

FINAL DEVELOPMENT PLAN FOR PARK PLACE CAR WASH ALACHUA COUNTY, FL

GOVERNING STANDARDS & SPECIFICATIONS:

FLORIDA DEPARTMENT OF TRANSPORTATION, CURRENT DESIGN STANDARDS AND REVISED INDEX DRAWINGS AS APPENDED HEREIN, AND CURRENT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AS AMENDED BY CONTRACT DOCUMENTS

ALACHUA COUNTY LAND DEVELOPMENT CODE OF ORDINANCES (JANUARY 2019)

GRU DESIGN STANDARDS AND CONSTRUCTION DETAILS (2018)

PROJECT INFORMATION

PROJECT NAME:	PARK PLACE CAR WASH EXPANSION
PROJECT DESCRIPTION:	THE PROPOSED EXPANSION TO PARK PLACE CAR WASH CONSISTS OF THE ADDITION OF A VACUUM FACILITY ALONGSIDE THE EXISTING CAR WASH. THIS IS A MODIFICATION OF A SET OF PLANS APPROVED IN 2006; IN PHASE 1 OF THE 2006 PROJECT, A SELF-SERVICE CAR WASH FACILITY, RETAINING WALL, AND STORMWATER MANAGEMENT FACILITY WERE CONSTRUCTED.
TAX PARCEL #:	06654-010-000
ADDRESS:	7404 NW 4TH BLVD, GAINESVILLE, FL 32607
SECTION/TOWNSHIP/RANGE:	S4, T10 SOUTH, R19 EAST
EXISTING LAND USE:	COMMERCIAL
PROPOSED LAND USE:	COMMERCIAL
FUTURE LAND USE:	COMMERCIAL
ZONING:	BUSINESS ORIENTED HIGHWAY (BH)
STORMWATER:	STORMWATER WILL BE MANAGED THROUGH THE MAINTENANCE OF ONE (1) EXISTING DRY STORMWATER MANAGEMENT FACILITY.
WETLANDS:	WETLANDS ARE NOT PRESENT WITHIN THE PROJECT SITE.
LIGHTING:	ADDITIONAL LIGHTING IS PROPOSED WITHIN THE PROJECT SITE.
LANDSCAPE/HARDSCAPING:	LANDSCAPING IMPROVEMENTS ARE PROPOSED. REFER TO THE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.
DRIVEWAY:	THE EXISTING DRIVEWAY CONNECTION TO NW 4TH BLVD WILL BE MAINTAINED.
FLOODPLAIN:	THERE ARE NO FLOODPLAIN IMPACTS WITHIN THE PROJECT SITE.

PARK PLACE CAR WASH
7404 NW 4TH BLVD
GAINESVILLE, FL 32607

SHEET LIST TABLE

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LS-4	LANDSCAPE TECHNICAL SPECIFICATIONS

GAINESVILLE REGIONAL UTILITIES REQUIREMENTS:

- ENGINEER'S CERTIFICATION STATEMENT:
"THE WATER, WASTEWATER AND RECLAIMED WATER SYSTEM DESIGN IS IN ACCORDANCE WITH GAINESVILLE REGIONAL UTILITIES DESIGN STANDARDS.

JEREMY WARREN, P.E.
FL. P.E. NO.: 81431

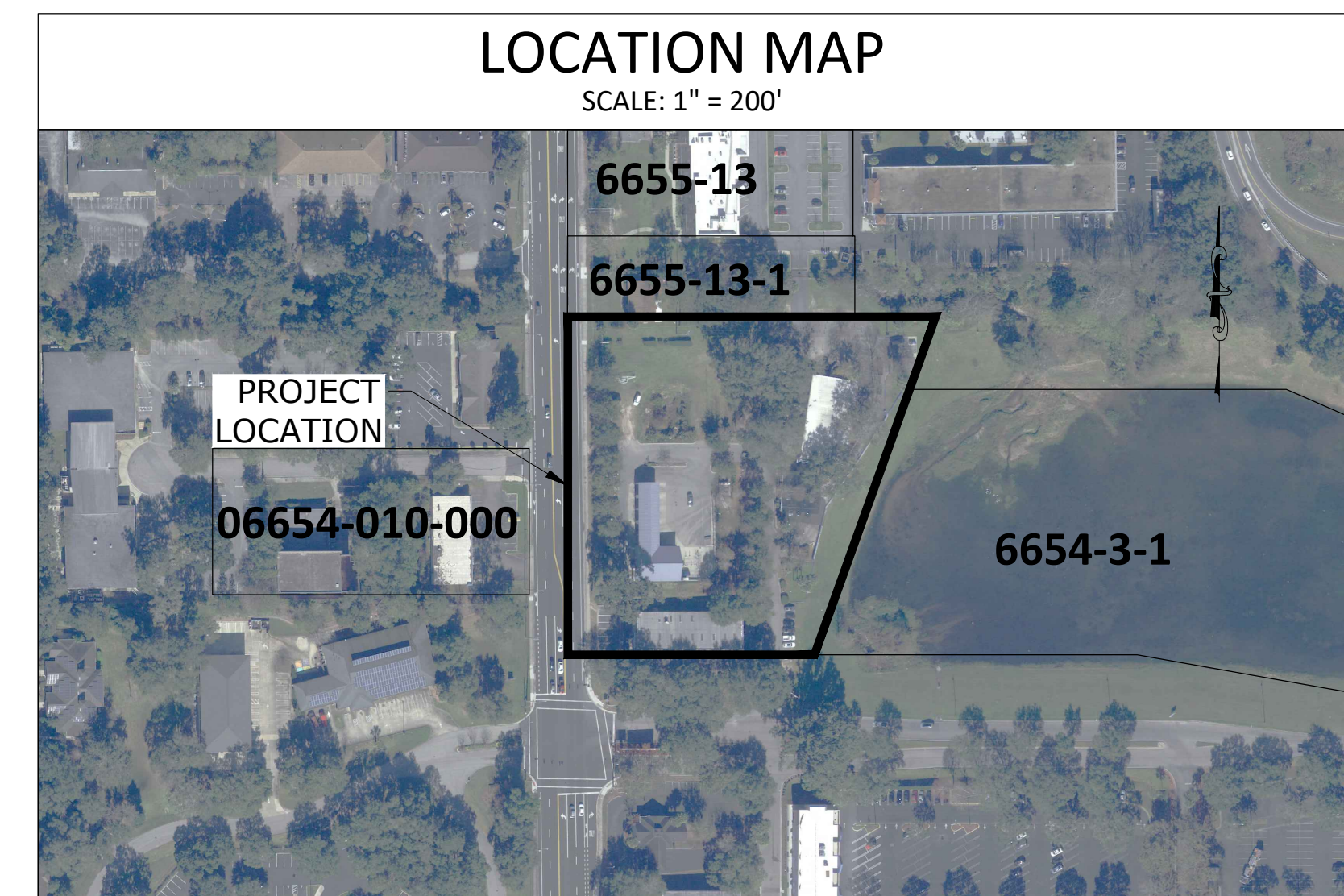
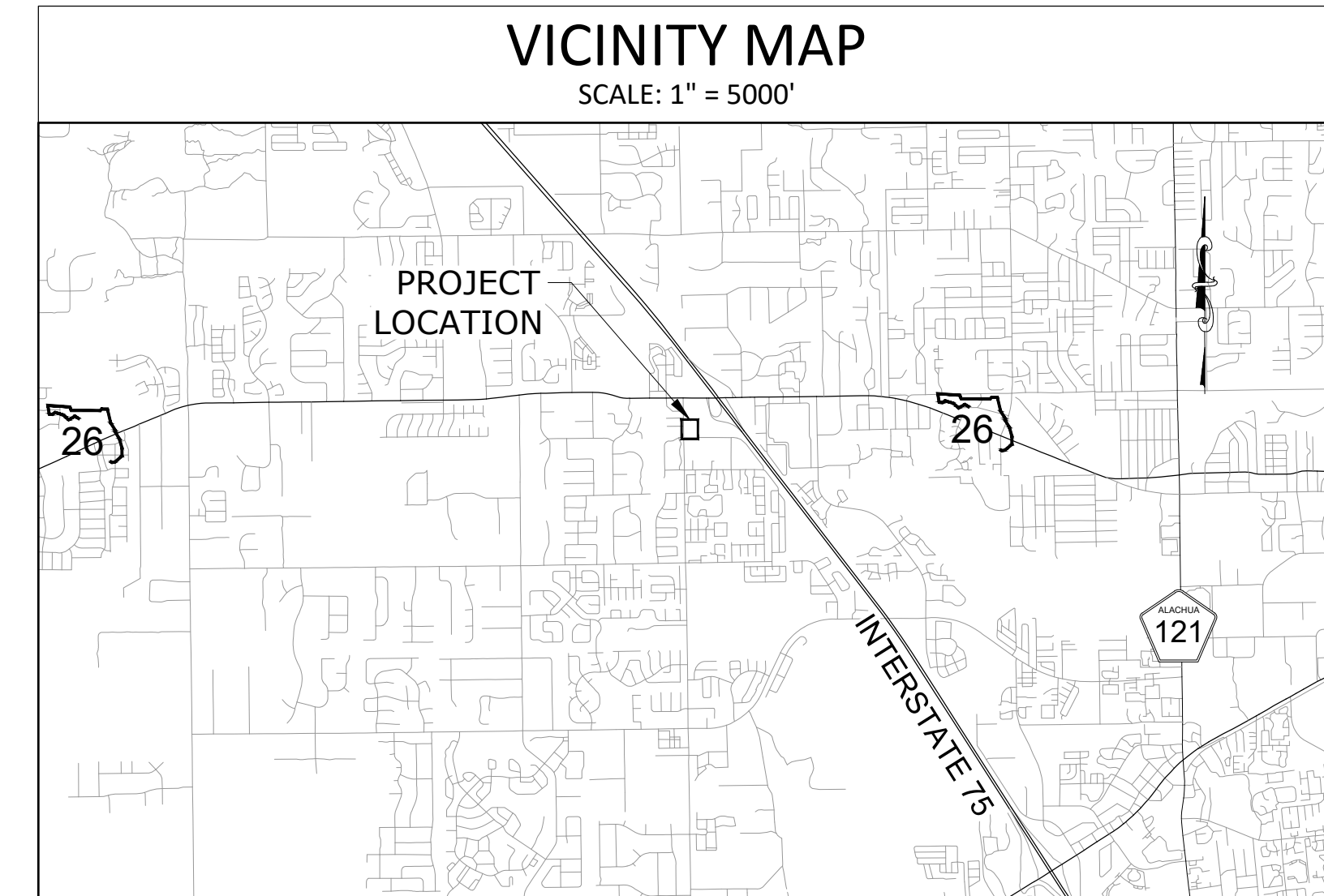
DATE: July 3, 2023

CONTACT INFORMATION:

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GAINESVILLE, FLORIDA 32609
DAVID DEREN 352-331-0010

CIVIL ENGINEERING
DRMP, INC.
706 SW 4TH AVENUE
GAINESVILLE, FLORIDA 32601
JEREMY WARREN, P.E. 352-371-2741

OWNER
PARK PLACE CAR WASH
7404 NW 4TH BLVD
GAINESVILLE, FLORIDA 32607
CARLOS SANTIAGO 941-961-5576



PARK PLACE CAR WASH ADDRESS: 7404 NW 4TH BLVD, GAINESVILLE, FL 32607



706 SW 4TH AVENUE, GAINESVILLE, FL 32601

JULY, 2023

DRMP PROJECT NO. 21-0781.000

NOTIFY UNDERGROUND UTILITIES, NOTIFICATION CENTER AT 1-800-432-4770 OR 811 AT LEAST 72 HOURS PRIOR TO START OF WORK.

"THE CONTACT INFORMATION PROVIDED ABOVE IS FOR INFORMATIONAL PURPOSES ONLY AND DOES NOT SATISFY THE REQUIREMENT OF CHAPTER 556, FLORIDA STATUTES, TO NOTIFY SUNSHINE STATE ONE CALL OF FLORIDA OF AN INTENT TO EXCAVATE OR DEMOLISH."

THIS SEAL AND SIGNATURE IS FOR ALL SHEETS EXCEPT LANDSCAPE SHEETS: LS-1, LS-2, LS-3 AND LS-4. LANDSCAPE SHEETS ARE BY SEPARATE SEAL AND SIGNATURE.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:



ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

NO.	DATE	DESCRIPTION	BY

DESIGNED BY	
DRAWN BY	
CHECKED BY	
APPROVED BY	

COVER SHEET

SITE ENGINEERING PLANS FOR
PARK PLACE CAR WASH
ALACHUA COUNTY, FLORIDA



DRMP, Inc.

PROJECT NO.:	21-0781.000
SCALE:	AS SHOWN
DATE:	JULY, 2023
DRAWING:	C0.00

C:\Projects\Projects21\21-0781.000_park_place_car_wash\plns\CO.00 COVER SHEET.dwg Plotted: Jul 03, 2023 8:13pm by jwarren

SITE GENERAL NOTES

- THE OVERALL SITE TOPOGRAPHIC AND BOUNDARY INFORMATION SHOWN HEREON WAS ORIGINALLY PREPARED BY DEREN LAND SURVEYING DATED 11/23/2021.
- 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.
- ALL PAVEMENT DIMENSIONS SHOWN ARE TO EDGE OF PAVEMENT, OR FACE OF CURB UNLESS OTHERWISE NOTED.
- ALL NEW TRAFFIC CONTROL DEVICES (SIGNS AND PAVEMENT MARKINGS) SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND FDOT STANDARDS.
- 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.
- ALL NON-CONFORMING SIGNS SHALL BE REMOVED FROM THE SITE.
- ALL WORK PERFORMED IN THE COUNTY RIGHT-OF-WAY SHALL BE IN COMPLIANCE WITH THE LATEST FDOT STANDARDS. PLEASE INFORM COUNTY INSPECTORS 24 HOURS PRIOR TO COMMENCING ANY WORK IN THE RIGHT-OF-WAY.
- CONTRACTOR TO REVIEW GEOTECHNICAL REPORT AND BORINGS PRIOR TO BIDDING THE PROJECT AND FOLLOW OUTLINED CONSTRUCTION TECHNIQUES.
- THE CONTRACTOR IS TO PREPARE THE SITE PRIOR TO BEGINNING ACTUAL CONSTRUCTION IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
- 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 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- ALL HANDICAP RAMPS SHALL COMPLY WITH ADA, STATE OF FLORIDA ACCESSIBILITY CODES AND STANDARDS, CITY OF GAINESVILLE STANDARDS, AND FLORIDA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.
- 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.
- CONTRACTOR TO GUARANTEE ALL WORK FOR A PERIOD OF ONE YEAR UNLESS OTHERWISE STIPULATED IN THE CONTRACT DOCUMENTS.

DEMOLITION GENERAL NOTES

- 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.
- 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.
- 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 THEIR WORK.

PAVING, GRADING, AND DRAINAGE GENERAL NOTES

- 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.
- ALL CONCRETE USED SHALL BE 3,000 PSI MINIMUM WITH FIBER REINFORCEMENT UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR IS RESPONSIBLE FOR EROSION/SEDIMENTATION CONTROL PRACTICES DURING CONSTRUCTION TO MINIMIZE ON-SITE EROSION/SEDIMENTATION AND TO PROTECT AGAINST DAMAGE TO OFF SITE PROPERTY.
- 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.
- 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.
- 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.
- EXCAVATION SHALL INCLUDE REMOVAL OF ALL MATERIALS AND STRUCTURES NECESSARY TO CONSTRUCT ROADWAY AND DRAINAGE FACILITIES TO THE APPROPRIATE LINE AND GRADE.
- CONTRACTOR SHALL BE EXTREMELY CAUTIOUS WHEN WORKING NEAR TREES WHICH ARE TO BE SAVED, WHETHER SHOWN ON THE PLANS OR DESIGNATED IN THE FIELD.
- 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.
- 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.
- 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.
- 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.
- 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.
- THE CONTRACTOR SHALL MAINTAIN IN THEIR POSSESSION A COPY OF THE WATER MANAGEMENT DISTRICT CONSTRUCTION PERMIT. HE SHALL BE RESPONSIBLE FOR ADHERENCE TO ALL CONDITIONS CONTAINED IN THE PERMIT.
- THE COST OF ALL TESTING OF COMPACTION AND OTHER REQUIRED TESTS SHALL BE PAID BY THE CONTRACTOR AND MADE AVAILABLE TO THE ENGINEER OF RECORD DURING SITE INSPECTIONS.
- 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.
- 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

- 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 GAINESVILLE 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.


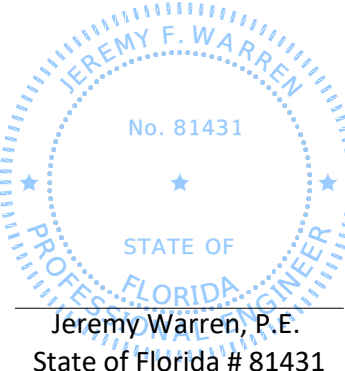
ENVIRONMENTAL GENERAL NOTES

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- ALL CONTROL STRUCTURE AND OUTFALL CULVERT INSTALLATIONS SHALL BE PROTECTED WITH SEDIMENT BARRIERS AT A MINIMUM.

ASBUILT NOTES

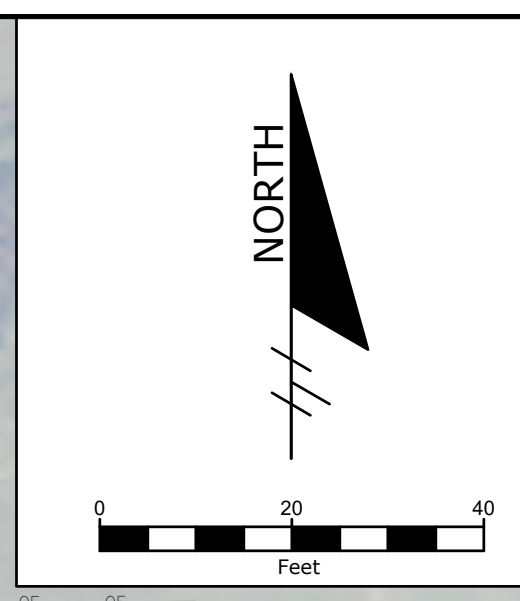
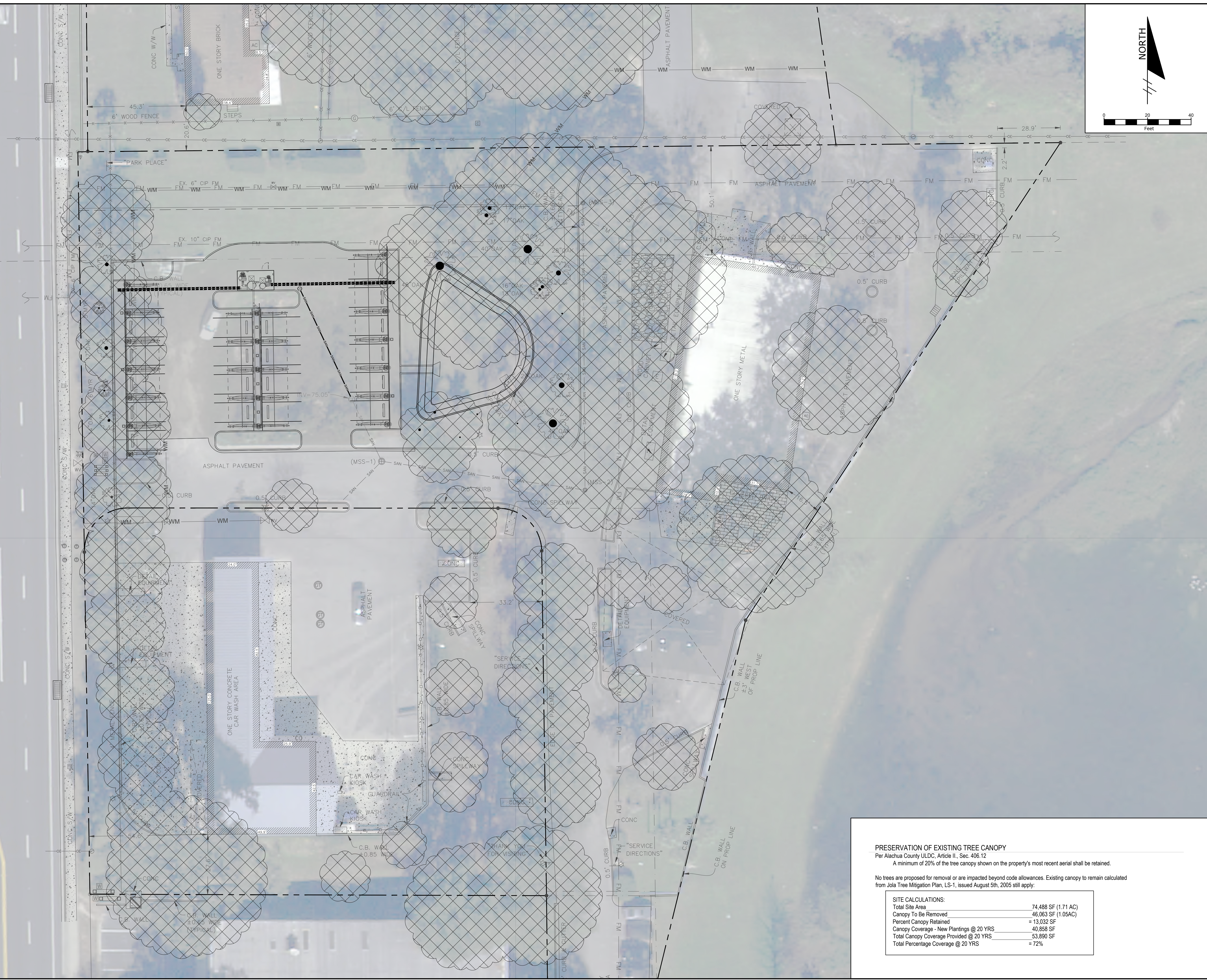
- SUBMITTAL OF AS-BUILT SITE SURVEY, INCLUDING BENCHMARKS, IS REQUIRED PRIOR TO SCHEDULING A FINAL INSPECTION FOR THE CITY, UTILITY COMPANY, AND THE WATER MANAGEMENT DISTRICT.
- AS-BUILT DRAWINGS SHALL BE PREPARED IN AUTOCAD FORMAT BY A FLORIDA REGISTERED LAND SURVEYOR. AN ELECTRONIC FILE OF THE PROJECT 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).
- PROVIDE BUILDING LOCATIONS, FINISH FLOOR ELEVATIONS, PAVEMENT GRADES AND ALL UNDERGROUND FACILITIES INCLUDED AS PART OF THE CONSTRUCTION DOCUMENTS.
- PROVIDE PERIMETER DIMENSIONS AT TOP OF BANK AND BOTTOM OF POND.
- PROVIDE ELEVATIONS AT TOP OF BANK, BOTTOM OF POND AND POND OUTFALL STRUCTURE(S).
- PROVIDE SPECIAL DETAIL DRAWINGS WHERE INSTALLATIONS WERE NOT AS SHOWN ON CONSTRUCTION DRAWINGS DUE TO FIELD CONDITIONS OR WHERE REQUIRED FOR CLARITY.
- LOCATE ALL PIPES AND PROVIDE SIZE, ELEVATION, INVERT ELEVATIONS, LENGTH AND TYPE.

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R E V I S I O N S	DESCRIPTION	BY
	NO.	DATE
DESIGNED BY	---	---
DRAWN BY	---	---
CHECKED BY	---	---
APPROVED BY	---	---
GENERAL NOTES		
SITE ENGINEERING PLANS FOR PARK PLACE CAR WASH ALACHUA COUNTY, FLORIDA		
DO NOT SCALE THIS DRAWING - DIMENSIONS AND NOTES TAKE PREFERENCE		
 DRMP, Inc. ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS Certificate of Authorization No. 2648 706 SW 4th Avenue - Gainesville, Florida 32601 Phone: 352.371.2741 Fax: 352.372.4318 www.drmp.com		
 No. 81431 STATE OF FLORIDA Jeremy Warren, P.E. State of Florida # 81431 PROJECT NO.: 21-0781.000 SCALE: AS SHOWN DATE: JUNE, 2023 DRAWING: CO.10		

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COUNTY ROAD NO. S.W. 29
N.W. 75th STREET
(RIGHT-OF-WAY VARIES)



PRESERVATION OF EXISTING TREE CANOPY
Per Alachua County ULDC, Article II, Sec. 406.12
A minimum of 20% of the tree canopy shown on the property's most recent aerial shall be retained.

No trees are proposed for removal or are impacted beyond code allowances. Existing canopy to remain calculated from Jola Tree Mitigation Plan, LS-1, issued August 5th, 2005 still apply:

SITE CALCULATIONS:	
Total Site Area	74,488 SF (1.71 AC)
Canopy To Be Removed	46,063 SF (1.05AC)
Percent Canopy Retained	= 13,032 SF
Canopy Coverage - New Plantings @ 20 YRS	40,858 SF
Total Canopy Coverage Provided @ 20 YRS	53,890 SF
Total Percentage Coverage @ 20 YRS	= 72%

NO.	DATE	DESCRIPTION	BY

DESIGNED BY: ---
DRAWN BY: ---
CHECKED BY: ---
APPROVED BY: ---

TREE CANOPY PRESERVATION PLAN

SITE ENGINEERING PLANS FOR
PARK PLACE CAR WASH
ALACHUA COUNTY, FLORIDA

DO NOT SCALE THIS DRAWING - DIMENSIONS AND NOTES TAKE PREFERENCE

DRMP, Inc.

Certificate of Authorization No. 2648
706 SW 4th Avenue - Gainesville, Florida 32601
Phone: 352.371.2741 Fax: 352.372.4318 www.drmp.com

Jeremy Warren, P.E.
State of Florida # 81431

PROJECT NO.: **21-0781.000**

SCALE: **AS SHOWN**

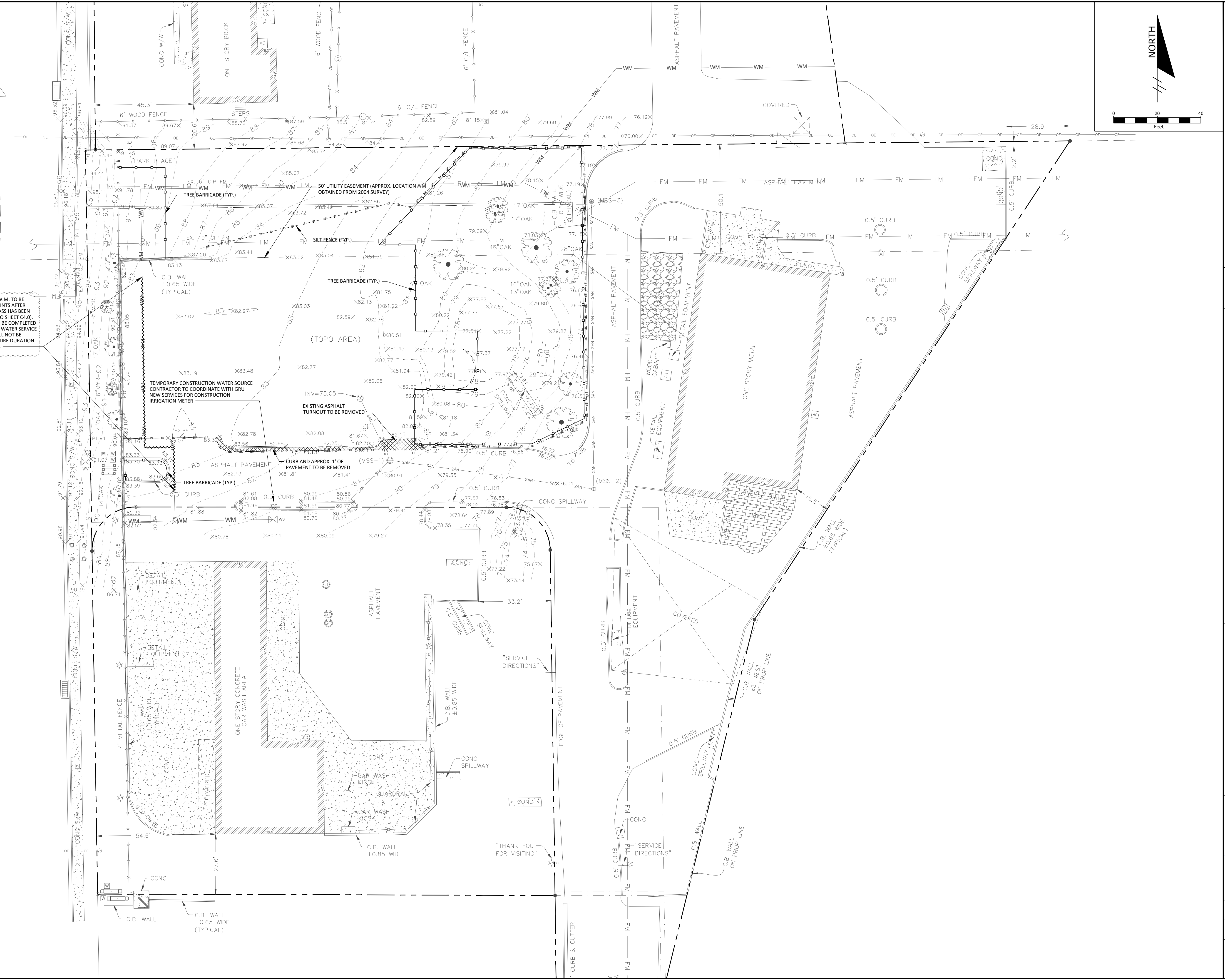
DATE: **JUNE, 2023**

DRAWING: **CO.50**

C:\Projects\projects21\21-0781.000_park_place_car_wash_demolition\DWG\C1.00 DEMOLITION PLAN.dwg Plotted: Jul 03, 2023 - 8:14pm by jwarren

COUNTY ROAD NO. S.W. 29
N.W. 75th STREET
(RIGHT-OF-WAY VARIES)

112 L.F. OF EXISTING 8" D.I.P. W.M. TO BE REMOVED BETWEEN THESE POINTS AFTER PROPOSED WATER MAIN BY-PASS HAS BEEN PLACED INTO SERVICE (SEE ALSO SHEET C4.0). WATER MAIN REMOVAL SHALL BE COMPLETED PER FDOT SPECIFICATION 110. WATER SERVICE TO EXISTING CUSTOMERS SHALL NOT BE INTERRUPTED DURING THE ENTIRE DURATION OF CONSTRUCTION ACTIVITIES.



REVISIONS	
NO.	DATE
1	05/15/2023
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DESIGNED BY	---
DRAWN BY	---
CHECKED BY	---
APPROVED BY	---

DEMOLITION PLAN

SITE ENGINEERING PLANS FOR
PARK PLACE CAR WASH
ALACHUA COUNTY, FLORIDA

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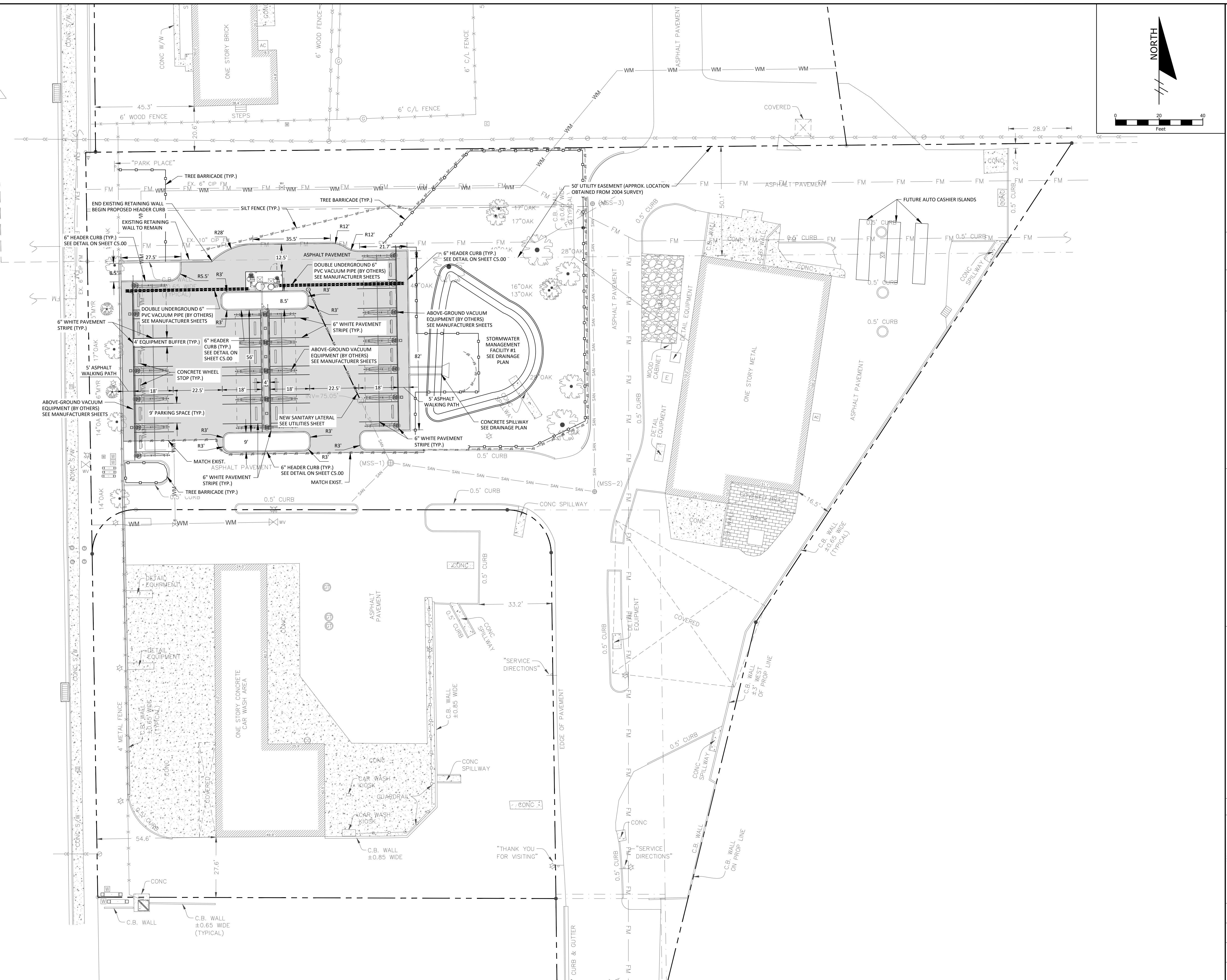
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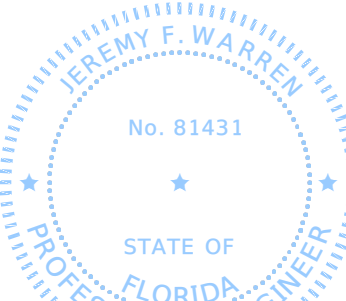
STATE OF FLORIDA
No. 81431
JEREMY F. WARREN
P.E.
State of Florida # 81431
PROJECT NO.:
21-0781.000
SCALE:
AS SHOWN
DATE:
JUNE, 2023
DRAWING:
C1.00

C:\Projects\projects21\21-0781.000_park_place_car_wash\DWG\C2.00 SITE GEOMETRY AND MARKING PLAN.dwg Plotted: Jul 03, 2023 8:14pm by jwarren

COUNTY ROAD NO. S.W. 29
N.W. 75th STREET
(RIGHT-OF-WAY VARIES)



SITE ENGINEERING PLANS FOR		SITE GEOMETRY AND MARKING PLAN	
PARK PLACE CAR WASH		ALACHUA COUNTY, FLORIDA	
DO NOT SCALE THIS DRAWING - DIMENSIONS AND NOTES TAKE PREFERENCE			
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CHECKED BY			
APPROVED BY			

 DRMP, Inc. <small>ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS</small>	Certificate of Authorization No. 2648 706 SW 4th Avenue - Gainesville, Florida 32601 Phone: 352.371.2741 Fax: 352.372.4318 www.drmp.com
	 Jeremy Warren, P.E. State of Florida # 81431 PROJECT NO.: 21-0781.000
SCALE:	AS SHOWN
DATE:	JUNE, 2023
DRAWING:	C2.00

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COUNTY ROAD NO. S.W. 29
N.W. 75th STREET
(RIGHT-OF-WAY VARIES)

NW 75th St.

PARCEL 06655-013-000
7451 W. NEWBERRY RD.
GAINESVILLE, FL 32607

LAND USE: MOTEL
ZONED: BH

PARCEL 06655-013-001
7423 W. NEWBERRY RD.
GAINESVILLE, FL 32607

LAND USE: SFR
CURRENT ZONING: R-1B
TO BE RE-ZONED BH AS OF
AUGUST 8 OR AUGUST 22

SECURITY QUARTERS. SEE SECTION 404.25
OF THE LAND DEVELOPMENT CODE

PARCEL 06654-010-000
7404 NW 4TH BLVD.
GAINESVILLE, FL 32607

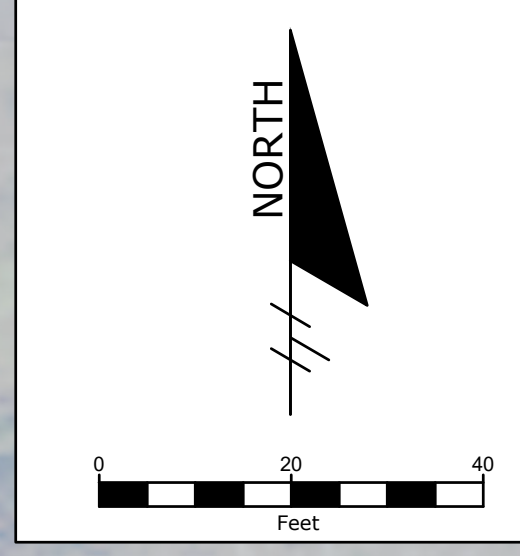
LAND USE: SERVICE SHOP
ZONED: BH

50' UTILITY EASEMENT (APPROX. LOCATION
OBTAINED FROM 2004 SURVEY)

Sec. 404.25. - Security quarters.

Security quarters are allowed as an accessory use in the RM, RM-1, RP, AP, BP, HM, BR, BR-1, BH, BA, BA-1, BW, ML, MS, MP, and MB districts and in traditional neighborhood and TODs. A single unit may be permitted on the premises of the principal use, subject to the following standards. In addition, security quarters are allowed in the A, A-RB, C-1, RE, RE-1, R-1a, R-1a, R-1b, R-1c, R-2, R-2a, and R-3 districts for government buildings and facilities, subject to development plan review and the additional standards in Subsection (c) of this Section.

- (a) Location. A security quarters may be attached or detached from a principal structure and may be a manufactured home.
- (b) Standards. Each security quarters shall comply with all standards applicable within the zoning district, including required setbacks and building height limits.
- (c) Additional standards for government facilities in other districts.
 - (1) Property size. The property on which the principal use is located must be at least five (5) acres.
 - (2) Location and screening. Where the property is adjacent to existing residential uses or parcels with residential zoning, the appropriate location and screening requirements necessary to minimize impacts to residential areas shall established by the DRC.



NO.	DATE	DESCRIPTION	BY

DESIGNED BY: ---
 DRAWN BY: ---
 CHECKED BY: ---
 APPROVED BY: ---

SITE ENGINEERING PLANS FOR
**PARK PLACE
 CAR WASH**
 ALACHUA COUNTY, FLORIDA



DRMP, Inc.
 Certificate of Authorization No. 2648
 706 SW 4th Avenue - Gainesville, Florida 32601
 Phone: 352.371.2741 Fax: 352.372.4316 www.drmp.com

STATE OF FLORIDA
 No. 81431
 JEREMY F. WARREN
 State of Florida # 81431
 PROJECT NO.:
 21-0781.000

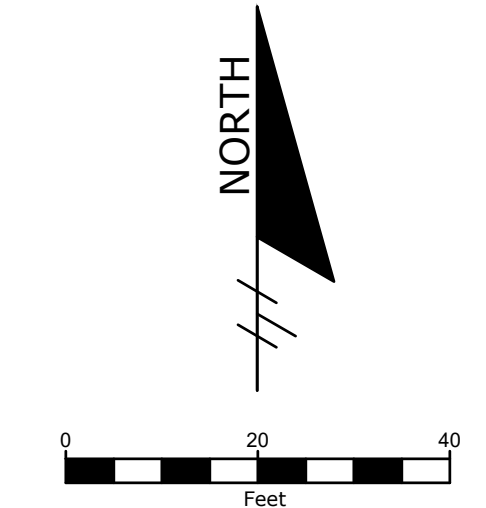
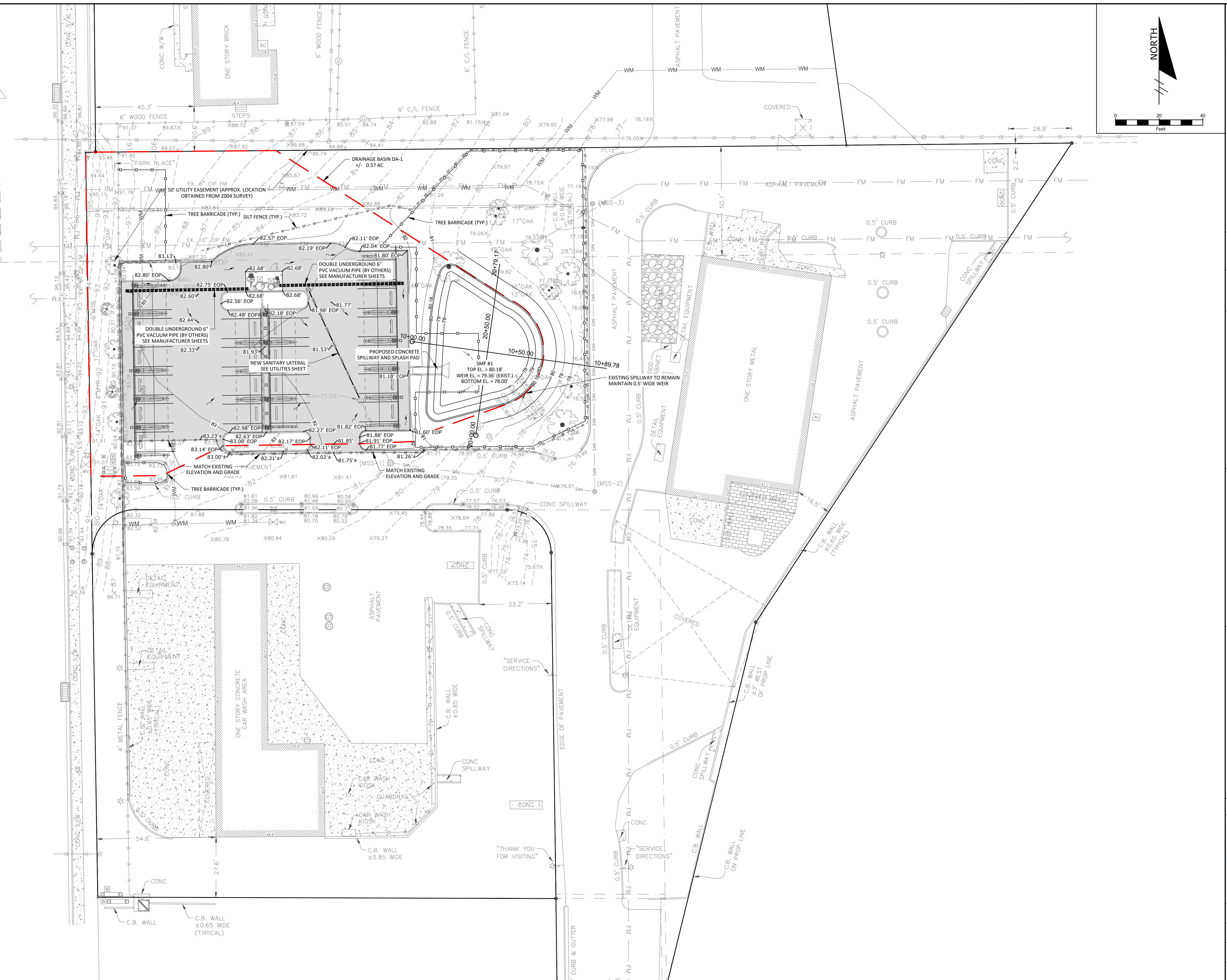
SCALE:
 1" = 20'

DATE:
 JUNE, 2023

DRAWING:
 C2.01

C:\Projects\projects21\21-0781.000_park_place_car_wash\DWGs\C3.00 PAVING, GRADING AND DRAINAGE PLAN.dwg Plotted: Jul 03, 2023 - 8:15pm by jwarren

COUNTY ROAD NO. S.W. 29
N.W. 75th STREET
(RIGHT-OF-WAY VARIES)



SITE ENGINEERING PLANS FOR		PAVING, GRADING AND DRAINAGE PLAN	
PARK PLACE		CAR WASH	
ALACHUA COUNTY, FLORIDA		DO NOT SCALE THIS DRAWING - DIMENSIONS AND NOTES TAKE PREFERENCE	
DESIGNED BY	---	DATE	---
DRAWN BY	---	CHECKED BY	---
APPROVED BY	---	DESCRIPTION	---
NO.	---	BY	---

DRMP
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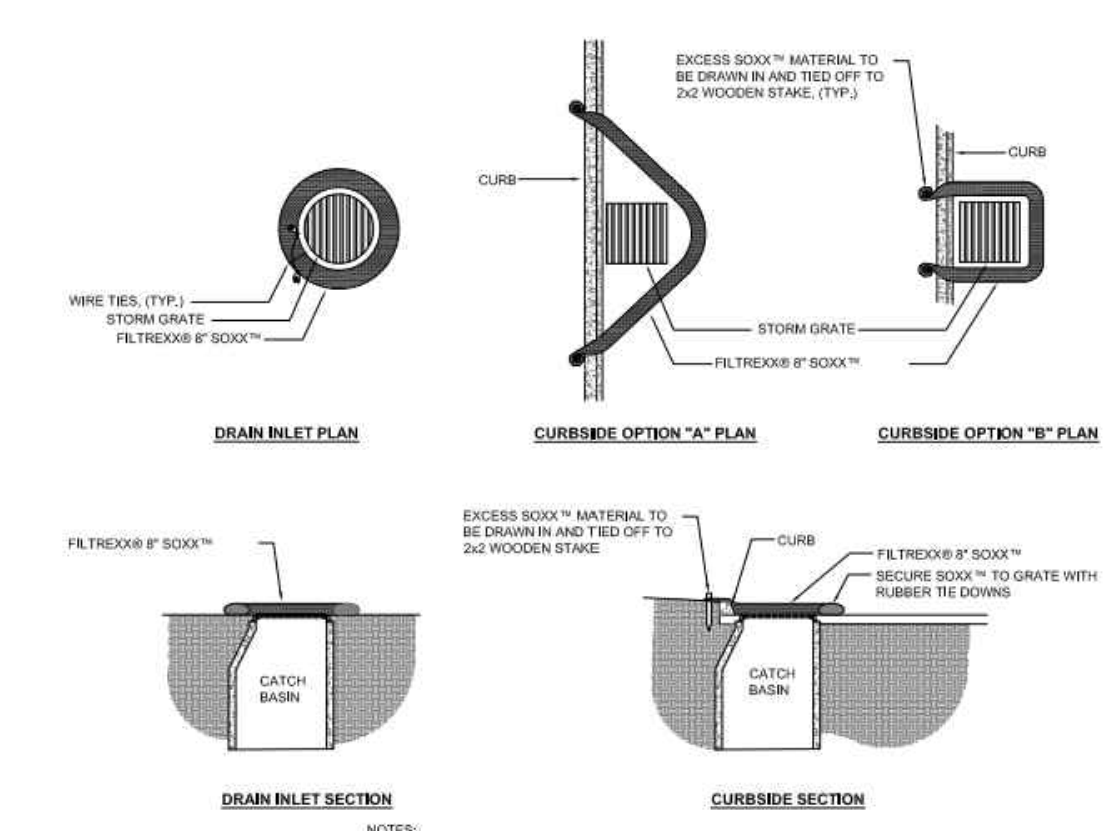
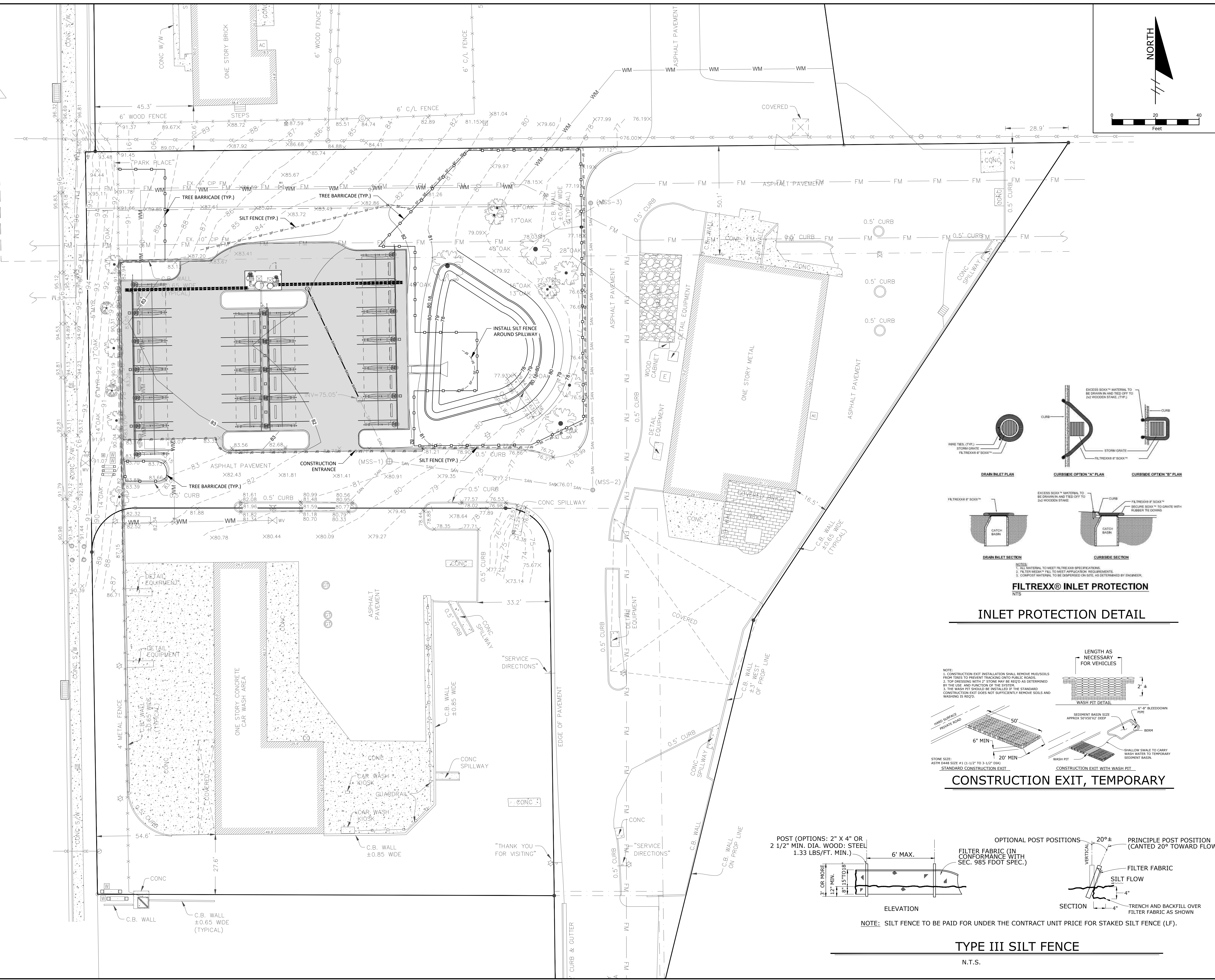
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DRAWING:
C3.00

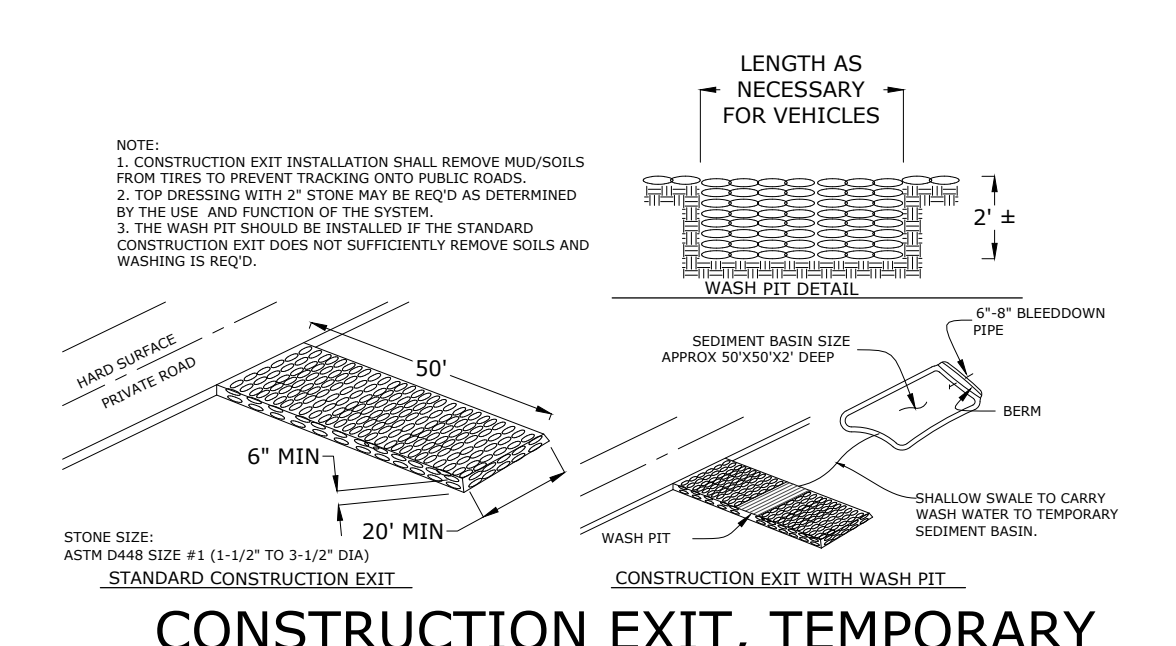
C:\Projects\projects21\21-0781_000_park_place_car_wash\plans\DWG\C3.10 STORMWATER POLLUTION PREVENTION PLAN.dwg Plotted: Jul 03, 2023 - 8:15pm by jwarren

COUNTY ROAD NO. S.W. 29
N.W. 75th STREET
(RIGHT-OF-WAY VARIES)

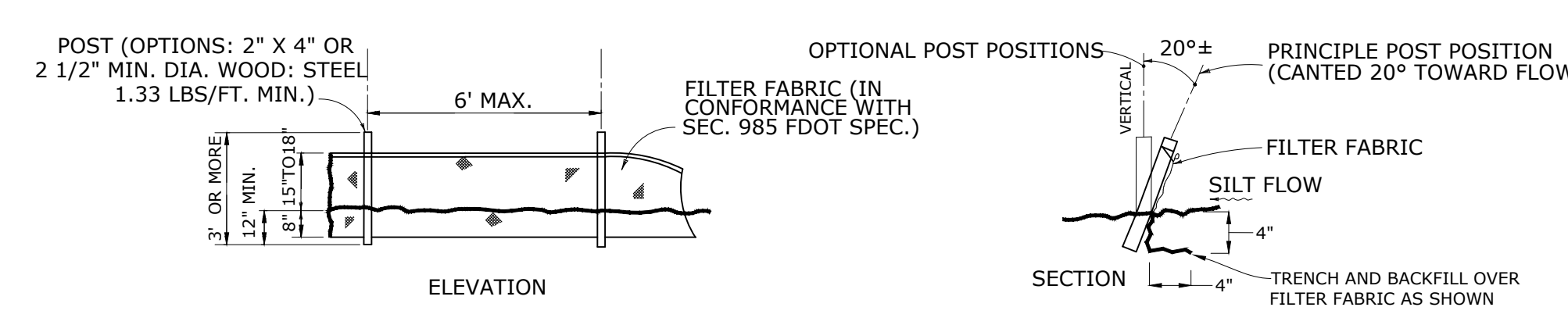


FILTREXX® INLET PROTECTION
NTS

INLET PROTECTION DETAIL



CONSTRUCTION EXIT, TEMPORARY



TYPE III SILT FENCE
N.T.S.

REVISIONS		DESIGNED BY		DRAWN BY		CHECKED BY		APPROVED BY	
NO.	DATE	---	---	---	---	---	---	---	---

STORMWATER POLLUTION PREVENTION PLAN

SITE ENGINEERING PLANS FOR **PARK PLACE CAR WASH**

ALACHUA COUNTY, FLORIDA

DO NOT SCALE THIS DRAWING - DIMENSIONS AND NOTES TAKE PREFERENCE

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STATE OF FLORIDA
No. 81431
Jeremy Warren, P.E.
State of Florida # 81431
PROJECT NO.: 21-0781.000
SCALE: AS SHOWN
DATE: JULY, 2023
DRAWING: C3.10

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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: 04 / 10 / 19
COUNTY PARCEL NO.: 06654-010-000 (2.05 ACRES)
LATITUDE & LONGITUDE: LAT: N 29° 39' 26.75", LONG: W 82° 25' 18.93"
STREET ADDRESS: 7404 NW 4TH BLVD, GAINESVILLE, FL 32607
PROJECT AREA: 24,607 SF (0.56 ACS)
SITE LOCATION MAP: SEE COVER SHEET

SITE DEVELOPMENT DATA INFORMATION:	ACRES	SQUARE FEET	PERCENT OF TOTAL
PROJECT AREA	0.56	24,607	100.0%
PARKING AREA	0.26	11,266	45.8%
STORMWATER AREA (SMF-1)	0.06	2,607	10.6%
OPEN SPACE AREA	0.24	10,734	43.6%

A MODIFICATION TO THE EXISTING DRY RETENTION SMF TO THE EAST OF THE NEW BUILDING IS PROPOSED.

SEQUENCE OF MAJOR ACTIVITIES:

THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS:

- INSTALL STABILIZED CONSTRUCTION ENTRANCE
- INSTALL SILT FENCES AND INLET PROTECTION 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 INLET PROTECTION, 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 C3.10 HAS BEEN PREPARED TO INSTRUCT THE CONTRACTOR ON PLACEMENT OF THESE CONTROLS. IT IS THE CONTRACTOR'S 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 UPSLOPE 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 CONTRACTOR'S RESPONSIBILITY TO IMPLEMENT THE EROSION AND TURBIDITY CONTROLS AS SHOWN OF THE SEDIMENT AND EROSION CONTROL PLAN. IT IS ALSO THE CONTRACTOR'S 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 GRASSINGS.
- 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 HYDRONULCHED 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.

MAINTENANCE / INSPECTION PROCEDURES - CONTINUED

* DIVERSION DIKES/SWALES WILL BE INSPECTED AND ANY BREACHES PROMPTLY REPAIRED.

* TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.

* A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION. A COPY OF THE REPORT FORM SHALL BE COMPLETED BY THE INSPECTOR. THE REPORTS WILL BE KEPT ON SITE DURING CONSTRUCTION AND AVAILABLE UPON REQUEST TO THE OWNER, ENGINEER OR ANY FEDERAL, STATE OR LOCAL AGENCY APPROVING SEDIMENT AND ANY EROSION PLANS, OR STORM WATER MANAGEMENT PLANS. THE REPORTS SHALL BE MADE AND RETAINED AS PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR AT LEAST THREE YEARS FROM THE DATE THAT THE SITE IS FINALLY STABILIZED AND THE NOTICE OF TERMINATION IS SUBMITTED. THE REPORTS SHALL IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE.

* THE SITE SUPERINTENDENT WILL SELECT UP TO THREE INDIVIDUALS WHO WILL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES, AND FILLING OUT THE INSPECTION AND MAINTENANCE REPORT.

* PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES WILL RECEIVE TRAINING FROM THE SITE SUPERINTENDENT. THEY WILL BE TRAINED IN ALL THE INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ONSITE IN GOOD WORKING ORDER.

NON-STORM WATER DISCHARGES

* IT IS EXPECTED THAT THE FOLLOWING NON-STORM WATER DISCHARGES WILL OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD:

* WATER FROM WATER LINE FLUSHING

* PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED).

* UNCONTAMINATED GROUNDWATER (FROM DEWATERING EXCAVATION).

ALL NON-STORM WATER DISCHARGES WILL BE DIRECTED TO THE SEDIMENT BASIN PRIOR TO DISCHARGE.

CONTRACTORS

ALL CONTRACTORS AND/OR SUBCONTRACTORS RESPONSIBLE FOR IMPLEMENTING THE PLAN SHALL SIGN THE CERTIFICATION STATEMENT BEFORE STARTING CONSTRUCTION ACTIVITIES OF THE PROJECT. THE CERTIFICATION MUST INCLUDE THE NAME AND TITLE OF THE PERSON PROVIDING THE SIGNATURE, THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE CONTRACTING FIRM, THE ADDRESS OF THE SITE AND THE DATE THE CERTIFICATION IS MADE. THE OWNER SHALL KEEP THESE CERTIFICATIONS AS PART OF THIS POLLUTION PLAN. MULTIPLE COPIES OF THE CERTIFICATION STATEMENT MAY BE NECESSARY DEPENDING UPON THE NUMBER OF SUBCONTRACTORS ASSOCIATED WITH THE PROJECT.

CERTIFICATION STATEMENT
"I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND AND SHALL COMPLY WITH THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED THEREUNDER."

CONTRACTING FIRM: _____
ADDRESS: _____
CITY, STATE, ZIP CODE: _____
TELEPHONE: _____
FAX: _____
PROJECT NAME: _____
PROJECT ADDRESS: _____
CITY, STATE, ZIP CODE: _____

NAME: _____ SIGNATURE: _____ DATE: _____

NO.	DATE	DESCRIPTION	BY

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
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STORMWATER POLLUTION PREVENTION NOTES

SITE ENGINEERING PLANS FOR
PARK PLACE CAR WASH
ALACHUA COUNTY, FLORIDA
DO NOT SCALE THIS DRAWING - DIMENSIONS AND NOTES TAKE PREFERENCE

Certificate of Authorization No. 2648
706 SW 4th Avenue - Gainesville, Florida 32601
Phone: 352.371.2741 Fax: 352.372.4316 www.drmp.com

DRMP, Inc.

Jeremy Warren, P.E.
State of Florida # 81431
PROJECT NO.: 21-0781.000
SCALE: AS SHOWN
DATE: JUNE, 2023
DRAWING: C3.11

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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: _____


DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	NO.	DATE	DESCRIPTION

STORMWATER POLLUTION PREVENTION CERTIFICATIONS

**SITE ENGINEERING PLANS FOR
PARK PLACE CAR WASH**

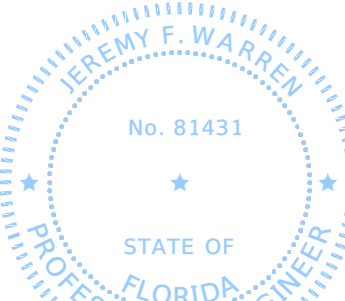
ALACHUA COUNTY, FLORIDA

DO NOT SCALE THIS DRAWING - DIMENSIONS AND NOTES TAKE PREFERENCE



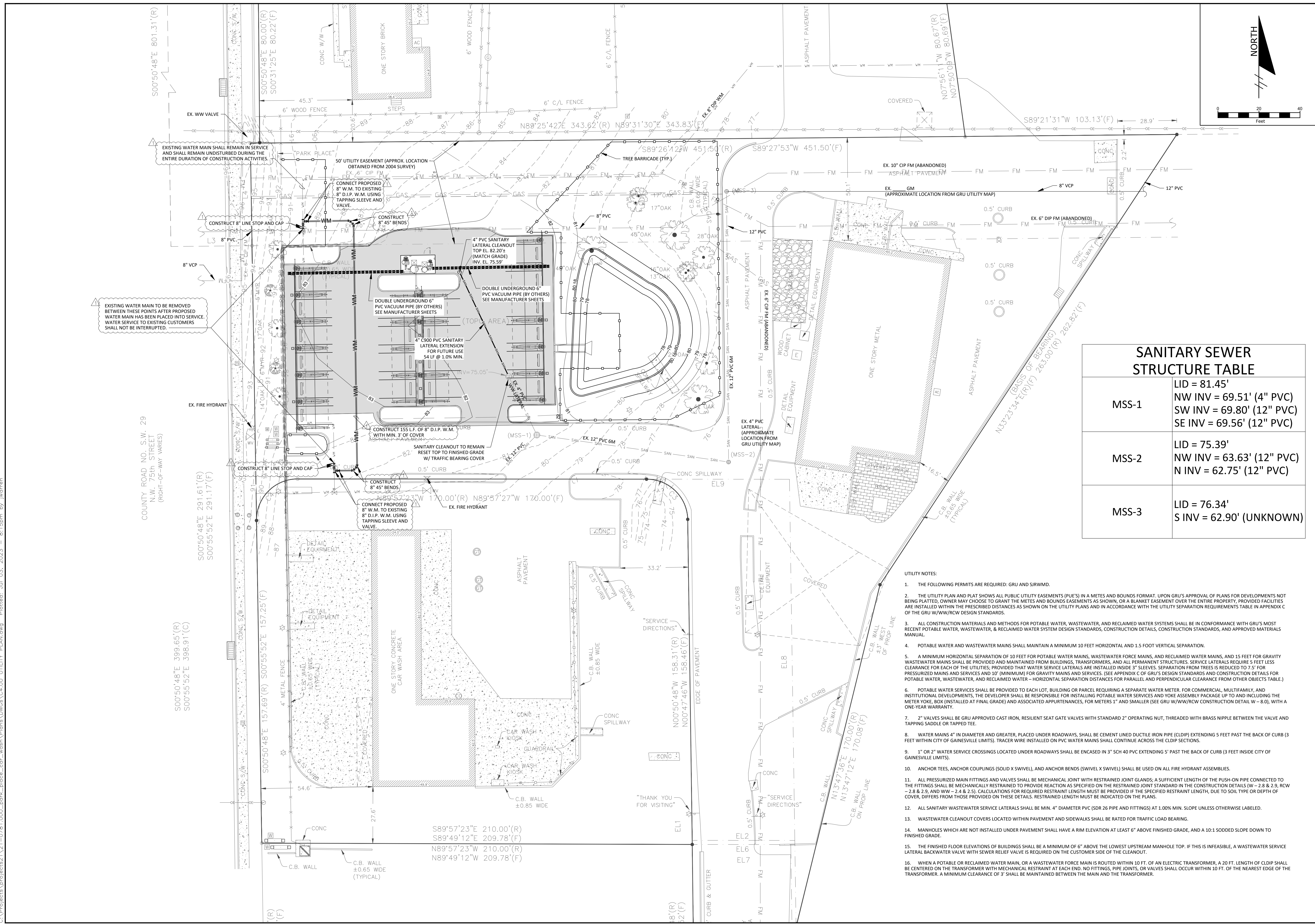
DRMP
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS

Certificate of Authorization No. 2648
706 SW 4th Avenue - Gainesville, Florida 32601
Phone: 352.371.2741 Fax: 352.372.4318 www.drmp.com



Jeremy Warren, P.E.
State of Florida # 81431

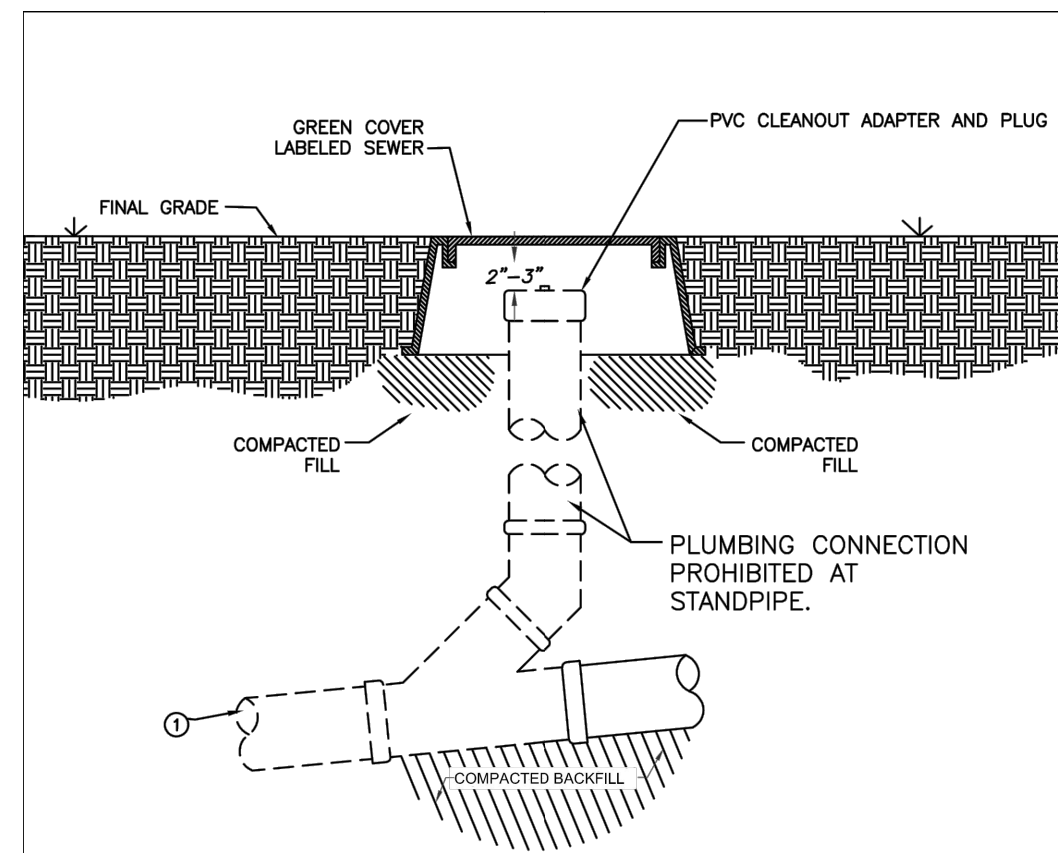
PROJECT NO.:	21-0781.000
SCALE:	AS SHOWN
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DRAWING:	C3.12



SANITARY SEWER STRUCTURE TABLE	
MSS-1	LID = 81.45' NW INV = 69.51' (4" PVC) SW INV = 69.80' (12" PVC) SE INV = 69.56' (12" PVC)
MSS-2	LID = 75.39' NW INV = 63.63' (12" PVC) N INV = 62.75' (12" PVC)
MSS-3	LID = 76.34' S INV = 62.90' (UNKNOWN)

- UTILITY NOTES:
- THE FOLLOWING PERMITS ARE REQUIRED: GRU AND SIRWMD.
 - 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/RGW DESIGN STANDARDS.
 - 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 STANDARDS, AND APPROVED MATERIALS MANUAL.
 - POTABLE WATER AND WASTEWATER MAINS SHALL MAINTAIN A MINIMUM 10 FEET HORIZONTAL AND 1.5 FOOT VERTICAL SEPARATION.
 - 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.)
 - 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 YOKES ASSEMBLY PACKAGE UP TO AND INCLUDING THE METER YOKES BOX (INSTALLED AT FINAL GRADE) AND ASSOCIATED APPURTENANCES, FOR METERS 1" AND SMALLER (SEE GRU W/WW/RGW CONSTRUCTION DETAIL W-8.0), WITH A ONE-YEAR WARRANTY.
 - 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.
 - 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.
 - 1" OR 2" WATER SERVICE CROSSINGS LOCATED UNDER ROADWAYS SHALL BE ENCASED IN 3" SCH 40 PVC EXTENDING 5' PAST THE BACK OF CURB (3 FEET INSIDE CITY OF GAINESVILLE LIMITS).
 - ANCHOR TEES, ANCHOR COUPLINGS (SOLID X SWIVEL), AND ANCHOR BENDS (SWIVEL X SWIVEL) SHALL BE USED ON ALL FIRE HYDRANT ASSEMBLIES.
 - 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. RESTRAINT LENGTH MUST BE INDICATED ON THE PLANS.
 - ALL SANITARY WASTEWATER SERVICE LATERALS SHALL BE MIN. 4" DIAMETER PVC (SDR 26 PIPE AND FITTINGS) AT 1.00% MIN. SLOPE UNLESS OTHERWISE LABELED.
 - WASTEWATER CLEANOUT COVERS LOCATED WITHIN PAVEMENT AND SIDEWALKS SHALL BE RATED FOR TRAFFIC LOAD BEARING.
 - 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.
 - 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.
 - 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.

R E V I S I O N S	
NO.	DATE
1	06/02/2023
BY: D.P. W.M. REQUITED AROUND MEDIUM STALLS DPC	
DESIGNED BY	---
DRAWN BY	---
CHECKED BY	---
APPROVED BY	---
UTILITY PLAN	
SITE ENGINEERING PLANS FOR PARK PLACE CAR WASH	
ALACHUA COUNTY, FLORIDA	
DO NOT SCALE THIS DRAWING - DIMENSIONS AND NOTES TAKE PREFERENCE	
DRMP ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS	
Certificate of Authorization No. 2648 706 SW 4th Avenue - Gainesville, Florida 32601 Phone: 352.371.2741 Fax: 352.372.4318 www.drmp.com	
DRMP, Inc. Jeremy Warren, P.E. State of Florida # 81431 PROJECT NO.: 21-0781.000	
SCALE:	AS SHOWN
DATE:	JULY, 2023
DRAWING:	C4.00



MATERIALS	
ITEM	DESCRIPTION
1	4" OR 6" PVC SERVICE LATERAL PIPE
2	BOX, CLEANOUT, PLASTIC
3	LID, GREEN, SEWER, T-TOP

- NOTES:
1. PLUMBER SHALL NOT CONNECT TO STANDPIPE.
 2. OPEN TRENCH INSPECTION REQUIRED BY ALACHUA COUNTY CODE ENFORCEMENT DEPT. OUTSIDE CITY LIMITS.
 3. OPEN TRENCH INSPECTION REQUIRED BY THE CITY OF GAINESVILLE BUILDING DEPT., CODE ENFORCEMENT DIVISION, FOR ALL PLUMBERS WITHIN THE CITY LIMITS.
 4. INSTALLATION REQUIRED FOR GRU MAINTAINED AND PRIVATE CLEANOUTS.

WASTEWATER CLEANOUT DETAIL

N.T.S.

NOTES

IN THE EVENT THAT ANY KARST FEATURES SUCH AS SINKHOLES, SOLUTION CAVITIES, CHIMNEYS, ETC. ARE DISCOVERED DURING ROUTINE INSPECTIONS OF THE STORMWATER BASINS, THE FOLLOWING REMEDIATION PROCEDURE SHALL BE PERFORMED

SHALLOW REPAIR (SEE DETAIL):

IF THE COLLAPSE IS SHALLOW (<5' DEEP) AND THE VOIDS IN THE LIMESTONE ARE SMALL, THEN THE SINKHOLE CAN BE REPAIRED BY BACKFILLING WITH A LOWER-PERMEABILITY MATERIAL, SUCH AS CLAYEY-SAND OR CLAY. THE MATERIAL SHOULD BE COMPACTED AND THE REPAIR SHALL BE SLIGHTLY ABOVE THE ORIGINAL BOTTOM IN ORDER TO CREATE A SMALL MOUND TO ACCOUNT FOR SETTLING

DEEP REPAIR (SEE DETAIL):

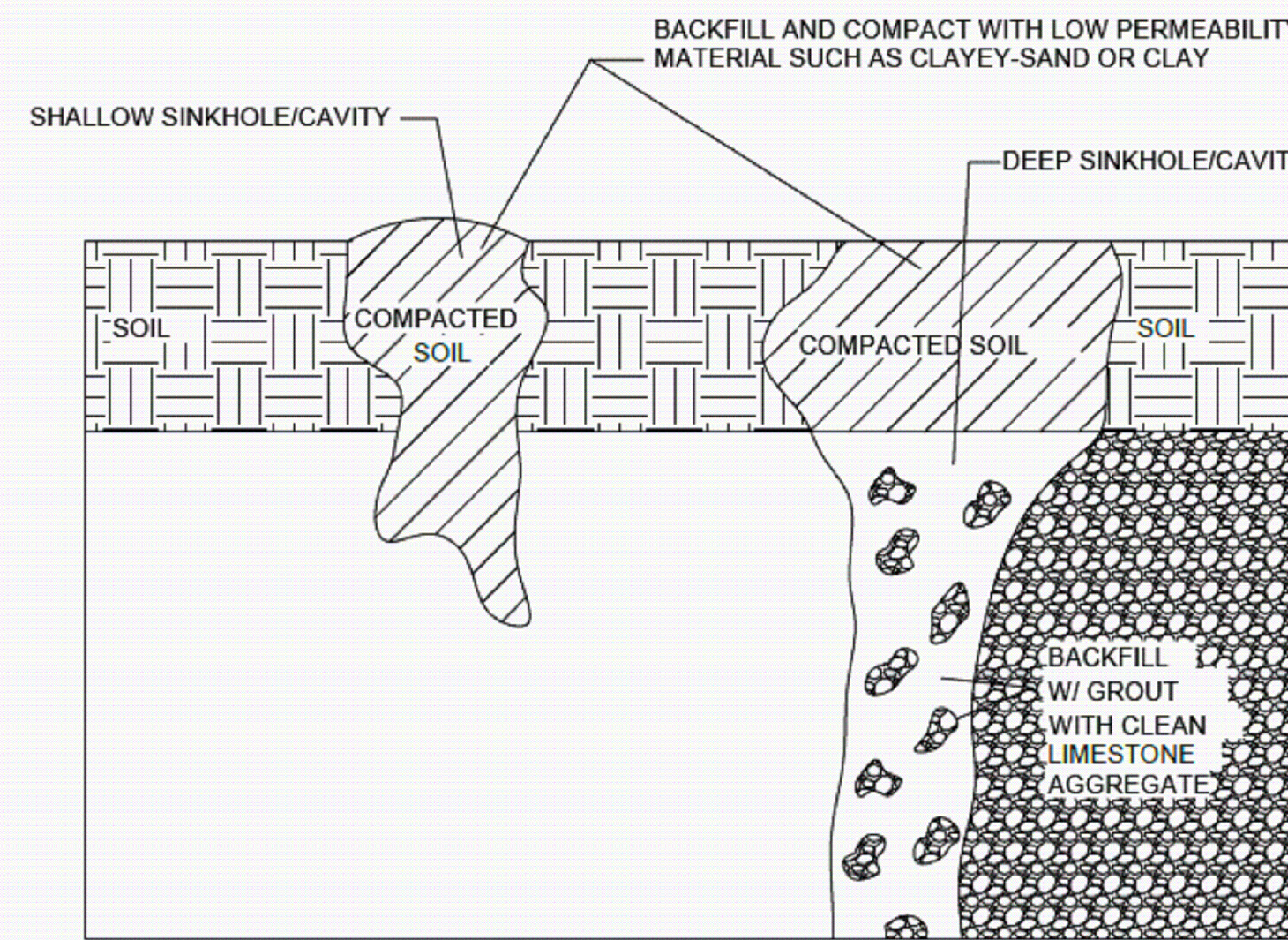
IF THE COLLAPSE IS DEEP, THEN THE REPAIR SHALL BE MORE PERMANENT. THE COLLAPSE SHALL BE EXCAVATED TO THE LIMESTONE BEDROCK THE VOID(S) IN THE BEDROCK SHALL BE PLUGGED WITH CLEAN GROUT. A LOW PERMEABILITY MATERIAL SHALL BE PLACED OVER THE CONCRETE PLUG. THE MATERIAL SHALL BE COMPACTED AND BROUGHT TO EXISTING BASIN BOTTOM.

NOTIFICATION:

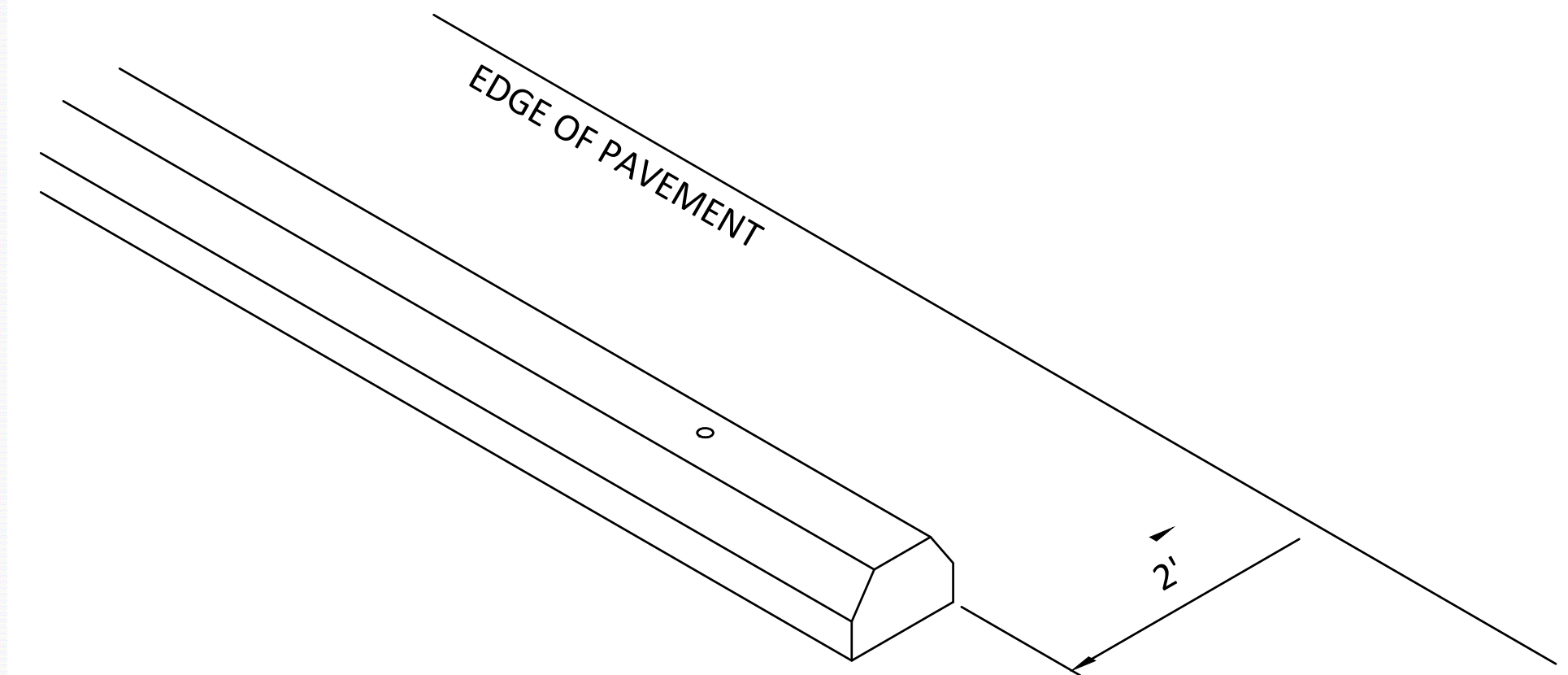
THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT (SJRWMD) SHALL BE NOTIFIED OF ANY SINKHOLE DEVELOPMENT WITHIN 48 HOURS OF DISCOVERY AND THE PROPOSED METHOD BY WHICH THE SINKHOLE WILL BE REPAIRED SHALL BE SUBMITTED TO THE SJRWMD FOR APPROVAL WITHIN 30 DAYS. THE SJRWMD WILL THEN NOTIFY THE RESPONSIBLE PARTY AS TO THE ACCEPTANCE, DENIAL OR NEED FOR MODIFICATION OF THE REPAIR METHOD.

SHALLOW AND DEEP SINKHOLE/CAVITY MAINTENANCE REPAIR DETAIL

N.T.S.

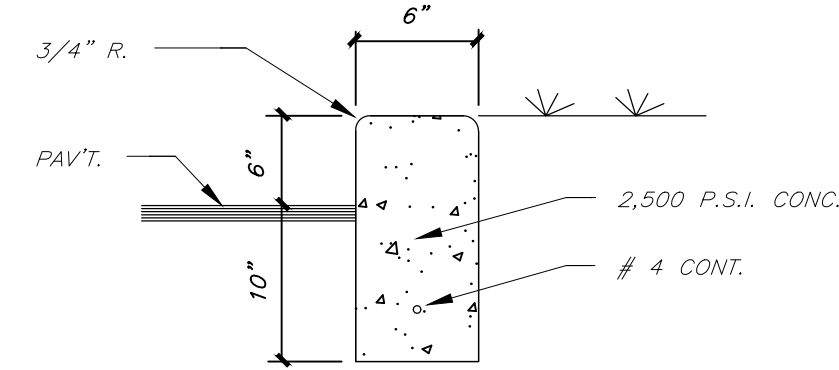


SECTION VIEW



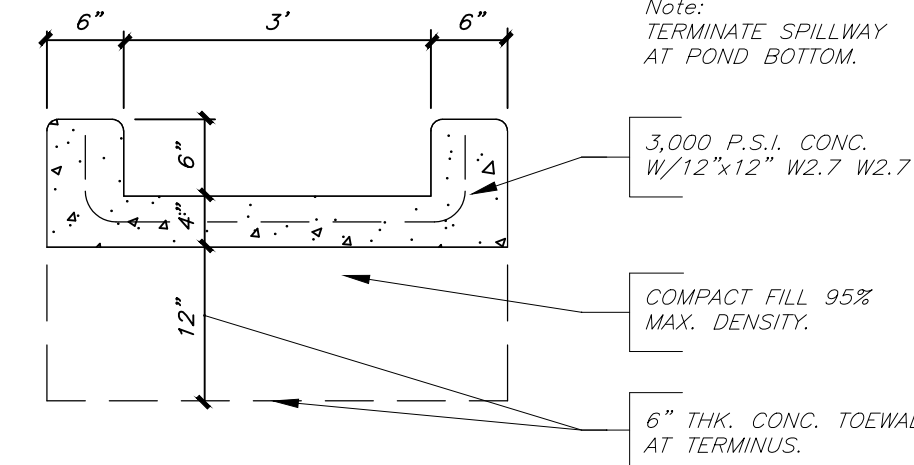
CONCRETE WHEEL STOP PLACEMENT DETAIL

N.T.S.



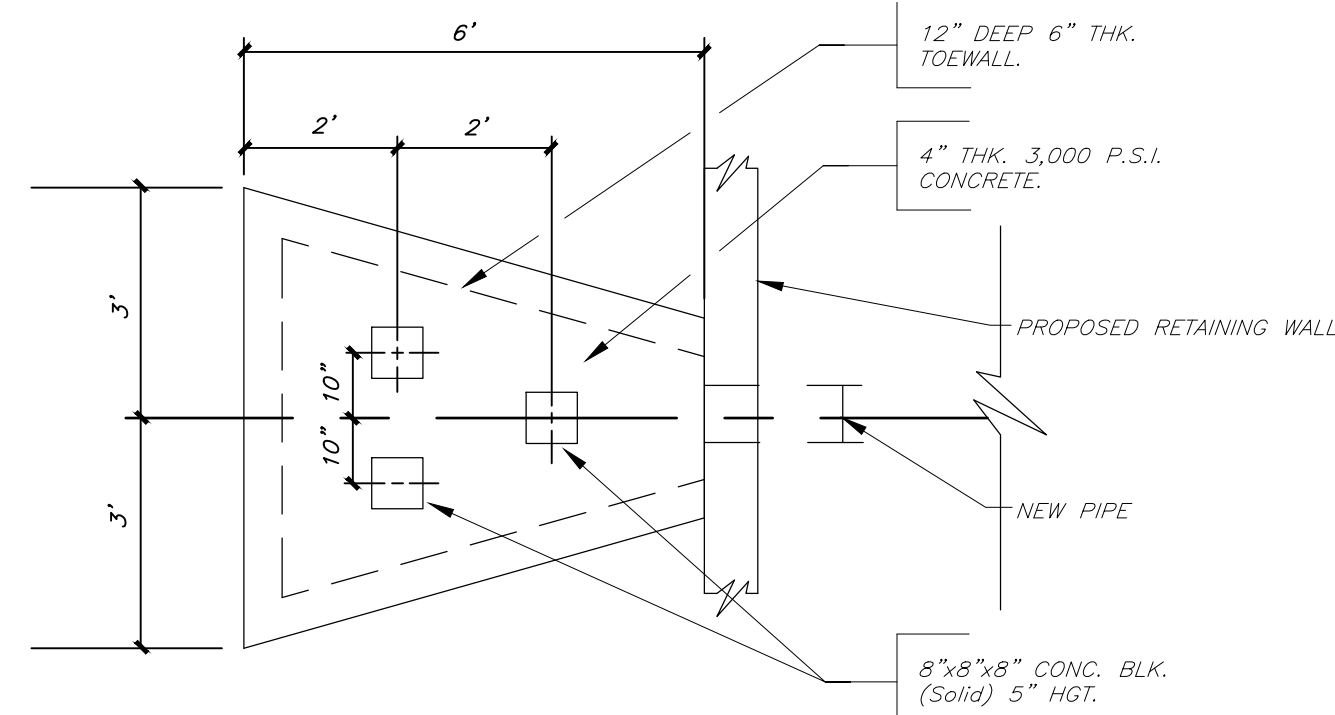
HEADER CURB DETAIL

N.T.S.



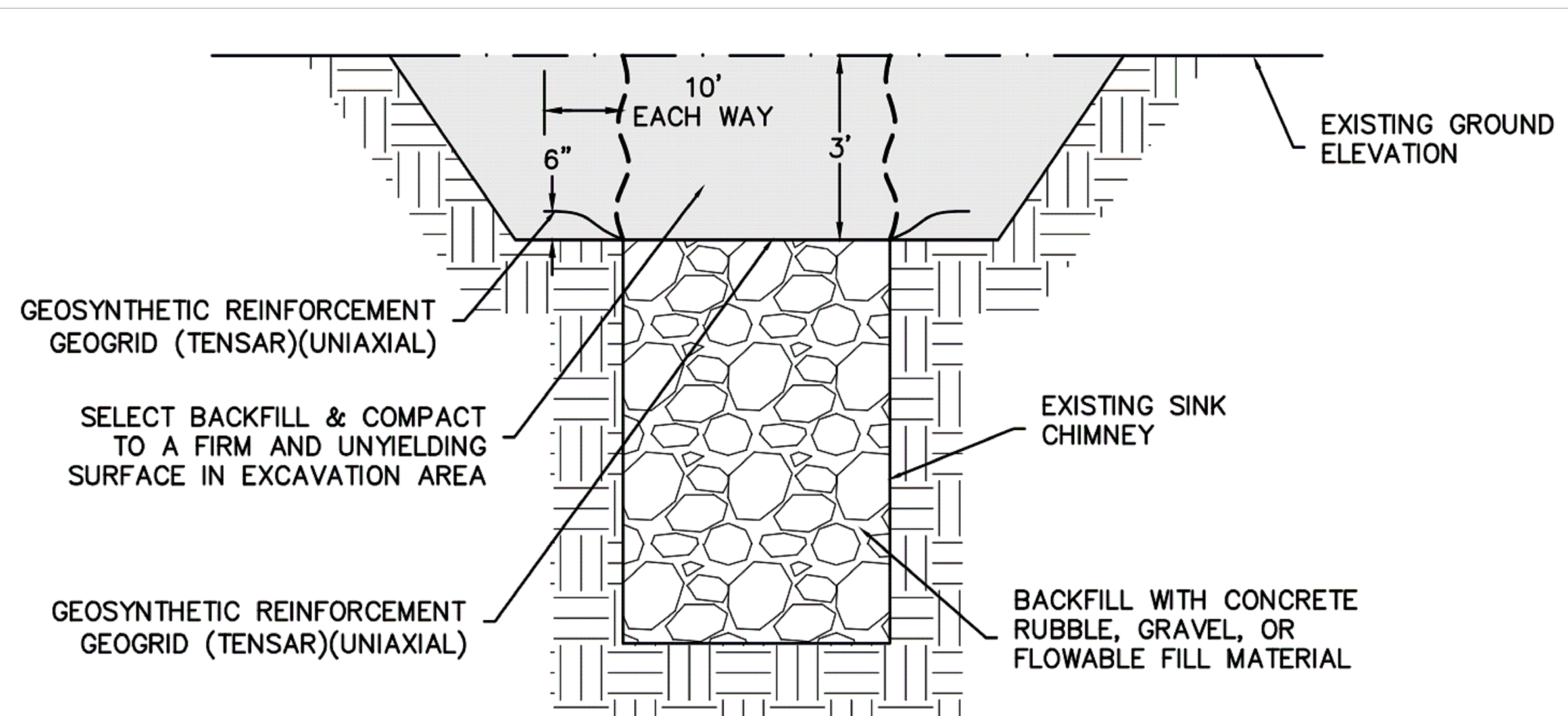
SPILLWAY DETAIL

N.T.S.



SPLASH PAD DETAIL

N.T.S.



TYPICAL CHIMNEY SINK REPAIR DETAIL

NO.	DATE	DESCRIPTION	BY				
				DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
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CONSTRUCTION DETAILS

SITE ENGINEERING PLANS FOR
PARK PLACE CAR WASH
ALACHUA COUNTY, FLORIDA



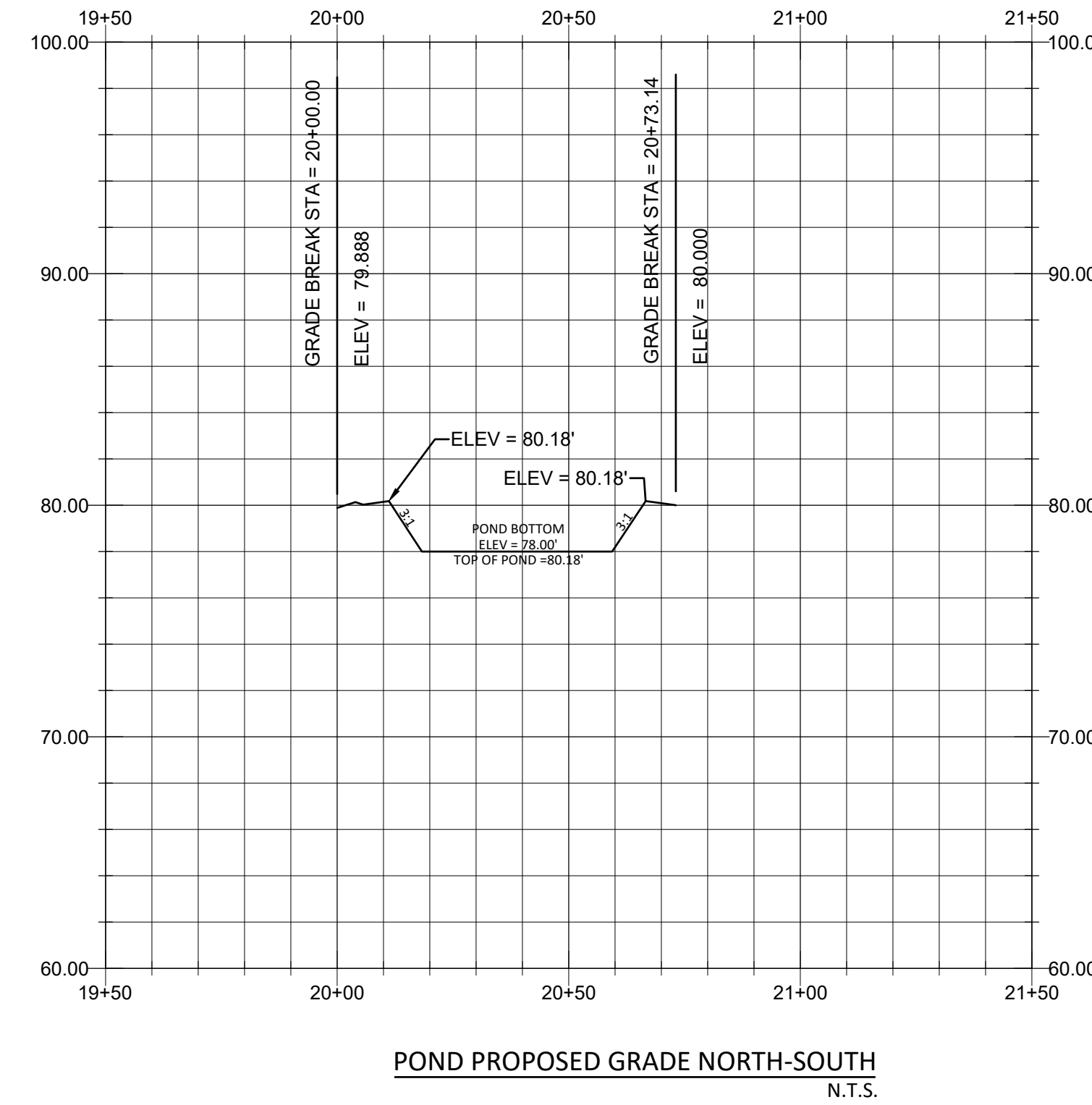
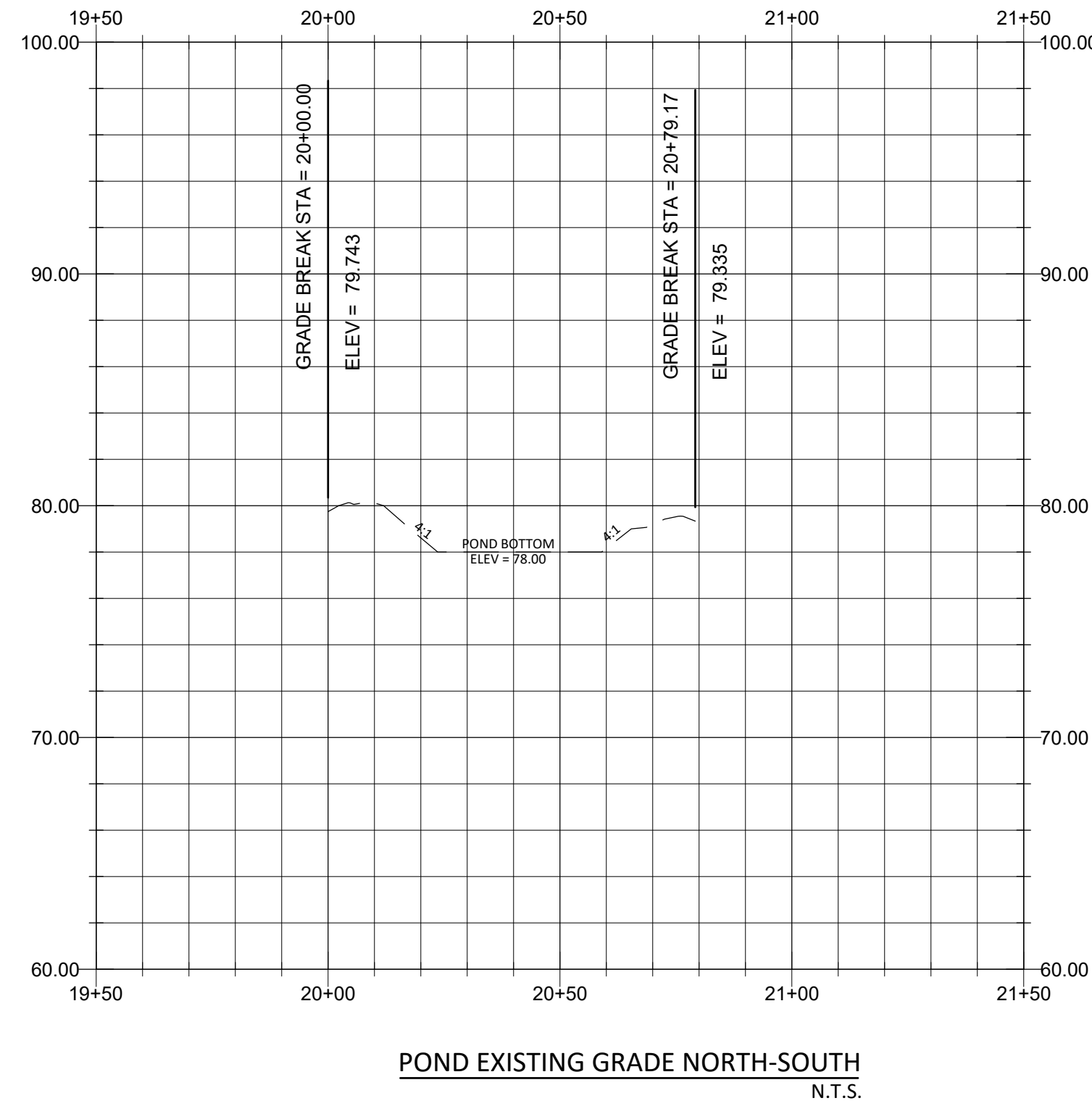
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PROJECT NO.:	21-0781.000
SCALE:	AS SHOWN
DATE:	JUNE, 2023
DRAWING:	C5.00

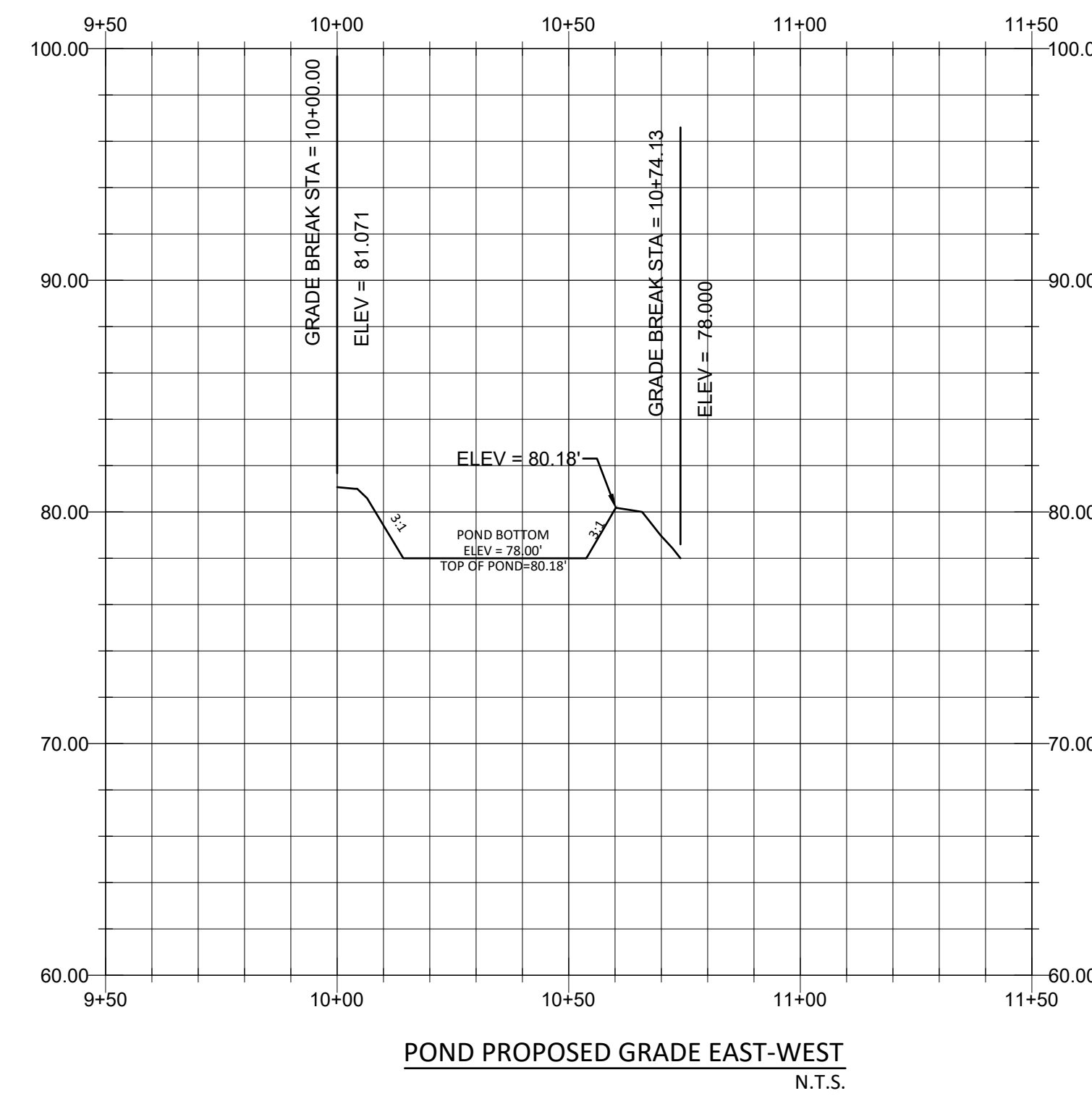
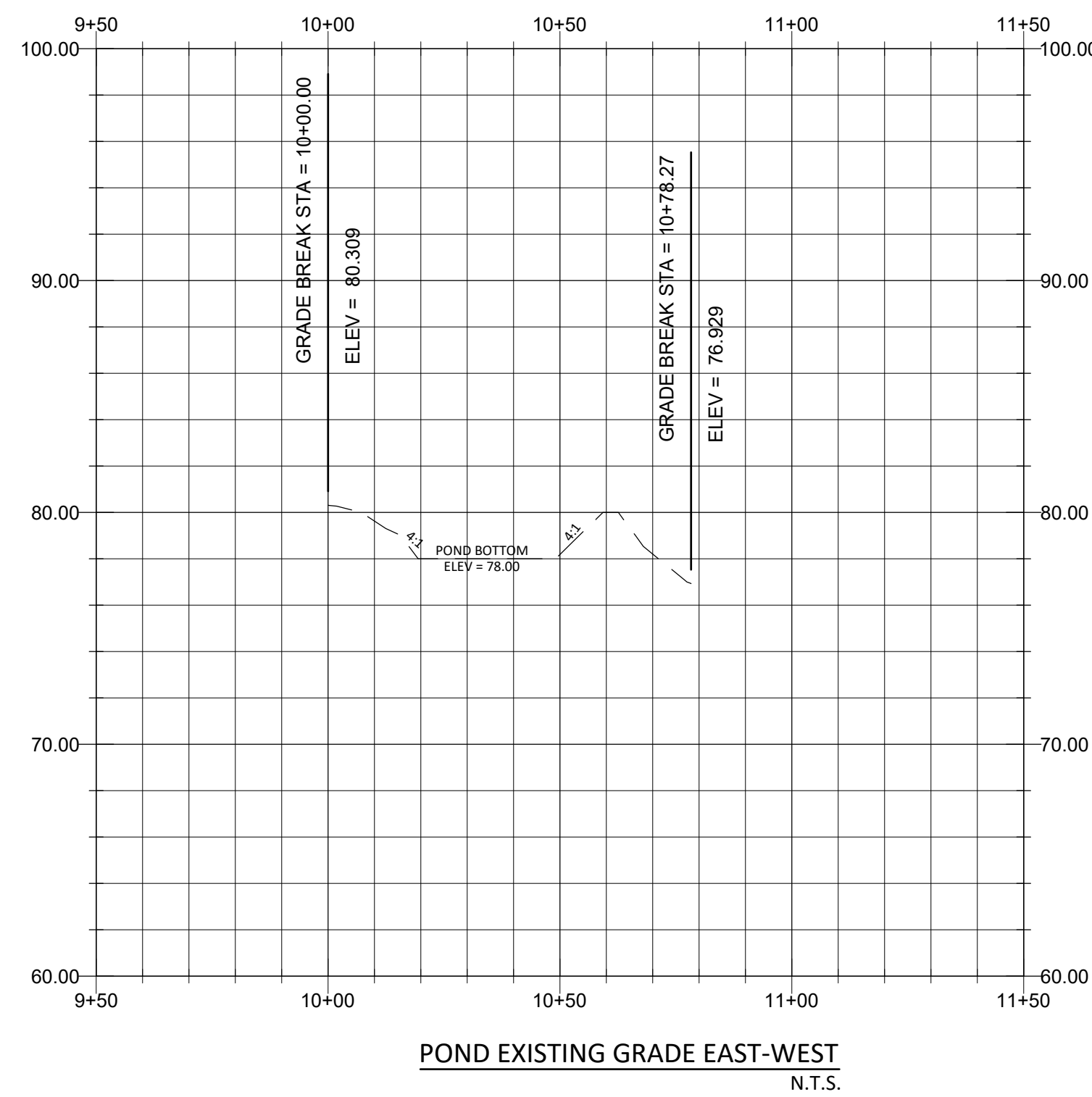
GENERAL NOTES:

- IF A CONTINUOUS LIMEROCK FORMATION IS ENCOUNTERED IN THE BASIN AREA, CONTACT THE ENGINEER OF RECORD. THE LIMEROCK SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 3 FEET BEYOND THE BASIN BOTTOM AND BACKFILLED WITH EITHER ON-SITE OR IMPORTED SANDS AND SANDS WITH SILT (SP, SP-SM) HAVING A MAXIMUM OF 12 PERCENT SOIL FINES PASSING THE NO. 200 SIEVE.
- SHOULD SINKHOLE(S) EXIST ON SITE, THE FOLLOWING SHALL BE NOTED WITH REGARDS TO SINKHOLE RESTRICTIONS AND EXCLUSION ZONES:
 - THERE SHALL BE NO DEVELOPMENT WITHIN 50 FEET OF THE EDGE OF ANY SINKHOLE. PROPOSED DEVELOPMENT AROUND SINKHOLES AND/OR PONDS WILL BE SUBJECT TO SPECIAL REVIEW PROCEDURES IN ORDER TO PROTECT THEIR FUNCTION AS RECHARGE AREAS. DIRECT STORMWATER RUNOFF INTO SINKHOLES WILL NOT BE ALLOWED. NO CLEARING OR FILLING OF SINKHOLES WILL BE ALLOWED WITHOUT REVIEW AND APPROVAL BY THE CITY COMMISSION.
 - ANY DEVELOPMENT WITHIN 200 FEET OF THE EDGE OF ANY SINKHOLE SHALL REQUIRE CERTIFICATION BY THE DEVELOPERS ENGINEER THAT SUCH DEVELOPMENT SHALL NOT INCREASE FLOW OR DEGRADE THE QUALITY OF NATURAL GROUND WATER REACHING THE SINKHOLE.

- VEGETATION WILL BE REQUIRED TO REMAIN OR TO BE RESTORED WITH VEGETATION THAT WILL PERFORM A LIKE FUNCTION WITHIN A RADIUS OF 50 FEET AROUND SINKHOLES AND SOLUTION CHANNELS TO PROVIDE VEGETATIVE BUFFERS FOR THESE KARST FEATURES. THE FUNCTION OF THESE VEGETATIVE BUFFERS, IN CONJUNCTION WITH SWALES, BERMS, OR OTHER STORMWATER MANAGEMENT METHODS OR STRUCTURES, IS THE ATTENUATION AND TREATMENT OF STORMWATER RUNOFF. THIS WILL PREVENT DIRECT DISCHARGE OF STORMWATER, OR DISCHARGE OF UNTREATED STORMWATER, TO SINKHOLES OR SOLUTION CHANNELS.
- IF A SOLUTION PIPE SINKHOLE DOES FORM IN THE STORMWATER BASIN, THEN THE SINKHOLE SHALL BE REPAIRED BY BACKFILLING WITH MATERIAL OF LOWER PERMEABILITY, SUCH AS CLAYEY SAND OR CLAY. THE MATERIAL SHALL BE COMPACTED AND THE SINKHOLE REPAIR SHOULD BRING THE SURFACE BACK TO AN ELEVATION WHICH IS SLIGHTLY ABOVE THE ORIGINAL BOTTOM, CREATING A SMALL MOUND. SEE TYPICAL CHIMNEY SINK REPAIR DETAIL ON SHEET C5.00.
- DURING EXCAVATION, IN AREAS WHERE CLAYEY SOILS ARE PRESENT AT THE BASIN BOTTOM, THE CONTRACTOR SHALL UNDERCUT A MINIMUM OF 2 FEET AND BACKFILL WITH EITHER ON-SITE OR IMPORTED SANDS AND SANDS WITH SILT (SP, SP-SM) HAVING A MAXIMUM OF 12 PERCENT SOIL FINES PASSING THE NO. 200 SIEVE.



NOTE:
1. ALL SLOPES AND POND BOTTOM SHALL BE SODDED.



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DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	R E V I S I O N S	
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				DESCRIPTION	
				BY	

POND SECTIONS

PARK PLACE CAR WASH

ALACHUA COUNTY, FLORIDA

DO NOT SCALE THIS DRAWING — DIMENSIONS AND NOTES TAKE PREFERENCE

DRMP, Inc.

ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS

708 S.W. 11th Street, Suite 200
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Jeremy Warren, P.E.
State of Florida # 81431

PROJECT NO.: **21-0781.000**

SCALE: **AS SHOWN**

DATE: **JUNE, 2023**

DRAWING: **C5.10**