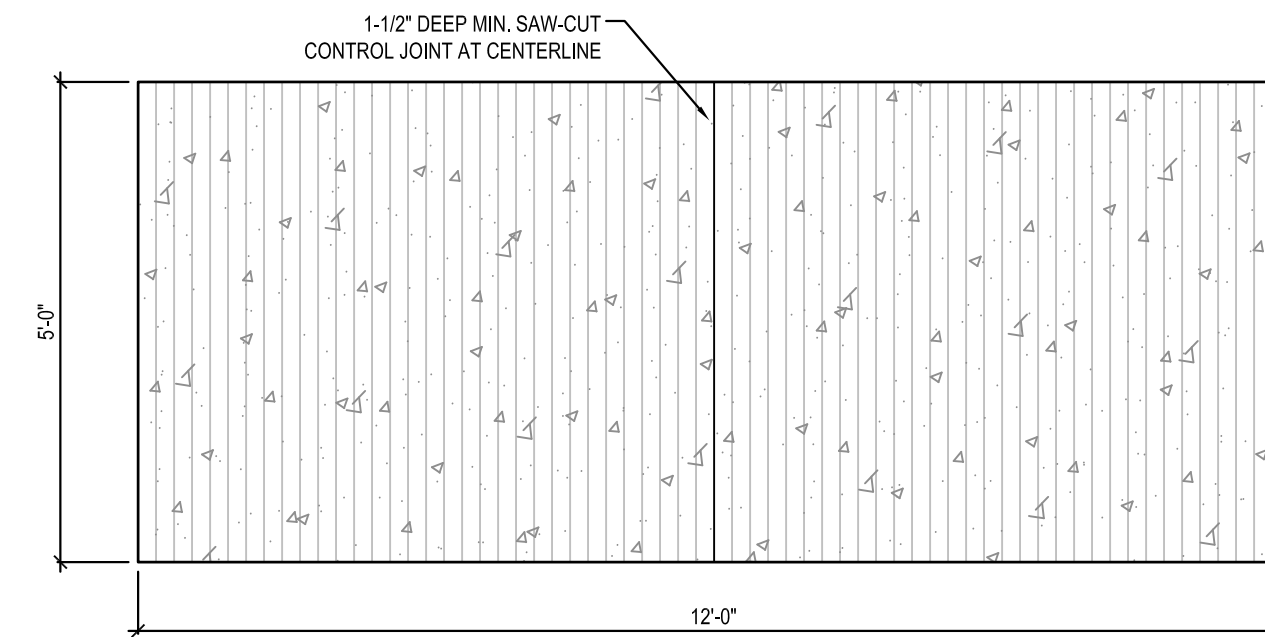


**1** LARGE PICNIC PAVILION LAYOUT  
SCALE: 1/8" = 1'-0"

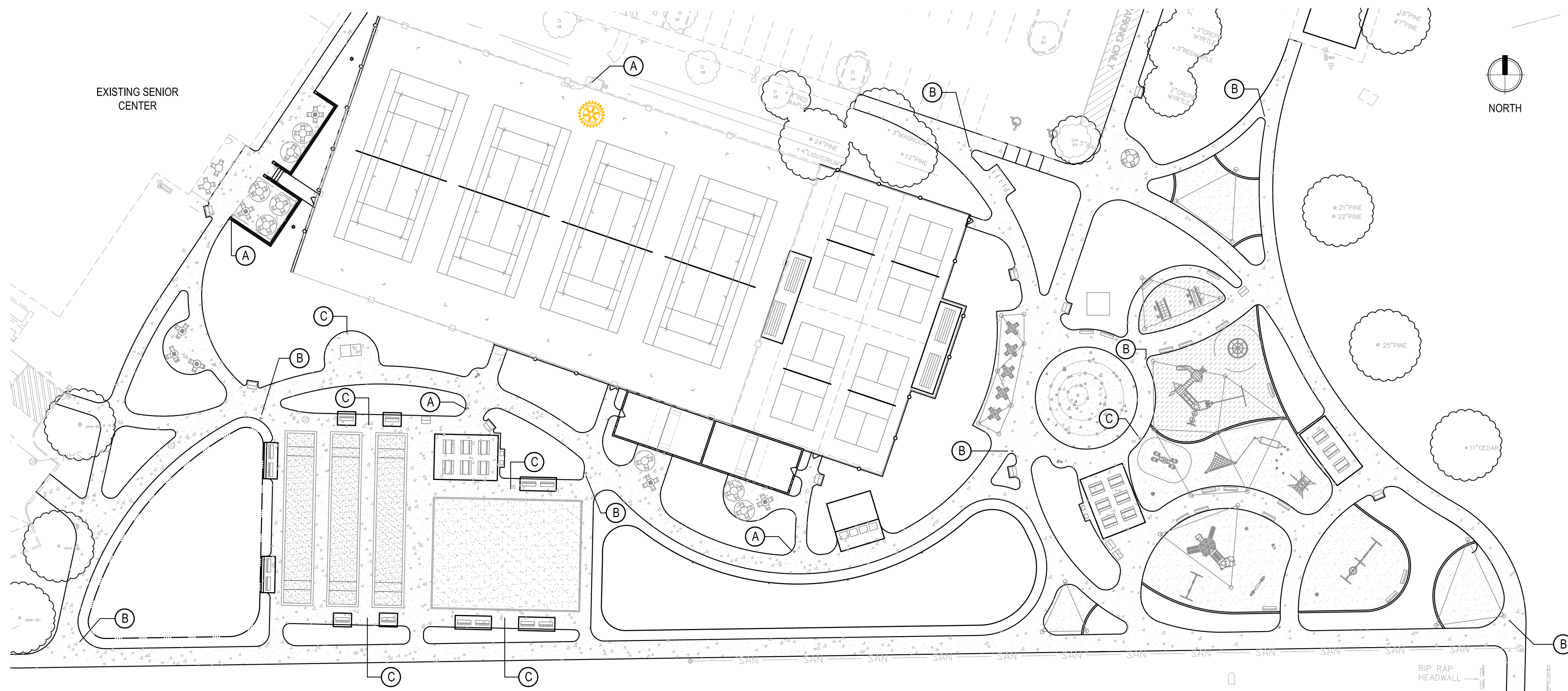


**2** BIKE RACK LAYOUT  
SCALE: 1/4" = 1'-0"

- NOTE:
1. LOCATE TEES AS DIRECTED BY OWNER'S REPRESENTATIVE AS COORDINATED WITH USER GROUPS.
  2. TEES TO BE FLUSH WITH ADJACENT GRADE.
  3. ENSURE AREA DRAINS WELL BEFORE INSTALLING TEE.
  4. FINISH: COURSE BRUSH FINISH, DIRECTION AS SHOWN.

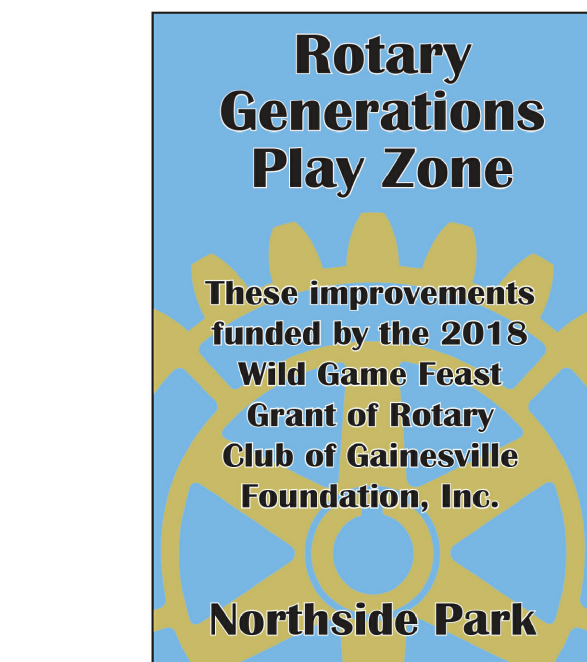
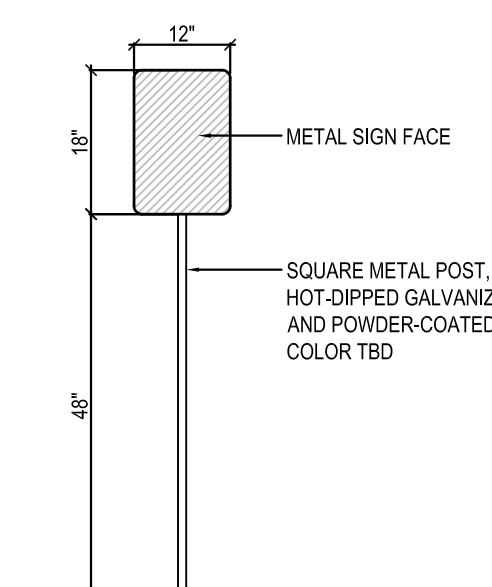


**3** DISC GOLF TEE LAYOUT  
SCALE: 1/2" = 1'-0"

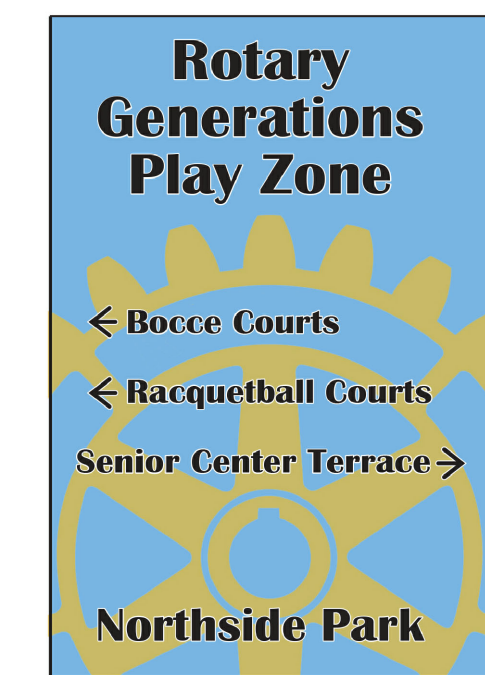


**4** PEDESTRIAN POST SIGNS - LOCATIONS AND PROTOTYPICALS  
SCALE: N.T.S.

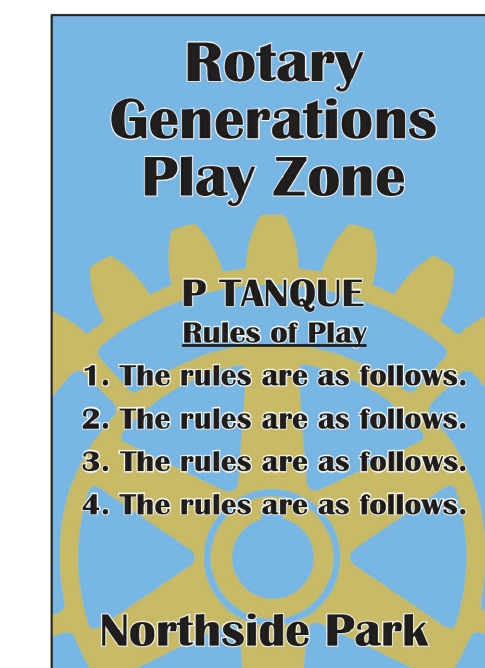
- NOTE:
1. GAIN APPROVAL FROM ROTARY INTERNATIONAL FOR USE OF THEIR LOGO PRIOR TO FABRICATING SIGNS.
  2. FLAG PROPOSED SIGN LOCATIONS AND ORIENTATION. CONDUCT ON-SITE REVIEW WITH THE OWNER'S REPRESENTATIVE FOR APPROVAL OF LOCATIONS.
  3. SUBMIT A SCALED LAYOUT OF EACH PROPOSED SIGN FOR OWNER REPRESENTATIVE'S REVIEW AND APPROVAL PRIOR TO FABRICATION. SUBMIT COLOR SAMPLES ON ACTUAL MATERIAL PROPOSED.
  4. ATTACH SIGN WITH VANDAL-RESISTANT HARDWARE. SIGN FOOTING TBD BY SIGN MANUFACTURER.



**A** ACKNOWLEDGEMENT SIGN  
TOTAL OF (4)



**B** DIRECTIONAL SIGN  
TOTAL OF (8)



**C** GAME RULES SIGN  
TOTAL OF (6)

SEAL:

NOT FOR CONSTRUCTION

PROJECT NO: 18-0072.001

CLIENT'S NO:

ISSUED FOR: 90% REVIEW

ISSUED DATE: 21 JAN 2019

REVISIONS:

SCALE:

AS SHOWN

SHEET TITLE:  
**HARDSCAPE DETAILS**

SHEET NUMBER:  
**L-112**

# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



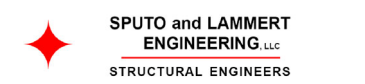
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

## MANLEY DESIGN

Landscape Architecture • Site Planning  
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

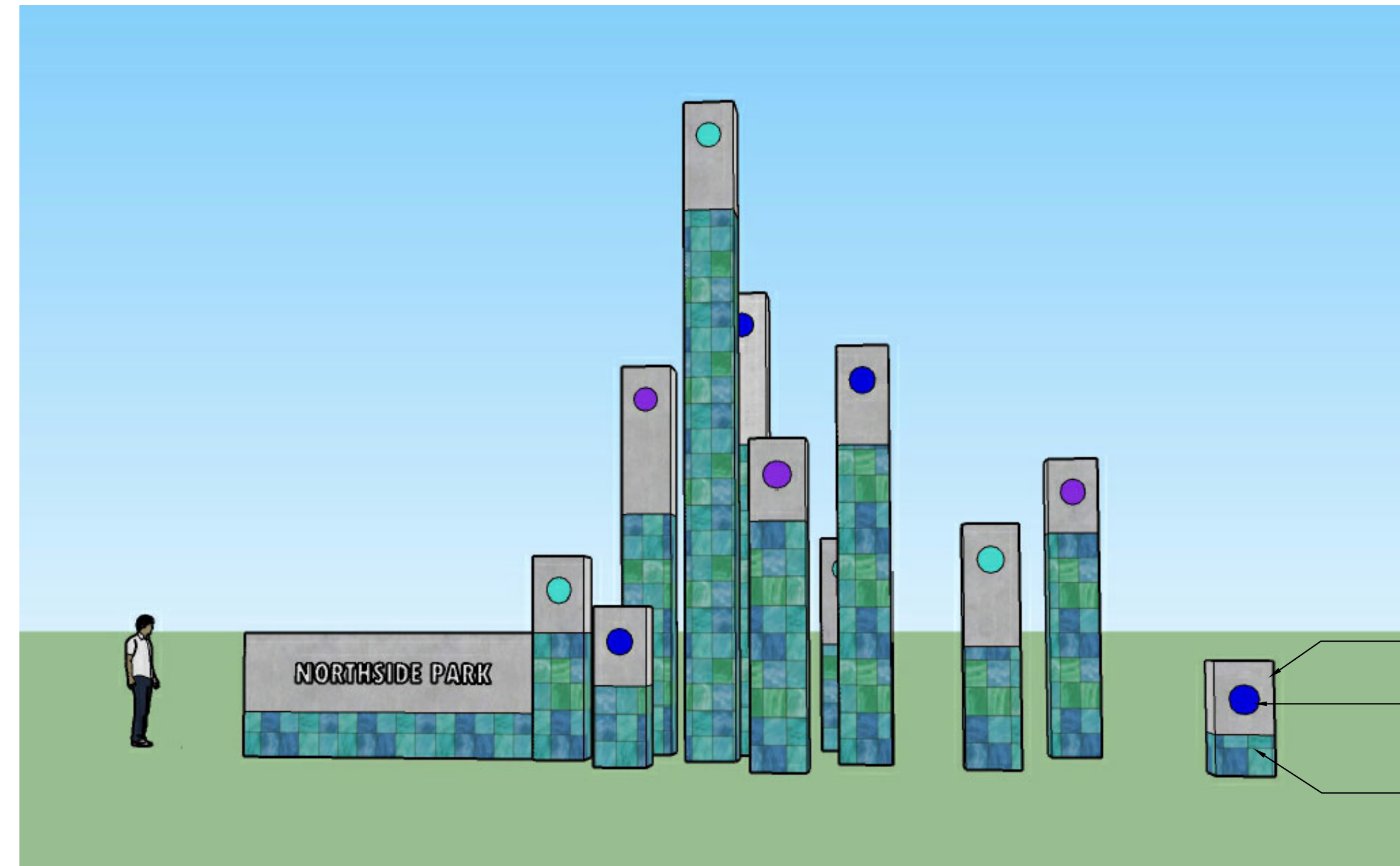
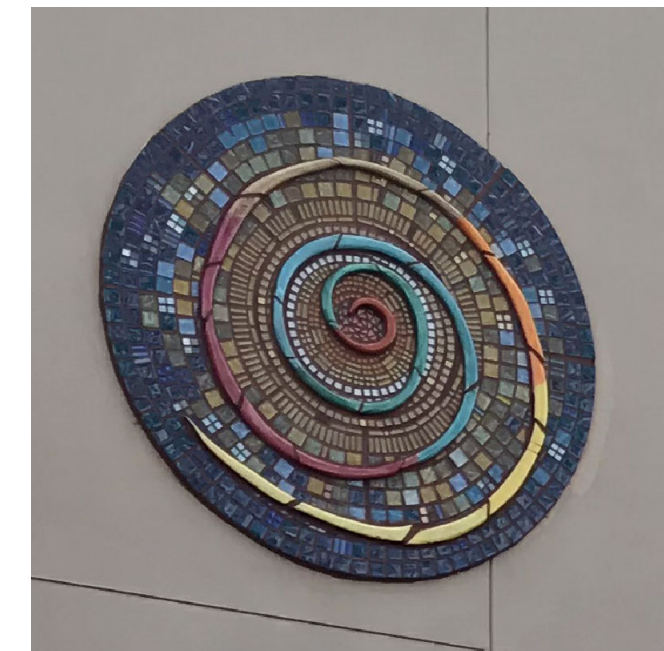
## INSPIRATION

- Celebrate the multigenerational nature of Northside Park
- Honor existing public art within the park and relate to existing materials and colors
- Create a bold and colorful visual statement along US 441 to identify the park



## CONCEPT

- "A community of fun awaits all ages at Northside Park"
- Represent multi-generational park visitors as a group of colorful pillars of varying heights and colors to represent different ages
- Utilize integral colored concrete and colorful tile inspired by existing park art
- Introduce a plexiglass/translucent colorful material for the circle of light within each for a color pop and to allow night-time attraction. Installation is illuminated at night from within and via light bands/rope or channels around pillars at key heights.
- A ground monument sign could be incorporated. Design to meet City of Gainesville sign design requirements.
- Low plantings define and ground the installation while allowing for easier grounds maintenance
- All located outside of the clear zone of US 441 and outside of utility setbacks
- All located outside of existing disc golf areas of play
- 12 total pillars. Pillars are 2'x2' and heights vary in 4' increments, from 4' to 26'.

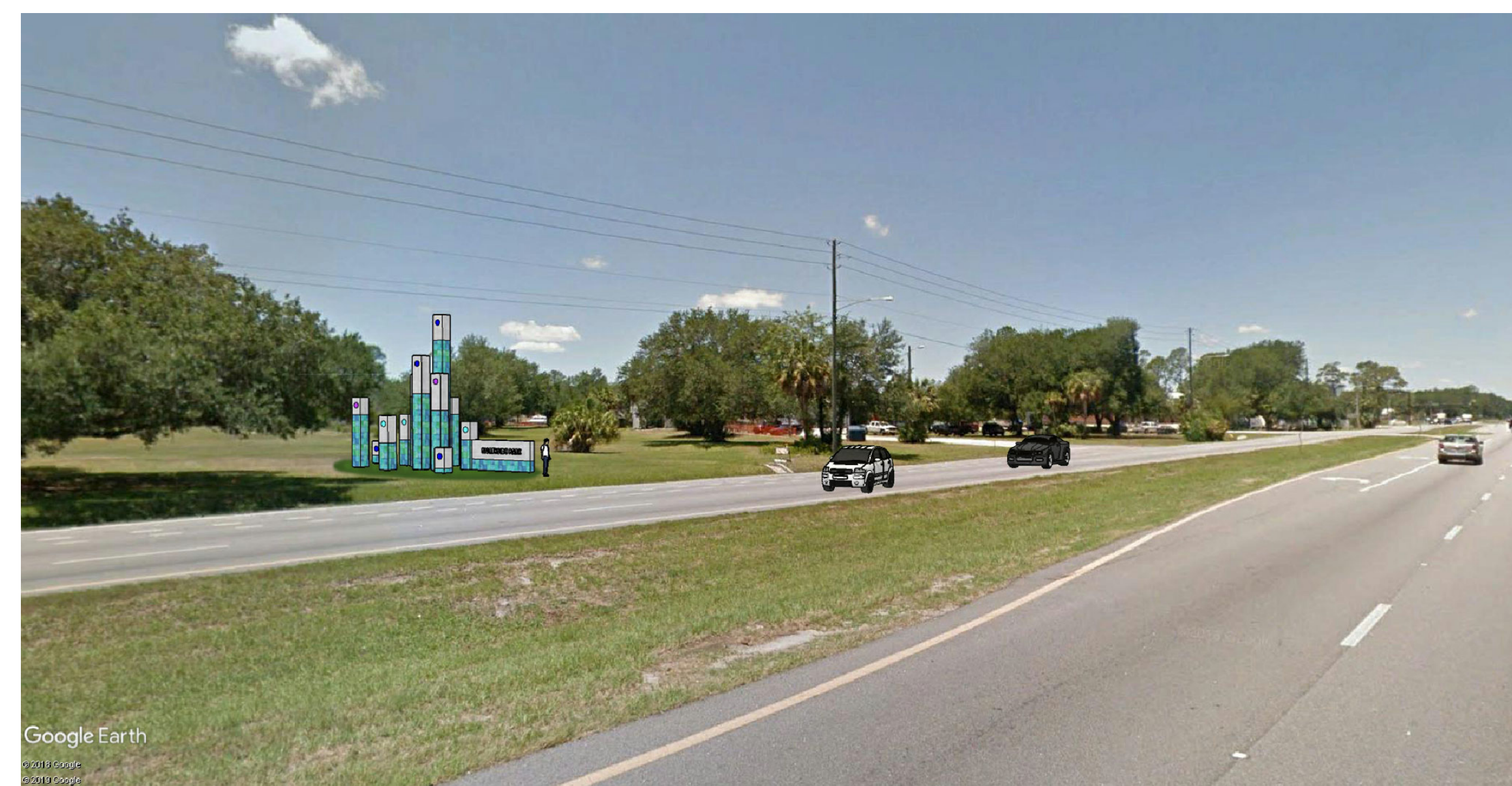


### TYPICAL MATERIALS

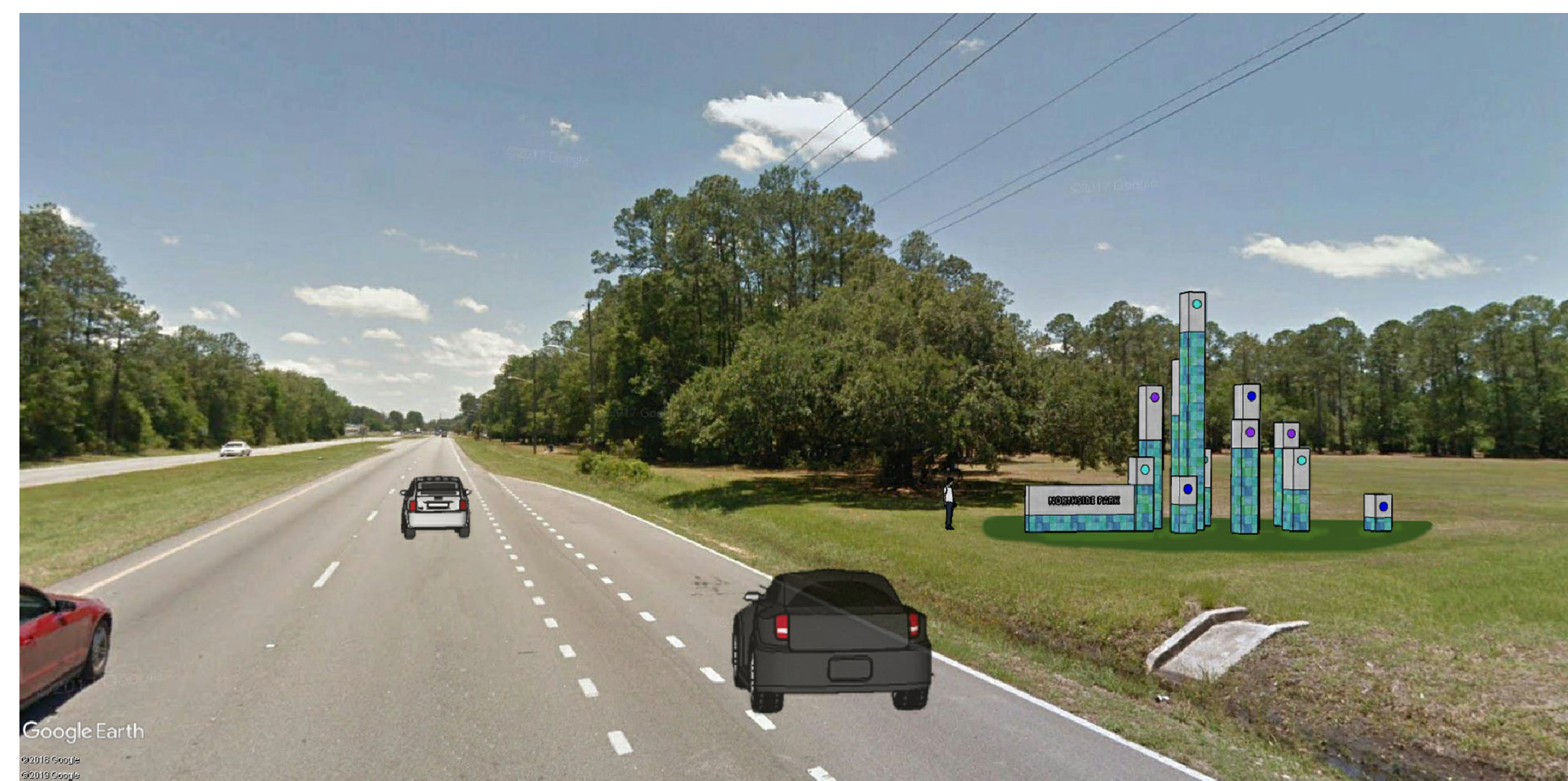
INTEGRAL COLOR CONCRETE PILLAR, COLOR TO BE DETERMINED

TRANSLUCENT PLEXIGLASS, INTERNALLY LIT

CERAMIC TILE IN MOSAIC OR RANDOM PATTERN, COLOR BLEND TO BE DETERMINED AND TO RELATE TO EXISTING PUBLIC ART ON SENIOR CENTER FACADE



NORTHBOUND



SOUTHBOUND

1 ICONIC ART/SIGN FEATURE  
SCALE: N.T.S.

SEAL:

NOT FOR CONSTRUCTION

PROJECT NO: 18-0072.001

CLIENT'S NO:

ISSUED FOR: 90% REVIEW

ISSUED DATE: 21 JAN 2019

REVISIONS:

SCALE:

AS SHOWN

SHEET TITLE:  
**HARDSCAPE DETAILS**

SHEET NUMBER:  
**L-113**

# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



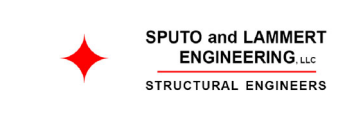
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648



Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SEAL:

NOT FOR CONSTRUCTION

PROJECT NO: 18-0072.001

CLIENTS NO:

ISSUED FOR: 90% REVIEW

ISSUED DATE: 21 JAN 2019

REVISIONS:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

SCALE:  
AS SHOWN

SHEET TITLE:  
HARDSCAPE DETAILS

SHEET NUMBER:  
L-114



- (A) LARGE PICNIC PAVILION
- (B) MEDIUM PICNIC PAVILION
- (C) SMALL PICNIC PAVILION
- (AQ) VENDING PAVILION

1 PICNIC PAVILION  
SCALE: N.T.S.



(D) SHADE SAILS

2 SHADE SAILS  
SCALE: N.T.S.



- (E) LARGE SHADE STRUCTURE
- (F) MEDIUM SHADE STRUCTURE
- (G) SMALL SHADE STRUCTURE

3 SHADE STRUCTURE  
SCALE: N.T.S.



(H) TYPICAL BENCH, BACKED

4 TYPICAL BENCH  
SCALE: N.T.S.



(J) PICNIC TABLE

5 NOT USED  
SCALE: N.T.S.

6 PICNIC TABLE  
SCALE: N.T.S.



- (K) 4-CHAIR TABLE
- (L) 3-CHAIR TABLE

NOTE:  
REFER TO PLAN REGARDING WHICH TABLES RECEIVE UMBRELLAS.  
  
REFER TO PLAN REGARDING WHICH IS 4-CHAIR OR 3-CHAIR TABLE.

7 TYPICAL TABLE  
SCALE: N.T.S.



(N) TABLE UMBRELLA

Aluminum Pole

8 GAME TABLE  
SCALE: N.T.S.



(M) 4-CHAIR GAME TABLE

NOTE:  
TABLES WITHOUT UMBRELLAS INCLUDE CUSTOM GAME BOARD IN CENTER OF TABLE. FLUSH WITH TABLE.



(O) LITTER & RECYCLING RECEPTACLE

9 LITTER & RECYCLING RECEPTACLE  
SCALE: N.T.S.



(P) DOG WASTE STATION

10 DOG WASTE STATION  
SCALE: N.T.S.



(Q) BIKE RACK

11 BIKE RACK  
SCALE: N.T.S.



(R) GRILL

12 GRILL  
SCALE: N.T.S.

C:\Users\Sarah McDermott\Box\Project\2018\18-052 Northside CDs - DRMP\04\_Production\09\_CDs\2018-12-17 90% 01\_Sheets\18052\_MD Northside\_HS Det Finish.dwg PLOT DATE 1/21/2019 10:46 AM BY MAF



(S) DRINKING FOUNTAIN

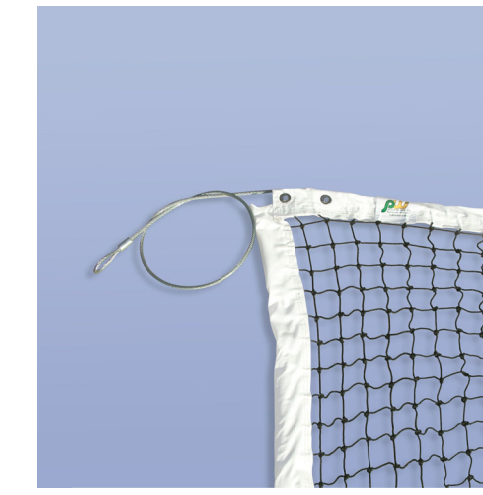
1 DRINKING FOUNTAIN  
SCALE: N.T.S.



(T) TENNIS POSTS

(U) TENNIS NET

2 TENNIS POSTS AND NET  
SCALE: N.T.S.



(W) PICKLEBALL NET



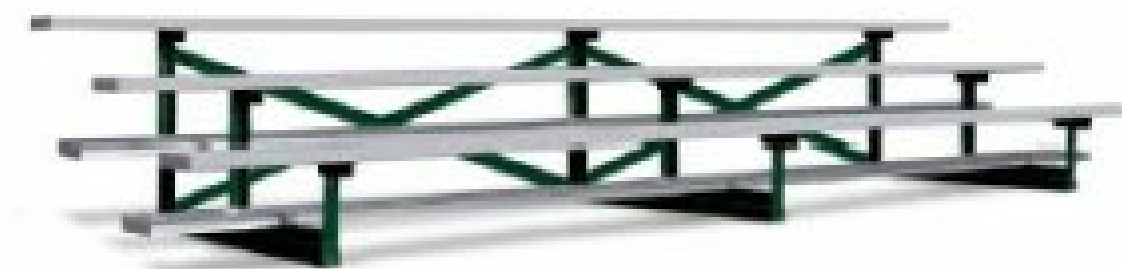
(V) PICKLEBALL POSTS

3 PICKLEBALL POSTS AND NET  
SCALE: N.T.S.



(AP) TABLE TENNIS

4 TABLE TENNIS  
SCALE: N.T.S.



(X) 3-ROW BLEACHER

5 3-ROW BLEACHER  
SCALE: N.T.S.



(Z) DISC GOLF TARGET

6 DISC GOLF TARGET  
SCALE: N.T.S.



(AH) SCORE KEEPER

7 SCORE KEEPER  
SCALE: N.T.S.

# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



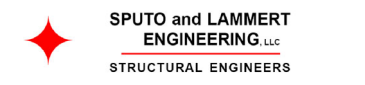
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

## MANLEY DESIGN

Landscape Architecture • Site Planning  
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SEAL:

NOT FOR CONSTRUCTION

PROJECT NO: 18-0072.001  
CLIENT'S NO:  
ISSUED FOR: 90% REVIEW

ISSUED DATE: 21 JAN 2019  
REVISIONS:

SCALE:  
AS SHOWN

SHEET TITLE:  
HARDSCAPE DETAILS

SHEET NUMBER:  
L-115



FINISH SCHEDULE

SYM	ITEM	DESCRIPTION
<p>NOTE:</p> <ul style="list-style-type: none"> <li>SUBMIT SAMPLES AND SHOP DRAWINGS FOR ALL ITEMS FOR OWNER REPRESENTATIVE'S APPROVAL PRIOR TO ORDERING/ INSTALLATION.</li> <li>SUBSTITUTIONS SHALL NOT BE ACCEPTED WITHOUT PRIOR APPROVAL BY OWNER REPRESENTATIVE.</li> <li>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 AND 6'-0" x 6'-0" FOR PAVING AREAS.</li> <li>ADHERE TO MANUFACTURERS INSTALLATION PROCEDURES AND SPECIFICATIONS.</li> </ul>		
(A)	LARGE PICNIC PAVILION	PRODUCT: 34' x 22' All Steel Gable Picnic Shelter, 4:12 Roof Pitch, Model No. AS-G2234-04, Standard by RCP Shelters, Inc. FINISH: Standard COLOR: Roof = 'Surrey Beige', posts and beams = 'Building Brown' SUPPLIER: RCP Shelters, Inc., www.rcpshelters.com, (866) 426-8660
(B)	MEDIUM PICNIC PAVILION	PRODUCT: 28' x 20' All Steel Gable Picnic Shelter, 4:12 Roof Pitch, Model No. AS-G2028-04, Standard by RCP Shelters, Inc. FINISH: Standard COLOR: Roof = 'Surrey Beige', posts and beams = 'Building Brown' SUPPLIER: RCP Shelters, Inc., www.rcpshelters.com, (866) 426-8660
(C)	SMALL PICNIC PAVILION	PRODUCT: 28' x 14' All Steel Gable Picnic Shelter, 4:12 Roof Pitch, Model No. AS-G1428-04, Standard by RCP Shelters, Inc. FINISH: Standard COLOR: Roof = 'Surrey Beige', posts and beams = 'Building Brown' SUPPLIER: RCP Shelters, Inc., www.rcpshelters.com, (866) 426-8660
(D)	SHADE SAILS	PRODUCT: Fabric Hypar Sails, sizes vary, Model No. FS-HYP, by RCP Shelters, Inc. FINISH: Standard COLOR: Standard, TBD SUPPLIER: RCP Shelters, Inc., www.rcpshelters.com, (866) 426-8660
(E)	LARGE SHADE STRUCTURE	PRODUCT: Fabric Cantilever Hip Shade Structure, Model No. FS-CH1040-12, size 10'x40' and 12' height, by RCP Shelters, Inc. FINISH: Standard COLOR: Standard, TBD SUPPLIER: RCP Shelters, Inc., www.rcpshelters.com, (866) 426-8660
(F)	MEDIUM SHADE STRUCTURE	PRODUCT: Fabric Cantilever Hip Shade Structure, Model No. FS-CH0618-08, size 6'x18' and 8' height, by RCP Shelters, Inc. FINISH: Standard COLOR: Standard, TBD SUPPLIER: RCP Shelters, Inc., www.rcpshelters.com, (866) 426-8660
(G)	SMALL SHADE STRUCTURE	PRODUCT: Fabric Cantilever Hip Shade Structure, Model No. FS-CH0608-08, size 6'x8' and 8' height, by RCP Shelters, Inc. FINISH: Standard COLOR: Standard, TBD SUPPLIER: RCP Shelters, Inc., www.rcpshelters.com, (866) 426-8660
(H)	TYPICAL BENCH, BACKED	PRODUCT: Backed bench, Model No. 940P-VS, 6' length, surface mount, by UltraPlay FINISH: TBD COLOR: Standard, TBD SUPPLIER: Ultra Play, (800) 458-5872 or www.ultraplay.com
(I)	NOT USED	
(J)	PICNIC TABLE	PRODUCT: Accessible picnic table, Model No. 238-V6, 6' length, by UltraPlay FINISH: TBD COLOR: Standard, TBD SUPPLIER: UltraPlay, (800) 458-5872 or www.ultraplay.com
(K)	4-CHAIR TABLE	PRODUCT: Model # 101-40, 42" diameter, w/ 4 attached chairs & umbrella hole, portable FINISH: Standard, circle perforation chairs with solid table top by DuMor COLOR: Standard, TBD SUPPLIER: DuMor, www.dumor.com, Mary Langley, mary@repseervices.com, (407) 831-9658 x305
(L)	3-CHAIR TABLE	PRODUCT: Model # 101-30, 42" diameter, w/ 4 attached chairs & umbrella hole, portable FINISH: Standard, circle perforation chairs with solid table top by DuMor COLOR: Standard, TBD SUPPLIER: DuMor, www.dumor.com, Mary Langley, mary@repseervices.com, (407) 831-9658 x305
(M)	4-CHAIR GAME TABLE	PRODUCT: Model # 101-40, 42" diameter, w/ 4 attached chairs & 16-1/4" sq. aluminum checkerboard FINISH: Standard, circle perforation chairs with solid table top by DuMor COLOR: Standard, TBD SUPPLIER: DuMor, www.dumor.com, Mary Langley, mary@repseervices.com, (407) 831-9658 x305
(N)	TABLE UMBRELLA	PRODUCT: 9' diameter Market Umbrella one-piece pole by Wabash Valley FINISH: Powdercoat pole and marine-grade fabric COLOR: Standard, TBD SUPPLIER: Wabash Valley, www.wabashvalley.com, (260) 352-2102
(O)	LITTER & RECYCLING RECEPTACLE	PRODUCT: City of Gainesville PRCA standard by Arete furnishings FINISH: Standard COLOR: Standard SUPPLIER: Arete, Dan Morrison at dan.morrison@areteindustries.us
(P)	DOG WASTE STATION	PRODUCT: Aluminum Dogipot pet station no. 1003-I by Dogipot FINISH: Standard COLOR: Standard, TBD SUPPLIER: Dogipot, www.dogipot.com, (800) 364-7681 and
(Q)	BIKE RACK	PRODUCT: Loop bike rack, Model No. 1700-00P, 36" H x 42" W (2 spaces), by PW Athletic FINISH: Powder Coated COLOR: Standard, TBD SUPPLIER: PW Athletic Manufacturing Co., www.pwathletic.com, (800) 687-5768
(R)	GRILL	PRODUCT: Galvanized single grill, 15" x 20", Model No. 1140-05, by PW Athletic, surface-mount FINISH: Galvanized COLOR: Standard, TBD SUPPLIER: PW Athletic Manufacturing Co., www.pwathletic.com, (800) 687-5768
(S)	DRINKING FOUNTAIN	PRODUCT: Pedestal hi/low drinking fountain, Model No. 440 SM, with pet fountain, and recessed hose bibb & lock door by Most Dependable Fountains, Inc. FINISH: Powdercoat with stainless steel surface carrier COLOR: Standard, TBD SUPPLIER: Most Dependable Fountains, Inc., www.mostdependable.com, (901) 867-0039
(T)	TENNIS POSTS	PRODUCT: Tennis Posts Model No. 2206-GR Round Tennis Posts, 1 pair, by PW Athletic FINISH: Powdercoat COLOR: Green SUPPLIER: PW Athletic Manufacturing Co., www.pwathletic.com, (800) 687-5768
(U)	TENNIS NET	PRODUCT: Premium Tennis Net, Model No. 8352, 42' x 3-1/2' FINISH: Standard COLOR: Standard SUPPLIER: PW Athletic Manufacturing Co., www.pwathletic.com, (800) 687-5768

FINISH SCHEDULE, con't

SYM	ITEM	DESCRIPTION
(V)	PICKLEBALL POSTS	PRODUCT: Pickleball Posts 3-1/2" O.D. with 2 Fixed Eyes, Net Tightener, and Top Pulley FINISH: Powdercoat COLOR: Green SUPPLIER: PW Athletic Manufacturing Co., www.pwathletic.com, (800) 687-5768
(W)	PICKLEBALL NET	PRODUCT: Pickleball Net, Model No. 8354-36, 36" x 22' FINISH: Standard COLOR: Standard SUPPLIER: PW Athletic Manufacturing Co., www.pwathletic.com, (800) 687-5768
(X)	3-ROW BLEACHER	PRODUCT: 3-Row bleachers, Model No. 1183-315A, 21' length without guardrails FINISH: Aluminum COLOR: Standard SUPPLIER: PW Athletic Manufacturing Co., www.pwathletic.com, (800) 687-5768
(Y)	WINDSCREEN	PRODUCT: Polypropylene tennis court windscreen, 85% opacity FINISH: Standard COLOR: Dark Green SUPPLIER: TBD
(Z)	DISC GOLF TARGET	PRODUCT: DISCatcher Pro 28 permanent disc golf target by Innova FINISH: Standard with hole numbers noted in basket banner COLOR: Standard SUPPLIER: Innova East, www.innovadiscs.com, (800) 476-3968
(AA)	CULTURED STONE	PRODUCT: Cultured stone wall veneer FINISH: To match existing at Senior Center COLOR: To match existing at Senior Center SUPPLIER: TBD
(AB)	PRECAST CONCRETE	PRODUCT: Precast concrete wall cap FINISH: To match existing at Senior Center COLOR: To match existing at Senior Center SUPPLIER: TBD
(AC)	STAIR HANDRAIL	PRODUCT: 1-1/4" Schedule 40 stainless steel pipe handrail (O.D. 1.66") FINISH: Stainless steel COLOR: Natural SUPPLIER: TBD
(AD)	TENNIS SURFACING	PRODUCT: Asphalt court surface color acrylic coating system with line paint FINISH: N/A COLOR: Blue play area, dark green outside play areas, white tennis striping, light blue youth striping, and yellow Pickleball corner and net markings SUPPLIER: TBD
(AE)	PICKLEBALL SURFACING	PRODUCT: Asphalt court surface color acrylic coating system with line paint FINISH: N/A COLOR: Blue play area, dark green outside play areas, white Pickleball striping SUPPLIER: TBD
(AF)	COURT FENCING	PRODUCT: Galvanized chain-link fencing to match existing tennis court fencing FINISH: Standard COLOR: N/A SUPPLIER: TBD
(AG)	COURT GATE	PRODUCT: Galvanized chain-link gate to match existing tennis court fencing FINISH: Standard COLOR: N/A SUPPLIER: TBD
(AH)	SCORE KEEPER	PRODUCT: Scoreboard for Bocce, Petanque, and Horseshoes FINISH: Standard COLOR: Standard SUPPLIER: Welch Tennis, www.welchtennis.com, (800) 282-4415 or approved equal
(AI)	LIMESTONE SCREENINGS	PRODUCT: Clean limestone screenings FINISH: N/A COLOR: N/A SUPPLIER: TBD
(AJ)	HAR-TRU SURFACING	PRODUCT: Har-Tru clay surfacing FINISH: Standard COLOR: Standard SUPPLIER: Har-Tru, www.hartru.com, (877) 4HAR-TRU, or approved equal
(AK)	ENGINEERED WOOD FIBER MULCH	PRODUCT: Engineered wood fiber mulch play surfacing FINISH: Chips COLOR: Natural SUPPLIER: TBD
(AL)	SYNTHETIC TURF	PRODUCT: Synthetic turf play surfacing FINISH: Commercial play grade COLOR: TBD SUPPLIER: TBD
(AM)	NOT USED	
(AN)	PAINT FOR PLAY FOUNTAIN	PRODUCT: Aquatic/marine grade paint with shark grip slip-resistant additive FINISH: Non-slip COLOR: TBD SUPPLIER: TBD
(AO)	POP JET PLAY FOUNTAIN	PRODUCT: Pop jet play fountain nozzle, commercial grade FINISH: Standard COLOR: Standard SUPPLIER: TBD
(AP)	TABLE TENNIS	PRODUCT: Table Park, 9 mm panel, 80 mm frame, outdoor use, mattop, steel fixed FINISH: Resin Laminated, galvanized steel COLOR: Grey - color reference #127 137 SUPPLIER: Comileau France, www.comileau-service.com
(AQ)	VENDING PAVILION	PRODUCT: 20' x 22' All Steel Gable Picnic Shelter with partial enclosure, 4:12 Roof Pitch, Model No. AS-ENC-2022-04, by RCP Shelters, Inc. Enclosure size to be determined. CMU block walls to be used for enclosure. FINISH: Standard COLOR: Roof = 'Surrey Beige', posts and beams = 'Building Brown' SUPPLIER: RCP Shelters, Inc., www.rcpshelters.com, (866) 426-8660

NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



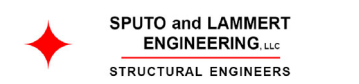
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

MANLEY DESIGN

Landscape Architecture • Site Planning  
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SCALE:

PROJECT NO: 18-0072.001  
CLIENT'S NO:  
ISSUED FOR: 90% REVIEW

ISSUED DATE: 21 JAN 2019

REVISIONS:

SCALE:  
AS SHOWN

SHEET TITLE:  
HARDSCAPE FINISH  
SCHEDULE

SHEET NUMBER:  
L-116

NOT FOR CONSTRUCTION

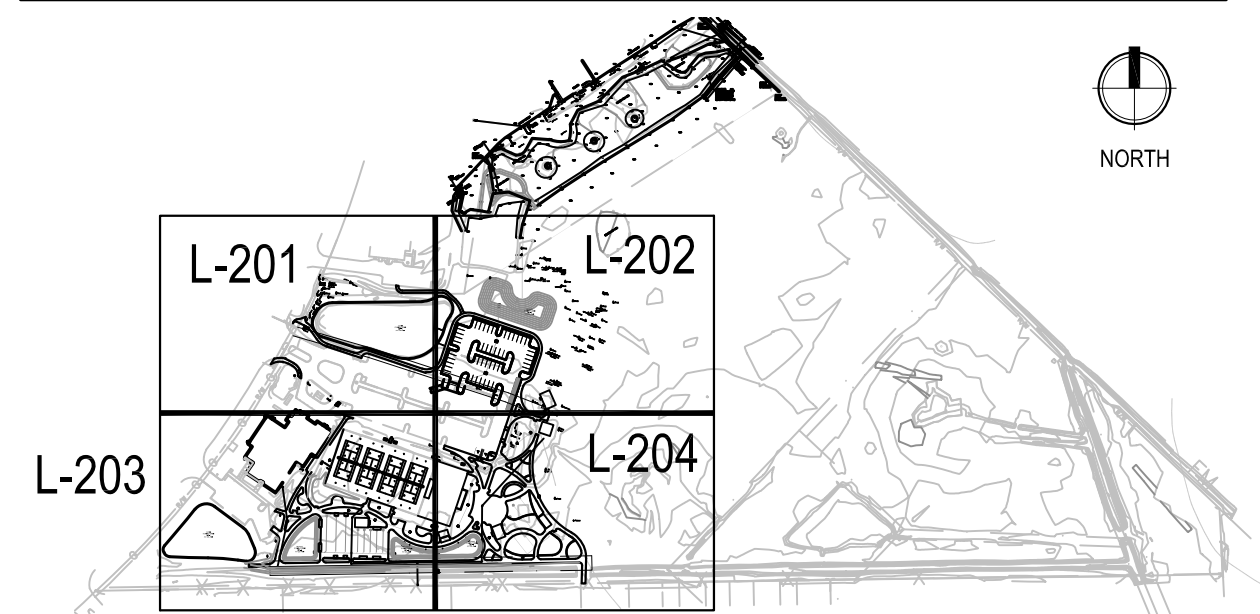
LANDSCAPE NOTES

- PRE-CONSTRUCTION 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.
- 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.
- EXISTING UTILITIES:** LOCATE ALL UTILITIES PRIOR TO COMMENCEMENT OF WORK. CALL SUNSHINE STATE ONE CALL - SEE LOGO BELOW.
- 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.
- 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.
- PRUNING:** IF TREE OR ROOT PRUNING IS REQUIRED, THESE ACTIVITIES SHALL BE PERFORMED BY AN ARBORIST CERTIFIED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA). TREE 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). 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.
- 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.
- 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.
- 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.
- 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.
- SOD:** ALL UNPAVED AND DISTURBED AREAS OUTSIDE OF PROPOSED TREE, SHRUB, AND GROUND COVER 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.
- MULCHING:** FOUR INCHES OF MULCH SHALL COVER TREE RING PLANTING AREAS AND ALL SHRUB AND GROUND COVER 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 PINE STRAW SHALL BE USED. MULCH TO BE FREE OF DEBRIS, STICKS, AND CONES.
- IRRIGATION:** SEE IRRIGATION PLANS.
- 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.
- 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.
- SUBMITTALS:** PROVIDE REQUIRED SUBMITTALS TO THE OWNER'S REPRESENTATIVE FOR REVIEW AND APPROVAL PRIOR TO COMMENCEMENT OF WORK. SEE TECHNICAL SPECIFICATIONS FOR LIST OF SUBMITTALS.
- SUBSTITUTIONS:** NO SUBSTITUTIONS SHALL BE ACCEPTED UNLESS OWNER'S REPRESENTATIVE APPROVES A SUBMITTAL FROM THE CONTRACTOR INCLUDING THE REASON FOR REQUESTED SUBSTITUTIONS AND A LIST OF ALL REQUESTED ALTERNATIVE MATERIALS WITH SCIENTIFIC AND COMMON NAMES, VARIETIES, SIZES, AND COST DIFFERENCE PER PLANT TYPE. SUBMITTAL SHALL BE APPROVED PRIOR TO ORDERING OF REQUESTED SUBSTITUTIONS.
- EXISTING VEGETATION:** PROTECT EXISTING IMPROVEMENTS, TREES, LANDSCAPE, AND TURF TO REMAIN DURING CONSTRUCTION. PROVIDE IRRIGATION AND MAINTENANCE OF EXISTING MATERIALS TO REMAIN WITHIN PROJECT AREA DURING CONSTRUCTION AND UNTIL FINAL ACCEPTANCE. REPLACEMENT OF EXISTING VEGETATION OR PLANTINGS OR RESTORATION OF AREAS IMPACTED BY CONSTRUCTION ACTIVITIES WILL BE AT THE COST OF THE CONTRACTOR.



KEY SHEET

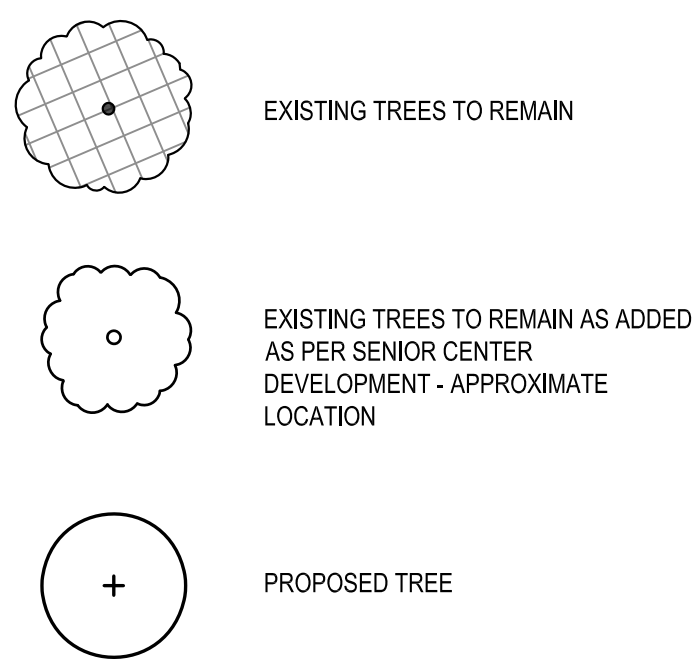
N.T.S.



MATCHLINE SHEET L-201

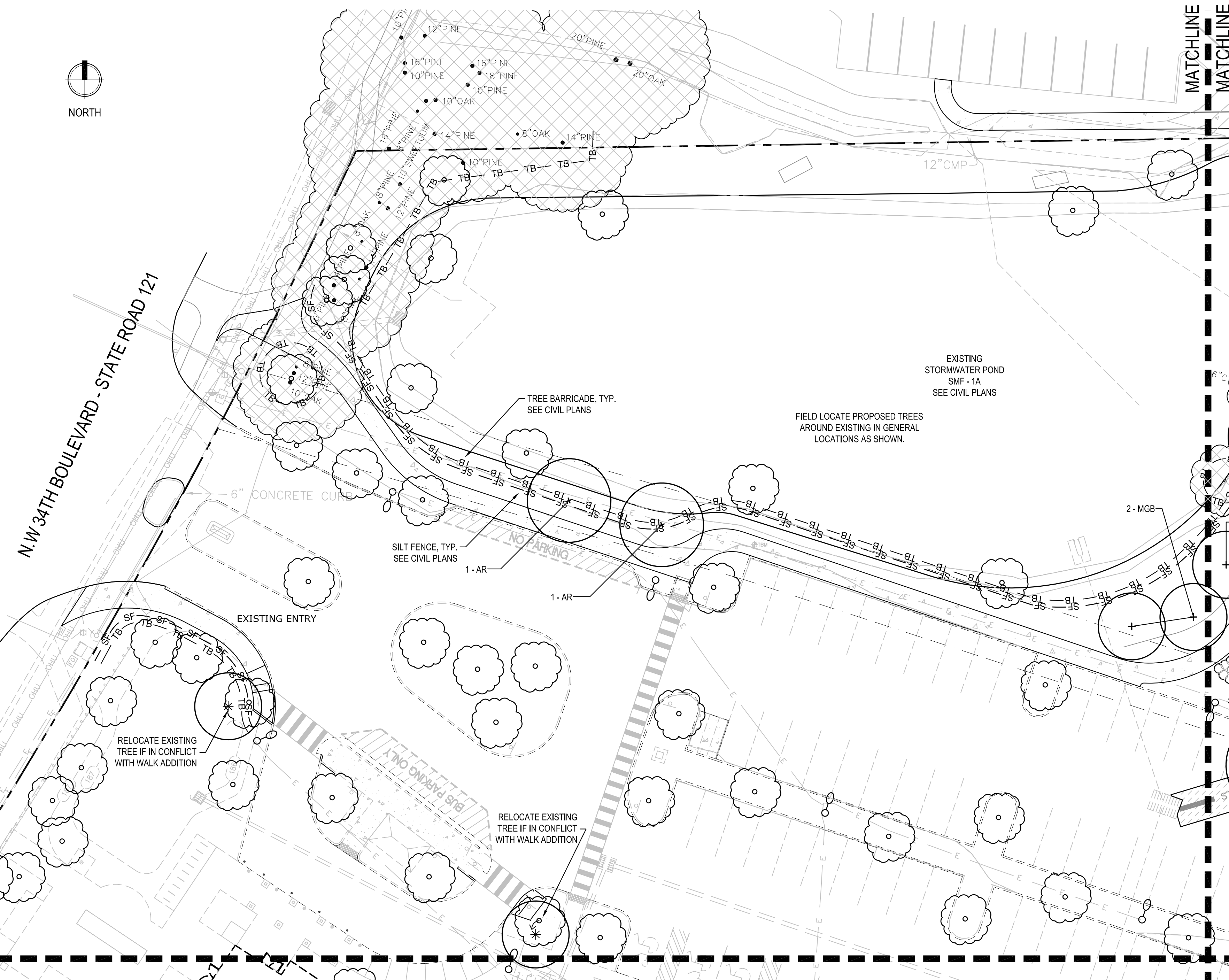
MATCHLINE SHEET L-203

LEGEND



PLANT SCHEDULE

TREES	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	NOTES
AR	Acer rubrum 'Florida Flame'	Florida Flame Red Maple	30 gal., 11' ht. x 48" sprd., 2" cal.	As shown	
BN	Betula nigra 'Duraheat'	Duraheat River Birch	30 gal., 11' ht. x 48" sprd., 2" cal.	As shown	Multi-trunk, three canes minimum
FA	Fraxinus americana	White Ash	30 gal., 11' ht. x 48" sprd., 2" cal.	As shown	
IC	Ilex cassine	Dahoon Holly	30 gal., 10' ht. x 36" sprd., 2" cal.	As shown	
MGB	Magnolia grandiflora 'Brackens Brown Beauty'	Bracken's Southern Magnolia	30 gal., 11' ht. x 48" sprd., 2" cal.	As shown	Full to ground
QV	Quercus virginiana	Southern Live Oak	30 gal., 11' ht. x 48" sprd., 2" cal.	As shown	
TD	Taxodium distichum	Bald Cypress	30 gal., 10' ht. x 48" sprd., 2" cal.	As shown	
UA	Ulmus alata	Winged Elm	30 gal., 11' ht. x 48" sprd., 2" cal.	As shown	
SHRUBS	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	NOTES
AB	Aristida stricta beyrichiana	Wiregrass	1 gal., 12" ht., full	24" o.c.	
DV	Diets vegeta	African Iris	1 gal., 18" ht., full	18" o.c.	
HA	Hamelia patens 'Compacta'	Dwarf Firebush	3 gal., 12" ht. x 12" sprd.	36" o.c.	
ID	Ilex comuta 'Dwarf Burford'	Dwarf Burford Holly	3 gal., 24" ht. x 18" sprd.	30" o.c.	
IVS	Ilex vomitoria 'Schillings Dwarf'	Dwarf Schillings Holly	3 gal., 12" ht. x 18" sprd.	24" o.c.	
MC	Muhlenbergia capillaris	Pink Muhly	3 gal., 24" ht., full	30" o.c.	
PQ	Paspalum quadrifarium	Crowngrass	1 gal., 18" ht., full	36" o.c.	
TF	Tripsacum floridanum	Florida Gamagrass	3 gal., 30" ht., full	36" o.c.	
VS	Viburnum suspensum	Sandankwa Viburnum	3 gal., 24" ht. x 18" sprd.	30" o.c.	
GROUND COVERS	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	NOTES
LEM	Liriope muscari 'Emerald Goddess'	Liriope	1 gal., 12" ht. x 18" sprd.	18" o.c.	
SOD/SEED	BOTANICAL NAME	COMMON NAME	SIZE	NOTES	
SOD	Paspalum notatum 'Argentine'	Bahia Grass	sod	Sand grown and weed free	



NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



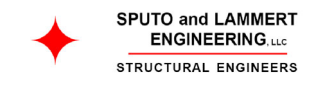
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

MANLEY DESIGN

Landscape Architecture • Site Planning  
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SCALE:

PROJECT NO: 18-0072.001

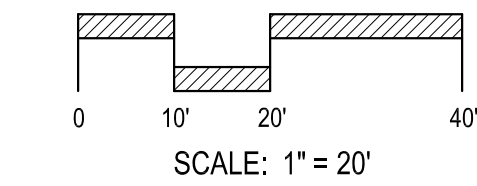
CLIENT'S NO:

ISSUED FOR: 90% REVIEW

ISSUED DATE: 21 JAN 2019

REVISIONS:

SCALE:



SHEET TITLE:  
**LANDSCAPE PLAN,  
NOTES, AND PLANT  
SCHEDULE**

SHEET NUMBER:

**L-201**

C:\Users\Elisabeth Manley\Box\Project\2018\18-052 Northside CDs - DRMP\04 - DRMP\04 - Northside CDs - DRMP\04 - Production\03 - CDs\2018-12-17 90% 01\_Sheets\18052\_MD Northside\_LS Plan.dwg PLOT DATE 1/21/2019 11:52 AM BY MAF

# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



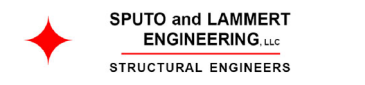
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

## MANLEY DESIGN

Landscape Architecture • Site Planning  
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



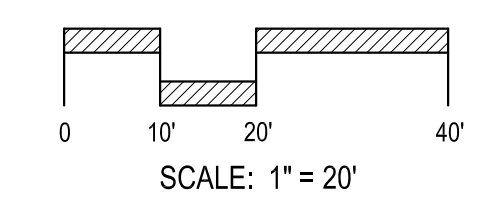
Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SEAL:

PROJECT NO: 18-0072.001  
CLIENT'S NO:  
ISSUED FOR: 90% REVIEW

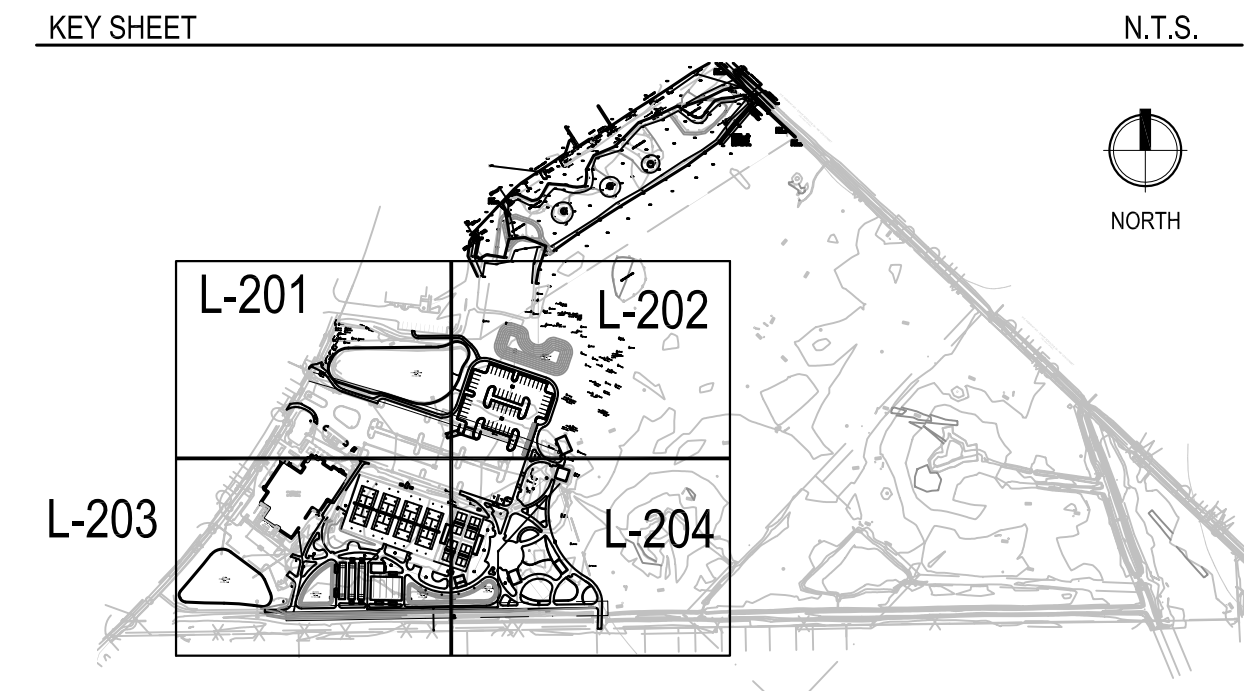
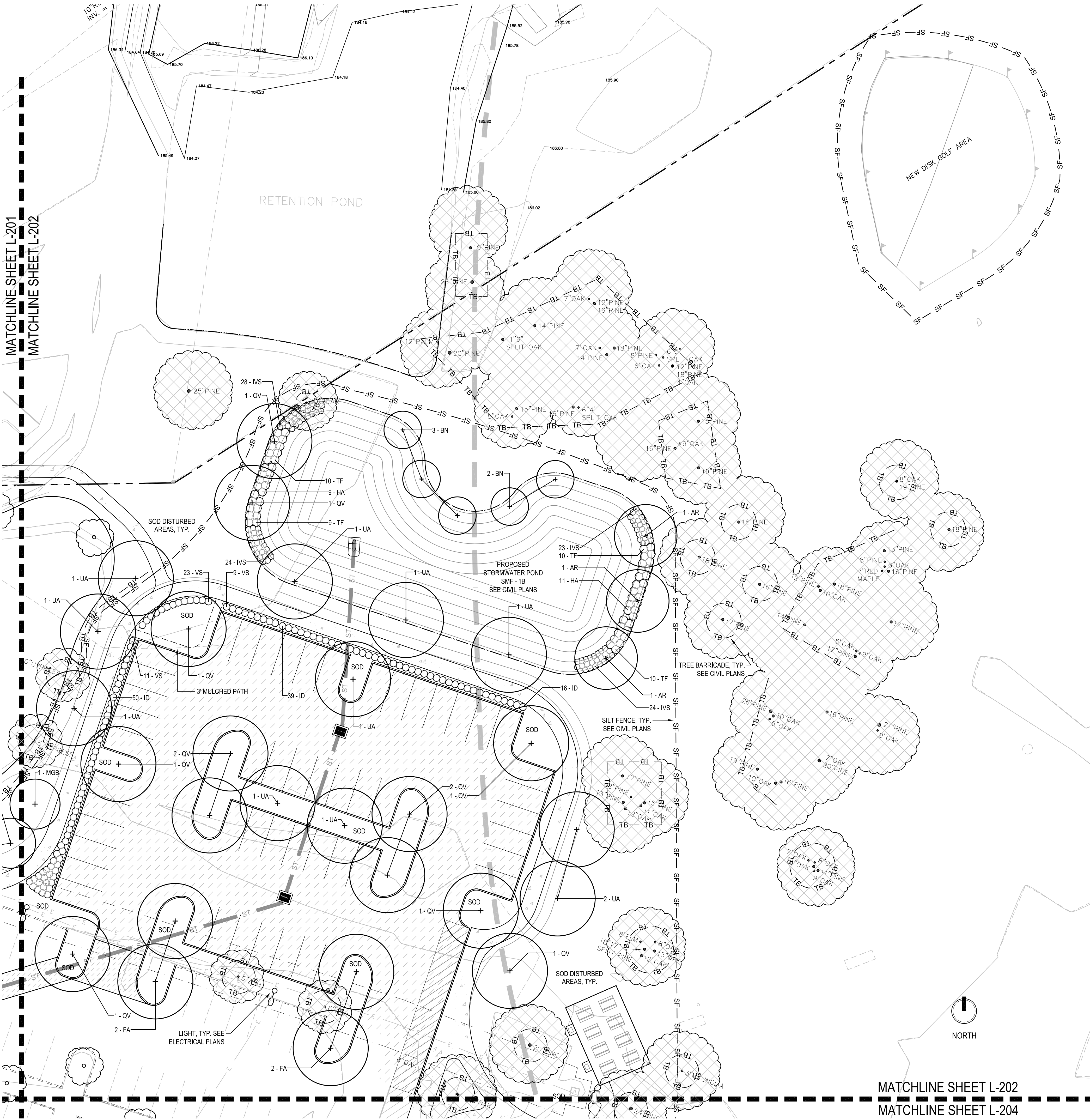
ISSUED DATE: 21 JAN 2019  
REVISIONS:

SCALE:

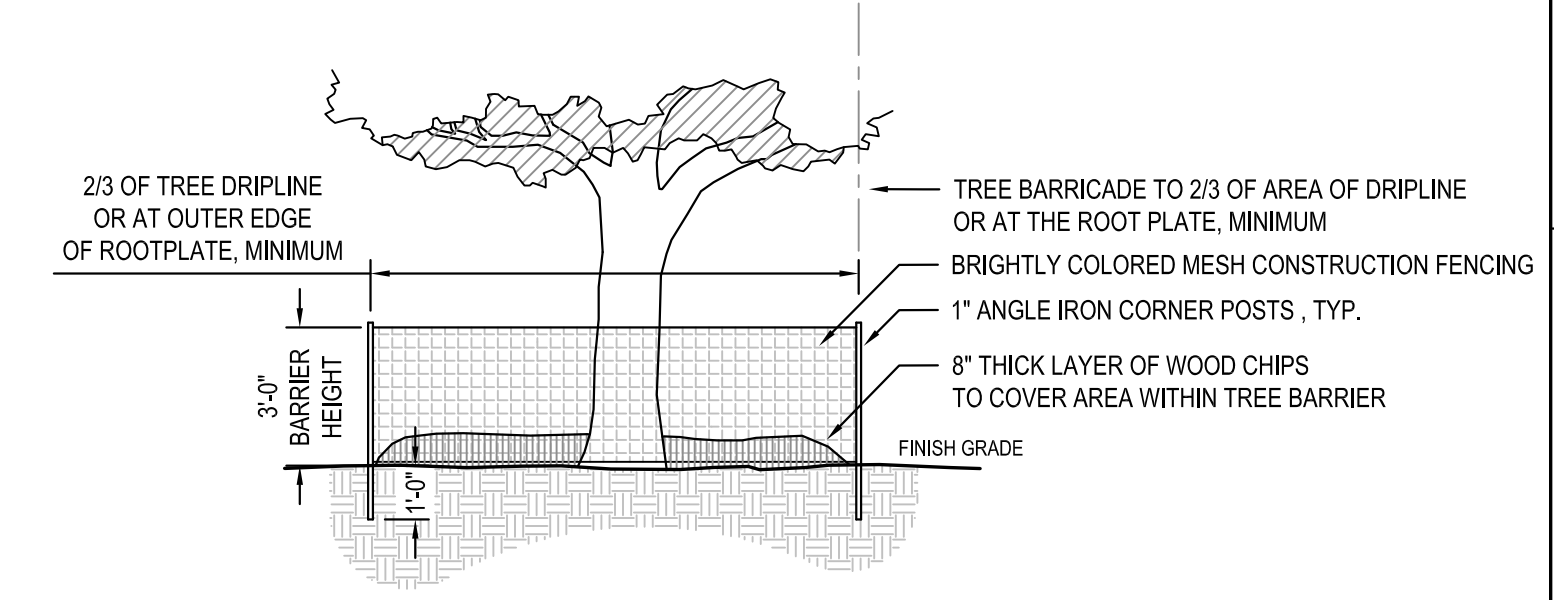


SHEET TITLE:  
**LANDSCAPE PLAN AND DETAIL**

SHEET NUMBER:  
**L-202**



- NOTE:
- 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.
  - NO GRADE CHANGES MAY OCCUR WITHIN TREE BARRIER AREA WITHOUT APPROVAL.
  - LANDSCAPE PREPARATION IN THE PROTECTED AREA SHALL BE LIMITED TO SHALLOW DISING OF THE AREA. DISING SHALL BE LIMITED TO A DEPTH OF FOUR INCHES UNLESS SPECIFICALLY APPROVED OTHERWISE.
  - 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: TYPICAL REGULATED TREE**  
SCALE: N.T.S.

C:\Users\Sarah McDermott\Box\Project\2018\18-052 Northside CD - DRMP\04\_Production\09\_CDs\2018-12-17 90%01\_Sheets\18052\_MD Northside\_LS Plan.dwg PLOT DATE: 1/21/2019 10:29 AM BY MAF

# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



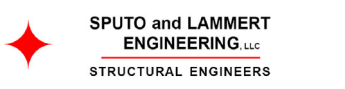
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

## MANLEY DESIGN

Landscape Architecture • Site Planning  
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



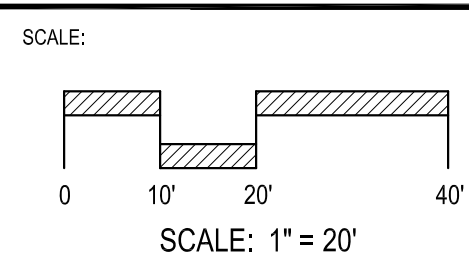
Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SEAL:

PROJECT NO: 18-0072.001  
CLIENT'S NO:  
ISSUED FOR: 90% REVIEW  
ISSUED DATE: 21 JAN 2019  
REVISIONS:



SHEET TITLE:  
**LANDSCAPE PLAN**

SHEET NUMBER:  
**L-203**

MATCHLINE SHEET L-201  
MATCHLINE SHEET L-203

## GAINESVILLE SENIOR RECREATION CENTER

REC CENTER BLDG  
16,992 SF  
(FF EL = 188.00)

N.W. 34TH BOULEVARD - STATE ROAD 121

APPROXIMATE LOCATION OF EXISTING PINES, TYP.

EXISTING STORMWATER POND  
SMF - 2  
SEE CIVIL PLANS

REMOVE OVERGROWTH ON EXISTING POND TREES. TYP. CUT VINES AND REMOVE BY HAND AS POSSIBLE WITHOUT INJURING BRANCHES.

FIELD LOCATE PROPOSED TREES AROUND EXISTING IN GENERAL LOCATIONS AS SHOWN.

PROPOSED STORMWATER POND  
SMF - 3A  
SEE CIVIL PLANS

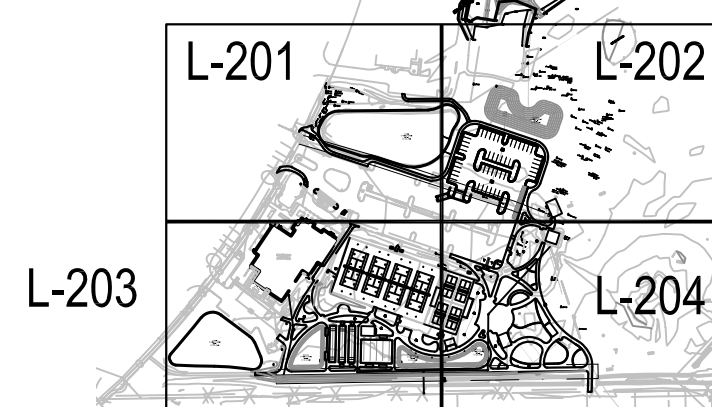
PROPOSED STORMWATER POND  
SMF - 3B  
SEE CIVIL PLANS

TREE BARRICADE, TYP.  
SEE CIVIL PLANS

SILT FENCE, TYP.  
SEE CIVIL PLANS

KEY SHEET

N.T.S.



L 07879-005-007

PARCEL 07879-005-003

PARCEL 07879-005-002

MATCHLINE SHEET L-203  
MATCHLINE SHEET L-204

NOT FOR CONSTRUCTION

# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



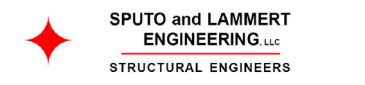
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

## MANLEY DESIGN

Landscape Architecture • Site Planning  
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

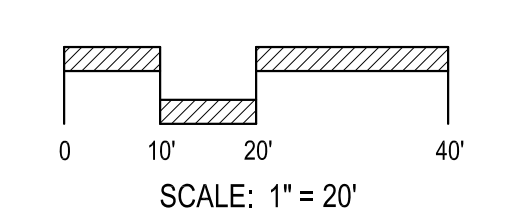
SEAL:

PROJECT NO: 18-0072.001  
CLIENT'S NO:  
ISSUED FOR: 90% REVIEW

ISSUED DATE: 21 JAN 2019

REVISIONS:

SCALE:



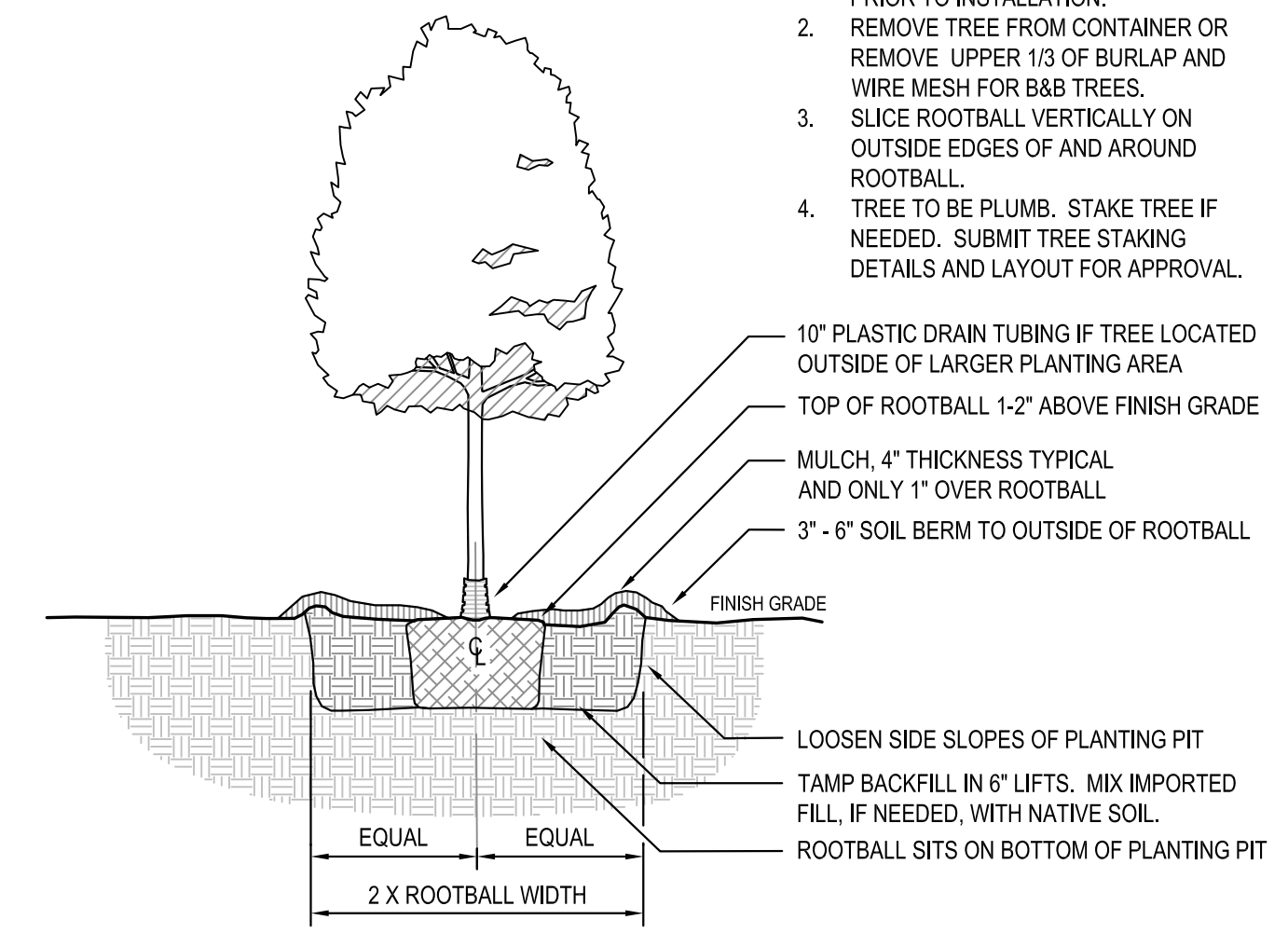
SHEET TITLE:  
**LANDSCAPE PLAN AND DETAILS**

SHEET NUMBER:  
**L-204**

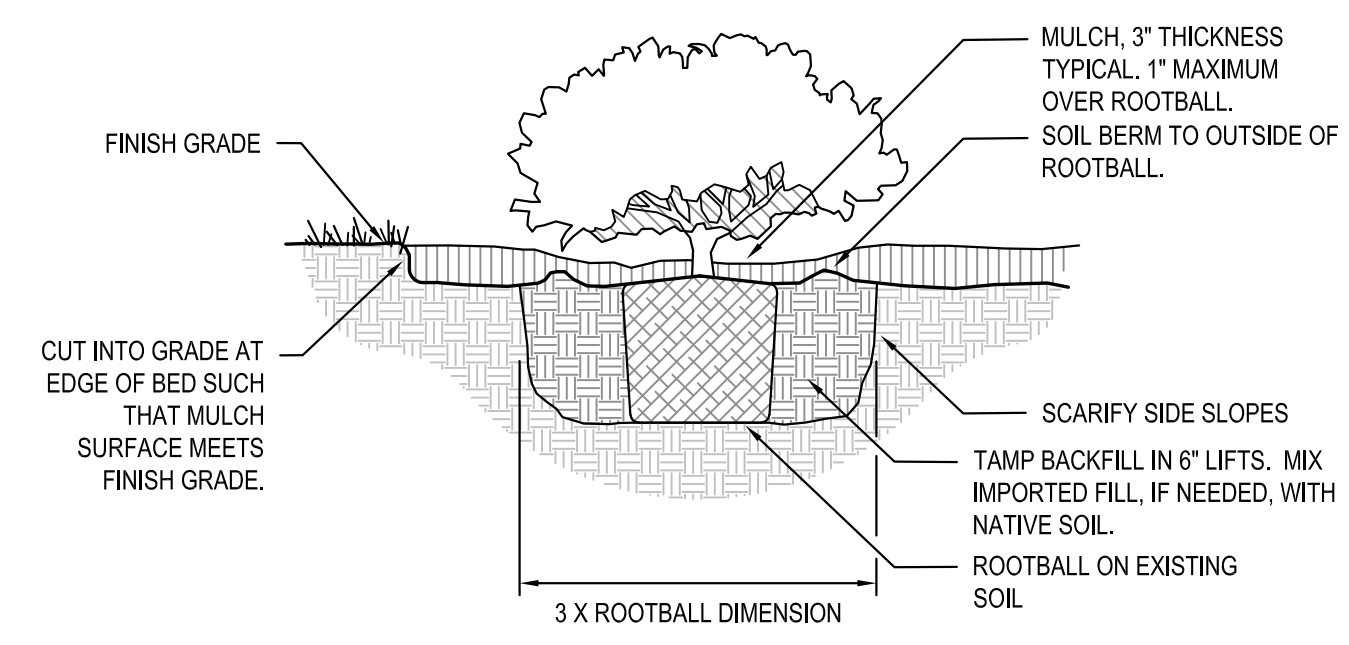
MATCHLINE SHEET L-202  
MATCHLINE SHEET L-204



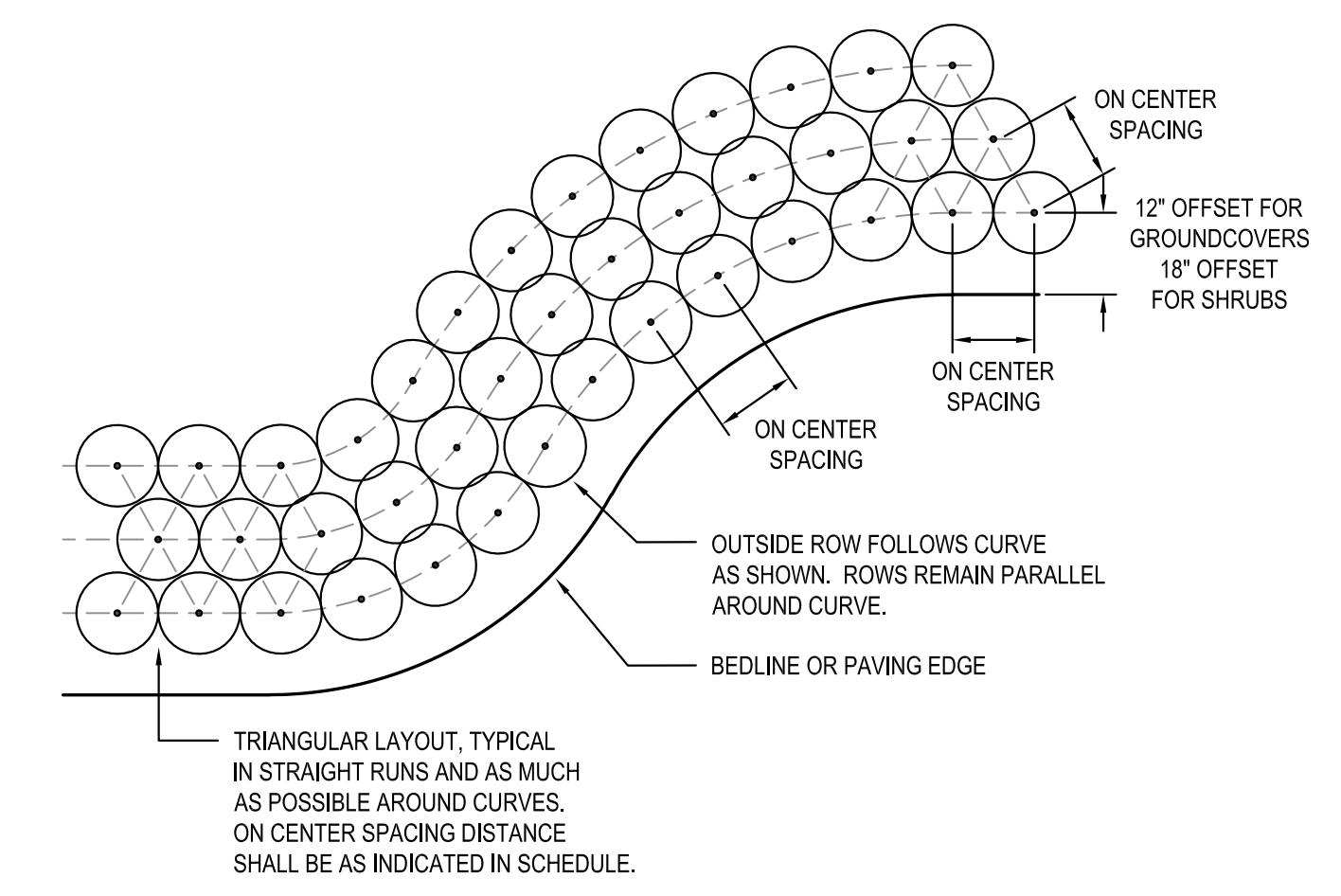
- NOTE:
- ENSURE PLANTING PIT DRAINS WELL PRIOR TO INSTALLATION.
  - REMOVE TREE FROM CONTAINER OR REMOVE UPPER 1/3 OF BURLAP AND WIRE MESH FOR B&B TREES.
  - SLICE ROOTBALL VERTICALLY ON OUTSIDE EDGES OF AND AROUND ROOTBALL.
  - TREE TO BE PLUMB. STAKE TREE IF NEEDED. SUBMIT TREE STAKING DETAILS AND LAYOUT FOR APPROVAL.



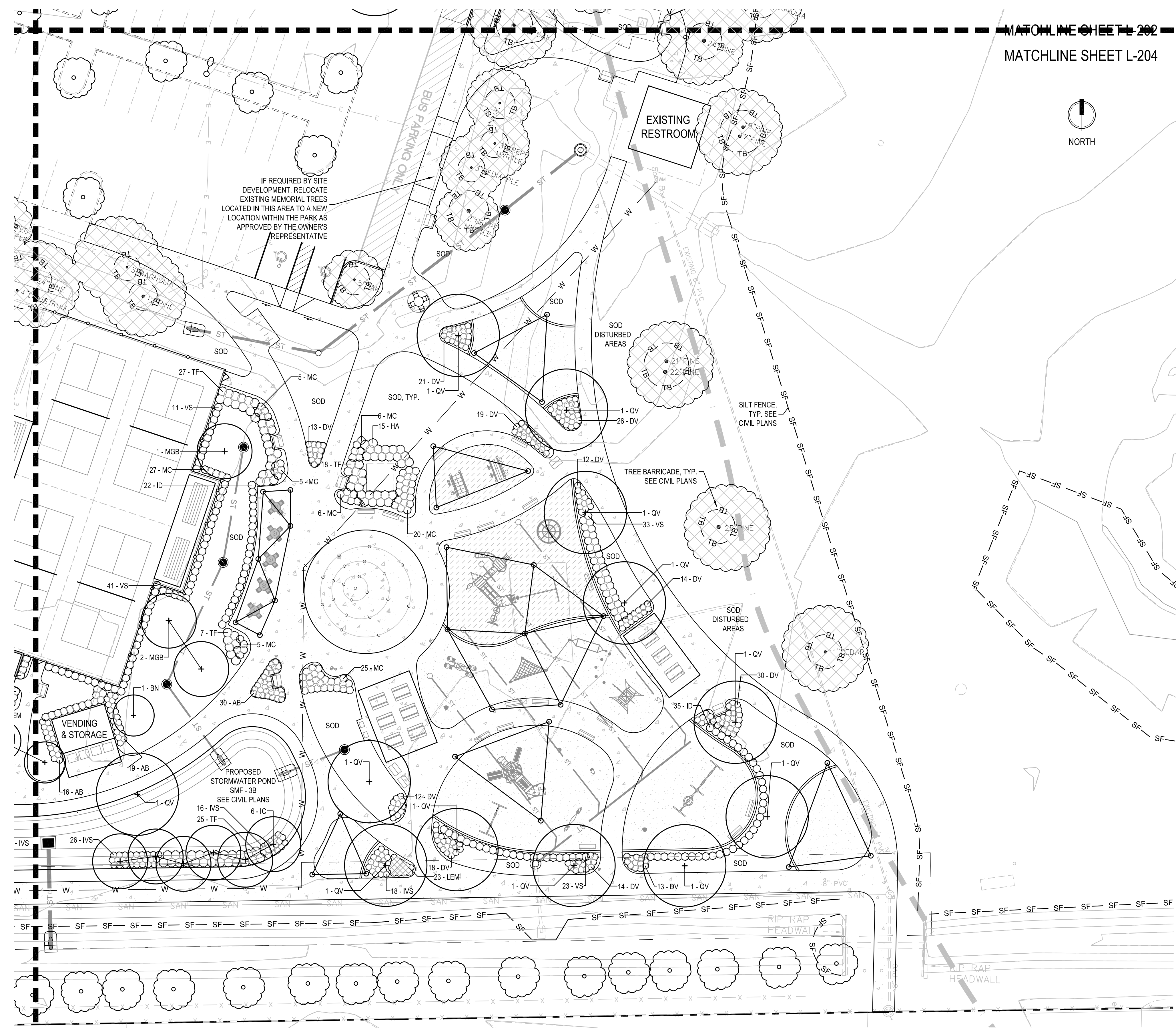
1 TREE PLANTING DETAIL  
SCALE: N.T.S.



2 SHRUB AND ORNAMENTAL GRASS PLANTING DETAIL  
SCALE: N.T.S.

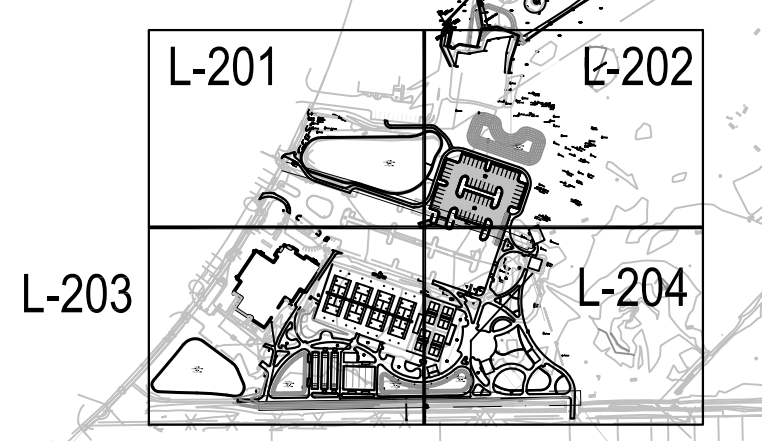
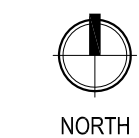


3 SHRUB AND ORNAMENTAL GRASS LAYOUT DETAIL  
SCALE: N.T.S.



KEY SHEET

N.T.S.



PARCEL 07879-005-004

MATCHLINE SHEET L-203  
MATCHLINE SHEET L-204

C:\Users\Sarah McDermott\Box\Project\2018\18-052 Northside CD - DRMP\04\_Production\09\_CDs\2018-12-17 90%01\_Sheets\18052\_MD Northside\_LS Plan.dwg PLOT DATE 1/21/2019 10:30 AM BY MAF

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.
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.
1.4 CONTRACTOR REQUIREMENTS
A. PROVIDE ALL EQUIPMENT, MATERIALS AND LABOR NECESSARY FOR COMPLETION OF WORK AND MAINTENANCE.
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 GROUND COVER 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 NEGLIGENCE BY OWNER, ABUSE, DAMAGE BY OTHERS, OR UNUSUAL PHENOMENA OR INCIDENTS WHICH ARE BEYOND THE CONTRACTOR'S CONTROL.
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 LANDSCAPE ARCHITECT.
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.
E. A FINAL INSPECTION MAY BE MADE AT THE END OF THE WARRANTY PERIOD TO DETERMINE ACCEPTANCE OR REJECTION.
1.6 DELIVERY, STORAGE, AND HANDLING
A. PACKAGED MATERIALS: DELIVER PACKAGED MATERIALS IN CONTAINERS SHOWING WEIGHT, CERTIFIED ANALYSIS, AND NAME OF MANUFACTURER.
B. SOD: TIME DELIVERY SO THAT SOD WILL BE PLACED WITHIN 24 HOURS AFTER STRIPPING.
C. PLANTS: DO NOT PRUNE PRIOR TO DELIVERY UNLESS OTHERWISE APPROVED BY THE LANDSCAPE ARCHITECT.

PART 1 - GENERAL, CONT

- 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 LANDSCAPE ARCHITECT PRIOR TO PLANTING.
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 LANDSCAPE ARCHITECT 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.
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 LIMESTONE OR PAVING BASE MATERIAL, ASPHALT, AND CONCRETE, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH.
C. FILL TO BE OF FH 5-6.5.
2.2 MULCH
A. MULCH SHALL BE PINE STRAW, FREE OF BRANCHES, CONES, AND DEBRIS.
2.3 COMMERCIAL FERTILIZER
A. SHRUBS AND GROUNDCOVERS: UTILIZE A ROOT STARTER OR EQUIVALENT SLOW RELEASE FERTILIZER TO ENCOURAGE ROOT GROWTH.
1. BETWEEN 5-6% TOTAL NITROGEN (N) CONSISTING OF 3.5-4.5% WATER INSOLUBLE/SLOW RELEASE NITROGEN AND 1.5% WATER SOLUBLE NITROGEN
2. BETWEEN 1-2% PHOSPHATE (P2O5)
3. BETWEEN 0.5-3% POTASH/POTASSIUM (K)
B. PALMS: FERTILIZE WITH AN 8N - 2P205 - 12K20 + 4MG WITH MICRONUTRIENTS.
C. TURF: PROVIDE FERTILIZER WITH NOT LESS THAN SIXTEEN (16) PERCENT TOTAL NITROGEN, FOUR (4) PERCENT AVAILABLE PHOSPHORIC ACID AND EIGHT (8) PERCENT SOLUBLE POTASH.
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.
B. PROVIDE SOD OF UNIFORM PAD SIZES WITH A MAXIMUM 5% DEVIATION IN EITHER LENGTH OR WIDTH.
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 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 LIMESTONE OR PAVING BASE MATERIAL, ASPHALT, AND CONCRETE, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH.
C. FILL TO BE OF FH 5-6.5.
2.2 MULCH
A. MULCH SHALL BE PINE STRAW, FREE OF BRANCHES, CONES, AND DEBRIS.
2.3 COMMERCIAL FERTILIZER
A. SHRUBS AND GROUNDCOVERS: UTILIZE A ROOT STARTER OR EQUIVALENT SLOW RELEASE FERTILIZER TO ENCOURAGE ROOT GROWTH.
1. BETWEEN 5-6% TOTAL NITROGEN (N) CONSISTING OF 3.5-4.5% WATER INSOLUBLE/SLOW RELEASE NITROGEN AND 1.5% WATER SOLUBLE NITROGEN
2. BETWEEN 1-2% PHOSPHATE (P2O5)
3. BETWEEN 0.5-3% POTASH/POTASSIUM (K)
B. PALMS: FERTILIZE WITH AN 8N - 2P205 - 12K20 + 4MG WITH MICRONUTRIENTS.
C. TURF: PROVIDE FERTILIZER WITH NOT LESS THAN SIXTEEN (16) PERCENT TOTAL NITROGEN, FOUR (4) PERCENT AVAILABLE PHOSPHORIC ACID AND EIGHT (8) PERCENT SOLUBLE POTASH.
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.
B. PROVIDE SOD OF UNIFORM PAD SIZES WITH A MAXIMUM 5% DEVIATION IN EITHER LENGTH OR WIDTH.
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.
B. ENSURE ALL ASPHALT, LIMESTONE, 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.
E. GAIN APPROVAL FROM OWNER PRIOR TO WORK FOR REMOVAL OF EXISTING GRASS, VEGETATION, AND TURF BY METHODS OTHER THAN HAND REMOVAL.
F. FOR TURF AREAS INDICATED FOR RENOVATION, MECHANICALLY CUT OUT AREAS OF FAILING TURF AND CREATE A CLEAN EDGE FOR NEW SOD INSTALLATION.
G. 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.
H. ALLOW FOR SOD THICKNESS IN AREAS TO BE SODDED SUCH THAT INSTALLED SOD MEETS FINISHED GRADES.
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.
C. ALL ROOTS OF TREES TO REMAIN THAT ARE IMMEDIATELY ADJACENT TO EXTENSIVE EXCAVATION AND ARE 1" DIAMETER OR OVER SHALL BE HAND CUT.
D. SUPPLEMENTAL IRRIGATION IS REQUIRED FOR TREES THAT HAVE UNDERGONE ROOT PRUNING.
3.3 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.
B. IF REMOVAL OF AN EXISTING TREE REQUIRES MITIGATION, THE CONTRACTOR SHALL BE HELD LIABLE FOR THE COMPLETE COST.
C. TREE REPLACEMENT SPECIES AND PROCEDURES SHALL BE DISCUSSED WITH AND APPROVED BY THE OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT PRIOR TO COMMENCEMENT OF ACTIVITIES.
3.9 INSPECTION AND ACCEPTANCE
A. WHEN ALL LANDSCAPE WORK IS SUBSTANTIALLY COMPLETE, THE LANDSCAPE ARCHITECT WILL, UPON REQUEST, MAKE A SUBSTANTIAL COMPLETION INSPECTION TO DETERMINE ACCEPTABILITY AND COMPLIANCE WITH THE CONTRACT DOCUMENTS.
B. ONCE ITEMS OF THE PUNCH LIST ARE ADDRESSED, THE LANDSCAPE ARCHITECT WILL CONDUCT A FINAL COMPLETION INSPECTION.
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 LANDSCAPE ARCHITECT.

PART 3 - EXECUTION, CONT

- 3.3 PLANTING TREES, SHRUBS, AND GROUNDCOVERS
A. PLANT TREES, SHRUBS, AND GROUNDCOVER AFTER FINAL GRADES ARE ESTABLISHED AND PRIOR TO PLANTING OF LAWNS UNLESS OTHERWISE AUTHORIZED BY LANDSCAPE ARCHITECT.
B. LAY OUT INDIVIDUAL PLANT LOCATIONS AND AREAS FOR MULTIPLE PLANTINGS.
C. EXCAVATE PITS, BEDS, AND TRENCHES SUCH THAT PITS ARE AS DEEP AS THE PLANTS ROOTBALL AND 1.5 TIMES THE DIAMETER OF THE ROOTBALL.
D. FILL EXCAVATIONS FOR SHRUBS WITH WATER AND ALLOW WATER TO PERCOLATE OUT PRIOR TO PLANTING.
E. REMOVE PLANT MATERIAL FROM CONTAINER.
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.
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.
K. APPLY PRE-EMERGENT HERBICIDE, IF APPROVED BY OWNER, AND AS PER MANUFACTURER'S SPECIFICATIONS.
L. MULCH PITS, TRENCHES, AND PLANTED AREAS.
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.
B. LAY SOD WITHIN 24 HOURS FROM TIME OF STRIPPING.
C. MOISTEN PREPARED LAWN AREAS BEFORE PLANTING IF SOIL IS DRY.
D. APPLY SPECIFIED COMMERCIAL FERTILIZER AT RATES SPECIFIED AND THOROUGHLY MIX INTO UPPER TWO INCHES OF SOIL.
E. LAY SOD TO FORM A SOLID MASS WITH TIGHTLY FITTED JOINTS.
F. ANCHOR SOD ON SLOPES GREATER THAN 3:1 WITH WOOD PEGS TO PREVENT SLIPPAGE.
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.
3.6 NEW PLANT PROTECTION
A. PROTECT LANDSCAPE WORK AND MATERIALS FROM DAMAGE DURING CONSTRUCTION.
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.
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 OR VERTICAL POSITION AS REQUIRED.
9. REMOVE ALL TREE STAKING, IF PRESENT, WITHIN ONE YEAR AFTER PLANTING.

END OF SECTION

NORTHSIDE PARK IMPROVEMENTS

City of Gainesville WSPP



DRMP, Inc.
7525 NW 4th Boulevard, Suite 70
Gainesville, Florida 32607
352-371-2741
http://www.drmp.com
Certificate of Authorization no. 2648

MANLEY DESIGN

Manley Design, LLC
224 NW 2nd Avenue, Suite E
Gainesville, Florida 32601
352-363-7412
http://www.manleydesign.net
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.
735 Arlington Ave N, Ste 308
St Petersburg, Florida 33701
352-238-6366
http://www.hdceng.com/
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC
10 SW 1st Avenue
Gainesville, Florida 32601
352-378-0448
http://www.sputoandlammert.com/
Certificate of Authorization no. 6855

SEAL:

PROJECT NO: 18-0072.001

CLIENT'S NO:

ISSUED FOR: 90% REVIEW

ISSUED DATE: 21 JAN 2019

REVISIONS:

SCALE:

SHEET TITLE:

LANDSCAPE TECHNICAL SPECIFICATIONS

SHEET NUMBER:

L-205

NOT FOR CONSTRUCTION

C:\Users\Elisabeth Manley\Box\Project\2018\18-052\_Northside CDs - DRMP\04\_Production\03\_Cds\2018-12-17 90%\_01\_Sheets\18052\_MD Northside\_LS Plan.dwg PLOT DATE 1/19/2019 6:50 PM BY MAF

# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

## MANLEY DESIGN

Landscape Architecture • Site Planning

Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SEAL:

NOT FOR CONSTRUCTION

PROJECT NO: 18-0072.001

CLIENT'S NO:

ISSUED FOR: **90% REVIEW**

ISSUED DATE: 21 JAN 2019

REVISIONS:

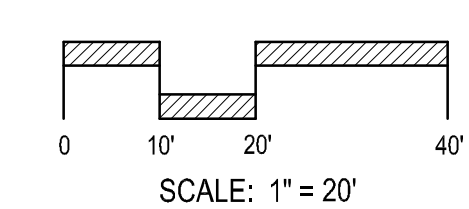
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

SCALE:



SHEET TITLE:

**IRRIGATION DEMOLITION PLAN**

SHEET NUMBER:

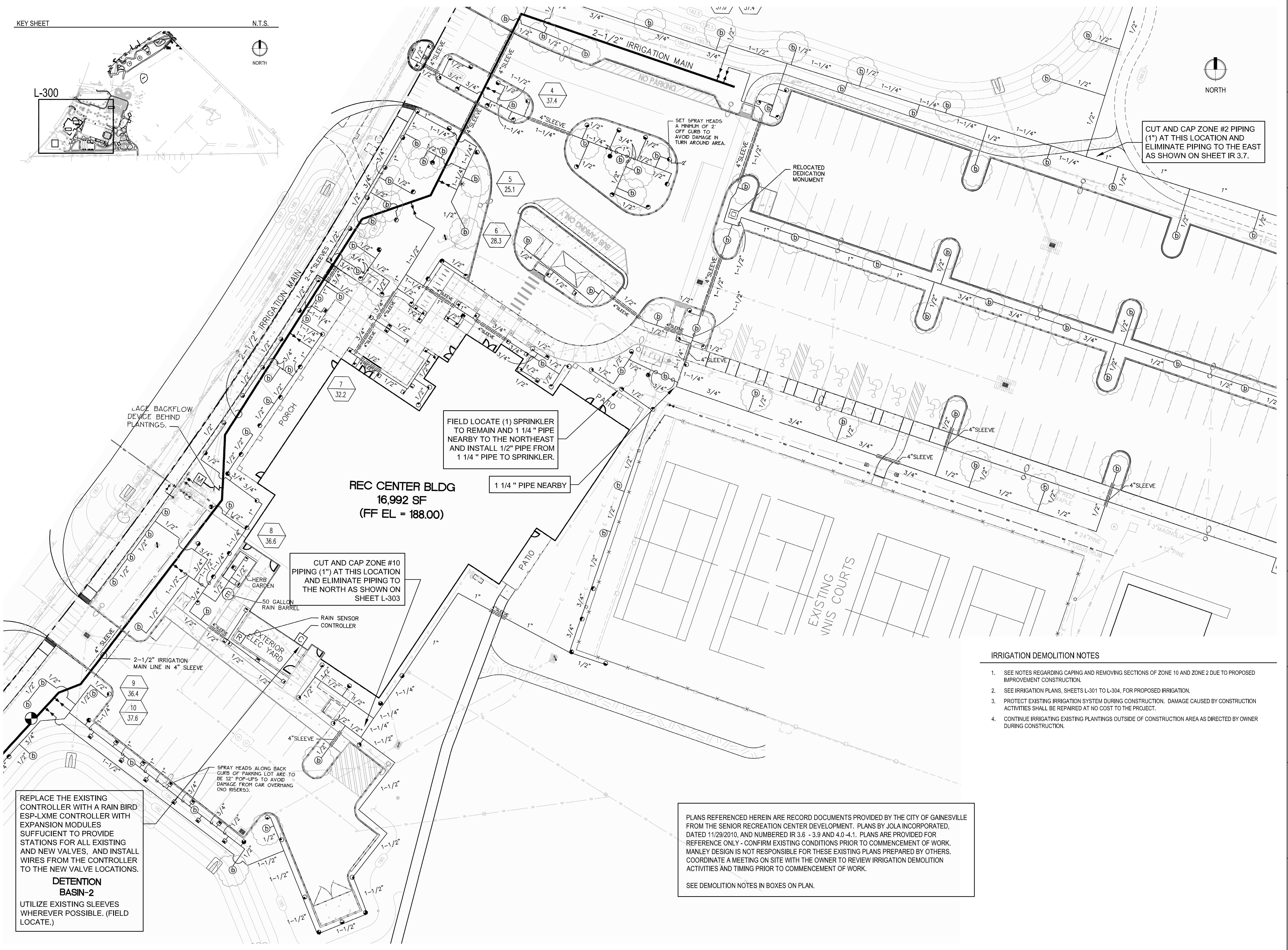
**L-300**

KEY SHEET

N.T.S.



L-300



LACE BACKFLOW DEVICE BEHIND PLANTINGS.

FIELD LOCATE (1) SPRINKLER TO REMAIN AND 1 1/4" PIPE NEARBY TO THE NORTHEAST AND INSTALL 1/2" PIPE FROM 1 1/4" PIPE TO SPRINKLER.

1 1/4" PIPE NEARBY

**REC CENTER BLDG**  
16,992 SF  
(FF EL = 188.00)

CUT AND CAP ZONE #10 PIPING (1") AT THIS LOCATION AND ELIMINATE PIPING TO THE NORTH AS SHOWN ON SHEET L-303

REPLACE THE EXISTING CONTROLLER WITH A RAIN BIRD ESP-LXME CONTROLLER WITH EXPANSION MODULES SUFFICIENT TO PROVIDE STATIONS FOR ALL EXISTING AND NEW VALVES, AND INSTALL WIRES FROM THE CONTROLLER TO THE NEW VALVE LOCATIONS.

**DETENTION BASIN-2**  
UTILIZE EXISTING SLEEVES WHEREVER POSSIBLE. (FIELD LOCATE.)

PLANS REFERENCED HEREIN ARE RECORD DOCUMENTS PROVIDED BY THE CITY OF GAINESVILLE FROM THE SENIOR RECREATION CENTER DEVELOPMENT. PLANS BY JOLA INCORPORATED, DATED 11/29/2010, AND NUMBERED IR 3.6 - 3.9 AND 4.0-4.1. PLANS ARE PROVIDED FOR REFERENCE ONLY - CONFIRM EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK. MANLEY DESIGN IS NOT RESPONSIBLE FOR THESE EXISTING PLANS PREPARED BY OTHERS. COORDINATE A MEETING ON SITE WITH THE OWNER TO REVIEW IRRIGATION DEMOLITION ACTIVITIES AND TIMING PRIOR TO COMMENCEMENT OF WORK.

SEE DEMOLITION NOTES IN BOXES ON PLAN.

### IRRIGATION DEMOLITION NOTES

1. SEE NOTES REGARDING CAPING AND REMOVING SECTIONS OF ZONE 10 AND ZONE 2 DUE TO PROPOSED IMPROVEMENT CONSTRUCTION.
2. SEE IRRIGATION PLANS, SHEETS L-301 TO L-304, FOR PROPOSED IRRIGATION.
3. PROTECT EXISTING IRRIGATION SYSTEM DURING CONSTRUCTION. DAMAGE CAUSED BY CONSTRUCTION ACTIVITIES SHALL BE REPAIRED AT NO COST TO THE PROJECT.
4. CONTINUE IRRIGATING EXISTING PLANTINGS OUTSIDE OF CONSTRUCTION AREA AS DIRECTED BY OWNER DURING CONSTRUCTION.

C:\Users\Elisabeth Manley\Box\Project\2018\18-052 Northside CD - DRMP\04\_Production\03\_CDA\2018-12-17 90%01\_Sheets\18052\_MD Northside\_IR Demo.dwg PLOT DATE: 1/21/2019 11:25 AM BY MAF

# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSP



DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

## MANLEY DESIGN

Landscape Architecture • Site Planning  
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SEAL:

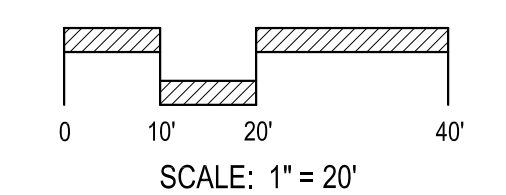
NOT FOR CONSTRUCTION

PROJECT NO: 18-0072.001  
CLIENT'S NO:  
ISSUED FOR: 90% REVIEW

ISSUED DATE: 21 JAN 2019

REVISIONS:

SCALE:



SHEET TITLE:

**IRRIGATION PLAN AND SCHEDULE**

SHEET NUMBER:

**L-301**

### IRRIGATION NOTES

1. 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.
2. 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.
3. 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.
4. INSTALL THE SYSTEM IN ACCORDANCE WITH THE LOCAL CODES REGARDING IRRIGATION SYSTEMS.
5. CONNECT TO THE EXISTING 2 1/2" MAIN LINE AS THE POINT OF CONNECTION.
6. INSTALL 2 SPARE (#14 BLACK) WIRES FROM THE CONTROLLER TO THE VALVES' LOCATION.
7. LOCATE EXISTING UTILITIES PRIOR TO COMMENCEMENT OF WORK. SEE LOGO BELOW.
8. PROTECT THE EXISTING IRRIGATION SYSTEM DURING CONSTRUCTION.

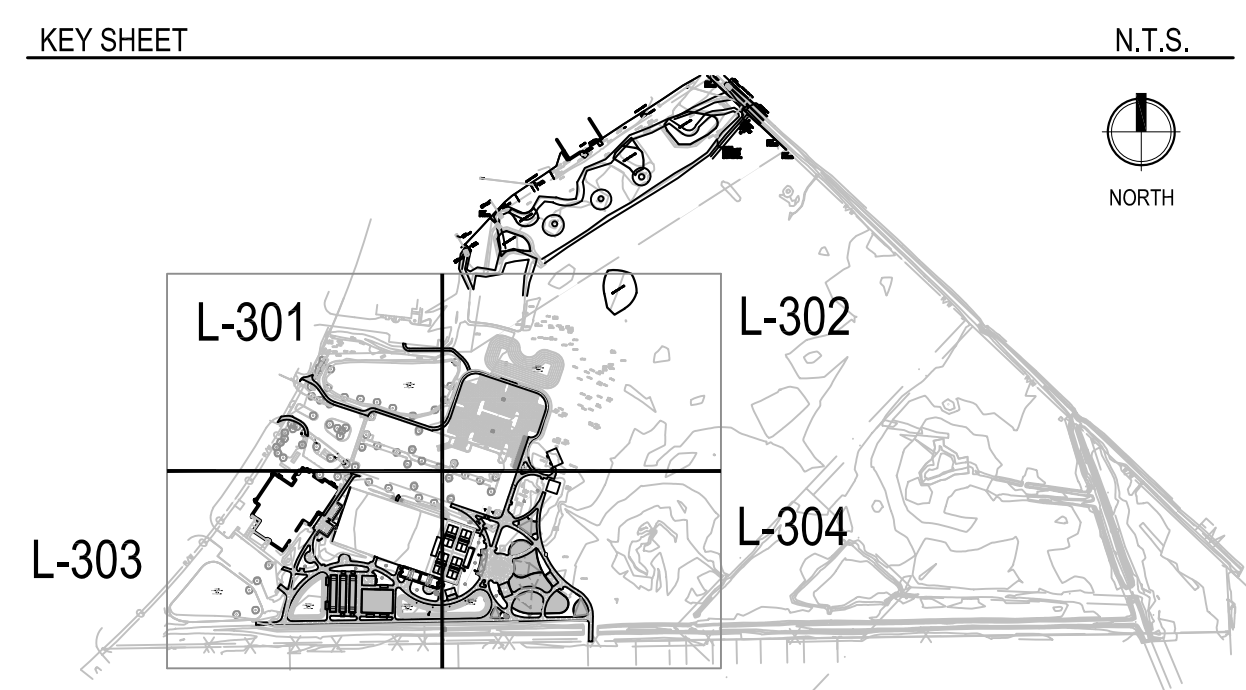
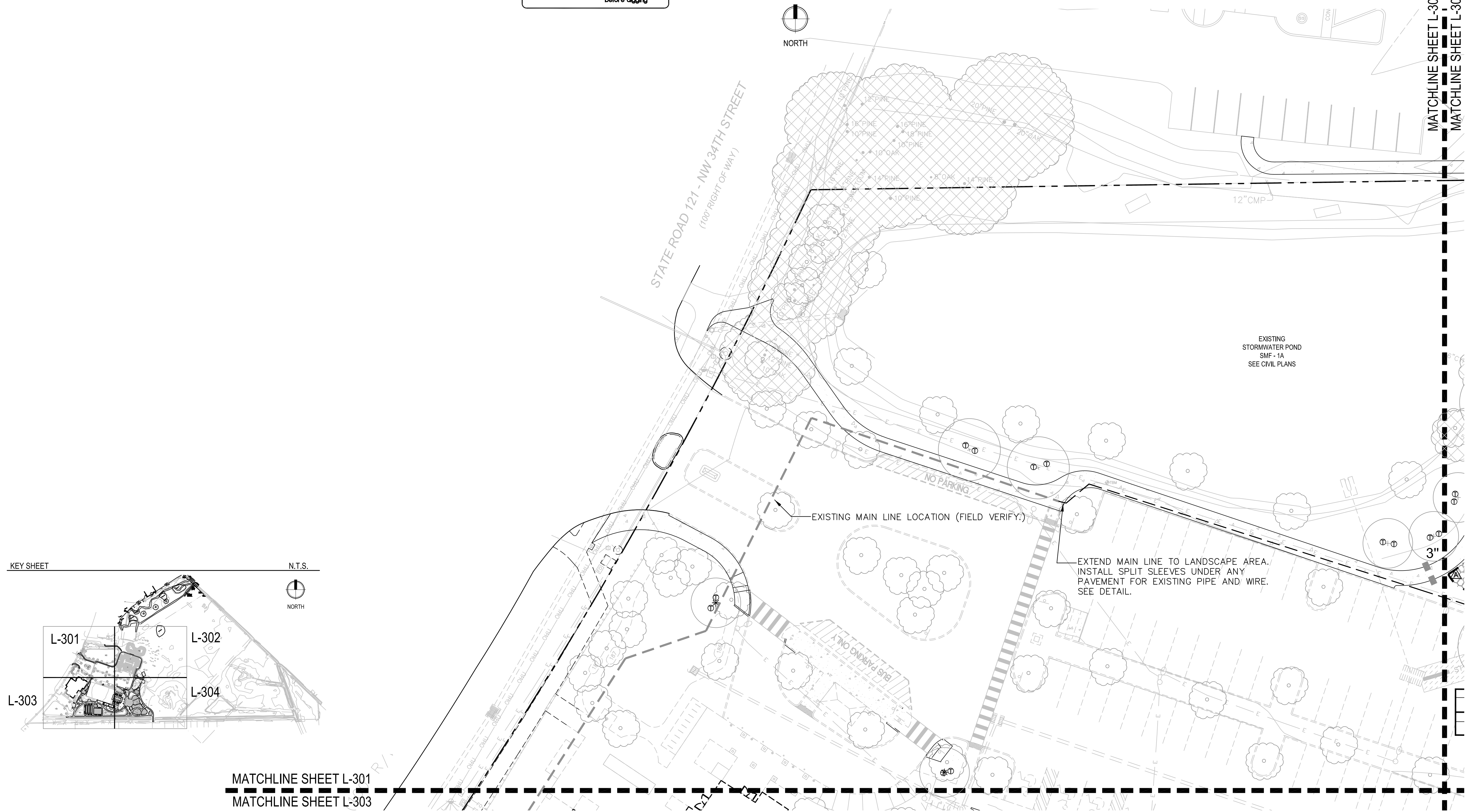


### IRRIGATION SCHEDULE

- ⊕ RAIN BIRD 1804-SAM WITH 5-Q NOZZLE - TREES
- TORO DL2000 12" O.C., .1 GPH DRIP TUBING OR LIMITS
- △ LOCATION OF DRIP AIR RELIEF VALVE, RAIN BIRD OPERIND AND LINE FLUSHING VALVE
- 3" SOLVENT WELD PVC MAIN LINE ROUTING
- CL 200 OR BETTER SOLVENT WELD PVC ZONE PIPE ROUTING
- SCHEDULE 40 PVC SLEEVE LOCATION
- ⊕ RAIN BIRD PESB-150 VALVE WITH PR. REG.

STA.	SIZE
#	1.5"
TYPE	GPM
APPL	#.#

VALVE STATION, APPLICATION, SIZE AND GALLONAGE



MATCHLINE SHEET L-301  
MATCHLINE SHEET L-303

C:\Users\Sarah McDermott\Box\Project\2018\18-052 Northside CD - DRMP\04\_Production\09\_CDs\2018-12-17 90%01\_Sheets\18052\_MD Northside\_IR Plan.dwg PLOT DATE 1/21/2019 10:41 AM BY MAF



# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

## MANLEY DESIGN

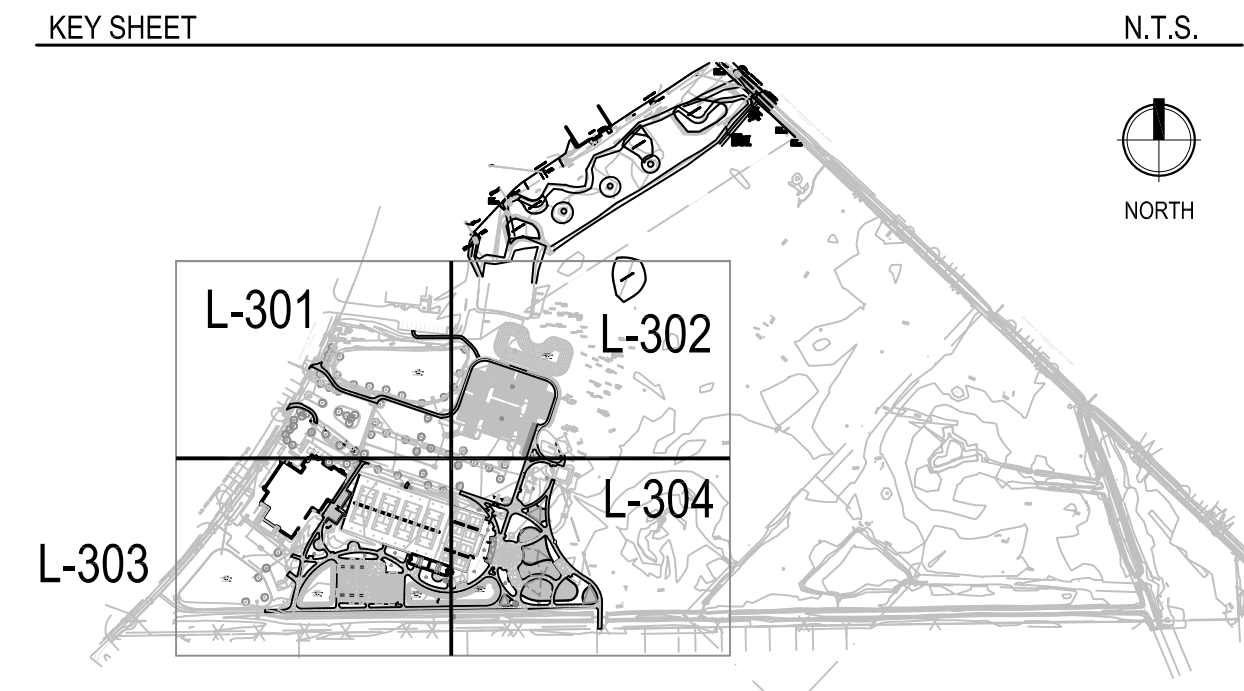
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855



N.T.S.



NORTH

SEAL:

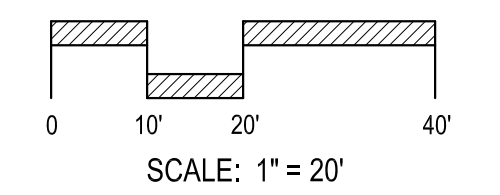
NOT FOR CONSTRUCTION

PROJECT NO: 18-0072.001  
CLIENT'S NO:  
ISSUED FOR: 90% REVIEW

ISSUED DATE: 21 JAN 2019

REVISIONS:

SCALE:



SHEET TITLE:

**IRRIGATION PLAN**

SHEET NUMBER:

**L-302**

C:\Users\Sarah McDermott\Box\Project\2018\18-052 Northside CD - DRMP\04\_Production\09\_CDs\2018-12-17 90%01\_Sheets\18052\_MD Northside\_IR Plan.dwg PLOT DATE 1/21/2019 10:43 AM BY MAF



# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



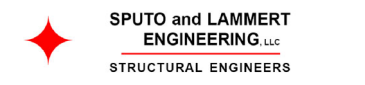
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

## MANLEY DESIGN

Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

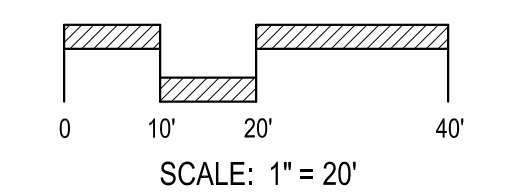
SEAL:

PROJECT NO: 18-0072.001  
CLIENTS NO:  
ISSUED FOR: 90% REVIEW

ISSUED DATE: 21 JAN 2019

REVISIONS:

SCALE:



SHEET TITLE:  
**IRRIGATION PLAN**

SHEET NUMBER:

**L-303**

MATCHLINE SHEET L-301  
MATCHLINE SHEET L-303

N.W. 34TH BOULEVARD - STATE ROAD 121

SEE SHEET L-300 REGARDING CONTROLLER. UTILIZE EXISTING RAIN SENSOR OR REPLACE IF NEEDED.

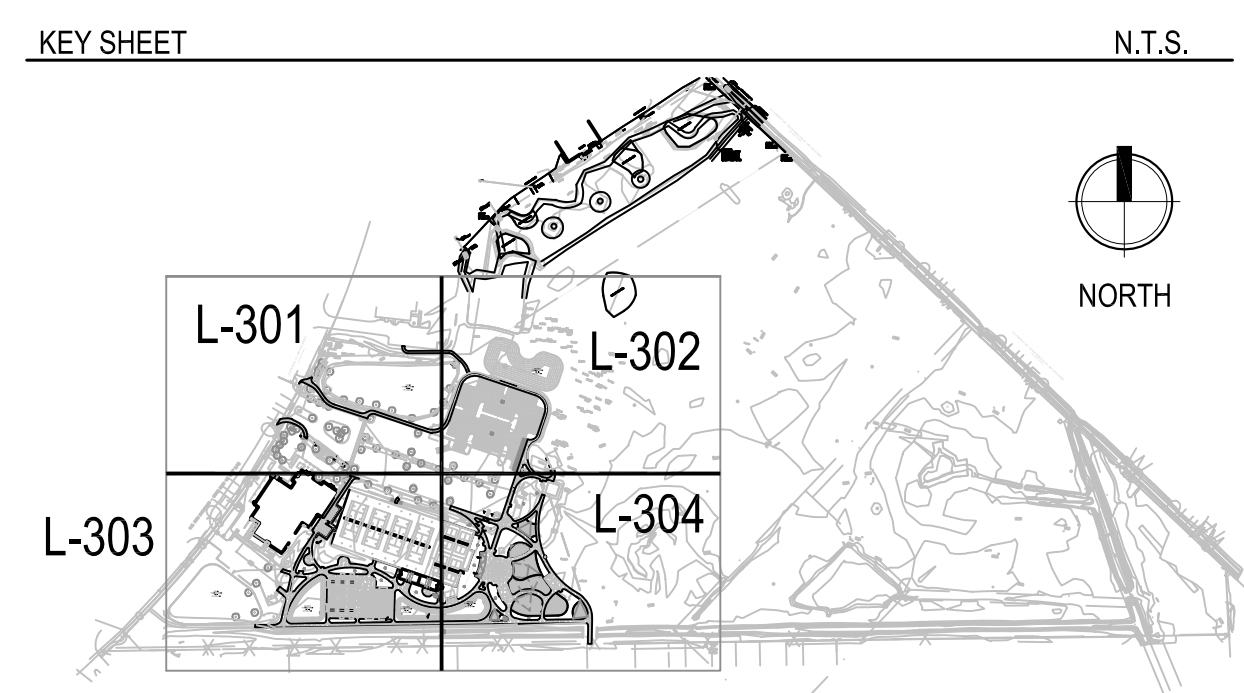
EXISTING STORMWATER POND SMF - 2 SEE CIVIL PLANS

PROPOSED STORMWATER POND SMF - 3A SEE CIVIL PLANS

PROPOSED STORMWATER POND SMF - 3B SEE CIVIL PLANS

SEPARATION OF DRIP ZONES 15 & 17 AT THIS LINE

NOT FOR CONSTRUCTION



N.T.S.  
NORTH

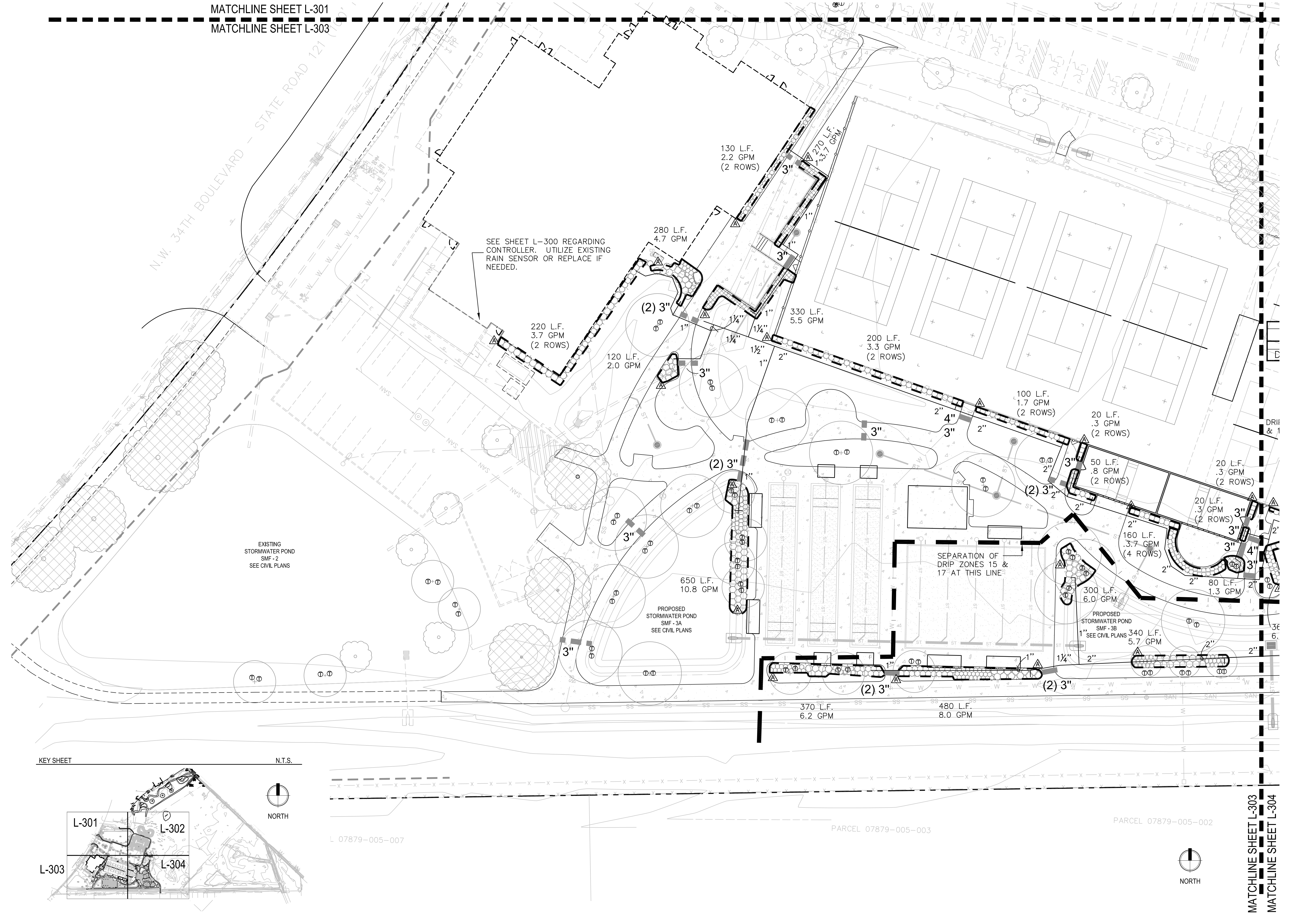
NORTH

MATCHLINE SHEET L-303  
MATCHLINE SHEET L-304

L 07879-005-007

PARCEL 07879-005-003

PARCEL 07879-005-002



C:\Users\Sarah McDermott\Box\Project\2018\18-052 Northside CD - DRMP\04\_Production\09\_CDs\2018-12-17 90%01\_Sheets\18052\_MD Northside\_IR Plan.dwg PLOT DATE 1/21/2019 10:44 AM BY MAF

# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



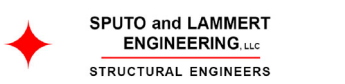
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

## MANLEY DESIGN

Landscape Architecture • Site Planning  
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

MATCHLINE SHEET L-302  
MATCHLINE SHEET L-304

STA.	SIZE
16	1.5"
TYPE	GPM
DRIP	34.5

STA.	SIZE
14	1"
TYPE	GPM
TREES	19.6

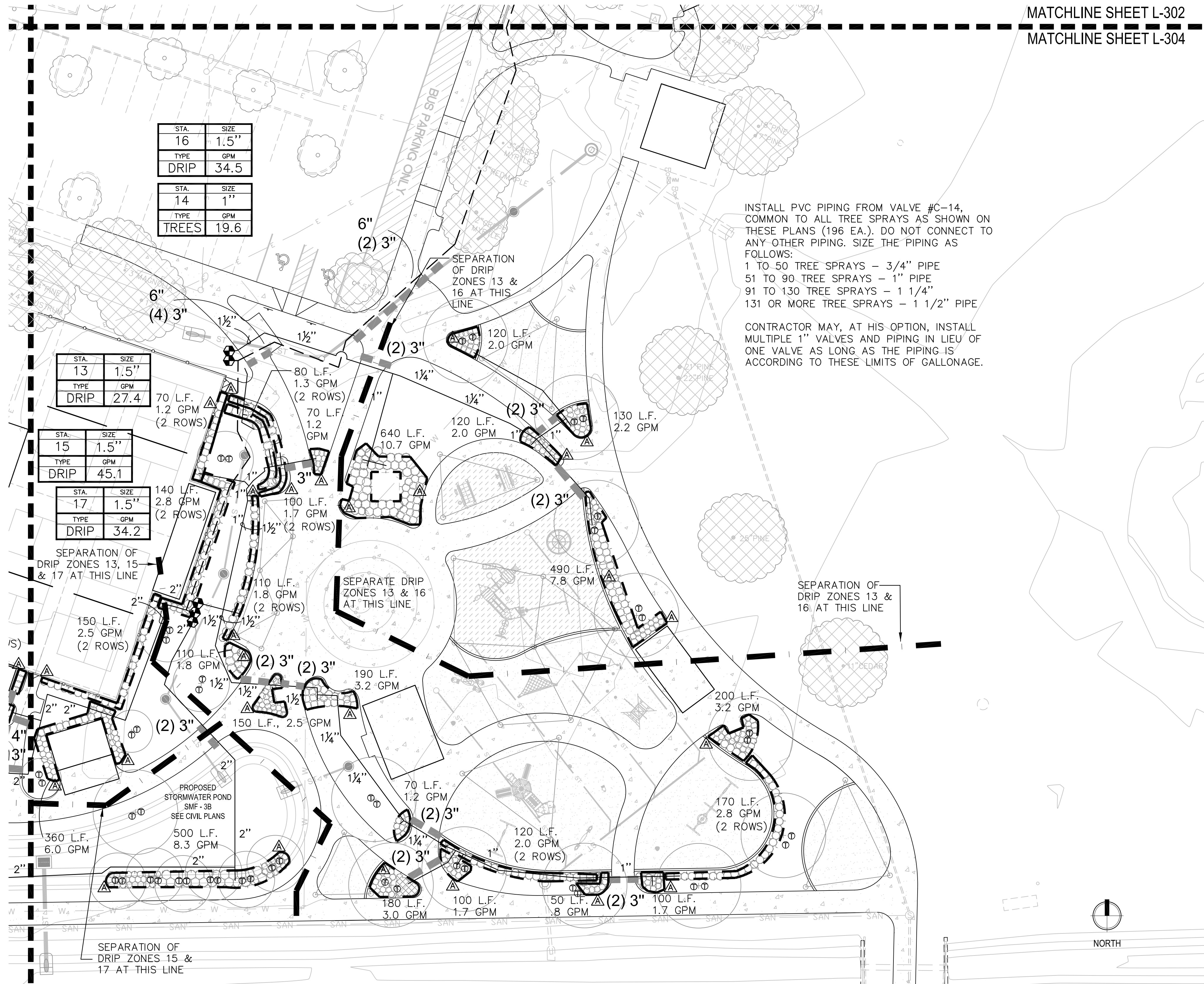
STA.	SIZE
13	1.5"
TYPE	GPM
DRIP	27.4

STA.	SIZE
15	1.5"
TYPE	GPM
DRIP	45.1

STA.	SIZE
17	1.5"
TYPE	GPM
DRIP	34.2

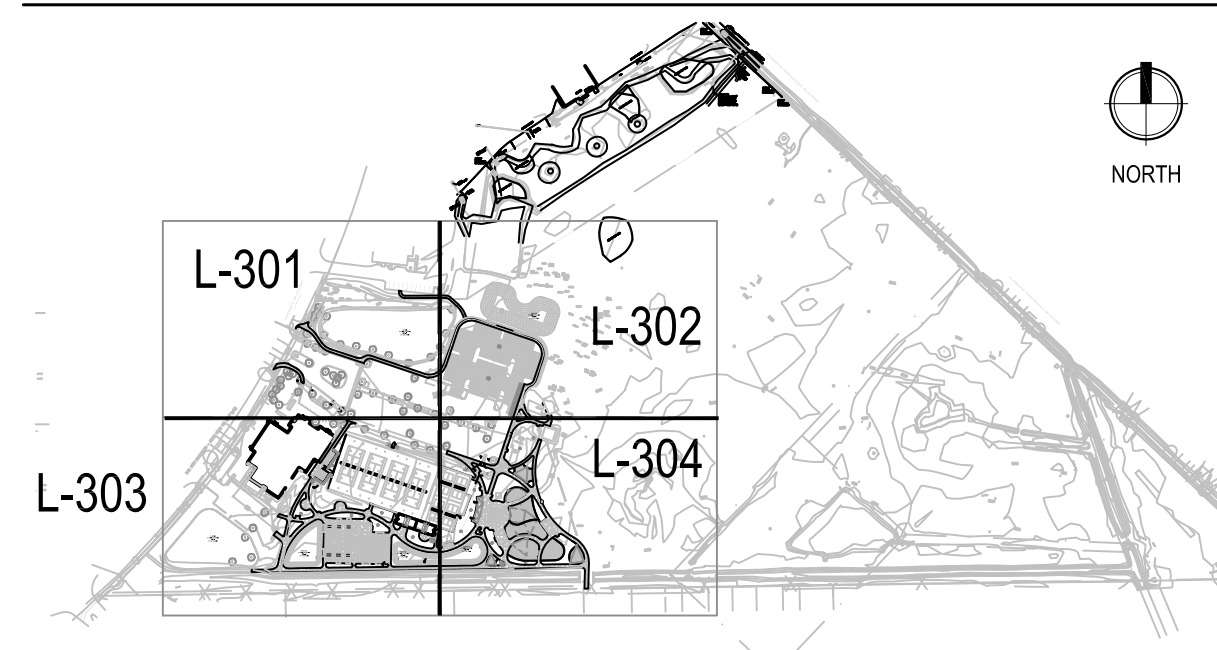
INSTALL PVC PIPING FROM VALVE #C-14, COMMON TO ALL TREE SPRAYS AS SHOWN ON THESE PLANS (196 EA.). DO NOT CONNECT TO ANY OTHER PIPING. SIZE THE PIPING AS FOLLOWS:  
1 TO 50 TREE SPRAYS - 3/4" PIPE  
51 TO 90 TREE SPRAYS - 1" PIPE  
91 TO 130 TREE SPRAYS - 1 1/4"  
131 OR MORE TREE SPRAYS - 1 1/2" PIPE

CONTRACTOR MAY, AT HIS OPTION, INSTALL MULTIPLE 1" VALVES AND PIPING IN LIEU OF ONE VALVE AS LONG AS THE PIPING IS ACCORDING TO THESE LIMITS OF GALLONAGE.



KEY SHEET

N.T.S.



PARCEL 07879-005-004

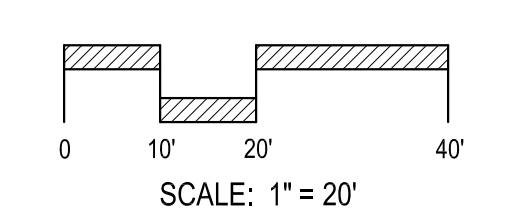
SEAL:

PROJECT NO: 18-0072.001  
CLIENT'S NO:  
ISSUED FOR: 90% REVIEW

ISSUED DATE: 21 JAN 2019

REVISIONS:

SCALE:



SHEET TITLE:  
**IRRIGATION PLAN**

SHEET NUMBER:  
**L-304**

# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648



Manley Design, LLC  
Landscape Architecture • Site Planning  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SEAL:

NOT FOR CONSTRUCTION

PROJECT NO: 18-0072.001  
CLIENTS NO:  
ISSUED FOR: 90% REVIEW

ISSUED DATE: 21 JAN 2019  
REVISIONS:

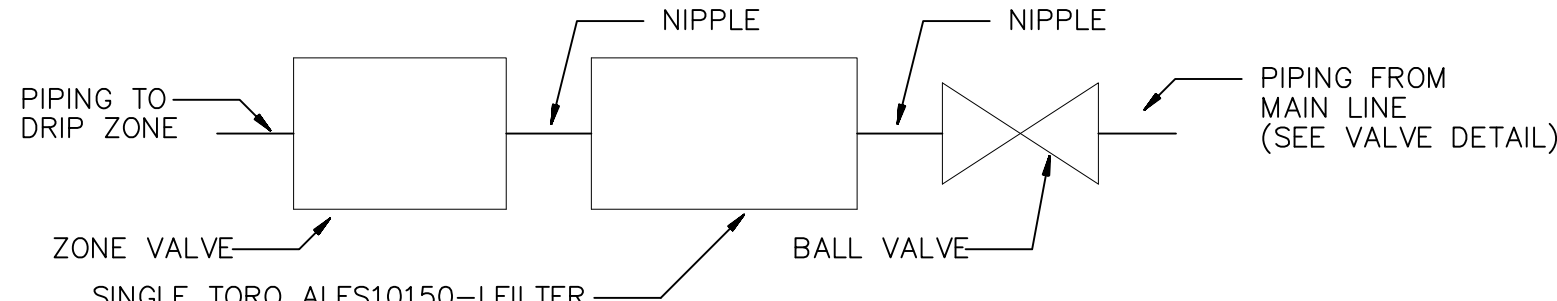
SCALE:

AS SHOWN

SHEET TITLE:  
**IRRIGATION NOTES  
AND DETAILS**

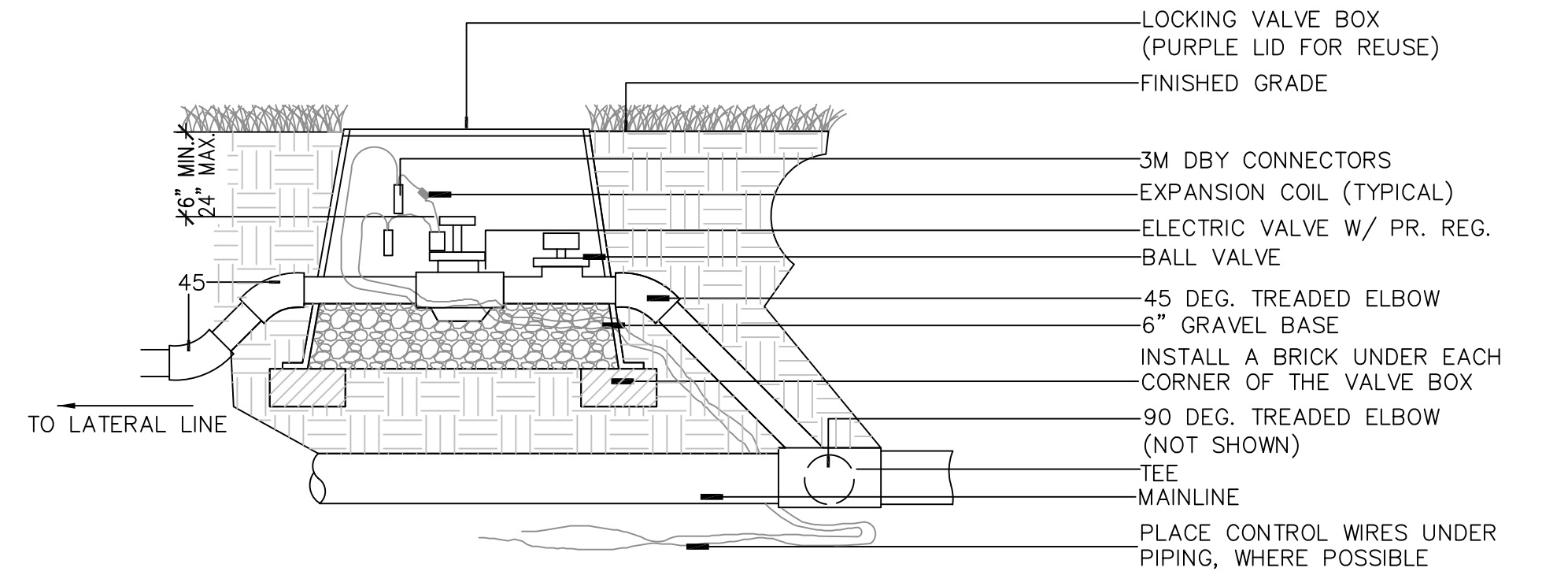
SHEET NUMBER:

**L-305**



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)

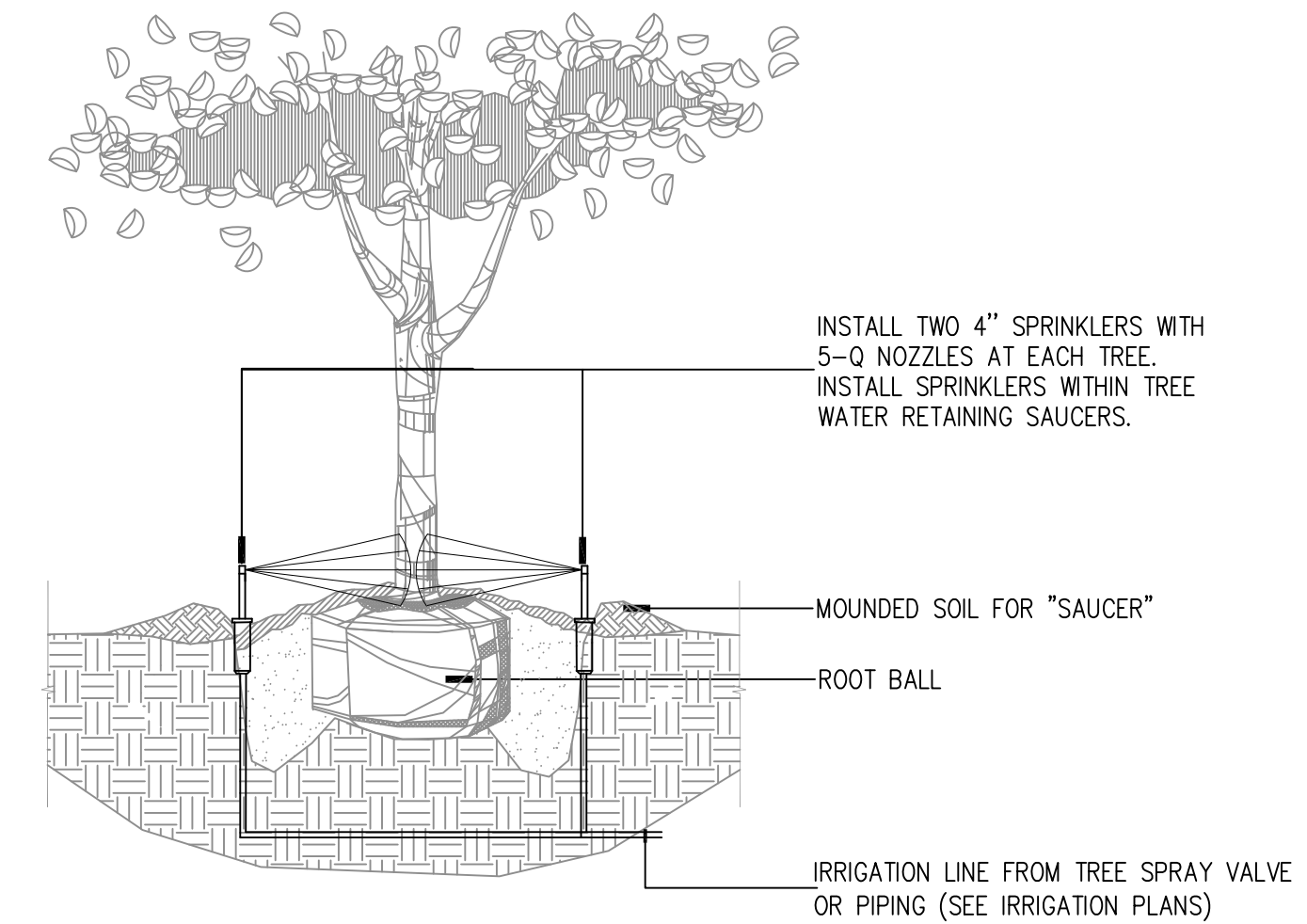
**1 VALVE WITH FILTER SCHEMATIC**  
SCALE: N.T.S.



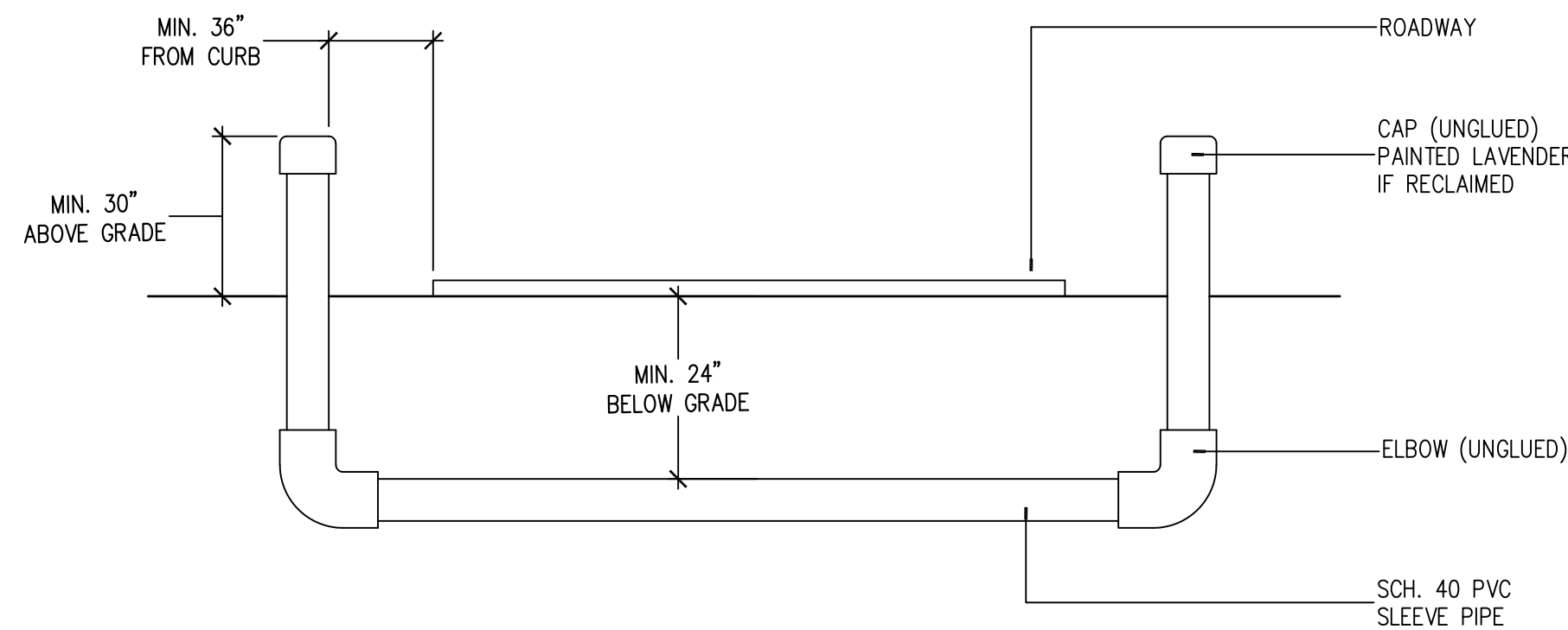
INSTALL A FILTER UPSTREAM OF ALL DRIP VALVES. SEE VALVE W/ FILTER SCHEMATIC DETAIL.  
ASSURE THAT ALL CHANGES IN DIRECTION IN THE PIPING ARE THRUST BLOCKED OR RESTRAINED USING MECHANICAL MEANS ACCORDING TO INDUSTRY STANDARDS.

NOTE:  
ALL VALVE BOXES SHALL BE MARKED WITH THE CHRISTY I.D. TAGS OR SUBSTITUTION ACCEPTABLE TO OWNER

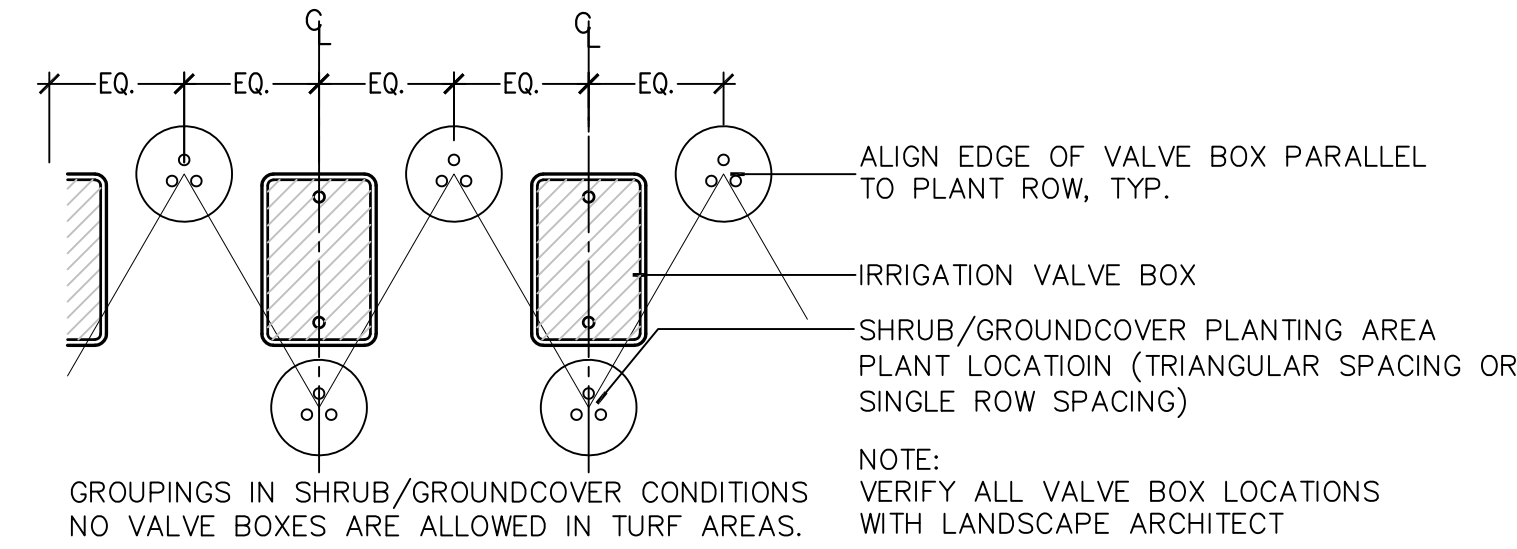
**2 ZONE VALVE INSTALLATION**  
SCALE: N.T.S.



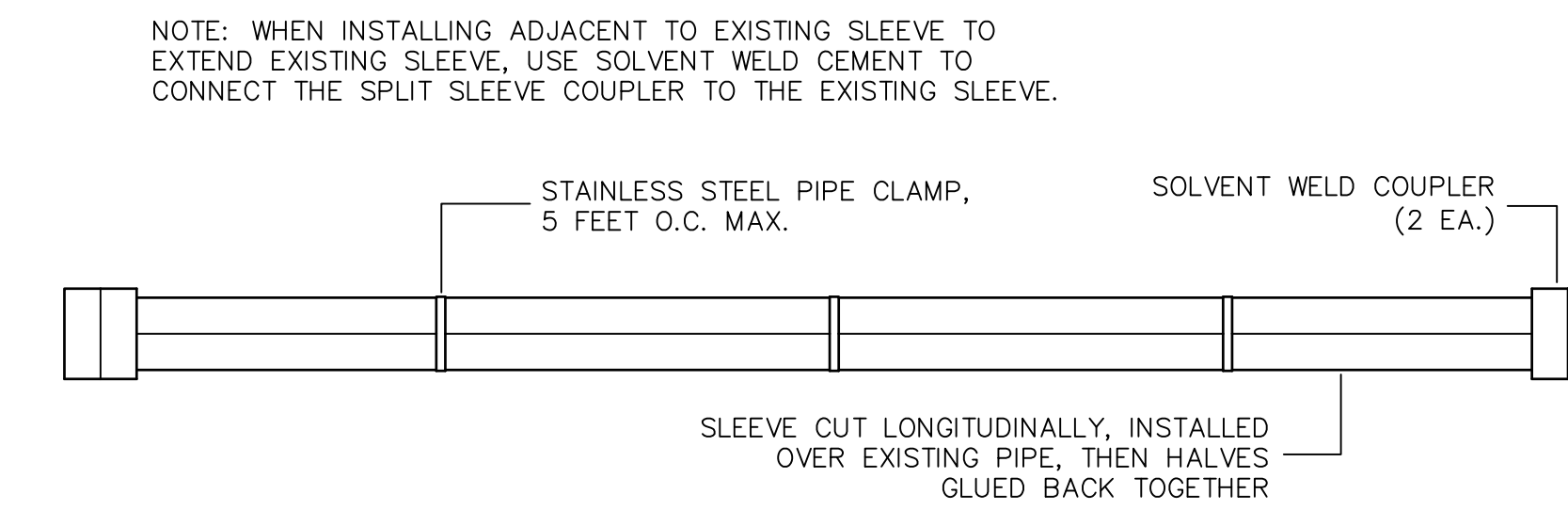
**3 TREE SPRINKLER LOCATION**  
SCALE: N.T.S.



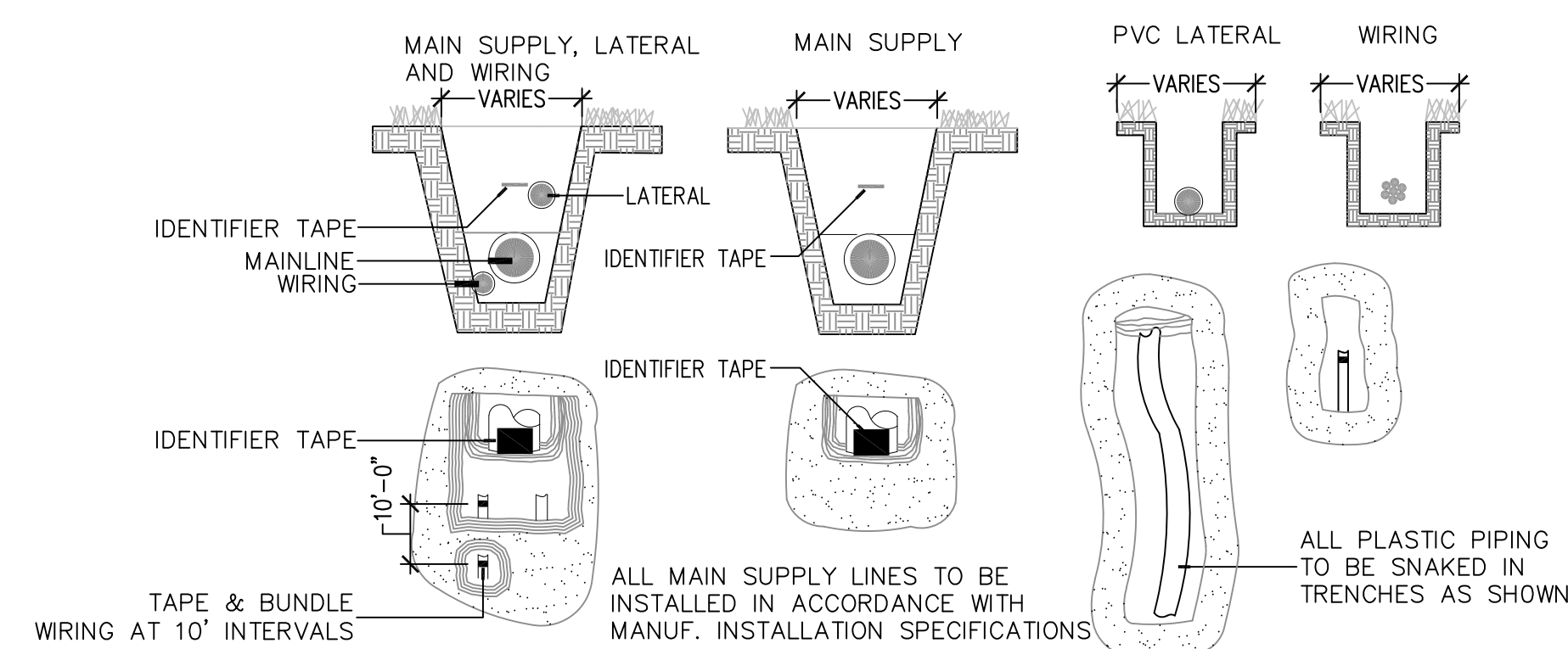
**4 SLEEVE DETAIL**  
SCALE: N.T.S.



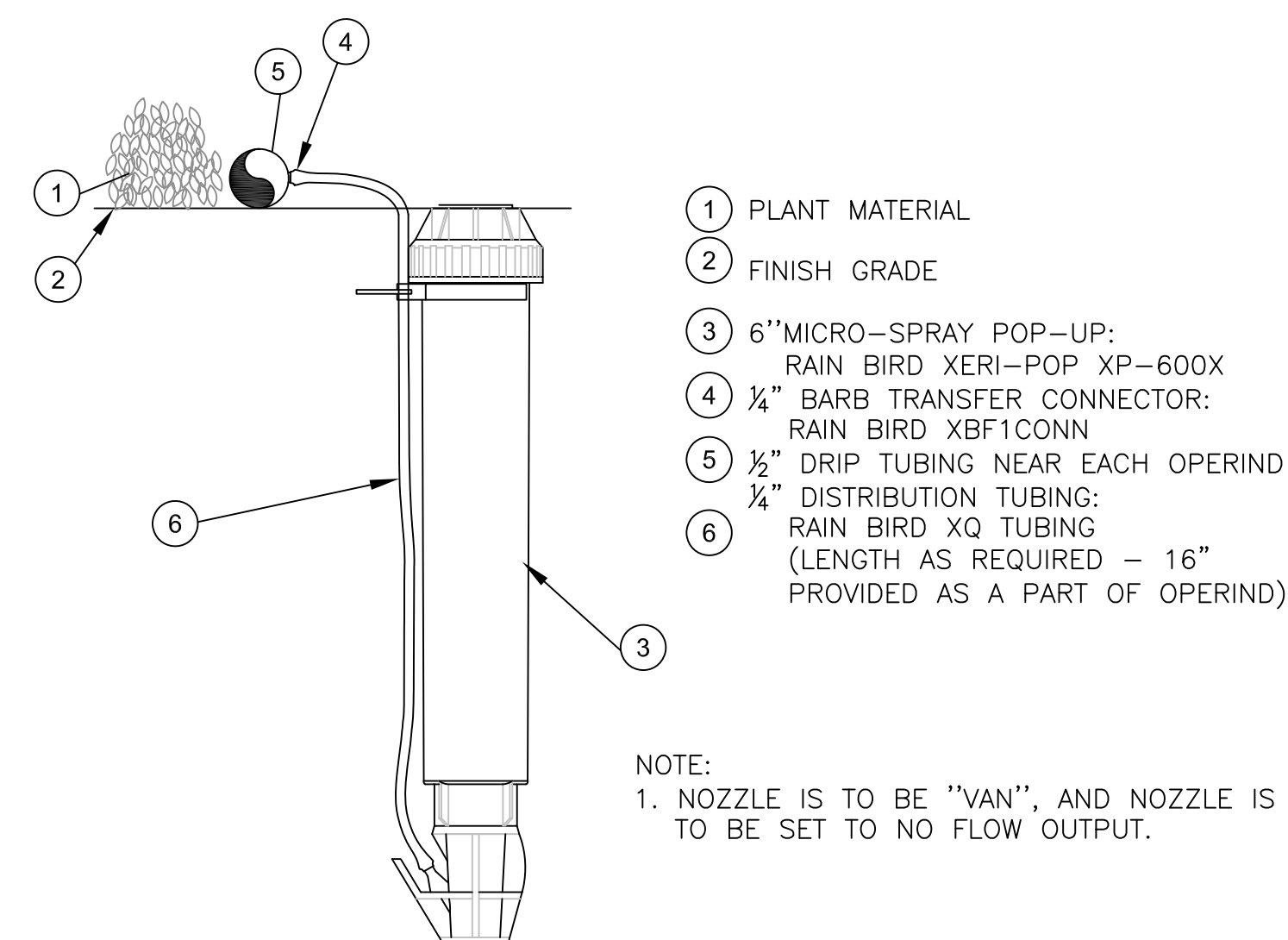
**5 TYPICAL VALVE BOX GROUPING**  
SCALE: N.T.S.



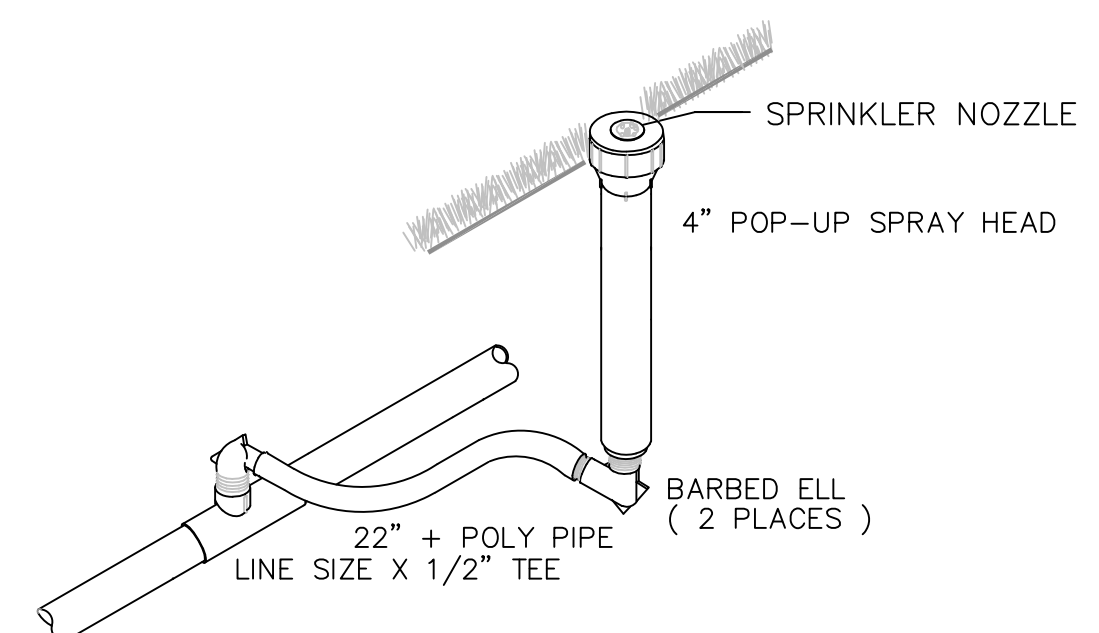
**6 SPLIT SLEEVE INSTALLATION**  
SCALE: N.T.S.



**7 PIPE AND WIRE TRENCH CONFIGURATION**  
SCALE: N.T.S.

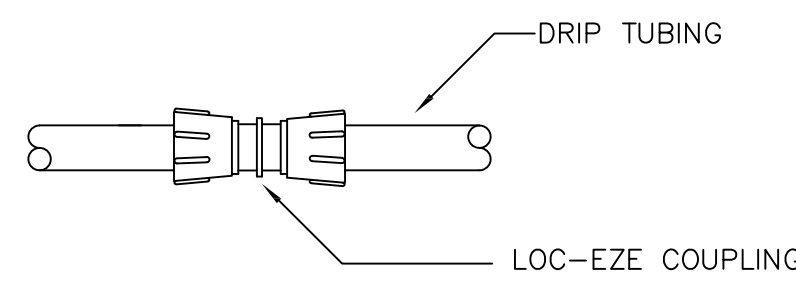


**8 RAIN BIRD OPERIND CONNECTION**  
SCALE: N.T.S.

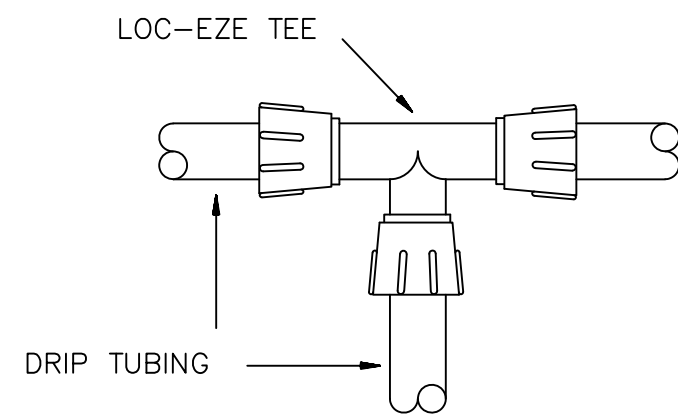


**9 SPRAY HEAD AT GRADE**  
SCALE: N.T.S.

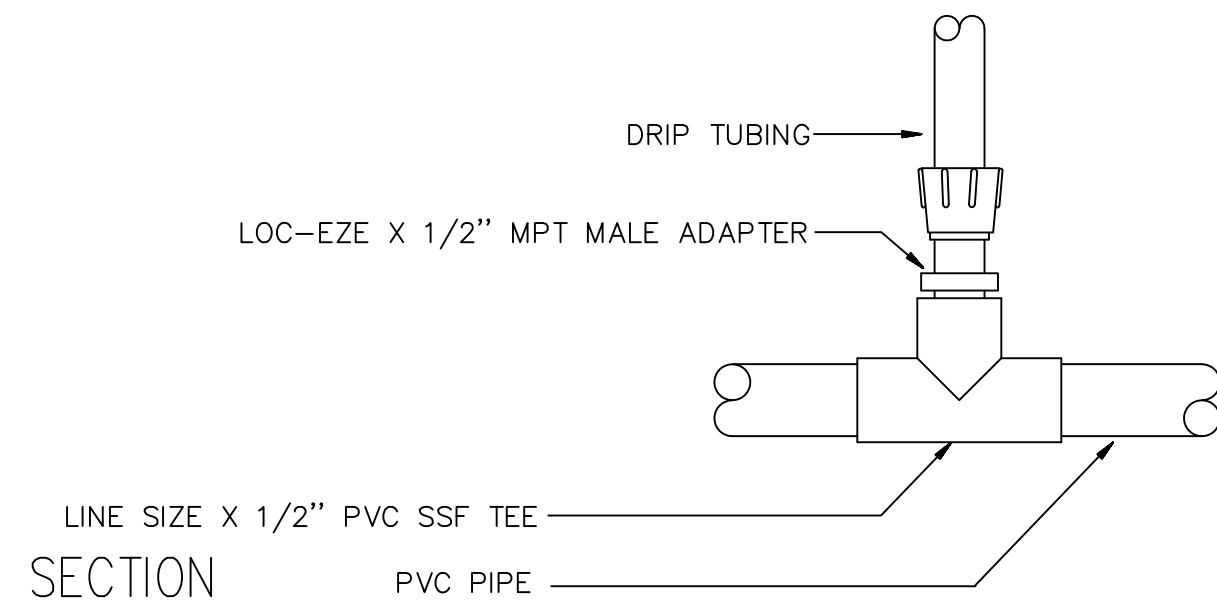
C:\Users\Elisabeth Manley\Box\Project\2018\18-052 Northside CDs - DRMP\04\_Production\03\_Cds\2018-12-17 90%\_01\_Sheets\18052\_MD Northside\_IR Plan.dwg PLOT DATE 1/19/2019 8:21 PM BY MAF



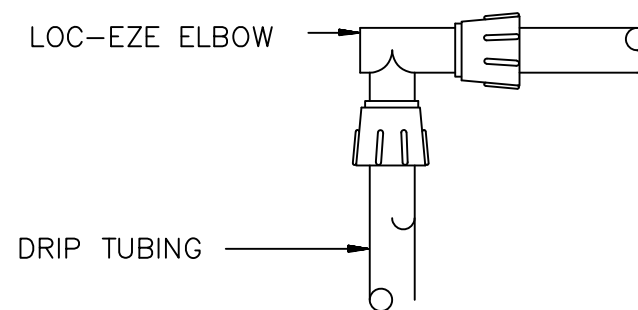
**1 LOC-EZE COUPLING (T-FCC16)**  
SCALE: N.T.S.



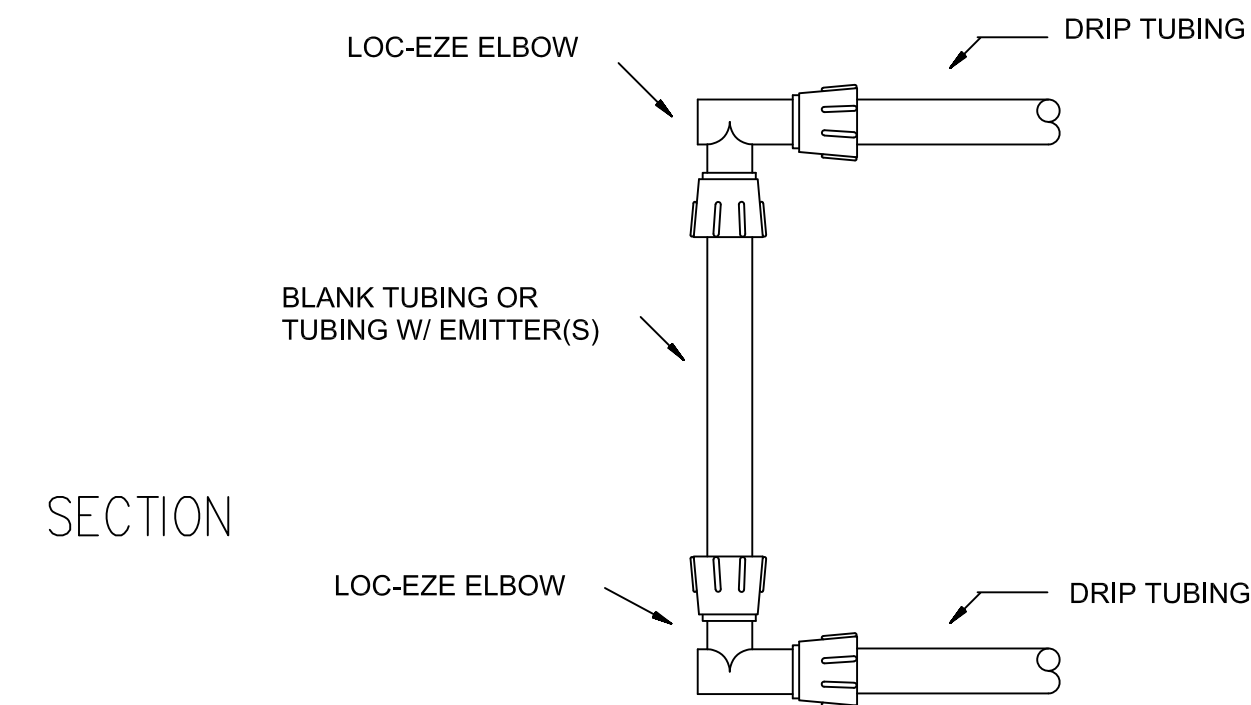
**2 LOC-EZE TEE (T-FTT16)**  
SCALE: N.T.S.



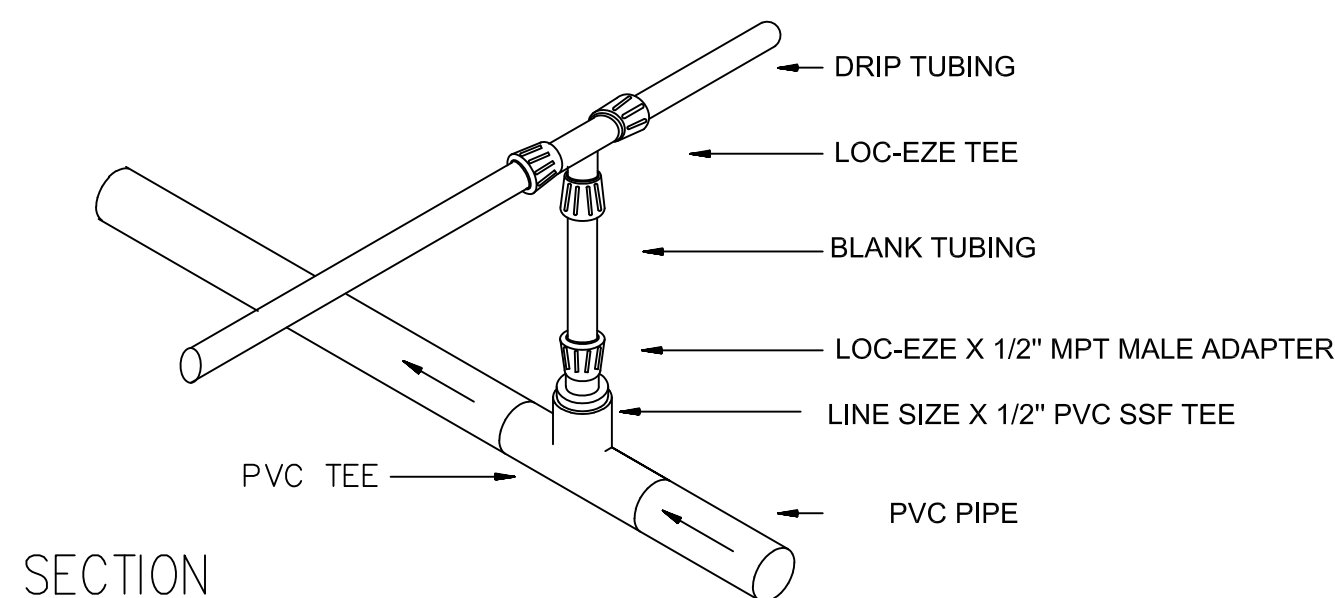
**3 MANIFOLD CONNECTION (PVC TO ADAPTER)**  
SCALE: N.T.S.



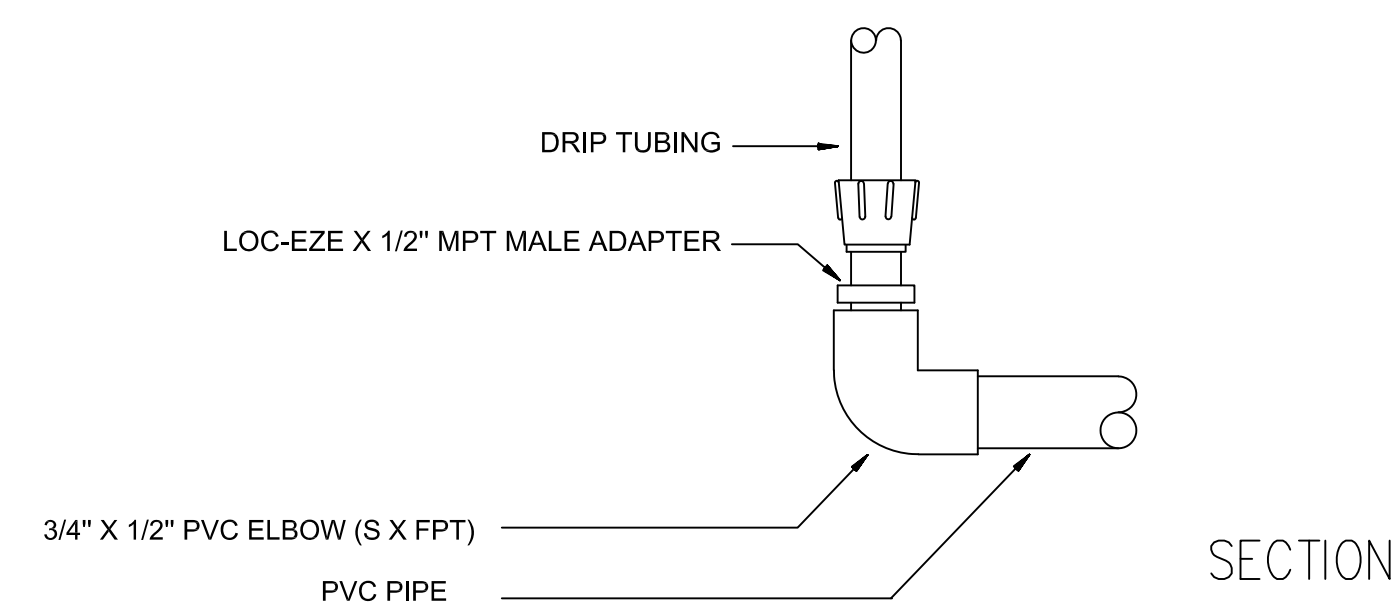
**4 LOC-EZE ELBOW (T-FEEE16)**  
SCALE: N.T.S.



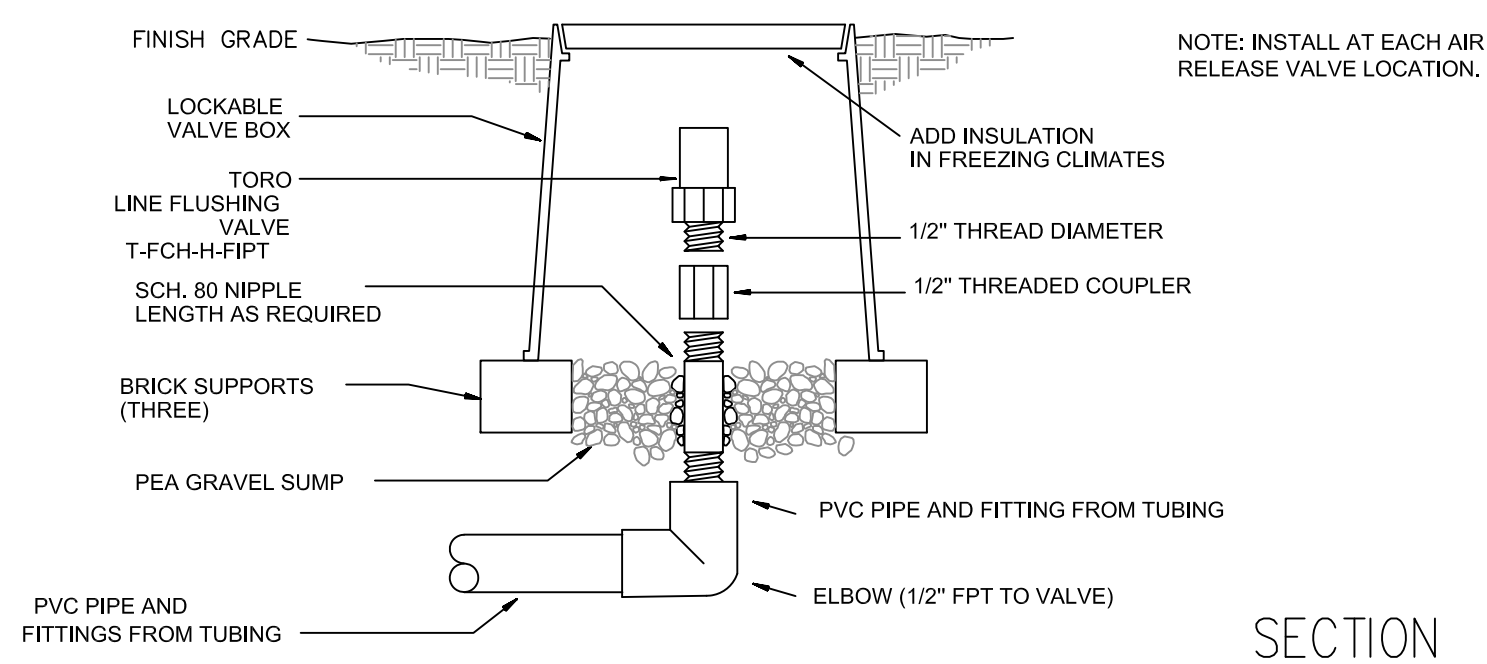
**5 LOC-EZE ELBOW LOOP**  
SCALE: N.T.S.



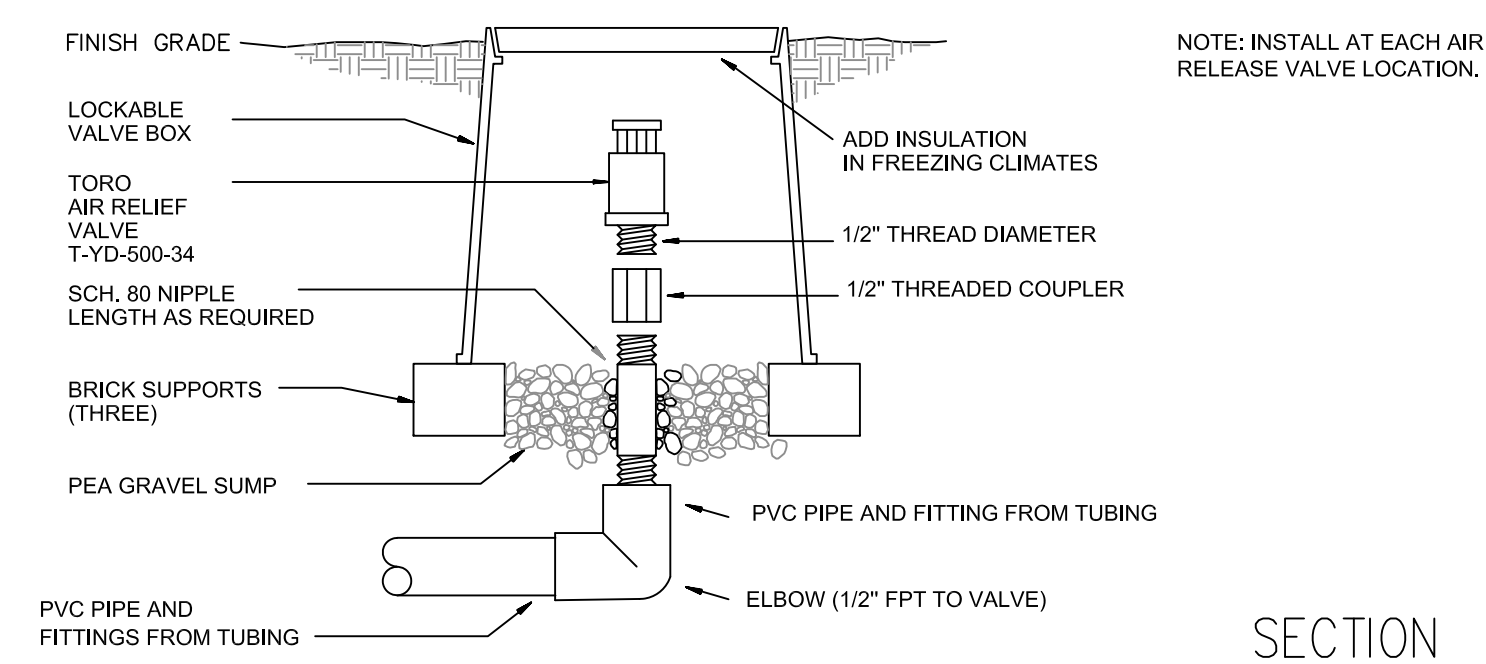
**6 MANIFOLD CONNECTION, CENTER FEED**  
SCALE: N.T.S.



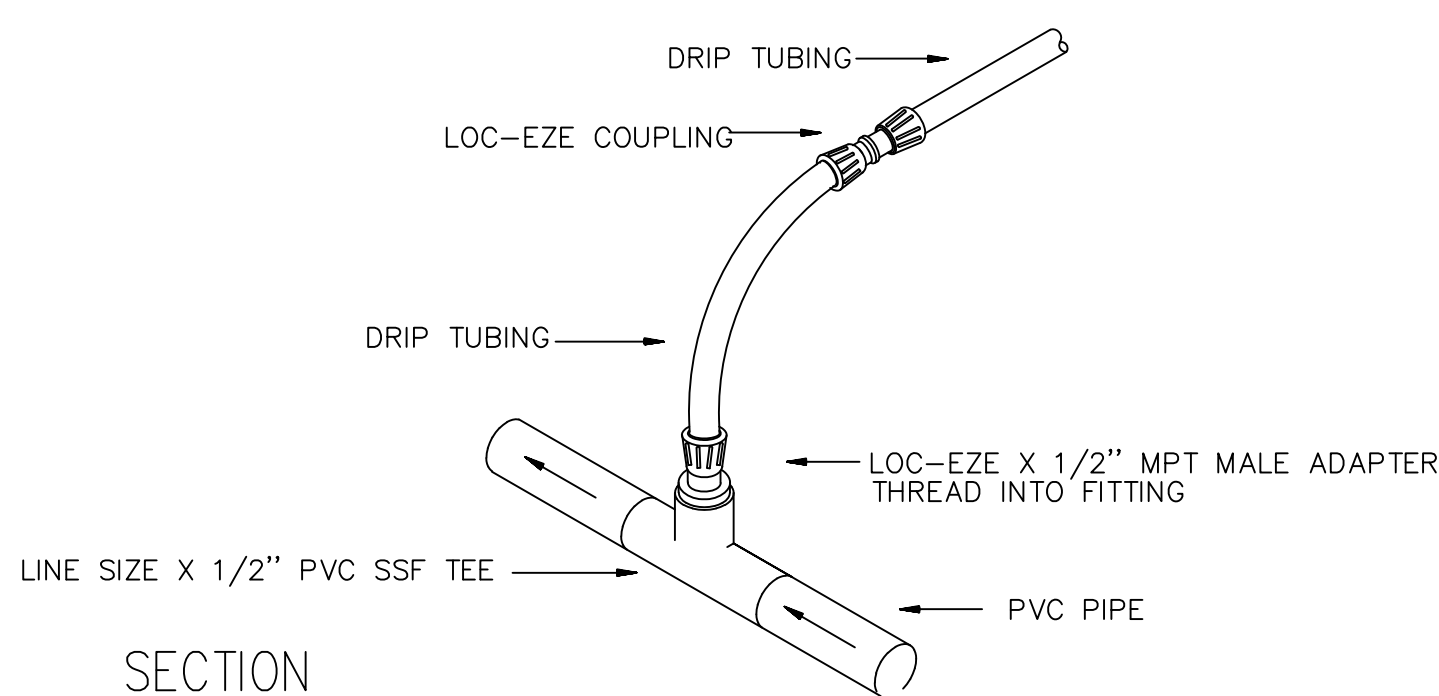
**7 MANIFOLD CONNECTION, PVC TO ADAPTER**  
SCALE: N.T.S.



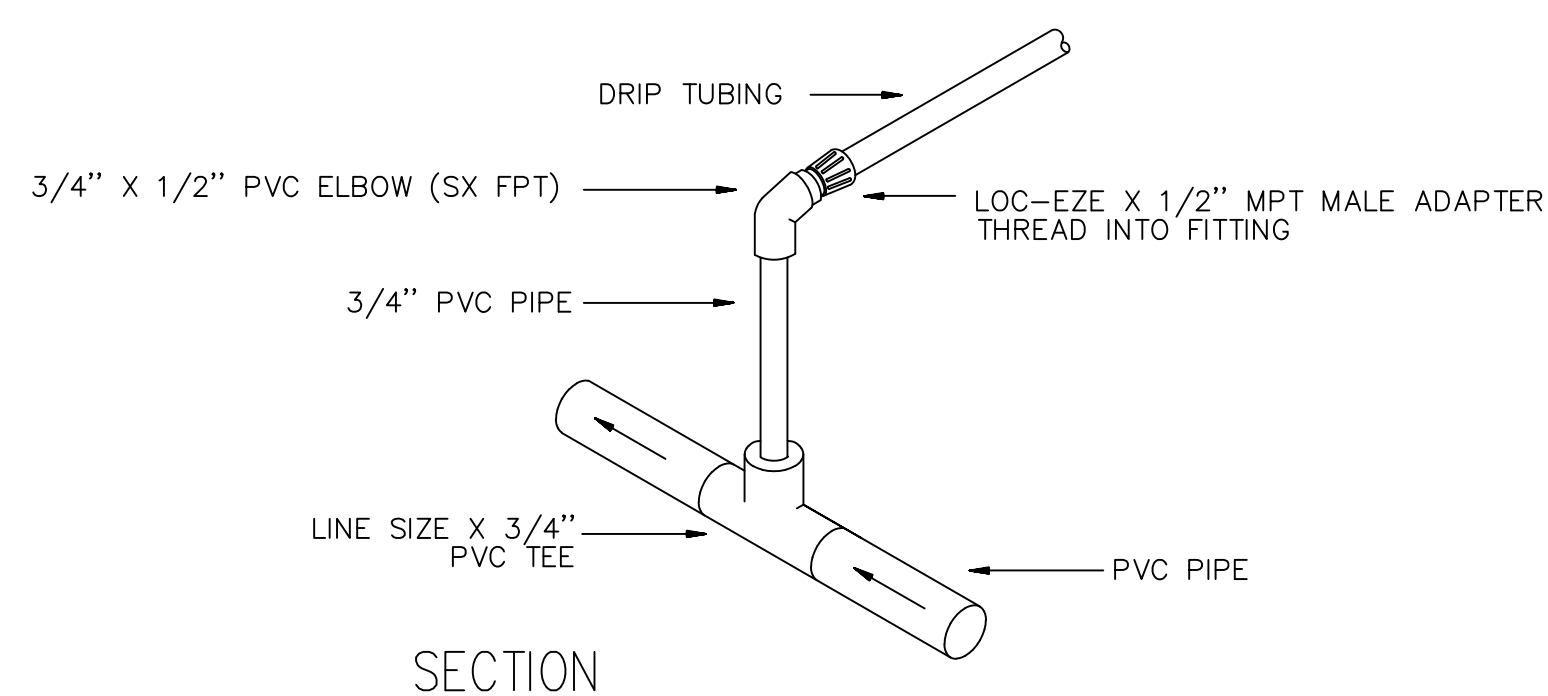
**8 FLUSHING VALVE**  
SCALE: N.T.S.



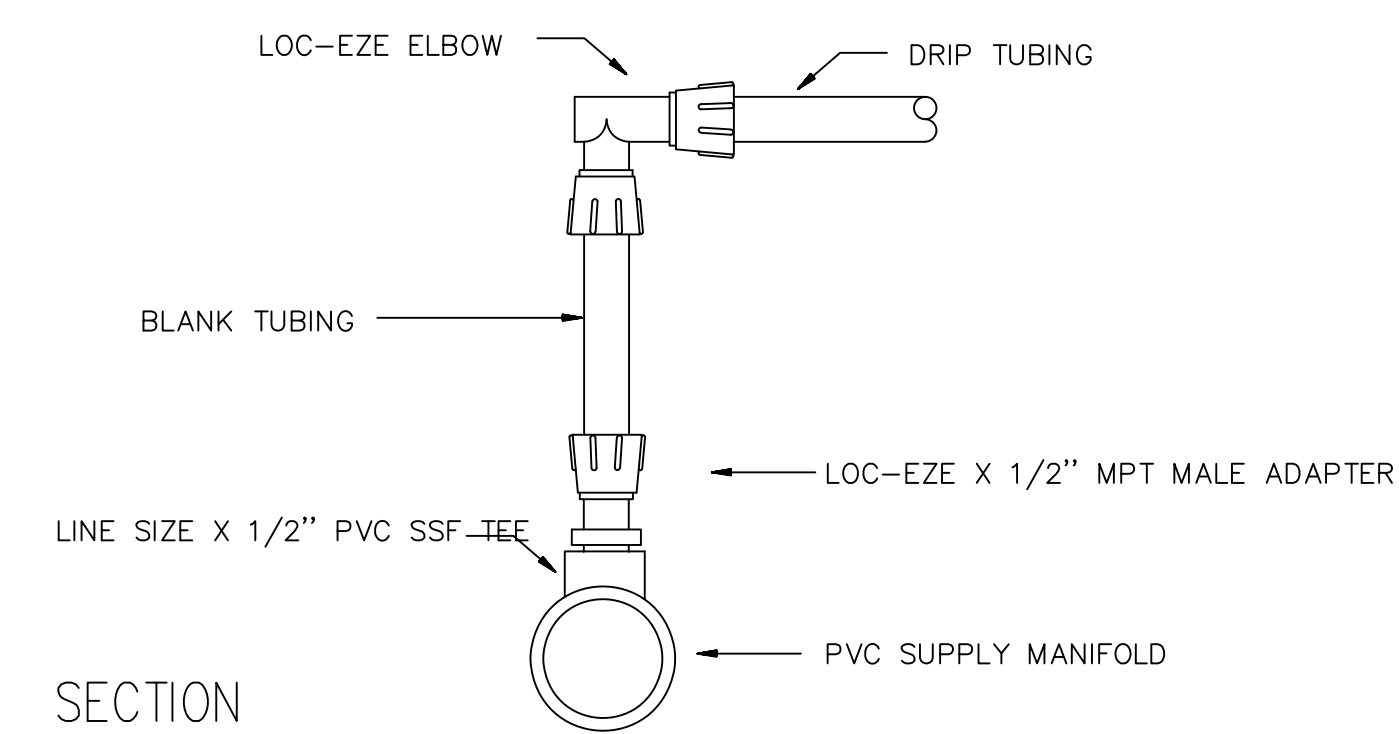
**9 AIR RELIEF VALVE**  
SCALE: N.T.S.



**10 BLANK DL2000 DRIPLINE RISER**  
SCALE: N.T.S.



**11 MANIFOLD (PVC) CONNECTION, END FEED**  
SCALE: N.T.S.



**12 LOC-EZE ELBOW TO LOC-EZE ADAPTER CONNECTION**  
SCALE: N.T.S.

**DRIP TUBING NOTES**

1. INSTALL TORO DL2000 TUBING WITH ALL FITTINGS AS NECESSARY FOR ALL DRIP TUBING (GROUND COVER AND SHRUB) APPLICATIONS
2. INSTALL A LINE OF TUBING 2' TO 4' FROM HARDSCAPE AND BEDLINES.
3. INSTALL A MINIMUM OF 2 ROWS OF TUBING IN ANY AREA.
4. INSTALL TUBING ROWS ON 12" SPACING MAXIMUM.
5. INSTALL TUBING AT FINISHED GRADE UNDER THE MULCH.
6. LOOP ALL RUNS OF TUBING WITH A MAXIMUM LOOP DISTANCE FROM THE SUPPLY MANIFOLD OF 300'.
7. INSTALL ONE TORO T-ALFD15150-L FILTER WITH A STAINLESS STEEL 150 MICRONS) SCREEN FOR EACH VALVE.
8. INSTALL A TORO T-FCH-H-FIPT FLUSHING VALVE AT EACH OF THE AIR/VACUUM RELIEF VALVE LOCATIONS WITH ALL FITTINGS AS NECESSARY TO FLUSH THE SYSTEM INTO THE LANDSCAPE, WHEN NECESSARY.
9. INSTALL A TORO T-YD-500-34 VACUUM/AIR RELIEF VALVE AT THE OPPOSITE ENDS OF THE LOOPED NETWORK AND AT THE TERMINATION OF THE SUPPLY MANIFOLD FROM THE AUTOMATIC VALVE. INSTALL A MANUAL LINE FLUSHING VALVE AT EACH LOCATION.
10. INSTALL A RAIN BIRD "OPERIND" AT EACH VACUUM/AIR RELIEF VALVE LOCATION.
11. DRIP TUBING QUANTITIES ON PLANS ARE APPROXIMATE. CONTRACTOR TO VERIFY EXACT QUANTITIES. CONTRACTOR TO BE PAID FOR ACTUAL QUANTITY OF DRIP TUBING AND BLANK TUBING INSTALLED UP TO A MAXIMUM AS SHOWN ON THE PLANS.
12. 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.
13. INSTALL LANDSCAPE STAPLES 6' O.C. AND ANYWHERE ELSE NECESSARY TO SECURE TUBING TO THE GROUND.
14. FOLLOW THE MANUFACTURER'S INSTALLATION GUIDELINES INCLUDED WITH THE PRODUCTS.
15. DO NOT CURVE TUBING TO LOOP AT THE ENDS OF RUNS. INSTEAD USE (2) 90 DEG. FITTINGS AND A SHORT PIECE OF TUBING.

**NORTHSIDE PARK IMPROVEMENTS**

City of Gainesville  
WSPP



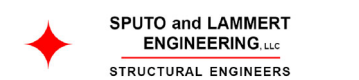
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

**MANLEY DESIGN**

Landscape Architecture • Site Planning  
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SEAL:

NOT FOR CONSTRUCTION

PROJECT NO: 18-0072.001  
CLIENT'S NO:  
ISSUED FOR: 90% REVIEW

ISSUED DATE: 21 JAN 2019

REVISIONS:

SCALE:

AS SHOWN

**IRRIGATION NOTES AND DETAILS**

SHEET NUMBER:

**L-306**

# NORTHSIDE PARK IMPROVEMENTS

City of Gainesville  
WSPP



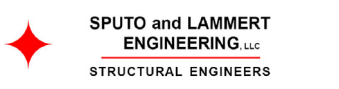
DRMP, Inc.  
7525 NW 4th Boulevard, Suite 70  
Gainesville, Florida 32607  
352-371-2741  
http://www.drmp.com  
Certificate of Authorization no. 2648

## MANLEY DESIGN

Landscape Architecture • Site Planning  
Manley Design, LLC  
224 NW 2nd Avenue, Suite E  
Gainesville, Florida 32601  
352-363-7412  
http://www.manleydesign.net  
Certificate of Authorization no. LC26000575



Hunter Design & Consulting, Inc.  
735 Arlington Ave N, Ste 308  
St Petersburg, Florida 33701  
352-238-6366  
http://www.hdceng.com/  
Certificate of Authorization no. 31946



Sputo and Lammert Engineering, LLC  
10 SW 1st Avenue  
Gainesville, Florida 32601  
352-378-0448  
http://www.sputoandlammert.com/  
Certificate of Authorization no. 6855

SEAL:

PROJECT NO: 18-0072.001  
CLIENT'S NO:  
ISSUED FOR: 90% REVIEW

ISSUED DATE: 21 JAN 2019

REVISIONS:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

SCALE:

SHEET TITLE:  
**IRRIGATION TECHNICAL SPECIFICATIONS**

SHEET NUMBER:  
**L-307**

## SECTION 328400, IRRIGATION SPECIFICATIONS

### 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.

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 F856.

**DRIP TUBING**  
INSTALL TORO DL2000 PRESSURE COMPENSATING .9 GPH, 12" O.C. TUBING FOR ALL DRIP LINE APPLICATIONS.

**DRIP TUBING FITTINGS**  
INSTALL TORO TUBING FITTINGS FOR ALL DRIP LINE APPLICATIONS.

**VALVE BOXES**  
USE 12 X 18 VALVE BOXES FOR ALL APPLICATIONS.

**ELECTRIC VALVES**  
USE RAIN BIRD ELECTRIC VALVES WITH PRESSURE REGULATORS FOR ALL APPLICATIONS.

**CONTROLLER**  
INSTALL AN EXPANSION MODULE TO THE EXISTING CONTROLLER.

**POINT OF CONNECTION**  
CONNECT TO THE EXISTING MAIN LINE AS THE POINT OF CONNECTION. ASSURE THAT 50 GPM AT 50 PSI IS AVAILABLE FOR THIS SYSTEM IN COORDINATION WITH THE EXISTING SYSTEMS OPERATION.

**TREE SPRAYS**  
INSTALL RAIN BIRD 1804-SAM SPRINKLERS WITH 5Q NOZZLES FOR ALL TREE SPRAY APPLICATIONS.

**WIRE**  
USE U.L. U.F. WIRE APPROVED FOR DIRECT BURIAL UNDERGROUND FOR ALL 24 VAC APPLICATIONS.  
USE RED #12 AWG WIRE FOR ALL VALVE POWER WIRES.  
USE WHITE #12 AWG WIRE FOR ALL VALVE COMMON WIRES.  
INSTALL TWO SPARE #12 BLACK WIRES FROM THE CONTROLLER TO THE FARTHEST VALVE GROUP LOCATION.

### PART 3 - EXECUTION

**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.  
COORDINATE THE INSTALLATION OF THE IRRIGATION SYSTEM WITH THE LANDSCAPE CONTRACTOR TO PROVIDE FOR CORRECT APPLICATION OF WATER TO THE PLANT MATERIAL.

**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.

**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. INSTALL (2) EXTRA WIRES POWER FROM EACH CONTROLLER TO THE FARTHEST VALVE IN EACH DIRECTION OPERATED BY THAT CONTROLLER.  
TAPE WIRING TOGETHER AT INTERVALS OF TEN FEET, USING 1/4 INCH FIBER REINFORCED TAPE.  
USE A CONTINUOUS WIRE BETWEEN THE CONTROLLER AND VALVE. 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)  
PROVIDE A SEPARATE POWER WIRE FOR EACH CONTROL VALVE.  
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 AND QUICK COUPLING VALVES IN VALVE BOXES.  
INSTALLATION OF SPRAY HEADS.  
INSTALLATION SCHEDULE - INSTALL SPRAY 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 NECESSARY UNTIL A SUCCESSFUL TEST IS PERFORMED.  
INSPECTIONS  
THE FOLLOWING INSPECTIONS ARE REQUIRED. NOTIFY OWNER OR OWNERS 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 THE CONTROLLER IS INTERFACED WITH A RAIN SWITCH WHICH WILL SHUT THE SYSTEM OFF IN CASE OF RAIN OR FREEZING WEATHER.

**MISCELLANEOUS**  
ALL 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.

**SEAL:**

PROJECT NO: 18-0072.001  
CLIENT'S NO:  
ISSUED FOR: 90% REVIEW

ISSUED DATE: 21 JAN 2019

REVISIONS:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

SCALE:

SHEET TITLE:  
**IRRIGATION TECHNICAL SPECIFICATIONS**

SHEET NUMBER:  
**L-307**

Luminaire Schedule										
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Filename	Lumens Per Lamp	Light Loss Factor	Mounting Height
⊥	L39	10	GE LIGHTING SOLUTIONS	ERLH_13C330 (GRU - STOCK #58327-8)	Evolve LED Roadway Streetlight-ERLH	LED	erlh_13c330_tcm201-129282.ies	12500	0.81	30ft
⊕	L52	53	Cyclone Lighting	CG42T4-AGAF-SKY-3-50W-4K (GRU - STOCK #67848-1)	Augusta Post Top	Sky - 34 LEDs - 530 mA	AUGUSTA-CG42T4-AGAF-SKY-3-50W-4K.ies	5258	0.81	10ft

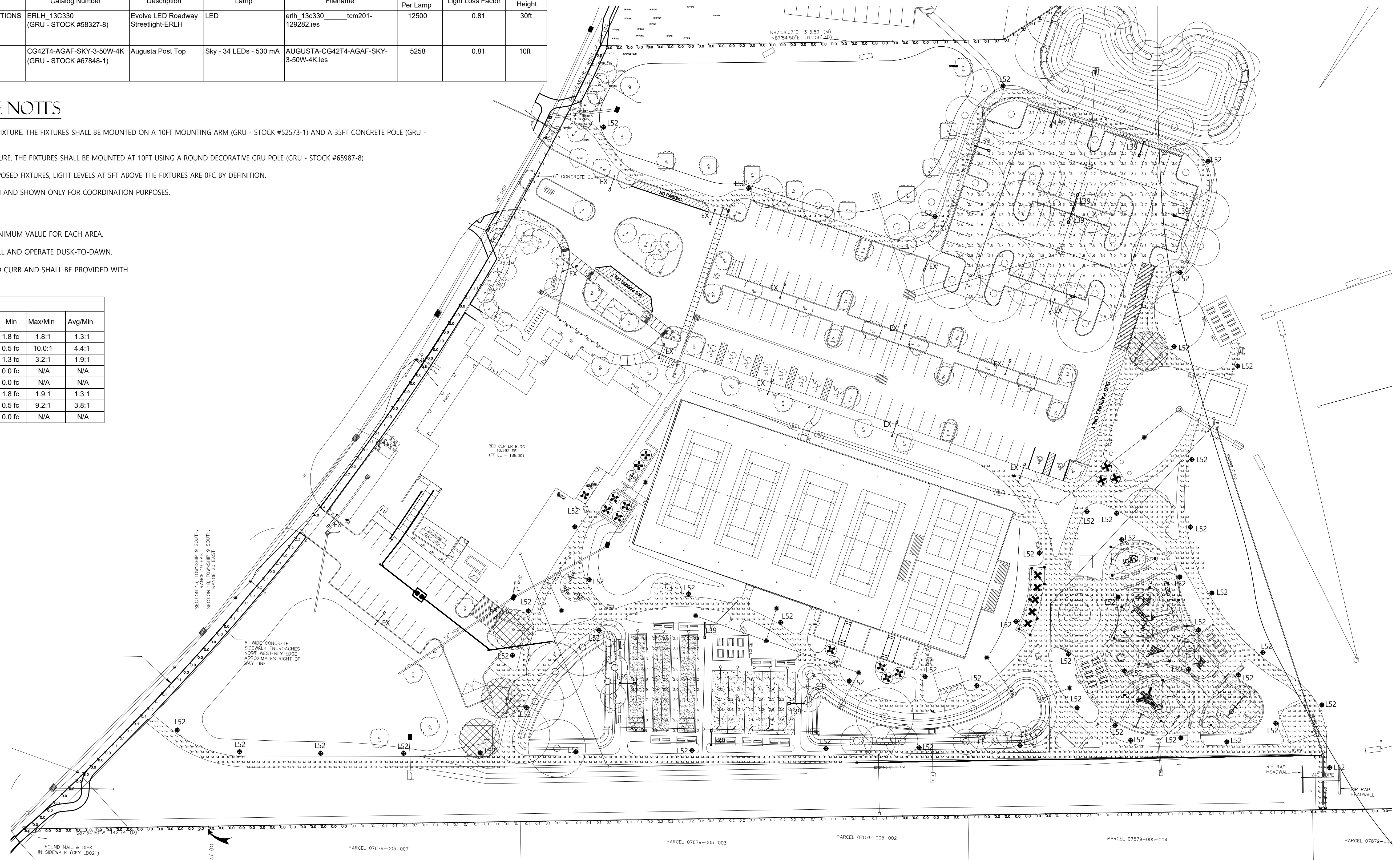
### FIXTURE SCHEDULE NOTES

- TYPE L39 IS A POLE MOUNT, FULL CUT-OFF LED FIXTURE. THE FIXTURES SHALL BE MOUNTED ON A 10FT MOUNTING ARM (GRU - STOCK #52573-1) AND A 35FT CONCRETE POLE (GRU - STOCK #59261-7) WITH 5FT BELOW GRADE.
- TYPE L52 IS A POST-TOP, FULL CUT-OFF LED FIXTURE. THE FIXTURES SHALL BE MOUNTED AT 10FT USING A ROUND DECORATIVE GRU POLE (GRU - STOCK #65987-8)
- DUE TO THE FULL CUT-OFF NATURE OF ALL PROPOSED FIXTURES, LIGHT LEVELS AT 5FT ABOVE THE FIXTURES ARE OFC BY DEFINITION.
- FIXTURES LABELED "EX" ARE EXISTING TO REMAIN AND SHOWN ONLY FOR COORDINATION PURPOSES.

### GENERAL NOTES

- HIGHLIGHTED POINTS REPRESENT MAXIMUM/MINIMUM VALUE FOR EACH AREA.
- FIXTURES WILL BE CONTROLLED WITH PHOTOCELL AND OPERATE DUSK-TO-DAWN.
- POLES SHALL BE LOCATED MINIMUM 24" BEHIND CURB AND SHALL BE PROVIDED WITH CONCRETE POLE BASE.

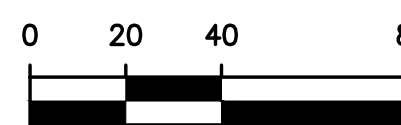
Photometric Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Bocce Ball Courts	+	2.3 fc	3.3 fc	1.8 fc	1.8:1	1.3:1
CIRCULATION	+	2.2 fc	5.0 fc	0.5 fc	10.0:1	4.4:1
New Parking	+	2.5 fc	4.2 fc	1.3 fc	3.2:1	1.9:1
NORTH PROPERTY LINE	+	0.0 fc	0.1 fc	0.0 fc	N/A	N/A
NW PROPERTY LINE	+	0.5 fc	4.0 fc	0.0 fc	N/A	N/A
Petanque	+	2.4 fc	3.4 fc	1.8 fc	1.9:1	1.3:1
PLAYGROUND	+	1.9 fc	4.6 fc	0.5 fc	9.2:1	3.8:1
SOUTH PROPERTY LINE	+	0.1 fc	0.4 fc	0.0 fc	N/A	N/A



### SITE PHOTOMETRIC PLAN

SCALE: 1" = 40'-0"

GRAPHIC SCALE



### PHOTOMETRIC NARRATIVE

THIS PROJECT CONSISTS OF AN EXPANSION OF AN EXISTING PARKING LOT, PUBLIC WALKWAY AND PUBLIC RECREATIONAL FACILITIES AS WELL AS A PLAYGROUND AREA LOCATED IN NORTHSIDE PARK. THE PARK IS LOCATED AT NORTHWEST 34TH BLVD AND NORTHWEST 58TH AVE. TO THE WEST AND EAST OF THE PARK IS A PUBLIC RIGHT OF WAY, TO THE NORTH IS A COMMERCIAL BUILDING, AND TO THE SOUTH IS A MULTIFAMILY COMPLEX.

THE LIGHTING OF THE PARKING LOT ADDITION AS WELL AS RECREATIONAL SPORT AREAS IS ACCOMPLISHED USING FULL CUT OFF, LED GRU RENTAL FIXTURES MOUNTED ON 30FT GRU POLES. THE PUBLIC SIDEWALK AND PLAYGROUND AREA LIGHTING IS ACCOMPLISHED USING FULL CUT OFF, LED POST TOP GRU RENTAL FIXTURES MOUNTED ON DECORATIVE 10FT GRU POLES.

OVERALL THE DESIGN CONFORMS WITH LIGHTING STANDARDS SET FORTH BY GAINESVILLE LIGHTING ORDINANCE SECTION 30-6.12 AND PROVIDES A SAFE AND EFFICIENT METHOD FOR THE PARK'S NIGHT TIME LIGHTING.

HUNTER DESIGN AND CONSULTING, INC.  
 735 ARLINGTON AVE N, STE 308  
 ST. PETERSBURG, FL 33701  
 352-238-6366  
 FLORIDA CA #31946, PE #76961

NORTHSIDE PARK  
 SITE LIGHTING PLAN  
 GAINESVILLE, FLORIDA

#### PROJECT INFORMATION

PROJECT NUMBER: 18086  
 DRAFTED: K. NORTHCUTT  
 DESIGNED: K. HUNTER  
 REVIEWED: K. HUNTER  
 ISSUE DATE: 11/21/18

#### REVISIONS

#### SHEET NUMBER

E-1