

APOPKA DEVELOPMENT REVIEW COMMITTEE AGENDA

February 25, 2026 9:00 AM
Apopka City Hall Council Chambers

SITE PLAN:

CONSTRUCTION SITE PLAN

1. **CSP-26-3 - North West Recreational Complex Tennis and Pickleball Courts - Construction Site Plan (CSP), 1st Submittal**
Owner(s): City of Apopka
Applicant(s): Newkirk Engineering Inc - Michael Munier, PE
Location: 2500 Brush Drive
Proposed Use: New Tennis and Pickleball Courts
Project Manager: Amer Hamza
2. **CSP-25-25 - Go Ministry - Construction Site Plan (CSP), 2nd Submittal**
Owner(s): Sals Evanelica De La Dana Doctrina Orlando Inc
Applicant(s): Burkett Engineering - Clifford Alejos
Location: Rock Springs Rd, PID: 34-20-28-7440-02-000
Proposed Use: 11,000 Square Foot Church
Project Manager: Jun Sohn

DISCUSSION

ADJOURNMENT

Individuals with disabilities needing assistance to participate in any of these proceedings should contact the City Clerk at least two (2) working days in advance of the meeting date and time at (407) 703-1704. F.S. 286.0105 If a person decides to appeal any decision or recommendation made by Council with respect to any matter considered at this meeting, he will need record of the proceedings, and that for such purposes he may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

Any opening invocation that is offered before the official start of the Council meeting shall be the voluntary offering of a private person, to and for the benefit of the Council. The views or beliefs expressed by the invocation speaker have not been previously reviewed or approved by the City Council or the city staff, and the City is not allowed by law to endorse the religious or non-religious beliefs or views of such speaker. Persons in attendance at the City Council meeting are invited to stand during the opening ceremony. However, such invitation shall not be construed as a demand, order, or any other type of command. No person in attendance at the meeting shall be required to participate in any opening invocation that is offered or to participate in the Pledge of Allegiance. You may remain seated within the City Council Chambers or exit the City Council Chambers and return upon completion of the opening invocation and/or Pledge of Allegiance if you do not wish to participate in or witness the opening invocation and/or the recitation of the Pledge of Allegiance.

INDEX OF SHEETS	
SHEET No.	SHEET TITLE
01	COVER
02	BOUNDARY AND TOPOGRAPHIC SURVEY
03	DEVELOPMENT INFORMATION
04	DEMOLITION AND SWPPP PLAN
05	EROSION CONTROL PLAN
06	OVERALL DEVELOPMENT PLAN
07	PARKING LOT LAYOUT
08	DRAINAGE PLAN
09	OVERALL GRADING
10	PARKING LOT GRADING
11	CROSS SECTIONS
12	POND 1 LAYOUT AND CROSS SECTIONS
13	POND 2 LAYOUT AND CROSS SECTIONS
14	MISCELLANEOUS DETAILS
15	AUTOTURN PLAN - FIRE TRUCK

SITE PLAN DRAWING FOR

NW RECREATIONAL COMPLEX

TENNIS AND PICKLEBALL COURTS

SECTION 20, TOWNSHIP 20 S., RANGE 28 E.
TAX PARCEL ID # 20-20-28-0000-00-0027
2500 BRUSH DRIVE
APOPKA, FL 34712
DECEMBER 2025

PROJECT TEAM

APPLICANT/ PROPERTY OWNER:	CHRIS RICHTER (PM) CITY OF APOPKA 120 E. MAIN ST APOPKA, FL 32703 PHONE: (407) 703-1784 EMAIL: CRICHTER@APOPKA.NET
CIVIL ENGINEER:	NEWKIRK ENGINEERING, INC. 1230 NORTH US HIGHWAY 1, SUITE 3 ORMOND BEACH, FL 32174 PHONE: (386) 872-7794 EMAIL: MMUNIER@NEWKIRK-ENGINEERING.COM
SURVEYOR:	CENTRAL FLORIDA SURVEYING 509 BOXELDER AVENUE ALTAMONTE SPRINGS, FL 32714 PHONE: (321) 972-5660 EMAIL: ORDERS@CFLLS.COM
GEOTECHNICAL:	GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 LAKE BALDWIN LANE ORLANDO, FL 32814 PHONE: (407) 898-1818 EMAIL: DCSTANFILL@GECFLA.COM
ENVIRONMENTAL CONSULTANTS:	STANTEC CONSULTING SERVICES, INC. 300 PRIMERA BOULEVARD, SUITE 300 LAKE MARY, FL 32746 PHONE: (407) 710-3378 EMAIL: MIKE.DINARDO@STANTEC.COM

CONTACT NUMBERS

PLANNING AND ZONING - CITY OF APOPKA	(407) 703-1712
PUBLIC SERVICES - CITY OF APOPKA	(407) 703-1731
EMERGENCY	(407) 703-1757

LEGAL DESCRIPTION

THAT PORTION OF SECTION 20-20-28 MORE PARTICULARLY DESCRIBED AS: COMMENCE AT THE NW CORNER OF SECTION 20-20-28; THENCE S00°05'19"W 1671.64 FEET; THENCE S89°54'41"E 737.99 FEET TO THE POINT OF BEGINNING ALSO BEING A POINT ON THE EASTERLY R/W LINE OF JASON DWELLEY PARKWAY; THENCE N63°25'38"E 109.55 FEET TO POINT OF CURVE CONCAVE NORTHWESTERLY, HAVING RADIUS OF 162 FEET & CENTRAL ANGLE OF 44°40'37" & ARC LENGTH OF 126.32 FEET THENCE N18°45'01"E 212.89 FEET TO POINT OF CURVE CONCAVE SOUTHEASTERLY HAVING RADIUS OF 178 FEET & CENTRAL ANGLE OF 23°08'08" ARC LENGTH OF 71.88 FEET THENCE N41°53'10"E 195.19 FEET THENCE S48°06'53"E 262.49 FEET THENCE S00°00'04"W 1258.60 FEET TO THE NORTHERLY R/W LINE OF RECREATION WAY THENCE S89°55'02"W 99.98 FEET THENCE N00°00'00"E 277.73 FEET THENCE S90°00'00"W 361.46 FEET TO THE AFOREMENTIONED EASTERLY R/W LINE & POINT OF CURVE CONCAVE WESTERLY HAVING RADIUS OF 1551.23 FEET & CENTRAL ANGLE OF 23°11'34" & CHORD BEARING OF N13°41'44"W & ARC LENGTH OF 627.92 FEET TO THE POINT OF BEGINNING.

CONTAINS 530,956 SQUARE FEET OR 12.19 ACRES MORE OR LESS.

PROJECT STATEMENT

PROPOSED 118 SPACE PARKING LOT, ASSOCIATED DRIVEWAY AND SIDEWALK CONNECTIONS, AS WELL AS A MASTER STORMWATER SYSTEM TO SUPPORT NEW TENNIS AND PICKLEBALL RECREATIONAL FACILITY FOR THE CITY OF APOPKA.

THE PROPOSED COURTS, PARKING, AND STORMWATER SYSTEM WILL BE CONSTRUCTED ON A SITE TOTALING 12.191 ACRES WITH THE STORMWATER SYSTEM DESIGNED TO ACCOMMODATE 4.814 ACRES OF IMPERVIOUS COVERAGE.

THE STORM WATER SYSTEM WILL COLLECT STORMWATER RUNOFF BY SURFACE CONVEYANCE AS WELL AS CURB INLETS AND PIPE CULVERTS. TWO (2) DRY RETENTION PONDS WILL PROVIDE WATER QUALITY TREATMENT AND FLOOD ATTENUATION.

JURISDICTIONAL AGENCY PERMIT No.

FDEP (STORMWATER)

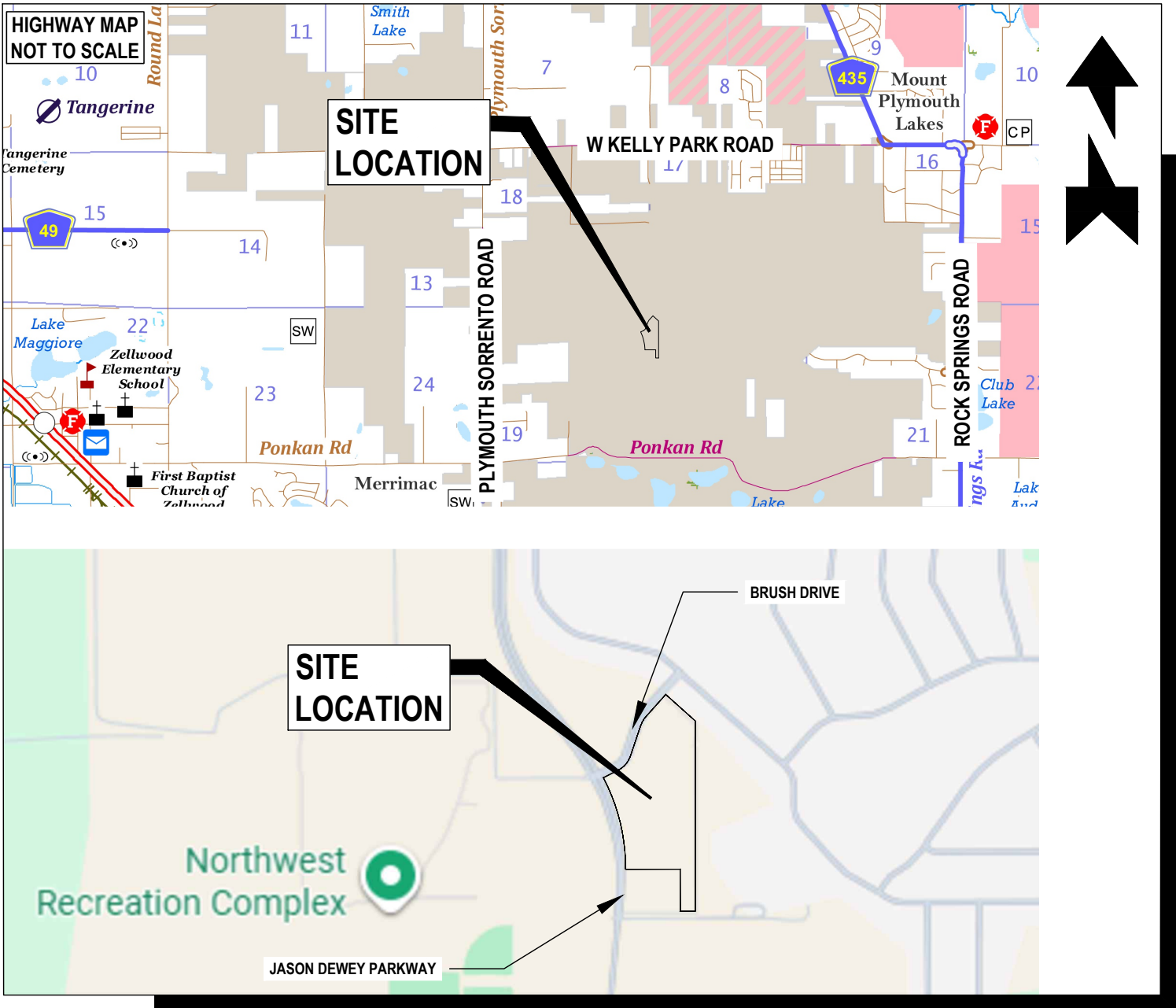
THE GENERAL CONTRACTOR SHALL ENSURE THAT ANY SUBCONTRACTOR HAS A COMPLETE SET OF CONSTRUCTION DRAWINGS FOR ITS RESPECTIVE WORK. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR SUBCONTRACTORS ONLY UTILIZING INDIVIDUAL DRAWINGS FOR ITS WORK WHERE ADDITIONAL INFORMATION MAY BE CONTAINED ON OTHER DRAWINGS WITHIN THE SET.

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AERIAL MAP

SCALE: 1" = 300'



LOCATION MAP

SCALE: 1" = 1000'



FLOOD ZONE MAP

SCALE: 1" = 500'

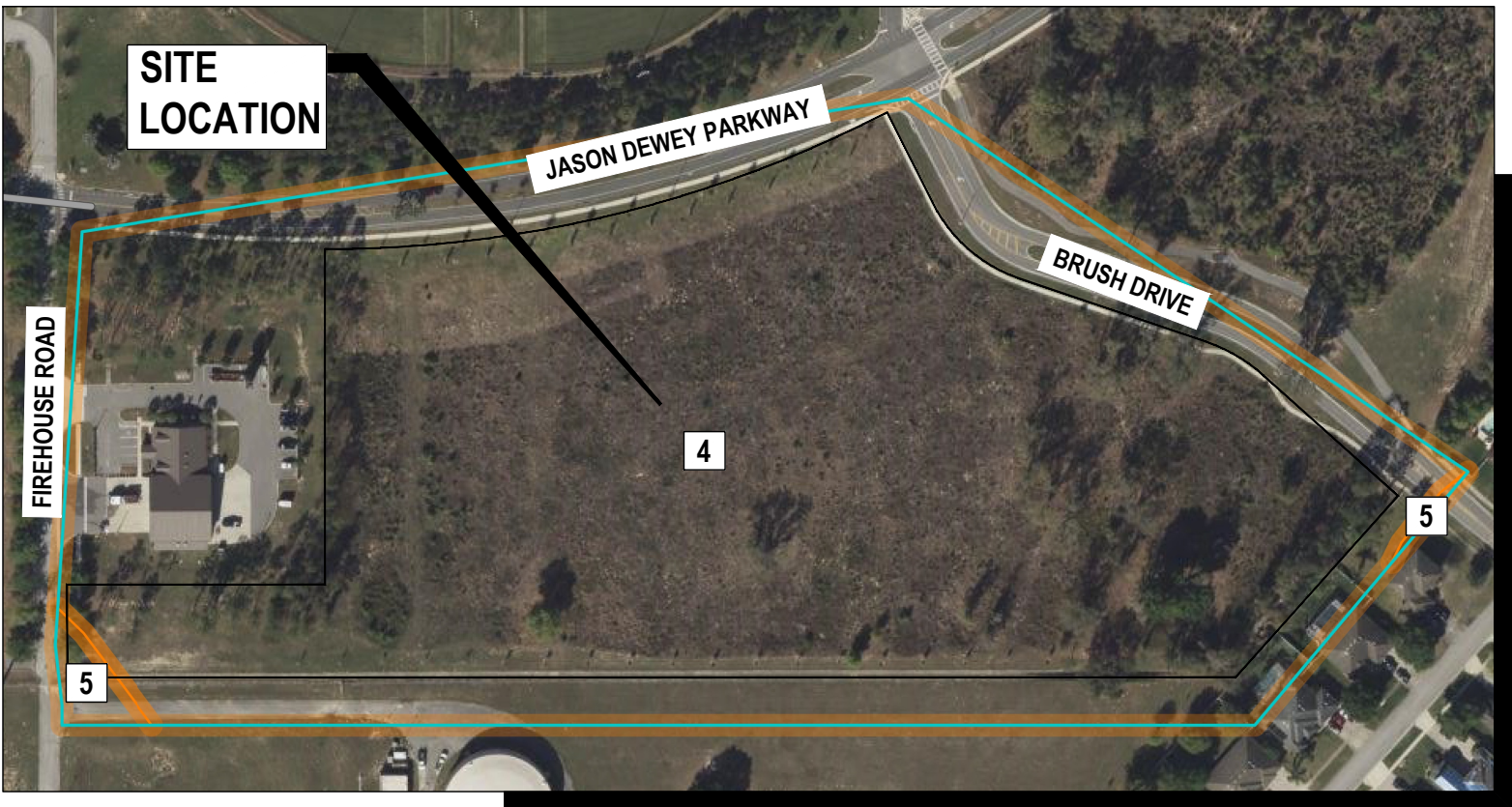
FLOOD ZONE "X"
PANEL No. 12095C0110H
DATED SEPTEMBER, 24, 2021



ZONING MAP

SCALE: 1" = 1000'

ZONING : O - OFFICE



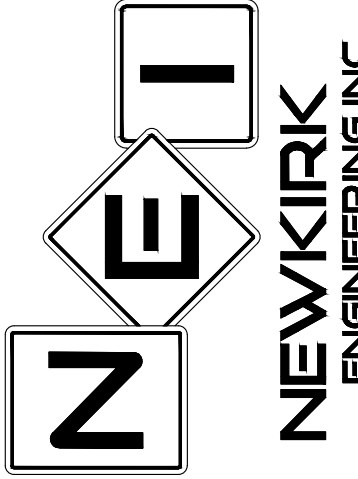
SOILS MAP

SCALE: 1" = 200'

SOIL TYPES: (4) CANDLER SANDS, 0% TO 5% SLOPES
(5) CANDLER SANDS, 5% TO 12% SLOPES



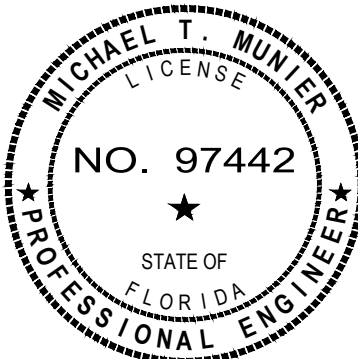
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Phone (386) 872-7794
www.NewKirk-Engineering.com
C.A. # 30209
L.C. # 2600584
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Civil Engineering,
Transportation, CEI &
Landscape Architecture



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THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY
MICHAEL T. MUNIER, PE # 97442
ON

Michael T. Munier
Professional Engineer
State of Florida
License No. 97442



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DRAWING NUMBER

01

GENERAL CONSTRUCTION NOTES

1.

CITY GOVERNING SPECIFICATIONS: CITY OF APOPKA LAND DEVELOPMENT CODE, CITY OF APOPKA STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS, LATEST EDITION.
2.

ALL CONSTRUCTION WITHIN THE CITY OF APOPKA RIGHT-OF-WAY SHALL CONFORM TO THE LATEST EDITION OF THE FDOT DESIGN MANUAL, THE FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE FDOT UTILITY ACCOMMODATIONS MANUAL.
3.

ALL UTILITY MATERIAL, CONSTRUCTION AND TESTING COVERED BY THESE DRAWINGS SHALL COMPLY WITH THE CITY OF APOPKA STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS, LATEST EDITION.
4.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER OF ANY DEFICIENCIES OR DISCREPANCIES AMONG THE DIVISIONS OF THE DRAWING AND SPECIFICATIONS PRIOR TO THE BID DATE. NEITHER THE OWNER OR ENGINEER WILL BE RESPONSIBLE FOR ANY DEFICIENCIES OR DISCREPANCIES RAISED AFTER THE BID OPENING. ACCORDINGLY, IN LIGHT OF THESE OBLIGATIONS, THE ENGINEER IS OBLIGATED TO INTERPRET THE DRAWINGS AND SPECIFICATIONS IN A MANNER THAT WILL PROVIDE THE OWNER WITH A COMPLETE, FUNCTIONING FACILITY FOR THE BID PRICE.
5.

THESE DRAWINGS AND OTHER BID DOCUMENTS ARE COMPLEMENTARY, AND ANY REQUIREMENT OF ONE SHALL BE A REQUIREMENT OF THE OTHER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CAREFULLY EXAMINE THE DRAWINGS AND SPECIFICATIONS AND TO COMPARE THE REQUIREMENTS OF EACH DIVISION AND ENSURE THAT EACH TRADE OR SUBCONTRACTOR IS MAKING THE ALLOWANCES NECESSARY TO PROVIDE THE OWNER A COMPLETE FACILITY, OPERATIONAL IN ALL RESPECTS, UNLESS OTHERWISE SPECIFICALLY STATED IN THE DRAWINGS.
6.

THE ENGINEER ASSUMES NO RESPONSIBILITY FOR INSTRUCTING THE CONTRACTOR IN THE METHODS OF CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE METHOD TO CONSTRUCT THE IMPROVEMENTS AS SHOWN ON THE PLANS.
7.

LITTER CONTROL MEASURES TO PREVENT WIND-DRIVEN DEBRIS SHALL BE IMPLEMENTED THROUGHOUT THE DURATION OF CONSTRUCTION. ALL DEBRIS SHALL BE REMOVED AND THE PROJECT SITE CLEANED WITHIN 30 DAYS OF COMPLETION OF CONSTRUCTION.
8.

AT NO TIME SHALL EXCAVATIONS BE LEFT UNCOVERED AFTER WORKING HOURS. CONTRACTOR SHALL SECURE THE WORK AREA AT THE END OF EACH DAY'S WORK.
9.

AT ALL TIMES, THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT UNDERGROUND UTILITIES, STRUCTURES AND OTHER ASSOCIATED FACILITIES FROM DAMAGE DURING CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE MEASURES OF PROTECTION. ANY DAMAGED FACILITIES SHALL BE REPAIRED OR REPLACED AS DIRECTED BY THE CITY OR ENGINEER AT THE CONTRACTORS EXPENSE.
10.

THERE SHALL BE NO DEVIATIONS FROM THESE PLANS UNLESS APPROVED IN WRITING BY THE ENGINEER AND THE OWNER.
11.

THE CONTRACTOR SHALL CONTACT ALL CONCERNED UTILITIES AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE OF CONSTRUCTION OPERATIONS.
12.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING CERTIFIED MATERIAL TEST RESULTS TO THE ENGINEER OF RECORD PRIOR TO THE RELEASE OF FINAL CERTIFICATION BY THE ENGINEER, TEST RESULTS MUST INCLUDE, BUT MAY NOT BE LIMITED TO, DENSITIES FOR SUBGRADE AND BASE DENSITIES AT UTILITY CROSSINGS, MANHOLES, INLETS, STRUCTURES. TEST SHALL INCLUDE ASPHALT GRADATION REPORTS, CONCRETE CYLINDERS, ETC.
13.

WHERE NEW ASPHALT MEETS EXISTING ASPHALT, THE EXISTING ASPHALT SHALL BE SAW CUT TO PROVIDE A STRAIGHT EVEN LINE.
14.

PRIOR TO REMOVING CURB OR GUTTER, THE ADJACENT ASPHALT SHALL BE SAW CUT TO PROVIDE A STRAIGHT EVEN LINE.
15.

ALL PROPOSED ELEVATIONS REFER TO FINISHED GRADES.
16.

CONCRETE WALKS SHALL BE 4 INCHES THICK HAVING A 3,000 PSI STRENGTH, POURED OVER PROPERLY PREPARED SUBGRADE. 1/2 INCH EXPANSION JOINTS SHALL BE PLACED AT A MAXIMUM OF 50'. CRACK CONTROL JOINTS SHALL BE 5' ON CENTERS.
17.

CORE TESTS SHALL BE TAKEN TO VERIFY THICKNESS AND SUBSURFACE COMPACTION. PROVIDE THREE SAMPLES, RANDOMLY LOCATED. TEST FOR EXTRACTION, GRADATION, LABORATORY DENSITY, AND MARSHALL'S STABILITY. PROVIDE A CERTIFICATE FROM THE TESTING AGENCY THAT MATERIALS AND INSTALLATION COMPLY WITH SPECIFICATIONS, SIGNED BY THE ASPHALTIC CONCRETE PRODUCER AND CONTRACTOR. ALL COSTS OF TESTS SHALL BE PAID BY THE CONTRACTOR. IF TESTS SHOW THE INSTALLATION DOES NOT MEET SPECIFICATIONS, THE PAVMENT SHALL BE REMOVED, REPLACED, AND RETESTED.
18.

IF ANY MUCK-LIKE MATERIAL IS DISCOVERED, IT WILL BE REQUIRED TO BE REMOVED, BACKFILLED WITH APPROPRIATE FILL, COMPACTED, AND TESTED USING AASHTO T-180 MODIFIED PROCTOR METHOD.
19.

FILL MATERIAL IS TO BE PLACED IN ONE FOOT LIFTS AND COMPACTED TO THE APPROPRIATE DENSITY (98% FOR PAVED AREAS AND 95% FOR BUILDING PADS AND ALL OTHER AREAS AS PER AASHTO T-180).
20.

NO BURYING OF ANY ORGANIC MATERIALS ALLOWED.

LEGEND

NOTE: NOT ALL SYMBOLS SHOWN HERE MAY BE APPLICABLE TO THESE DRAWINGS, ALSO THERE MAY BE ADDITIONAL SYMBOLS WITHIN PLANS NOT SHOWN HERE, SEE INDIVIDUAL DRAWING LEGEND WHERE APPLICABLE.

#3	BENCHMARK ID	■	FOUND 4" BY 4" CONCRETE MONUMENT L.B. #3724
B-24	BORING ID	---	EXISTING EASEMENT
□	EXISTING CABLE TV PEDESTAL	---	EXISTING UNDERGROUND FIBER OPTIC CABLE
⌏	EXISTING CAP OR PLUG	---	EXISTING FORCE MAIN (# INDICATES SIZE)
⊙	EXISTING CLEAN OUT	---	EXISTING GAS MAIN
⊗	EXISTING CONDUIT RISER/ MARKER	---	EXISTING OVERHEAD ELECTRIC CABLES
□	EXISTING ELECTRIC METER	---	EXISTING OVERHEAD TRAFFIC SIGNAL CABLE
+ 11.1	EXISTING ELEVATION (SOFT)	---	EXISTING RAW WATER MAIN (# INDICATES SIZE)
+ 11.5	PROPOSED ELEVATION (SOFT)	---	EXISTING RECLAIM WATER MAIN (# INDICATES SIZE)
+ 11.5	EXISTING ELEVATION (HARD)	---	PROPOSED SANITARY SEWER (# INDICATES SIZE)
+ 11.5	PROPOSED ELEVATION (HARD)	---	PROPOSED WATER MAIN (# INDICATES SIZE)
⦿	EXISTING FIRE HYDRANT	12	EXISTING CONTOUR
⦿	PROPOSED FIRE HYDRANT	10	PROPOSED CONTOUR (SOFT)
↶	EXISTING FLOW DIRECTION	10	PROPOSED CONTOUR (HARD)
↷	PROPOSED FLOW DIRECTION	UTEL	EXISTING UNDERGROUND TELEPHONE CABLE
⊗	EXISTING GAS METER	UTV	EXISTING UNDERGROUND TELEVISION CABLE
⊗	EXISTING GAS VALVE	UGE	EXISTING UNDERGROUND ELECTRICAL POWER CABLE
←	EXISTING GUY WIRE & ANCHOR PIN		JURISDICTIONAL WETLAND LINE
⊞	EXISTING MAIL BOX	BSAN	EXISTING SANITARY SEWER (# INDICATES SIZE)
○	EXISTING MANHOLE (UNKNOWN)	BWM	EXISTING WATER MAIN (# INDICATES SIZE)
⦿	PROPOSED MANHOLE	=====	EXISTING PIPE OR CONDUIT (TYPE SPECIFIED)
⊗	EXISTING SANITARY SEWER CLEANOUT	---	EXISTING SWALE OR CENTER OF DITCH
⊗	EXISTING SANITARY SEWER MANHOLE	---	PROPOSED SWALE OR CENTER OF DITCH
⊞	EXISTING ROAD SIGNS AND POSTS	---	EXISTING TOP OF DITCH BANK
⚡	PROPOSED SIGN AND POST	---	EXISTING BOTTOM OF DITCH BANK
⚡	EXISTING TEE	// // //	EXISTING WOOD FENCE
○	EXISTING UTILITY POLE	* *	EXISTING WIRE OR CHAIN LINK FENCE
⊞	EXISTING VALVE IRRIGATION	* *	PROPOSED WIRE OR CHAIN LINK FENCE
⊞	EXISTING VALVE WATER	-----	PROPOSED SILT/SEDIMENT FENCE
⚡	PROPOSED WATER VALVE	-----	PROPOSED COIR ROLL OR WATTLE
⊞	EXISTING WATER METER	-----	PROPOSED FLOATING TURBIDITY BARRIER
⊞	EXISTING STORM SEWER WITH INLET	TP TP	PROPOSED TREE PROTECTION
⊞	PROPOSED STORM SEWER WITH INLET		
●	FOUND 1/2" CAPPED IRON ROD L.B. #3724		
●	FOUND 1/2" IRON ROD (NO I.D.)		

SITE AND GENERAL INFORMATION

THE PROPERTY AREA BOUNDARY CONSISTS OF 531,032 SF OR 12.191 ACRES. FOR BOUNDARY AND TOPOGRAPHIC SURVEY REFER TO THE SURVEY PERFORMED BY CENTRAL FLORIDA LAND SURVEYING, JOB No. 232, SIGNED: OCTOBER 4, 2025.

1.

THE EXISTING AND PROPOSED ZONING IS PO (PROFESSIONAL OFFICE).
2.

THE TAX PARCEL NUMBER IS 20-20-28-3000-000-027.
6.

THE EXISTING SITE CONDITION IS OPEN LAND THE FLUCFCS LAND USE IS (1900) .
7.

PER THE USDA NATURAL RESOURCES CONSERVATION SERVICE FOR ORAGE COUNTY, THE SCS SOILS MAP INDICATES THE SITE CONSISTS OF (4) CANDLER SANDS WITH 0% TO 5% SLOPES AND (5) CANDLER SANDS WITH 5% TO 12% SLOPES.
8.

THE SITE IS LOCATED WITHIN ZONE "X" PER FEMA MAP PANEL No. 12095C0110H, DATED SPETEMBER 24, 2021.
9.

THE SITE IS NOT LOCATED WITHIN THE LIMITS OF A WELLHEAD PROTECTION ZONE AND THERE IS NO ORDINARY HIGH WATER (OHW) LINE WITHIN THE SITE.
10.

STORM WATER TREATMENT AND ATTENUATION WILL BE PROVIDED BY TWO DRY RETENTION PONDS.

SITE PREPARATION FOR PAVEMENT

1.

PRIOR TO CONSTRUCTION, THE LOCATION OF EXISTING UNDERGROUND UTILITY LINES WITHIN THE CONSTRUCTION AREA SHOULD BE ESTABLISHED. PROVISIONS SHOULD BE MADE TO RELOCATE INTERFERING UTILITIES TO APPROPRIATE LOCATIONS. IT SHOULD BE NOTED THAT IF UNDERGROUND PIPES ARE NOT PROPERLY REMOVED OR PLUGGED, THEY MAY SERVE AS CONDUITS FOR SUBSURFACE EROSION WHICH MAY SUBSEQUENTLY LEAD TO EXCESSIVE SETTLEMENT OF THE OVERLYING STRUCTURES.
2.

STRIP THE PROPOSED CONSTRUCTION LIMITS OF ALL GRASS, ROOTS, TOPSOIL AND OTHER DELETERIOUS MATERIALS WITHIN AND 3 FEET BEYOND THE PROPOSED PAVEMENT LIMITS. EXPECT INITIAL CLEARING AND GRUBBING TO DEPTHS OF APPROXIMATELY 6 TO 12-INCHES.
3.

PROOF-COMPACT THE EXPOSED SURFACE WITH LIGHT TO MEDIUM ROLLER UNTIL YOU MAINTAIN DENSITY OF AT LEAST 98 PERCENT SHOULD BE OBTAINED IN THE UPPER 12 INCHES BELOW BASE COURSE. THE COMPACTED SOILS SHALL EXHIBIT MOISTURE CONTENT WITHIN 2 PERCENT OF THE SOILS OPTIMUM MOISTURE CONTENT AS DETERMINED BY THE MODIFIED PROCTOR TEST (ASTM D-1557). VIBRATORY EQUIPMENT SHOULD BE OPERATED IN STATIC MODE WITHIN 75 FEET OF ADJACENT STRUCTURES.
4.

SHOULD THE SOILS EXPERIENCE PUMPING AND SOIL STRENGTH LOSS DURING THE COMPACTION OPERATIONS, COMPACTION WORK SHOULD BE IMMEDIATELY TERMINATED AND (1) THE DISTURBED SOILS REMOVED AND BACKFILLED WITH DRY STRUCTURAL FILL SOILS WHICH ARE THEN COMPACTED, OR (2) THE EXCESS MOISTURE CONTENT WITHIN THE DISTURBED SOILS IS ALLOWED TO DISSIPATE BEFORE RECOMPACTING.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC STANDARD PLANS - 2025 / 2026 AND QUALIFIED PRODUCTS LIST

STANDARD PLANS		STANDARD PLANS	
INDEX No.	DESCRIPTION	INDEX No.	DESCRIPTION
102-600	GENERAL INFORMATION FOR TRAFFIC CONTROL THROUGH WORK ZONES	425-020	CURB INLET TOPS - TYPES 1, 2, 3 AND 4
102-601	TWO-LANE AND MULTILANE ROADWAY, WORK BEYOND THE SHOULDER	425-024	CURB INLET TOP - TYPE 9
102-602	TWO-LANE AND MULTILANE, WORK ON SHOULDER	430-010	U-TYPE CONCRETE ENDWALLS WITH GRATES - 15" TO 30" PIPE
102-603	TWO-LANE, TWO-WAY, WORK WITHIN THE TRAVEL WAY	520-001	CURB AND GUTTER
102-660	SIDEWALK CLOSURE	522-001	CONCRETE SIDEWALK
110-100	TREE PROTECTION AND PRESERVATION	522-002	DETECTABLE WARNING AND SIDEWALK CURB RAMPS
350-001	CONCRETE PAVEMENT JOINTS	700-101	TYPICAL SECTIONS FOR PLACEMENT OF SINGLE AND MULTIPLE-COLUMN SIGNS
425-001	SUPPLEMENTARY DETAILS FOR DRAINAGE STRUCTURES	700-010	SINGLE COLUMN GROUND SIGNS
425-010	STRUCTURE BOTTOMS - TYPES J AND P	706-001	TYPICAL PLACEMENT OF RAISED PAVEMENT MARKINGS
		711-001	PAVEMENT MARKINGS

ABBREVIATIONS

AWWA WORKS	AMERICAN WATER ASSOCIATION	GW	GROUND WATER	R	RADIUS
CMP	CORRUGATED METAL	H/C	HANDICAP	RCP	REINFORCED CONCRETE PIPE
PIPE		HDPE	HIGH DENSITY POLYETHYLENE	RPM	REFLECTIVE PAVEMENT MARKER
CPP	CORRUGATED PLASTIC PIPE	INV	INVERT	R/W	RIGHT-OF-WAY
CTV	CABLE TELEVISION	K _h	HORIZONTAL PERMEABILITY	SAN	SANITARY
DIP	DUCTILE IRON PIPE	K _v	VERTICAL PERMEABILITY	SH	SEASONAL HIGH
ESMT	EASEMENT	KO	KNOCK OUT	SMH	SANITARY MANHOLE
EXIST	EXISTING	LF	LINEAL FEET	SRWMD	ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
FAC	FLORIDA ADMINISTRATIVE CODE	MB	MAP BOOK	SS	SANITARY SEWER
FDEP	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION	MES	MITERED END SECTION	SWPPP	STORMWATER POLLUTION PREVENTION PLAN
FEMA	FEDERAL EMERGENCY MANAGEMENT AGENCY	MJ	MECHANICAL JOINT	TSB	TEMPORARY SEDIMENT BASIN
FH	FIRE HYDRANT	N/A	NOT APPLICABLE	TYP	TYPICAL
FOC	FIBER OPTIC CABLE	NGVD	NATIONAL GEODETIC VERTICAL DATUM	UGE	UNDERGROUND ELECTRIC
FF EL	FINISH FLOOR ELEVATION	OHE	OVERHEAD ELECTRIC	UGT	UNDERGROUND TELEPHONE
FM	FORCE MAIN	OR	OFFICIAL RECORD	USACOE	UNITED STATES ARMY CORP OF ENGINEERS
FPD	FEET PER DAY	PG	PAGE	W	WATER (POTABLE)
G	GAS	PSI	POUNDS PER SQUARE INCH		
GPC	GULF POWER COMPANY	PVC	POLYVINYL CHLORIDE		
		PVMT	PAVEMENT		

PROPERTY INFORMATION	
FUTURE LAND USE (FLU)	PR -PARKS AND RECREATION
ZONING (W/ OVERLAY)	O - OFFICE
FLOODZONE	X
BUILDING USES	N/A

SITE COVERAGE			
AREA TYPE	SF	ACRE	% SITE
TENNIS AND PICKLEBALL COURTS	148198	3.402	27.9%
PAVEMENT & CURBING	50071	1.149	9.4%
SIDEWALKS	11444	0.263	2.2%
TOTAL IMPERVIOUS	208713	4.814	39.5%
DRY RETENTION POND	54190	1.244	10.2%
OTHER GREEN SPACE	267129	6.132	50.3%
TOTAL OPEN SPACE	321319	7.376	60.5%
TOTAL SITE	531032	12.191	100.0%

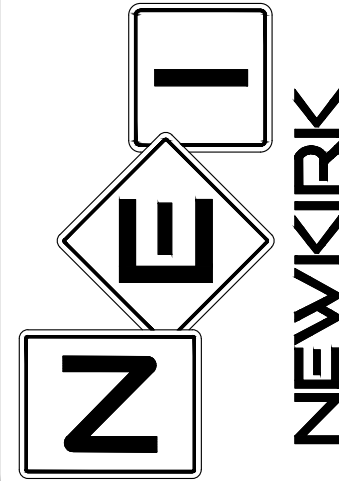
SET BACKS			
	REQUIRED	PROVIDED	
FRONT (NORTHWEST)	25.0 FEET	64.7	FEET
SIDE (NORTHEAST)	25.0 FEET	426.3	FEET
SIDE (EAST)	10.0 FEET	20.3	FEET
REAR/FRONT (SOUTH)	25.0 FEET	117.9	FEET
SIDE (WEST)	25.0 FEET	40.6	FEET

REQUIRED PARKING		
4 PEOPLE PER COURT X 20 COURTS = 80 SPACES		
PROVIDED PARKING		
TYPE	DIMENSIONS	#
STANDARD SPACE	10-FT X 20-FT	110
HANDICAPPED SPACE	12-FT X 20-FT W/ 5-FT AISLE	8

REVISIONS

DATE	DESCRIPTION

1230 North US1, Suite 3
Ormond Beach, Florida 32174
Phone (386) 872-7794
www.Newkirk-Engineering.com
C.A. # 30209
L.C. # 26000584
C 2013
Civil Engineering,
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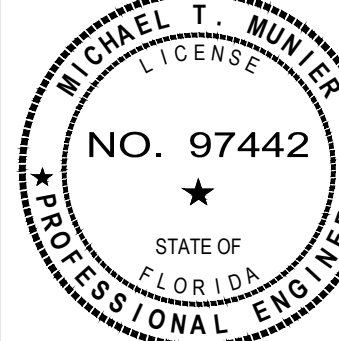


DEVELOPMENT INFORMATION
NW REC COMPLEX TENNIS AND
PICKLEBALL COURTS
BRUSH DRIVE, APOPKA FL 32712

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MICHAEL T. MUNIER, PE # 97442
ON

Michael T Munier
Professional Engineer
State of Florida
No. 97442
Exp. 12/31/2026



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PROJECT No:	2025-2004
DATE:	DECEMBER 2025
DESIGN BY:	MTM
DRAWN BY:	MTM
CHECKED BY:	TJM

DRAWING NUMBER

03

DEMOLITION AND SWPPP NOTES:

1. ALL EROSION CONTROL DEVICES AND VISIBLE BARRICADES SHALL BE INSTALLED AND APPROVED BY THE ENGINEER PRIOR TO THE START OF CLEARING AND GRUBBING.
2. THE CONTRACTOR SHALL SCHEDULE A PRECONSTRUCTION MEETING WITH THE CITY AS SPECIFIED PRIOR TO START OF CONSTRUCTION.
3. THE SITE SHALL BE CLEARED AND GRUBBED OF ALL VEGETATION AND DEBRIS WITHIN THE APPROXIMATE LIMITS OF CLEARING AS INDICATED ON THE DRAWING.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE CITY OF APOPKA UTILITY DEPARTMENT, FLORIDA SUNSHINE AND EMERGENCY SERVICES FOR RESPECTIVE UTILITY LOCATIONS AND "NOTICE" OF CONSTRUCTION ACTIVITY.
5. ALL REMOVED MATERIAL SHALL BE HAULED OFF-SITE TO AN APPROVED LANDFILL. TREES MAY BE LOGGED OR MULCHED FOR OFF-SITE DISPOSAL AT THE CONTRACTOR'S DISCRETION.
6. ALL EROSION CONTROL DEVICES SHALL BE PLACED PRIOR TO THE START OF WORK AND REMAIN IN PLACE UNTIL ALL WORK IS COMPLETE.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR PERIODIC INSPECTION AND REMOVAL OF DEBRIS AND SILT BEHIND EROSION CONTROL DEVICES.
8. ALL INLETS AND PIPE SHALL BE PROTECTED DURING CONSTRUCTION BY INLET PROTECTION MEASURES TO PREVENT SILTATION IN THE DRAINAGE SYSTEM (SEE DETAILS THIS DRAWING). THE ENTIRE DRAINAGE SYSTEM SHALL BE CLEANED OF ALL DEBRIS PRIOR TO FINAL ACCEPTANCE.
9. ALL OFF-SITE AREAS DISTURBED DURING CONSTRUCTION ACTIVITY SHALL BE IMMEDIATELY RESTORED TO PRIOR CONDITION UPON COMPLETION OF WORK.
10. SOILS ARE TO BE STABILIZED BY WATER OR OTHER MEANS DURING CONSTRUCTION. THIS IS INTENDED TO REDUCE SOIL EROSION, BLOWING SAND AND THE IMPACT TO NEIGHBORING PROPERTIES.
11. THE CONTRACTOR SHALL PROVIDE THE ENGINEER OF RECORD AND CITY A MOT PLAN AT PRECONSTRUCTION MEETING. TRAFFIC SHALL BE ALLOWED TO CONTINUE DURING WORK. PROVIDE MEASURES TO DETOUR TRAFFIC AROUND OPEN EXCAVATION WITH ADEQUATE BARRICADES, SIGNAGE AND FLAGPERSON TO DIRECT TRAFFIC. EMERGENCY SERVICES SHALL BE NOTIFIED 48 HOUR IN ADVANCE.
12. EXISTING DRIVEWAYS SHOWN ADJACENT TO OR OUTSIDE LIMITS OF CONSTRUCTION SHALL REMAIN IN-SERVICE. EXISTING UTILITIES AND DRIVEWAYS SHALL NOT BE REMOVED UNLESS OTHERWISE NOTED.
13. IF ANY DEWATERING IS TO OCCUR DURING ANY PHASE OF CONSTRUCTION THEN DEWATERING ACTIVITY SHALL ADHERE TO CHAPTER 40C-22 FAC MORE SPECIFICALLY AS FOLLOWS. PER 40C-22.030(3) A "NOTICED GENERAL SHORT-TERM DEWATERING PERMIT" IS REQUIRED "ONLY IF" DEWATERING EXCEEDS 4 MILLION GALLONS PER DAY, EXCEPT DURING THE FIRST 120 HOURS OF DEWATERING WHEN THE DAILY AND INSTANTANEOUS PUMPAGE RATES SHALL NOT EXCEED 6 MILLION GALLONS PER DAY. AVERAGE DAILY WITHDRAWAL SHALL NOT EXCEED 2 MILLION GALLONS PER DAY FOR THE FIRST 60 DAYS OF THE DEWATERING ACTIVITY AND SHALL NOT EXCEED ONE MILLION GALLONS PER DAY OF A 180 DAY DURATION. EACH SPECIFIC DEWATERING PROJECT SHALL NOT EXCEED 180 DAYS. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE ANY DEWATERING ACTIVITY IS BELOW THE SPECIFIED THRESHOLD. OTHERWISE A PERMIT WILL BE REQUIRED AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL FAMILIARIZE ITSELF WITH CHAPTER 40C-22 FAC AND BE SOLELY RESPONSIBLE FOR OBTAINING AND SUBMITTING FORM RDS-50 TO SJRWMD A MINIMUM OF 10 DAYS PRIOR TO ANY DEWATERING ACTIVITY. SUBMITTAL OF FORM RDS-50 IS NOT REQUIRED IF DEWATERING IS 300,000 GALLONS PER DAY OR LESS AND WILL NOT EXCEED 30 DAYS IN DURATION.

SWPPP INSPECTIONS AND RECORD KEEPING:

INSPECTIONS ARE REQUIRED AT LEAST EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS FOLLOWING A RAINFALL EVENT OF ONE-HALF (½) OF AN INCH OF RAINFALL OR GREATER AND SHALL CONTINUE UNTIL THE SITE COMPLIES WITH FINAL STABILIZATION (NOTICE OF TERMINATION). INSPECTIONS MUST BE CONDUCTED BY A "QUALIFIED" INSPECTOR. "QUALIFIED" IS DEFINED AS A PERSON THAT A). HAS SUCCESSFULLY COMPLETED AND MET ALL REQUIREMENTS NECESSARY TO BE FULLY CERTIFIED THROUGH THE FDEP STORMWATER, EROSION AND SEDIMENTATION CONTROL INSPECTOR TRAINING PROGRAM; B). HAS SUCCESSFULLY COMPLETED AN EQUIVALENT FORMAL TRAINING PROGRAM; OR C). THAT IS QUALIFIED BY OTHER TRAINING OR PRACTICAL EXPERIENCE IN THE FIELD OF STORMWATER POLLUTION PREVENTION AND EROSION AND SEDIMENTATION CONTROL. EACH INSPECTION MUST BE FOLLOWED UP BY A REPORT DOCUMENTING THE INSPECTOR'S FINDINGS AND REQUEST THE REQUIRED MAINTENANCE AND/OR REPAIR FOR THE EROSION AND SEDIMENTATION CONTROL MEASURES. THESE RECORDS ARE USED TO PROVE THAT THE REQUIRED INSPECTION AND MAINTENANCE WERE PERFORMED AND SHALL BE PLACED IN THE SWPPP LEDGER. IN ADDITION TO INSPECTION AND MAINTENANCE REPORTS, RECORDS SHOULD BE KEPT OF CONSTRUCTION ACTIVITIES THAT OCCUR ON THE SITE. THE CONTRACTOR SHALL RETAIN COPIES OF THE SWPPP, ALL REPORTS AND DATA FOR A MINIMUM OF FIVE (5) YEARS AFTER THE PROJECT IS COMPLETE IN PAPER AND CD FORMAT.

EROSION CONTROL NOTES:

1. LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY GOVERNING AUTHORITIES. THE GENERAL CONTRACTOR SHALL STRICTLY ADHERE TO THE SWPPP DURING CONSTRUCTION OPERATIONS.
2. NO LAND CLEARING OR GRADING SHALL BEGIN UNTIL ALL EROSION CONTROL DEVICES HAVE BEEN INSTALLED.
3. THE CONTRACTOR SHALL POST "NO TRESPASSING" SIGNAGE AT ALL SITE ENTRANCES PRIOR TO CONSTRUCTION.
4. THIS PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE AS THE GENERAL CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE SITE.
5. GENERAL CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL ORDINANCES THAT APPLY.
6. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTION.
7. IF INSTALLATION OF STORM DRAINAGE SYSTEM SHOULD BE INTERRUPTED BY WEATHER OF NIGHTFALL, THE PIPE ENDS SHALL BE COVERED WITH FILTER FABRIC.
8. GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO TAKE WHATEVER MEANS NECESSARY TO ESTABLISH PERMANENT SOIL STABILIZATION.
9. PROVIDE DUST CONTROL FOR ALL EARTHWORK OPERATIONS. COVER AREA WITH LIGHT COATING OF WATER OR OTHER APPROVED METHOD.
10. SILT FENCES AND TREE BARRICADES ARE TO BE INSPECTED AND APPROVED BY THE CITY PRIOR TO THE START OF CONSTRUCTION.

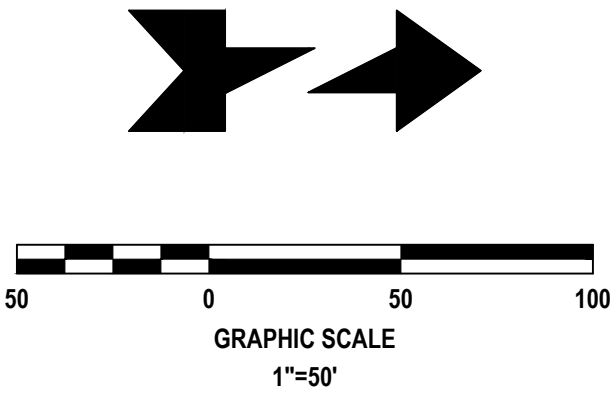
BENCHMARK INFORMATION:

- #1 SET 1/2" IRON ROD "LB 8573" ELEVATION = 126.25
- #2 SET NAIL AND DISK "LB 8573" ELEVATION = 115.09
- #3 FIND NAIL AND DISK "LB 2108" ELEVATION = 138.31

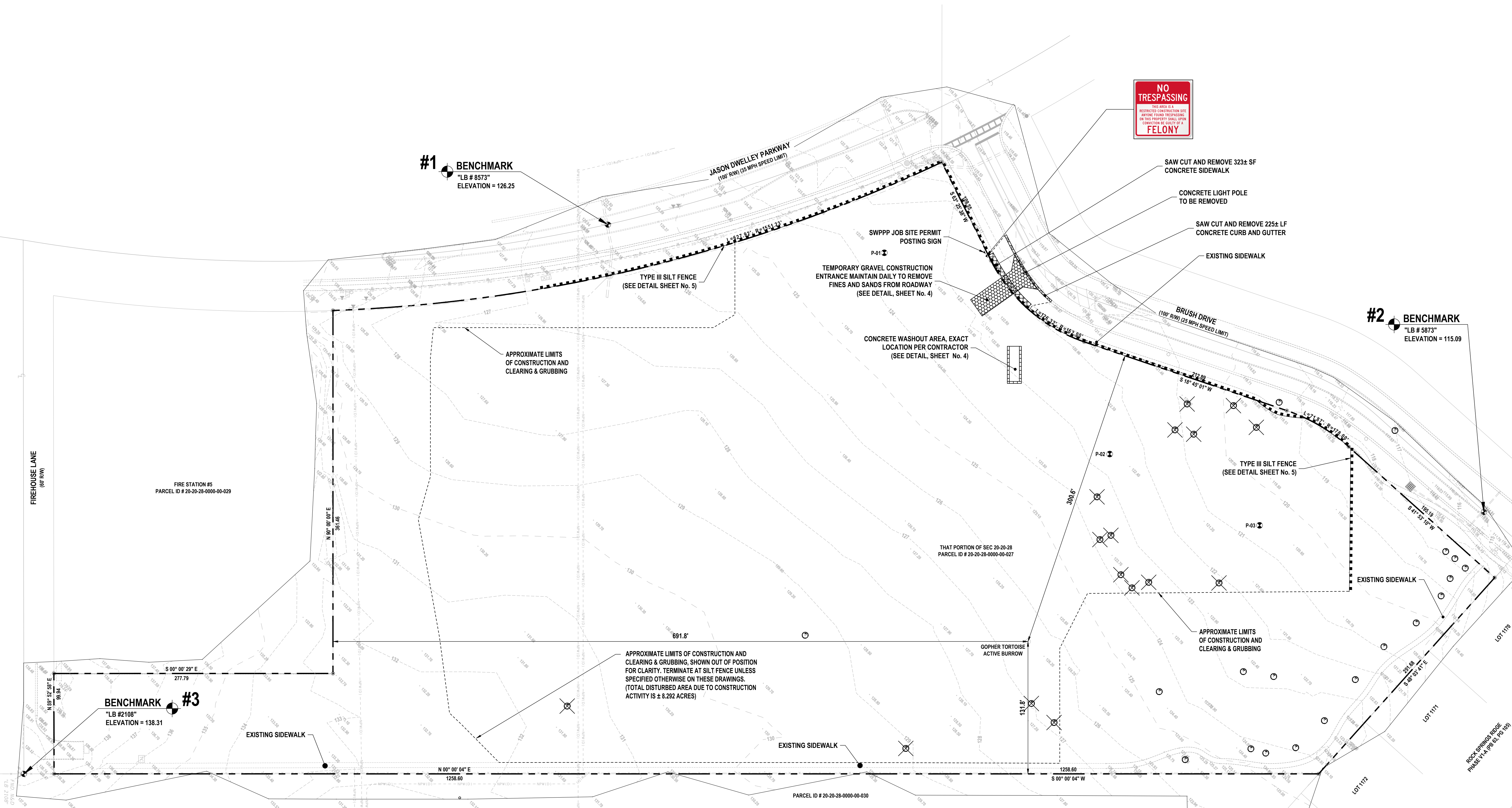
VERTICAL DATA ELEVATIONS ARE BASED ON FDOT NETWORK, GPS NAVD88.

LEGEND:

- PROPOSED SILT FENCE (SEE DETAIL, SHEET No. 5)
- PROPOSED TREE BARRICADE (SEE CITY DETAIL DOCUMENT, SHEET No. 5)
- TREE TO BE REMOVED
- SIDEWALK AND CURB DEMOLITION



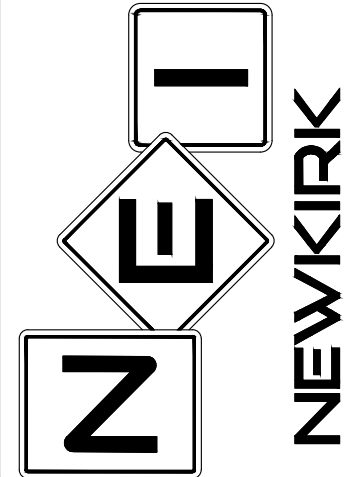
WARNING !! CONTRACTOR SHALL TAKE ALL PRECAUTIONS DURING CONSTRUCTION TO AVOID CONTACT WITH EXISTING UNDERGROUND UTILITIES AND OVERHEAD ELECTRIC IN THE RIGHT-OF-WAY.



REVISIONS

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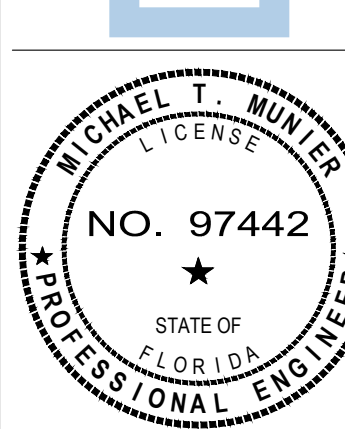


DEMOLITION AND SWPPP PLAN
NW REC COMPLEX TENNIS AND
PICKLEBALL COURTS
BRUSH DRIVE, APOPKA FL 32172

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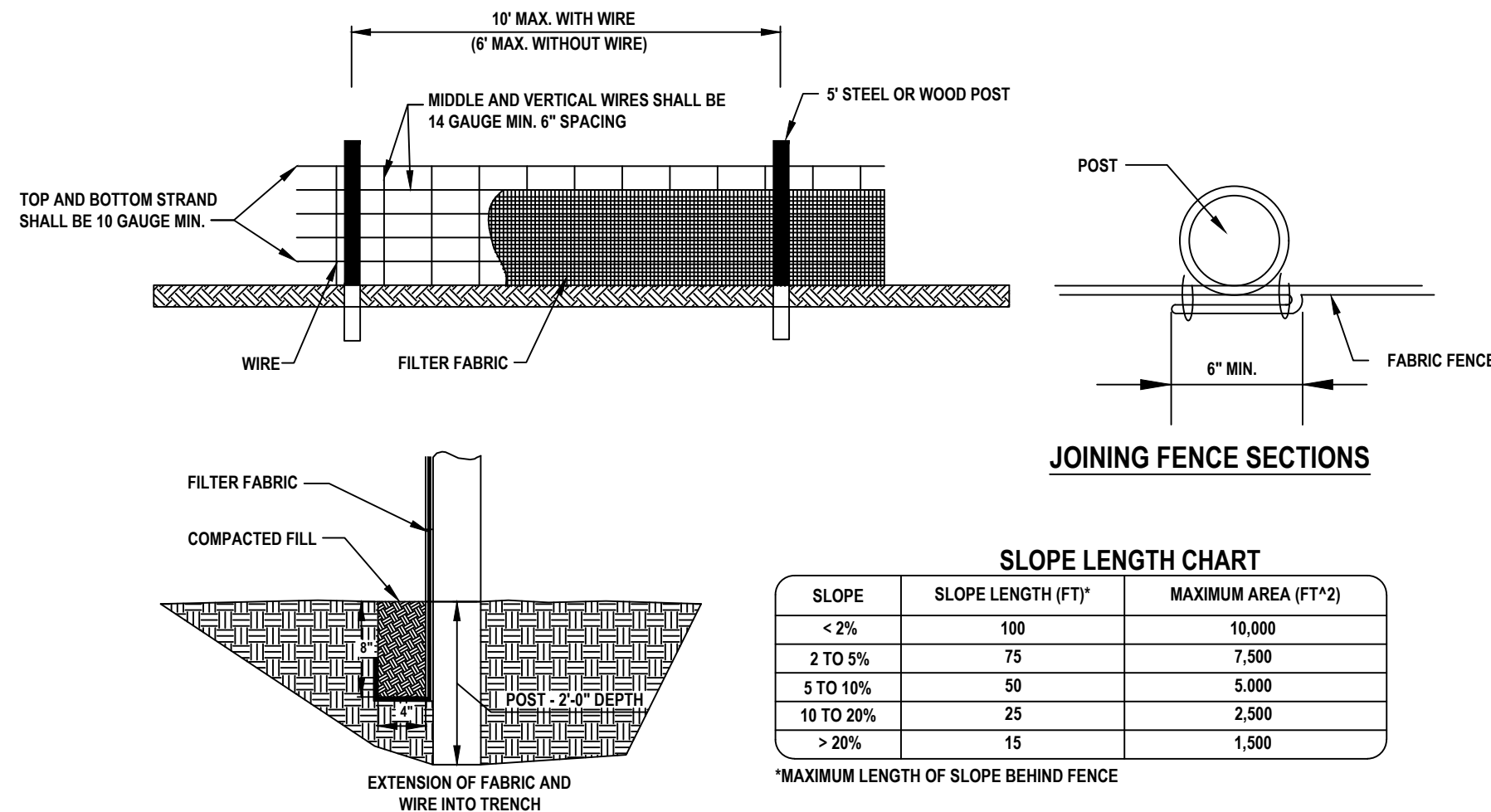


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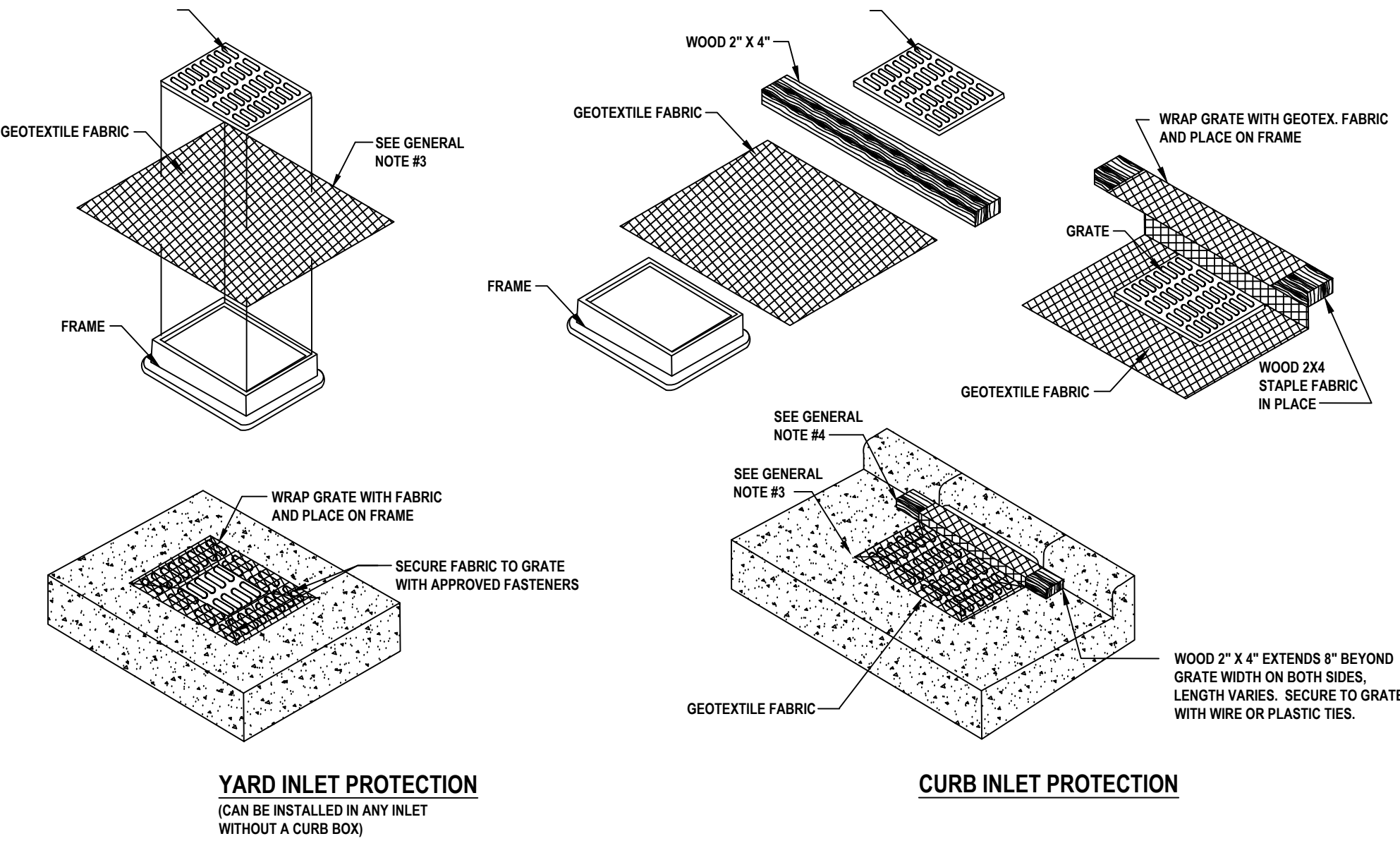
04



- NOTES:**
1. WWM MINIMUM 32" WIDTH WITH A MINIMUM OF 6 LINE WIRES WITH 12" STAY SPACING.
 2. FILTER FABRIC SHALL BE 36" WIDE AND SHALL BE FASTENED ADEQUATELY TO THE WIRE.
 3. STEEL POST SHALL BE 5'-0" IN LENGTH AND BE OF THE SELF-FASTENER ANGLE STEEL TYPE.
 4. WOOD POST SHALL BE 5'-0" IN LENGTH AND 2" IN DIAMETER.
 5. SUPPORT POSTS SHALL BE INSTALLED ON THE DOWNHILL SIDE OF THE SEDIMENT FENCE (DOWNSTREAM FROM EXPECTED FLOWS)
 6. ACCUMULATED SEDIMENT SHALL REMOVED WHEN 25% THE HEIGHT OF FENCE.
 7. MAXIMUM DRAINAGE AREA 10,000 SF PER 100' OF FENCE.
 8. MAXIMUM LENGTH UPSLOPE FROM FENCE PER CHART.

SEDIMENT FENCE DETAIL

NOT TO SCALE



- GENERAL NOTES:**
1. GEOTEXTILE TO BE MIRAFI FILTERWEAVE 402 OR GEOTEX 111F. ALTERNATIVES INCLUDE APPROVED EQUAL ASTM D4491 OR 100 TO 150 GALLON PER MINUTE PER SQUARE FOOT.
 2. WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.
 3. FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
 4. FOR CURB INLET PROTECTION AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
 5. TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.
 6. THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS, OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

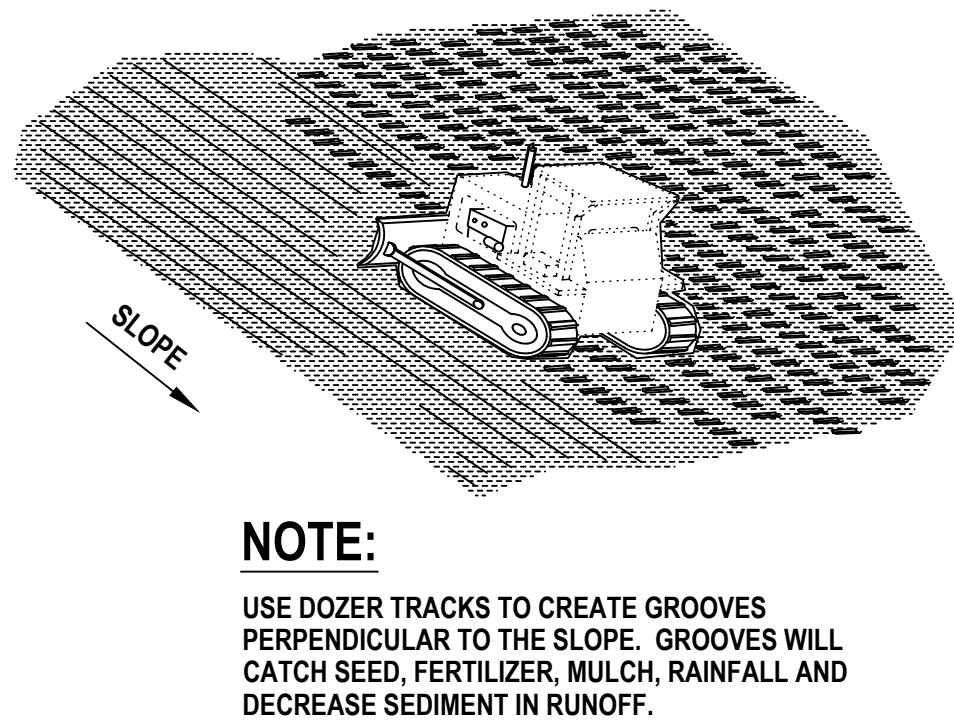
GEOTEXTILE FABRIC INLET PROTECTION

NOT TO SCALE

1. STONE SIZE - #2 COARSE AGGREGATE, OR RECLAIMED/RECYCLED CONCRETE.
2. LENGTH - AS EFFECTIVE BUT NOT LESS THAN 50'
3. DEPTH - 8" MINIMUM (COMPACTED)
4. WIDTH - 20' MINIMUM
5. GEOTEXTILE - 100% POLYPROPYLENE, 4 OZ/SY OVER THE ENTIRE AREA PRIOR TO PLACEMENT OF AGGREGATE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 6:1 SLOPES IS ACCEPTABLE.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. MAINTAIN PERIODIC TOP DRESSING OF ADDITIONAL AGGREGATE AS CONDITIONS REQUIRE AND REPAIR AND/OR CLEANOUT ANY AREAS USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, WASHING SHALL BE DONE ON AN AREA STABILIZED WITH AGGREGATE WHICH DRAINS INTO AN APPROVED SEDIMENT POND OR SWALE.
9. INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN OR WEEKLY AT A MINIMUM.

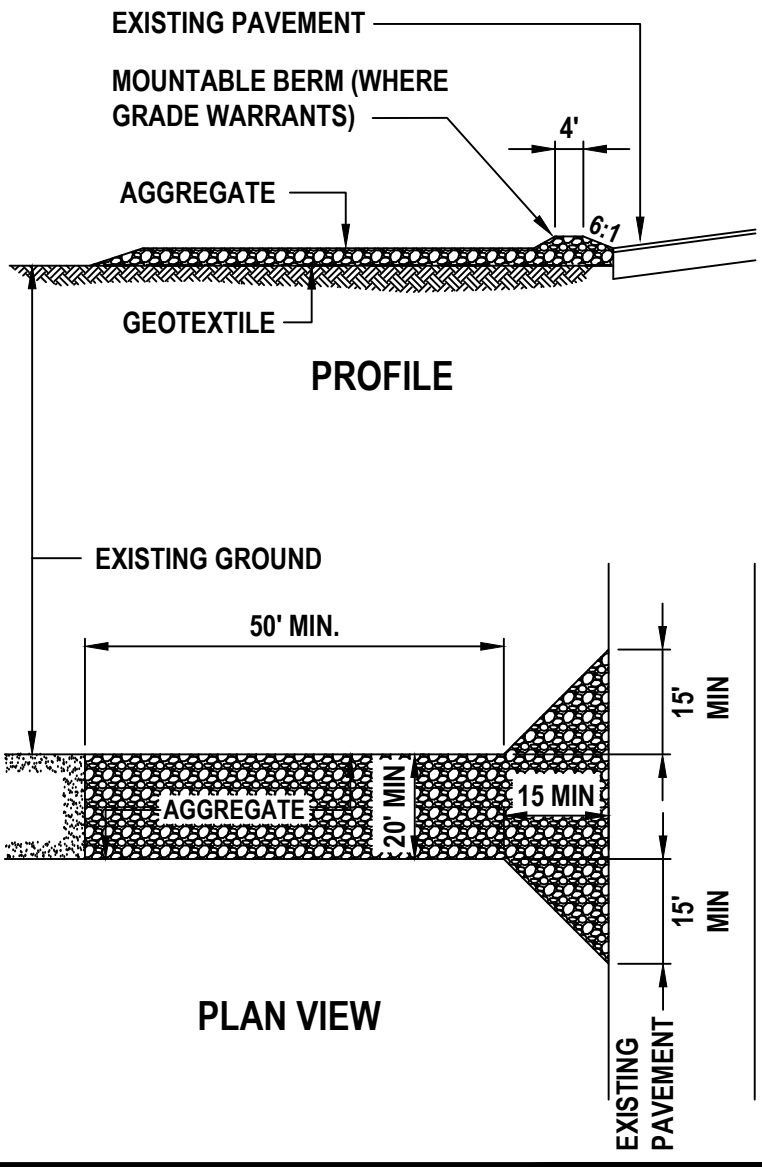
CONSTRUCTION ENTRANCE DETAIL

NOT TO SCALE



TRACKING DETAIL

NOT TO SCALE



SEEDING/MULCHING NOTES

GENERAL
SEEDING CAN BE USED FOR TEMPORARY STABILIZATION. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS CEASED FOR MORE THAN 7 DAYS SHALL BE TEMPORARILY SEEDED AND WATERED. AREAS WHERE FINAL GRADING HAS BEEN COMPLETED FOR MORE THAN 7 DAYS SHALL BE TEMPORARILY SEEDED. TEMPORARY SEED MIXTURE IS SPECIFIED BELOW.

SEEDING MIXTURES
SEED MIXTURE SHALL BE BERMUDA COMMON 90 LB PURE LIVE SEED PER ACRE, FIBER 2000 LB PER ACRE, STABILIZER 120 LB PER ACRE AND FERTILIZER 300 LB PER ACRE.

ALL SLOPES AND FLAT GRADE
APPLY 6:20:20 COMMERCIAL ORGANIC FERTILIZER AT A RATE OF 300 LB PER ACRE AND SEED IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:

TEMPORARY SEEDING PLANTING DATES	SEED VARIETY	APPLICATION RATE
MARCH 15 - OCTOBER 15	PENSACOLA BAHIA (SCARIFIED) BERMUDA COMMON (50% HULLED)	90 25
OCTOBER 16 - MARCH 14	PENSACOLA BAHIA (SCARIFIED) BERMUDA COMMON (50% HULLED) ANNUAL RYE GRASS RYE GRAIN	100 35 10 30

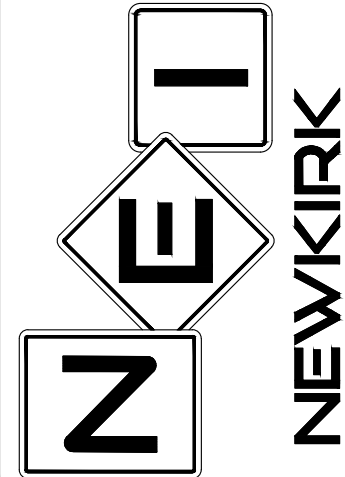
MULCH SEEDED AREA WITH 2 TONS PER ACRE CLEAN GRAIN STRAW. ANCHOR STRAW WITH HYDRAULIC WOOD FIBER MULCH AT THE RATE OF 1000 LB PER ACRE, OR 150-200 POUNDS OF ORGANIC MULCH TACKIFIER PER ACRE, OR USE NETTING.

HYDRO FIBER MULCH MIXTURE SHALL BE PERFORMED IN A TANK WITH A CONTINUOUS AGITATION AND RECIRCULATION SYSTEM WITH SUFFICIENT OPERATING CAPACITY TO PRODUCE A HOMOGENOUS SLURRY AND DISCHARGE SYSTEM WHICH WILL APPLY THE SLURRY AT A CONTINUOUS AND UNIFORM RATE. MIXTURE SHALL CONTAIN A GREEN FUGITIVE DYE AS AN APPLICATION INDICATOR.

REVISIONS

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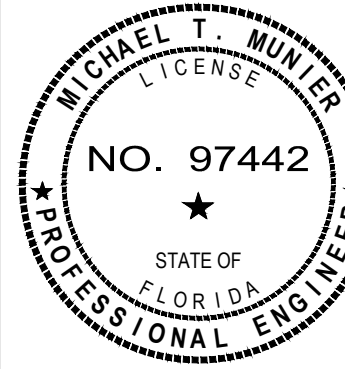


EROSION CONTROL PLAN
NW REC COMPLEX TENNIS AND PICKLEBALL COURTS
BRUSH DRIVE, APOPKA FL 32712

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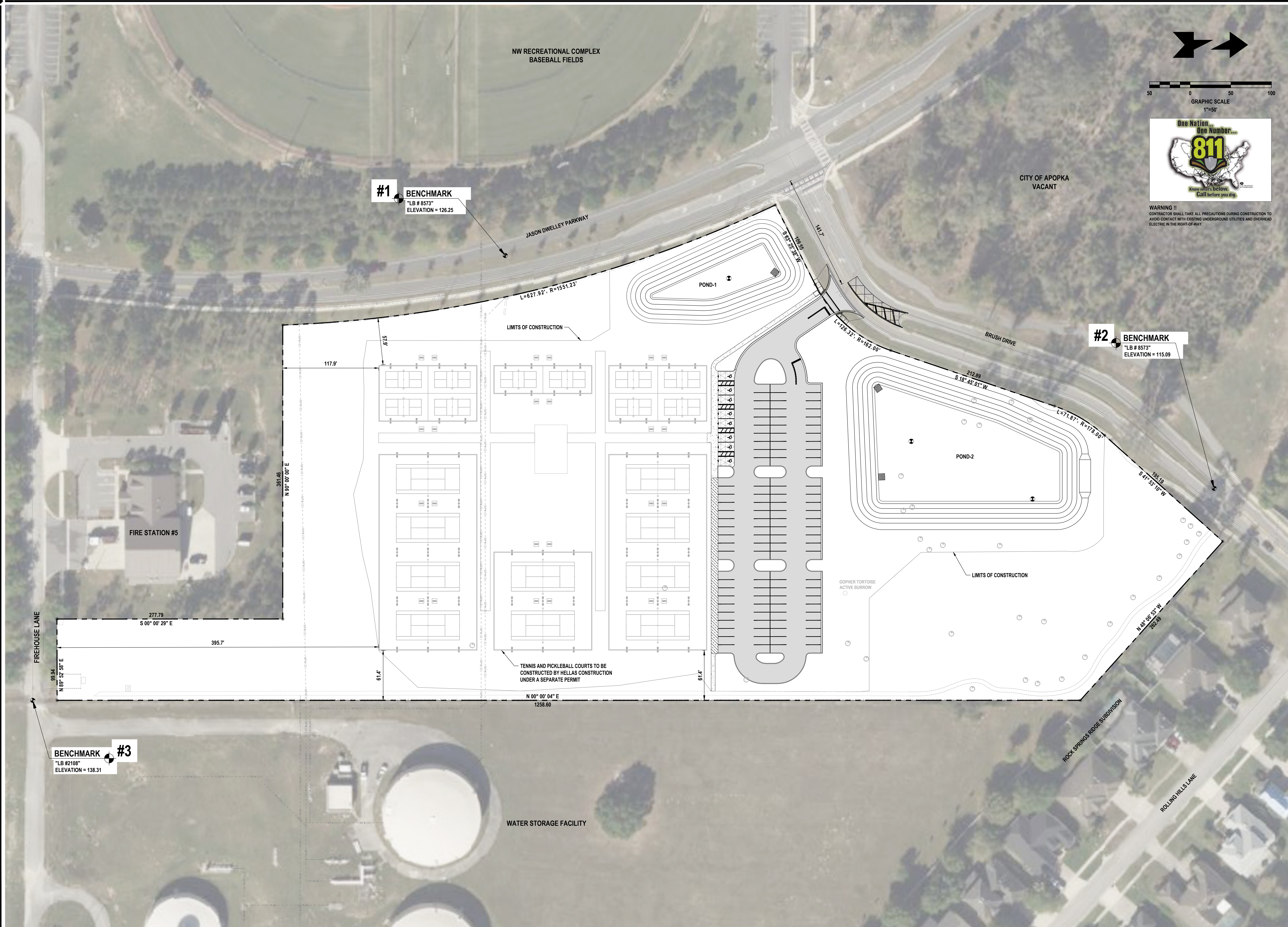


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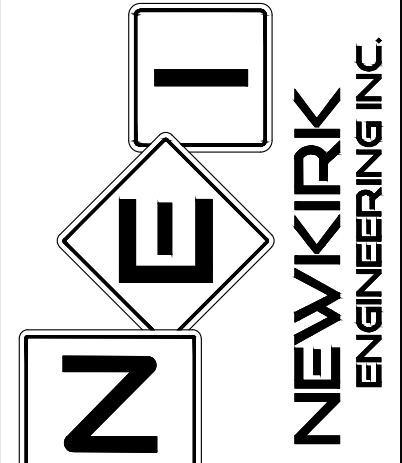
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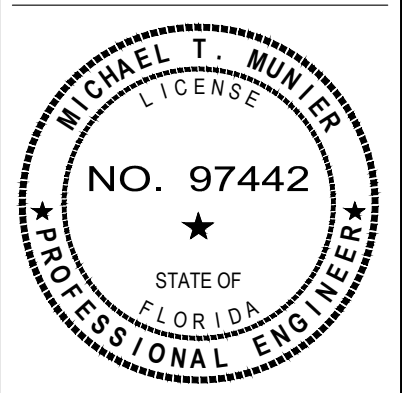


OVERALL DEVELOPMENT PLAN
NW REC COMPLEX TENNIS AND
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BRUSH DRIVE, APOPKA FL 32712

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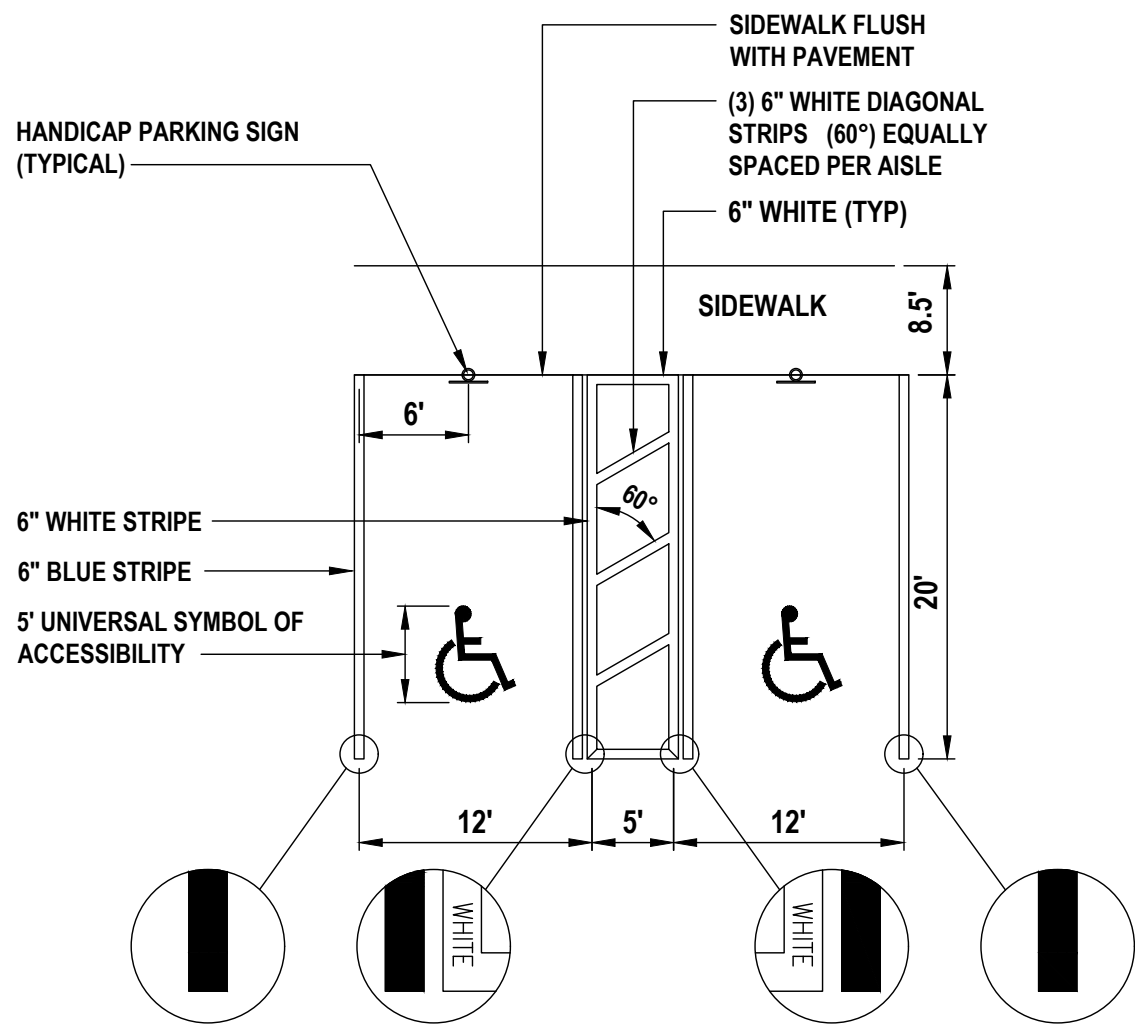


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ACCESSIBLE PARKING STRIPING

SCALE: 1" = 10'

(UNIVERSAL SPACES PER
FLORIDA ADA)

GENERAL NOTES:

- CITY OF APOPKA BUILDING PERMITS ARE REQUIRED FOR BUILDING, DUMPSTER ENCLOSURE, LIGHT POLES, SCREEN WALLS AND MONUMENT SIGNS. CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING APPROPRIATE INFORMATION (ENGINEERING, SPECIFICATIONS, SHOP DRAWINGS, ETC.).
- ALL IMPROVEMENTS SHALL BE STAKED FOR CONSTRUCTION BY MEANS OF DIGITAL COORDINATES BY SURVEYOR UTILIZING GEODETIC TOTAL STATION OR GPS. SCALING OF DRAWINGS FOR PURPOSES OF STAKING ARE AT THE SURVEYOR'S RISK.
- THE CONTRACTOR SHALL COORDINATE WITH THE EXISTING ADJACENT BUSINESSES TO ENSURE THERE IS NO DISRUPTION TO THEIR RESPECTIVE OPERATIONS.
- THE CONTRACTOR AT ITS OWN DISCRETION SHALL MAINTAIN THE CONSTRUCTION SITE SECURE FROM TRESPASS.
- SOD ALL DISTURBED AREAS BESIDES THE DRY POND BOTTOM WITH BAHIA SOD. THE POND BOTTOM MUST BE SEED AND MULCH

PAVEMENT MARKING NOTES:

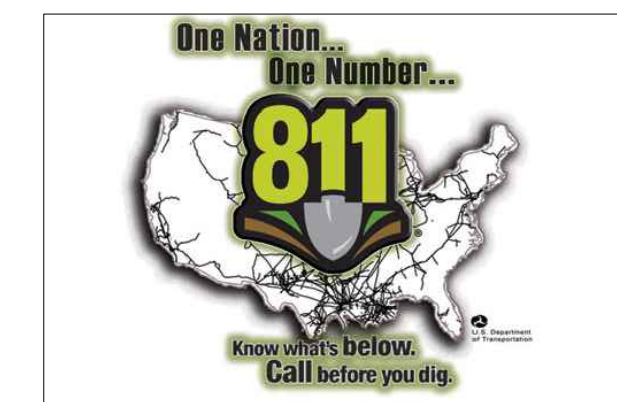
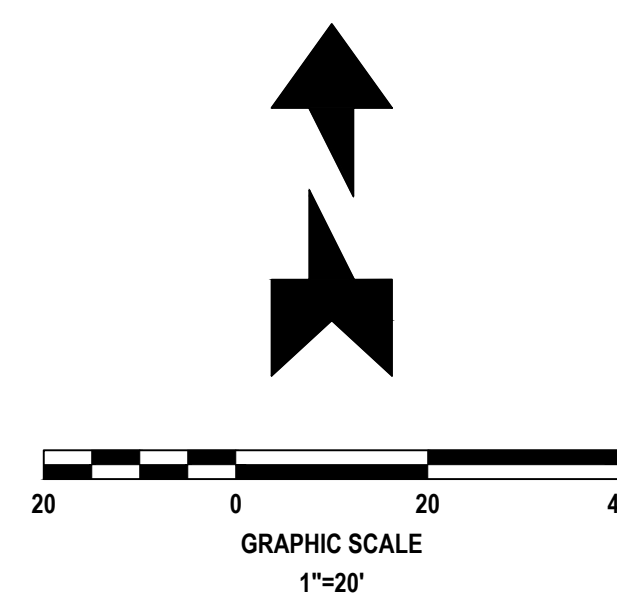
- PAINTED PAVEMENT MARKINGS SHALL BE APPLIED AFTER PAVEMENT SURFACE HAS CURED. SURFACE SHALL BE FREE OF FINE SAND AND DEBRIS PRIOR TO APPLICATIONS.
- ALL REFLECTIVE PAVEMENT MARKERS ARE TO BE PLACED IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX No. 706-001.
- ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX No. 700-101 AND THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS".
- LOCATION OF SIGNS IS APPROXIMATE ONLY AND IS SUBJECT TO CHANGE AS DIRECTED BY THE ENGINEER.
- FOR ADDITIONAL DETAILS SEE FDOT STANDARD PLANS INDEX No. 522-002, 700-010, 700-101, 706-001 AND 711-001.

STRIPING LEGEND:

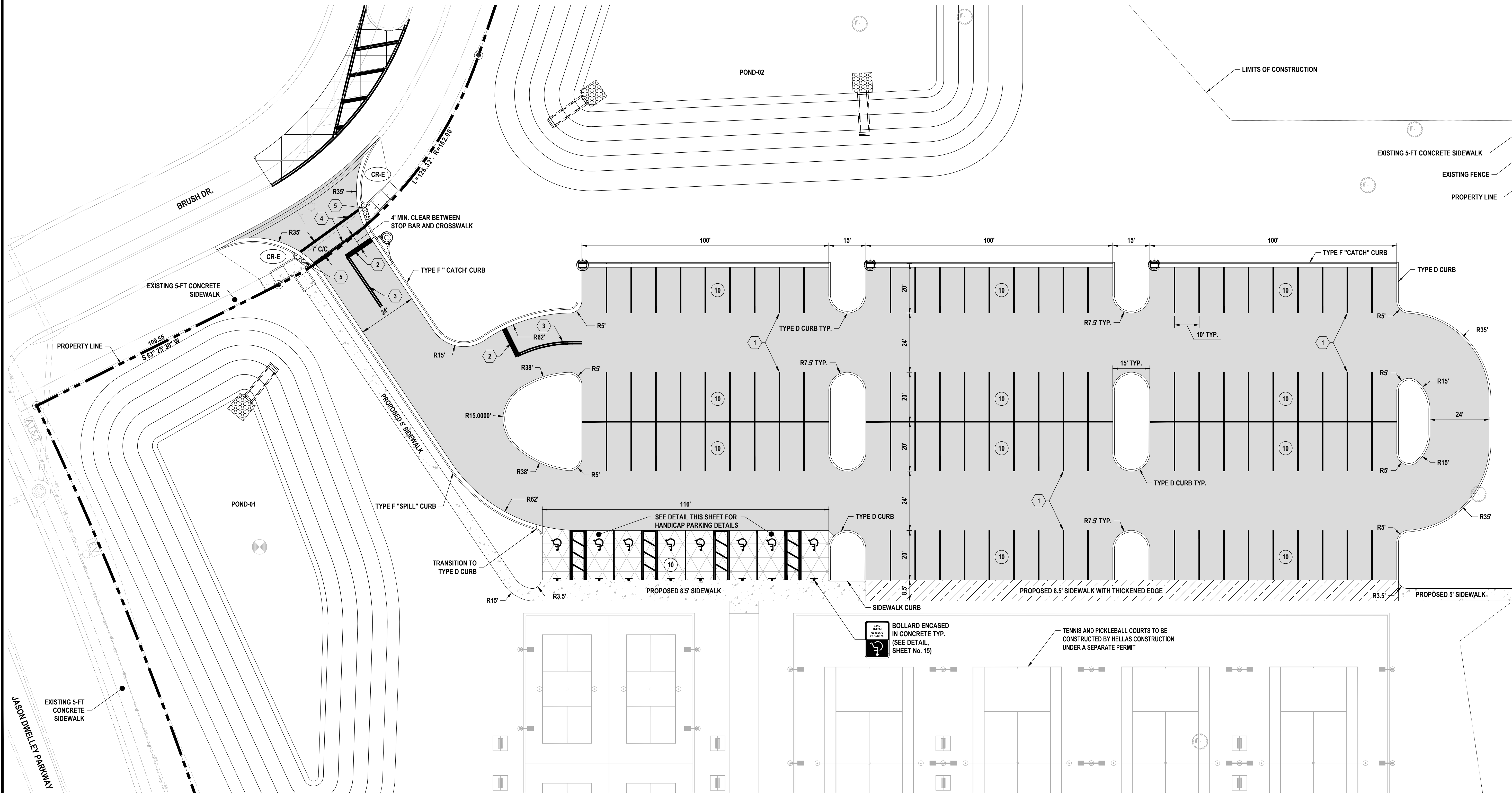
- 6" SOLID WHITE LINE (TYPICAL) PER FDOT STANDARD PLANS INDEX No. 711-001
- 24" WHITE STOP BAR (THERMOPLASTIC) PER FDOT STANDARD PLANS INDEX No. 711-001
- 6" SOLID DOUBLE YELLOW LINE (TYPICAL) PER FDOT STANDARD PLANS INDEX No. 711-001
- 12" WHITE CROSSWALK (THERMOPLASTIC) PER FDOT STANDARD PLANS INDEX No. 711-001
- 24" DETECTABLE WARNING MAT PER FDOT STANDARD PLANS INDEX No. 522-002

LEGEND

- ASPHALT PAVEMENT
1.5" THICK TYPE SP-12.5 (TL-8) ASPHALT
8" LIMEROCK OR OTHER APPROVED OBG-98 COMPACTED TO A 98% MAXIMUM DRY DENSITY PER AASHTO T-190 AND CONSTRUCTED IN TWO LIFTS
12" STABILIZED SUBGRADE COMPACTED TO A 98% MAXIMUM DRY DENSITY PER AASHTO T-190
- CONCRETE SIDEWALK
4" THICK CONCRETE (3,000 P.S.I. @ 28 DAYS) CLASS I, APPROVED FDOT DESIGN MIX (FDOT STANDARD PLAN 522-001)
- CONCRETE SIDEWALK WITH THICKENED EDGE
6" CONCRETE (3,000 P.S.I. @ 28 DAYS) CLASS I, APPROVED FDOT DESIGN MIX (FDOT STANDARD PLAN 522-001)
- CONCRETE PAVEMENT
6" CONCRETE (4,000 P.S.I. @ 28 DAYS) SUBGRADE COMPACTED TO A 98% MAXIMUM DRY DENSITY PER ASTM D-1557
- MILLING AND RESURFACING



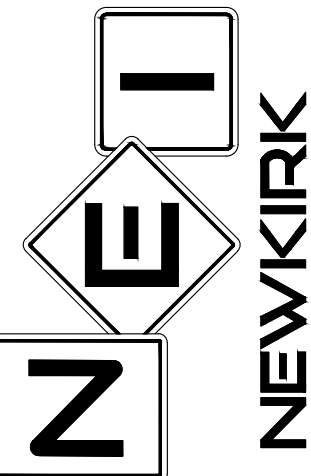
WARNING !!
CONTRACTOR SHALL TAKE ALL PRECAUTIONS DURING CONSTRUCTION TO AVOID CONTACT WITH EXISTING UNDERGROUND UTILITIES AND OVERHEAD ELECTRIC IN THE RIGHT-OF-WAY.



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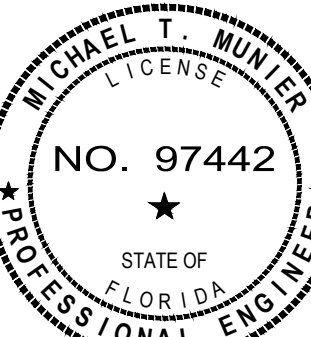
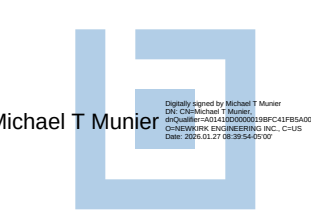
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PARKING LOT LAYOUT
NW REC COMPLEX PICKLEBALL
COURTS
BRUSH DRIVE, APOPKA FL 32712

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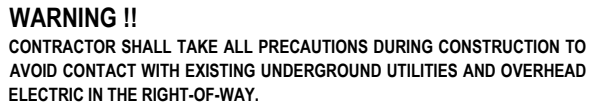
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07

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO DRAINAGE SYSTEM AND SHALL RESTORE ANY DAMAGED STRUCTURES.
2. ALL STORM PIPE SHALL BE CONSTRUCTED OF CLASS III REINFORCED CONCRETE PIPE (RCP) WITH CERTIFIED WATERTIGHT JOINTS BY THE MANUFACTURER.
3. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL MATERIAL AND STRUCTURES TO THE ENGINEER (NEWKIRK ENGINEERING, INC.) FOR APPROVAL PRIOR TO THE PRECONSTRUCTION MEETING.
4. CONTRACTOR TO PLACE FILTER FABRIC BETWEEN DRAINAGE STRUCTURES AND TOPS TO PREVENT SOIL INTRUSION. THE FABRIC SHALL BE PERIODICALLY CLEANED OF SAND A DEBRIS FABRIC SHALL REMAIN IN PLACE UNTIL PAVING IS COMPLETE.
5. ALL EXISTING STRUCTURES UNLESS OTHERWISE NOTED, ARE TO REMAIN. FENCING TREES, & ETC., WITHIN THE CONSTRUCTION AREA SHALL BE REMOVED AND DISPOSED OF OFFSITE.
6. ALL DRAINAGE STRUCTURES SHALL BE PRE-CAST PER FDOT SPECIFICATIONS.
7. ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES SHALL MEET HEAVY DUTY TRAFFIC (H20) LOADING AND BE INSTALLED ACCORDINGLY PER FDOT STANDARD SPECIFICATIONS AND MANUFACTURERS SPECIFICATIONS RESPECTIVELY.
8. ALL DRAINAGE STRUCTURES AND PIPES SHALL BE CLEANED OF SAND AT THE LAST STAGE OF CONSTRUCTION PRIOR TO THE FINAL INSPECTION.
9. ALL STORM INLET GRATES SHALL BE STEEL (TRAFFIC RATED TO MINIMUM H-20 LOADING).

STRUCTURE ID	STRUCTURE TYPE	EOP/GRATE ELEV	BOTTOM ELEV	N INV	S INV	E INV	W INV	NOTES
S-01	U-ENDWALL W/ GRATE	NA	115.50				24" RCP 115.50	24", 1:6 SLOPE
S-02	CURB INLET TYPE 1 W/ ROUND BOTTOM	121.57	115.85			24" RCP 116.35	24" RCP 116.35	
S-03	U-ENDWALL W/ GRATE	NA	117.67			24" RCP 117.67		24", 1:6 SLOPE
S-04	U-ENDWALL W/ GRATE	NA	115.50		24" RCP 115.50			24", 1:6 SLOPE
S-05	CURB INLET TYPE 9 W/ ROUND BOTTOM	124.58	115.54	24" RCP 116.04		18" RCP 119.55	18" RCP 117.83	STEEL RETICULINE, H-20 RATED GRATE
S-06	CURB INLET TYPE 9 W/ ROUND BOTTOM	123.70	118.50			18" RCP 119.00		STEEL RETICULINE, H-20 RATED GRATE
S-07	CURB INLET TYPE 9 W/ ROUND BOTTOM	125.44	120.20				18" RCP 120.70	STEEL RETICULINE, H-20 RATED GRATE



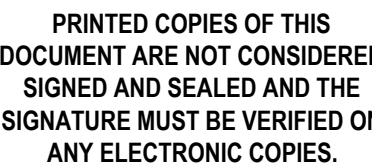
DATE	DESCRIPTION



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DRAWING NUMBER

Page 8 of 3

BENCHMARK INFORMATION:

- #1 SET 1/2" IRON ROD "LB 8573"
ELEVATION = 126.25
- #2 SET NAIL AND DISK "LB 8573"
ELEVATION = 115.09
- #3 FIND NAIL AND DISK "LB 2108"
ELEVATION = 138.31

VERTICAL DATA
ELEVATIONS REFER TO (NAVD) NATIONAL AMERICAN
VERTICAL DATUM 1988. FEET AND DECIMAL PART
THEREOF. BENCHMARK REFERENCE NAVD DATUM
OF 1988. BENCHMARK, DESIGNATION IS A SEMINOLE
COUNTY G.P.S. CONTROL, DESIGNATION: 426040264,
ELEVATION= 51.21' (88 DATUM).

GENERAL GRADING NOTES:

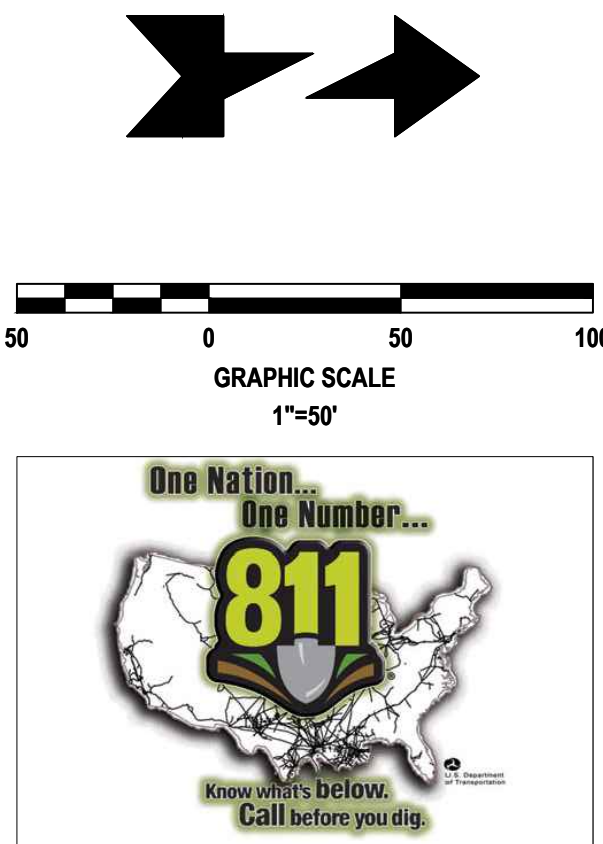
- CROSS SLOPES OF ACCESSIBLE PARKING SPACES AND ACCESS AISLE SHALL NOT EXCEED 1:48 IN ACCORDANCE WITH SECTION 502.4 OF FACBC.
- ALL SIDEWALKS SHALL HAVE A MINIMUM 1 PERCENT AND MAXIMUM 2 PERCENT CROSS SLOPE.
- ALL IMPROVEMENTS SHALL BE STAKED FOR CONSTRUCTION BY MEANS OF DIGITAL COORDINATES BY SURVEY OR UTILIZING GEOETIC TOTAL STATION. SCALING OF DRAWINGS FOR PURPOSES OF STAKING ARE AT THE SURVEYOR.

GENERAL EARTHWORK NOTES:

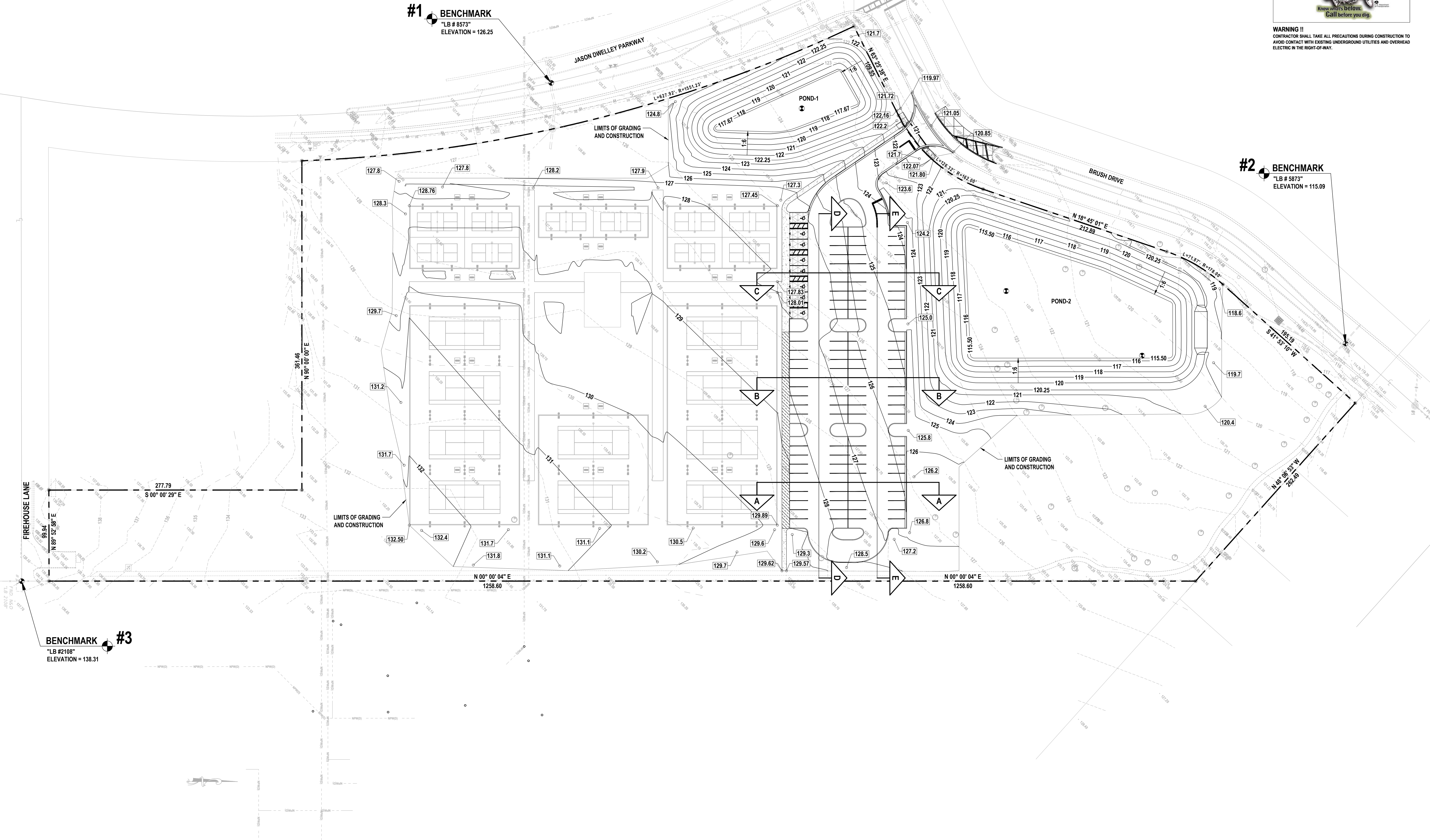
- IF ANY MUCK OR MUCK-LIKE MATERIAL IS DISCOVERED, IT WILL BE REQUIRED TO BE REMOVED, BACKFILLED WITH APPROPRIATE FILL, COMPACTED, AND TESTED USING AASHTO T-180 MODIFIED PROCTOR METHOD.
- ALL FILLING IS TO BE PERFORMED IN ONE-FOOT LIFTS. THE COMPACTION REQUIREMENT IS 98% FOR PAVED AREAS AND 95% FOR UNPAVED AREAS PER AASHTO T-180 MODIFIED PROCTOR TEST.
- TEMPORARY FILL STOCKPILING IS NOT PERMITTED IN LIFTS GREATER THAN SIX FEET.
- SOILS ARE TO BE STABILIZED BY WATER OR OTHER MEANS DURING CONSTRUCTION. THIS IS INTENDED TO REDUCE SOIL EROSION AND THE IMPACT TO NEIGHBORING COMMUNITIES.
- ONCE AN AREA IS SEEDED OR SODDED, IT MUST BE MAINTAINED TO ALLOW THE GRASS TO GROW.
- ALL NON-PAVED AREAS MUST BE PLANTED, GRASSED, OR MULCHED.

GRADING LEGEND:

- 85 — EXISTING CONTOUR
- 85 — PROPOSED CONTOUR
- 85 — DRAINAGE FLOW ARROW
- + 103.52 EXISTING SPOT ELEVATION
- 103.52 PROPOSED HARD SPOT ELEVATION
- 103.2 PROPOSED SOFT SPOT ELEVATION



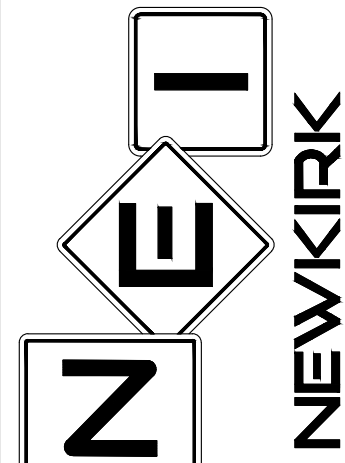
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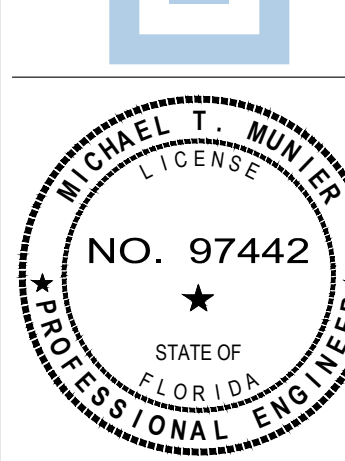


OVERALL GRADING
NW REC COMPLEX PICKLEBALL
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Michael T. Munier
Professional Engineer
State of Florida
No. 97442

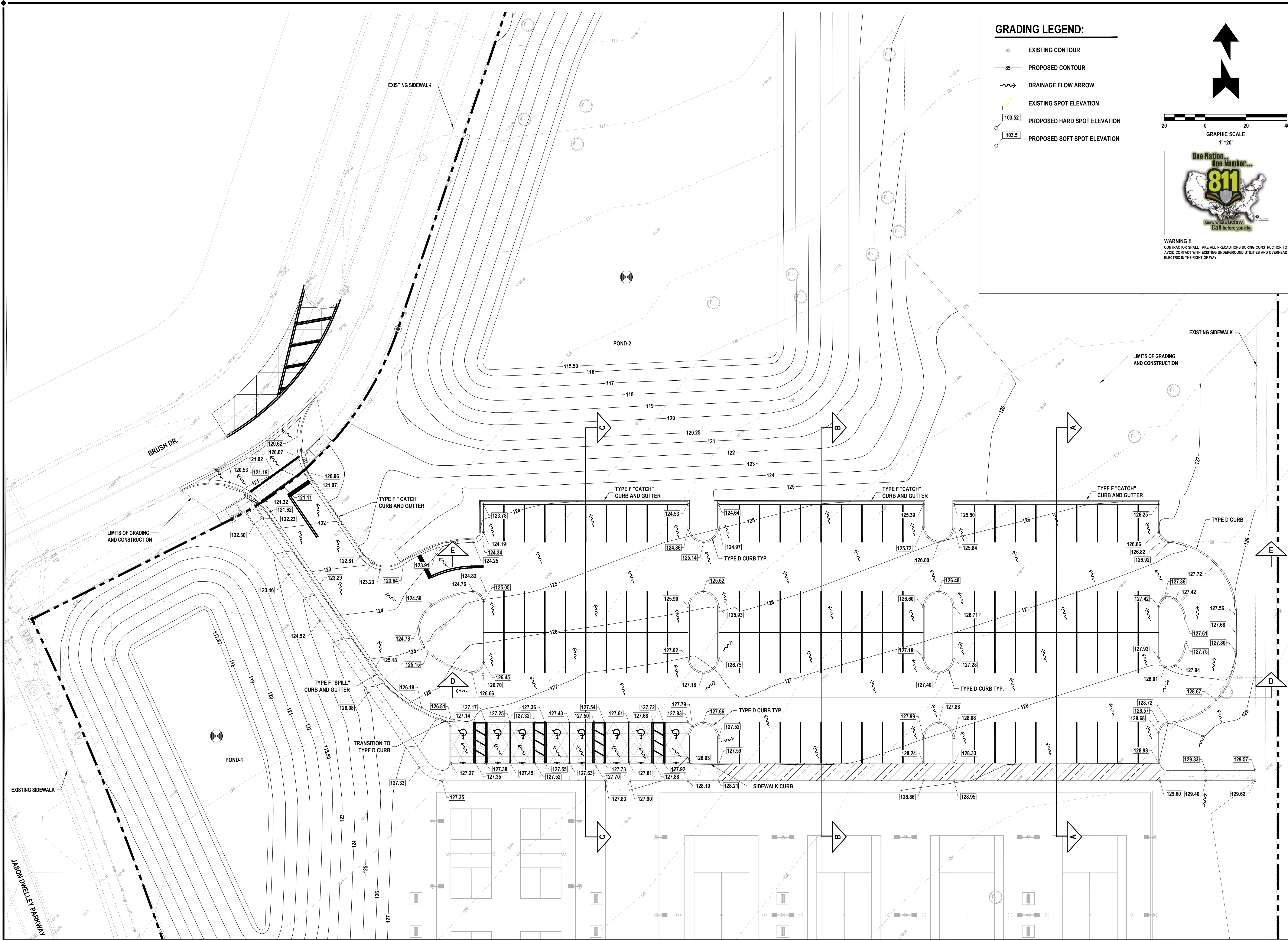


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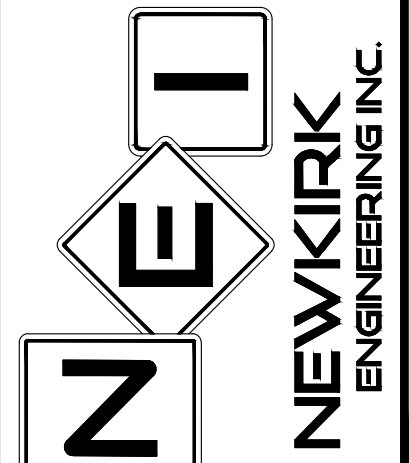
09



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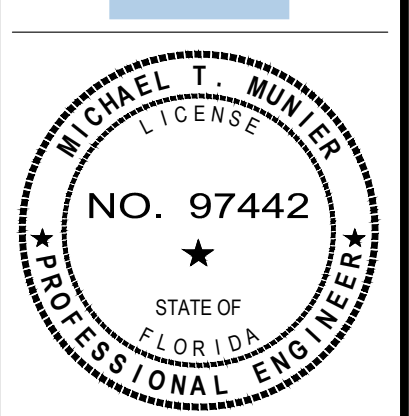


PARKING LOT GRADING NW REC COMPLEX PICKLEBALL COURTS BRUSH DRIVE, APOPKA FL 32712

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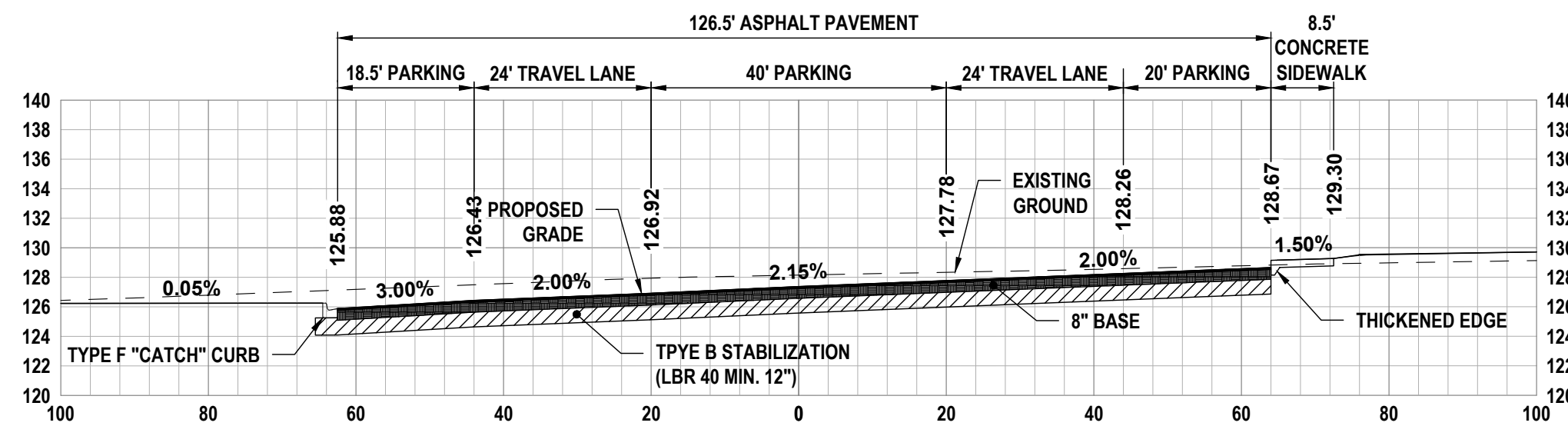


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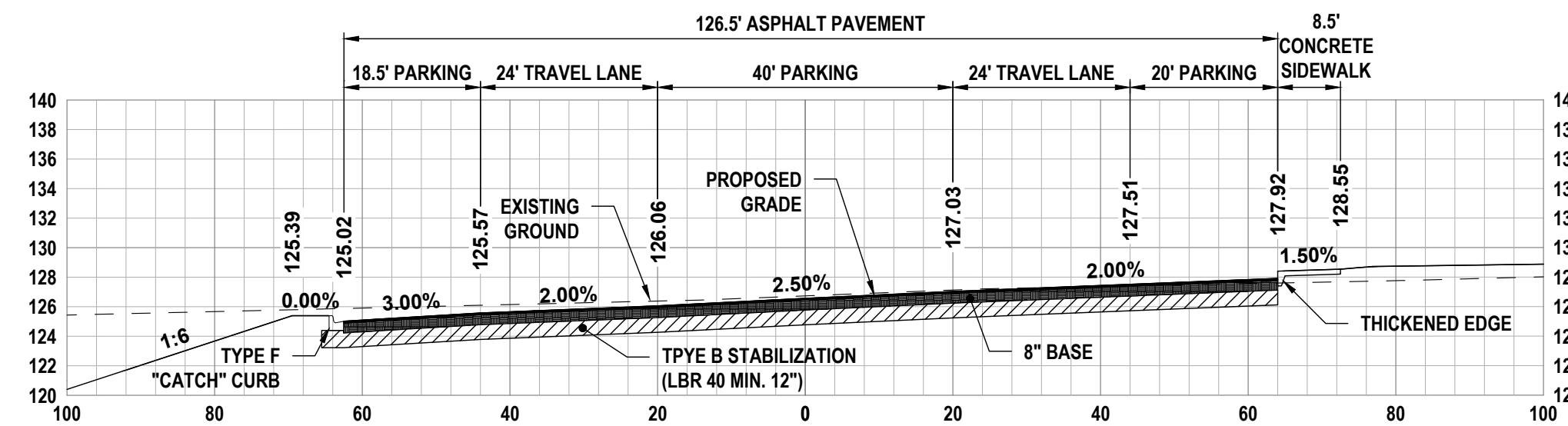
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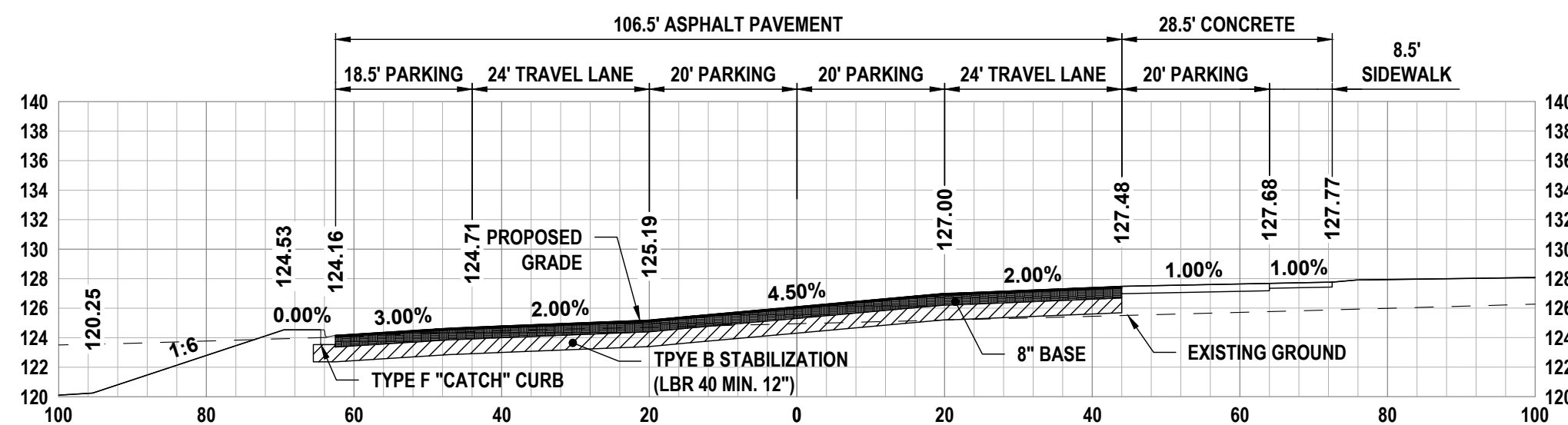
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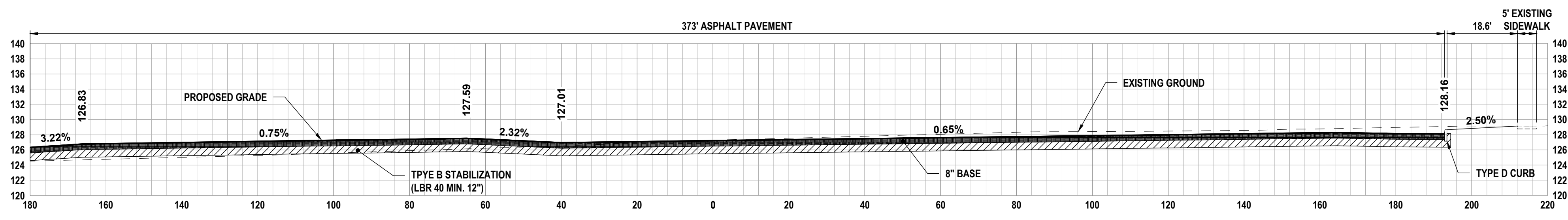
SECTION A-A



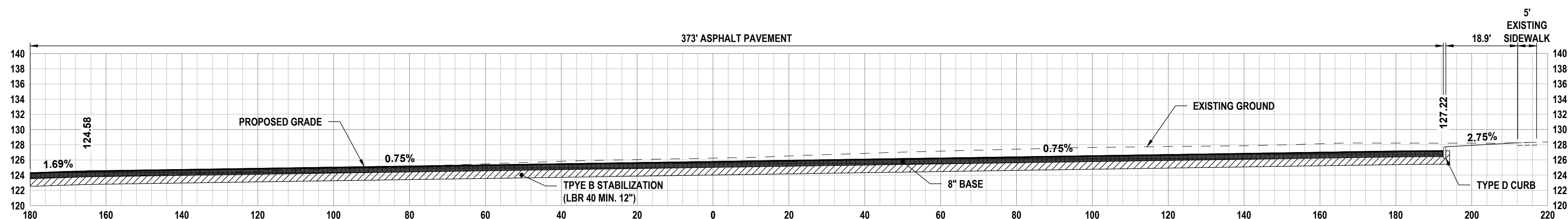
SECTION B-B



SECTION C-C



SECTION D-D



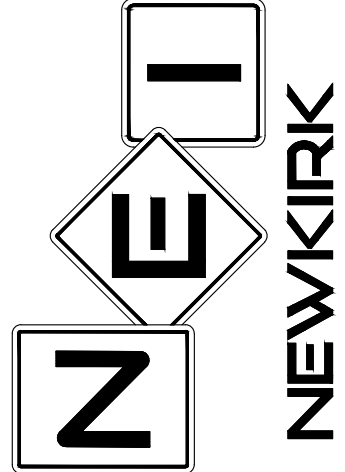
SECTION E-E

1" = 20' HORIZONTAL
1" = 10' VERTICAL

REVISIONS

DATE	DESCRIPTION

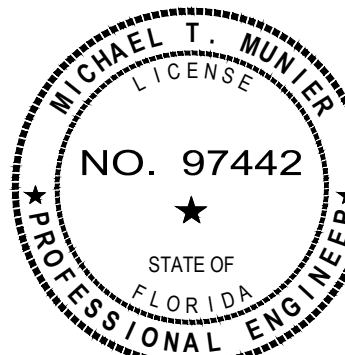
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CROSS SECTIONS
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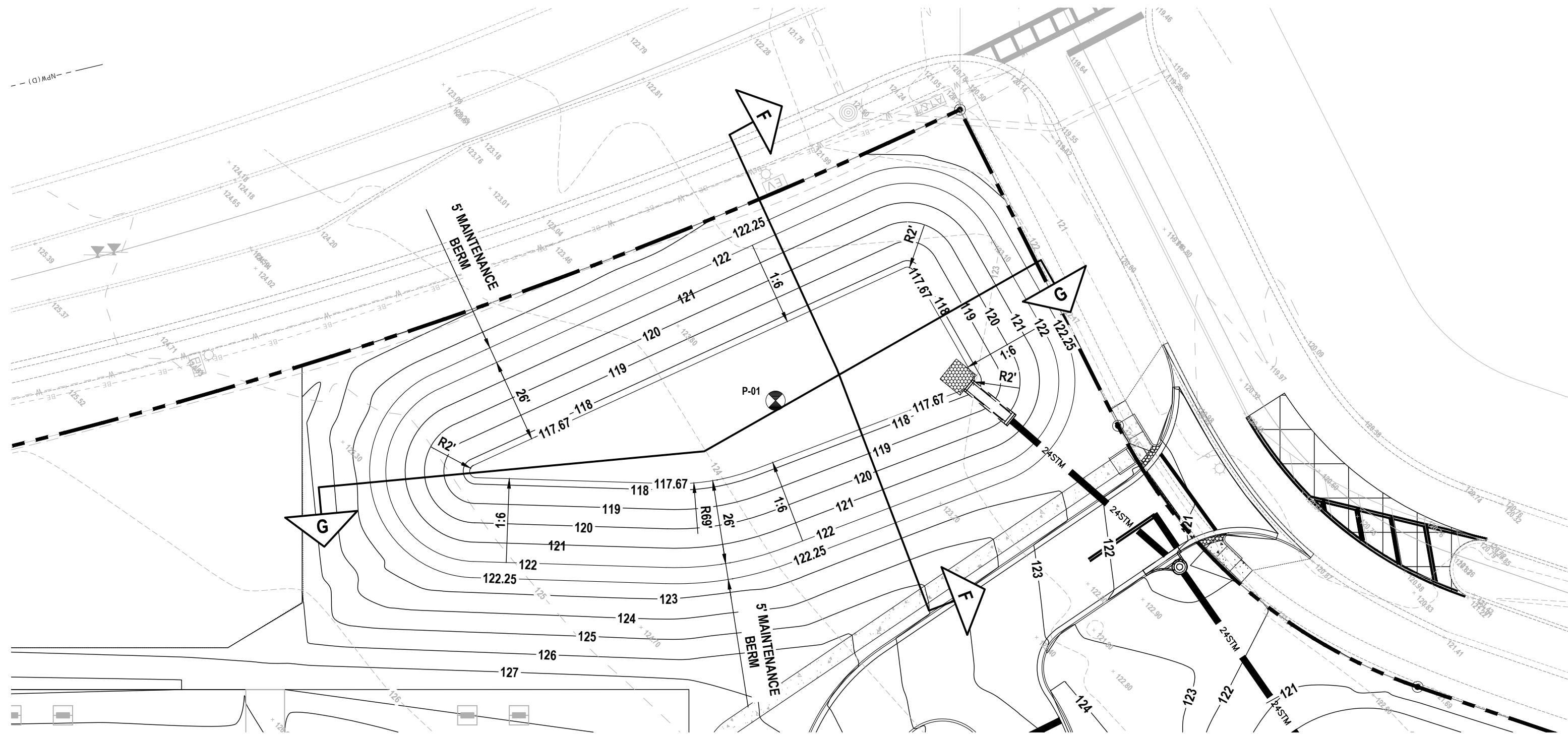


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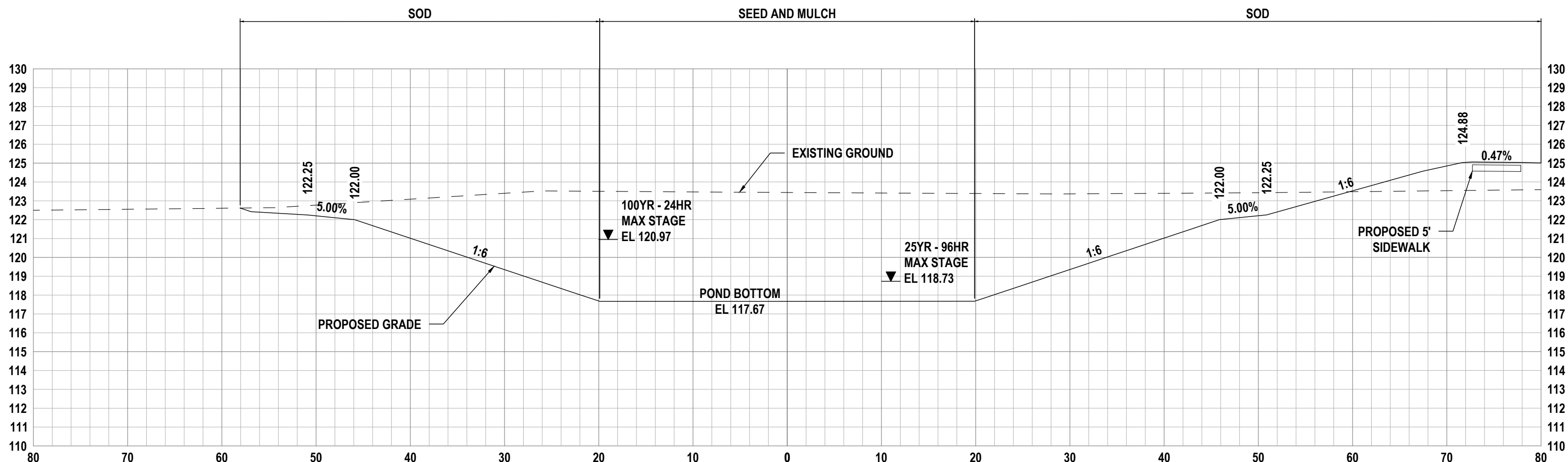
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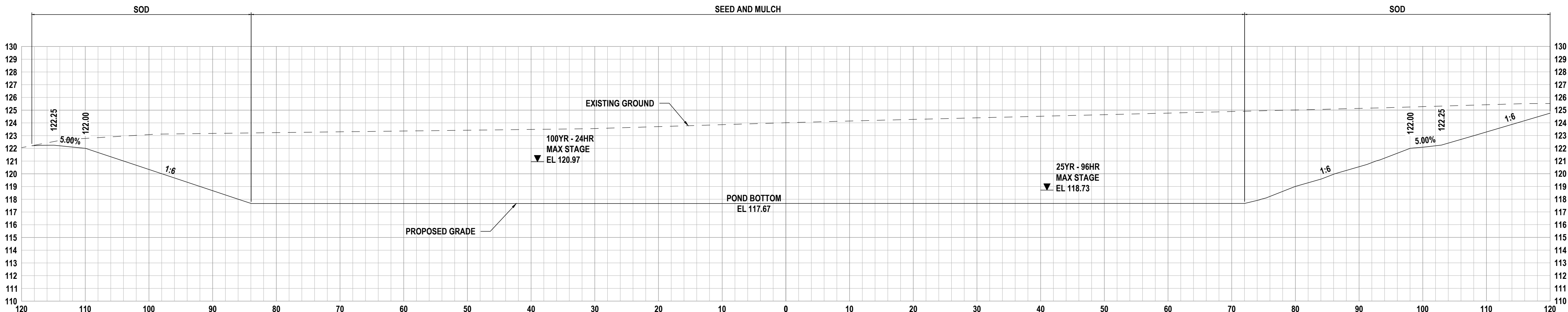
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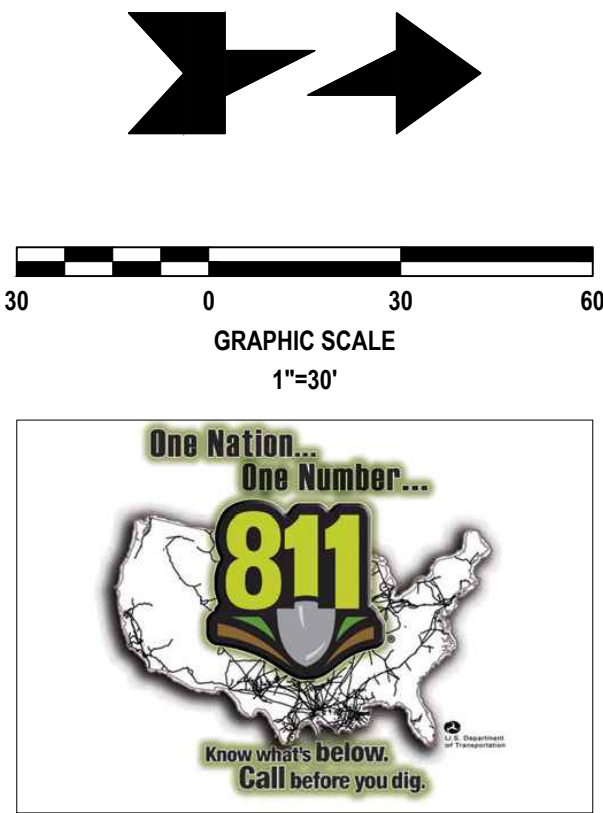
POND 1 PLAN



POND 1 SECTION F-F



POND 1 SECTION G-G

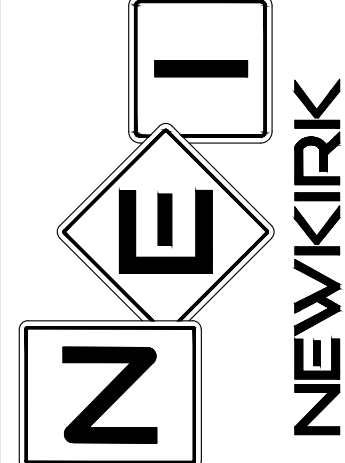


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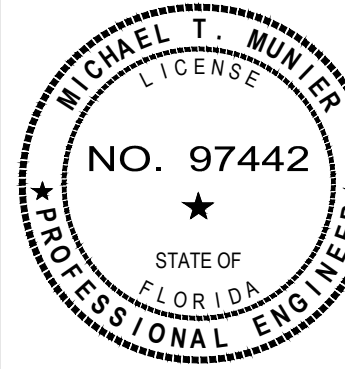


POND 1 LAYOUT AND CROSS SECTIONS

NW REC COMPLEX PICKLEBALL COURTS
BRUSH DRIVE, APOPKA FL 32712

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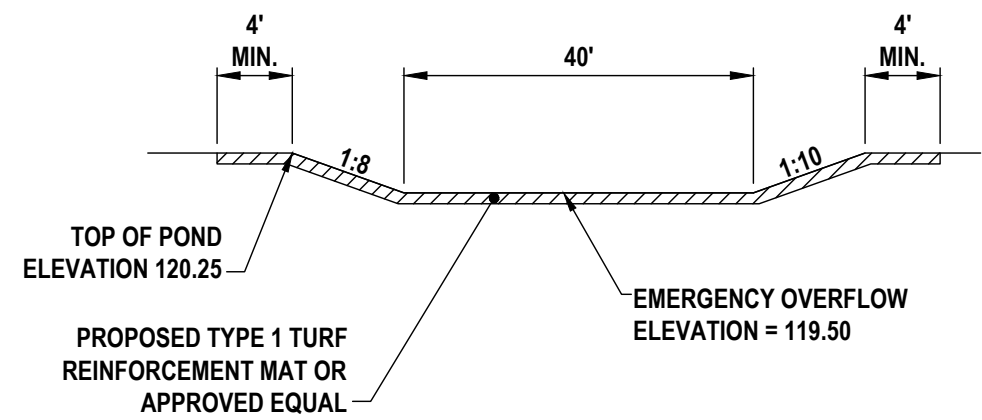
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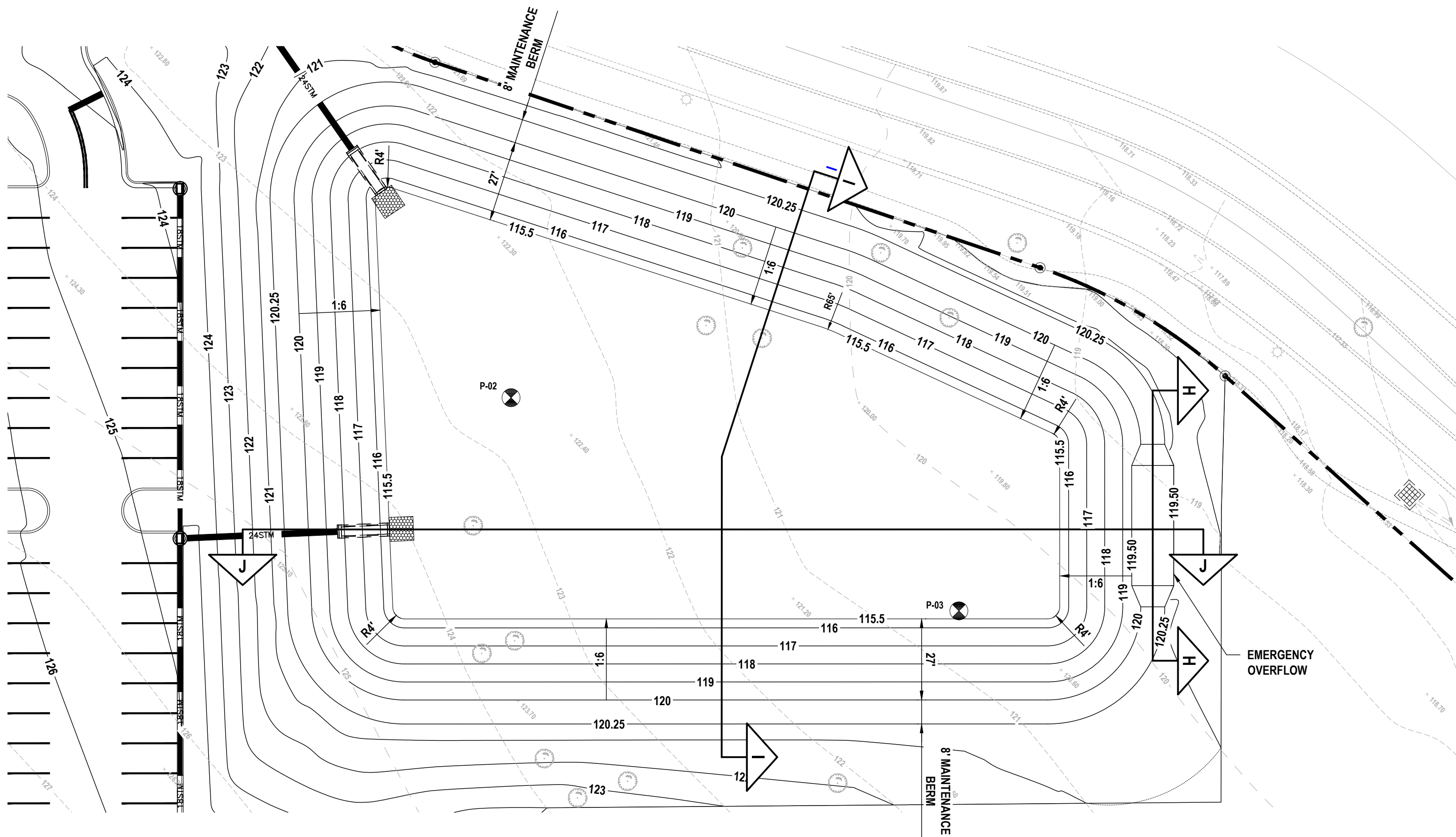
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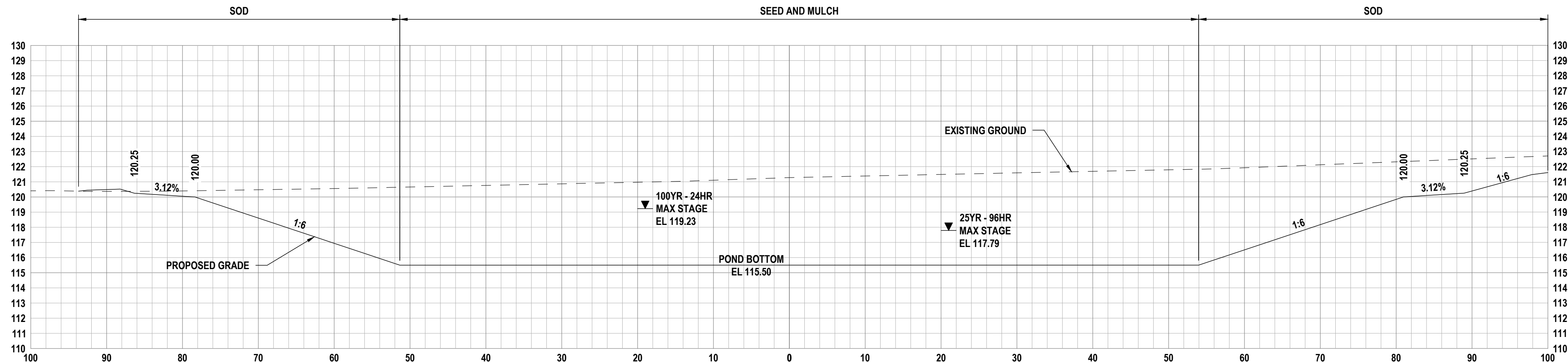
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1" = 5' VERTICAL



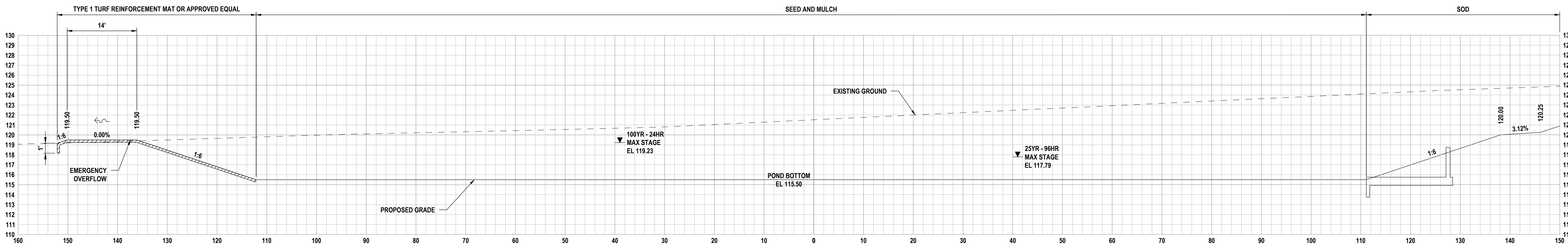
POND 2 SECTION H-H



POND 2 PLAN



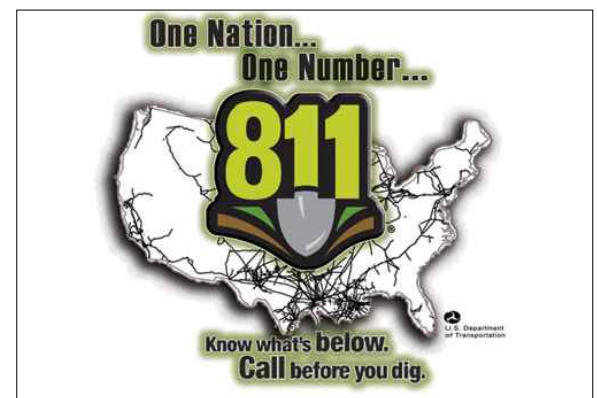
POND 2 SECTION I-I



POND 2 SECTION J-J



GRAPHIC SCALE
1"=30'

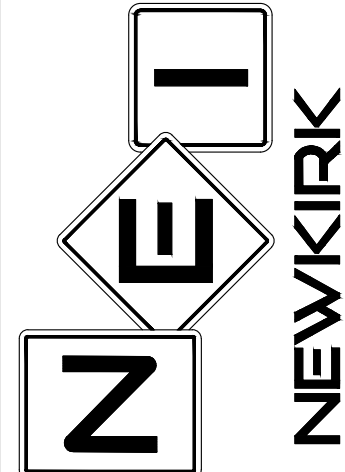


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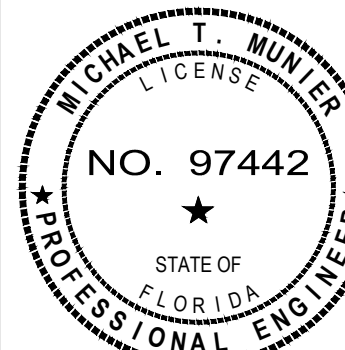
POND 2 LAYOUT AND CROSS SECTIONS

NW REC COMPLEX PICKLEBALL COURTS
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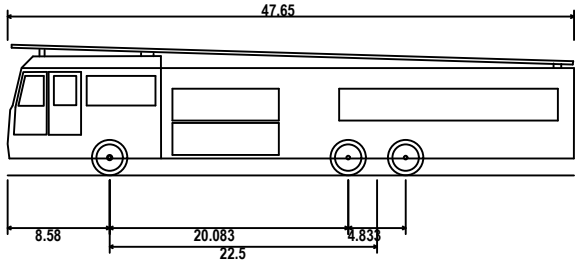
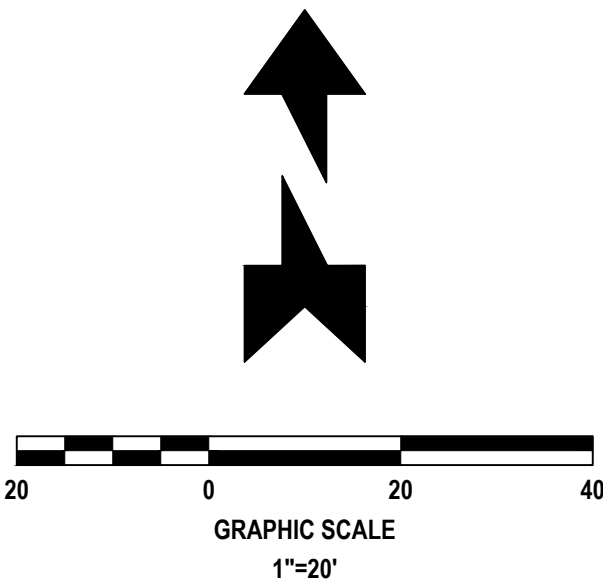
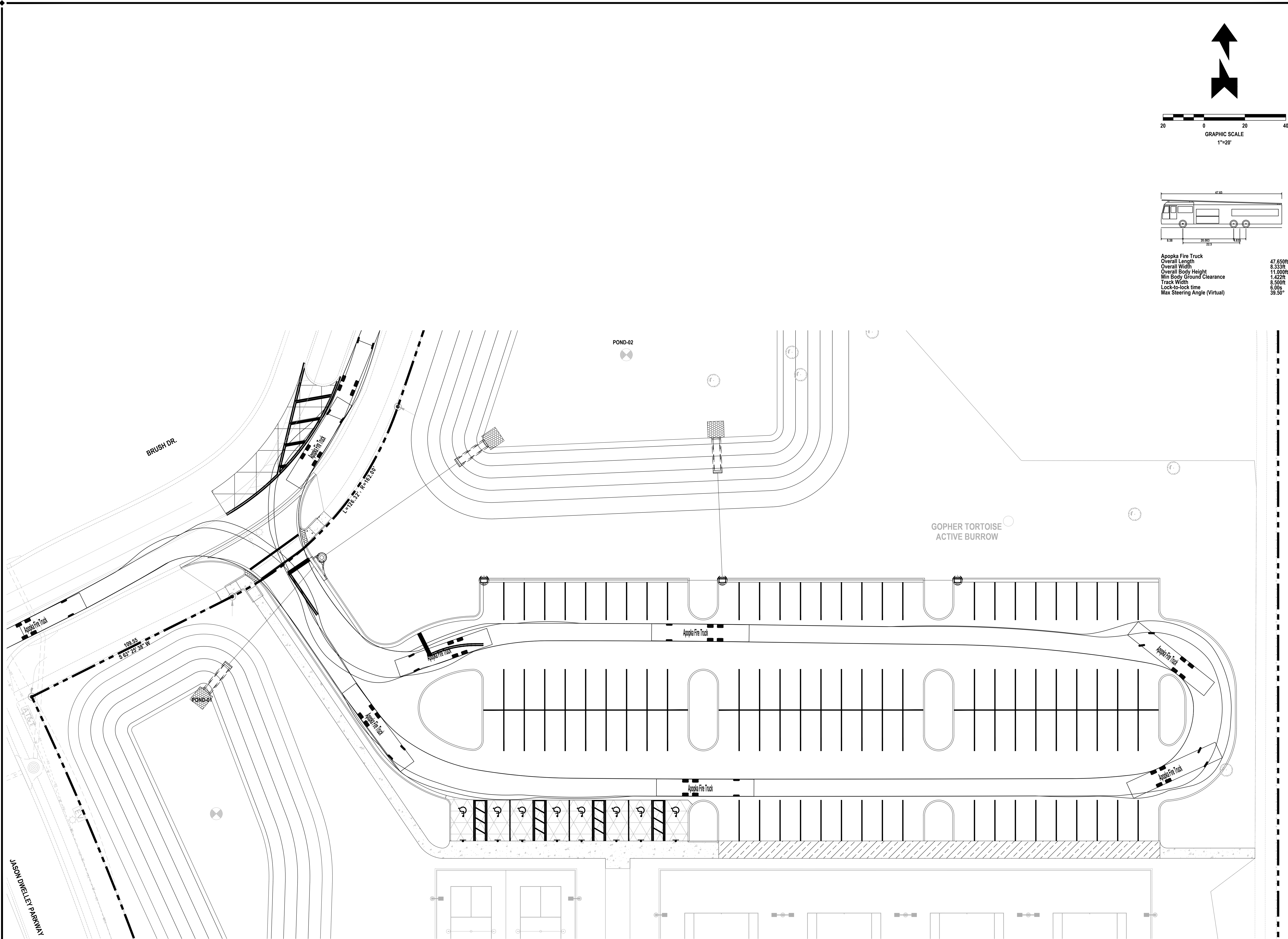
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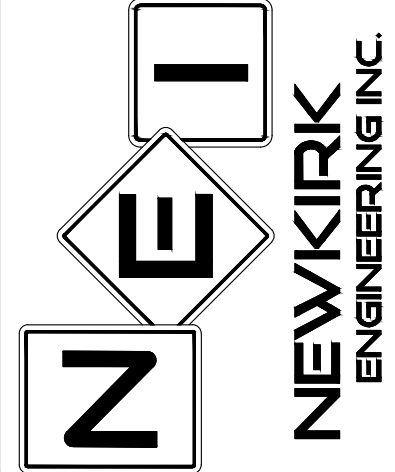
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1" = 5' VERTICAL



Apopka Fire Truck
Overall Length 47.65ft
Overall Width 8.33ft
Overall Body Height 11.00ft
Min Body Ground Clearance 1.42ft
Track Width 8.50ft
Lock-to-lock time 6.00s
Max Steering Angle (Virtual) 39.50°

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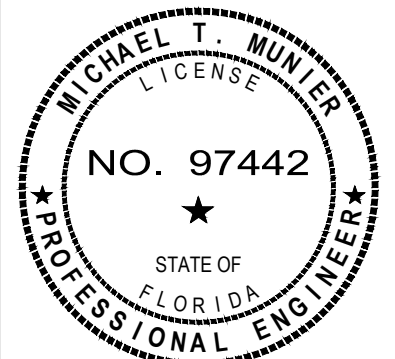


AUTOTURN PLAN - FIRE TRUCK
NW REC COMPLEX PICKLEBALL COURTS
BRUSH DRIVE, APOPKA FL 32112

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CONSTRUCTION SITE PLAN - MINOR DEVELOPMENT PLAN

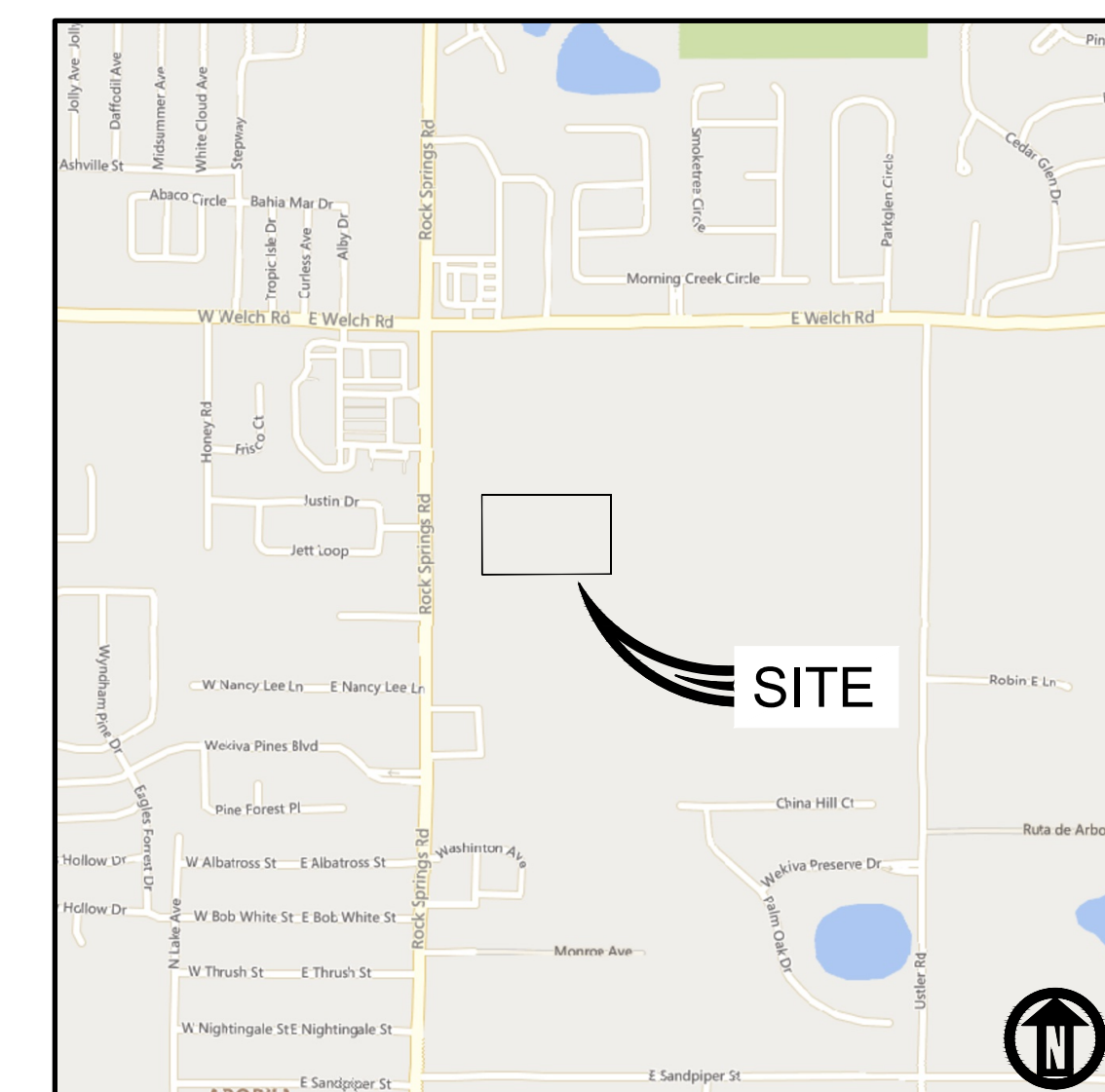
FOR

ABACUS CONSTRUCTION SERVICES

TAX PARCEL ID NUMBER:
34-20-28-7440-02-000

THIS PROJECT INVOLVES THE CONSTRUCTION OF A NEW BUILDING ALONG WITH ADJACENT PARKING FACILITIES. THE DEVELOPMENT WILL INCLUDE SEVERAL SOIL-DISTURBING ACTIVITIES SUCH AS CLEARING AND GRUBBING, INSTALLING A STABILIZED CONSTRUCTION ENTRANCE, AND SETTING UP PERIMETER AND OTHER EROSION AND SEDIMENT CONTROLS. THE SITE WILL UNDERGO GRADING AND EXCAVATION TO CREATE STORMWATER PONDS, STORM SEWERS, UTILITIES, AND BUILDING FOUNDATIONS. ADDITIONALLY, THE PROJECT WILL INVOLVE THE CONSTRUCTION OF CURBS AND GUTTERS, ROADS, AND PARKING AREAS. FINALLY, THE SITE WILL BE PREPARED FOR FINAL PLANTING AND SEEDING. THE STORMWATER FROM THIS SITE WILL BE MANAGED BY DISCHARGING IT INTO THE PROPOSED STORMWATER PONDS.

ROCK SPRINGS ROAD APOPKA, FLORIDA 32712
SCALE 1:1000



Engineer registered in the State of Florida
 License No. 88523
 State of Florida
 Professional Engineer

G. # 88523
MARKETT ENGINEERING, INC.
RT. OF AUTH. NO. 7105

Burkett
engineering

CIVIL ENGINEERING
CONSULTANTS

105 E. Robinson Street, Suite 501
Orlando, Florida 32801
Office: (407) 246-1260 Fax: (407) 246-0423
burkettengineering.com

CITY OF APOPKA, FLORIDA (MAY 2025)

(REVISED JANUARY 2026)

1 - COVER

2 - SYMBOLS AND ABBREVIATIONS

3 - NOTES

4 - DEMO & SWPPP

5 - SWPPP NOTES

6 - SITE PLAN

7 - PARKING PLAN

8 - VEHICLE TRACKING

9 - UTILITY PLAN

10 - PAVING GRADING AND DRAINAGE PLAN

12 - CITY OF APOPKA UTILITY NOTES

13 - CITY OF APOPKA UTILITY DETAILS

11 - CITY OF APOPKA GENERAL & UTILITY NOTES

14 - GENERAL DETAILS

REFERENCE FILES

SURVEY

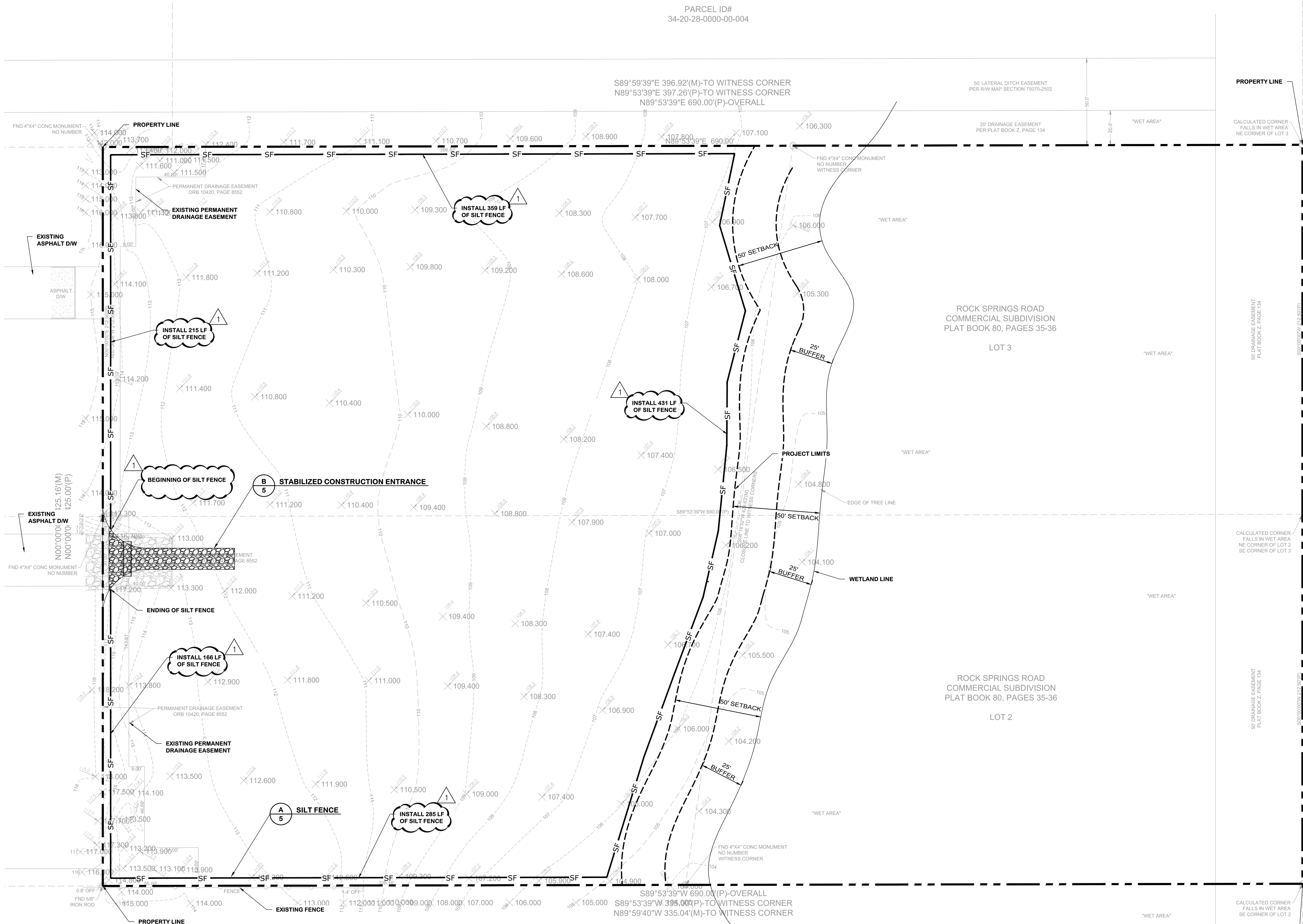
	01/22/26	CITY OF APOPKA COMMENTS 07/08/25	AM	PM
	DATE	DESCRIPTION	REV'D	CHK'D

ABBREVIATIONS

A		F		P	
A	AREA	FG	FINISHED GRADE	POS	POINT OF SERVICE
AB	ANCHOR BOLT	FH	FIRE HYDRANT	PP	POWER POLE
ABD	ABANDON(ED)	F&I	FURNISH AND INSTALL	PR	PHONE RISER
AC	ACRE(S)	FIG	FIGURE	PRC	POINT OF REVERSE CURVATURE
AC-FT	ACRE FOOT/FEET	FIN	FINISHED	PRESS	PRESSURE
ACP	ASBESTOS CEMENT PIPE	FIT	FITTING	PROJ	PROJECT
ADA	AMERICANS WITH DISABILITIES ACT	FL	FENCE LINE	PROP	PROPOSED
ADDL	ADDITIONAL	FLR	FLOOR	PRV	PRESSURE REDUCING VALV
ADT	AVERAGE DAILY TRAFFIC	FLEX	FLEXIBLE	PRVC	POINT OF REVERSE VERTICAL CURVE
AL	ALUMINUM	FLG	FLANGE	PS	PUMPING STATION
ALT	ALTERNATE	FM	FORCE MAIN	PSF	POUNDS PER SQUARE FOOT
AM	BEFORE NOON	FND	FOUND	PSI	POUNDS PER SQUARE INCH
AMP	AMPERE(S)	FPH	FEET PER HOUR	PT	POINT OF TANGENCY
APPROX	APPROXIMATE	FPM	FEET PER MINUTE	PV	PLUG VALVE
ARV	AIR RELEASE VALVE	FPS	FEET PER SECOND	PVC	POLYVINYL CHLORIDE
ARVV	AIR RELEASE VACUUM VALVE	FT	FEET/FOOT	PVMT	PAVEMENT
ASPH	ASPHALT	FTG	FOOTING	PWR	POWER
ASSY	ASSEMBLY	G		Q	
AVE	AVENUE	GA	GAUGE	FLOW RATE	
AVG	AVERAGE	GAL	GALLON	R	
AZ	AZIMUTH	GALV	GALVANIZED	R	RADIUS
B		GI	GAS MAIN	RCP	REINFORCED CONCRETE PIPE
BFP	BACKFLOW PREVENTER	GPD	GALLONS PER DAY	RCPA	REINFORCED CONCRETE PIPE ARCH
BL	BASELINE	GPH	GALLONS PER HOUR	RD	ROAD
BLDG	BUILDING	GPM	GALLONS PER MINUTE	RDY	ROADWAY
BLVD	BOULEVARD	GPS	GALLONS PER SECOND	RED	REDUCER
BM	BENCHMARK	GR	GUARD RAIL	REF	REFERENCE
BND	BOUNDARY	GRD	GROUND/GRADE	REINF	REINFORCE(D)
BO	BLOWOFF	GSP	GALVANIZED STEEL PIPE	REQD	REQUIRED
BOC	BACK OF CURB	GV&B	GATE VALVE	REV	REVISE/REVISION
BOT	BOTTOM	GW	GUY WIRE	RP	RADIAL POINT
BOW	BOTTOM OF WALL	GW	GROUND WATER TABLE	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
BRG	BEARING	H		RPM	REVOLUTIONS PER MINUTE
BS	BOTTOM OF SLOPE	HB	HOSE BIBB	RR	RAILROAD
BV	BUTTERFLY VALVE	HDW	HARDWARE	RT	RIGHT
BVC	BEGIN VERTICAL CURVE	HDP	HIGH DENSITY POLYETHYLENE PIPE	RV	RELIEF VALVE
C		HOA	HOME OWNERS ASSOCIATION	R/W	RIGHT-OF-WAY
CAP	CAPACITY	HORIZ	HORIZONTAL	RWM	REUSE WATER MAIN
CB	CATCH BASIN	HP	HORSEPOWER	S	
CC	CENTER TO CENTER	HR	HOUR	S	SOUTH
CEM	CEMENT	HT	HEIGHT	SAN	SANITARY SEWER
CF	CUBIC FEET	HW	HEADWALL	SB	SPLASH BLOCK
CFM	CUBIC FEET PER MINUTE	HWL	HIGH WATER LEVEL	SCH	SCHEDULE
CFS	CUBIC FEET PER SECOND	HWY	HIGHWAY	SD	SIDE DRAIN
CG	CURB AND GUTTER	HYD	HYDRANT	SDN	SHELF DRAIN
Ci	CAST IRON	I		SEC	SOUTHEAST
CIP	CAST IRON PIPE	I-4	INTERSTATE HIGHWAY	SECT	SECTION
CJ	CONSTRUCTION JOINT	IA	INTERSECTION ANGLE	SF	SQUARE FEET
CL	CENTER LINE	ID	INSIDE DIAMETER	SH	SHEET
CLP	CONCRETE LIGHT POLE	IF	INSIDE FACE	SHTG	SHEETING
CLR	CLEAR/CLEARANCE	IN	INCHES	SHWL	SEASONAL HIGH WATER LINE
CLS	CLASS	INL	INLET	SIM	SIMILAR
CM	CONCRETE MONUMENT	INS	INSERT	SIL	SETBACK LINE
CMP	CORRUGATED METAL PIPE	INST	INSTALL	SL	SLOPE
CMPA	CORRUGATED METAL PIPE ARCH	IP	IRON PIPE	SM	SHEET METAL
CND	CONDUIT	IR	IRON ROD	SPEC	SPECIFICATIONS
CO.	COUNTY	IRR	IRRIGATION	SG	SQUARE
CO	CLEANOUT	INT	INTERSECT/INTERSECTION	SG IN	SQUARE INCHES
COL	COLUMN	INV	INVERT	SG YD	SQUARE YARDS
COMP	COMPLETE	J		SR	STATE ROAD
CONC	CONCRETE	JB	JUNCTION BOX	SS	STAINLESS STEEL
CONN	CONNECTION	JCT	JUNCTION	ST	STREET
CONST	CONSTRUCTION(ION)	JST	JOIST	STA	STATION
CONT	CONTINUOUS	JT	JOINT	STD	STANDARD
COORD	COORDINATE(S)	L		STL	STEEL
COR	CORNER	LAT	LATITUDE	STR	STRUCTURE
CPLG	COUPLING	LATL	LATERAL	STS	STORM SEWER
CPP	CONCRETE POWER POLE	LB	POUND	SUP	SUPPORT
CS	CONTROL STRUCTURE	LG	LONGITUDE	SUSP	SUSPEND/SUSPENSION
CSTOP	CORPORATION STOP	LIM	LIMIT(S)	SV	SERVICE
CTG	COATING	LP	LIGHT POLE	SW	SOUTHWEST
CTR	CENTER	LS	LIFT STATION	SWK	SIDEWALK
CTV	CABLE TELEVISION	LT	LEFT	SYM	SYMBOL(S)
CULV	CULVERT	LWL	LOW WATER LEVEL	SYMM	SYMMETRICAL
CV	CHECK VALVE	M		SYS	SYSTEM
CY	CUBIC YARD	MAINT	MAINTENANCE	T	

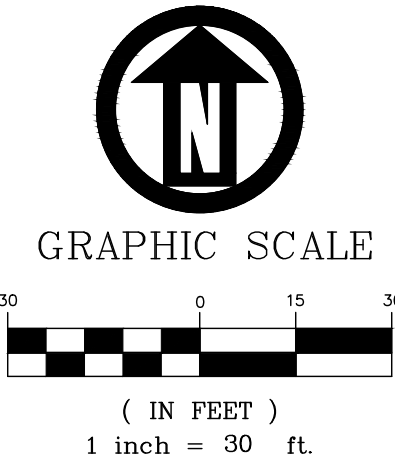
EXISTING SYMBOLS	
LINES	
BARBED WIRE FENCE	
CENTER LINE	
CHAIN LINK FENCE	
CONTOURS	
EASEMENT LINE	
LOT LINES	
PROPERTY LINE	
RIGHT-OF-WAY	
RETAINING WALL	
SHORELINE	
WETLAND LIMITS	
FENCE OR WALL	
SANITARY SEWER	
100 LINEAR FEET SANITARY 8" PVC PIPE @ 0.30% SLOPE	
CLEANOUT	
DBL SEWER LATERAL	
SINGLE SEWER LATERAL	
4" PVC PIPE FORCE MAIN	
MANHOLE	
STORM DRAIN	
100 LINEAR FEET STORM 24" RCP @ 0.21% SLOPE	
6" PVC UNDERDRAIN	
DRAINAGE FLOW ARROW	
CURB INLET	
MANHOLE	
MITERED END SECTION	
SLOPE DIRECTIONAL FOR PONDS	
SPOT GRADE	
STORM INLET	
WATER	
6" PVC WATER MAIN	
11 1/4" BEND	
22 1/2" BEND	
45° BEND	
90° BEND	
TEE	
CROSS	
FIRE DEPT. CONNECTION	
BACKFLOW PREVENTER	
DOUBLE WATER SERVICE	
SINGLE WATER SERVICE	
GATE VALVE	
FIRE HYDRANT	
METER	
REDUCER	
BLOWOFF	
HIGHWAY & UTILITIES	
BENCH MARK	
BOUNDARY CORNER	
CONCRETE	
COUNTY ROADS	
INTERSTATE ROADS	
LIGHT POLE	
MISC ROAD SIGN	
SECTION CORNER	
EDGE OF PAVEMENT W/O CURB	

PROPOSED SYMBOLS	
LINES	
BARBED WIRE FENCE	
CENTER LINE	
CHAIN LINK FENCE	
CONTOURS	
EASEMENT LINE	
EROSION CONTROL	
LOT LINES	
PROPERTY LINE	
RIGHT-OF-WAY	
BUFFER/SETBACK	
RETAINING WALL	
SHORELINE	
WETLAND LIMITS	
FENCE OR WALL	
FLOW PATH	
SANITARY SEWER	
100 LINEAR FEET SANITARY 8" PVC PIPE @ 0.30% SLOPE	
CLEANOUT	
DBL SEWER LATERAL	
SINGLE SEWER LATERAL	
4" PVC PIPE FORCE MAIN	
MANHOLE	
STORM DRAIN	
100 LINEAR FEET STORM 24" RCP @ 0.21% SLOPE	
6" PVC UNDERDRAIN	
DRAINAGE FLOW ARROW	
CURB INLET	
MANHOLE	
MITERED END SECTION	
SLOPE DIRECTIONAL FOR PONDS	
SPOT GRADE	
STORM INLET	
STRUCTURE NUMBER	
WATER	
6" PVC WATER MAIN	
11 1/4° BEND	
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45° BEND	
90° BEND	
TEE	
CROSS	
FIRE DEPT. CONNECTION	
BACKFLOW PREVENTER	
DOUBLE WATER SERVICE	
SINGLE WATER SERVICE	
GATE VALVE	
FIRE HYDRANT	
METER	
REDUCER	
BLOWOFF	
HIGHWAY, UTILITIES & PROFILES	
BOUNDARY CORNER	
CONCRETE	
INTEGRAL CURB w/SWK	
LIGHT POLE	
MISC ROAD SIGN	
EDGE OF PAVEMENT W/O CURB	
CURB & PAVEMENT	
DETAIL REFERENCE	
FF ELEVATION & FHA LOT GRADING TYPE	
HANDICAP PARKING	
PAVEMENT MARKINGS	



KEY NOTES

LEGEND



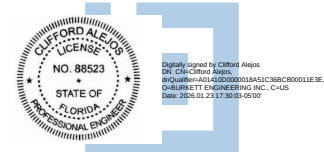
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GO MINISTRY CHURCH
CONSTRUCTION SITE PLAN - MINOR DEVELOPMENT PLAN
ABACUS CONSTRUCTION SERVICES

DEMO & SWPPP

DATE: 2025-05-01
PROJECT NO.: 2320.30
DRAWN BY: AM
DESIGNED BY: PM
CHECKED BY: PM

ENGINEER IN CHARGE:
CLIFFOR ALEJOS, P.E.



REG. # 88523
BURKETT ENGINEERING, INC.
CERT. OF AUTH. NO. 7105

SHEET NO.

4

OF: 14

DESCRIPTION OF PROJECT

THIS PROJECT WILL INCLUDE CONSTRUCTION OF ONE BUILDING WITH ADJACENT PARKING FACILITIES, SOIL DISTURBING ACTIVITIES WILL INCLUDE: CLEARING AND GRUBBING; INSTALLING A STABILIZED CONSTRUCTION ENTRANCE, PERIMETER, AND OTHER EROSION AND SEDIMENT CONTROLS; GRADING; EXCAVATION FOR THE STORMWATER PONDS, STORM SEWER, UTILITIES, AND BUILDING FOUNDATIONS; CONSTRUCTION OF CURB AND GUTTER, ROAD, AND PARKING AREAS; AND PREPARATION FOR FINAL PLANTING AND SEEDING. THE STORMWATER FROM THIS SITE DISCHARGES TO THE PROPOSED STORMWATER PONDS.

SEQUENCE OF ACTIVITIES

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE
2. INSTALL DOWNSLOPE AND SIDESLOPE PERIMETER CONTROLS (E.G., SILT FENCE)
3. CONDUCT CLEARING AND GRUBBING
4. CONDUCT EXCAVATION AND STOCKPILING ACTIVITIES
5. STABILIZE EXCAVATED AREAS AND STOCKPILES WITHIN 14 DAYS OF LAST CONSTRUCTION ACTIVITY IN THAT AREA
6. ROUGH GRADING AND INSTALLATION OF UTILITIES, STORM SEWER, AND CURB AND GUTTER
7. FINAL OR FINISH GRADING
8. CONSTRUCT BUILDINGS
9. COMPLETE GRADING AND INSTALL PERMANENT SEEDING AND PLANTING
10. COMPLETE FINAL PAVING
11. REMOVE ACCUMULATED SEDIMENT FROM INLETS
12. REMOVE DOWNSLOPE AND SIDESLOPE PERIMETER CONTROLS AFTER ALL UPSTREAM AREAS ARE STABILIZED

STORMWATER POLLUTION PREVENTION AND SOIL EROSION & SEDIMENT CONTROL NOTES

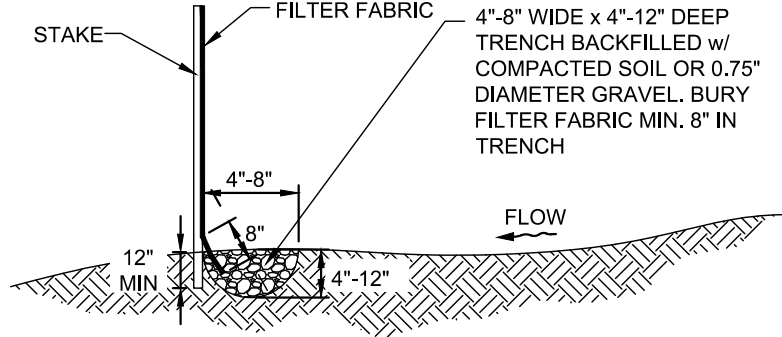
1. THIS PLAN SHALL BE AVAILABLE ON-SITE AT ALL TIMES DURING THE SITEWORK CONSTRUCTION.
2. THE "LIMITS OF DISTURBANCE" LINE SHOWN ON THIS PLAN INDICATES THE POINT BEYOND WHICH THE EXISTING VEGETATION SHOULD NOT BE IMPACTED.
3. STORMWATER POLLUTION PREVENTION MEASURES SHOWN HEREIN ARE THE MINIMUM REQUIRED. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ERECTING AND MAINTAINING AN EROSION AND SEDIMENT CONTROL SYSTEM TO MEET CITY OF APOPKA, ST. JOHNS WATER MANAGEMENT DISTRICT, FDEP, AND NPDES REQUIREMENTS.
4. MEANS AND METHODS IN ACCORDANCE WITH STANDARD PRACTICE PER USDA-SCS-NRCS RECOMMENDED GUIDELINES AND AS AUGMENTED BY THE AFOREMENTIONED REGULATORY AUTHORITIES ARE THE CONTRACTORS RESPONSIBILITY FOR IMPLEMENTATION AND NPDES COMPLIANCE.
5. EACH AREA OF THE SITE SHALL NOT BE DISTURBED UNTIL IT IS NECESSARY FOR CONSTRUCTION TO PROCEED. DISTURBED AREAS SHALL BE COVERED OR STABILIZED AS SOON AS POSSIBLE.
6. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL THE AREA THEY PROTECT HAS BEEN SODDED, PAVEMENT HAS BEEN PLACED, OR THE AREA IS OTHERWISE COMPLETELY STABILIZED.
7. ALL DISTURBED AREAS OF THE SITE SHALL BE INSPECTED BY QUALIFIED PERSONNEL OF THE RESPONSIBLE CONTRACTOR EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS AFTER EVERY RAINFALL EVENT OF 0.5 INCHES OR MORE TO ASSESS THE INTEGRITY OF THE EROSION AND SEDIMENT CONTROLS. THE INSPECTOR SHALL NOTE ANY DAMAGE OR DEFICIENCIES IN THE CONTROL MEASURES IN AN INSPECTION REPORT. PROBLEM AREAS SHALL BE CORRECTED BY THE RESPONSIBLE CONTRACTOR WITHIN SEVEN CALENDAR DAYS FOLLOWING THE INSPECTION.
8. THE CONTRACTOR SHALL KEEP A RECORD OF CONSTRUCTION ACTIVITIES INCLUDING DATES WHEN MAJOR GRADING ACTIVITIES OCCUR IN A PARTICULAR AREA, DATES WHEN CONSTRUCTION ACTIVITIES CEASE IN AN AREA, WHETHER TEMPORARILY OR PERMANENTLY, AND DATES WHEN AN AREA IS STABILIZED.
9. IF A CHANGE IN CONSTRUCTION SCHEDULE OCCURS OR THIS PLAN PROVES, THROUGH REGULAR INSPECTIONS, TO BE LACKING, BURKETT ENGINEERING SHALL BE NOTIFIED SO THAT PLAN MODIFICATIONS CAN BE MADE.
10. NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO ALLOW RAINFALL RUNOFF DIRECTLY FROM THE PROJECT SITE.
11. INLETS AND CATCH BASINS SHALL BE PROTECTED FROM SEDIMENT-LADEN STORMWATER RUNOFF UNTIL THE COMPLETION OF ALL CONSTRUCTION OPERATIONS THAT MAY CONTRIBUTE SEDIMENT TO THE INLET.
12. IF, AFTER FOURTEEN DAYS, GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75% GOOD GRASS COVER, THOSE AREAS SHALL BE REWORKED AND ADDITIONAL SEED OR SOD APPLIED TO ESTABLISH THE DESIRED VEGETATIVE COVER.
13. FOR WET STORMWATER PONDS, THE POND SLOPES SHALL BE SOLID SODDED TO THE NORMAL CONTROL ELEVATION.
14. ALL EXPOSED AREAS WITHIN PUBLIC RIGHTS-OF-WAY SHALL BE SOLID SODDED. OTHER NON-POND AREAS WITH SLOPES STEEPER THAN 4:1 SHALL BE SODDED AND STAKED AS NECESSARY.
15. TURF REINFORCEMENT MATS SHALL BE INSTALLED WHERE STORMWATER PIPES OUTFALL AT GRADE OR IN SPREADER SWALES.
16. IF CONSTRUCTION OCCURS ALONG A WATER BODY, A FLOATING TURBIDITY BARRIER SHALL BE INSTALLED.
17. A NOTICE OF TERMINATION FOR THE NPDES CONSTRUCTION GENERAL PERMIT SHALL BE SUBMITTED TO THE FDEP NPDES STORMWATER NOTICES CENTER WITHIN 14 DAYS OF THE DATE WHEN ALL AREAS OF THE SITE NOT OTHERWISE COVERED BY A PERMANENT PAVEMENT OR STRUCTURE HAVE BEEN STABILIZED WITH A UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70 PERCENT OR GREATER.
18. SILTSACK CATCH BASIN SILT FILTERING SYSTEM BY ACF ENVIRONMENTAL (800) 448-3636, OR APPROVED EQUAL, SHALL BE USED.

CONTRACTOR'S CERTIFICATION

ALL CONTRACTORS AND SUBCONTRACTORS IDENTIFIED ON THIS PLAN SHALL SIGN THE CERTIFICATION BELOW BEFORE CONDUCTING ANY PROFESSIONAL SERVICE IDENTIFIED IN THE STORMWATER POLLUTION PREVENTION PLAN:

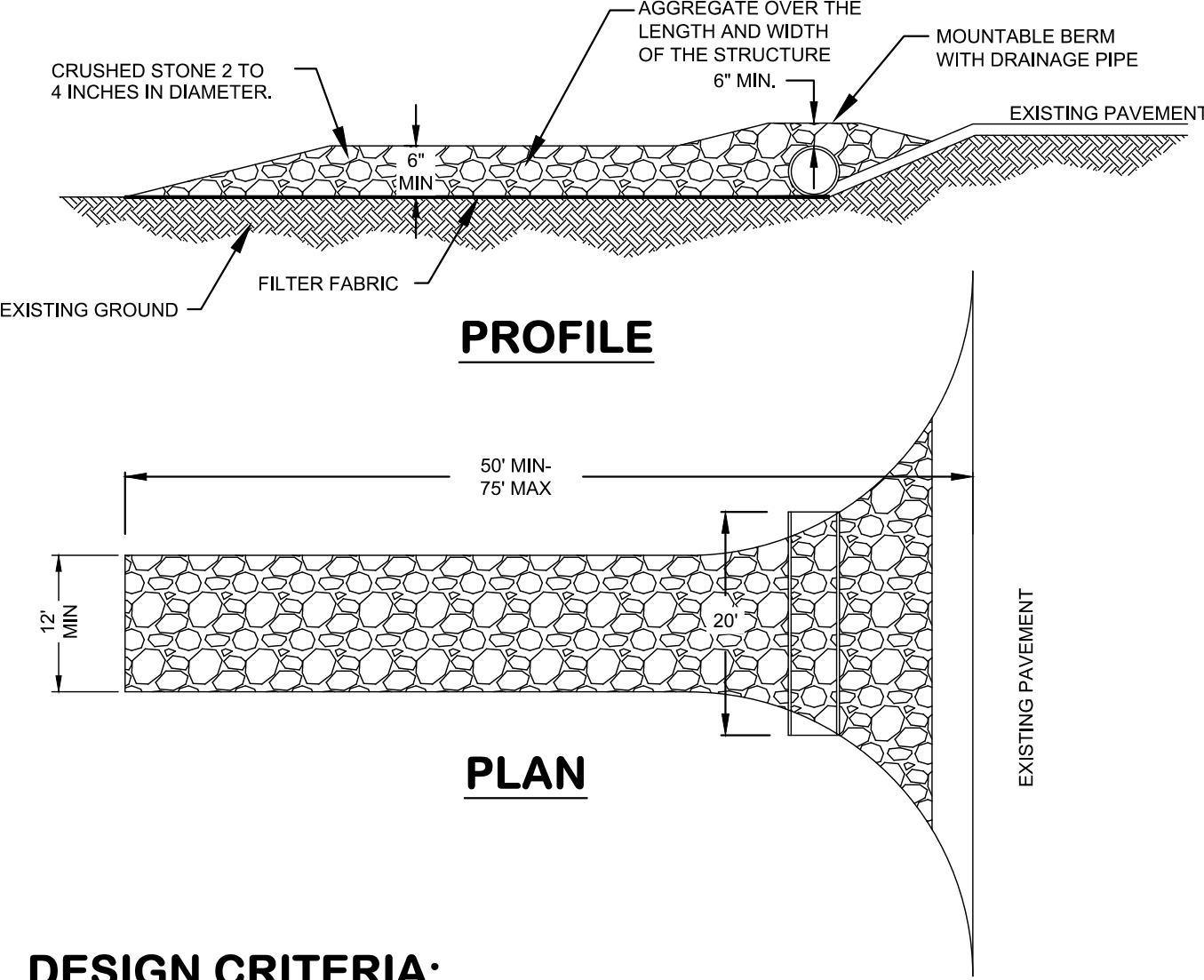
I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, AND SHALL COMPLY WITH, THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED THEREUNDER.

SIGNATURE & DATE	NAME & TITLE	COMPANY ADDRESS & PHONE NUMBER	RESPONSIBLE FOR:
			TEMPORARY AND PERMANENT STABILIZATION
			STABILIZED CONSTRUCTION ENTRANCE
			WASTE DISPOSAL
			APPLICATION OF FERTILIZERS, HERBICIDES, & PESTICIDES
			STORAGE, APPLICATION, GENERATION, AND MIGRATION OF ALL TOXIC SUBSTANCES



1. SILT FENCE SHALL BE INSTALLED IN ACCORDANCE WITH FDOT INDEX .
2. STAKES SHALL BE INSTALLED ON DOWNSTREAM SIDE OF FILTER FABRIC.
3. FILTER FABRIC SHALL BE IN ACCORDANCE WITH FDOT SPECIFICATION 985.
4. MAINTENANCE OF THE SILT FENCE SHALL BE IN ACCORDANCE WITH FDOT SPECIFICATION 1046.4.
5. WHEN SLOPES ARE GREATER THAN 2:1 OR MORE THAN 100 FEET IN LENGTH, A DOUBLE ROW OF SILT FENCE SHALL BE INSTALLED WITH ONE FOOT SEPARATION BETWEEN THE TWO ROWS OF SILT FENCE.
6. WHEN SEDIMENT HAS ACCUMULATED TO ONE-THIRD THE HEIGHT OF THE SILT FENCE, THE SEDIMENT SHALL BE REMOVED.

A 4 SILT FENCE NOT TO SCALE



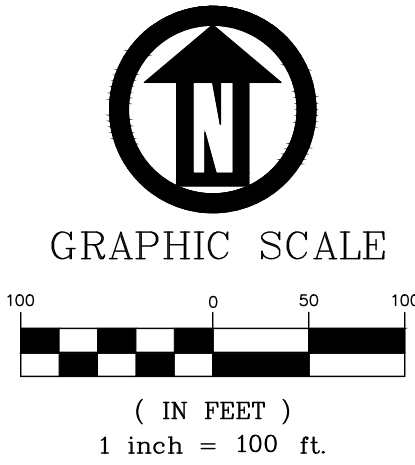
DESIGN CRITERIA:

1. A STABILIZED CONSTRUCTION ENTRANCE (SCE) IS APPROPRIATE IN THE FOLLOWING LOCATIONS:
 - A. WHEREVER VEHICLES ARE LEAVING A CONSTRUCTION SITE AND ENTER ONTO A PUBLIC ROAD.
 - B. AT ANY UNPAVED ENTRANCE/EXIT LOCATION WHERE THERE IS RISK OF TRANSPORTING MUD OR SEDIMENT ONTO PAVED ROADS.
2. THE WIDTH SHOULD BE AT LEAST 10 FEET TO 12 FEET OR AS WIDE AS THE ENTIRE WIDTH OF THE ACCESS. AT SITES WHERE TRAFFIC VOLUME IS HIGH, THE ENTRANCE SHOULD BE WIDE ENOUGH FOR TWO VEHICLES TO PASS SAFELY.
3. RUNOFF FROM A STABILIZED CONSTRUCTION ENTRANCE SHOULD DRAIN TO A SEDIMENT TRAP OR SEDIMENT BASIN.
4. PRIOR TO PLACING GEOTEXTILE (FILTER FABRIC) MAKE SURE THAT THE ENTRANCE IS PROPERLY GRADED AND COMPACTED.
5. INSPECT THE STABILIZED CONSTRUCTION ENTRANCE ON A REGULAR BASIS AND AFTER THERE HAS BEEN A HIGH VOLUME OF TRAFFIC OR STORM EVENT. APPLY ADDITIONAL STONE PERIODICALLY AND WHEN REPAIR IS REQUIRED.
6. IMMEDIATELY REMOVE SEDIMENTS OR ANY OTHER MATERIALS TRACKED ONTO THE PUBLIC ROADWAY.

B 4 STABILIZED CONSTRUCTION ENTRANCE NOT TO SCALE

KEY NOTES

LEGEND



DATE: 2025-05-01
PROJECT NO.: 2320.30
DRAWN BY: AM
DESIGNED BY: PM
CHECKED BY: PM

ENGINEER IN CHARGE:
CLIFFOR ALEJOS, P.E.

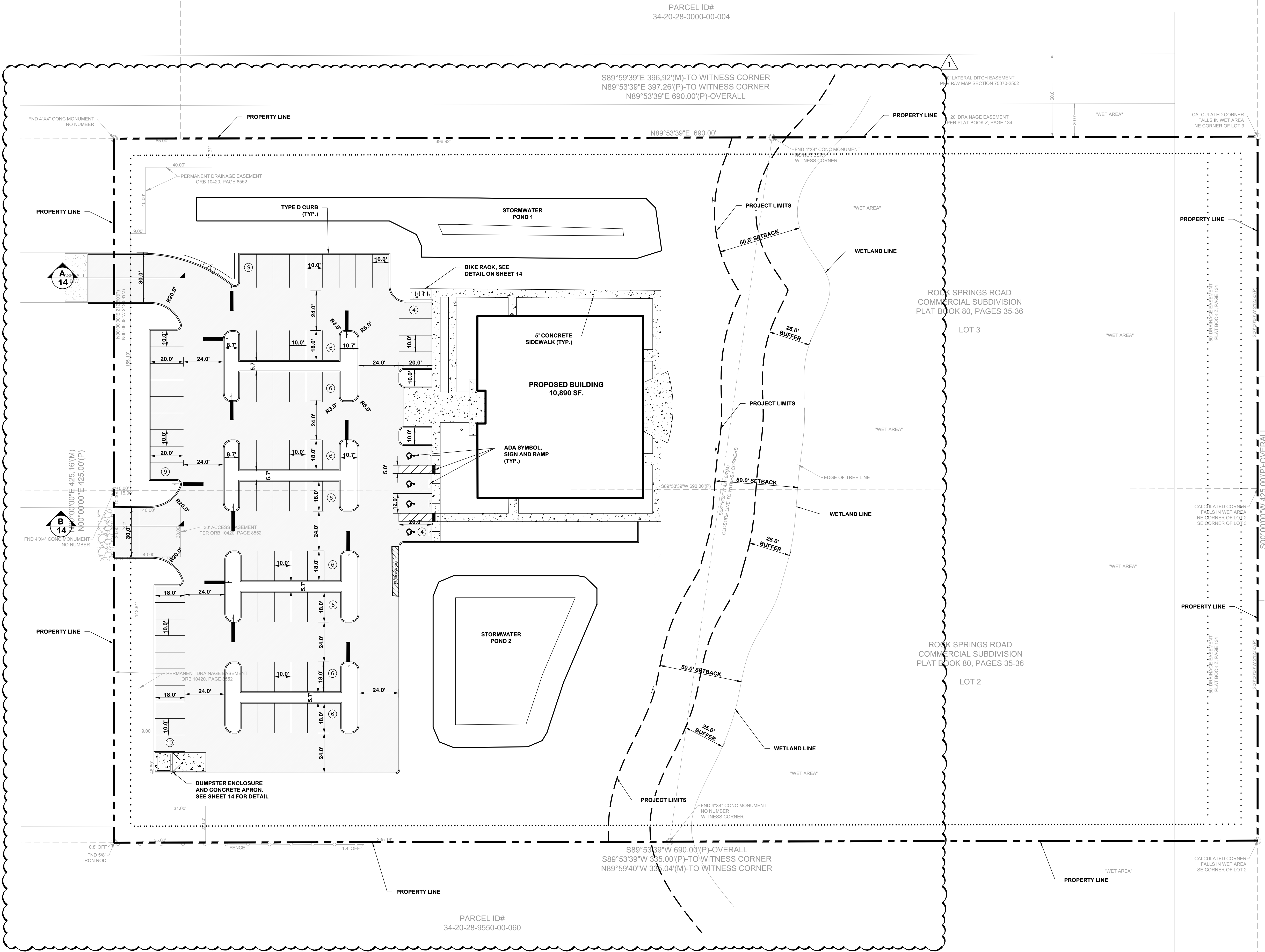


REG. # 88523
BURKETT ENGINEERING, INC.
CERT. OF AUTH. NO. 7105

SHEET NO.

5

OF: 14



KEY NOTES

SITE DATA	
PARCEL ID:	34-20-28-7440-02-000
EXISTING ZONING:	APK-C-C
LOT SIZE:	6.75 AC
EXISTING LAND USE:	1000 - COMM VACANT LAND

PROPOSED SITE AREAS	
SIDEWALK	0.16 AC (3.1%)
BUILDING	0.25 AC (4.8%)
PAVEMENT	1.43 AC (27.8%)
WETLAND	3.35 AC (64.5%)
TOTAL AREA	5.19 AC

City of Apopka Open Space Calculations	
from Table 5.4.4 LDC	
Minimum Open Space Set-Aside Percentage	10%
Development Site Area (ac.)	3.64
Open Space Required (ac.)	0.36
75% of Stormwater Pond (ac.)	0.29
Passive Recreation (ac.)	0.50
Open Space Provided (ac.)	0.79

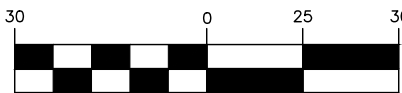
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LEGEND

	ASPHALT PAVEMENT
	PROPOSED CONCRETE AREA



GRAPHIC SCALE

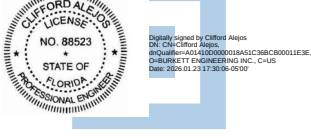


(IN FEET)

1 inch = 30 ft.

DATE: 2025-05-01
PROJECT NO.: 2320.30
DRAWN BY: AM
DESIGNED BY: PM
CHECKED BY: PM

ENGINEER IN CHARGE:
CLIFFOR ALEJOS, P.E.

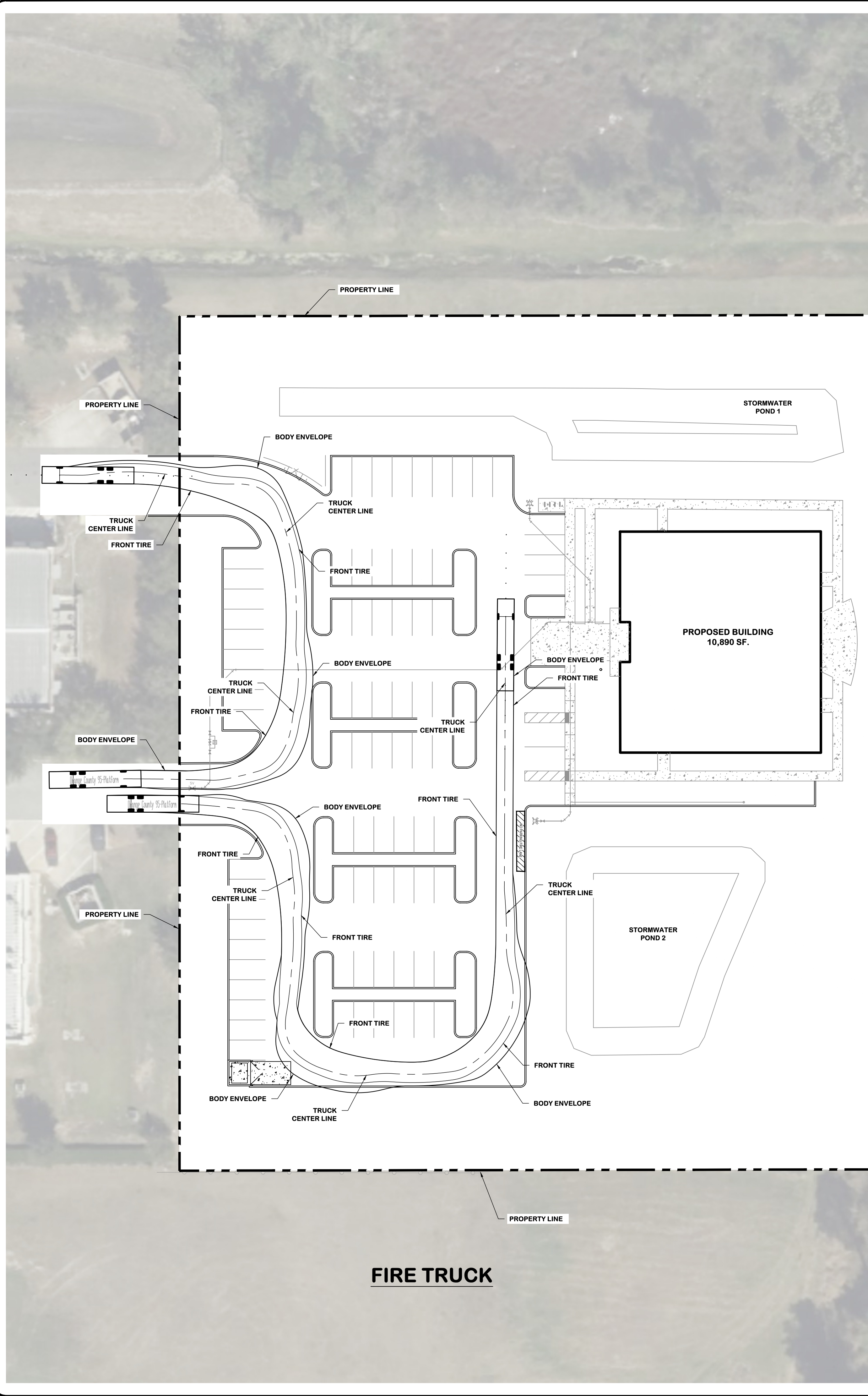


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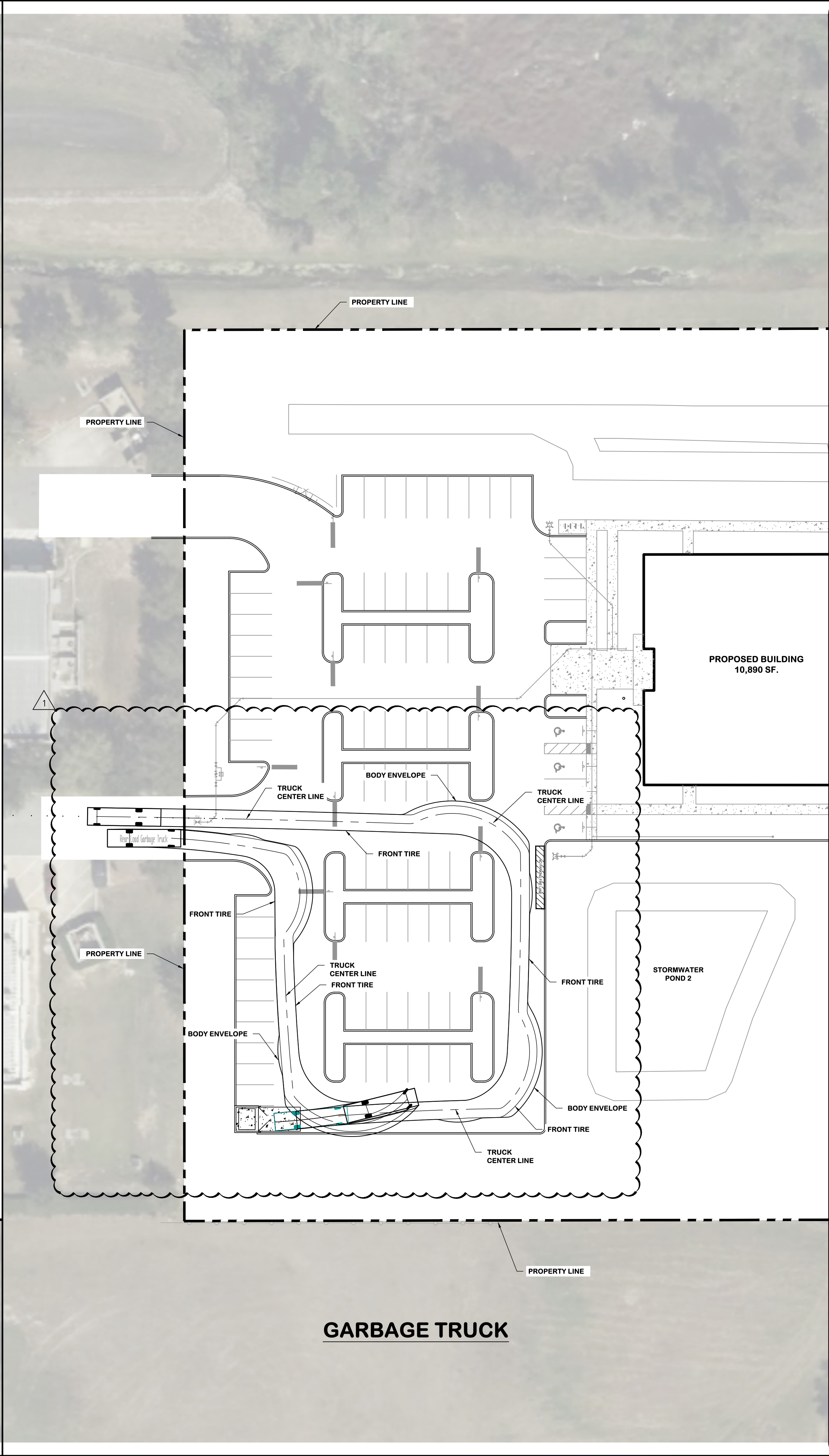
SHEET NO.

6

OF: 14



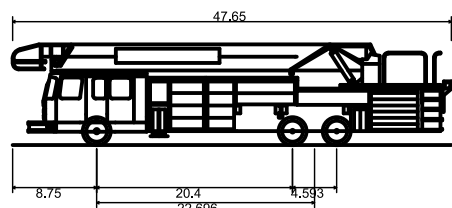
FIRE TRUCK



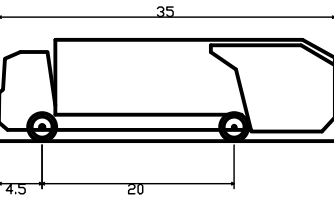
GARBAGE TRUCK

KEY NOTES

LEGEND



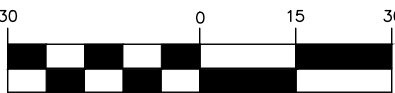
Fire Truck
Overall Length 47.650ft
Overall Width 8.750ft
Overall Body Height 10.48ft
Min Body Ground Clearance 0.920ft
Track Width 8.330ft
Lock-to-lock time 6.00s
Max Steering Angle (Virtual) 44.20°



Rear-Load Garbage Truck
Overall Length 35.000ft
Overall Width 8.375ft
Overall Body Height 10.546ft
Min Body Ground Clearance 1.000ft
Track Width 8.375ft
Lock-to-lock time 9.00s
Curb to Curb Turning Radius 29.300ft



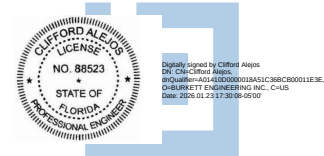
GRAPHIC SCALE



(IN FEET)
1 inch = 30 ft.

DATE: 2025-05-01
PROJECT NO.: 2320.30
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DESIGNED BY: PM
CHECKED BY: PM

ENGINEER IN CHARGE:
CLIFFOR ALEJOS, P.E.



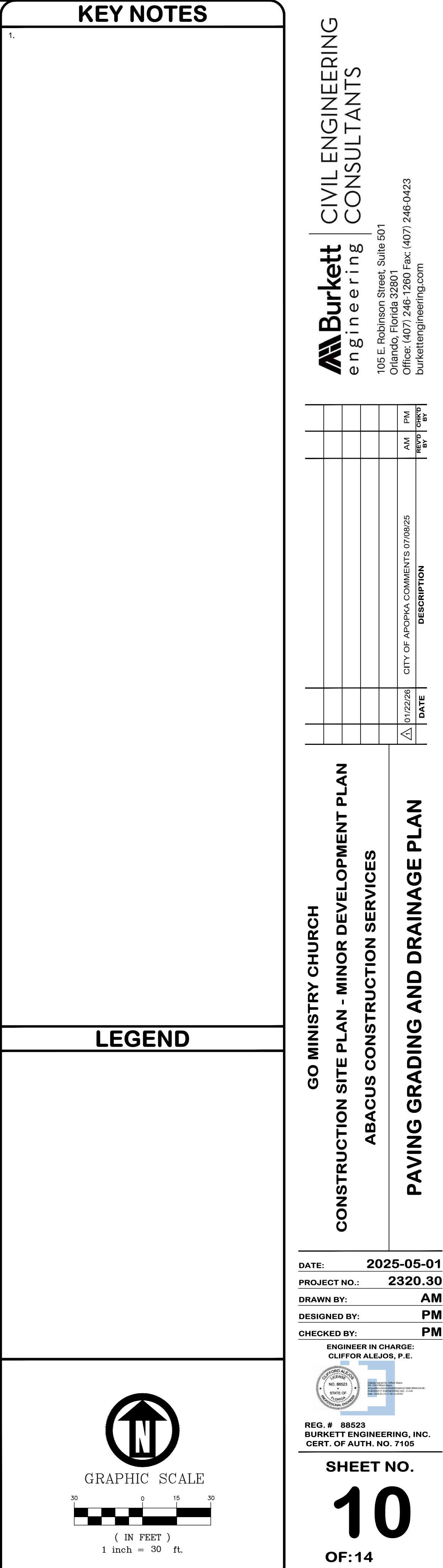
REG. # 88523
BURKETT ENGINEERING, INC.
CERT. OF AUTH. NO. 7105

SHEET NO.

8

OF:14





GENERAL NOTES

1. Governing standards and specifications on this project are considered the Florida Department of Transportation (FDOT) Design Standards (2013 Edition), FDOT Standard Specifications for Road and Bridge Construction (2013 Edition), and City of Apopka Utility Design and Construction Manual (2013 Edition).
2. All personal property, except mail boxes located within the public right-of-way (not relocated by the property owner), shall be removed by the Contractor as necessary to construct the project in accordance with the Construction Plans. Mail boxes shall be relocated by the Contractor in accordance with FDOT Index No. 532.
3. The disposal of excess earthwork materials shall be the responsibility of the Contractor. Approval of disposal sites shall be obtained from the City of Apopka prior to disposal.
4. All existing trees and stumps within the right-of-way and limit of the project are to be removed as clearing and grubbing unless otherwise directed.
5. Seed and mulch all disturbed areas not covered by sod unless otherwise directed.
6. All pavement offsets shown are to the proposed centerline of construction, as where radius dimensions are to the edge of pavement, unless otherwise noted.
7. Turnout locations and widths shown in the Construction Plans are approximate and may be adjusted as necessary or as directed by the Engineer. All turnouts shall be constructed in accordance with FDOT Index No. 515.
8. The various permits included in the bid specifications payment are included in the bid price for Section 104. The Contractor shall perform his work in accordance with the requirements of "Prevention, Control, and Abatement of Erosion and Water Pollution", excluding items specified elsewhere. Environmental controls shall be used at locations designated in the plans and/or designated by the Engineer.
9. The information shown on these drawings concerning type and location of underground and other utilities are based on available records and surveys, but is not guaranteed to be accurate or all inclusive. The Contractor shall make his own determination as to the type and location of utilities as may be necessary to avoid damage there to, and is responsible for coordinating utility relocation.
10. Prior to ordering drainage structures, the Contractor shall determine if drainage utility conflicts exist. Information about possible conflicts shall be submitted to the Engineer as soon as possible after discovery of such for resolution.
11. The Contractor shall notify all gas utility companies a minimum of two working days prior to excavation as required by Chapter 77-153 of the Florida Statutes.
12. All inlet/manhole - pipe joints shall be filled with non-shrink grout, covered with an asphaltic mastic coating, and wrapped with a filter fabric material per Section 13.03.03 of the Orange County Road Construction Specifications.
13. All curb inlets, ditch bottom inlets, and manholes shall have traffic bearing frames and covers or grates meeting HS-20 loading requirements.
14. Changes of pipe inverts not exceeding plus or minus one foot will not be considered as a basis for additional compensation for the pertinent pipe bid item or for modification of precast structures.
15. All benchmarks (irons and monuments) shown in the Construction Plans, or found, shall be preserved.

- Those shown in proposed pavement shall be protected with a cast iron valve box.
16. Public land corners within the limits of construction shall be protected. If a corner monument is in danger of being destroyed or disturbed, the Contractor shall notify the Engineer, without delay, by telephone. The Contractor shall provide written follow up confirmation within 48-hours of telephone notification.
17. Prior to beginning of any construction, the Contractor shall submit to the Engineer a set of field notes verifying the benchmark elevations and the reference point connections on the plan and profile view sheets, and/or a set of field notes for all additional benchmark and reference point connections proposed to be used in constructing the project with their location, description and elevation, based on North American Vertical Datum (NAVD88). All submittals shall be signed and sealed by a Professional Land Surveyor registered in the State of Florida.
18. Within 21 calendar days after notice to proceed, the Contractor shall stake the public right-of-way at 50 foot intervals and the right-of-way breaks with corresponding stations shown on the stakes. No invoice for payment for mobilization (Pay Item No. 101-1) will be processed until the right-of-way has been staked to the satisfaction of the Engineer.
19. Any United States Code (USC) and National Geodetic Survey (NGS) monuments within the limits of construction shall be protected. If in danger of damage, the Contractor shall notify the Engineer, and both shall notify:
State Geodetic Advisor, David Newcomer, NOAA
3900 Commonwealth Blvd. - MS105
Tallahassee, FL Phone (850) 245-2606
20. It shall be the responsibility of the Contractor to acquire all necessary right-of-way and maintenance of traffic permits. The City will waive all permits required for construction activities within the limits of public right-of-way owned and maintained by the City of Apopka. For construction activity within the limits of public right-of-way maintained by the City but owned by Orange County or the State of Florida, the Contractor shall acquire the required permits from the agencies. It shall be the responsibility of the Contractor to insure that all required permits are obtained and in-hand before beginning any construction.
21. The location of all existing utilities, storm drainage systems, and topographic features shown on the plans have been determined from the best available information and are provided for the convenience of the Contractor. The Engineer assumes no responsibility for their inaccuracy. Should a discrepancy arise between these plans and actual field conditions, which would appreciably affect the execution of these plans, the Contractor shall halt construction and notify the Engineer immediately.
22. The Contractor shall be responsible for notifying the City within 48 hours before any inspections. Also, the Contractor shall be responsible for meeting all inspection criteria, schedules and signing said inspections.
23. The Contractor shall not excavate, remove or otherwise disturb any material, structure or part of a structure which is located outside the lines, grades or grading section, established for this project, except where such excavations or removal is provided or in the Contract Construction Plans or Technical Specifications.
24. All work and all materials furnished shall be in conformity with the lines, grades, grading sections, cross sections, dimensions, material requirements, and testing requirements that are specified

- in the Contract Construction Plans or Technical Specifications.
25. All work shall be accomplished in strict accordance with all applicable federal, state and local codes, ordinances and regulations.
26. Apparent errors, discrepancies or omissions in the Construction Plans shall be brought to the Engineer's attention before bidding.
27. After completion of construction, the Contractor shall provide to the City a completed as-built plan one week prior to the final inspection. Before the final acceptance it shall be the Contractor's responsibility to perform a site cleanup for the removal of trash, debris, excess materials, and equipment to present the project site clean and in good order.
28. No extra payments shall be allowed for any work required due to misunderstanding of job or site conditions affecting the work as described in the Technical Specifications or shown on the Construction Plans. The Contractor shall not take advantage of any apparent error or omission in the Construction Plans or Technical Specifications and the Engineer shall be permitted to make corrections and interpretation as may be deemed necessary for the fulfillment of the intent of the Contract Documents. By entering the bidding process the bidders acknowledge acceptance of these conditions.
29. The Contractor shall submit four (4) sets of detailed shop drawings of all major items proposed for this project to the Engineer prior to ordering any of the equipment or material. Two (2) copies of the shop drawings will be returned to the Contractor. Upon the Contractor's receipt of approved shop drawings from the Engineer, the Contractor may proceed with the work.
30. The Contractor shall comply with the legal load restrictions in hauling of materials in public roads beyond the limits of construction work. A special permit will not relieve the Contractor of liability for damage which may result from the moving of material and equipment.
31. During construction, no direct discharge of water to downstream receiving waters will be allowed. The Contractor is responsible for maintaining water quality and route discharge water in such a manner as to adequately remove silt prior to runoff from the site.
32. Connection to existing lines to which utility pipe of the Contract must connect, the following work shall be performed:
A. Expose buried lines to confirm or determine end connection, pipe material and diameter.
B. Furnishing and installing piping and making proper connections.

UTILITY NOTES

1. All construction shall conform with the standards and specifications set forth by local, state and federal regulations, which so ever are more stringent, shall be adhered too.
2. The contractor shall be responsible for locating and verifying (horizontally and vertically) all existing utilities prior to construction and for notifying various utility companies to make the necessary arrangements for any relocation, temporary distribution service or clarification of activity regarding said utility. The contractor shall exercise caution when crossing an underground utility. Whether shown on these plans or filed located. All utilities, which interfere with the proposed construction, shall be relocated by the respective utility companies and the contractor

- shall cooperate with them fully during relocation operations. Any delay or inconvenience of the various utilities shall be incidental to the contract and no extra compensation will be allowed.
3. Provide minimum of 3 feet cover for all utilities unless otherwise noted in the construction plans.
4. Compact all utilities trenches within the roadways associated either this project to 98% of the proctor maximum density.
5. The specifications, notes and plans call attention to certain required features of the construction but do not purport to t cover all details of design and construction. However, the contractor shall furnish and install the works in all details and ready for operation.
6. All equipment and material associates with any utility work on this project shall be handled, stored, installed, tested and operated in strict accordance with the applicable manufactures instructions.
7. All utility work shall be accomplished to the highest quality craftsmanship standards

Location of public water system mains (pipe separation requirements)

The term "water mains" shall mean mains, including treatment plant process piping, conveying either raw, partially treated, or finished drinking water; fire hydrant leads; and service lines that are under the control of a public water system and that have an inside diameter of three (3) inches or greater

1. Horizontal separation between underground water mains and sanitary or storm sewers, wastewater or storm water force mains, reclaimed water pipelines, and on-site sewage treatment and disposal systems.

A. New or relocated, underground water mains shall be laid to provide a horizontal distance of at least three (3) feet between the outside of the water main and the regulated under part III of chapter 62-610, F.A.C.

laid to provide a horizontal distance of at least three (3) feet, and preferably ten (10) feet, between the outside of the water main and the outside of any existing or proposed vacuum-type sanitary sewer.

C. New or relocated, underground water mains shall be laid to provide horizontal distance of at least six (6) feet, and preferably ten (10) feet, between the outside of the water main and the outside of any existing or proposed gravity- or pressure-type sanitary sewer, wastewater force main, or pipeline conveying reclaimed water not regulated under part iii of chapter 62-610, F.A.C. the minimum horizontal separation distance between water mains and gravity-type sanitary sewers shall be reduced to three (3) feet where the bottom of the water main is laid at least six (6) inches above the top of the sewer.

D. New or relocated, underground water mains shall be laid to provide a horizontal distance of at least ten (10) feet between the outside of the water main and all parts of any existing or proposed "on-site sewage treatment and disposal system" as defined in section 381.0065(2), F.S., and rule 64E-6.002, F.A.C.

2. Vertical separation between underground water mains and sanitary or storm sewers, wastewater or storm water force mains, and reclaimed water pipelines.

A. New or relocated, underground water mains crossing any existing or proposed gravity-or vacuum type sanitary sewer or storm sewer shall be laid so the outside of the water main is at least six (6) inches, and preferably 12-inches, above or at least 12-inches below the outside of the other pipeline. However, it is preferable to lay the water main above the other pipeline.

NO.	REVISIONS:	DATE:							



CITY OF APOPKA

PUBLIC SERVICES DEPARTMENT

DESIGN ENGINEERING DIVISION

748 E. CLEVELAND STREET
APOPKA, FLORIDA 32703
TEL: (407) 703-1731
FAX: (407) 703-1748

NOT VALID WITHOUT THE SIGNATURE
AND THE ORIGINAL RAISED SEAL OF A
PROFESSIONAL LICENSED ENGINEER

ENGINEERED BY:
JEAN E. JREU, P.E.
LICENSE NO. 51007

SIGNATURE

DATE

PROJECT NAME:

SCALE: AS NOTED

DATE:

DWG File: Sheet 2 (General Notes)

SHEET DESCRIPTION:

CONSTRUCTION PLANS

GENERAL NOTES & SPECIFICATIONS

SHEET NO.

2a

DATE	DESCRIPTION	REV	BY

UTILITY NOTES CONTINUED

B. New or relocated, underground water mains crossing any existing or proposed pressure-type sanitary sewer, wastewater or storm water force main, or pipeline conveying reclaimed water shall be laid so the outside of the water main is at least 12-inches above or below the outside of the other pipeline. However, it is preferable to lay the water main above the other pipeline.

C. At the utility crossings described in paragraphs (a) and (b) above, one full length of water main pipe shall be centered above or below the other pipeline so the water main joints will be as far as possible from the other pipeline. Alternatively, at such crossings, the pipes shall be arranged so that all water main joints are at least three (3) feet from all joints in vacuum-type sanitary sewers, storm sewers, storm water force mains, or pipelines conveying reclaimed water regulated under part III of chapter 62.610, F.A.C., and at least six (6) feet from all joints in gravity- or pressure-type sanitary sewers, wastewater force mains, or pipelines conveying reclaimed water not regulated under part III of chapter 62-610, F.A.C.

3. Separation between water mains and sanitary or storm sewer manholes.

A. No water main shall pass through, or come into contact with, any part of a sanitary sewer manhole.

B. Effective August 28, 2003, water mains shall not be constructed or altered to pass through, or come into contact with, any part of a storm sewer manhole or inlet structure.

4. Separation between fire hydrant drains and sanitary or storm sewers, wastewater or storm water force mains, reclaimed water pipelines, and on- site sewage treatment and disposal systems. New or relocated fire hydrants with underground drains shall be located so that the drains are at least three (3) feet from any existing or proposed storm sewer, storm water force main, or pipeline conveying reclaimed water regulated under part iii of chapter 62-610, F.A.C.; at least three (3) feet, and preferably ten (10) feet, from any existing or proposed vacuum-type sanitary sewer; at least six (6) feet, and preferably ten (10) feet, from any existing or proposed gravity- or pressure-type sanitary sewer, wastewater force main, or pipeline conveying reclaimed water not regulated under part III of chapter 62-610, F.A.C.; and at least ten (10) feet from any existing or proposed "on-site sewage treatment and disposal system" as defined in section 381.0065(2), F.S., and rule 64E-6.002

Service pipe, stops and fittings

1. Service pipe all service lines shall be 1", 1-1/2" or 2" polyethylene tubing. With NSF logo for potable water use, and must conform to specification in AWWA C800 and AWWA C901.
2. Stops corporation stops shall be 1", 1-1/2" or 2" brass, equipped with connections compatible with the polyethylene tubing and threaded in accordance with specifications in AWWA c800 and AWWA C901. Curb stops shall be sized to match the meter size and conform to the specifications in AWWA C800 and AWWA C901
3. Fittings fittings shall be brass, cast and machined in accordance with specifications in AWWA c800 and AWWA c901 / with compatible polyethylene tubing connections.
4. Service saddles a service saddle shall be used for all service line traps. Service saddles shall be double strap, anchored by a minimum four (4) bolt pattern on a ductile iron saddle body. Service saddles for PVC pipes shall have the double strap sized

exactly to the pipe outside diameter. Sealing gaskets shall be buna-n rubber and straps shall be corrosion resistant alloy steel. The city may require a stainless steel hardware in areas designated as corrosive.

Pipe restraints / Thrust blocks

A. Pipe restraints shall consist of pipe harnesses and/or ties, or restrained push on, or restrained mechanical joint. Restraints shall be in accordance with the tables on sheet No. 20. Thrust blocks may only be used if approved by the city and to be as follows:

B. Bearing area of thrust blocks shall be adequate to prevent any movement of the fitting and shall be of the size and dimensions as shown in the construction plans.

C. Concrete for thrust block shall be class c. Concrete shall be placed against undisturbed material, and shall not cover joints, bolts or nuts, or interfere with the removal of any joint. Wooden side forms shall be provided for thrust blocks. In lieu of thrust blocking and with the approval of the engineer, pipe harnesses and/or ties, or restrained push-on, or restrained mechanical joints may be used.

Pressure and leakage test of underground pressure piping

A. Hydrostatic pressure and leakage test shall conform with section 7.3 of AWWA C605 (PVC) and section 5.2 of AWWA C600 (dip) specification with the exception that the contractor shall furnish all gauges, meters, pressure pumps and other equipment needed to test the line. Hydrostatic pressure and leakage test for polyethylene (PE) pressure pipe shall conform with chapter 9 of AWWA manual M55. No leakage is allowed during field pressure testing of PE pipes that are joined by thermal or fuse butt welding.

B. The pressure required for the field hydrostatic pressure test shall be 50% above the normal working pressure but not less than 150 psi. The contractor shall provide temporary plugs and blocking necessary to maintain the required test pressure. Corporation cocks at least 3/4-inch in diameter, pipe riser and angle globe valves shall be provided at each pipe dead-end in order to bleed air from the line. Duration of pressure test shall be at least two (2) hours with no drop in test pressure. The cost of these items shall be paid by the contractor.

C. The leakage test shall be conducted following the pressure test and shall be of not less than 2 hours duration.

All leaks evident at the surface shall be repaired and leakage eliminated regardless of total leakage as shown by test. Lines, which fail to meet tests, shall be repaired and retested as necessary until test requirements are met. Defective materials, pipes, valves, and accessories shall be removed and replaced. The pipe lines shall be tested in such sections as may be directed by the engineer by shutting valves or installing temporary plugs as required. The lines shall be filled with water all air removed and the test pressure shall be maintained in the pipe for the entire test period by means of a force pump to be furnished by the contractor. Accurate means shall be provided for measuring the water required to maintain this pressure. The amount of water required is a measure of the leakage. D. The amount of leakage, which will be permitted, shall be in accordance with AWWA C600 standards for all pressure. No pipe installation shall be accepted if the leakage is greater than the following formula:

This formula shall be used for "PVC" pipe	This formula shall be used for "DIP" pipe
$L = N D \frac{P}{7,400}$	$L = S D \frac{P}{133,200}$
Where: L = allowable leakage (gal./hour) S = length of pipe tested (linear feet) D = nominal diameter of pipe (inches) P = 150 psi for water mains P = 100 psi for force mains N = number of joints	Where: L = allowable leakage (gal./hour) S = length of pipe tested (linear feet) D = nominal diameter of pipe (inches) P = 150 psi for water mains P = 100 psi for force mains N = number of joints

E. The contractor must submit his plan for testing to the engineer for review at least ten (10)-days before starting the test. The contractor shall remove and adequately dispose all blocking material and equipment after completion and acceptance of the field hydrostatic test, unless otherwise directed by the engineer. Any damage to the pipe coating shall be repaired by the contractor. Lines shall be totally free and clean prior to final acceptance.

Disinfection

Prior to acceptance of the lines, and prior to use of said mains of domestic purposes, the contractor shall flush the line clear of foreign material and then sterilize the pipeline, including all valves and fittings, in accordance with AWWA C651.

Chlorination

The chlorinating agent shall be applied at the beginning of the section adjacent to the feeder connection and shall be injected through a corporation cock, hydrant or other connection insuring treatment of the entire line. The chlorinating agent shall be any compound specified by said AWWA C651 requirements, such as "HTH" or other or other approved chlorine-bearing compounds. Water shall be fed slowly into the new line with chlorine applied in amounts to produce a dosage of 40 to 50 ppm and a residual of not less than 50 ppm in all parts of the line after a 24-hour period has elapsed. During chlorination process, operate all valves and accessories.

Flushing the water line

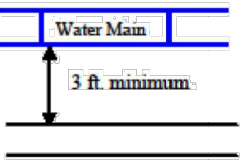
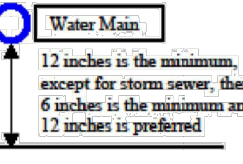
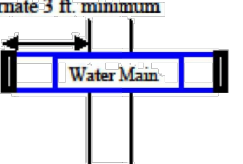
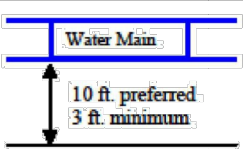
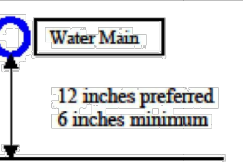
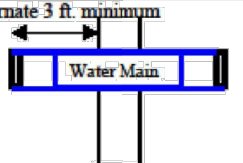
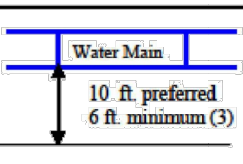
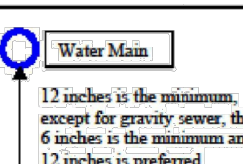
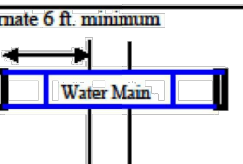
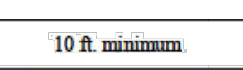
Care shall be taken to provide disinfections to the total system and extremities shall be carefully flushed to accomplish this end.

Connection to existing water mains

If the connection of proposed water main results in depressurization of existing water main below 20 psi, one of the following shall occur:

- A. Precautionary boil water notice shall be issued in all areas where an interruption of water service that has been deemed a health threat by F.D.E.P. will occur, or will affect the bacteriological quality of the existing water main. The issuance of the boil water notices shall be handled in the field by the utility owner.
- B. Advisories shall be issued if temporary changes in water quality are expected to occur and are not deemed an imminent public health threat. The advisories shall also be issued by the utility owner.

LOCATION OF PUBLIC WATER SYSSYM MAINS IN ACCORDANCE WITH F.A.C. RULE 62-555.314

Other Pipe	Horizontal Separation	Crossings (1)	Joint Spacing @ Crossings (Full Joint Centered)
Storm Sewer, Stormwater Force Main, Reclaimed Water (2)			
Vacuum Sanitary Sewer			
Gravity or Pressure Sanitary Sewer, Sanitary Sewer Force Main, Reclaimed Water (4)			
On-Site Sewage Treatment & Disposal System		---	---

- (1) Water main should cross above other pipe. When water main must be below other pipe, the minimum separation is 12 inches.
(2) Reclaimed water regulated under Part III of Chapter 62-610, F.A.C.
(3) 3 ft. for gravity sanitary sewer where the bottom of the water main is laid at least 6 inches above the top of the gravity sanitary sewer.
(4) Reclaimed water not regulated under Part III of Chapter 62-610, F.A.C.

Disclaimer - This document is provided for your convenience only. Please refer to F.A.C. Rule 62-555.314 for additional construction requirements.

Water and reclaimed water mains shall maintain a 3' min cover below existing grade and shall be installed, as necessary, to avoid any potential conflicts with other proposed or existing pipe or structures.

NO.	REVISIONS:	DATE:							



CITY OF APOPKA

PUBLIC SERVICES DEPARTMENT

DESIGN ENGINEERING DIVISION

748 E. CLEVELAND STREET

APOPKA, FLORIDA 32703

TEL: (407) 703-1731

FAX: (407) 703-1748

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A PROFESSIONAL LICENSED ENGINEER

ENGINEERED BY: JEAN E. JREU, P.E.
LICENSE NO. 51907

SIGNATURE

DATE

PROJECT NAME:

SCALE: AS NOTED

DATE:

DWG File: Sheet 2 (General Notes)

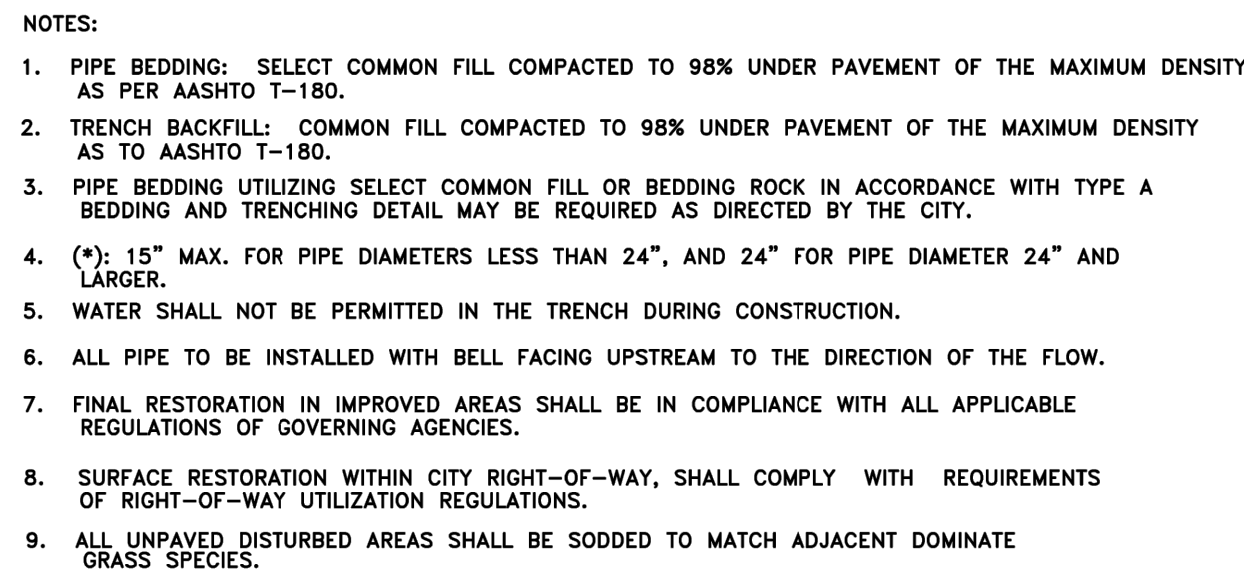
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CONSTRUCTION PLANS

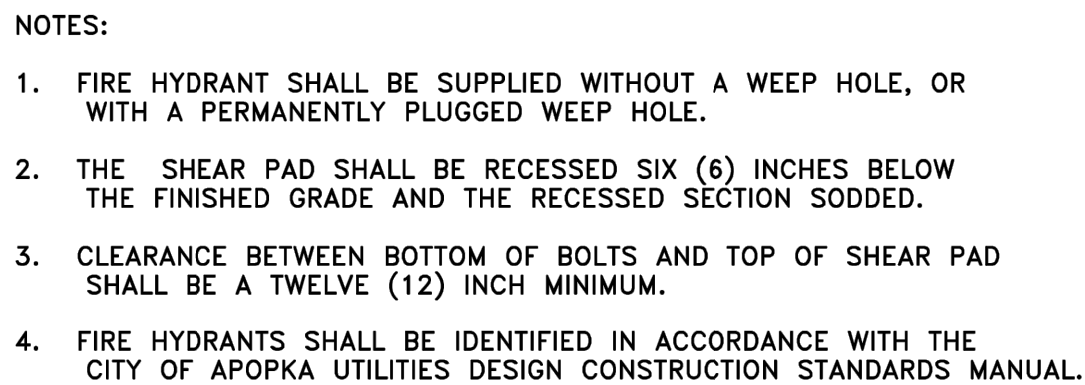
GENERAL NOTES & SPECIFICATIONS

SHEET NO.

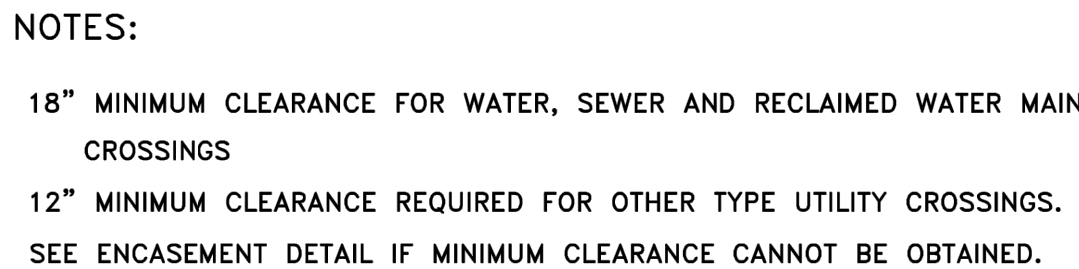
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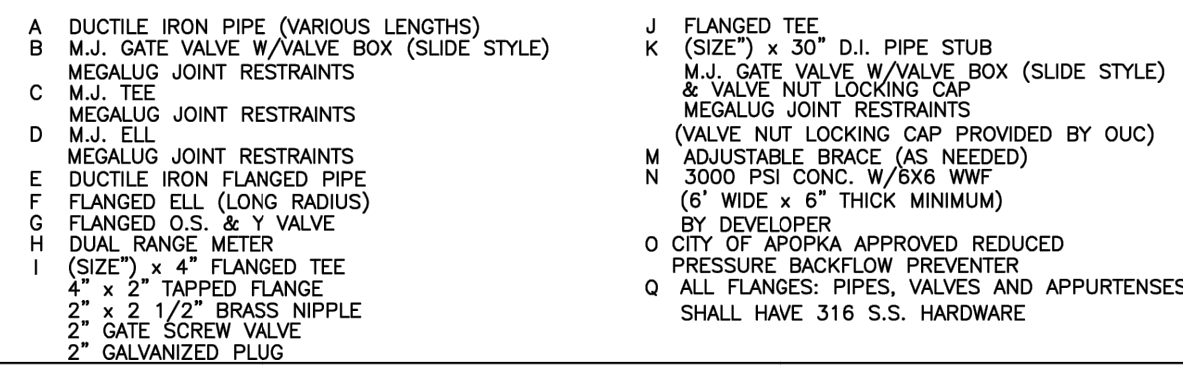
CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 100
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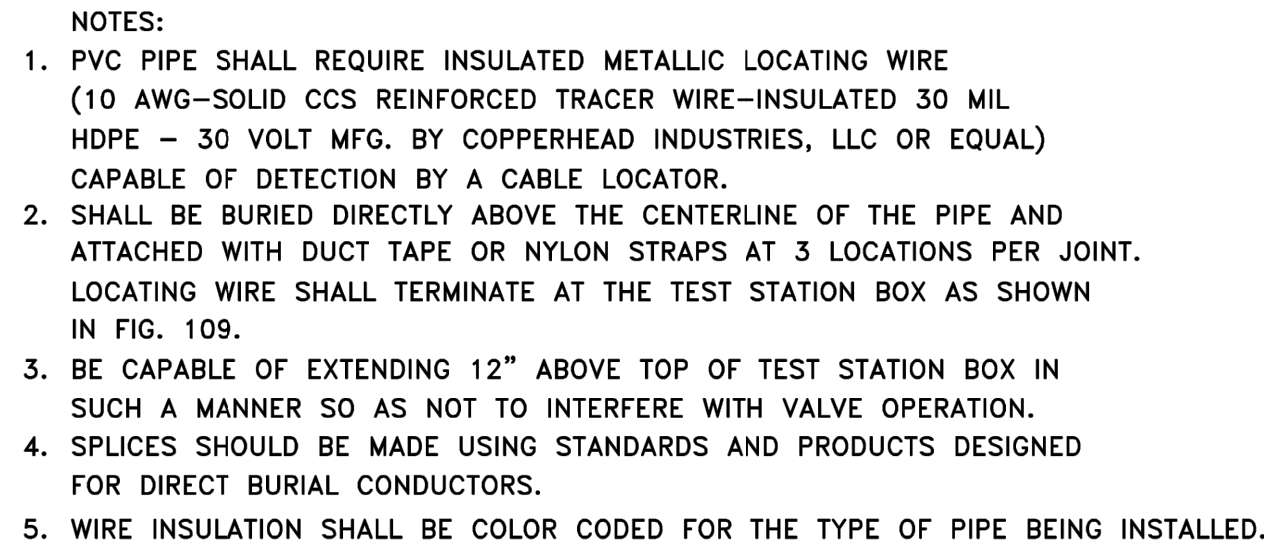
CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 402
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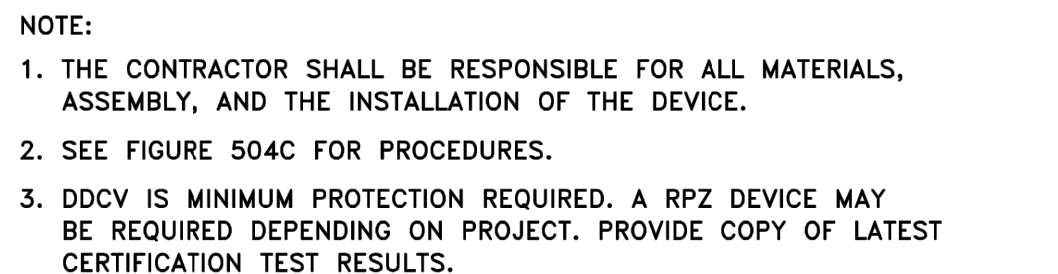
CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 117
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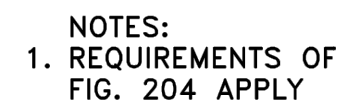
FIRE LINE MASTER METER ASSEMBLY W/ BY-PASS (TYPICAL)



CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 118
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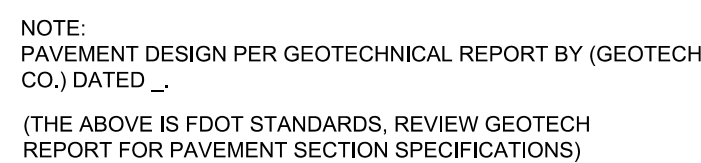
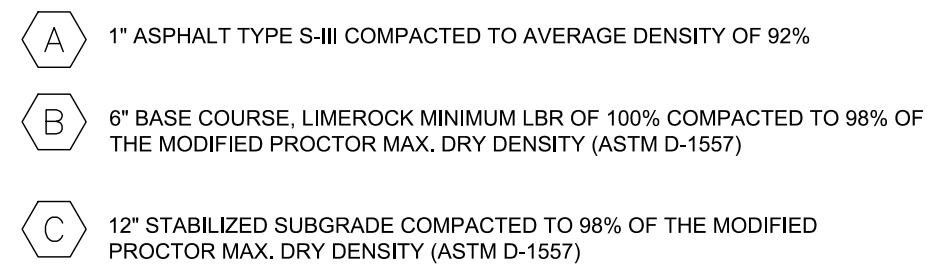
CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 504 A
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CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 205
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4. A temporary jumper connection is required at all connections between existing active water mains and proposed new water main improvements.
5. Figures 504 A and 504 B to be used for filling any new water main of any size from existing active water mains and for flushing of new mains up to 8 inches in diameter (2 IPS minimum) and for pulling bacteriological samples from any new water main of any size. The jumper connection shall be maintained until after filling, flushing and disinfection of the new main has been successfully completed and cleared for use from the Florida Department of Environmental Protection (FDEP) and other pertinent agencies have been received. The jumper connection shall also be used to maintain a minimum pressure of 20 psi in the new mains after disinfection and until the FDEP clearance letter is obtained. The thrust blocking and/or tie-in valves shall be provided temporarily, as required. Pipe and fittings used for connecting the new pipe to the existing pipe shall be disinfected prior to installation in accordance with AWWA C651, 2005 edition. The tapping sleeve on the exterior of the main to be tapped shall be disinfected by spraying or swabbing per section II of AWWA C651-05.
6. Flushing of 10 inches in diameter and larger water mains may be done through the tie-in valve on any existing water main. The tie-in valve shall be opened and the procedure shall be as follows:
 - A. The tie-in valves shall be operated and pressure tested in the presence of the City engineer to verify water tightness prior to tie-in. Valves which are not water tight shall be replaced with a new valve installed immediately adjacent to the leaking valve.
 - B. The temporary jumper connection shall be constructed as detailed. The jumper connection shall be used to fill the new water main and also providing water for bacteriological sampling of the new main as required by the FDEP permit.
 - C. Flushing shall not be attempted during peak demand hours of the existing water mains.
 - D. All downstream valves in the system must be open prior to opening the tie-in valve.
 - E. Provide for and monitor the pressure in the tie-in point. The pressure in the existing main must not drop below 35 psi.
 - F. The tie-in valve shall be opened a few turns only, ensuring a pressure drop across the valve is greater than 10 psi.
 - G. The tie-in valve shall be locked closed by the City personnel until flushing begins.
 - H. The tie-in valve shall be opened only for flushing of the new main. The procedure shall be directed by the City and observed by the engineer.
 - I. After flushing, the tie-in valve shall be closed and locked in the closed position by the City personnel.
7. The contractor shall provide documentation demonstrating that the double check backflow prevention device has been tested and is in good working order at the time of installation.
8. Except as required to flush lines of greater than 8 inches in diameter, the tie-in valve shall be closed and the tie-in valve shall be locked closed in the closed position by the City. The tie-in valve shall remain locked closed until the new system has been cleared for use by FDEP and all other pertinent agencies.
9. Upon receipt of clearance for use from FDEP and all other pertinent agencies, the contractor shall remove the temporary jumper connection. The corporation stops are to be closed and plugged with 2 inch brass caps.
10. All installation and maintenance of the temporary jumper connection and associated backflow prevention device, fittings, valve, etc. shall be the responsibility of the contractor.

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 504 C
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NOTE:
PAVEMENT DESIGN PER GEOTECHNICAL REPORT BY BLUE MARLIN ENGINEERING.
(THE ABOVE IS FDOT STANDARDS, REVIEW GEOTECH
REPORT FOR PAVEMENT SECTION SPECIFICATIONS)

- | | |
|---|---|
| A | 2.0" ASPHALT TYPE S-I |
| B | 10" LIMEROCK BASE COURSE (LBR = 100) |
| C | 12" STABILIZED SUBGRADE (LBR OF 40") COMPACTED TO 98% OF THE MODIFIED PROCTOR MAX. DRY DENSITY (ASTM D-1557). |

NOTE:
STABILIZATION TO CONSIST OF COARSE ADMIXTURES SUCH AS LIMEROCK SCREENINGS,
RECYCLED CONCRETE OR CRUSHED SHELLS.



NOTE:
PAVEMENT DESIGN PER GEOTECHNICAL REPORT BY BLUE MARLIN ENGINEERING.
(THE ABOVE IS FDOT STANDARDS, REVIEW GEOTECH
REPORT FOR PAVEMENT SECTION SPECIFICATIONS)

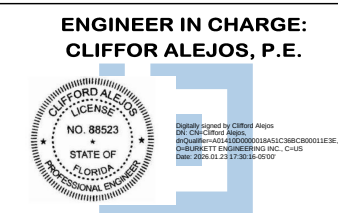
- | | |
|---|---|
| A | 2.0" ASPHALT TYPE S-I |
| B | 10" LIMEROCK BASE COURSE (LBR = 100) |
| C | 12" STABILIZED SUBGRADE (LBR OF 40)" COMPACTED TO 98% OF THE MODIFIED PROCTOR MAX. DRY DENSITY (ASTM D-1557). |

NOTE:
STABILIZATION TO CONSIST OF COARSE ADMIXTURES SUCH AS LIMEROCK SCREENINGS,
RECYCLED CONCRETE OR CRUSHED SHELLS.



DATE	DESCRIPTION	AM	PM
11/17/25	CITY OF APOPKA COMMENTS 07/08/25		

DATE:	2025-05-01
PROJECT NO.:	2320.30
DRAWN BY:	AM
DESIGNED BY:	PM
CHECKED BY:	PM

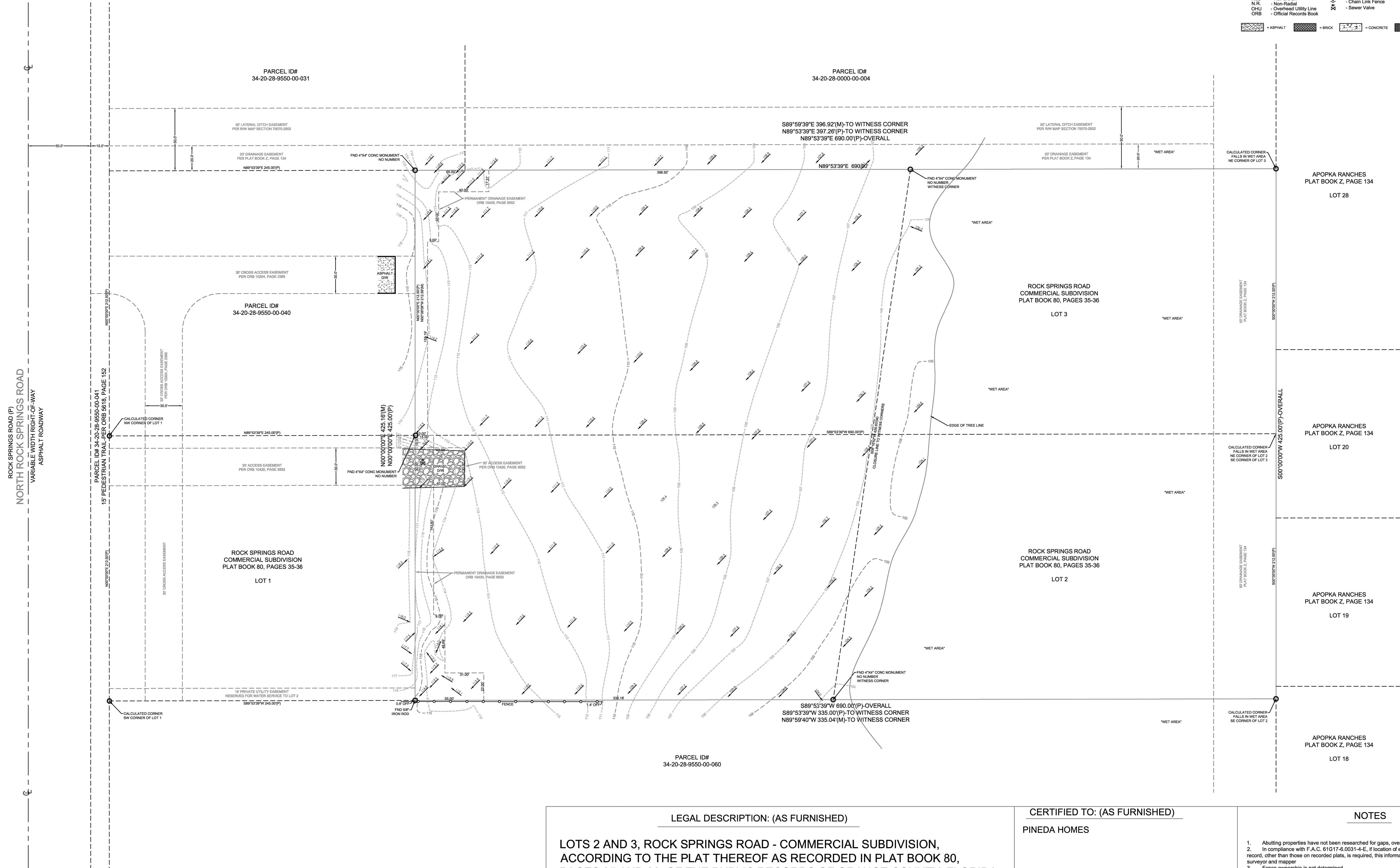
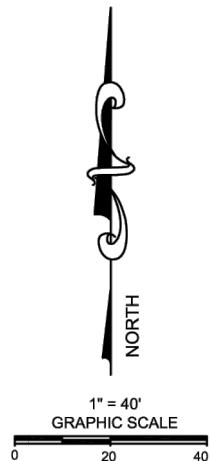


REG. # 88523
BURKETT ENGINEERING, INC.
CERT. OF AUTH. NO. 7105

SHEET NO.

14

OF:14



LEGAL DESCRIPTION: (AS FURNISHED)	CERTIFIED TO: (AS FURNISHED)	NOTES
LOTS 2 AND 3, ROCK SPRINGS ROAD - COMMERCIAL SUBDIVISION, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 80, PAGES 35 AND 36, OF THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA.	PINEDA HOMES	
LIST OF POSSIBLE ENCROACHMENTS: FENCES AS SHOWN		
BASIS OF BEARINGS: BEARINGS SHOWN HEREON ARE BASED ON THE WEST LINE OF LOT 2 AND 3, BEING N 00°00'00" E, PER PLAT.		
	FLOOD ZONE INFORMATION (FOR INFORMATIONAL PURPOSES ONLY)	
	SUBJECT PROPERTY SHOWN HEREON APPEARS TO BE LOCATED IN FLOOD ZONE X, AREA OUTSIDE OF THE 100 YEAR FLOODPLAIN, PER F.I.R.M. PANEL NUMBER 12095C 0110H LAST REVISION DATE 09/24/2021	

LEGEND	
A/C - Air Conditioner C - Calculated CB - Centerline CM - Concrete Monument CONC - Concrete COV - Covered D - Description DE - Drainage Easement DUE - Drainage & Utility Easement DW - Driveway ESMT - Easement FEE - Finished Floor Elevation F - Found IP - Iron Pipe L - Length (Arc) M - Measured N&D - Nail & Disk N.R. - Non-Radius OHL - Overhead Utility Line ORB - Official Records Book	P - Plat P.B. - Plat Book PC - Point of Curvature PI - Point of Intersection P.O.B. - Point of Beginning P.O.C. - Point of Commencement PP - Power Pole PRC - Point of Reverse Curvature PRM - Permanent Reference Monument R - Radius RAD - Radial R&C - Rebar & Cap RFD - Roofed UE - Utility Easement WM - Water Meter Δ - Delta (Central Angle) -D- - WoodPVC Fence -C- - Chain Link Fence -S- - Sewer Valve
ASPH - ASPHALT BRCK - BRICK CONC - CONCRETE PAVS - PAVERS	Handicap Parking Metal Light Pole Well Gas Meter Guywire Fire Hydrant Water Valve Sewer Manhole Cover Storm Drain Inlet Wood Power Pole Topographic Elevation

SHEET 1 OF 1

BOUNDARY & LOCATION SURVEY			
OF			
ROCK SPRINGS ROAD			
APOPKA, FLORIDA 32712			
NO.	DATE	REVISIONS	

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS SKETCH OF SURVEY WAS MADE UNDER MY PERSONAL SUPERVISION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF, SAID SURVEY MEETS THE STANDARDS OF PRACTICE SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS IN CHAPTER 472.027 FLORIDA ADMINISTRATIVE CODE. FURTHER, THIS DOCUMENT IS ELECTRONICALLY SIGNED AND SEALED PURSUANT TO THE FLORIDA STATUTES SECTION 54.17.062.2 AND 54.17.062.3 OF THE FLORIDA ADMINISTRATIVE CODE.

DATE SIGNED: 02/10/2025

THE SEAL APPEARING ON THIS DOCUMENT IS THE SEAL OF THE SURVEYOR, BILL H. HYATT, LS 4636, ON THIS DATE 02/10/2025.

SURVEYOR'S NAME: BILL H. HYATT LS 4636

DEAL LAND SURVEYING, LLC LB 8121

DEAL

DLS

FOR ALL INQUIRIES CONTACT:
DEAL LAND SURVEYING, LLC
804 S French Avenue
Sanford, FL 32771
407-878-3796
INFO@dealandsurveying.com

JOB NO. D25-01-0052	FIELD DATE: 02/03/2025	SCALE: 1"= 40'	DRAWN BY: DUC	FIELD CREW: CL	APPROVED BY: BHH	OPERATING UNDER LE#8121
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