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GENERAL CONSTRUCTION NOTES

1. THE CONTRACTOR AND SUBCONTRACTORS SHALL OBTAIN A COPY OF THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (LATEST EDITION), AND BECOME FAMILIAR WITH THE CONTENTS PRIOR TO COMMENCING WORK.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY. THE CONTRACTOR SHALL FURNISH ALL NECESSARY MATERIALS, EQUIPMENT, MACHINERY, TOOLS, MEANS OF TRANSPORTATION AND LABOR NECESSARY TO COMPLETE THE WORK IN FULL AND COMPLETE ACCORDANCE WITH THE SHOWN, DESCRIBED AND REASONABLY INTENDED REQUIREMENTS OF THE CONTRACT DOCUMENTS AND JURISDICTIONAL AGENCY REQUIREMENTS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 2 WORKING DAYS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR MUST CALL THE UTILITY COMPANIES BEFORE COMMENCING WORK.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS AND BONDS IF REQUIRED PRIOR TO CONSTRUCTION.
5. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONSTRUCTION DOCUMENTS INCLUDING PLANS, SPECIFICATIONS, AND SPECIAL CONDITIONS AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS.
6. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND THE ENGINEER.
7. ALL COPIES OF COMPACTATION, CONCRETE AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE OWNER AND ENGINEER DIRECTLY FROM THE TESTING AGENCY.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TO THE ENGINEER A CERTIFIED RECORD SURVEY SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA DEPENDING ON THE ACTUAL FIELD LOCATION OF ALL CONSTRUCTED IMPROVEMENTS THAT ARE REQUIRED BY THE JURISDICTIONAL AGENCIES FOR THE CERTIFICATION PROCESS. ALL SURVEY COSTS WILL BE THE CONTRACTOR'S RESPONSIBILITY.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING AS-BUILT INFORMATION WHICH SHALL BE RECORDED AS CONSTRUCTION PROGRESSES OR AT THE COMPLETION OF APPROPRIATE CONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE OWNER FOR THE PURPOSE OF CERTIFICATION TO JURISDICTIONAL AGENCIES AS REQUIRED. ALL AS-BUILT DATA SHALL BE COLLECTED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR WHOSE SERVICES ARE ENGAGED BY THE CONTRACTOR.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK THAT WOULD BE AFFECTED. FAILURE TO NOTIFY OWNER OF AN IDENTIFIABLE CONFLICT PRIOR TO PROCEEDING WITH INSTALLATION RELIEVES OWNER OF ANY OBLIGATION TO PAY FOR A RELATED CHANGE ORDER.
11. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR VERIFYING ALL QUANTITIES, TAKE-OFF MEASUREMENTS, MATERIALS, ETC. DURING THE BID PROCESS WHEN DISCREPANCIES OCCUR, THE PHYSICAL PLAN TAKES PRECEDENCE, THE ENGINEER, LANDSCAPE ARCHITECT, COUNTY, CITY OR PROJECT MANAGERS ARE NOT TO BE HELD RESPONSIBLE FOR DISCREPANCIES TO THE SPECIFICATIONS OR PLANS.
12. THE CONTRACTOR SHALL LIMIT CONSTRUCTION OPERATIONS TO WITHIN THE LIMITS OF CONSTRUCTION. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ANY DAMAGES OUTSIDE THE LIMITS OF CONSTRUCTION.
13. CONTRACTOR IS ADVISED THAT THE U.S. ENVIRONMENTAL PROTECTION AGENCY REQUIRES THAT ALL OPERATORS FILE A NOTICE OF INTENT (NOI) FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY UNDER THE NPDES GENERAL PERMIT PRIOR TO BEGINNING WORK. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO OBTAIN THE SAME. A COPY SHALL BE SENT TO THE ENGINEER OF RECORD, ARCHITECT OF RECORD AND THE OWNER.
14. FLORIDA LAW (F.S. 553.851) PROTECTION OF UNDERGROUND PIPELINES MANDATES THAT NO EXCAVATOR SHALL COMMENCE OR PERFORM ANY EXCAVATION WITHOUT FIRST OBTAINING INFORMATION CONCERNING THE POSSIBLE LOCATION OF GAS PIPELINES IN THE AREA OF PROPOSED EXCAVATION. THE EXCAVATOR MUST NOTIFY THE GAS UTILITY A MINIMUM OF 2 WORKING DAYS AND A MAXIMUM OF 5 WORKING DAYS PRIOR TO EXCAVATION.
15. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH THE LOCAL ELECTRICAL PROVIDER ON ANY WORK IN THE VICINITY OF OVERHEAD OR UNDERGROUND POWER LINES.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL PLANS RELATED TO SITE WORK INCLUDING (BUT NOT LIMITED TO) LANDSCAPE IRRIGATION, SITE LIGHTING, BUILDING FOUNDATION, PLUMBING, FIRE SPRINKLER, AND OTHER APPLICABLE PLANS FOR CONFLICTING INFORMATION AND ALERT OWNER'S REPRESENTATIVE OF ANY CONFLICT FOR RESOLUTION.
17. CONTRACTOR SHALL VERIFY LOCATION OF ALL IRRIGATION, STREET LIGHTING, AND ELECTRICAL CONDUIT THAT WILL BE IN CONFLICT WITH ANY PROPOSED CONSTRUCTION AND SHALL RESOLVE CONFLICT ACCORDINGLY. COST OF CONFLICT RESOLUTION SHALL BE INCLUDED IN THE BID.
18. ANY DEBRIS RESULTING FROM STRIPPING AND DEMOLITION OPERATIONS SHALL BE REMOVED FROM THE SITE AT FREQUENT INTERVALS TO PREVENT THIS MATERIAL FROM ACCUMULATING ON SITE.
19. UPON REMOVAL OF TREES, SHRUBS OR ANY STUMP GRINDING, NO ROOT GREATER THAN THREE INCHES IN DIAMETER SHALL REMAIN WITHIN FIVE FEET OF AN UNDERGROUND STRUCTURE OR UTILITY LINE OR UNDER SLABS OR FOOTINGS OR PAVED AREAS.
20. THE CONTRACTOR SHALL RESTORE ALL DISTURBED VEGETATION IN KIND, UNLESS SHOWN OTHERWISE.
21. THE CONTRACTOR SHALL ENSURE THAT ANY TREE OR SHRUB PLANTED WITHIN WATER, SEWER OR DRAINAGE EASEMENTS SHALL CONFORM TO THE LAKE PARK STANDARD DETAILS

TRENCH SAFETY ACT

1. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLIANCE WITH THE STATE OF FLORIDA TRENCH SAFETY ACT.
2. WHERE EXCAVATIONS TO A DEPTH IN EXCESS OF FIVE FEET (5') ARE REQUIRED, THE CONTRACTOR SHALL INCLUDE THE FOLLOWING INFORMATION IN THE BID:
 - A. A REFERENCE TO THE TRENCH SAFETY STANDARDS THAT WILL BE IN EFFECT DURING THE PERIOD OF CONSTRUCTION OF THE PROJECT.
 - B. WRITTEN ASSURANCES BY THE CONTRACTOR PERFORMING THE TRENCH EXCAVATION THAT SUCH CONTRACTOR WILL COMPLY WITH THE APPLICABLE TRENCH SAFETY STANDARDS.
 - C. A SEPARATE ITEM IDENTIFYING THE COST OF COMPLIANCE WITH THE APPLICABLE TRENCH SAFETY STANDARDS.
3. WHEN A BID IS NOT SUBMITTED, THE CONTRACTOR SHALL SUBMIT THE INFORMATION LISTED IN ITEM "2" TO THE ENGINEER PRIOR TO STARTING WORK.

UTILITIES

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

WATER AND SEWER UTILITY NOTES

1. ALL CONSTRUCTION SHALL MEET OR EXCEED THE LOCAL WATER AND SEWER REQUIREMENTS AND THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION REQUIREMENTS UNLESS OTHERWISE NOTED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE SPECIFICATIONS AND DETAILS FROM THE LOCAL AGENCY.
2. THE CONTRACTOR SHALL CONSTRUCT GRAVITY SEWER LATERALS, MANHOLES AND GRAVITY SEWER LINES AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL FURNISH ALL NECESSARY MATERIALS, EQUIPMENT, MACHINERY, TOOLS, MEANS OF TRANSPORTATION AND LABOR NECESSARY TO COMPLETE THE WORK IN FULL AND COMPLETE ACCORDANCE WITH THE SHOWN, DESCRIBED AND REASONABLY INTENDED REQUIREMENTS OF THE CONTRACT DOCUMENTS AND JURISDICTIONAL AGENCY REQUIREMENTS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
3. EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF THE TOPOGRAPHIC SURVEY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE HE COMMENCES ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.
4. DEFLECTION OF PIPE JOINTS AND CURVATURE OF PIPE SHALL NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS. SECURELY CLOSE ALL OPEN ENDS OF PIPE AND FITTINGS WITH A WATERTIGHT PLUG WHEN WORK IS NOT IN PROGRESS. THE INTERIOR OF ALL PIPES SHALL BE CLEAN AND JOINT SURFACES WIPED CLEAN AND DRY AFTER THE PIPE HAS BEEN LOWERED INTO THE TRENCH. VALVES SHALL BE PLUMB AND LOCATED ACCORDING TO THE PLANS.
5. ALL PHASES OF INSTALLATION, INCLUDING UNLOADING, TRENCHING, LAYING AND BACK FILLING, SHALL BE DONE IN A FIRST CLASS WORKMANLIKE MANNER. PIPES PROVIDED IN THEIR STANDARD STORED FOLLOWING MANUFACTURER'S RECOMMENDATIONS. CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE COATING OR LINING OF ANY D.I. PIPE FITTINGS. ANY PIPE OR FITTING WHICH IS DAMAGED OR WHICH HAS FLAWS OR IMPERFECTIONS WHICH, IN THE OPINION OF THE ENGINEER OR OWNER, RENDERS IT UNFIT FOR USE, SHALL NOT BE USED. ANY PIPE NOT SATISFACTORY FOR USE SHALL BE CLEARLY MARKED AND IMMEDIATELY REMOVED FROM THE JOB SITE, AND SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
6. WATER FOR FIRE FIGHTING SHALL BE AVAILABLE FOR USE PRIOR TO COMBUSTIBLES BEING BROUGHT ON SITE.
7. ALL UTILITY AND STORM DRAIN TRENCHES LOCATED UNDER AREAS TO RECEIVE PAVING SHALL BE COMPLETELY BACK FILLED IN ACCORDANCE WITH THE GOVERNING JURISDICTIONAL AGENCY'S SPECIFICATIONS. IN THE EVENT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
8. UNDERGROUND LINES SHALL BE AS-BUILT BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR BEFORE BACK FILLING.
9. CONTRACTOR SHALL PERFORM, AT HIS OWN EXPENSE, ANY AND ALL TESTS REQUIRED BY THE SPECIFICATIONS AND/OR ANY AGENCY HAVING JURISDICTION. THESE TESTS MAY INCLUDE, BUT MAY NOT BE LIMITED TO, INFILTRATION AND EXFILTRATION, TELEVISION INSPECTION AND A MANHOLE TEST ON GRAVITY SEWER. A COPY OF THE TEST RESULTS SHALL BE PROVIDED TO THE UTILITY PROVIDER, OWNER AND JURISDICTIONAL AGENCY AS REQUIRED.
10. ALL PIPES AND CONNECTIONS ARE TO BE RESTRAINED IN ACCORDANCE WITH THE DETAILS OR JURISDICTIONAL AGENCY REQUIREMENTS, WHICHEVER IS THE MOST STRINGENT.
11. ALL WATER DISTRIBUTION SYSTEM MATERIALS (INCLUDING SERVICES) AND INSTALLATION SHALL CONFORM TO THE SPECIFICATION W/ANSI/AWWA C-151/A21.51-02 DUCTILE IRON PIPE (D.I.P.), CLASS 50 FOR 6" DIAMETER PIPE AND LARGER AND CLASS 51 IF PIPE DIAMETER IS SMALLER THAN 6" OR ANSI/AWWA C-300-97, PVC PIPE WITH A MAXIMUM SDR OF 18. ALL D.I.P. WATER MAINS SHALL BE COINTEGRANT LINED AND SEAL COATED IN ACCORDANCE WITH ANSI/AWWA STANDARDS. ALL D.I.P. FORCE MAINS SHALL BE COATED OUTSIDE WITH A BITUMINOUS COATING APPROXIMATELY ONE MIL THICK IN ACCORDANCE WITH ANSI 21.51-8. CEMENT MORTAR LININGS ARE NOT APPROPRIATE FOR THIS APPLICATION. ALL D.I.P. FORCE MAINS AND GRAVITY SEWER MAINS SHALL BE COATED INSIDE WITH POLYBOND VIRGIN POLYETHYLENE COMPLYING WITH A.S.T.M. DESIGNATION D 1249 AND HAVE A MINIMUM "N" VALUE OF .0012. SEE PROJECT SPECIFICATIONS MANUAL FOR MORE DETAILS. OR PROTECTOR 401 CERAMIC EPOXY. ALL PIPES SHALL HAVE A MINIMUM OF 36" CLEAR COVER. ALL PVC PIPE SHALL BE LAID WITH A MINIMUM OF 36" CLEAR COVER.
12. ALL POTABLE WATER PIPE AND PIPE FITTINGS INSTALLED UNDER THIS PROJECT WILL BE COLOR CODED OR MARKED IN ACCORDANCE WITH F.A.C. 62-555.320(2)(B)3, USING BLUE AS THE PREDOMINANT COLOR. (UNDERGROUND PIPE SHALL BE COLORED BLUE AND UNDESIRABLE MATERIALS SHALL BE COLORED BLACK EXTERNAL SKIN, OR WILL BE WHITE OR BLACK WITH BLUE STRIPES INCORPORATED INTO, OR APPLIED TO, THE PIPE WALL, PIPE STRIPPED DURING THE MANUFACTURING OF THE PIPE WILL HAVE CONTINUOUS STRIPES THAT RUN PARALLEL TO THE AXIS OF THE PIPE, THAT ARE LOCATED AT NO GREATER THAN 90-DEGREE INTERVALS AROUND THE PIPE, AND THAT WILL REMAIN INTACT DURING AND AFTER INSTALLATION OF THE PIPE. IF TAPE OR PAINT IS USED TO STRIPE PIPE DURING AND AFTER INSTALLATION OF THE PIPE, THE TAPE OR PAINT WILL BE APPLIED IN A CONTINUOUS LINE THAT RUNS PARALLEL TO THE AXIS OF THE PIPE AND THAT IS LOCATED ALONG THE TOP OF THE PIPE, FOR PIPE WITH AN INTERNAL DIAMETER OR 24" OR GREATER, TAPE OR PAINT WILL BE APPLIED IN CONTINUOUS LINES ALONG EACH SIDE OF THE PIPE. IF THE PIPE IS 24" OR GREATER, THE TOP OF THE PIPE, ABOVEGROUND PIPE WILL BE PAINTED BLUE OR WILL BE COLOR CODED OR MARKED LIKE UNDERGROUND PIPE.
13. ALL WATER MAINS ARE DESIGNED FOR A MINIMUM WORKING PRESSURE OF 150 PSI, HAVE COMPRESSION TYPE BELL JOINTS AND BE EITHER ANSI/AWWA C-151/A21.51-02 DUCTILE IRON PIPE (D.I.P.), CLASS 50 FOR 6" DIAMETER PIPE AND LARGER AND CLASS 51 IF PIPE DIAMETER IS SMALLER THAN 6" OR ANSI/AWWA C-300-97, PVC PIPE WITH A MAXIMUM SDR OF 18. ALL D.I.P. WATER MAINS SHALL BE COINTEGRANT LINED AND SEAL COATED IN ACCORDANCE WITH ANSI/AWWA STANDARDS. ALL D.I.P. FORCE MAINS SHALL BE COATED OUTSIDE WITH A BITUMINOUS COATING APPROXIMATELY ONE MIL THICK IN ACCORDANCE WITH ANSI 21.51-8. CEMENT MORTAR LININGS ARE NOT APPROPRIATE FOR THIS APPLICATION. ALL D.I.P. FORCE MAINS AND GRAVITY SEWER MAINS SHALL BE COATED INSIDE WITH POLYBOND VIRGIN POLYETHYLENE COMPLYING WITH A.S.T.M. DESIGNATION D 1249 AND HAVE A MINIMUM "N" VALUE OF .0012. SEE PROJECT SPECIFICATIONS MANUAL FOR MORE DETAILS. OR PROTECTOR 401 CERAMIC EPOXY. ALL PIPES SHALL HAVE A MINIMUM OF 36" CLEAR COVER. ALL PVC PIPE SHALL BE LAID WITH A MINIMUM OF 36" CLEAR COVER.
14. NEW OR RELOCATED, UNDERGROUND WATER MAINS INCLUDED IN THIS PROJECT WILL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER, STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER. A HORIZONTAL DISTANCE OF AT LEAST SIX FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY-TYPE SANITARY SEWER IF THE BOTTOM OF THE WATER MAIN WILL BE LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER). A HORIZONTAL DISTANCE OF AT LEAST SIX FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER.
15. NEW OR RELOCATED, UNDERGROUND WATER MAINS INCLUDED IN THIS PROJECT THAT WILL CROSS ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER WILL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES ABOVE THE OTHER PIPELINE OR AT LEAST 12 INCHES BELOW THE OTHER PIPELINE, NEW OR RELOCATED, UNDERGROUND WATER MAINS INCLUDED IN THIS PROJECT THAT WILL CROSS ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER WILL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OTHER PIPELINE.
16. THE WATER SYSTEM SHALL BE CLEANED OF DEBRIS, FLUSHED AND TESTED FOR A PERIOD OF NOT LESS THAN 2 HOURS AT A MINIMUM STARTING PRESSURE OF 150 PSI WITH AN ALLOWABLE LEAKAGE NOT TO EXCEED THE ALLOWABLE GAL/HR IN ACCORDANCE WITH THE ANSI/AWWA C-600-05 STANDARD SECTION 4.2.2.

$$L = \frac{SD \cdot P}{148,000}$$

L = ALLOWABLE LEAKAGE, GALLONS/HOUR
S = LENGTH OF PIPE TESTED, FEET
D = NOMINAL DIAMETER, INCHES
P = AVERAGE TEST PRESSURE, LB/IN GAUGE
17. AFTER THE PRESSURE TEST, THE SYSTEM SHALL BE DISINFECTED. DISINFECTION SHALL BE IN ACCORDANCE W/ANSI/AWWA C651-05 STD. BACTERIOLOGICAL TESTS SHALL BE TAKEN TWO (2) CONSECUTIVE DAYS, AT LEAST 24 HOURS APART AND SHALL BE AT LEAST ONE SAMPLE PER 1,200 FEET OF MAIN IN THE SYSTEM. THE SAMPLE SHALL HAVE A HETEROTROPHIC PLATE COUNT (HPC) LESS THAN 500 CFU/ML AND SHALL BE FREE OF COLIFORM BACTERIA.
18. AT THE TIME OF BACTERIOLOGICAL SAMPLING, CHLORINE RESIDUAL DETERMINATION SHALL BE MADE TO INSURE THAT CHLORINE CONCENTRATION IN THE MAIN IS NO HIGHER THAN 1.0 MG/L, FREE OR 0.6 MG/L COMBINED (4.0 MG/L FREE OR 4.0 MG/L COMBINED MAXIMUM), OR LESS THAN 0.2 MG/L FREE OR 0.6 MG/L COMBINED. THE RESULT SHALL BE REPORTED ALONG WITH THE BACTERIOLOGICAL TEST RESULTS. ALL TESTING SHALL BE COORDINATED AND PAID FOR BY THE CONTRACTOR.

INTERRUPTION OF EXISTING UTILITIES

ANY CONSTRUCTION WORK THAT REQUIRES INTERRUPTION OF SERVICE TO ANY CUSTOMER SHALL BE DONE SO WITH A MINIMUM OF SEVENTY-TWO (72) HOUR NOTICE TO AND WRITTEN APPROVAL BY THE APPROPRIATE UTILITY COMPANY. THE CONTRACTOR SHALL ARRANGE A MEETING WITH THE LOCAL JURISDICTIONAL AGENCIES AND OTHER GOVERNING AGENCIES, AND OTHER AFFECTED UTILITIES PRIOR TO SCHEDULING THE SHUTDOWN TO ASSESS THE SCOPE OF WORK. ALL SYSTEM SHUT DOWNS SHALL BE SCHEDULED BY THE CONTRACTOR AT SUCH TIME THAT SYSTEM DEMAND IS LOW. THIS GENERALLY REQUIRES NIGHT TIME WORK. THE CONTRACTOR AND REQUIRES FULL TIME INSPECTION BY A REPRESENTATIVE OF THE UTILITY. ALL COST FOR OVERTIME WORK BY THE REPRESENTATIVE OF THE UTILITY SHALL BE BORNE BY THE CONTRACTOR. EACH CUSTOMER AFFECTED BY THE SHUT DOWN SHALL BE PROVIDED, MINIMUM, FORTY-EIGHT (48) HOURS WRITTEN NOTIFICATION BY THE CONTRACTOR.

EROSION CONTROL NOTES

1. THE STORM WATER POLLUTION PREVENTION PLAN ("SWPPP") IS COMPRISED OF THIS EROSION AND SEDIMENTATION CONTROL PLAN, THE STANDARD DETAILS, AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS PROVIDED BY THE CONTRACTOR.
2. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE OF FLORIDA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
3. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
4. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY THE PERMITTING AGENCY OR OWNER.
5. EROSION AND SEDIMENTATION CONTROL PLAN MUST CLEARLY DELINEATE ALL STATE WATERS, PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.
6. THE CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
7. CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.
8. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
9. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLotation BOOMS SHALL BE MAINTAINED AT ALL LOCATIONS OF ALL CONSTRUCTED AREAS TO PREVENT OIL AND GREASE FROM BEING SPILLED OR LEAKED. ADDITIONAL MATERIALS SHALL BE AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
10. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
11. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THE PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.
12. STABILIZATION PRACTICES SHOULD BE INITIATED AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS WHERE CONSTRUCTION HAS TEMPORARILY OR PERMANENTLY CEASED.
13. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY STABILIZED. THESE AREAS SHALL BE STABILIZED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRED.
14. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PAVED OR GRAVEL SURFACE. A WASH PIT MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.
15. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED AS SOON AS POSSIBLE.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE DETENTION POND AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
17. ON-SITE & OFF-SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE EROSION AND SEDIMENTATION CONTROL PLAN AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
18. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
19. DUE TO GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES AS NECESSARY AS CONSTRUCTION PROGRESSES (SILT FENCES, ETC.) TO PREVENT EROSION.
20. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY, THIS INCLUDES BACK FILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.
21. EROSION AND SEDIMENTATION CONTROL PLANS PROVIDED HEREIN ARE A GUIDELINE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR PREPARING THE FINAL STORM WATER POLLUTION PREVENTION PLAN. THE PLAN SHALL BE SUBMITTED TO THE OWNER AND ENGINEER WHICH DEMONSTRATES THE MECHANISMS AND PRACTICES THAT WILL BE EMPLOYED TO PROTECT THE CONSTRUCTION SITE AND SURROUNDING AREA DURING CONSTRUCTION. THE PLAN SHALL BE CONSISTENT WITH FEDERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES PERMIT REQUIREMENTS PERTAINING TO POLLUTION PREVENTION PLANS. THE PLAN SHALL INCLUDE, BUT NOT BE LIMITED TO, THE LOCATIONS OF SILT BARRIERS, TURBIDITY SCREENS OR TEMPORARY SHEETING, EMERGENCY RESPONSE PRACTICES, AND OTHER METHODS TO PREVENT POLLUTION, REFUELING OR STORAGE OF VEHICLES OR EQUIPMENT THAT UTILIZE PETROLEUM BASED PRODUCTS SHALL BE PROHIBITED ANYWHERE WITHIN 50 FEET OF A WATER'S EDGE. THE PLAN SHALL BE SUBMITTED TO THE OWNER AFTER NOTICE OF AWARD AND PRIOR TO NOTICE TO PROCEED, AFTER REVIEW BY OWNER THE PLAN SHALL BE FILED WITH ALL APPLICABLE REGULATORY AGENCIES BY THE CONTRACTOR. REFER TO FURTHER NOTES AND DETAILS WITHIN THESE DOCUMENTS.
22. SILT FENCE IS REQUIRED AS SHOWN ON THE PLANS AND ANYWHERE ADDITIONAL AS REQUIRED BY CONSTRUCTION. SILT FENCE IS NOT APPLICABLE IN PAVEMENT AREAS. LIMITS OF CONSTRUCTION SHOWN ARE DIAGRAMATIC. CONTRACTOR TO PROVIDE PLAN FOR SHOP DRAWING REVIEW.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE USE OF MOTOR OILS AND GREASE, OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.

MAINTENANCE

1. ALL MEASURES STATED ON THE EROSION AND SEDIMENT CONTROL PLAN, AND IN THE CONSTRUCTION/PRESERVATION OF EXISTING TREES, ALL TREES NOT SPECIFICALLY SHOWN TO BE REMOVED OR RELOCATED SHALL BE PRESERVED AS A PART OF THIS CONTRACT. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY DEMOLITION. CONTRACTOR TO SEE LANDSCAPE PLAN FOR TREE PROTECTION REQUIREMENTS. ALL TREES TO REMAIN UNLESS OTHERWISE NOTED. CONTRACTOR TO NOTE EXISTING TREES TO REMAIN. SHOULD ANY TREE TO BE REMAIN BE DAMAGED BY THE CONTRACTOR, IT WILL REQUIRE REPLACEMENT IN KIND.
2. THE CONTRACTOR SHALL REFER TO THE DEMOLITION PLAN AND LANDSCAPE PLAN FOR DEMOLITION/PRESERVATION OF EXISTING TREES. ALL TREES NOT SPECIFICALLY SHOWN TO BE REMOVED OR RELOCATED SHALL BE PRESERVED AS A PART OF THIS CONTRACT. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY DEMOLITION. CONTRACTOR TO SEE LANDSCAPE PLAN FOR TREE PROTECTION REQUIREMENTS. ALL TREES TO REMAIN UNLESS OTHERWISE NOTED. CONTRACTOR TO NOTE EXISTING TREES TO REMAIN. SHOULD ANY TREE TO BE REMAIN BE DAMAGED BY THE CONTRACTOR, IT WILL REQUIRE REPLACEMENT IN KIND.
3. THE CONTRACTOR SHALL REFER TO THE DEMOLITION PLAN AND LANDSCAPE PLAN FOR DEMOLITION/PRESERVATION OF EXISTING TREES. ALL TREES NOT SPECIFICALLY SHOWN TO BE REMOVED OR RELOCATED SHALL BE PRESERVED AS A PART OF THIS CONTRACT. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY DEMOLITION. CONTRACTOR TO SEE LANDSCAPE PLAN FOR TREE PROTECTION REQUIREMENTS. ALL TREES TO REMAIN UNLESS OTHERWISE NOTED. CONTRACTOR TO NOTE EXISTING TREES TO REMAIN. SHOULD ANY TREE TO BE REMAIN BE DAMAGED BY THE CONTRACTOR, IT WILL REQUIRE REPLACEMENT IN KIND.

DEMOLITION NOTES

1. ALL MATERIAL REMOVED FROM THIS SITE BY THE CONTRACTOR SHALL BE DISPOSED OF BY THE CONTRACTOR IN A LEGAL MANNER.
2. REFER TO THE TOPOGRAPHIC SURVEY FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, ETC., LOCATED WITHIN THE PROJECT SITE. UNLESS OTHERWISE NOTED, ALL EXISTING BUILDINGS, STRUCTURES, SLABS, CONCRETE, ASPHALT, DEBRIS PILES, SIGNS, AND ALL APPURTENANCES ARE TO BE REMOVED FROM THE SITE BY THE CONTRACTOR AND PROPERLY DISPOSED OF IN A LEGAL MANNER AS PART OF THIS CONTRACT. SOME ITEMS TO BE REMOVED MAY NOT BE DEPICTED ON THE TOPOGRAPHIC SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE FULL EXTENT OF ITEMS TO BE REMOVED. IF ANY ITEMS ARE IN QUESTION, THE CONTRACTOR SHALL CONTACT THE OWNER PRIOR TO REMOVAL OF SAID ITEMS.
3. THE CONTRACTOR SHALL REFER TO THE DEMOLITION PLAN AND LANDSCAPE PLAN FOR DEMOLITION/PRESERVATION OF EXISTING TREES. ALL TREES NOT SPECIFICALLY SHOWN TO BE REMOVED OR RELOCATED SHALL BE PRESERVED AS A PART OF THIS CONTRACT. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY DEMOLITION. CONTRACTOR TO SEE LANDSCAPE PLAN FOR TREE PROTECTION REQUIREMENTS. ALL TREES TO REMAIN UNLESS OTHERWISE NOTED. CONTRACTOR TO NOTE EXISTING TREES TO REMAIN. SHOULD ANY TREE TO BE REMAIN BE DAMAGED BY THE CONTRACTOR, IT WILL REQUIRE REPLACEMENT IN KIND.

MINIMUM REQUIRED AS-BUILT INFORMATION

1. ALL AS-BUILT INFORMATION SUBMITTED TO THE ENGINEER SHALL BE SUFFICIENTLY ACCURATE, CLEAR, AND LEGIBLE TO SATISFY THE ENGINEER THAT THE INFORMATION PROVIDES A TRUE REPRESENTATION OF THE IMPROVEMENTS CONSTRUCTED.
2. STORM DRAINAGE:
 - A. TOP ELEVATION OF EACH MANHOLE FRAME AND COVER / GRATE AS WELL ALL OTHER STRUCTURES (HEADWALLS, CONTROL STRUCTURES, ETC.).
 - B. INVERT ELEVATION OF EACH LINE ENTERING AND LEAVING EACH STRUCTURE, INCLUDING UNDERDRAIN PIPES.
 - C. INVERTS OF ALL MITERED END SECTIONS
 - D. ACTUAL GRADE OF PIPE BETWEEN THE STRUCTURES
 - E. INVERT ELEVATION AND TWO HORIZONTAL TIES FROM PERMANENT VISIBLE OBJECTS TO ALL STORM STUB-OUTS.
 - F. CONTRACTOR SHALL PROVIDE ACCURATE AS-BUILT DIMENSIONS AND ELEVATIONS OF THE STORM WATER MANAGEMENT AREAS IMMEDIATELY AFTER FINAL GRADING AND PRIOR TO SEEDING OR SODDING OF THE SLOPES. AT A MINIMUM, THE CONTRACTOR SHALL PROVIDE CROSS SECTIONS ON ALL SIDES OF THE WATER MANAGEMENT AREAS AT 100-FOOT INTERVALS. THE CROSS SECTIONS SHALL BE PROVIDED FROM TOP OF BANK TO THE SLOPE BREAK BELOW CONTROL ELEVATION THE ENGINEER'S APPROVAL IS REQUIRED PRIOR TO GRASSING OF THE BANK. IF ANY MODIFICATIONS ARE SPECIFIED, ADDITIONAL AS-BUILTS MAY BE REQUIRED.
3. LOCATIONS AND DEPTHS OF UNDERGROUND UTILITIES.
4. REVISIONS TO ROUTING OF PIPING AND CONDUITS.
5. REVISIONS TO ELECTRICAL CIRCUITRY.
6. ACTUAL EQUIPMENT LOCATIONS.
7. CHANGES MADE BY CHANGE ORDER OR CONSTRUCTION CHANGE DIRECTIVE.
8. CHANGES MADE FOLLOWING ENGINEER'S WRITTEN ORDERS.
9. DETAILS NOT ON THE ORIGINAL CONTRACT DRAWINGS.
10. FIELD RECORDS FOR VARIABLE AND CONCEALED CONDITIONS.
11. ALL SLEEVES, FITTINGS, TEES, BENDS, VALVES, ETC. SHALL BE LOCATED BY NORTHING AND EASTING (OR METHOD APPROVED BY ENGINEER) AND ELEVATION OF TOP OF PIPE FOR ALL CONSTRUCTED SLEEVES. AS-BUILTS FOR ALL SLEEVING DERIVING TOP OF PIPE AT 100-FOOT INTERVALS MUST BE PROVIDED.
12. RECORD DRAWINGS SHALL INDICATE AS-BUILT DATA FOR EVERY ELEVATION SHOWN ON THE PLANS.
13. IF A NEW BENCHMARK LOCATION IS ESTABLISHED, CONTRACTOR SHALL PROVIDE A BENCH LOG CLOSURE TO THE CLOSEST EXISTING BENCHMARKS IN BOTH DIRECTIONS. ALL BENCHMARK DATA SHALL BE SUBMITTED BY A REGISTERED LAND SURVEYOR.
14. IDENTIFICATION OF ADDENDUM ITEMS ISSUED DURING BIDDING PERIOD.
15. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL AS-BUILT DATA FOR UTILITIES AND SLEEVING IS COLLECTED PRIOR TO PAVEMENT SECTION CONSTRUCTION. PRELIMINARY UTILITY AS-BUILTS MUST BE PROVIDED TO THE ENGINEER FOR REVIEW PRIOR TO PAVEMENT SECTION CONSTRUCTION.
16. PRESSURE SYSTEMS (WATER):
 - A. ACTUAL LENGTHS BETWEEN BRANCHES AND VALVES ALONG THE MAIN RUN.
 - B. TOP OF PIPE AND FINISHED GRADE ELEVATIONS AT 100' INTERVALS.
 - C. LOCATE WITH MEASUREMENTS FROM PERMANENT VISIBLE OBJECTS ALL FITTINGS/ACCESSORIES NOT VISIBLE FROM THE SURFACE (MINIMUM TWO POINT TIES).
 - D. AS-BUILT INFORMATION SUBMITTED TO THE ENGINEER SHALL BE SUFFICIENTLY ACCURATE, CLEAR AND LEGIBLE TO SATISFY THE ENGINEER THAT THE INFORMATION PROVIDES A TRUE REPRESENTATION OF THE IMPROVEMENTS CONSTRUCTED.
 - E. ALL AS-BUILT INFORMATION SUBMITTED TO THE ENGINEER SHALL BE SUFFICIENTLY ACCURATE, CLEAR AND LEGIBLE TO SATISFY THE ENGINEER THAT THE INFORMATION PROVIDES A TRUE REPRESENTATION OF THE IMPROVEMENTS CONSTRUCTED.
 - F. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER OF RECORD COMPLETE SETS OF AS-BUILT CONSTRUCTION DRAWINGS AS REQUIRED FOR SUBMITTAL AND APPROVAL. THESE DRAWINGS SHALL BE MARKED TO SHOW AS-BUILT CONSTRUCTION CHANGES AND DIMENSIONED LOCATIONS AND ELEVATIONS OF ALL IMPROVEMENTS AND SHALL BE SIGNED AND SEALED BY A FLORIDA REGISTERED LAND SURVEYOR.
 - G. ALL OTHER REQUIRED PRESSURE PIPE INFORMATION IN ACCORDANCE WITH THE AS-BUILT REQUIREMENTS OF PALM BEACH COUNTY.
17. UTILITY CROSSING SEPARATION INFORMATION FOR THAT PROVIDED ON THE PLANS VERIFYING:
 - A. SIZE AND MATERIAL OF CROSSING PIPES
 - B. TOP ELEVATION OF BOTTOM PIPE
 - C. BOTTOM ELEVATION OF TOP PIPE
 - D. FINISH SURFACE ELEVATION OVER UTILITY CROSSING

PRECONSTRUCTION RESPONSIBILITIES

1. UPON RECEIPT OF NOTICE OF AWARD, THE CONTRACTOR SHALL ARRANGE A PRECONSTRUCTION CONFERENCE TO INCLUDE ALL INVOLVED GOVERNMENTAL AGENCIES, ALL AFFECTED UTILITY OWNERS, THE OWNER, THE ENGINEER AND ITSELF.
2. THE CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE CALL OF FLORIDA, INC. (811) AT LEAST 2 WORKING DAYS PRIOR TO BEGINNING ANY EXCAVATION.
3. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE SIZE, LOCATION, ELEVATION, AND MATERIAL OF ALL EXISTING UTILITIES WITHIN THE AREA OF CONSTRUCTION.
4. EXISTING UTILITY LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATE. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF EXISTING UTILITIES SHOWN OR FOR ANY EXISTING UTILITIES NOT SHOWN.
5. IF UPON EXCAVATION, AN EXISTING UTILITY IS FOUND TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION OR TO BE OF A SIZE, OR MATERIAL DIFFERENT FROM THAT SHOWN ON THE PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.

CONSTRUCTION SAFETY

ALL CONSTRUCTION SHALL BE DONE IN A SAFE MANNER, SPECIFICALLY, THE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SHALL BE STRICTLY OBSERVED.

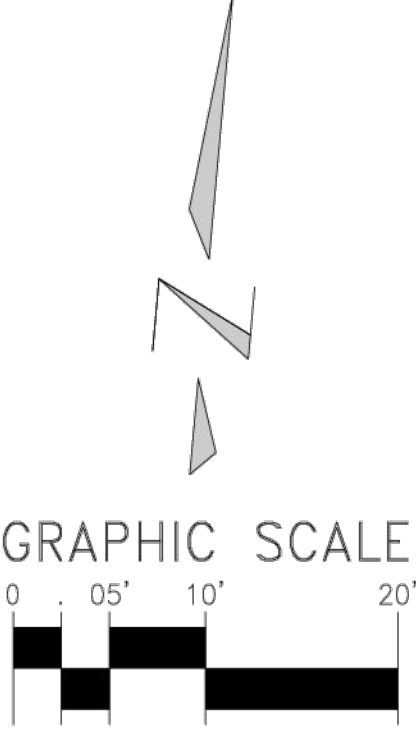
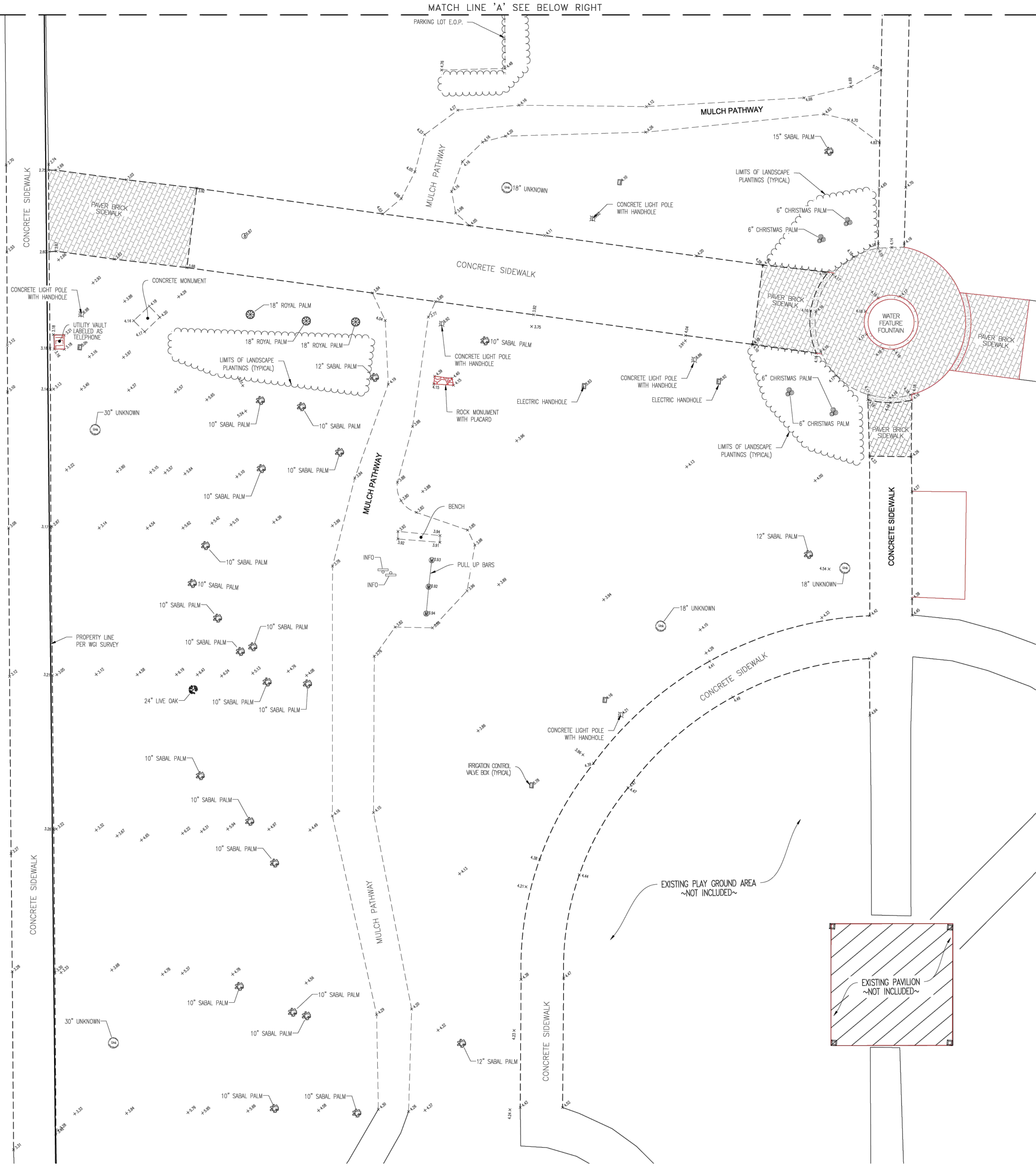
SURVEY DATA

1. THE CONTRACTOR SHALL PROTECT ALL PERMANENT REFERENCE MONUMENTS AND TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO SURVEY MARKERS DURING CONSTRUCTION. ANY SURVEY MARKERS DAMAGED DURING CONSTRUCTION WILL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
2. BENCHMARK LOCATION AND ELEVATION ARE AS REPRESENTED BY SURVEYOR AT THE TIME OF SURVEY. CONTRACTOR SHALL VERIFY ITS CORRECTNESS AT TIME OF CONSTRUCTION.
3. ALL ELEVATIONS ON THE PLANS OR REFERENCED IN THE SPECIFICATIONS ARE BASED ON [NAVD] NORTH AMERICAN VERTICAL DATUM OF 1988.

PAVING, GRADING AND DRAINAGE NOTES

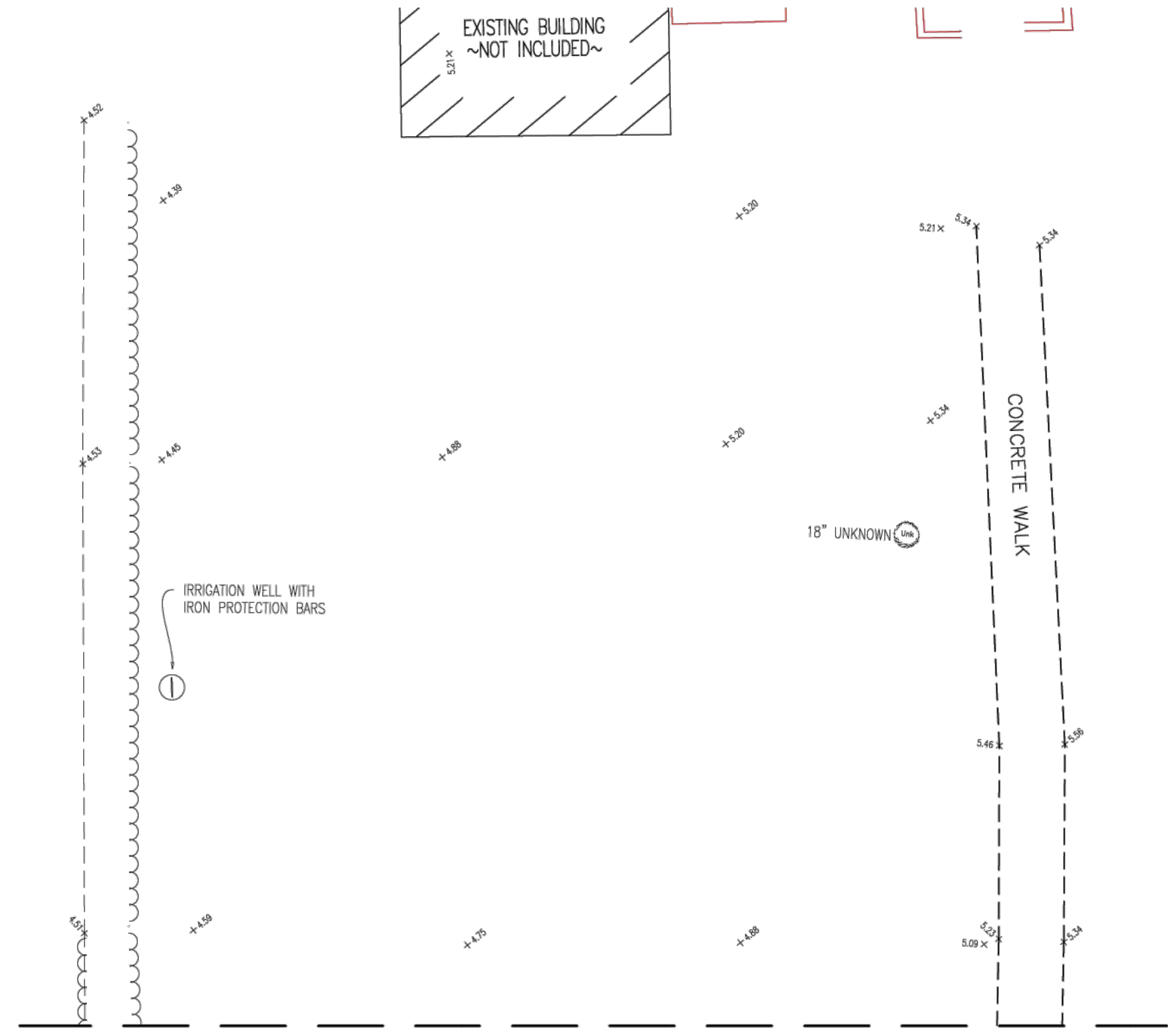
1. ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN PUBLIC RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH LOCAL COUNTY OR STATE SPECIFICATIONS AND STANDARDS (LATEST EDITION) OR FDOT SPECIFICATIONS AND STANDARDS (LATEST EDITION) IF NOT COVERED BY LOCAL OR COUNTY REGULATIONS, WHICHEVER IS MOST RESTRICTIVE.
2. ALL UNPAVED AREAS DISTURBED BY CONSTRUCTION SHALL BE REGRADED AND SODDED, UNLESS OTHERWISE NOTED.
3. TRAFFIC CONTROL ON ALL FDOT, LOCAL AND COUNTY RIGHTS-OF-WAY SHALL MEET THE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (U.S. DOT/FHA) AND THE REQUIREMENTS OF THE STATE AND ANY LOCAL AGENCY HAVING JURISDICTION. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
4. THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL UNTIL A GRASS STAND IS WELL ESTABLISHED OR ADEQUATE STABILIZATION OCCURS.
5. ALL OPEN AREAS WITHIN THE PROJECT SITE SHALL BE SODDED WITH BAHIA SOD UNLESS INDICATED OTHERWISE ON THE ENGINEERING OR LANDSCAPE PLANS.
6. ALL AREAS INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTIONS AS INDICATED ON THE DRAWINGS.
7. WHERE EXISTING PAVEMENT IS INDICATED TO BE REMOVED AND REPLACED, THE CONTRACTOR SHALL SAW CUT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND REPLACE THE PAVEMENT WITH THE SAME TYPE AND DEPTH OF MATERIAL AS EXISTING OR AS INDICATED.
8. WHERE NEW PAVEMENT MEETS THE EXISTING PAVEMENT, THE CONTRACTOR SHALL SAW CUT THE EXISTING PAVEMENT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND MATCH THE EXISTING PAVEMENT ELEVATION WITH THE PROPOSED PAVEMENT UNLESS OTHERWISE INDICATED.
9. THE CONTRACTOR SHALL INSTALL FILTER FABRIC OVER ALL DRAINAGE STRUCTURES FOR THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER. ALL DRAINAGE STRUCTURES AND PIPES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE CLEANED OF DEBRIS AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.
10. IF DEWATERING IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ANY APPLICABLE PERMITS. THE CONTRACTOR IS TO COORDINATE WITH THE OWNER AND THE ENGINEER PRIOR TO ANY EXCAVATION.
11. CONTRACTOR TO STRIP TOPSOIL AND ORGANIC MATTER FROM ALL AREAS OF THE SITE AS REQUIRED. IN SOME CASES TOPSOIL MAY BE STOCKPOILED ON SITE FOR PLACEMENT WITHIN LANDSCAPED AREAS BUT ONLY AS DIRECTED BY THE OWNER.
12. FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH THE LOCAL JURISDICTIONAL AGENCY OR TO FDOT STANDARDS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
13. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED AS PER PLANS. THE AREAS SHALL THEN BE SODDED AS SPECIFIED IN THE PLANS, FERTILIZED, MULCHED, WATERED, AND MAINTAINED UNTIL A GOOD STAND OF GRASS GROWTH IS ESTABLISHED IN ALL AREAS. IF ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE JOB SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
14. ALL CUT OR FILL SLOPES SHALL BE 4 (HORIZONTAL) : 1 (VERTICAL) OR FLATTER UNLESS OTHERWISE SHOWN.
15. THE CONTRACTOR SHALL ENSURE THAT ISLAND PLANTING AREAS AND OTHER PLANTING AREAS ARE NOT COMPACTED AND DO NOT CONTAIN ROAD BASE MATERIALS. THE CONTRACTOR SHALL ALSO EXCAVATE AND REMOVE ALL UNDESIRABLE MATERIAL FROM ALL AREAS ON THE SITE TO BE PLANTED AND PROPERLY DISPOSED OF IN A LEGAL MANNER.

KIMLEY-HORN & ASSOCIATES, INC. 477 S. ROSEMARY AVE. STE. 215, WEST PALM BEACH, FL 33401 PHONE: 561-840-0848 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106		JONATHAN D. HAIGH, P.L.A. FL LICENSE NUMBER LA #6666795		SCALE: AS SHOWN DESIGNED BY: JDH DRAWN BY: KTC CHECKED BY: JDH DATE: ---		KIMLEY-HORN & ASSOCIATES, INC. 477 S. ROSEMARY AVE. STE. 215, WEST PALM BEACH, FL 33401 PHONE: 561-840-0848 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106		KIMLEY-HORN & ASSOCIATES, INC. 477 S. ROSEMARY AVE. STE. 215, WEST PALM BEACH, FL 33401 PHONE: 561-840-0848 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106		KIMLEY-HORN & ASSOCIATES, INC. 477 S. ROSEMARY AVE. STE. 215, WEST PALM BEACH, FL 33401 PHONE: 561-840-0848 FAX: 561-863-8175	
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LEGEND OF ABBREVIATIONS	
C.B.S. = CONCRETE BLOCK STRUCTURE	O.R.B. = OFFICIAL RECORD BOOK
C/L = CENTERLINE	P.B. = PLAT BOOK
CONC. = CONCRETE	P.B.C.R. = PALM BEACH COUNTY RECORDS
C.M.U. = CONCRETE MASONRY UNIT	PG(S). = PAGE(S)
D.E. = DRAINAGE EASEMENT	P.O.B. = POINT OF BEGINNING
ELEV. = ELEVATION	P.O.C. = POINT OF COMMENCEMENT
F/K/A = FORMERLY KNOWN AS	R/W = RIGHT-OF-WAY
MON. = MONUMENT	U.B. = UTILITY EASEMENT

VERTICAL DATUM	
ALL ELEVATIONS SHOWN ARE IN NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)	
CONVERSION FACTOR: NAVD88 + 1.506 = NGVD29	



SURVEYOR'S NOTES:

- THIS IS A TOPOGRAPHIC SURVEY AS DEFINED IN CHAPTER 5J-17.050 FLORIDA ADMINISTRATIVE CODE. THIS SURVEY IS BASED ON THE BOUNDARY LINES AS CONTAINED IN A DIGITAL CAD FILE OF A BOUNDARY AND TOPOGRAPHIC SURVEY PREPARED BY WGI, INC., AS PROVIDED BY THE CLIENT AND AS SUPPLEMENTED BY A DIGITALLY SIGNED AND SEALED PDF OF THE SAID CAD FILE. THE SAID DIGITALLY SIGNED AND SEALED PDF AS ALSO PROVIDED BY THE CLIENT, DATED JUNE 24, 2022 AND HAVING A PROJECT #: 8079.00. THIS IS NOT A BOUNDARY SURVEY.
- ELEVATIONS SHOWN HEREON ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AND ARE REFERENCED TO PALM BEACH COUNTY BENCHMARK 'ASIAGO' WITH AN ELEVATION OF 6.456 (NAVD88) AS PUBLISHED BY PALM BEACH COUNTY ENGINEERING. THE DATUM CONVERSION FACTOR SHOWN HEREON IS AS DETERMINED BY THE DIFFERENCE BETWEEN THE PUBLISHED NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) ELEVATION AND THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) FOR THE NEXT NEAREST PALM BEACH COUNTY BENCHMARK. THE BENCHMARK USED TO DETERMINE THE CONVERSION FACTOR HEREON IS PALM BEACH COUNTY BENCHMARK B 233.
- THE THE SUBJECT PROPERTY LIES WITHIN FLOOD ZONE X (OTHER) AND ZONE AE (ELEV 6) AS SHOWN ON FLOOD INSURANCE RATE MAP, COMMUNITY-PANEL NUMBER 1209900391 G, WITH A MAP REVISED DATE OF DECEMBER 20, 2024, A COMMUNITY PANEL: LAKE PARK, TOWN OF, COMMUNITY NUMBER: 120212, PANEL: 0391 AND SUFFIX: G. NOTICE: PURSUANT TO THE ABOVE REFERENCED FEMA FIRM MAP ZONE X (OTHER) IS DEFINED AS FOLLOWS: AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD. NOTE: THE FLOOD ZONE DESIGNATION LINE AS SHOWN HEREON AS ABSTRACTED FROM THE ABOVE REFERENCED FEMA MAP AS GEO-REFERENCED IN THE ASSOCIATED WORLD FILE AS PROVIDED BY FEMA.
- FOUNDATIONS, FOOTERS AND OTHER UNDERGROUND FACILITIES THAT MAY EXIST HAVE NOT BEEN LOCATED UNLESS OTHERWISE SHOWN.
- THE UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON ABOVE GROUND SANITARY CLEAN-OUTS AND SANITARY MANHOLES AS LOCATED AS PART OF THIS SURVEY. THIS SURVEY DOES NOT INCLUDE MEASUREMENTS OR LOCATIONS FOR SUB-SURFACE UTILITY ENGINEERING (SUE) AND THE INFORMATION AS SHOWN IS FOR GENERAL INFORMATION PURPOSES.
- THE SEACOAST UTILITY EASEMENT SHOWN HEREON IS BASED THE ABOVE REFERENCED WGI CAD FILE. NO SEARCH OF THE PUBLIC RECORDS HAS BEEN PERFORMED BY KESHAVARZ & ASSOCIATES, INC.
- THE VERTICAL SPOT ELEVATIONS SHOWN HEREON ON HARD SURFACES ARE WITHIN AN EXPECTED ACCURACY OF 0.02' AND GROUND ELEVATIONS SHOWN HEREON ARE WITHIN AN EXPECTED ACCURACY OF 0.10'.
- THE CONTRACTED USE OF THIS SURVEY IS FOR THE ARCHITECTURAL AND CIVIL DESIGN ASSOCIATED WITH DESIGNING HANDICAP ACCESS AND RENOVATIONS TO THE HISTORIC RESIDENCE LOCATED ON THE SUBJECT PROPERTY AND IS NOT VALID FOR ANY OTHER USE.
- THIS SURVEY IS PREPARED ONLY FOR THE PARTIES LISTED BELOW.
PREPARED FOR:
TOWN OF LAKE PARK
- COPYRIGHT 2026 BY KESHAVARZ & ASSOCIATES, INC. THE SKETCH OF SURVEY AND SURVEY REPORT COMPRISE THE COMPLETE SURVEY. UNLESS THIS DOCUMENT BEARS THE SIGNATURE AND THE ORIGINAL RAISED SEAL OR ITS AUTHENTICATED DIGITAL EQUIVALENT OF A LICENSED SURVEYOR AND MAPPER, EMPLOYED BY KESHAVARZ & ASSOCIATES, INC. THIS DRAWING, SKETCH, PLAT OR MAP IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT VALID.

TO: TOWN OF LAKE PARK

DATE OF SURVEY: APRIL 01, 2026

Scott F. Bryson
SCOTT F. BRYSON
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE No. 5991
Digitally signed by Scott F
Bryson
Date: 2026.04.20 12:46:34
-04'00'

TOPOGRAPHIC SURVEY OF:
PROPOSED SPLASH PAD PLAY AREA
AT KELSEY CITY PARK
PREPARED FOR: TOWN OF LAKE PARK

BOUNDARY SURVEY	
DATE: 04/20/2026	CHECKED: S/EFB
SCALE: 1" = 10'	APPROVED: S/EFB
DRAWN: EE/S/EFB	DWG No: 026-1562A

SHEET No.
1 OF 1

KESHAVARZ & ASSOCIATES
Civil Engineers • Land Surveyors
711 North Dixie Highway, Suite 201
West Palm Beach, Florida 33401
Tel: (407) 689-8600 Fax: (407) 689-7436

BOOK	PAGE(S)	By	Date	REVISION	No.
15-9	17-18, 21				
15-9	26				

Plotted By: Thomas-Copar, Kennedy, Street Set: Kelsey Park Splash Pad, Layout: C100 SITE PLAN, May 14, 2026, 07:18:22am
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SITE DATA TABLE
ADDRESS:
ZONING:
FUTURE LAND USE:
PARCEL NUMBER:
LIMITS OF WORK AREA:

701 LAKE SHORE DR LAKE PARK, FL
P-P PUBLIC DISTRICT
RECREATIONAL
36-43-42-21-00-003-0020
22,055 SQ. FT.

LEGEND

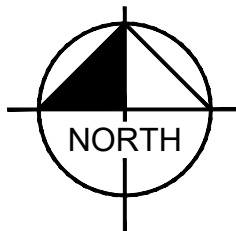
-  PROPERTY LINE
 CENTERLINE OF R/W
 STORM EXISTING STORM PIPE
 EXISTING STORM INLET

 EXISTING ELEVATION
 EXISTING IRRIGATION BOX
 EXISTING LIGHT POLE
 EXISTING UTILITY VAULT

 CONCRETE SIDEWALK
 PAVER BRICK SIDEWALK

 FENCE

 LIMITS OF WORK



GRAPHIC SCALE IN FEET

0 5 10 20

KELSEY PARK
SPLASH PAD
PREPARED FOR
TOWN OF LAKE PARK
PARK

FL

SITE PLAN

LICENSED PROFESSIONAL

NATHAN D. HAIGH, PLA

FL LICENSE NUMBER

LA #6666795

KHA PROJECT
044100010

DATE

SCALE AS SHOWN

RAWN BY KTC

CHECKED BY JDF

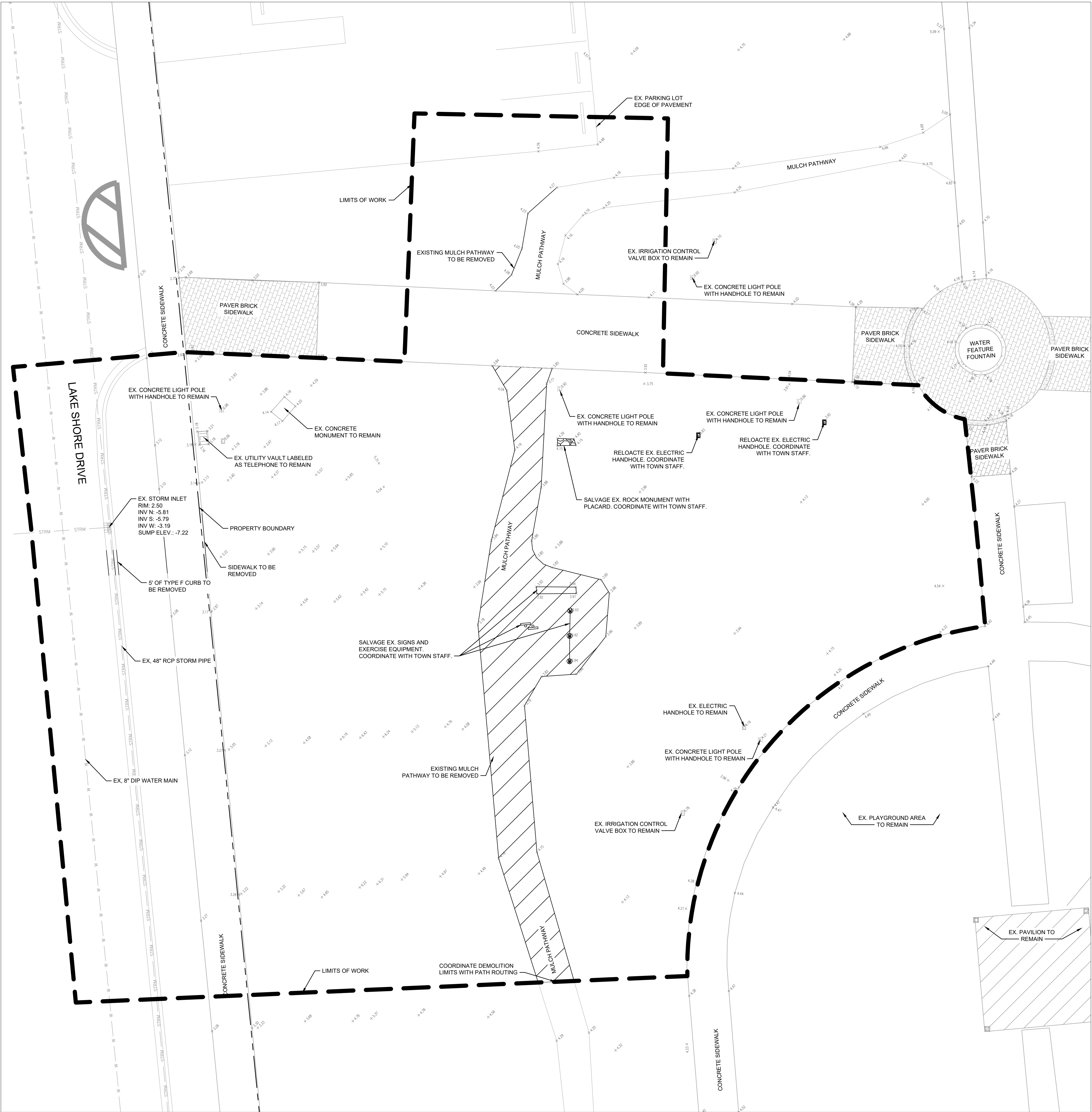
Kimley»»Horn

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477 S ROSEMARY AVE STE 215, WEST PALM BEACH, FL 33401
PHONE: 561-840-0848 FAX: 561-863-8175
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

No.	REVISIONS	DATE	BY
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Plotted By: Thomas-Coparr, Kennedy, Sheet Set: Kelsey Park Splash Pad, Layout: C2.00 DEMOLITION PLAN, May 14, 2026, 07:18:30pm, K:\WPD-LALP\044168012 - Kelsey Park Splash Pad\CAD\Plan\Sheets\C2.00 DEMOLITION PLAN.dwg

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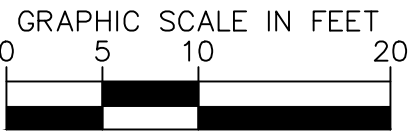
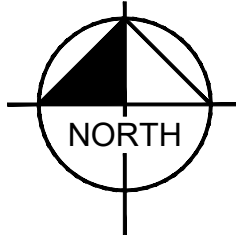


DEMOLITION NOTES

1. ANY ITEMS TO REMAIN THAT ARE DAMAGED BY THE CONTRACTOR SHALL BE REPLACED TO THE EXISTING CONDITION OR BETTER AT THE CONTRACTOR'S EXPENSE.
2. REFER TO LANDSCAPE PLANS FOR TREE REMOVAL, RELOCATION, AND PROTECTION INFORMATION. ANY AREAS FOR LANDSCAPING SHALL HAVE ALL BASE AND SUBGRADE MATERIAL REMOVED TO A DEPTH OF 3 FEET.
3. THE INTENT OF THE DEMOLITION PLAN IS TO DEPICT EXISTING FEATURES THAT ENCUMBER THE PROPOSED CONSTRUCTION AREA AND ARE SCHEDULED FOR REMOVAL. SOME INCIDENTAL ITEMS MAY HAVE BEEN INADVERTENTLY OMITTED FROM THE PLAN. THE CONTRACTOR IS ENCOURAGED TO THOROUGHLY INSPECT THE SITE AS WELL AS REVIEW THE PLANS AND SPECIFICATIONS PRIOR TO SUBMITTING PRICING. CONTRACTOR WILL NOT RECEIVE ADDITIONAL COMPENSATION FOR INCIDENTAL ITEMS NOT SHOWN ON THIS DEMOLITION PLAN.
4. THIS DEMOLITION PLAN IS BASED ON AVAILABLE UTILITY INFORMATION AND MAY OR MAY NOT BE ALL INCLUSIVE FOR THIS SITE. ANY UTILITIES ENCOUNTERED DURING DEMOLITION THAT ARE NOT DEPICTED/ADDRESSED ON THIS DRAWING SHOULD BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER IMMEDIATELY.
5. CONTRACTOR IS REQUIRED TO OBTAIN ALL DEMOLITION AND DEWATERING PERMITS, IF APPLICABLE.
6. ALL FEATURES IDENTIFIED ON THIS PLAN WHICH ARE LISTED TO BE DEMOLISHED ARE TO BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.
7. CONTRACTOR SHALL LIMIT ALL DEMOLITION ACTIVITIES TO THOSE AREAS DELINEATED ON THE CONSTRUCTION DRAWINGS UNLESS OTHERWISE DIRECTED BY THE DEVELOPER OR AS REQUIRED FOR CONSTRUCTION OF IMPROVEMENTS.
8. CONTRACTOR IS RESPONSIBLE FOR CONTROLLING AIRBORNE DUST AND POLLUTANTS BY USING WATER SPRINKLING OR OTHER SUITABLE MEANS OF CONTROL.
9. CONTRACTOR TO USE CARE IN HANDLING DEBRIS FROM SITE TO ENSURE THE SAFETY OF THE PUBLIC. HAUL ROUTE TO BE CLOSELY MONITORED FOR DEBRIS OR MATERIALS TRACKED ONTO ADJOINING ROADWAYS, SIDEWALKS, ETC. ROADWAYS AND WALKWAYS TO BE CLEARED DAILY OR AS NECESSARY TO MAINTAIN PUBLIC SAFETY.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. WHERE REMAINING, INLETS, MANHOLE COVERS, AND VALVE COVERS TO BE PROTECTED IN PAVEMENT REMOVAL AREAS. CONTRACTOR SHALL REPLACE DAMAGED STRUCTURES AT THEIR EXPENSE.
12. CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, ETC. AS APPROVED BY THE CITY OF LAKE PARK AND CONSTRUCTION MANAGER.
13. CONTINUOUS ACCESS SHALL BE MAINTAINED FOR SURROUNDING PROPERTIES AT ALL TIMES DURING DEMOLITION OF EXISTING FACILITIES AND CONSTRUCTION OF NEW FACILITIES. SIGNAGE SHALL BE POSTED TO DIRECT THE PUBLIC TO THE PATH OF TRAVEL.
14. REFER TO THE TOPOGRAPHIC SURVEY FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, ETC., LOCATED WITHIN THE PROJECT SITE. UNLESS OTHERWISE NOTED, ALL EXISTING BUILDINGS, STRUCTURES, SLABS, CONCRETE, ASPHALT, DEBRIS PILES, SIGNS, AND ALL APPURTENANCES ARE TO BE REMOVED FROM THE SITE BY THE CONTRACTOR AND PROPERLY DISPOSED OF IN A LEGAL MANNER AS PART OF THIS CONTRACT. SOME ITEMS TO BE REMOVED MAY NOT BE DEPICTED ON THE TOPOGRAPHIC SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE FULL EXTENT OF ITEMS TO BE REMOVED. IF ANY ITEMS ARE IN QUESTION, THE CONTRACTOR SHALL CONTACT THE OWNER PRIOR TO REMOVAL OF SAID ITEMS.
15. CONTRACTOR SHALL COORDINATE THE LIMITS OF UTILITY DEMOLITION WITH PROPOSED PLANS.
16. ALL SERVICES 2" OR LARGER ARE REQUIRED TO BE REMOVED BACK TO MAIN (TYP.)

LEGEND

- — — — — PROPERTY LINE
- — — — — CENTERLINE OF R/W
- — — — — EXISTING STORM PIPE
- — — — — EXISTING STORM AREA INLET
- — — — — EXISTING STORM CURB INLET
- — — — — EXISTING STORM MANHOLE
- — — — — EXISTING WATER PIPE
- — — — — EXISTING ELEVATION
- — — — — EXISTING IRRIGATION BOX
- — — — — EXISTING LIGHT POLE
- — — — — EXISTING UTILITY VAULT
- — — — — PAVEMENT SIDEWALK
- — — — — LIMITS OF WORK



KELSEY PARK SPLASH PAD PREPARED FOR TOWN OF LAKE PARK LAKE PARK	DEMOLITION PLAN	SHEET NUMBER C2.00	KHA PROJECT 044168012	LICENSED PROFESSIONAL	© 2010 KIMLEY-HORN AND ASSOCIATES, INC. 477 S ROSEMARY AVE STE 215, WEST PALM BEACH, FL 33401 PHONE: 561-840-0848 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106	Kimley»Horn	No.	REVISIONS	DATE	BY
			DATE MAY 2026	JONATHAN D. HAIGH, PLA						
			SCALE AS SHOWN	FL LICENSE NUMBER						
			DESIGNED BY JDH	LA #6666795						
			DRAWN BY KTC							
			CHECKED BY JDH	DATE:						

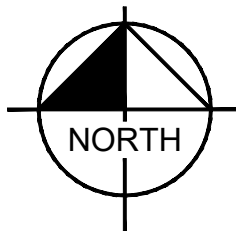
SHEET NUMBER
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1. ALL ELEVATIONS ON THE PLANS OR REFERENCED IN THE SPECIFICATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D. '88).
2. THE CROSS SLOPE ON ADA ACCESSIBLE ROUTES SHALL NOT EXCEED 2.0% THE LONGITUDINAL SLOPE ON ADA ACCESSIBLE ROUTES (NOT INCLUDING RAMPS) SHALL NOT EXCEED 5.0% THE LONGITUDINAL SLOPE FOR RAMPS SHALL NOT EXCEED 1:12H (8.33%). ADA ACCESSIBLE PARKING SPACES SHALL NOT EXCEED 2.0% IN ANY DIRECTION (INCLUDING DRAINAGE).
3. STORM DRAIN PIPE SHALL BE AS FOLLOWS: ANY STORM PIPE USED MUST BE APPROVED BY LOCAL AUTHORITIES. CONTRACTOR SHALL SELECT THE MOST ECONOMICAL PRODUCT. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION.
4. CONTRACTOR SHALL CLEAN ALL PROPOSED DRAINAGE STRUCTURES AND PIPES UPON COMPLETION OF CONSTRUCTION.
5. PROPOSED ELEVATIONS OF CURB REPRESENT FACE OF CURB OR EDGE OF PAVEMENT ELEVATIONS UNLESS OTHERWISE NOTED.
6. PROPOSED ELEVATIONS IN ALL PEROUS AREAS REPRESENT FINISHED TOP OF SOD/GRASS OR ANY OTHER LANDSCAPING MATERIAL.
7. ALL DRAINAGE STRUCTURES SHALL CONFORM TO THE LATEST FPD STANDARD PLANS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION.
8. CONTRACTOR SHALL FIELD VERIFY EXISTING PIPE INVERT, SIZE AND TYPICAL SLOPE. (FINDING RECORD)
9. RELOCATED MILLION PATHWAYS SHALL BE FIELD COORDINATED WITH THE TOWN AND FIRE DEPARTMENT. FIRE PATH LOCATION MAY BE ADJUSTED TO AVOID EXISTING SITE FEATURES AND MINIMIZE CONFLICTS. CONTRACTOR SHALL MAINTAIN OR EXCEED EXISTING SLOPES AND GRASSES. CONTRACTOR SHALL SUBMIT AN ALTERNATIVE DRAINAGE PLAN WITH ALL PATH COORDINATIONS.

1. CONTRACTOR SHALL SUPPORT AND PROTECT ALL EXISTING AND PROPOSED UTILITIES WHEN CONSTRUCTING NEW UTILITIES.
2. CONTRACTOR SHALL FURNISH AND INSTALL NECESSARY PIPE AND FITTINGS TO TRANSITION PIPE MATERIALS WHEN REQUIRED.
3. NO PROPOSED IMPROVEMENTS OR ANY KIND OF CONSTRUCTION CAN BE PLACED ON OR WITHIN ANY WATER, SEWER, OR DRAINAGE EASEMENTS, UNLESS APPROVED BY THE CITY OF LAKE PARK ENGINEER.
4. ALL WATER MAIN SHALL HAVE A MINIMUM 36" COVER OVER THE TOP OF THE PIPE UNLESS OTHERWISE NOTED. WATER MAINS SHALL HAVE MIN. 6" VERTICAL SEPARATION FROM EACH OTHER.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND SUPPORT EXISTING CITY'S UTILITIES AND MAINTAIN CONTINUOUS SERVICE DURING THE ENTIRE COURSE OF THE PROJECT. CONTRACTOR WILL HAVE MATERIALS AT HAND TO MAKE REPAIRS IN THE EVENT OF A SERVICE MAIN LEAKS/BREAKS. VALUE LEAKS, ETC. SUBMIT AN EMERGENCY RESPONSE PLAN FOR APPROVAL, IF REQUIRED BY THE CITY.

The diagram illustrates a cross-section of a stormwater management facility. At the top, a thick black line represents the 'LIMITS OF WORK'. Below this, a dashed line indicates the 'PROPERTY LINE' and a solid line shows the 'CENTERLINE OF R/W'. The facility includes a 'PROPOSED STORM PIPE' (STPM) and an 'EXISTING STORM PIPE', both shown as horizontal lines with a grid pattern. A 'STORM INLET' is depicted as a rectangular structure with a grid pattern. Below the pipes, there are 'PROPOSED WATER PIPE' and 'EXISTING WATER PIPE' shown as horizontal lines. A 'PROPOSED SPOT ELEVATION' is marked with a '3.00' value inside a rounded rectangle. A 'MATCH EXISTING ELEVATION' is marked with a '3.00 M.E.' value inside a rounded rectangle. The 'EXISTING ELEVATION' is shown as a horizontal line. Other features include an 'EXISTING IRRIGATION BOX' (a small rectangle), an 'EXISTING LIGHT POLE' (a vertical pole), and an 'EXISTING UTILITY VAULT' (a large rectangle). The 'LIMITS OF SPLASH PAD' are indicated by a horizontal line. The 'REPLACE EXISTING PAVEMENT PER SUA DETAILS' is shown as a hatched area. The 'CONCRETE SIDEWALK' is a solid horizontal line. The 'PAVER BRICK SIDEWALK' is a hatched area. A 'FENCE' is shown as a horizontal line with a cross-hatch pattern. The 'NATURAL SWALE' is a horizontal line at the bottom. The diagram also shows 'W' for water level and 'X' for a specific point or feature.



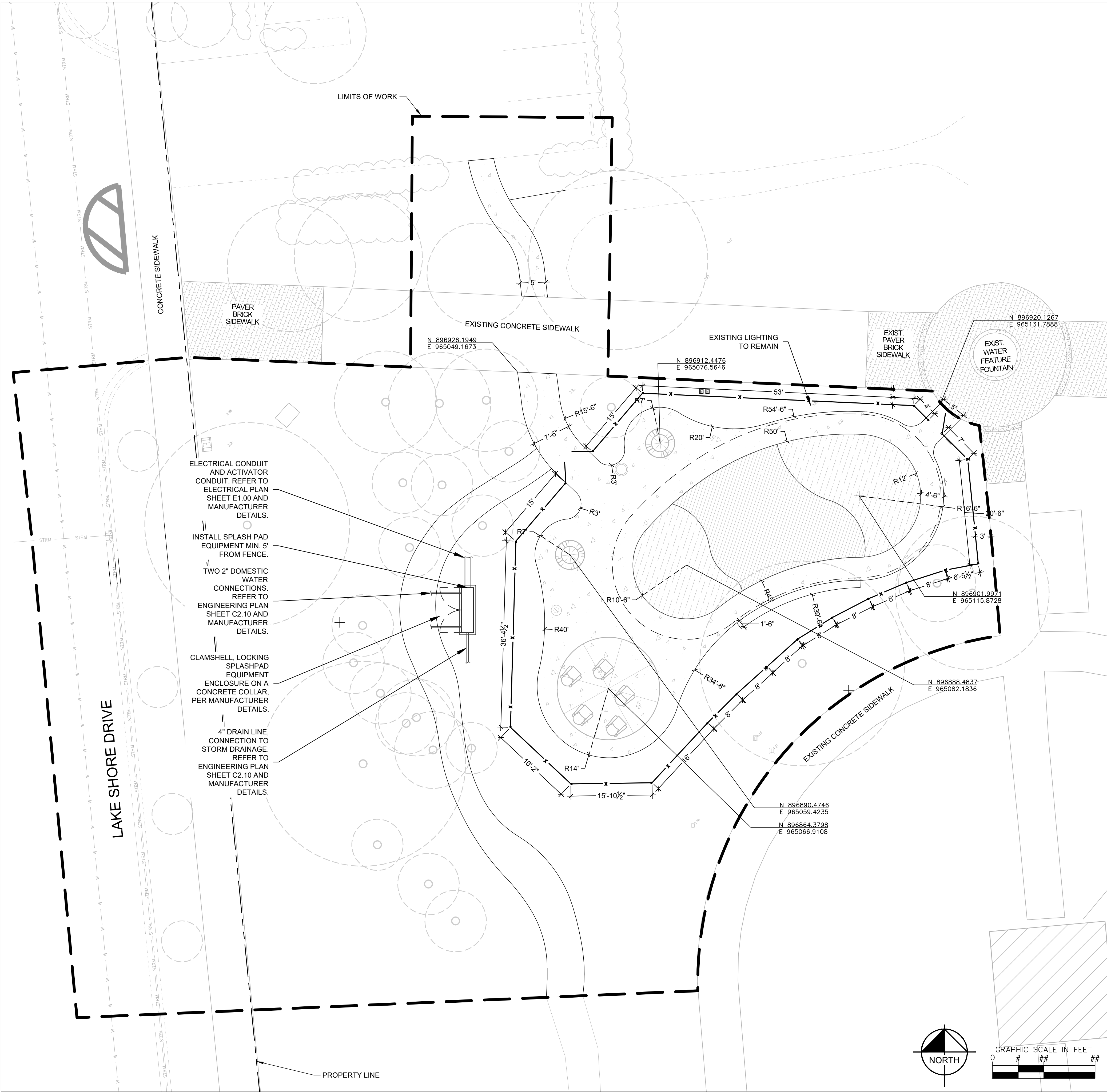
SHEET NUMBER C2.10		KELSEY PARK SPLASH PAD PREPARED FOR TOWN OF LAKE PARK LAKE PARK FL		ENGINEERING PLAN		KHA PROJECT 041168012 DATE MAY 2026 SCALE AS SHOWN DESIGNED BY JDH DRAWN BY KTC CHECKED BY JDH DATE:		LICENSED PROFESSIONAL JONATHAN D. HAIGH, PLA FL LICENSE NUMBER LA #6666795		Kimley»»Horn © 2010 KIMLEY-HORN AND ASSOCIATES, INC. 477 S ROSEMARY AVE STE 215, WEST PALM BEACH, FL 33401 PHONE: 561-840-0848 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106		No. _____ REVISIONS _____ DATE _____ BY _____	
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STANDARD WATER, RECLAIMED WATER AND SEWER SEPARATION STATEMENT 1. STORM SEWER, GRAVITY WASTEWATER, FORCE MAINS AND RECLAIMED WATER MAINS CROSSING UNDER POTABLE WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF TWELVE (12) INCHES BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE CROWN OF THE LOWER PIPE. WHERE THIS MINIMUM SEPARATION CANNOT BE MAINTAINED BETWEEN GRAVITY SEWER OR STORM SEWER, THE CROSSING SHALL BE ARRANGED SO THAT THE STORM/GRAVITY SEWER PIPE JOINTS AND POTABLE WATER MAIN JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING WITH NO LESS THAN SIX (6) FEET BETWEEN ANY TWO JOINTS. BOTH PIPES SHALL BE D.I.P., AND THE MINIMUM VERTICAL SEPARATION SHALL BE SIX (6) INCHES. WHERE THERE IS NO ALTERNATIVE TO STORM/WASTEWATER/FORCE MAIN/RECLAIMED WATER MAINS CROSSING OVER A POTABLE WATER MAIN, THE CRITERIA FOR MINIMUM TWELVE (12) INCH VERTICAL SEPARATION BETWEEN LINES AND JOINT ARRANGEMENT, AS STATED ABOVE, SHALL BE REQUIRED, AND BOTH PIPES SHALL BE D.I.P. IRRESPECTIVE OF SEPARATION, IN ALL OF THE ABOVE CASES D.I.P. IS NOT REQUIRED FOR STORM SEWER PIPE. 2. FORCE MAINS CROSSING RECLAIMED WATER MAINS OR STORM SEWER SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF TWELVE (12) INCHES BETWEEN THE OUTSIDE OF THE FORCE MAIN AND THE OUTSIDE OF THE RECLAIMED WATER MAIN OR STORM SEWER AND THE RECLAIMED WATER MAIN SHALL CROSS OVER THE FORCE MAIN. 3. AT THE UTILITY CROSSING DESCRIBED IN ITEMS 1 AND 2 ABOVE, ONE FULL LENGTH OF DUCTILE IRON WATER MAIN PIPE SHALL BE CENTERED SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE JOINTS. WHERE THIS IS NOT POSSIBLE, JOINTS SHALL BE AT LEAST THREE (3) FEET FROM STORM SEWERS AND SIX (6) FEET FROM GRAVITY SEWER MAINS, FORCE MAINS AND RECLAIMED WATER MAINS. 4. SEWER SERVICE LATERALS SHALL CROSS UNDER WATER MAINS WITH A MINIMUM VERTICAL SEPARATION OF TWELVE (12) INCHES. IF (12") VERTICAL SEPARATION CANNOT BE MAINTAINED, THEN THE WATER MAIN SHALL BE D.I.P. AND THE SEWER SERVICE LATERAL SHALL BE C-900 SDR 18 OR BETTER AND THE MINIMUM SEPARATION SHALL BE SIX (6) INCHES. WHEN IT IS NOT POSSIBLE FOR THE WATER MAIN TO CROSS OVER THE SEWER SERVICE LATERAL, A MINIMUM VERTICAL SEPARATION OF AT LEAST TWELVE (12) INCHES MUST BE MAINTAINED, THE WATER MAIN SHALL BE D.I.P. AND THE SEWER LATERAL SHALL BE C-900 SDR 18 OR BETTER. 5. MAINTAIN MINIMUM TEN (10) FEET HORIZONTAL DISTANCE BETWEEN POTABLE WATER MAIN OR FORCE MAIN, RECLAIMED WATER MAIN, STORM SEWER OR GRAVITY SEWER MAIN OR ON SITE SEWAGE DISPOSAL SYSTEMS. ADDITIONAL SEPARATION MAY BE REQUIRED AS OUTLINED IN SECTION II OF SUA STANDARDS.	(PLEASE REFER TO WRITTEN SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS) EXISTING GROUND NOTE: FOR PLACEMENT OF BACKFILL OVER PIPE SEE SPECIFICATION PROPOSED PIPELINE PIPE O.D. + 24" 12" 12" 2'-6" MIN. HAND PLACED SELECT MATERIAL IN 6" LIFTS LOWER QUADRANT TO BE SHAPED TO RECEIVE PIPE BELL AND BARREL LIMIT FOR EXCAVATION 4" 4" INVERT CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE REQUIREMENTS OF THE FLORIDA TRENCH SAFETY ACT. EXCAVATION SIDE SLOPE SHORING, ETC. SHALL CONFORM TO O.S.H.A. STANDARDS. COMPACT TRENCH BACKFILL TO 98% OF MAXIMUM DENSITY IN ACCORDANCE WITH AASHTO T-180. DENSITY TESTS SHALL BE TAKEN AT 12" LIFTS EVERY 100' IN PUBLIC RIGHT-OF-WAY AND 200' IN EASEMENTS CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE REQUIREMENTS OF THE FLORIDA TRENCH SAFETY ACT.	INSTALLATION PROTOCOL 1. ALL PIPE IS TO BE LAID IN A CLEAN DRY TRENCH. 2. ALL MUCK AND UNSUITABLE MATERIALS ENCOUNTERED IN TRENCH BOTTOM SHALL BE REMOVED AND REPLACED WITH COMPACTED GRANULAR MATERIAL TO 98% OF MAXIMUM DENSITY PER AASHTO T-180. PROCTOR AND DENSITY TEST RESULTS SHALL BE SUBMITTED TO EOR WITH A COPY TO AUTHORITY. 3. ALL BACKFILL SHALL BE PLACED IN 12 INCH LIFTS AND COMPACTED BY MECHANICAL MEANS TO 98% OF MAXIMUM DENSITY PER AASHTO T-180 OR AS OTHERWISE REQUIRED BY THE PERMITTING AGENCY. 4. UTILITIES CROSSING ROAD RIGHT-OF-WAY SHALL BE INSTALLED PRIOR TO ROAD CONSTRUCTION AND BACKFILLED AND COMPACTED WITHIN RIGHT-OF-WAY LIMITS IN STRICT ACCORDANCE WITH THE DIRECTIONS OF THE EOR AND REQUIREMENTS OF ALL AGENCIES OF JURISDICTION. 5. EMBEDED MATERIALS BELOW PIPE SHALL CONFORM TO UNIFIED SOIL CLASSIFICATION SYSTEM (U.S.C.S.) SOIL CLASSIFICATION CLASS I OR II AS NOTED IN ASTM D2321. 6. ALL LINES UNDER CONSTRUCTION SHALL BE PLUGGED WITH A WING PLUG, AND ALL PRESSURE PIPES ARE TO BE PLUGGED WITH A MECHANICAL PLUG OR CAP AT THE END OF THE WORKING DAY TO PREVENT GROUND WATER AND POTENTIAL CONTAMINANTS FROM ENTERING COMPLETED LINES AND LINES UNDER CONSTRUCTION. 7. ABOVE GROUND PIPING, INCLUDING BUT NOT LIMITED TO, AERIAL CROSSINGS, LIFT STATION PIPING, FIRE LINES, METER/BACKFLOW PREVENTION DEVICE ASSEMBLIES, ETC. SHALL BE FLANGED AND BE COATED IN ACCORDANCE WITH SECTION 2 OF SEACOAST UTILITY AUTHORITY CONSTRUCTION STANDARDS. 8. ALL FLANGED PIPE SHALL BE CAULKED BETWEEN EACH FLANGE AND THREADS WITH SIKA 1 A URETHANE CAULK AFTER BLASTING AND PRIOR TO PRIMING. 9. ALL TIE RODS, BOLTS, NUTS, ETC. INSTALLED UNDERGROUND MUST BE COR TEN OR APPROVED EQUAL AND SHALL BE PAINTED WITH KOPPERS 300-M OR AN AUTHORITY APPROVED EQUAL. BRASS AND STAINLESS STEEL HARDWARE IS EXEMPT FROM THIS REQUIREMENT. 10. COATINGS AND LININGS DAMAGED DUE MISHANDLING OR OTHERWISE, MUST BE REPLACED. COATING AND LININGS DAMAGED DUE TO FIELD CUTTING SHALL BE REPAIRED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, CEMENT MORTAR AND POLYETHYLENE PIPE LININGS, PROTECTO 401, GALVANIZED COATINGS, PVC FENCE COATINGS AND OTHER TYPE COATINGS. APPROVAL MUST BE OBTAINED FROM AUTHORITY PRIOR TO PERFORMING COATING AND LINING REPAIRS. INSPECTIONS OF ALL REPAIRS ARE REQUIRED. 11. ALL STAINLESS STEEL NUTS, BOLTS AND HARDWARE REFERENCED IN THESE STANDARDS, SHALL BE SS 316 GRADE AND SHALL BE SO STAMPED BY THE MANUFACTURER TO VERIFY ALLOY. THE USE OF ANY OTHER STAINLESS STEEL ALLOY WILL REQUIRE SPECIFIC APPROVAL BY AUTHORITY. IN GENERAL, STAINLESS STEEL NUTS, BOLTS AND HARDWARE ARE REQUIRED IN AND AROUND LIFT STATIONS AND FOR FACILITIES INSTALLED OVER OR UNDER BRACKISH OR MARINE WATERS. THIS REQUIREMENT APPLIES TO FLANGE BOLTS AND NUTS ON FLANGED PIPING, MOUNTING BRACKETS, ALL THREAD ROD, ANCHOR BOLTS, WASHERS, CLAMPS AND OTHER MISCELLANEOUS HARDWARE. ANTI-GALLING COMPOUND ANTI-SEIZE LUBRICANT SHALL BE APPLIED TO THE THREADS OF ALL STAINLESS STEEL BOLTS PRIOR TO INSTALLATION. ANTI-SEIZE LUBRICANT SHALL BE GRAPHITE 50 ANTI-SEIZE BY LOCITTE CORPORATION, 1000 ANTI-SEIZE PASTE BY DOW CORNING OR 3M LUBE AND ANTI-SEIZE BY 3M. 12. ALL RUBBER AND SYNTHETIC ELASTOMERIC COMPONENTS OF PRODUCTS THAT COME IN CONTACT WITH POTABLE WATER SHALL BE MANUFACTURED WITH CHLORAMINE RESISTANT ELASTOMERS AND SHALL BEAR NSF APPROVAL. 13. ALL MAIN, INCLUDING FITTINGS, SHALL BE EASILY IDENTIFIABLE AS TO THEIR CONTENTS AND SHALL BE COLOR CODED OR MARKED USING THE UNIVERSAL COLOR CODE FOR WATER, GREEN FOR SEWER AND LAVENDER FOR RECLAIMED WATER. PIPE STRIPED DURING MANUFACTURING OF THE PIPE SHALL HAVE CONTINUOUS STRIPES THAT RUN PARALLEL TO THE AXIS OF THE PIPE, THAT ARE LOCATED AT NO GREATER THAN 90-DEGREE INTERVALS AROUND THE PIPE, AND THAT WILL REMAIN INTACT DURING AND AFTER INSTALLATION OF THE PIPE. IF TAPE IS USED TO STRIPE PIPE DURING INSTALLATION OF THE PIPE, THE TAPE SHALL BE APPLIED IN A CONTINUOUS LINE THAT RUNS PARALLEL TO THE AXIS OF THE PIPE AND THAT IS LOCATED ALONG THE TOP OF THE PIPE. FOR PIPES WITH AN INTERNAL DIAMETER OF 24 INCHES OR GREATER, TAPE SHALL BE APPLIED IN CONTINUOUS LINES ALONG EACH SIDE OF THE PIPE AS WELL AS ALONG THE TOP OF THE PIPE.	
Water, Reclaimed Water, and Sewer and Separation Statement SEACOAST UTILITY AUTHORITY CONSTRUCTION STANDARDS AND DETAILS Revision B-18 DATE APPROVED: FEB 26, 2025 DRAWING No. 2	Standard Trenching Procedure SEACOAST UTILITY AUTHORITY CONSTRUCTION STANDARDS AND DETAILS Revision C-20 DATE APPROVED: FEB 26, 2025 DRAWING No. 4	Pavement Replacement SEACOAST UTILITY AUTHORITY CONSTRUCTION STANDARDS AND DETAILS Revision A-15 DATE APPROVED: FEB 26, 2025 DRAWING No. 5	Pipe Installation Protocol SEACOAST UTILITY AUTHORITY CONSTRUCTION STANDARDS AND DETAILS Revision D-23 DATE APPROVED: FEB 26, 2025 DRAWING No. 15
METER BOX TO BE INSTALLED IN FIRST 4' OF UE METER BOX AND METER PURCHASE THROUGH SUA FORD UVB 43-42W-65 NL BALL VALVE BRANCH ASSEMBLY EDGE OF PAVEMENT PAVEMENT MAGNETIC MARKER 10' UE 10' 12" 30" MINIMUM 36" MAXIMUM 30" MIN. COVER OR EXISTING COVER MAGNETIC MARKER USE PACK JOINT 90° FOR 1 1/2" OR 2" WATER SERVICE SEAL BOTH ENDS OF CASING WITH GROUT SEE NOTE NO. 7 1-1/2" CORPORATION STOP AND TUBING (MINIMUM SIZE) DOUBLE STRAP TAPPING SADDLE (NO DIRECT TAPS PERMITTED) A D DETAIL "A"	METER BOX AND METER PURCHASE THROUGH SUA (TYPICAL) 1" SERVICE LINE (MIN) METER CURB STOP PROPERTY LINE SINGLE SERVICE 1 1/2" SERVICE LINE (MIN) "Y" BRANCH BRASS COMPRESSION (FORD Y44-264-NL) DOUBLE STRAP TAPPING SADDLE WITH ANWA THREADS (TYPICAL) MAIN DOUBLE SERVICE 12"	PROPERTY LINE METER BOX AND METER PURCHASE THROUGH SUA 1" CURB STOP (MIN.) WITH LOCKING WINGS AND DRILLED METER NUT EDGE OF PAVEMENT PAVEMENT MAGNETIC MARKER SEE NOTE NO. 9 1" CORPORATION STOP AND TUBING (MINIMUM SIZE) DOUBLE STRAP TAPPING SADDLE (NO DIRECT TAPS PERMITTED) A D DETAIL "A"	
NOTES: (PLEASE REFER TO WRITTEN SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS) 1. CASINGS SHALL BE REQUIRED FOR ALL LONG SIDE SERVICES. 2. SUCCESSIVE TAPS INTO THE WATER MAIN SHALL BE SPACED A MINIMUM OF 18" OFFSET AND AT 90° FROM THE CENTERLINE AS SHOWN ON DETAIL "A". 3. WHERE NO SIDEWALK EXISTS, METER BOXES SHALL BE SET TO CONFORM TO FINISH GRADE. 4. COPPER TUBING SHALL BE TYPE "K" WITH COMPRESSION FITTINGS. 5. POLYETHYLENE TUBING SHALL BE SDR 9, COPPER TUBE SIZE. 6. TAPPING SADDLES AND CORPORATION STOPS SHALL HAVE AWMA INLET THREADS. 7. SERVICE CASING SHALL NOT BE INSTALLED BY WATER JETTING UNDER ROADWAY. 8. GALVANIZED SCHEDULE 40 CASING REQUIRED FOR ANY INSTALLATION REQUIRING A JACK AND BORE, SCHEDULE 40 PVC MAY BE USED FOR AN OPEN CUT INSTALLATION WITH THE APPROVAL OF SUA, CASING SHOULD EXTEND TEN (10) FEET BEYOND EDGE OF PAVEMENT AND SIZED AS FOLLOWS: • 1" SERVICE USE 2" CASING • 1 1/2" SERVICE USE 3" CASING • 2" SERVICE USE 4" CASING	NOTES: (PLEASE REFER TO WRITTEN SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS) 1. AUTHORIZED SERVICE LINE MATERIAL: A) TYPE "K" COPPER TUBING WITH COMPRESSION FITTINGS. B) POLYETHYLENE TUBING SDR 9, COPPER TUBE SIZE. 2. METER CURB STOP SHALL BE WITH LOCKING WINGS AND DRILLED METER NUT, 1" MINIMUM. 3. 1" METER CURB STOPS WITH 3/4" VALVES SHALL NOT BE PERMITTED. 4. MULTIPLE SERVICE/METER INSTALLATIONS OF MORE THAN 4 METERS PER SERVICE AND SERVICE LINES LARGER THAN 2" IN DIAMETER SHALL BE APPROVED ON AN INDIVIDUAL BASIS. 5. METER CURB STOPS 1 1/2" AND 2" IN SIZE SHALL BE PROVIDED WITH A METER FLANGE. 6. SERVICE LINE SHALL BE CONTINUOUS BETWEEN CORP STOP AND CURB STOP WITH THE EXCEPTION OF THE "Y" BRANCH. 7. SERVICE TAPS SHALL BE SPACED AT A MINIMUM DISTANCE OF 18 INCHES.		

Water Service Installation - Angle Meter Stop SEACOAST UTILITY AUTHORITY CONSTRUCTION STANDARDS AND DETAILS Revision D-24 DATE APPROVED: FEB 26, 2025 DRAWING No. 27	Typical Water Service SEACOAST UTILITY AUTHORITY CONSTRUCTION STANDARDS AND DETAILS Revision E-24 DATE APPROVED: FEB 26, 2025 DRAWING No. 28	Typical Water Service Installation SEACOAST UTILITY AUTHORITY CONSTRUCTION STANDARDS AND DETAILS Revision B-23 DATE APPROVED: FEB 26, 2025 DRAWING No. 29
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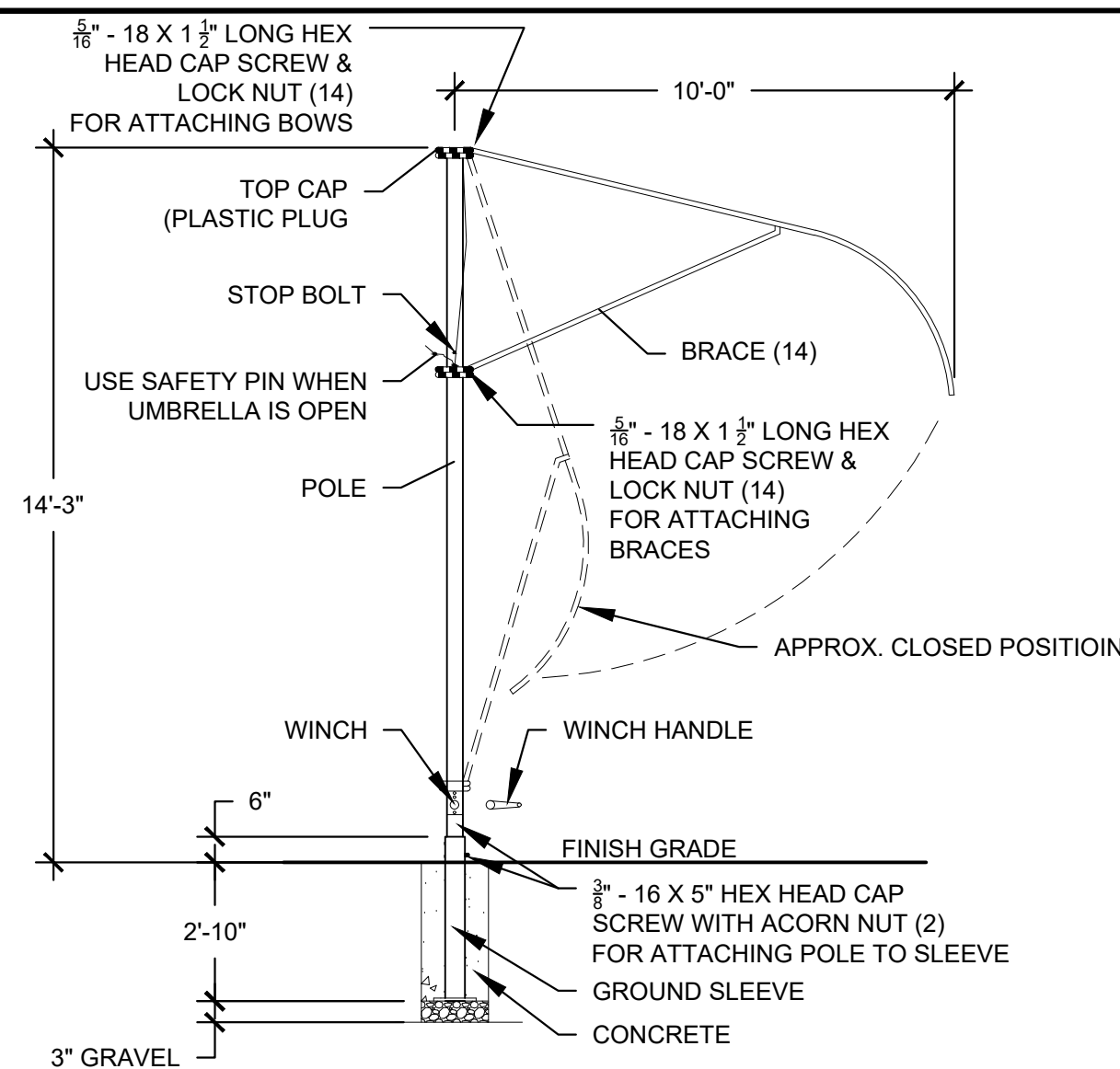
SHEET NUMBER C2.11	KELSEY PARK SPLASH PAD PREPARED FOR TOWN OF LAKE PARK LAKE PARK	ENGINEERING DETAILS	KHA PROJECT 044168012	DATE MAY 2026	SCALE AS SHOWN DESIGNED BY JDH DRAWN BY KTC	CHECKED BY DATE:	LICENSED PROFESSIONAL JONATHAN D. HAIGH, PLA	FL LICENSE NUMBER LA #6666795	© 2010 KIMLEY-HORN AND ASSOCIATES, INC. 477 S ROSEMARY AVE STE 215, WEST PALM BEACH, FL 33401 PHONE: 561-840-0848 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106	Kimley»Horn																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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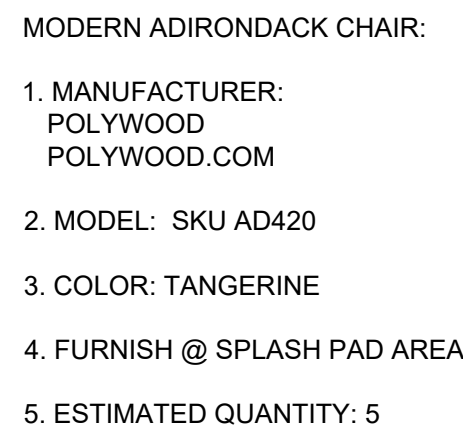


A SPLASH PAD

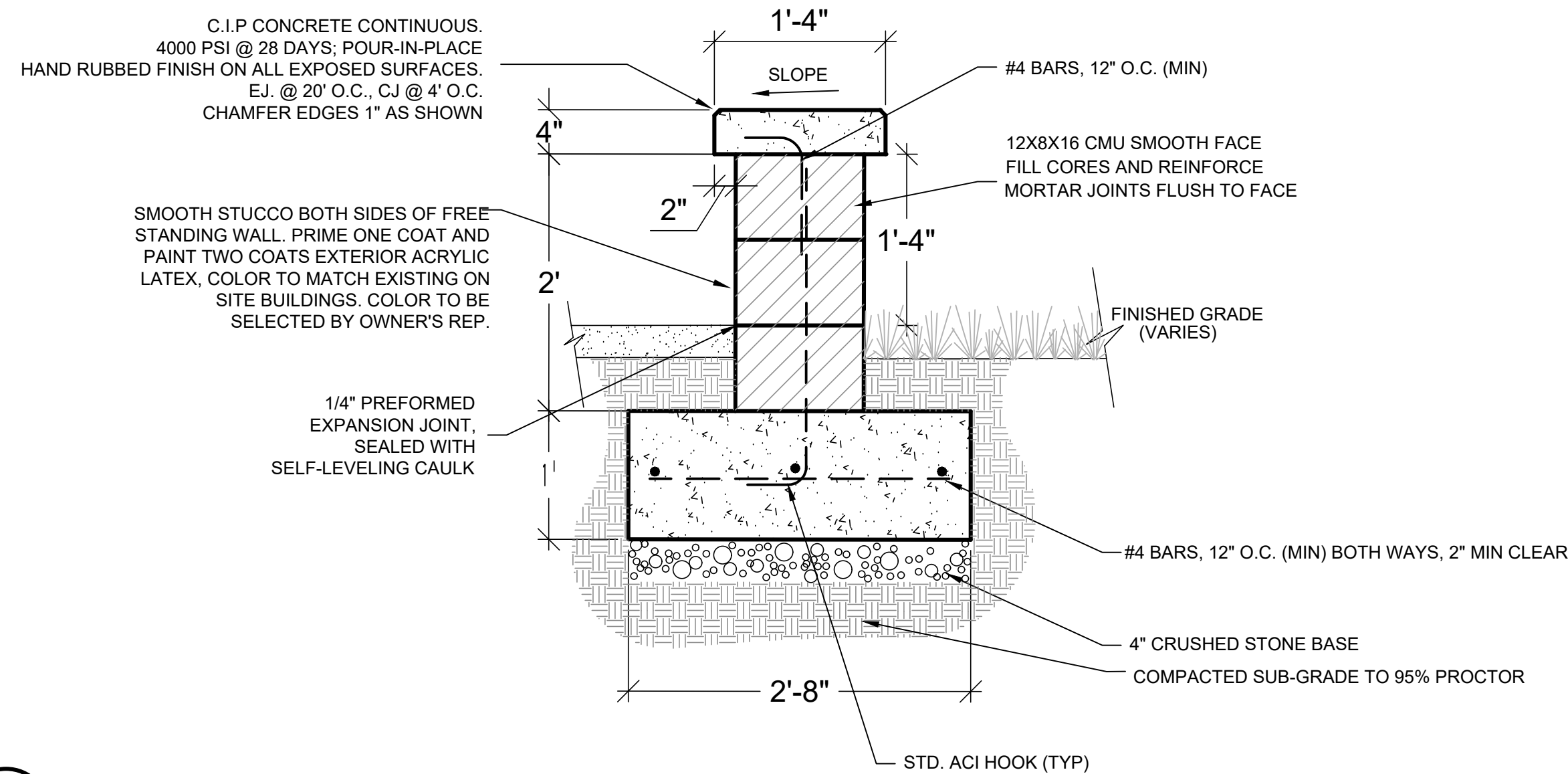
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KELSEY PARK SPLASH PAD PREPARED FOR TOWN OF LAKE PARK LAKE PARK, FL												
SHEET NUMBER C3.00												



20' DIAMETER CLASIC FUNBRELLA



B SPLASH PAD CHAIRS



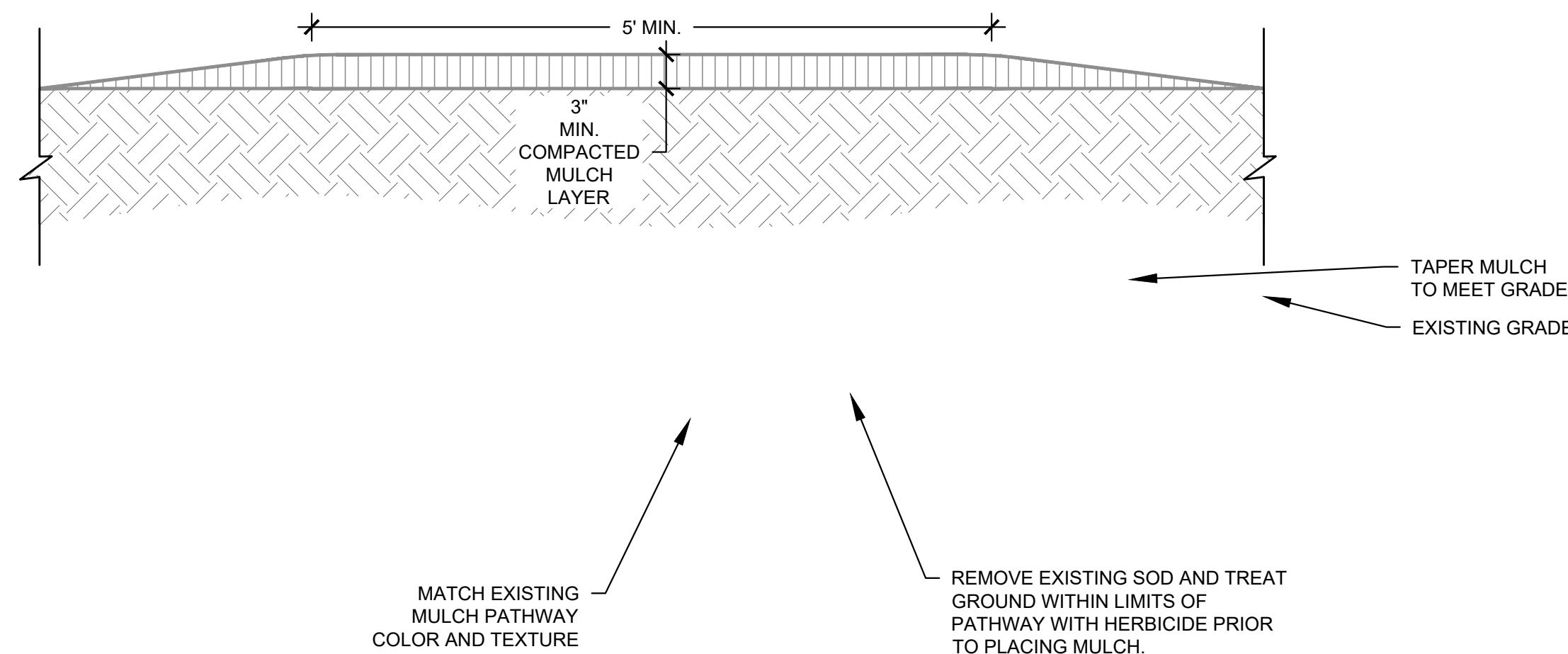
SEAT WALL



ROUND PICNIC TABLE WITH UMBRELLA, UMBRELLA COUPLER AND HOLDER



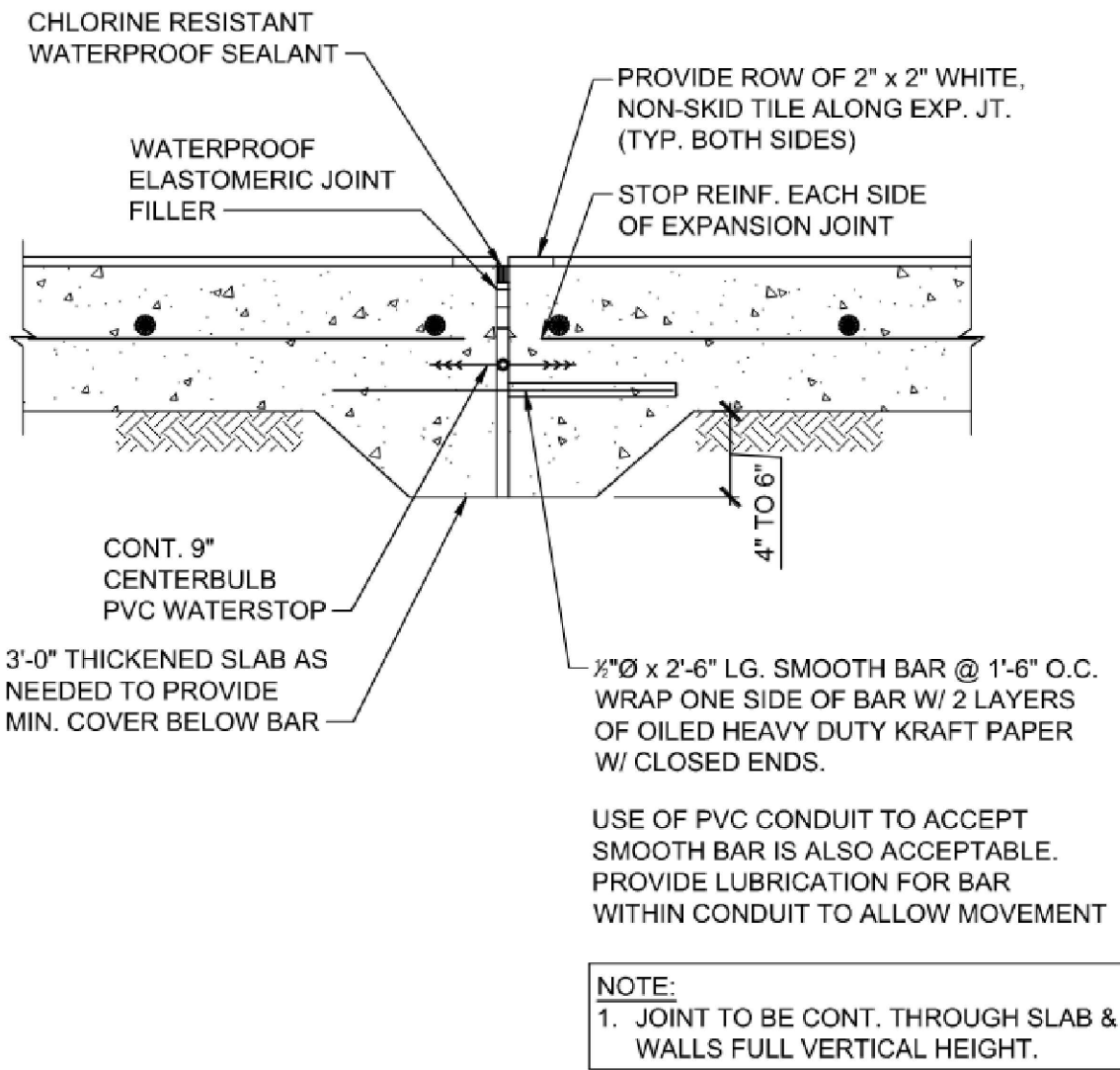
STANDARD ROUND RECYCLED WASTE RECEPTACLE



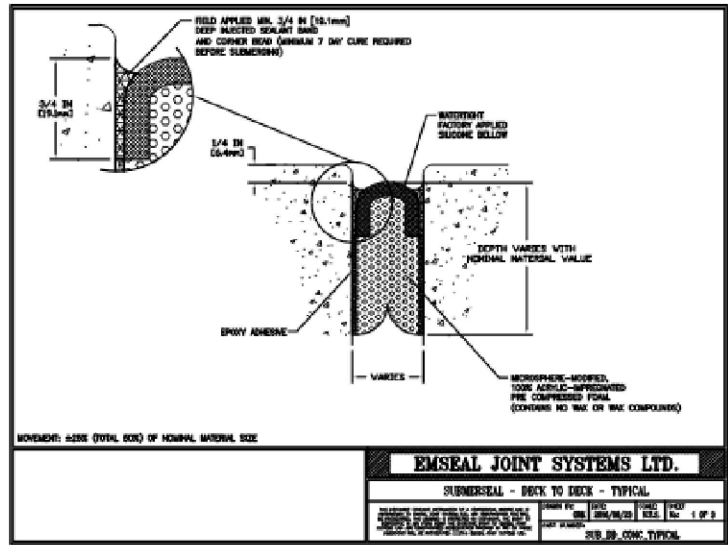
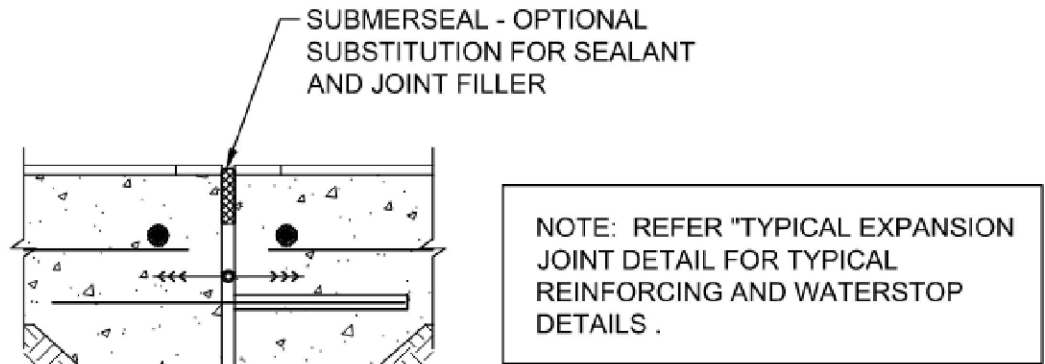
F MULCH PATH

Plotted By: Thomas-Copps, Kennedy, Sheet Set: Kelsey Park, Splash Pad, Layout: C3.12, Hardscape Details, May 14, 2026, 07:19:43pm, K:\WPB_LALP\044188012 - Kelsey Park, Splash Pad\CAD\Plan\sheet\C3.12_HARDSCAPE_DETAILS.dwg
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A SPLASH PAD EXPANSION JOINT



OPTIONAL (SUBMERSEAL)



SUBMERSEAL DETAIL

REFER TO MANUFACTURER'S INSTRUCTIONS FOR LATEST INSTALLATION REQUIREMENTS / PREPARATION

CEMENT: SEE MIX INFO BELOW

SAND: LOCALLY AVAILABLE SAND

COLOR ADMIXTURES:

FINISH 'A': SOLACHROME ADMIXTURE FOR COLOR CONDITIONED CONCRETE: SRI 36, SR 0.323. SANDBLAST SMOOTH. GREY CEMENT. SEE PLAN ON THIS SHEET FOR LOCATIONS.

FINISH 'B': SOLACHROME ADMIXTURE FOR COLOR CONDITIONED CONCRETE: SRI 83, SR 0.675. SANDBLAST SMOOTH. WHITE CEMENT. SEE PLAN ON THIS SHEET FOR LOCATIONS.

CHROMIX ADMIXTURE BY SIKA BY SCOFIELD SYSTEMS:
S-45 COOL BIMINI SOLAR REFLECTANCE CONCRETE
(1-800-800-9900)
MIX INTEGRAL COLOR PER MANUFACTURER'S SPECIFICATION.

CURING COMPOUND: COLOR TO MATCH INTEGRALLY COLORED CONCRETE. CURING COMPOUND IS CURSEAL-W BY SCOFIELD SYSTEMS, COLOR MATCHED TO CONCRETE COLOR.

1. A PRE-JOB CONFERENCE IS RECOMMENDED BETWEEN OWNER, ENGINEER, LANDSCAPE ARCHITECT, READY-MIX REPRESENTATIVE, AND MANUFACTURER'S REPRESENTATIVE TO DISCUSS PROJECT APPLICATION AND REVIEW SUBMITTALS.
2. ALL CONCRETE MUST BE BATCHED FROM THE SAME LOCATION
3. A 10'X10' MOCKUP MUST BE APPROVED BY OWNER AND LANDSCAPE ARCHITECT, SHOWING SURFACE RETARDER FINISH, FLOAT FINISH, SEALANT AND INTEGRAL COLOR FOR FINISH A, B, C, D. ALL TO BE APPROVED PRIOR TO CONSTRUCTION. MOCKUP LOCATION TO BE OFF-SITE, AT A LOCATION MUTUALLY AGREED-UPON BY THE CONTRACTOR AND OWNER.
4. PRECAUTIONS MUST BE TAKEN IN HOT WEATHER TO PREVENT PLASTIC CRACKING RESULTING FROM EXCESSIVELY RAPID DRYING AT SURFACE AS DESCRIBED IN CIP 5 "PLASTIC SHRINKAGE CRACKING" PUBLISHED BY THE NATIONAL READY MIXED CONCRETE ASSOCIATION.

CONTRACTOR TO FIELD-STAKE CONCRETE LAYOUT FOR APPROVAL PRIOR TO CONCRETE INSTALLATION

B INTEGRAL COLOR CONCRETE- SPLASH PAD AREA

KELSEY PARK
SPLASH PAD
PREPARED FOR
TOWN OF LAKE PARK
LAKE PARK

SHEET NUMBER
C3.12

HARDSCAPE DETAILS

KHA PROJECT
DATE
MAY 2026
SCALE AS SHOWN
DESIGNED BY JDH
DRAWN BY KTC
CHECKED BY JDH
DATE: ---
LICENCED PROFESSIONAL
JONATHAN D. HAIGH, PLA
FL LICENSE NUMBER
LA #6666795

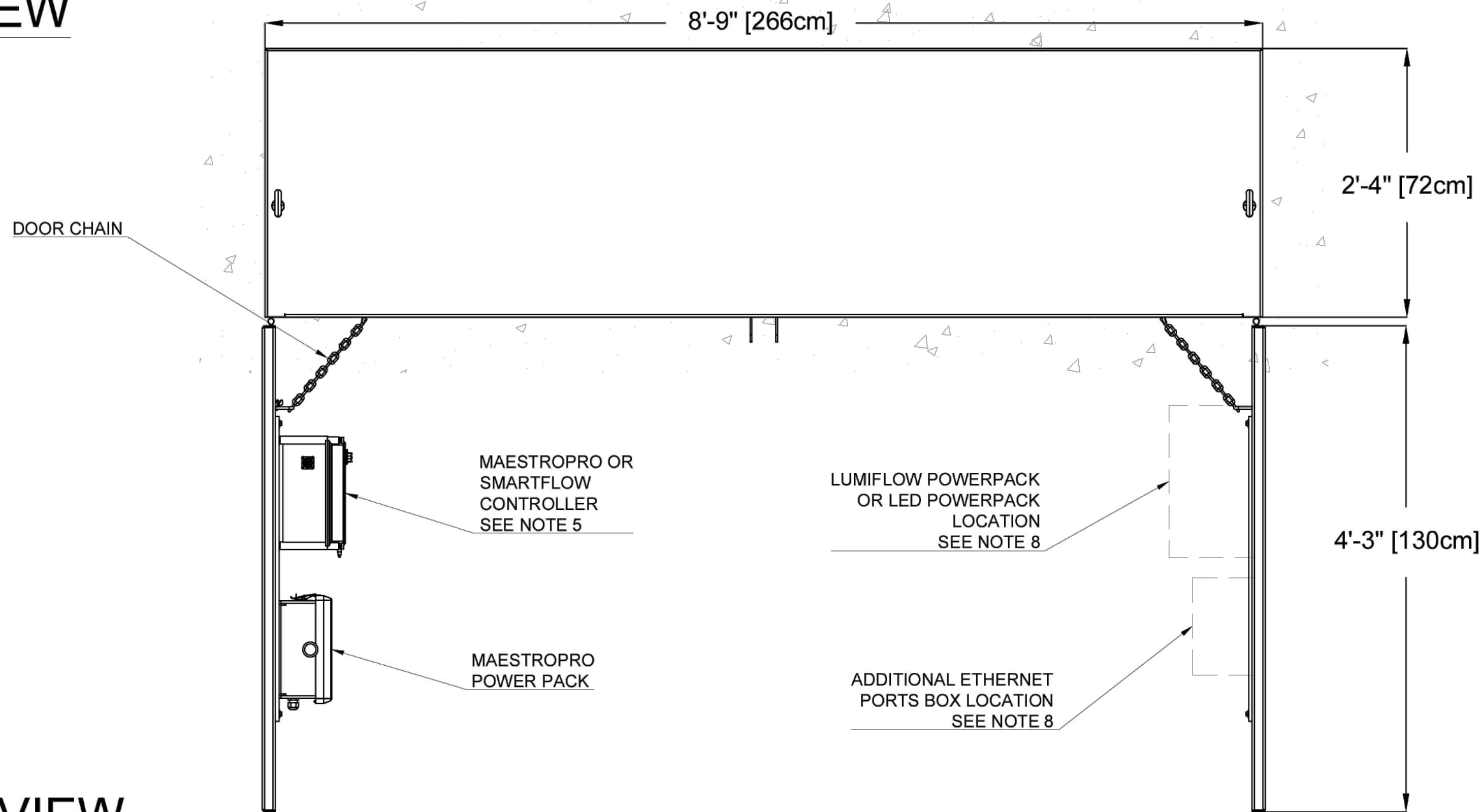
Kimley»Horn

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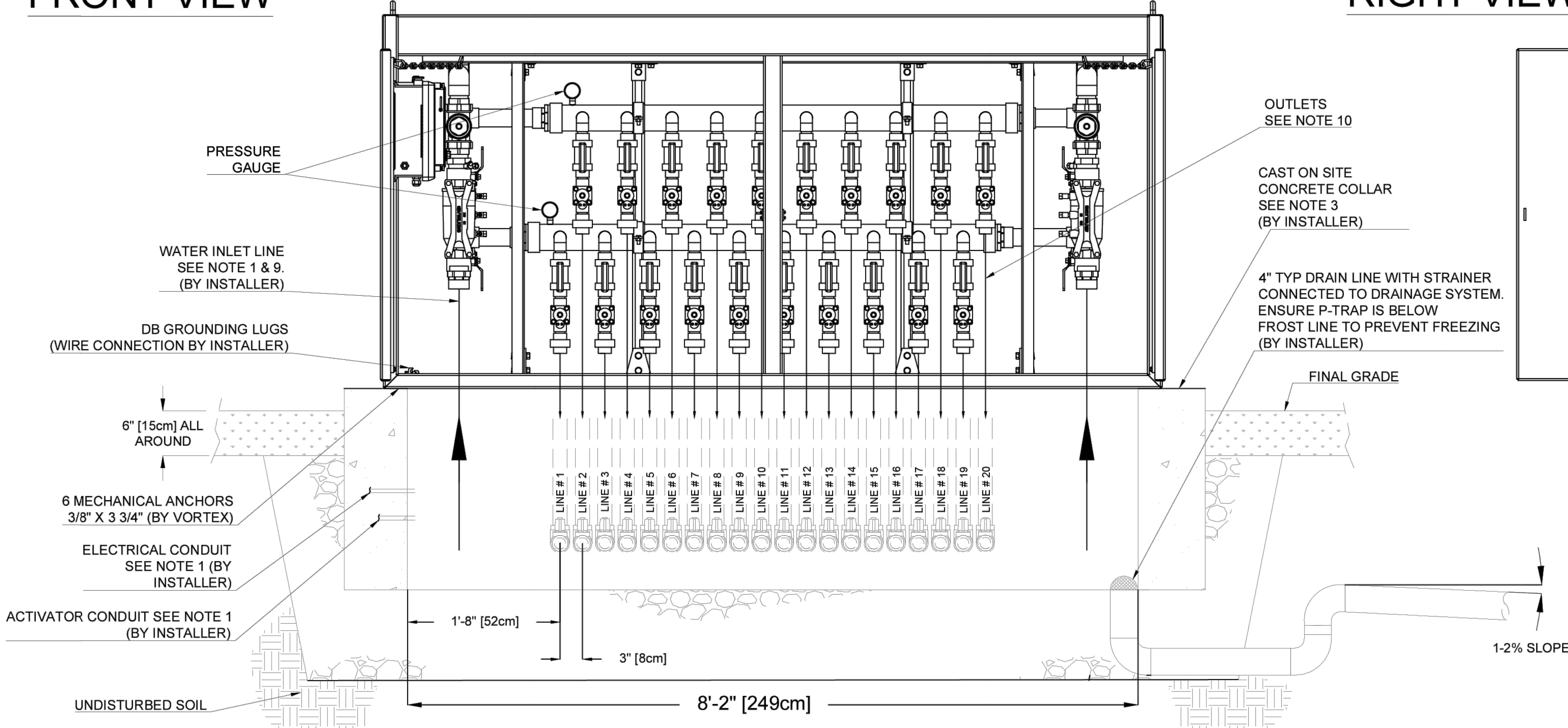
REVISIONS
No. DATE BY

Plotted By: Thomas-Copps, Kennedy, Sheet Set: Kelsey Park Splash Pad Details, May 14, 2026, 07:19:55pm, K:\VFP\LAP\044168012 - Kelsey Park Splash Pad\CAD\PlanSheets\C3.10_HARDSCAPE_DETAILS.dwg
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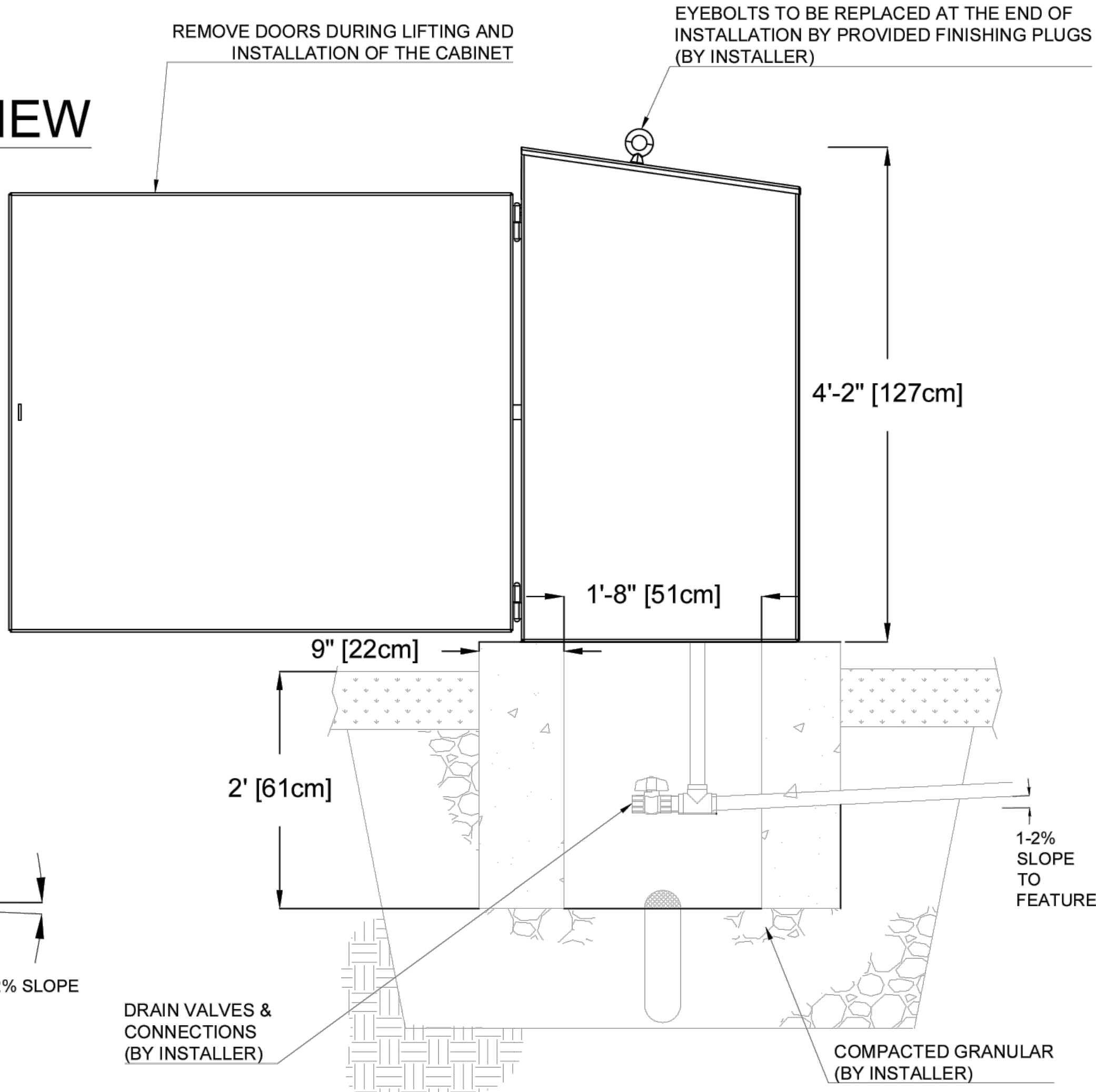
TOP VIEW



FRONT VIEW



RIGHT VIEW



NOTES:

1. REFER TO P&E DRAWINGS FOR PIPE SIZES AND ELECTRICAL CONNECTIONS
2. REFER TO PRODUCT SPECIFICATION DOCUMENT FOR ADDITIONAL INFORMATION
3. CONCRETE SURFACE, VERIFY LOCAL CODES FOR TYPE, THICKNESS & REINFORCEMENTS REQUIREMENTS.
4. "BY INSTALLER" MAY REFER TO SERVICE PROVIDERS OTHER THAN EQUIPMENT MANUFACTURER. PLEASE REFER TO THE PROJECT SCOPE OF WORK FOR DETAILS OF RESPONSIBILITIES.
5. IF THE CONTROLLER IS REMOTE LOCATED, CONDUCTORS # 18 AWG AT 10' LONG ARE PROVIDED BY VORTEX. FOR QUANTITY SEE PIPING AND ELECTRICAL SCHEMATIC DETAIL. GROUNDING OF J-BOX DONE BY INSTALLER.
6. DIRECTION OF FLOW FOR PLUMBING SHALL BE LABELED USING DIRECTIONAL SYMBOLS.
7. VALVES AND PLUMBING LINES SHALL BE LABELED WITH DESCRIPTION OF SOURCE OR DESTINATION.
8. OPTIONAL EQUIPMENTS
9. INLETS CAN BE CONFIGURED TO:
 - 1X2" INLET (WITH OR WITHOUT 2" BFP / PR)
 - 2X2" INLET (WITH OR WITHOUT 2" BFP / PR)
 - 1X3" INLET (WITHOUT 3" BFP / PR)
 - 2X3" INLET (WITHOUT 3" BFP / PR, ONLY AVAILABLE AS CUSTOM UPON CUSTOMER'S REQUEST)
10. OUTLETS CAN BE A COMBINATION UP TO 20 OF:
 - 1" GATE VALVE
 - 1" BRASS OR PVC SOLENOID VALVE WITH OR WITHOUT BALL VALVE
 - 1" FAST ACTING SOLENOID VALVE
11. SEE PRODUCT INSTALLATION MANUAL FOR INSTALLATION TIPS

SPLASH PAD SYSTEM NOTES:

1. SCHEMATIC DESIGN PROVIDED BY MANUFACTURER FOR BIDDING PURPOSES ONLY. SPLASH PAD MANUFACTURER WILL PROVIDE ENGINEERED DRAWINGS FOR THE ENTIRE SYSTEM FOR PERMITTING PRIOR TO CONSTRUCTION.
2. CONTRACTOR BID SHALL INCLUDE A TURN-KEY SPLASH PAD SYSTEM, INCLUSIVE OF PERMIT DRAWINGS, ALL EQUIPMENT, INSTALLATION AND START-UP, AS WELL AS TRAINING TO TOWN OF LAKE PARK STAFF FOR MAINTENANCE. CONTRACTOR IS REQUIRED TO SUBMIT ENGINEERED SPLASH PAD DRAWINGS TO THE DOH FOR PERMIT REVIEW.
3. PERMIT FEES WILL BE PAID BY THE TOWN OF LAKE PARK.

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LISCENSED PROFESSIONAL		JONATHAN D. HAIGH, PLA FL LICENSE NUMBER LA #6666795	
KHA PROJECT 044168012	DATE MAY 2026	SCALE AS SHOWN	DESIGNED BY JDH
CHECKED BY KTC	DATE ---		
SPLASH PAD DETAILS		KELSEY PARK SPLASH PAD PREPARED FOR TOWN OF LAKE PARK LAKE PARK	
SHEET NUMBER C3.14			

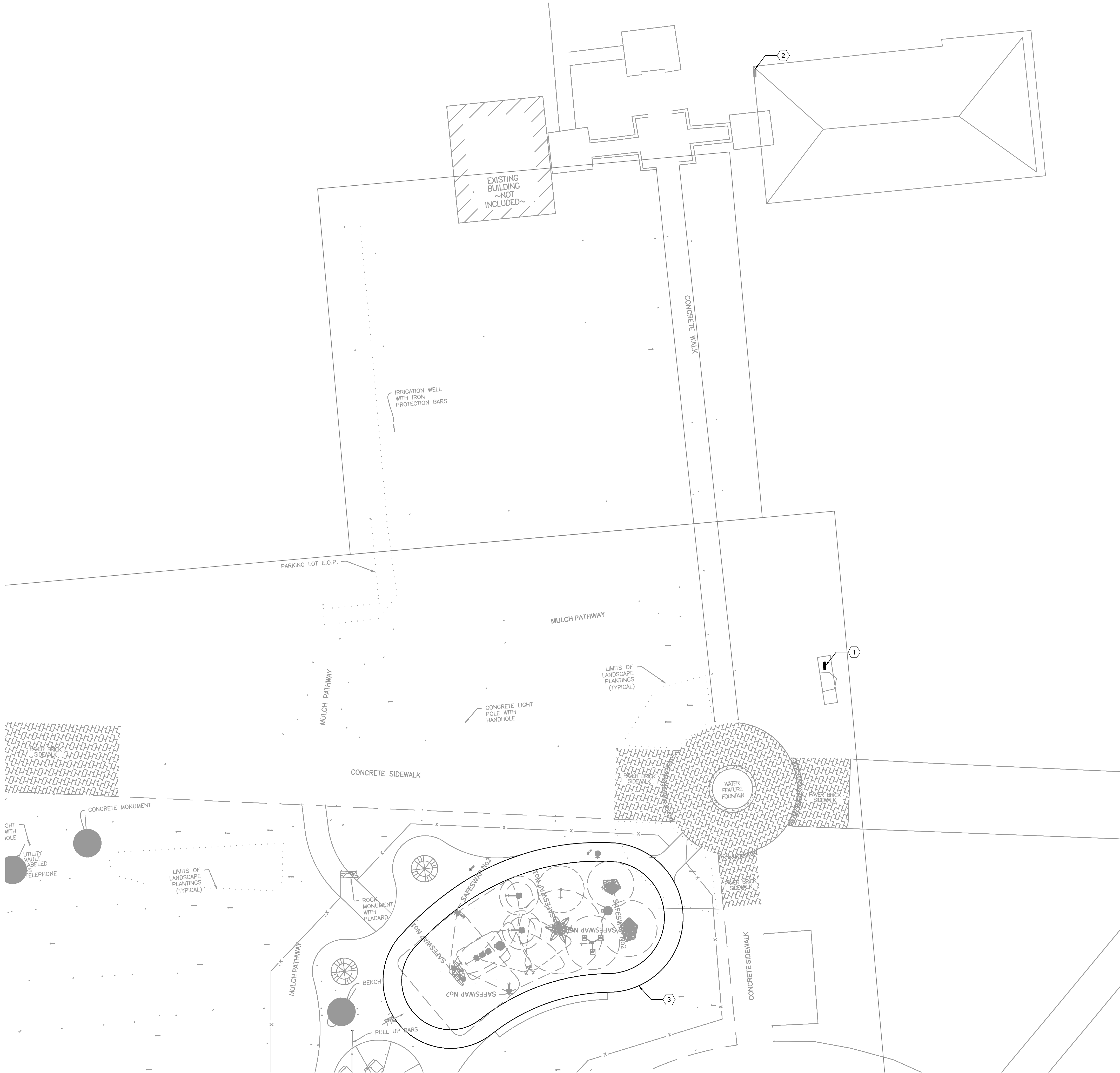
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WITHIN 90 DAYS AFTER THE DATE OF THE SYSTEM ACCEPTANCE, RECORD DRAWINGS OF THE ACTUAL CONDITIONS SHALL BE PROVIDED TO THE BUILDING OWNER, INCLUDING A SINGLE-LINE DIAGRAM OF THE BUILDING ELECTRICAL DISTRIBUTION SYSTEM AND FLOOR PLANS INDICATING LOCATION AND AREA SERVED FOR ALL DISTRIBUTION. ADDITIONALLY, AN OPERATING MANUAL AND MAINTENANCE MANUAL SHALL BE PROVIDED TO THE BUILDING OWNER INCLUDING THE FOLLOWING: SUBMITTAL DATA STATING EQUIPMENT RATING AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE, OPERATION MANUALS AND MAINTENANCE MANUAL FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE INCLUDING CLEARLY IDENTIFIED ROUTINE MAINTENANCE ACTIONS, AND NAMES AND ADDRESSES OF AT LEAST ONE QUALIFIED SERVICE AGENCY.

EXX	#	KEYNOTE TAG.
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EXISTING TO REMAIN.

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# ELECTRICAL KEYNOTES	
1.	APPROXIMATE LOCATION OF REPLACEMENT CHRISTMAS TREE PANEL TO BE REPLACED WITH NEW. CONTRACTOR TO FIELD VERIFY EXACT LOCATION.
2.	APPROXIMATE LOCATION OF EXISTING 225A PA PANEL TO REMAIN. CONTRACTOR TO FIELD VERIFY EXACT LOCATION.
3.	NEW SPLASH PAD LOCATION.

KELSEY PARK SPLASH PAD PREPARED FOR TOWN OF LAKE PARK LAKE PARK, FL	ELECTRICAL OVERALL SITE PLAN	KHA PROJECT 044168012 DATE 05/05/2026 SCALE AS SHOWN DESIGNED BY PJ DRAWN BY PJ CHECKED BY MDB	LICENSED PROFESSIONAL MARK DELLE BOWI, FL FL LICENSE NUMBER FL #89795 DATE: 05/05/2026	Kimley»Horn © 2010 KIMLEY-HORN AND ASSOCIATES, INC. 477 S ROSEMARY AVE STE 215 WEST PALM BEACH, FL 33401 PHONE: 561-840-0848 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM	No.	REVISIONS	DATE	BY

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ELECTRICAL GENERAL NOTES

1. PROVIDE NEMA 4X ENCLOSURE FOR ALL NEW EQUIPMENT EXPOSED TO ELEMENTS.

ELECTRICAL KEYNOTES

1. APPROXIMATE LOCATION OF EXISTING CHRISTMAS TREE PANEL TO BE REPLACED WITH NEW. RECONNECT TO EXISTING FEEDERS FROM SOURCE PANEL PA. EXTEND WIRES AND CONDUIT AS REQUIRED. MATCH EXISTING SIZES. CONTRACTOR TO FIELD VERIFY EXACT LOCATION.
2. PROVIDE WEATHERPROOF EPO FOR SPLASH PAD EMERGENCY SHUTOFF. CONNECT TO SPLASH PAD CONTROLLER WITH WIRING AS REQUIRED BY MANUFACTURER. COORDINATE EXACT SPECIFICATIONS AND CONNECTION WITH SLASH PAD MANUFACTURER PRIOR TO PERFORMING WORK.
3. PROVIDE NEW DISCONNECT AT SPLASH PAD CONTROLLER LOCATION. CONNECT TO SPLASH PAD CONTROLLER WITH WIRING AS REQUIRED BY MANUFACTURER. COORDINATE EXACT SPECIFICATIONS AND CONNECTION WITH SLASH PAD MANUFACTURER PRIOR TO PERFORMING WORK. COORDINATE EXACT LOCATION OF SPLASH PAD CONTROLLER IN FIELD.
4. SPLASH PAD CONTROLLER PROVIDED BY OTHERS. COORDINATE EXACT LOCATION WITH MANUFACTURER. PROVIDE OUTDOOR RATED 120V TO 24V TRANSFORMER AS NEEDED AT CONTROLLER LOCATION. COORDINATE EXACT SPECIFICATIONS AND CONNECTION WITH SLASH PAD MANUFACTURER PRIOR TO PERFORMING WORK.
5. PROPOSED UNDERGROUND CONDUIT ROUTE. FIELD COORDINATE ROUTING WITH ALL OTHER TRADES PRIOR TO INSTALLATION.
6. RELOCATE EXISTING MANHOLE AS SHOWN TO ACCOMMODATE NEW SPLASH PAD. CONTRACTOR SHALL COORDINATE EXACT LOCATION ON SITE. EXTEND ELECTRICAL FEEDERS AS REQUIRED. MATCH EXISTING SIZES.

1

ELECTRICAL SITE PLAN - ENLARGED

SCALE: 1/8" = 1'-0" (SMALL)

KELSEY PARK
SPLASH PAD
PREPARED FOR
TOWN OF LAKE PARK
LAKE PARK

ELECTRICAL ENLARGED SITE PLAN

KHA PROJECT
044168012
DATE
05/05/2026
SCALE AS SHOWN
DESIGNED BY
PJ
DRAWN BY
PJ
CHECKED BY
MDB
DATE
05/05/2026
LICENSED PROFESSIONAL
MARK DELLE BOWI, FL
FL LICENSE NUMBER
#89795

Kimley»Horn

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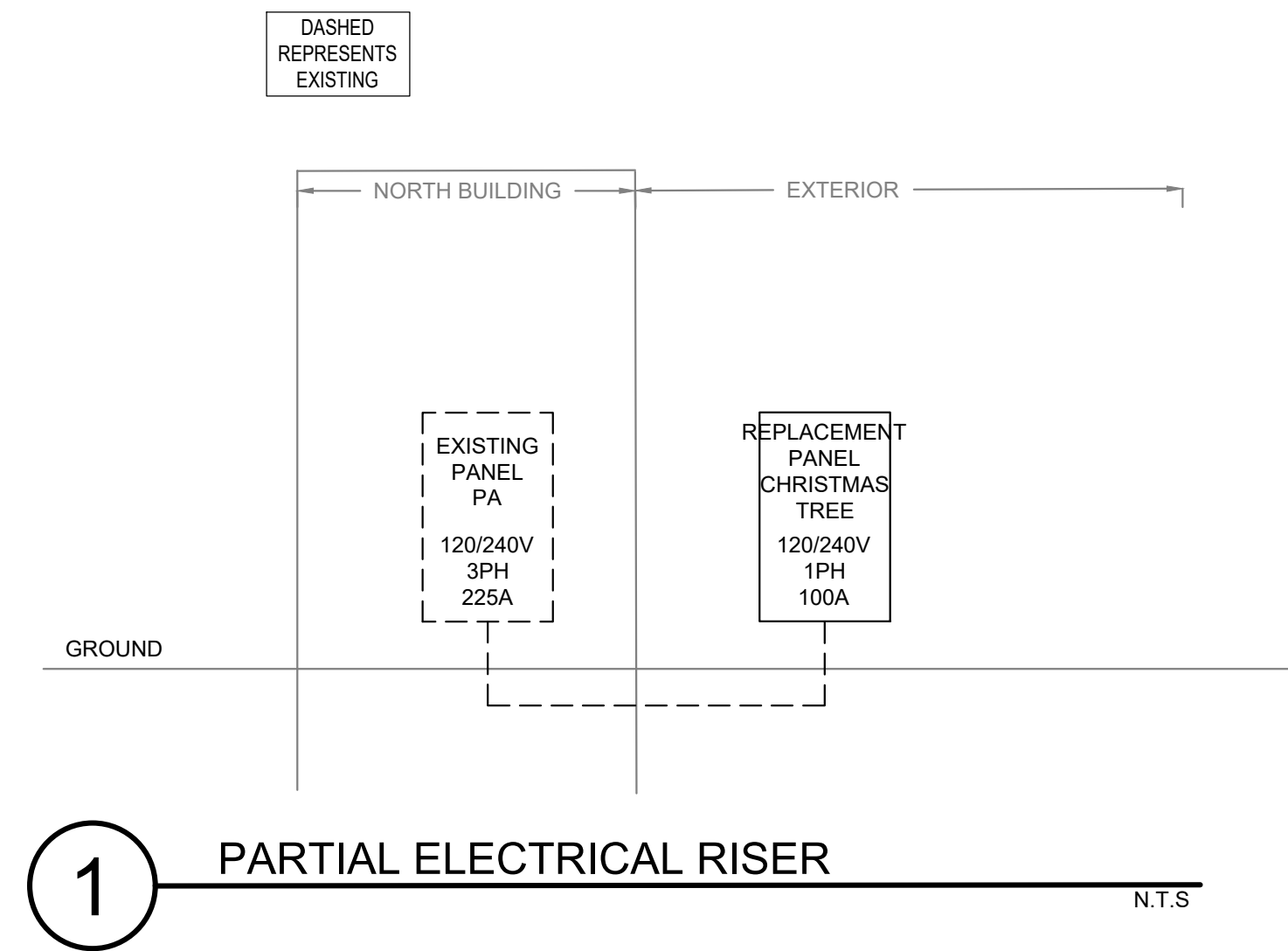
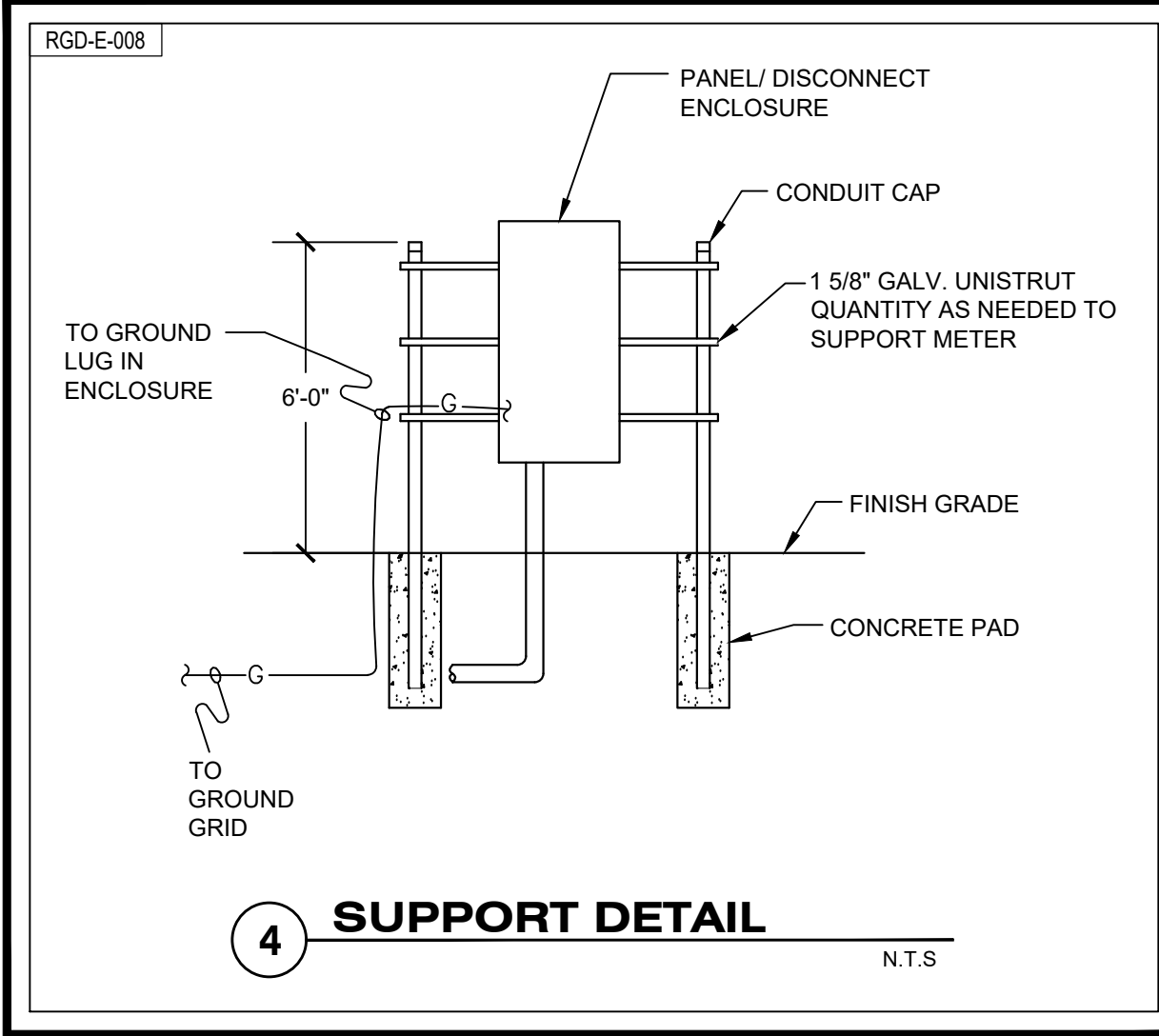
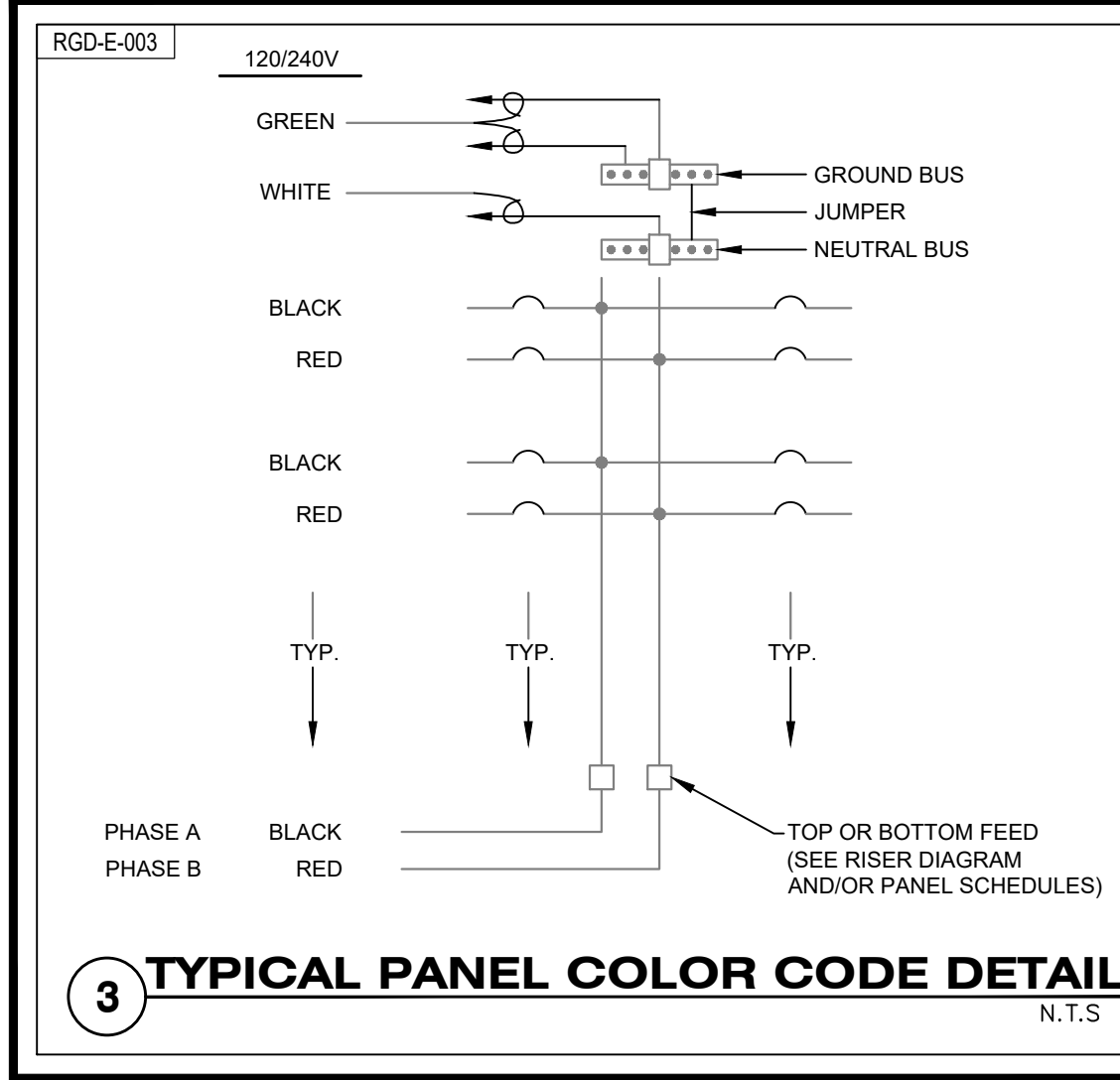
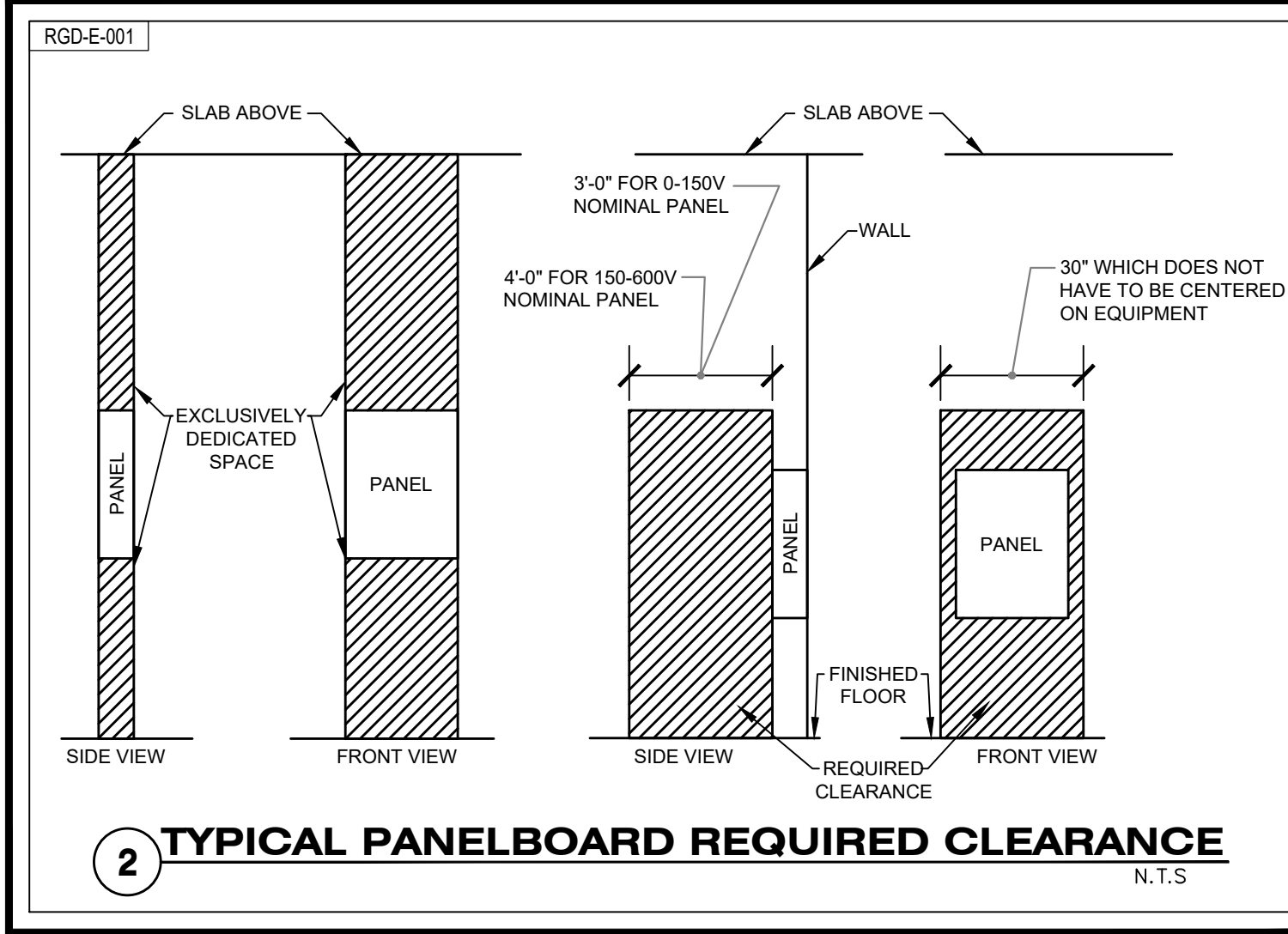
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REVISIONS

No.

DATE

BY



A Ø		1 kVA (CONNECTED)		REPLACEMENT PANEL CHRISTMAS TREE										1 Ø		3 W			
B Ø		1.00 kVA (CONNECTED)												120/240 VOLT		100 AMP BUS			
TOTAL		1.00 kVA (CONNECTED)		4 AMPS		M.L.O.										FED BY: PA		BREAKER INTERRUPT RATING	
TOTAL		1.00 kVA (NEC 220)		4 AMPS												10,000 A.I.C.		NOTES: MATCH KIC RATING TO EXISTING PANEL ON FIELD	
COND. SIZE	WIRE SIZE	LOAD DESCRIPTION		kVA	A Ø	kVA	B Ø	C/B	CKT NO.	CKT NO.	C/B	kVA	A Ø	kVA	B Ø	LOAD DESCRIPTION	WIRE SIZE	COND. SIZE	
3/4"	#12	SRLASH PAD **		-		-	1R-20	1	2	1R-20	-	-	-	-	-	SPARE(E)			
		SPARE(E)		-		-	1R-20	3	4	1R-15	-	-	-	-	-	SPARE(E)			
		SPARE(E)		-		-	1R-20	5	6	1R-20	-	-	-	-	-	EXISTING(E)			
		SPACE		-		-		7	8		-	-	-	1.00	-	SPACE			
		SPACE		-		-		9	10		-	-	-	-	-	SPACE			
		SPACE		-		-		11	12		-	-	-	-	-	SPACE			
		SPACE		-		-		13	14		-	-	-	-	-	SPACE			

EXISTING PANEL PA										3 Ø	4 W				
B Ø		15.28 [KVA (CONNECTED)]							120/240 VOLT						
C Ø		19.31 [KVA (CONNECTED)]							225 AMP BUS						
TOTAL		11.95 [KVA (CONNECTED)]							EXISTING A.I.C.						
TOTAL		48.94 [KVA (NEG 220)]	112 AMPS	118 AMPS	3P-225A M.C.B.		NOTES:		BREAKER INTERRUPT RATING:						
COND. SIZE	WIRE SIZE	LOAD DESCRIPTION RANGE(E)	KVA A Ø	KVA B Ø	KVA C Ø	C/B	CKT NO.	CKT NO.	C/B	KVA A Ø	KVA B Ø	KVA C Ø	LOAD DESCRIPTION	WIRE SIZE	COND. SIZE
			4.16			2P-50	1	2	2P-50	4.16			COMPRESSOR(E)		
		HOT WATER HEATER(E)		4.16		2P-50	3	4	1P-20		4.16				
					1.66	2P-20	5	6	1P-20			0.90	RECS TV(E)		
		REFRIGERATOR(E)	1.66			1P-20	9	10	1P-20	1.20			EXIT LIGHTS(E)		
		LIGHTING (SOUTH)(E)	0.90		1.20	1P-20	11	12	1P-20		1.20	1.20	OUTSIDE LIGHTS(E)		
		LIGHTING IN J/SIOR RM(E)	1.20			1P-20	13	14	1P-20	1.20			PATIO LIGHTS(E)		
		RECS EM LIGHT(E)		1.20		1P-20	15	16	1P-20		0.80		ENTRY LIGHTS(E)		
		KITCHEN REC(S)(E)			1.20	1P-20	17	18	1P-20		0.80	0.80	AHU HEAT STRIP(E)		
--	--	PANEL CHRISTMAS TREE *	-			2P-100	19	20	1P-20	0.80					
				1.00			21	22	2P-60		4.99				
		SPACE					23	24			4.99	4.99	SPARE(E)		
		SPACE					25	26	1P-20	0.90			EXISTING		
		SPACE					27	28	1P-20		0.90		EXISTING		
		SPACE			-		29	30			-		SPACE		
		SPACE			-		31	32			-		SPACE		
		SPACE		-	-		33	34		-	-		SPACE		
		SPACE			-		35	36					SPACE		
		SPACE			-		37	38					SPACE		
		SPACE			-		39	40		-	-		SPACE		
		SPACE			-		41	42		-	-		SPACE		

(E) - EXISTING CIRCUIT.

* - INSTALL NEW CIRCUIT BREAKER FOR EXISTING CIRCUIT AS INDICATED. EXISTING WIRES AND CONDUIT TO REMAIN

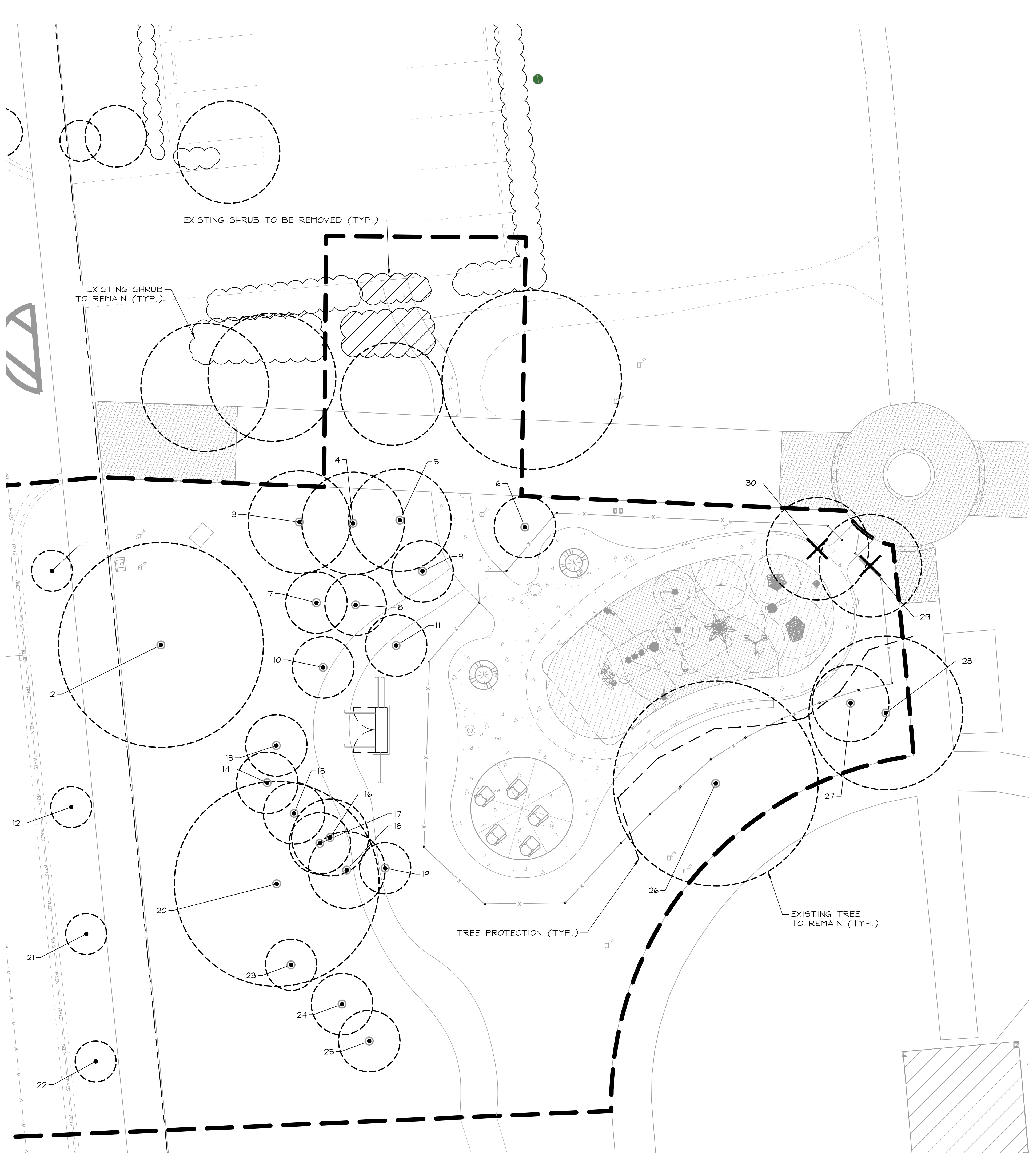
** - CONNECT CIRCUIT TO EXISTING 1P-20A SPARE BREAKER.

#ELECTRICAL KEYNOTES

1. RECONNECT ALL EXISTING CIRCUITS TO REPLACEMENT PANEL. CONNECT TO EXISTING WIRES AND CONDUIT. EXTEND WIRES AND CONDUIT AS REQUIRED. MATCH EXISTING SIZES.

Plotted By: Thomas-Copar, Kennedy, Street Set: Kelsey Park Splash Pad Layout: L0.00 TREE DISPOSITION May 14, 2026 07:21:06pm K:\WPD-LALP-044168012 - Kelsey Park Splash Pad\CAD\Plan\sheet\0.00 TREE DISPOSITION PLAN.dwg

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TREE DISPOSITION CHART						
NO.	COMMON NAME	BOTANICAL NAME	DBH (IN.)	HT (FT)	SPR (FT)	DISPOSITION
1	CHRISTMAS PALM	ADONIDIA MERRILLII		10	8	REMAIN
2	GUMBO LIMBO	BURSERA SIMARUBA	32	25	40	REMAIN
3	ROYAL PALM	ROYSTONEA REGIA		30	20	REMAIN
4	ROYAL PALM	ROYSTONEA REGIA		30	20	REMAIN
5	ROYAL PALM	ROYSTONEA REGIA		30	20	REMAIN
6	SABAL PALM	SABAL PALMETTO		25	12	REMAIN
7	SABAL PALM	SABAL PALMETTO		25	12	REMAIN
8	SABAL PALM	SABAL PALMETTO		25	12	REMAIN
9	SABAL PALM	SABAL PALMETTO		25	12	REMAIN
10	SABAL PALM	SABAL PALMETTO		25	12	REMAIN
11	SABAL PALM	SABAL PALMETTO		25	12	REMAIN
12	SILVER BUTTONWOOD	CONOCARPUS ERECTUS VAR. SERICEUS	3	10	8	REMAIN
13	SABAL PALM	SABAL PALMETTO		25	12	REMAIN
14	SABAL PALM	SABAL PALMETTO		25	12	REMAIN
15	SABAL PALM	SABAL PALMETTO		25	12	REMAIN
16	SABAL PALM	SABAL PALMETTO		25	15	REMAIN
17	SABAL PALM	SABAL PALMETTO		25	12	REMAIN
18	SABAL PALM	SABAL PALMETTO		25	15	REMAIN
19	SABAL PALM	SABAL PALMETTO		25	10	REMAIN
20	LIVE OAK	QUERCUS VIRGINIANA	20	30	40	REMAIN
21	SILVER BUTTONWOOD	CONOCARPUS ERECTUS VAR. SERICEUS	3	10	8	REMAIN
22	SILVER BUTTONWOOD	CONOCARPUS ERECTUS VAR. SERICEUS	3	10	8	REMAIN
23	SABAL PALM	SABAL PALMETTO		25	10	REMAIN
24	SABAL PALM	SABAL PALMETTO		25	12	REMAIN
25	SABAL PALM	SABAL PALMETTO		25	12	REMAIN
26	CLUSIA	CLUSIA ROSEA	13	25	40	REMAIN
27	SABAL PALM	SABAL PALMETTO		25	15	REMAIN
28	CLUSIA	CLUSIA ROSEA	12	20	30	REMAIN
29	CHRISTMAS PALM	ADONIDIA MERRILLII		20	20	REMOVE
30	CHRISTMAS PALM	ADONIDIA MERRILLII		20	20	REMOVE

KEY:

- TREE TO REMAIN
- TREE TO BE REMOVED
- TREE TO BE RELOCATED
- TREE TO BE PROTECTED PER DETAIL ON SHEET L0.01

ELEVATION

PLAN VIEW

CORNER CONNECTION

CONNECTION

Tree/Shrub Protector

Barrier Detail

NTS

① 6" PERIMETER PLUS® CONSTRUCTION FENCE BY CONWID PLASTICS OR OWNER'S REPRESENTATIVE APPROVED EQUAL. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO INSTALLATION.

② 8' TALL METAL 1" POSTS OR 2" x 2" x 8' PRESSURE TREATED WOOD POSTS WITH 24" BURIAL BELOW GRADE.

INSTALLATION NOTES:

A. POST SELECTION SHOULD BE BASED ON EXPECTED STRENGTH NEEDS AND THE LENGTH OF TIME FENCE WILL BE IN PLACE. FLEXIBLE FIBERGLASS ROD POSTS ARE RECOMMENDED FOR PARKS, ATHLETIC EVENTS AND CROWD CONTROL INSTALLATIONS. METAL 1" POSTS OR TREATED WOOD POSTS ARE TYPICALLY USED FOR CONSTRUCTION AND OTHER APPLICATIONS.

B. POSTS SHOULD BE DRIVEN INTO THE GROUND TO A DEPTH OF 1/4 OF THE HEIGHT OF THE POST. FOR EXAMPLE, A 8' POST SHOULD BE SET AT LEAST 2' INTO THE GROUND.

C. SPACE POSTS EVERY 6' (MIN.) TO 8' (MAX.).

D. SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM CONWID PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.

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

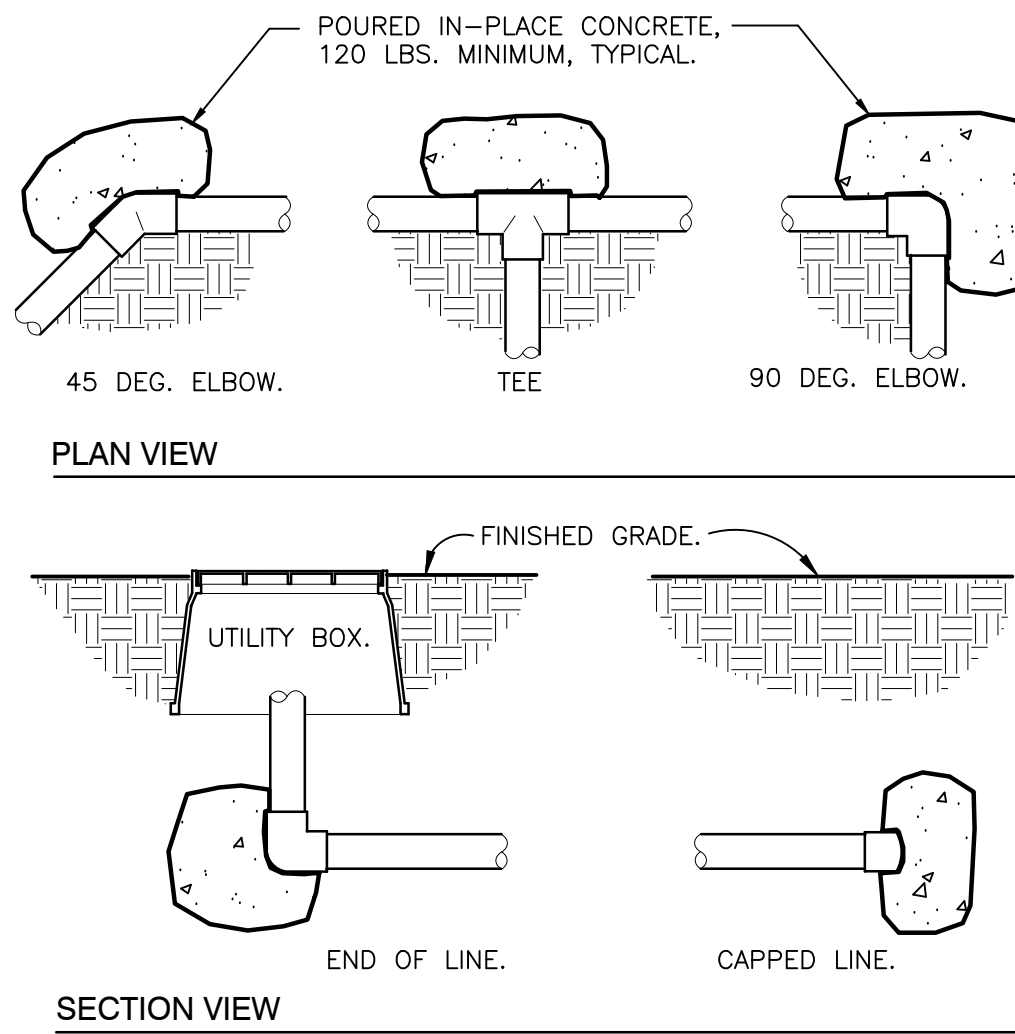
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GRAPHIC SCALE IN FEET

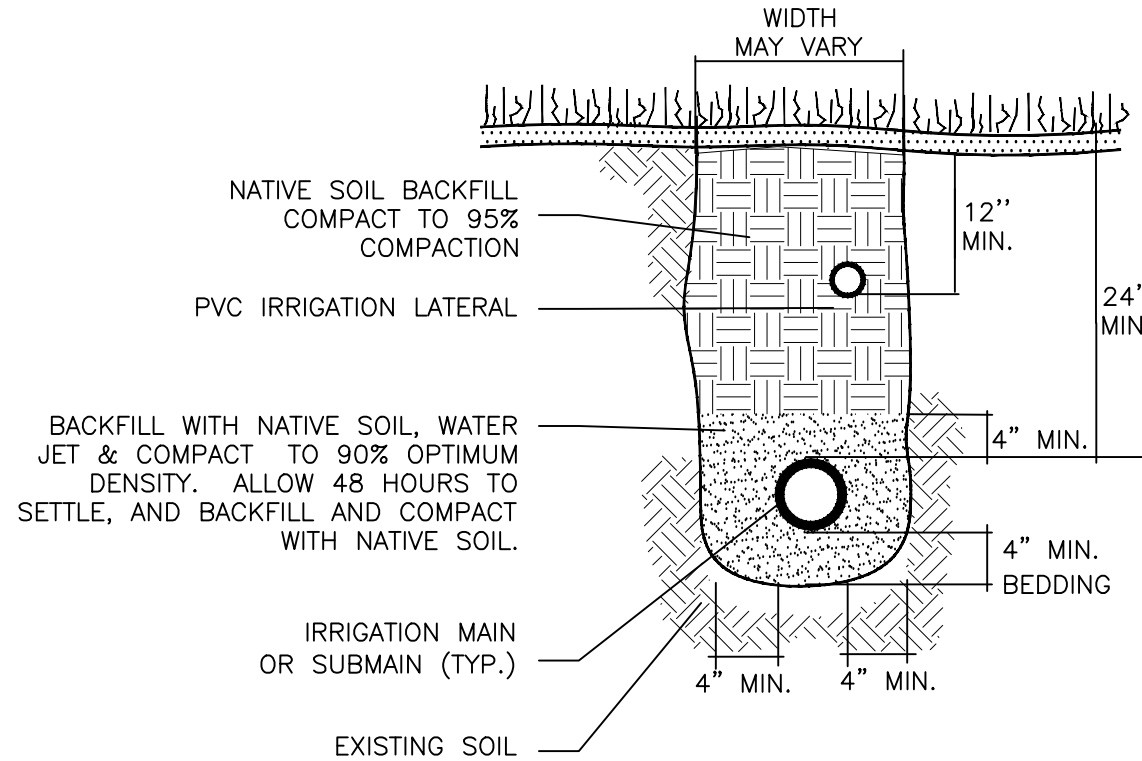
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KIMLEY-HORN AND ASSOCIATES, INC. 477 S ROSEMARY AVE STE 215 WEST PALM BEACH, FL 33401 PHONE: 561-840-0848 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106	L0.00		KIMLEY-HORN	JONATHAN D. HAIGH, PLA FL LICENSE NUMBER LA #6666795	DATE: _____	BY: _____				
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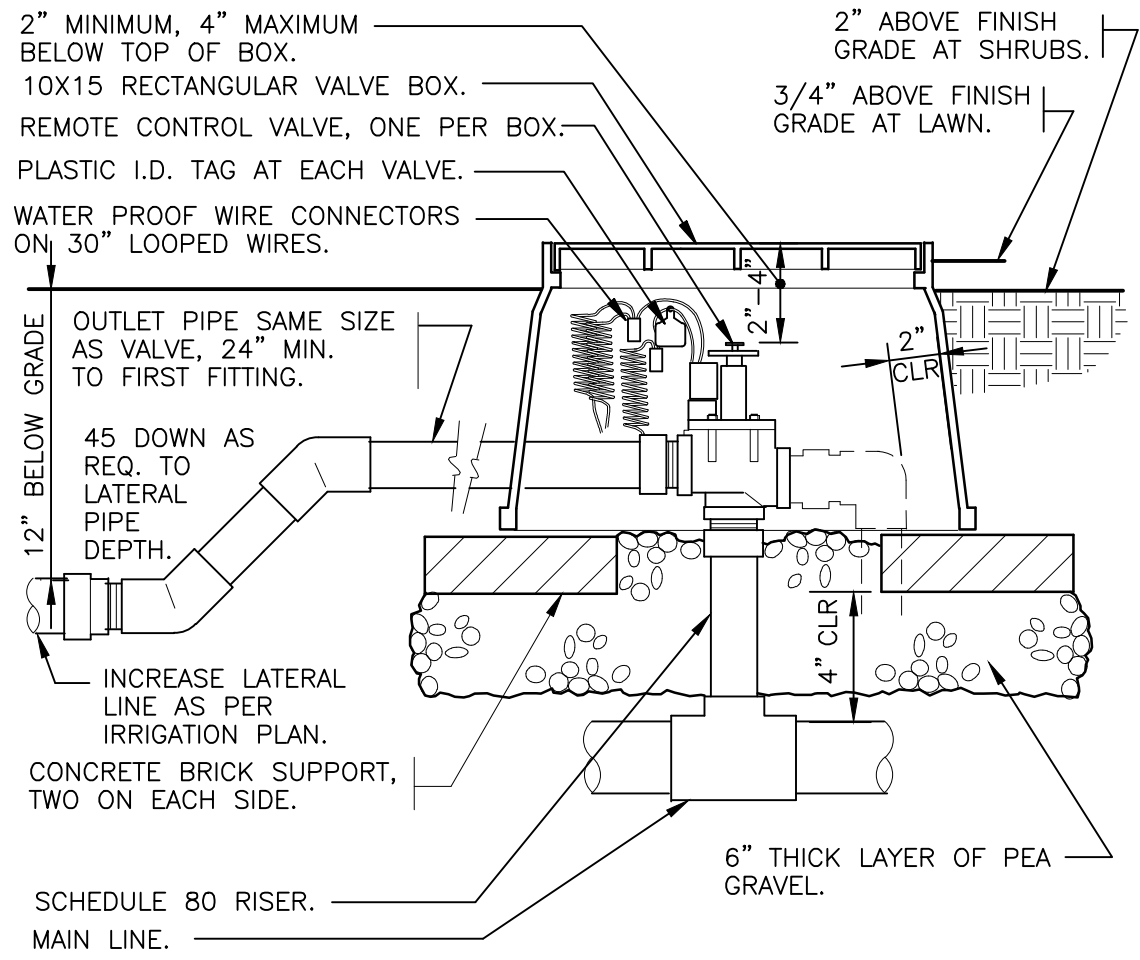
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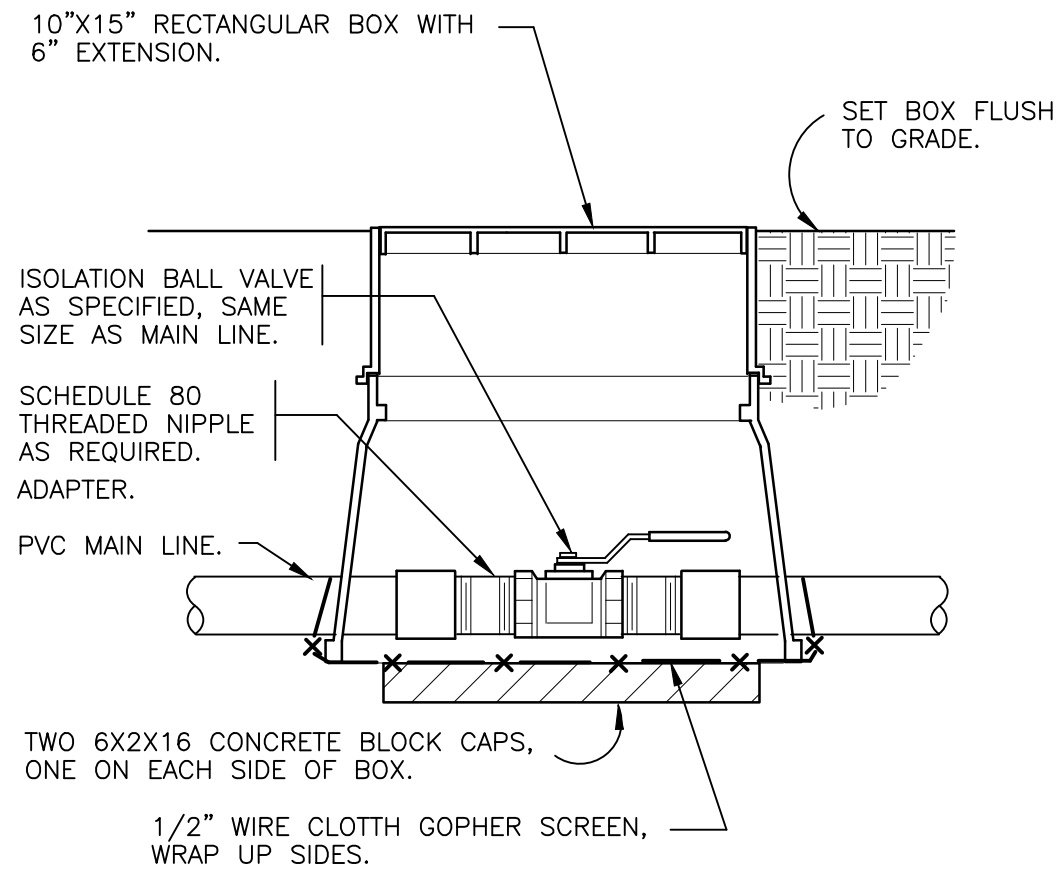
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3/4" = 1'-0" 32 8409.76-01



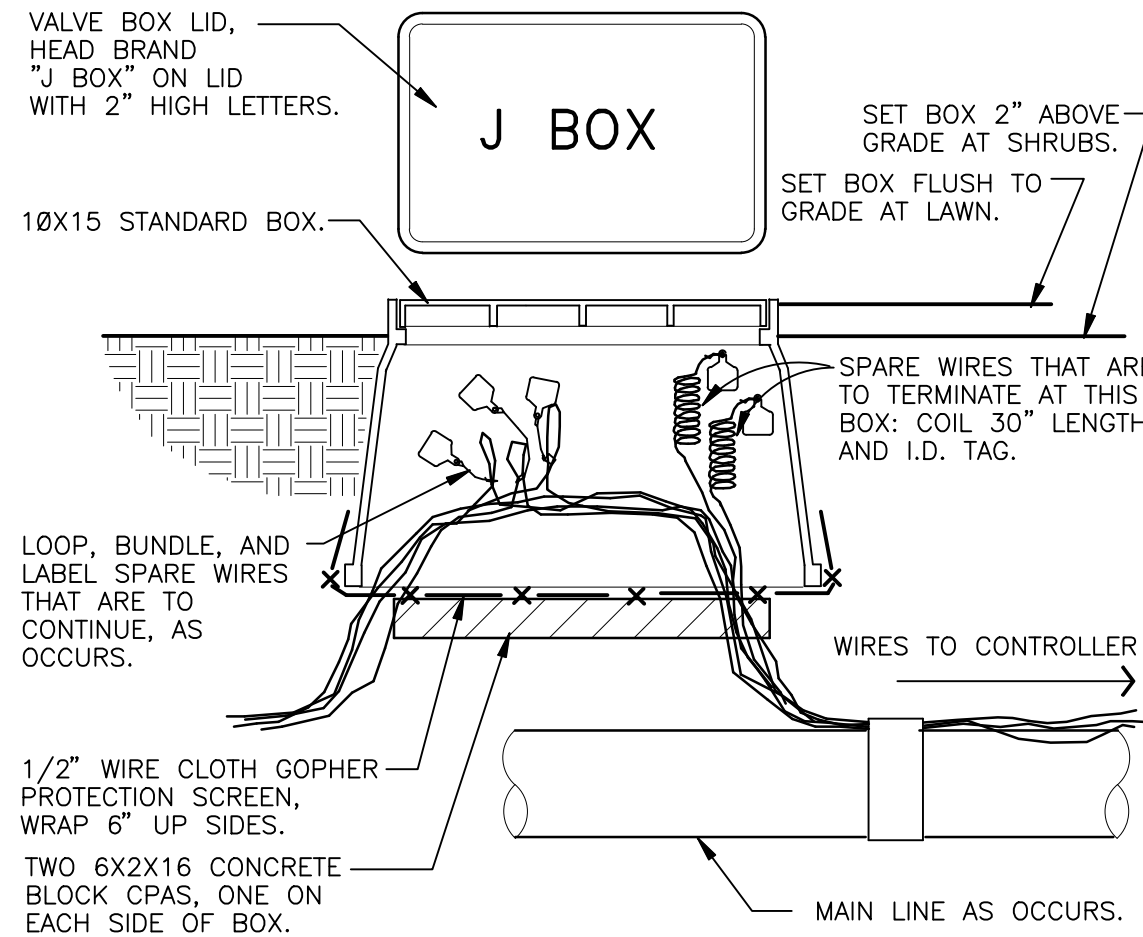
2 TRENCHING DETAIL
NOT TO SCALE 32 8409.76-03



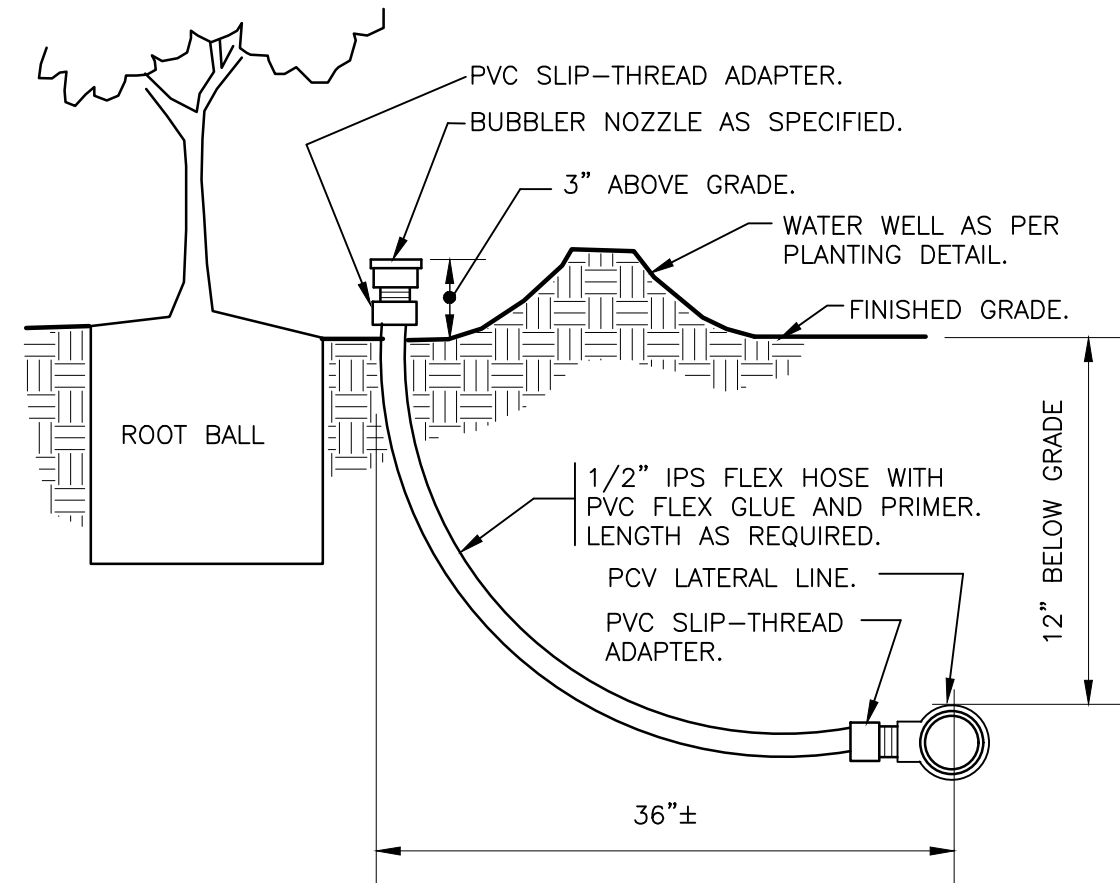
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1 1/2" = 1'-0" 32 8406.13-01



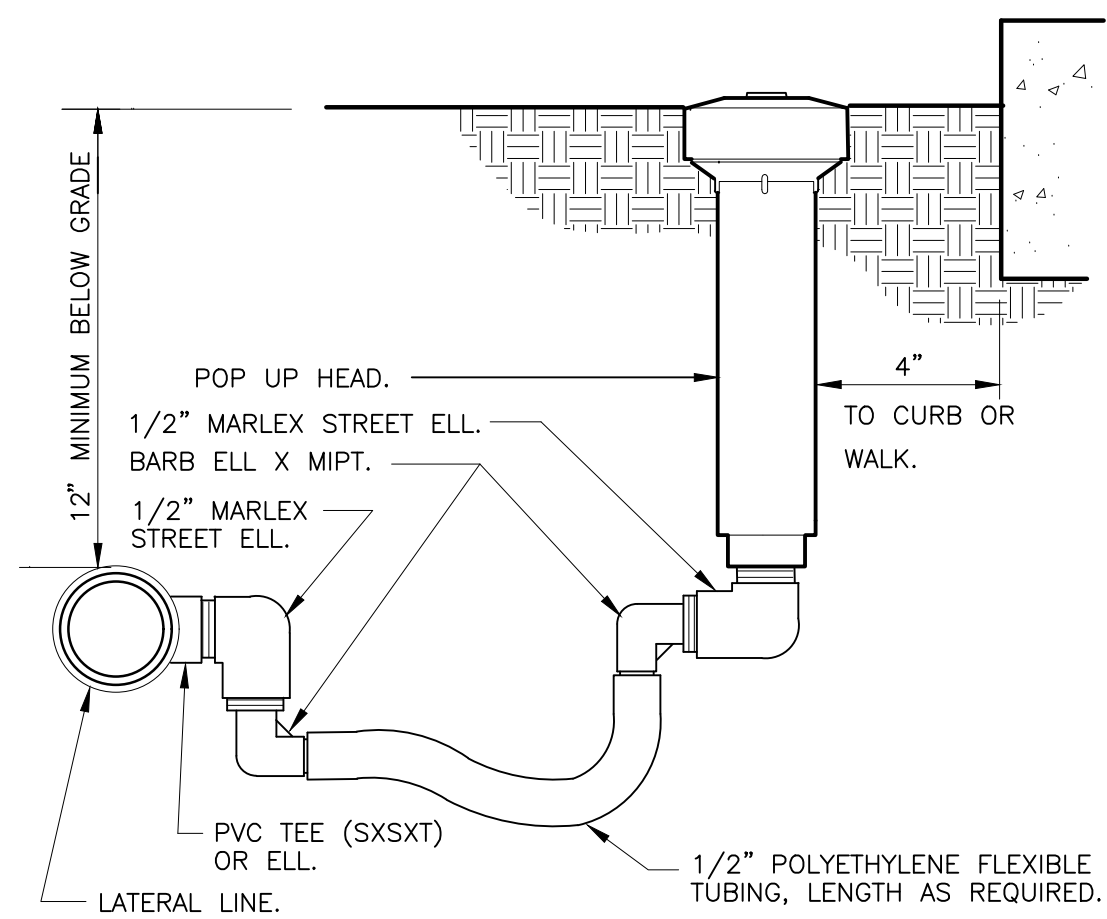
4 BRASS BALL ISOLATION VALVE
1 1/2" = 1'-0" 32 8406.33-02



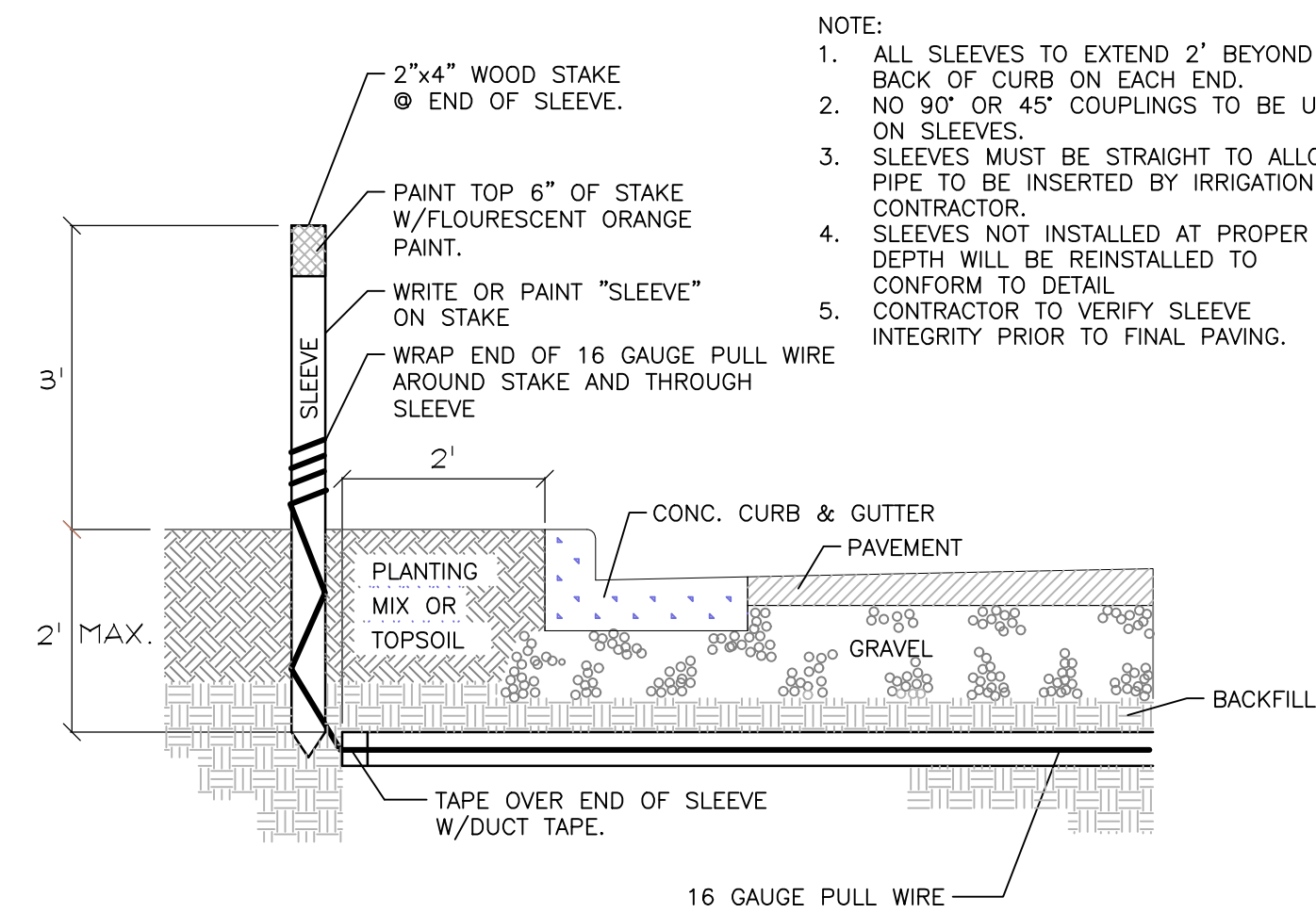
5 WIRE BUNDLE JUNCTION BOX
1 1/2" = 1'-0" 32 8409.79-01



6 BUBBLER ON FLEX HOSE RISER
3" = 1'-0" 32 8403.13-02



7 POP-UP SPRAY FLEX ASSEMBLY
3" = 1'-0" 32 8403.13-02



8 IRRIGATION SLEEVING
NTS

REVISIONS		BY
No.	DATE	

Kimley»Horn

© 2010 KIMLEY-HORN AND ASSOCIATES, INC.
477 S ROSEMARY AVE STE 215 WEST PALM BEACH, FL 33401
PHONE: 561-840-0848 FAX: 561-863-8175
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

LICENSED PROFESSIONAL	JONATHAN D. HAICH, PLA
KHA PROJECT 044168012	DATE MAY 2026
SCALE AS SHOWN	DESIGNED BY JDH
DRAWN BY KTC	CHECKED BY JDH
FL LICENSE NUMBER LA #6666795	DATE: -----

**KELSEY PARK
SPLASH PAD**
PREPARED FOR
TOWN OF LAKE PARK
LAKE PARK, FL

IRRIGATION DETAILS

SHEET NUMBER
L2.10

