

**DEVELOPER**

DAVIS & SONS  
20725 SW 46TH AVE  
NEWBERRY, FL 32669  
(352) 472-7773

**OWNERS**

DAVIS COMPANIES LLC  
20725 SW 46TH AVE  
NEWBERRY, FL 32669  
(352) 472-7773

**SURVEYOR OF RECORD**

KEVIN W. HEWETT, P.L.S.  
CHW  
8465 MERCHANTS WAY, STE 2.  
JACKSONVILLE, FL. 32222  
(904) 619-6521

**ENGINEER OF RECORD**

MITCHELL G. MASON, P.E.  
CHW  
8465 MERCHANTS WAY, STE 2.  
JACKSONVILLE, FL. 32222  
(904) 619-6521  
MitchellM@chw-inc.com

**LANDSCAPE ARCHITECT**

CHW  
8465 MERCHANTS WAY, STE 2.  
JACKSONVILLE, FL. 32222  
(904) 619-6521

# CONSTRUCTION/MAJOR SITE PLAN

FOR

## MILLS CREEK PRESERVE PHASE 2

### NASSAU COUNTY, FLORIDA

### SECTION 12, TOWNSHIP 2 NORTH, RANGE 26 EAST

SUBMITTED TO

### NASSAU COUNTY

### ST. JOHNS RIVER WATER MANAGEMENT DISTRICT FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION JEA

**TRAFFIC STATEMENT:**

PROPOSED LAND USE	ITE LU	UNITS	RATE	AADT	AM PEAK	PM PEAK
MULTI-FAMILY HOUSING (MID-RISE)	221	112	4.54	508	38	44

1.) BASED ON ITE 11TH EDITION

PARKING CALCULATION: 112 DWELLING UNITS PROPOSED WITH PHASE 2, PHASE 1 + PHASE 2 TOTAL = 300 UNITS; AT 2 SPACES PER DU = 600 SPACES REQUIRED, 201 SPACES PROVIDED (THIS PHASE), 598 TOTAL SPACES PROVIDED.

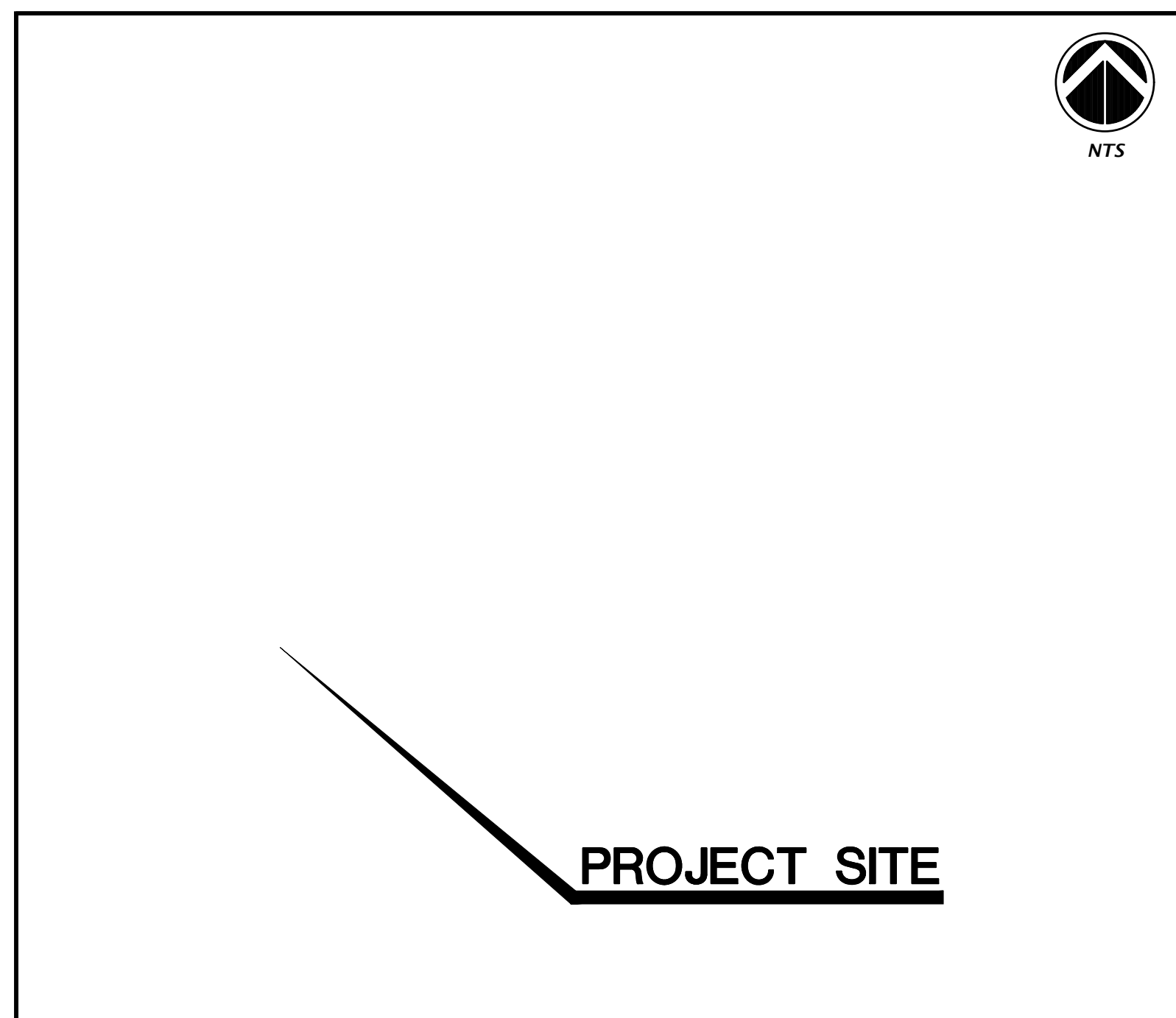
24 ACCESSIBLE SPACES REQUIRED; 33 TOTAL ACCESSIBLE SPACES PROVIDED, 9 ACCESSIBLE SPACES PROVIDED IN PHASE 2.

**SITE DEVELOPMENT DATA**

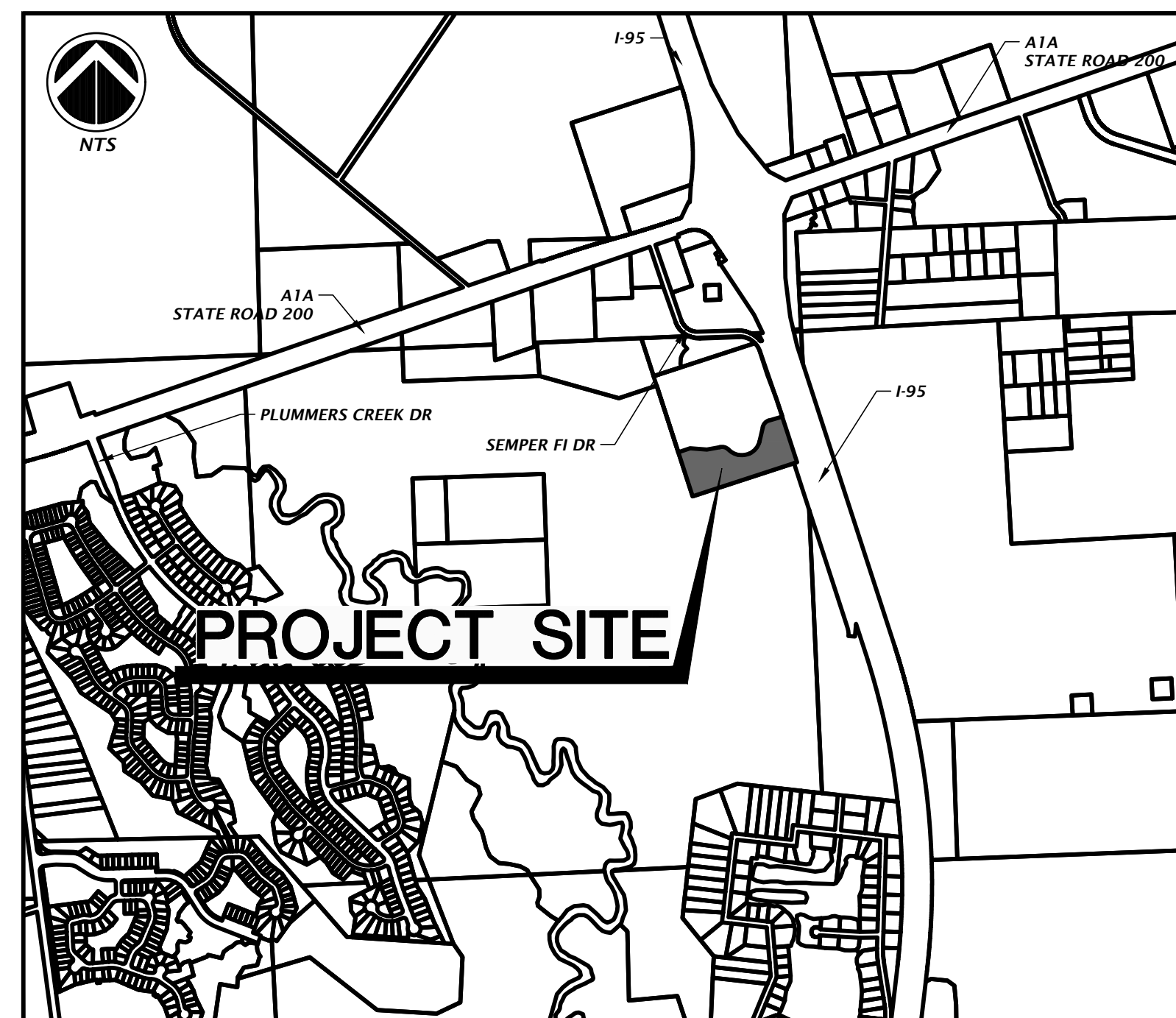
ZONING:	RG-1
FLU: HDR	ON-SITE
DEVELOPMENT AREA:	404,672 S.F. 9.29 AC
BUILDING AREA:	69,400 S.F. 17.15%
ROADS/CURB/CONCRETE:	79,577 S.F. 19.66%
SMF:	84,503 S.F. 20.88%
IMPERVIOUS AREA:	148,977 S.F. 36.81%
OPEN SPACE:	171,192 S.F. 42.30%
PARKING SPACES:	201
MAX BUILDING HEIGHT:	LESS THAN 40 FEET
TAX PARCEL:	#12-2N-26-0000-0001-0080

**SHEET INDEX**

SHEET NUMBER	DESCRIPTION
C0.00	COVER SHEET AND INDEX
1 - 2	BOUNDARY AND TOPOGRAPHIC SURVEY
C0.10	GENERAL NOTES
C0.11	LEGEND
C0.20	STORMWATER POLLUTION PREVENTION NOTES
C0.21 - C0.22	STORMWATER POLLUTION PREVENTION PLAN AND DETAILS
C0.30	DEMOLITION PLAN
C1.00	MASTER SITE PLAN
C1.10 - C1.15	DETAILED HORIZONTAL CONTROL AND SITE PLAN
C1.16 - C1.17	DETAILED HORIZONTAL CONTROL GARAGE VIEWS
C2.00	MASTER GRADING AND DRAINAGE PLAN
C2.10 - C2.15	DETAILED GRADING AND DRAINAGE PLAN
C2.16 - C2.17	DETAILED GRADING AND DRAINAGE GARAGE VIEWS
C2.20 - C2.43	STORMWATER MANAGEMENT FACILITIES PLAN AND DETAILS AND SECTIONS
C2.60 - C2.61	CONSTRUCTION DETAILS
C3.00	MASTER UTILITY PLAN
C3.10 - C3.15	DETAILED UTILITY PLAN
C3.40 - C3.43	SANITARY SEWER PLAN AND PROFILE
C3.60 - C3.68	WATER AND WASTEWATER DETAILS
C4.00	TYPICAL SECTIONS
C5.00 - C5.01	PHASE 1 REVISIONS
A2.1 - A2.3	ARCHITECTURAL FLOOR PLANS
A6.1 - A6.3	ARCHITECTURAL ELEVATIONS
ES001 - ES201	SITE PHOTOMETRIC PLANS
LS-1 - LS-3	LANDSCAPE PLANS



VICINITY MAP



LOCATION MAP

**BEFORE YOU DIG !**  
CALL SUNSHINE STATE ONE CALL OF FLORIDA  
AT LEAST TWO FULL BUSINESS DAYS BEFORE  
DIGGING OR DISTURBING EARTH

1-800-432-4770

**811**  
Know what's below.  
Call before you dig.

8465 Merchants Way, Ste. 102  
Jacksonville, Florida 32222  
(904) 619-6521  
www.chw-inc.com  
est. 1988 FLORIDA  
CA-3075

**CHW**  
Professional Consultants

SCALE: N/A  
THIS IS A PRELIMINARY  
ORIGINAL DRAWING  
IF YOU ARE REVISIONING  
THIS SHEET, ADJUST  
SCALES ACCORDINGLY.

CONSTRUCTION REVISIONS

DATE: 1/17/23 - FIRST SUBMITTAL  
5/26/23 - SECOND SUBMITTAL

CLIENT: DAVIS & SONS

PROJECT: MILLS CREEK PRESERVE PHASE 2

SHEET TITLE: COVER SHEET AND INDEX

DESIGNER: K. MERRITT

PROJECT ENGINEER: M. MASON

QUALITY CONTROL: D. YOUNG

PROJECT NUMBER: 17-0279.01

MITCHELL G. MASON

Mitchell G. Mason, P.E.  
State of Florida, Professional  
Engineer, License No. 92335

This item has been digitally  
signed and sealed by Mitchell  
G. Mason, P.E. on the date  
indicated here: 10/25/2023

Printed copies of this  
document are not considered  
signed and sealed and the  
signature must be verified on  
any electronic copies.

FL PE No. 92335

SHEET NO:  
**C0.00**





## ABBREVIATIONS

<b>S</b>	SYMBOLS	<b>N</b>	NORTH
'	FEET (WHEN USED WITH LENGTHS)	N-E	NORTHING - EASTING
°	DEGREES	N/A	NOT APPLICABLE
'	MINUTES (WHEN USED WITH ANGLES)	NAVD	NORTH AMERICAN VERTICAL DATUM OF 1988
"	SECONDS	NGVD	NATIONAL GEODETIC VERTICAL DATUM OF 1929
%	PERCENT	NO	NUMBER
@	AT	NPDES	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
		NTS	NOT TO SCALE
		<b>O</b>	ON CENTER
<b>A</b>	ASSHTO ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS	OHW	OVERHEAD WIRE
<b>AC</b>	ACRES	ORB	OFFICIAL RECORDS BOOK
<b>ADA</b>	AMERICAN WITH DISABILITIES ACT	OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
<b>ANSI</b>	AMERICAN NATIONAL STANDARDS INSTITUTE		
<b>ARCH</b>	ARCHITECT		
<b>ARV</b>	AIR RELEASE VALVE		
<b>ASTM</b>	AMERICAN SOCIETY FOR TESTING AND MATERIALS		
<b>AWWA</b>	AMERICAN WATER WORKS ASSOCIATION		
		<b>P</b>	PAVEMENT
		<b>B</b>	POINT OF CURVATURE
<b>BC</b>	BACK OF CURB	<b>PCC</b>	POINT OF COMPOUND CURVE
<b>BFP</b>	BACKFLOW PREVENTER	<b>PERF</b>	PERFORATED
<b>BLDG</b>	BUILDING	<b>PROP</b>	PROPOSED
<b>BM</b>	BENCHMARK	<b>PT</b>	POINT OF TANGENCY
<b>BMP</b>	BEST MANAGEMENT PRACTICE	<b>PVC</b>	POLYVINYL CHLORIDE
<b>BOC</b>	BACK OF CURB	<b>PVI</b>	POINT OF VERTICAL INTERSECTION
<b>BVCS</b>	BEGIN VERTICAL CURVE STATION		
<b>BVCE</b>	BEGIN VERTICAL CURVE ELEVATION	<b>R</b>	RADIUS
<b>BW</b>	BOTTOM OF WALL	<b>RCP</b>	REINFORCED CONCRETE PIPE
<b>BSL</b>	BUILDING SETBACK LINE	<b>RPM</b>	RAISED REFLECTIVE PAVEMENT MARKER
		<b>RPZ</b>	REDUCED PRESSURE ZONE
		<b>RT</b>	RIGHT
<b>CATV</b>	CABLE TELEVISION	<b>RWM</b>	RECLAIMED WATER MAIN
<b>CI</b>	CURB INLET	<b>R/W</b>	RIGHT-OF-WAY
<b>CP</b>	CAST IRON PIPE		
<b>CMP</b>	CORRUGATED METAL PIPE		
<b>CO</b>	CLEANOUT	<b>S</b>	SOUTH
<b>CONC</b>	CONCRETE	<b>SAN</b>	SANITARY
<b>COORD</b>	COORDINATE	<b>SHWE</b>	SEASONAL HIGH WATER ELEVATION
<b>CR</b>	COUNTY ROAD	<b>SL</b>	SLOPE
<b>C/O</b>	CLEANOUT	<b>SP</b>	SUPERPAVE
		<b>SR</b>	STATE ROAD
<b>DBH</b>	DIAMETER AT BREAST HEIGHT	<b>SS</b>	SANITARY SEWER
<b>DE</b>	DRAINAGE EASEMENT	<b>ST</b>	STORM
<b>DEG</b>	DEGREE	<b>STA</b>	STATION
<b>DIA</b>	DIAMETER	<b>STD</b>	STANDARD
<b>DIP</b>	DUCTILE IRON PIPE		
<b>DWG</b>	DRAWING	<b>T</b>	TEMPORARY CONSTRUCTION EASEMENT
		<b>TEMP</b>	TEMPORARY
<b>e</b>	RATE OF ELEVATION	<b>TOB</b>	TOP OF BANK
<b>E</b>	EAST	<b>TV</b>	TELEVISION
<b>EA</b>	EACH	<b>TW</b>	TOP OF WALL
<b>ELEV</b>	ELEVATION	<b>TYP</b>	TYPICAL
<b>ELEV</b>	ELEVATION		
<b>EOP</b>	EDGE OF PAVEMENT	<b>U</b>	UNITED STATES FOUNDRY
<b>EOR</b>	ENGINEER OF RECORD	<b>USCS</b>	UNITED STATES GEOLOGICAL SURVEY
<b>ERCP</b>	ELLIPTICAL REINFORCED CONCRETE PIPE	<b>UTIL</b>	UTILITY
<b>ESMT</b>	EASEMENT		
<b>EVCS</b>	END VERTICAL CURVE STATION	<b>V</b>	VERTICAL
<b>EVCE</b>	END VERTICAL CURVE ELEVATION	<b>VC</b>	VERTICAL CURVE
<b>EX</b>	EXISTING	<b>VCP</b>	VITRIFIED CLAY PIPE
		<b>W</b>	WEST
<b>FAC</b>	FLORIDA ADMINISTRATIVE CODE	<b>W</b>	WATER
<b>FBR</b>	FLORIDA BEARING RATIO	<b>W</b>	WATER
<b>FC</b>	FRICTION COURSE	<b>W/</b>	WITH
<b>FDEP</b>	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION	<b>WM</b>	WATER MAIN
<b>FDOT</b>	FLORIDA DEPARTMENT OF TRANSPORTATION	<b>WW</b>	WASTEWATER
<b>FFE</b>	FINISHED FLOOR ELEVATION	<b>WWF</b>	WELDED WIRE FABRIC
<b>FH</b>	FIRE HYDRANT		
<b>FHWA</b>	FLORIDA HIGHWAY ADMINISTRATION		
<b>FIG</b>	FIGURE		
<b>FM</b>	FORCE MAIN		
<b>FOC</b>	FACE OF CURB		
<b>FS</b>	FLORIDA STATUTES		
<b>FT</b>	FEET		
		<b>G</b>	GALVANIZED
<b>GALV</b>	GALVANIZED	<b>GM</b>	GAS MAIN
<b>GM</b>	GAS MAIN	<b>GV</b>	GATE VALVE
<b>GV</b>	GATE VALVE		
		<b>H</b>	HIGH DENSITY POLYETHYLENE
<b>HDPE</b>	HIGH DENSITY POLYETHYLENE	<b>HP</b>	HIGH POINT
<b>HP</b>	HIGH POINT		
		<b>I</b>	IDENTIFICATION
<b>ID</b>	IDENTIFICATION	<b>INV</b>	INVERT
<b>INV</b>	INVERT	<b>INV EL</b>	INVERT ELEVATION
<b>INV EL</b>	INVERT ELEVATION	<b>IP</b>	IRON PIPE
<b>IP</b>	IRON PIPE		
		<b>K</b>	VERTICAL CURVE RATE OF CHANGE
<b>K</b>	VERTICAL CURVE RATE OF CHANGE		
		<b>L</b>	LENGTH
<b>L</b>	LENGTH	<b>LA</b>	LANDSCAPE ARCHITECT
<b>LA</b>	LANDSCAPE ARCHITECT	<b>LBR</b>	LIMESTONE BEARING RATIO
<b>LBR</b>	LIMESTONE BEARING RATIO	<b>LDR</b>	LAND DEVELOPMENT REGULATION
<b>LDR</b>	LAND DEVELOPMENT REGULATION	<b>LF</b>	LINEAR FEET
<b>LF</b>	LINEAR FEET	<b>LP</b>	LOW POINT
<b>LP</b>	LOW POINT	<b>LT</b>	LEFT
<b>LT</b>	LEFT		
		<b>M</b>	MAXIMUM
<b>MAX</b>	MAXIMUM	<b>ME</b>	MATCH EXISTING
<b>ME</b>	MATCH EXISTING	<b>MH</b>	MANHOLE
<b>MH</b>	MANHOLE	<b>MIN</b>	MINIMUM
<b>MIN</b>	MINIMUM	<b>MISC</b>	MISCELLANEOUS
<b>MISC</b>	MISCELLANEOUS	<b>MUTCD</b>	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
<b>MUTCD</b>	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES		

## SIGNAGE

SIGNS ARE PER FDOT SPECIFICATIONS OR PER MUTCD. SIGN POSTS AND INSTALLATION SHALL BE PER FDOT INDEX NO. 17302. SIGN PLACEMENT SHALL BE PER FDOT INDEX NO. 17302.

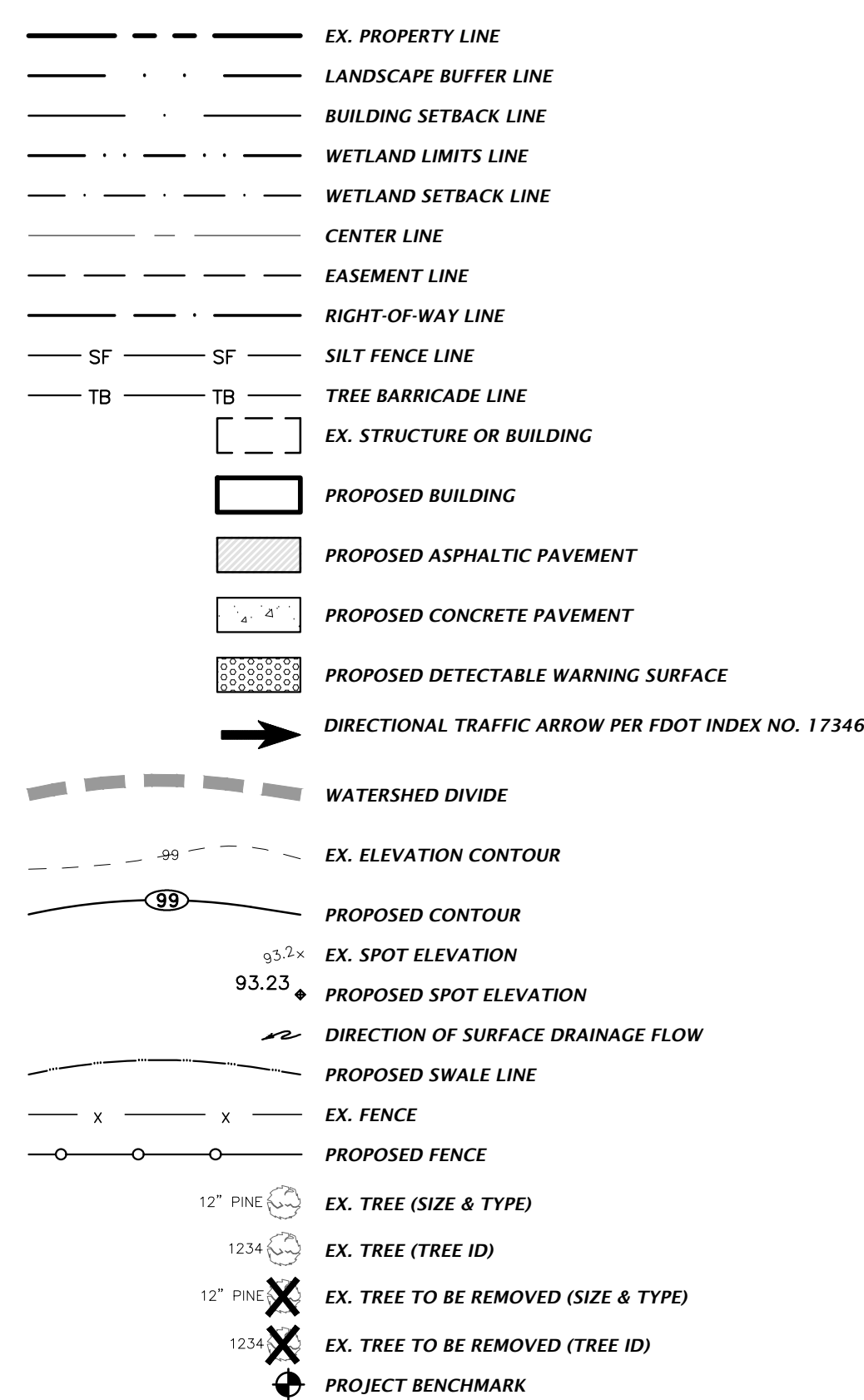


FTF-20-06 (12" X 18") PER FDOT INDEX NO. 17355



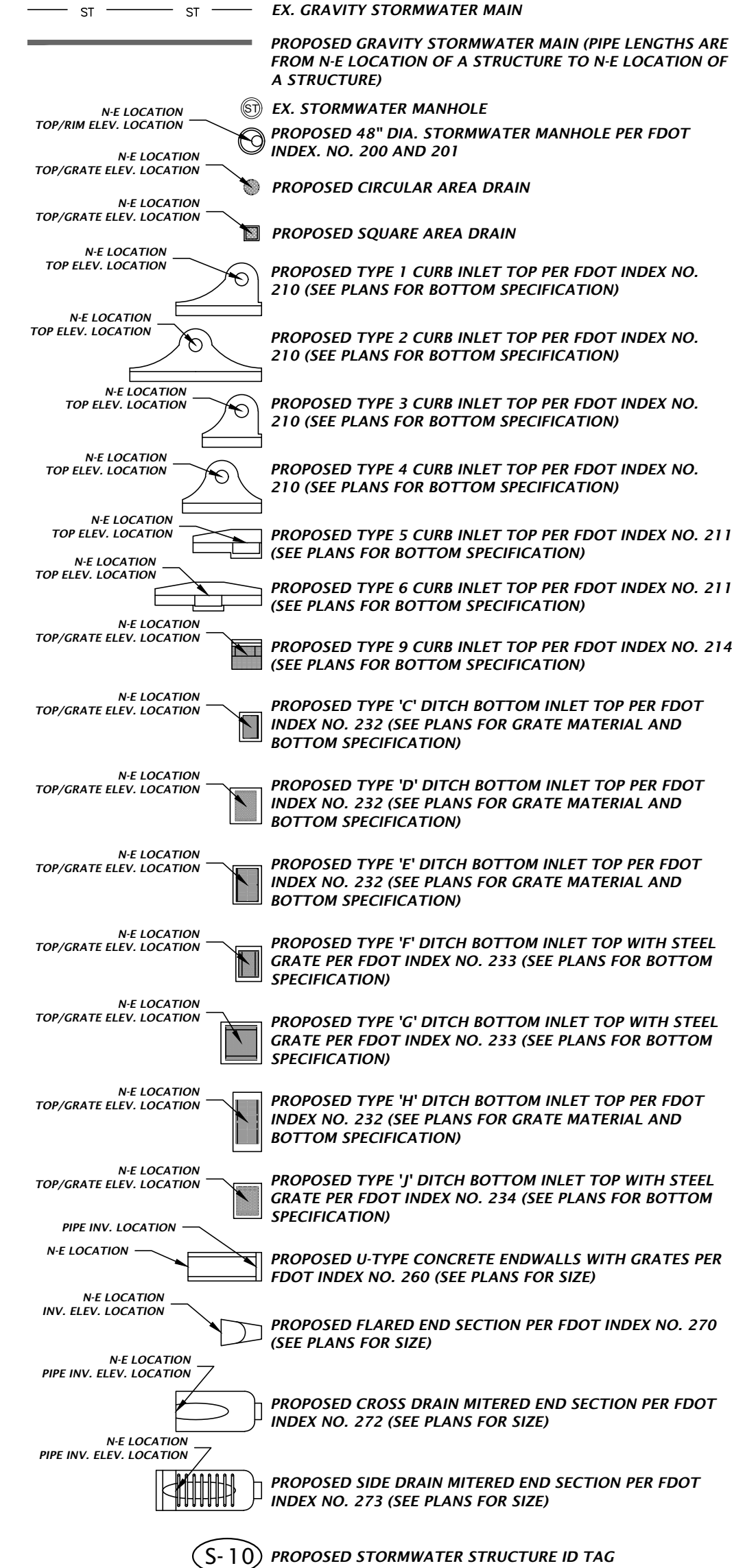
R1-1 "STOP" - SEE PLANS FOR SIZE

## SITE INFORMATION

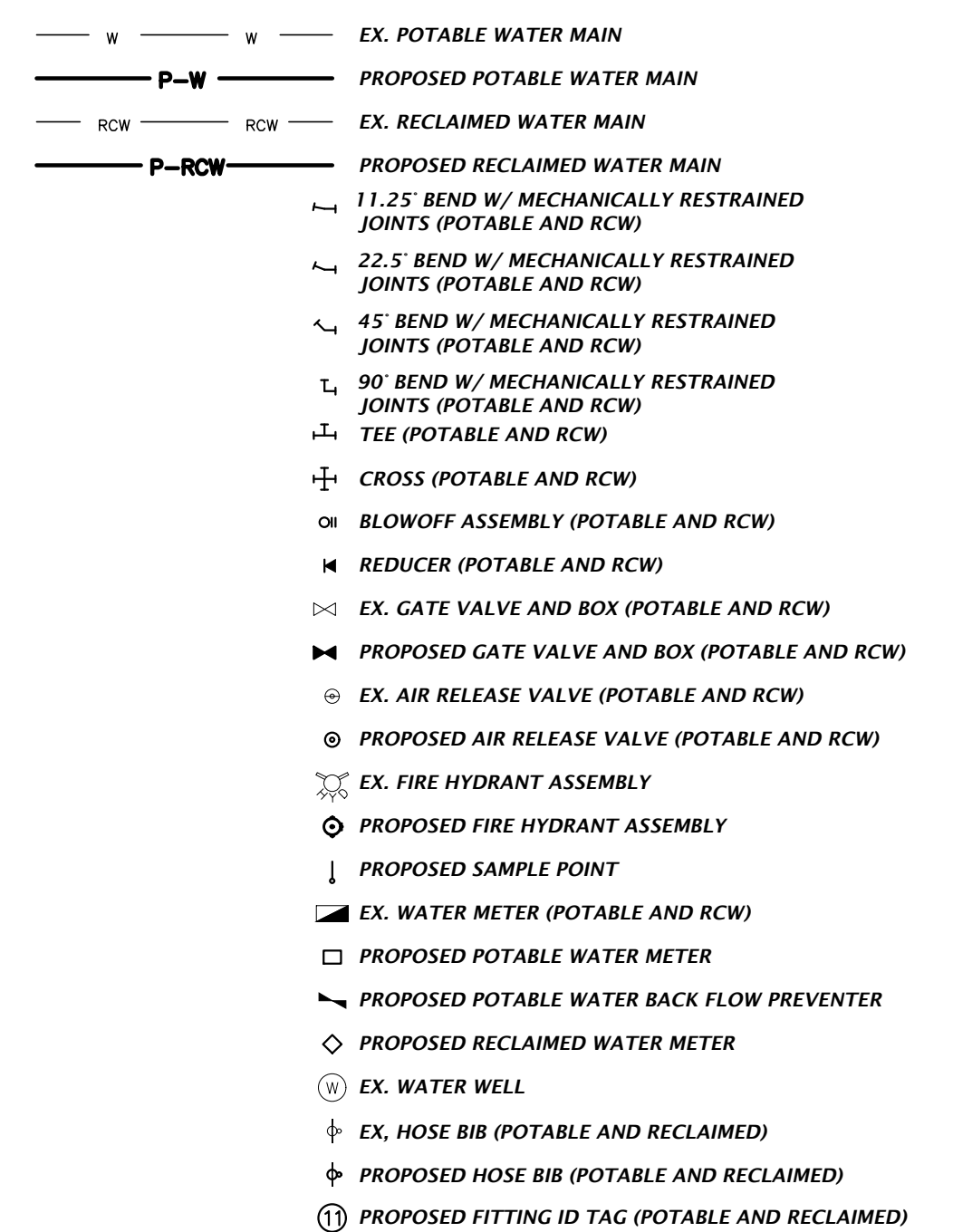


## STORMWATER

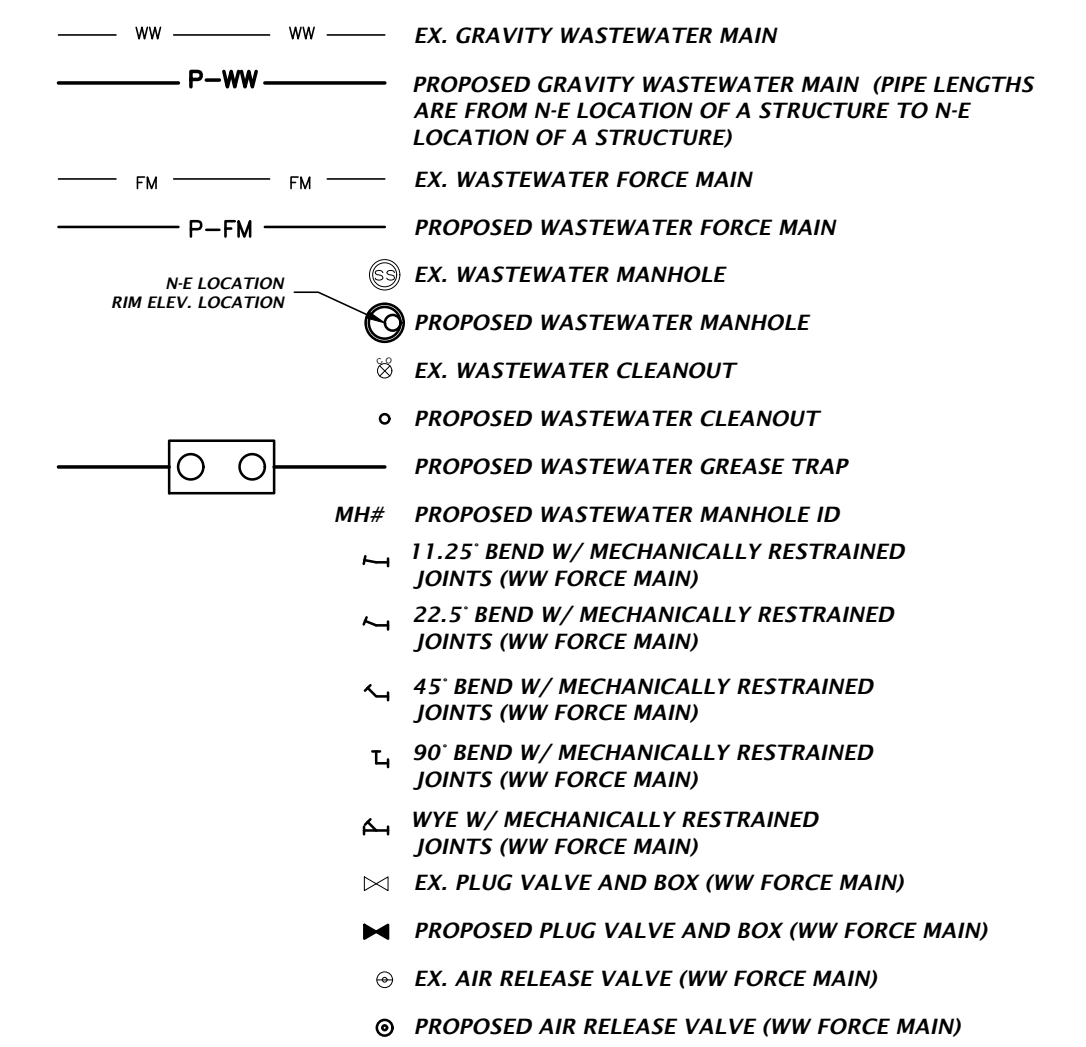
THE PROPOSED STORMWATER STRUCTURES DEPICTED BELOW ARE DRAWN PER FDOT SPECIFICATIONS AND TO SCALE WHEN SHOWN ON THE PLAN SHEETS.



## POTABLE AND RECLAIMED WATER

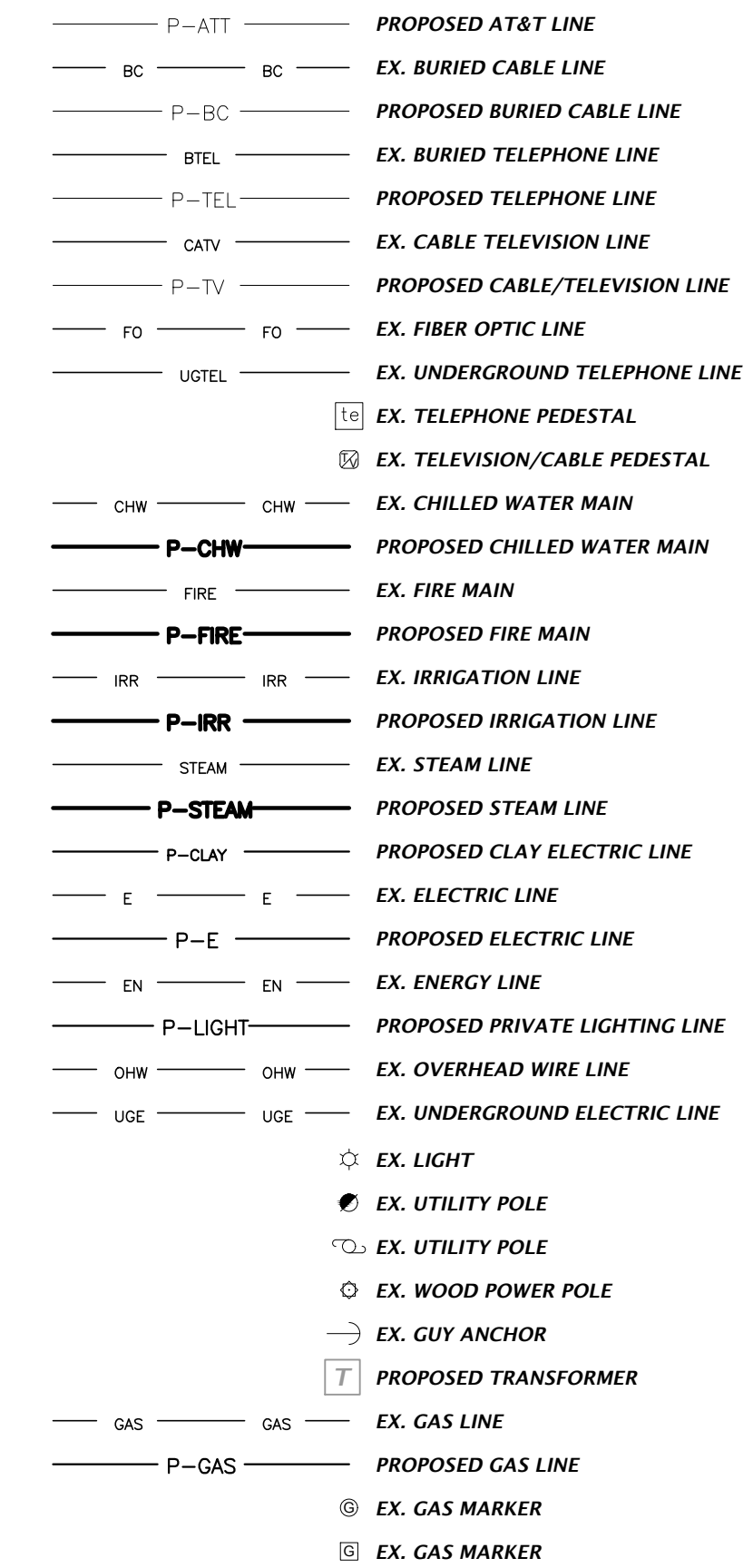


## WASTEWATER



## MISCELLANEOUS UTILITIES

THE PROPOSED UTILITIES BELOW ARE DESIGN BY OTHERS AND ARE DEPICTED FOR COORDINATION PURPOSES ONLY. REFER TO PLANS BY OTHERS FOR EXACT LOCATIONS, DIMENSION, AND DETAILS.



NOTES:  
 1. THIS LEGEND IS ALL INCLUSIVE AND MAY INCLUDE ITEMS NOT A PART OF THIS PLAN SET.  
 2. SYMBOLS SHOWN ON THIS SHEET ARE FOR ILLUSTRATIVE PURPOSES ONLY. UNLESS NOTED OTHERWISE, SYMBOLS IN THESE PLANS MAY NOT BE REPRESENTATIVE OF SIZE.

BASE: Merchants Way, Sta. 102  
 Jacksonville, Florida 32222  
 (904) 619-8521  
 www.chw-inc.com  
 est. 1988 FLORIDA CA-5075

CHW Professional Consultants

SCALE: N/A  
 VERIFY SCALE ON ORIGINAL DRAWING  
 IF ANY SCALE DISCREPANCY THIS SHEET, ADJUST SCALES ACCORDINGLY.

CONSTRUCTION REVISIONS

DATE: 1/17/23 - FIRST SUBMITTAL  
 5/26/23 - SECOND SUBMITTAL

CLIENT: DAVIS & SONS  
 PROJECT: MILLS CREEK PRESERVE PHASE 2  
 SHEET TITLE: LEGEND

DESIGNER: K. HERRITT  
 PROJECT ENGINEER: M. MASON  
 QUALITY CONTROL: D. YOUNG  
 PROJECT NUMBER: 17-0279.01

MITCHELL G. MASON  
 State of Florida, Professional Engineer, License No. 92335

This item has been digitally signed and sealed by Mitchell G. Mason, P.E. on the date indicated here: 10/25/2023

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

FL PE No. 92335  
 SHEET NO. CO.11

File Name: L:\2017\17-0279\engineering\DWG\Production\17CO.11\_LG\_17-0279\_pla2.dwg  
 Plot Date: May 25, 2023 3:59pm

I. INTRODUCTION

THIS DOCUMENT WAS PREPARED IN ORDER TO ILLUSTRATE COMPLIANCE WITH CHAPTER 62-621.300 (4) OF THE FLORIDA ADMINISTRATIVE CODE, WHICH PERTAINS TO THE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES.

II. SITE DESCRIPTION

COUNTY: NASSAU COUNTY, FLORIDA
SECTION, TOWNSHIP, RANGE: SECTION 12, TOWNSHIP 2 NORTH, RANGE 26 EAST
COUNTY PARCEL NO.: 12-26-26-0000-0001-0000
STREET ADDRESS: SW OF THE INTERSECTION OF I-95 AND SR 200 ALONG THE SOUTH AND WEST SIDE OF SEMPER FI DRIVE
PROJECT AREA: ±9.29 ACRES
SITE LOCATION MAP: SEE COVER SHEET OF CONSTRUCTION DRAWINGS

A. NATURE OF CONSTRUCTION ACTIVITY

THE PROPOSED DEVELOPMENT IS THE CONSTRUCTION OF MULTI-FAMILY HOUSING APARTMENT BUILDINGS AND AMENITIES ALONG WITH ASSOCIATED PAVEMENT FOR DRIVEWAYS AND PARKING, SIDEWALKS, UTILITIES, AND STORMWATER MANAGEMENT FACILITIES.

B. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES

- 1. PRIOR TO CONSTRUCTION, SILT FENCING AND TREE PROTECTION FENCING SHALL BE INSTALLED AND ALL EXISTING STORM DRAINAGE SWALE AND INLETS SHALL BE PROTECTED IN ACCORDANCE WITH THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL, DATED JULY 2013, AND THESE PLANS.
2. THE CONSTRUCTION SERVICE ENTRANCE SHALL BE STABILIZED TO MINIMIZE THE CREATION OF DUST AND OFF-SITE TRACKING OF SEDIMENTS.
3. ONLY THE AREA COMPRISING THE PROPOSED STORMWATER MANAGEMENT FACILITY(S) SHALL BE CLEARED AND GRUBBED OR UNWANTED VEGETATION.
4. THE PROPOSED STORMWATER MANAGEMENT FACILITY(S) SHALL BE CONSTRUCTED.
5. IF SUITABLE, THE EXCAVATED SOIL FROM THE FACILITY(S) MAY BE USED AS FILL FOR ON-SITE GRADING THAT IS DEPICTED IN THESE CONSTRUCTION PLANS. THE CONTRACTOR SHALL DISPOSE OF ALL UNSUITABLE MATERIAL ON-SITE OR OFF-SITE TO A PERMITTED LOCATION.
6. THE REMAINING PORTION OF THE SITE THAT IS TREATED BY THE CONSTRUCTED STORMWATER MANAGEMENT FACILITY(S) SHALL BE CLEARED AND GRUBBED.
7. THE PERMANENT ROADWAYS/DRIVEWAYS SHALL BE ROUGHLY GRADED.
8. THE UNDERGROUND UTILITIES INFRASTRUCTURE AND STORMWATER PIPING SYSTEM SHALL BE INSTALLED. ANY DE-WATERING (PUMPED) SHALL BE DIVERTED TO THE ASSOCIATED STORMWATER MANAGEMENT FACILITY(S).
9. THE PERMANENT ROADWAY/DRIVEWAY SUBGRADE SHALL BE COMPACTED, A LIMEROCK BASE SHALL BE ESTABLISHED, AND THEN FOLLOWED BY AN OVERLAY OF ASPHALT.
10. UPON SIGNIFICANT COMPLETION OF CONSTRUCTION, THE STORMWATER PIPING SYSTEM SHALL BE FLUSHED OUT TO REMOVE ACCUMULATED DEBRIS AND SEDIMENT.
11. UPON COMPLETION OF THE DEBRIS AND SEDIMENT REMOVAL FROM THE STORMWATER PIPING SYSTEM, THE PROPOSED STORMWATER MANAGEMENT FACILITY(S) SHALL BE FINE GRADED AND BE EXCAVATED A MINIMUM OF SIX INCHES BELOW THE DESIGN BOTTOM ELEVATION AND REPLACED WITH FILL HAVING A MAXIMUM OF 5% SOIL FINES PASSING THE NO. 200 SIEVE. THE BOTTOM SHALL BE SCARIFIED AND STABILIZED ACCORDING TO THESE PLANS. ONCE COMPLETED, NO HEAVY MACHINERY SHALL BE ALLOWED WITHIN THE STORMWATER MANAGEMENT FACILITY(S).
12. ALL REMAINING DISTURBED AREAS WITHIN THE CONSTRUCTION AREA SHALL BE COMPLETELY GRASSED AND/OR LANDSCAPED ACCORDING TO THESE PLANS. TURF ESTABLISHMENT SHALL BE PER FDOT STANDARD SPECIFICATIONS SECTION 570. EVIDENCE OF GROWTH MUST BE PRESENT PRIOR TO REMOVAL OF SILT FENCING AND OTHER EROSION CONTROL APPLICATIONS.

C. SITE DEVELOPMENT DATA:

TOTAL PROJECT SITE AREA: ±9.29 ACRES
TOTAL SITE AREA TO BE DISTURBED: ±9.29 ACRES
TOTAL IMPERVIOUS AREA (AS SHOWN IN CONSTRUCTION DRAWINGS): ±3.42 ACRES
TOTAL DETENTION VOLUME: ±4.89 ACRE-FEET
TOTAL OPEN AREA: ±3.93 ACRES

D. SOIL CONDITIONS AND STORMWATER QUALITY

THE NRCS DATA FOR THE SITE REVEALS THAT THE SITE SOILS ARE COMPRISED OF GOLDHEAD FINE SAND, ELLABELLE MUCKY SAND, SAPELO-LEON FINE SAND, AND GOLDHEAD-MEADOWBROOK FINE SANDS. UNIVERSAL ENGINEERING SCIENCES, INC. CONDUCTED A GEOTECHNICAL EXPLORATION OF THE PROPOSED STORMWATER MANAGEMENT FACILITY(S) LOCATION IN OCTOBER OF 2017. THE INVESTIGATION REVEALED THAT THE PROJECT SITE'S SURFACE SOILS HAVE THE FOLLOWING CHARACTERISTICS:

DEPTH OF NORMAL GROUNDWATER TABLE: SMF-3: 7.95 FEET
SMF-6: 11.50 FEET

VERTICAL AND HORIZONTAL INFILTRATION RATES WERE NOT CONSIDERED FOR THIS ANALYSIS.

THE STORMWATER MANAGEMENT FACILITIES WERE DESIGNED TO PROVIDE RATE AND VOLUME CONTROL AND WATER QUALITY TREATMENT OF THE STORMWATER RUNOFF RESULTING FROM THE POST-DEVELOPMENT SITE UNDER THE MEAN ANNUAL, 5 YEAR, 10 YEAR AND 25 YEAR STORM EVENTS OF 24 HOUR DURATION. THE STORMWATER POLLUTION PREVENTION PLAN (CO.21 - CO.22) DEPICTS THE POST-DEVELOPMENT WATERSHED(S) LIMITS AND THE TABLE BELOW SUMMARIZES EACH WATERSHED.

Table with 7 columns: WATERSHED ID, POST DEVELOPMENT AREA (ACRES), POST DEVELOPMENT RUNOFF FACTOR (CN), POST DEVELOPMENT IMPERVIOUS AREA (ACRES), STORMWATER MANAGEMENT FACILITY TYPE, FACILITY DETENTION CAPACITY (ACRE-FEET), 25-YEAR FLOOD ELEVATION (FOOT). Rows include SMF-3 and SMF-6.

E. SITE MAP

PLEASE SEE THE STORMWATER POLLUTION PREVENTION PLAN (CO.21 - CO.22) FOR DETAILS.

F. STORMWATER OUTFALL LOCATION AND RECEIVING WATER BODY

THE STORMWATER MANAGEMENT FACILITY 3 OUTFALL IS LOCATED AT THE WESTERN PORTION OF THE PROJECT (30°36'46" N, 81°39'8" W). THE ASSOCIATED RECEIVING WATER BODY IS NASSAU RIVER.

III. CONTROLS TO REDUCE POLLUTION

AS OUTLINED IN THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT (SJRWMD) PERMIT, ALL CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED IN A MANNER AS TO NOT VIOLATE STATE WATER QUALITY STANDARDS. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES REQUIRED TO RETAIN SEDIMENT ON-SITE.

IV. EROSION AND SEDIMENT CONTROLS

A. STABILIZATION PRACTICES

EXISTING TREES AND NATURAL VEGETATION TO REMAIN ON-SITE SHALL BE PROTECTED BY TREE BARRICADE FENCING AS DEPICTED ON THE STORMWATER POLLUTION PREVENTION PLAN (CO.21 - CO.22). TYPE III SILT FENCING SHALL PROTECT ALL DRAINAGE STRUCTURES AND SHALL BUFFER AREAS WITH POTENTIAL TO CONTRIBUTE OFF-SITE RUNOFF AND AS SPECIFICALLY DEPICTED ON THE STORMWATER POLLUTION PREVENTION PLAN (CO.21 - CO.22).

B. STRUCTURE PRACTICES

AS DEPICTED IN THE STORMWATER POLLUTION PREVENTION PLAN (CO.21 - CO.22), A STORMWATER MANAGEMENT SYSTEM WILL BE CONSTRUCTED AND WILL BE COMPRISED OF TWO WET DETENTION FACILITIES AND A STORM PIPE CONVEYANCE SYSTEM. TO PREVENT EROSION DURING CONSTRUCTION, TYPE III SILT FENCING WILL BE INSTALLED IN THE LOCATIONS SHOWN ON THE PLANS.

C. DRAINAGE LOCATIONS THAT SERVE AREAS WITH LESS THAN 10 DISTURBED ACRES

NOT APPLICABLE, SEE SECTION D, BELOW.

D. DRAINAGE LOCATIONS THAT SERVE AREAS WITH MORE THAN 10 DISTURBED ACRES

AS SPECIFIED IN THE "SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES," THE SMF(S) WILL BE CONSTRUCTED PRIOR TO CLEARING AND GRUBBING OUTSIDE OF THE SMF(S) AREAS AND CONSTRUCTION OF THE PERMANENT PAVED AREAS. THE TOTAL CONTRIBUTING DRAINAGE AREA TO THE STORMWATER MANAGEMENT SYSTEM IS APPROXIMATELY 9.29 ACRES AND WILL CONSIST OF APPROXIMATELY 9.29 ACRES OF DISTURBED CONSTRUCTION AREA.

V. STORMWATER MANAGEMENT

A. BEST MANAGEMENT PRACTICES

AFTER CONSTRUCTION, THE STORMWATER MANAGEMENT SYSTEM SHALL BE MAINTAINED IN ACCORDANCE WITH THE SPECIFIED STORMWATER MAINTENANCE NOTES IN THE INCLUDED CONSTRUCTION DRAWINGS AND/OR RESPECTIVE MAINTENANCE REPORTS. SPECIFICALLY, THE PROPOSED SMF(S) SHALL BE MOWED REGULARLY IN THE SPECIFIED AREAS.

B. VEGETATED SWALES

WHEN VEGETATED SWALES ARE UTILIZED, SILT FENCING OR EQUIVALENT SEDIMENT CONTROLS SHALL BE INSTALLED AT ADEQUATE INTERVALS TO COLLECT SEDIMENT ALONG THE SWALE. THE SEDIMENT SHALL BE REMOVED WHEN SEDIMENT REACHES ONE-THIRD OF THE HEIGHT OF THE SILT FENCING.

C. VELOCITY DISSIPATION DEVICES AT DISCHARGE POINTS

WHEN DISCHARGE POINTS ARE NOT LOCATED UNDER WATER, RIP RAP PADS HAVE BEEN PROVIDED AT LOCATIONS WHERE NECESSARY DUE TO ANTICIPATED DISCHARGE VELOCITIES. PLEASE SEE THE CONSTRUCTION PLANS FOR DETAILS AND LOCATIONS, AS NEEDED.

VI. CONTROLS FOR OTHER POTENTIAL POLLUTANTS

A. WASTE DISPOSAL

THE CONTRACTOR SHALL PROVIDE LITTER COLLECTION CONTAINERS WITHIN THE PROJECT BOUNDARIES DURING CONSTRUCTION. CONTRACTOR SHALL DISPOSE OF ALL UNSUITABLE MATERIALS AND CONSTRUCTION DEBRIS IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REQUIREMENTS.

B. DUST CONTROL

TO PREVENT OFF-SITE VEHICULAR TRACKING OF SEDIMENTS AND DUST GENERATION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE ESTABLISHED BY THE SITE CONTRACTOR. PLEASE SEE THE STORMWATER POLLUTION PREVENTION PLAN (CO.21 - CO.22) FOR DETAILS AND LOCATION(S).

C. EXISTING VERSUS PROPOSED POTABLE AND SANITARY SEWER SYSTEMS

IF TEMPORARY SANITARY SYSTEMS ARE UTILIZED DURING CONSTRUCTION, THE CONTRACTOR SHALL PROPERLY CONTROL AND DISCHARGE ANY SANITARY WASTE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.

D. FERTILIZER & PESTICIDES

THE USE OF FERTILIZERS, HERBICIDES, AND PESTICIDES ON THE PROJECT SITE, WILL BE DIRECTED BY THE LANDSCAPE PLAN AND THE FDOT STANDARD SPECIFICATIONS SECTION 570, TO SUPPORT THE GROWTH OF THE PROPOSED VEGETATION. ESTABLISHING THIS VEGETATION WILL AID IN THE STABILIZATION OF THE PROJECT SITE AND REDUCE EROSION.

E. TOXIC MATERIAL

THE CONSTRUCTION SITE WILL BE IN FULL COMPLIANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS. A PLASTIC MAT, TAR PAPER, OR OTHER IMPERVIOUS MATERIAL SHALL BE PLACED UNDER AREAS WHERE TOXIC LIQUIDS ARE TO BE OPENED AND STORED.

F. HAZARDOUS MATERIALS

ALL HAZARDOUS MATERIALS SHALL BE STORED IN A SECURE LOCATION, UNDER COVER, AND IN APPROPRIATE TIGHTLY SEALED CONTAINERS WHEN NOT IN USE. ALL PRODUCTS SHALL BE STORED IN AND USED FROM THE ORIGINAL CONTAINER WITH THE ORIGINAL PRODUCT LABEL.

SUFFICIENT EQUIPMENT AND/OR MATERIALS SHALL BE KEPT ON-SITE TO CONTAIN AND CLEAN UP SPILLS OF HAZARDOUS MATERIALS IN THE AREAS WHERE THESE MATERIALS ARE STORED OR USED. SPILL CONTROL AND CONTAINMENT KIT SUPPLIES SHALL BE OF SUFFICIENT QUANTITIES AND APPROPRIATE CONTENT TO CONTAIN A SPILL FROM THE LARGEST ANTICIPATED PIECE OF EQUIPMENT AND FROM THE LARGEST ANTICIPATED QUANTITIES OF PRODUCTS STORED ON THE SITE AT ANY GIVEN TIME.

CONTRACTOR TO CONTAIN AND CLEAN UP ANY SPILLS IMMEDIATELY AFTER THEY OCCUR. ANY SPILLS OF PETROLEUM PRODUCTS OR HAZARDOUS MATERIALS IN EXCESS OF REPORTABLE QUANTITIES AS DEFINED BY EPA, STATE, OR LOCAL AGENCY REGULATIONS SHALL BE REPORTED TO THE APPROPRIATE AGENCIES IN THE REQUIRED TIME FRAMES.

ALL EXCESS, USED, OR SPILLED PRODUCTS, INCLUDING CONTAMINATED SOIL, SHALL BE DISPOSED OF BY THE CONTRACTOR IN STRICT COMPLIANCE WITH INSTRUCTIONS ON THE PRODUCT LABEL AND ALL APPLICABLE REGULATIONS.

VII. APPROVED STATE AND LOCAL PLANS

THE CONSTRUCTION DRAWINGS FOR THE PROJECT WERE APPROVED AND PERMITTED BY THE FOLLOWING AGENCIES:

- \* NASSAU COUNTY
\* JACKSONVILLE ELECTRIC AUTHORITY (JEA)
\* ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
\* FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

VIII. CONSTRUCTION ACTIVITY DISCHARGES

IN ACCORDANCE WITH THIS PLAN, THERE ARE NO ANTICIPATED DISCHARGES OF STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITIES.

IX. CHANGES TO THE POLLUTION PREVENTION PLAN

THIS STORMWATER POLLUTION PREVENTION PLAN SHALL BE AMENDED TO REFLECT ANY APPLICABLE CHANGE IN A STATE, REGIONAL, OR LOCAL PERMIT FOR WHICH THE PERMITTEE RECEIVES WRITTEN NOTICE. WHEN WRITTEN NOTICE IS RECEIVED, THE PERMITTEE SHALL PROVIDE A RE-CERTIFICATION OF THIS POLLUTION PREVENTION PLAN, WHICH HAS BEEN REVISED TO ADDRESS SUCH CHANGES.

X. ALTERNATIVE PERMIT REQUIREMENTS

NO ALTERNATIVE PERMIT REQUIREMENTS ARE REQUESTED.

XI. MAINTENANCE

THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE, INSPECTION SCHEDULE, AND REPAIRS OUTLINED IN THIS PLAN. MAINTENANCE SHALL CONTINUE THROUGHOUT THE PROJECT UNTIL WORK IS COMPLETE. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES AFTER CONSTRUCTION IS COMPLETE.

XII. INSPECTIONS

THE CONTRACTOR SHALL INSPECT ALL POINTS OF POTENTIAL DISCHARGE FROM THE PROJECT SITE FOR ALL DISTURBED AREAS ON THE CONSTRUCTION SITE AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.50 INCHES OR GREATER.

A. DISTURBED AREAS

ALL DISTURBED AREAS AND AREAS USED FOR MATERIAL STORAGE SHALL BE INSPECTED FOR POLLUTANTS ENTERING THE STORMWATER SYSTEM. THE STORMWATER MANAGEMENT SYSTEM AND EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE INSPECTED TO ENSURE THEY ARE OPERATING CORRECTLY.

B. MAINTENANCE PERFORMANCE

BASED ON THE RESULTS OF THE INSPECTION, ALL MAINTENANCE OPERATIONS NEEDED TO ASSURE PROPER COMPLIANCE WITH THIS PLAN SHALL BE DONE IN A TIMELY MANNER, BUT IN NO CASE LATER THAN 7 DAYS FOLLOWING THE INSPECTION.

C. REPORTING REQUIREMENTS

ALL INSPECTIONS SHALL BE RECORDED ON THE CONSTRUCTION INSPECTION FORM. A COPY OF WHICH IS PROVIDED ON THIS SHEET. THIS FORM IS CREATED TO SUMMARIZE THE SCOPE OF THE INSPECTION, THE NAME(S) AND QUALIFICATION OF THE INSPECTOR(S), THE DATE OF INSPECTION, RAINFALL DATA, OBSERVATIONS, THE ACTIONS TAKEN TO CORRECT INCIDENTS OF NON-COMPLIANCE WITH THE PROVISIONS OF THIS PLAN.

XIII. NON-STORMWATER DISCHARGES

IN ADDITION TO STORMWATER RUNOFF, THIS PLAN APPLIES TO RUNOFF FROM IRRIGATION OPERATIONS AND CONSTRUCTION PRACTICES. THIS PLAN DOES NOT PERTAIN TO DISCHARGES FROM FIRE FIGHTING ACTIVITIES.

XIV. CONTRACTORS CERTIFICATION

THE CONTRACTORS OR SUB-CONTRACTORS SHALL PHOTOGRAPHY AND COMPLETE THE FORM ON THIS PAGE. IT SHALL BE PROVIDED TO THE OWNER AND KEPT ON FILE PURSUANT TO SECTION XV REGARDING PROJECT RECORDS.

XV. RETENTION OF RECORDS

THE PERMITTEE SHALL RETAIN COPIES OF THE STORMWATER POLLUTION PREVENTION PLANS AND ALL REPORTS REQUIRED BY THIS PERMIT, AND RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT, FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE SITE IS FINALLY STABILIZED.

THE PERMITTEE SHALL RETAIN A COPY OF THE STORMWATER POLLUTION PREVENTION PLAN AND ALL REPORTS, RECORDS, AND DOCUMENTATION REQUIRED BY THIS PERMIT AT THE CONSTRUCTION SITE, OR AN APPROPRIATE ALTERNATIVE LOCATION AS SPECIFIED IN THE NOTICE OF INTENT, FROM THE DATE OF PROJECT INITIATION TO THE DATE OF FINAL STABILIZATION.

XVI. NOTICE OF TERMINATION

NOTICE OF TERMINATION:

- 1. WHERE A SITE HAS BEEN FINALLY STABILIZED AND ALL STORMWATER DISCHARGES AUTHORIZED BY THIS PERMIT ARE ELIMINATED, THE PERMITTEE SHALL SUBMIT A NOTICE OF TERMINATION (DEF FORM 62-621.300(6)), SIGNED IN ACCORDANCE WITH PART VII.C OF DEF DOCUMENT NO. 62-621.300(4)(a), WITHIN 14 DAYS OF FINAL STABILIZATION OF THE SITE TO TERMINATE COVERAGE UNDER THIS PERMIT.
2. ELIMINATION OF STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY MEANS THAT ALL DISTURBED SOILS AT THE SITE HAVE BEEN FINALLY STABILIZED AND TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN REMOVED OR WILL BE REMOVED AT AN APPROPRIATE TIME, OR THAT ALL STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY FROM THE SITE THAT ARE AUTHORIZED BY THIS GENERIC PERMIT HAVE OTHERWISE BEEN ELIMINATED.
3. FOR CONSTRUCTION ACTIVITIES WHERE THE OPERATOR CHANGES, THE EXISTING OPERATOR SHALL FILE AN N.O.T. IN ACCORDANCE WITH THIS PART WITHIN 14 DAYS OF RELINQUISHING CONTROL OF THE PROJECT TO A NEW OPERATOR.

THE PERMITTEE SHALL SUBMIT A NOTICE OF TERMINATION TO THE FOLLOWING ADDRESS:

NPDES STORMWATER NOTICES CENTER, MS# 2510
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32399-2400

PROJECTS THAT DISCHARGED STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY TO A MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) SHALL SUBMIT A COPY OF THE N.O.T. TO THE OPERATOR OF THE MS4.

Responsible Authority Certification
Stormwater Pollution Prevention Plan
Site: Mills Creek Preserve
Nassau County, Florida
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted.

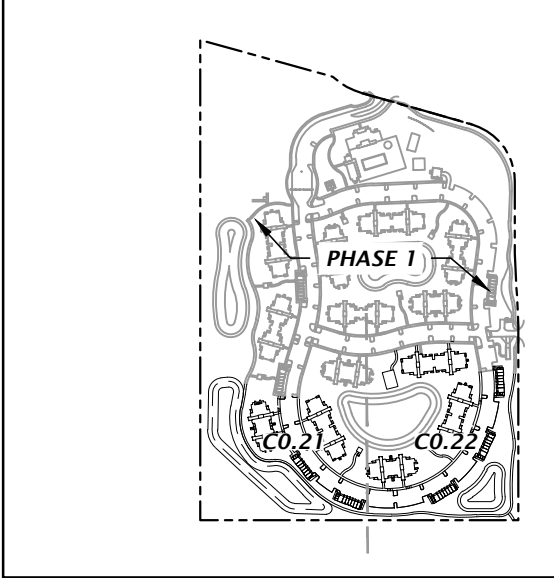
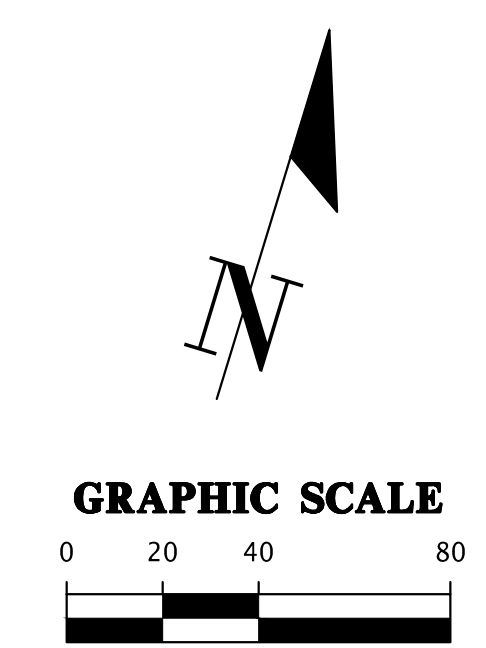
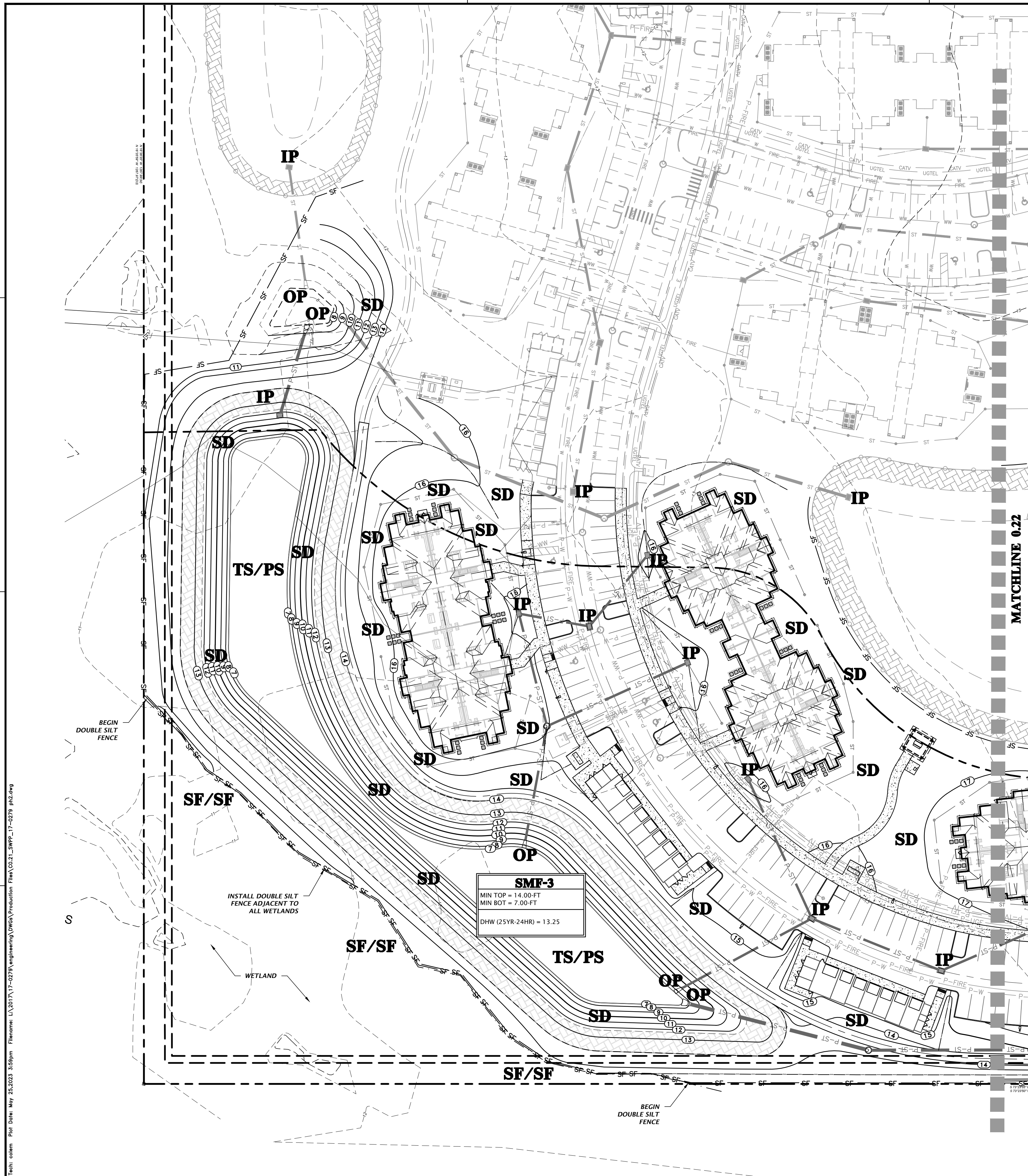
Contractor/Subcontractor Certification Statement
Stormwater Pollution Prevention Plan
The contractor(s) or sub-contractor(s) responsible for complying with this stormwater pollution prevention plan shall sign the certification statement below.
Site: Mills Creek Preserve
Nassau County, Florida
Contracting Firm:
NAME
ADDRESS
TELEPHONE NUMBER
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.

Stormwater Pollution Prevention Plan
Inspection Report
Inspector: Date: Time:
Date of last rainfall: Amount of last rainfall:
Stabilization Measures
Structural Controls
Other Control
Inspector Signature: Date: Time:

File Name: L:\2017\17-0279-engineering\DWG\_Production\Plan\CO.20\_SWM\_P17-0279.plt.dwg
Plot Date: May 23, 2023 3:58pm

Professional seal area containing CH2M Hill logo, professional engineer information for Mitchell G. Mason, P.E., and project details including permit number 17-0279-01 and sheet number CO.20.



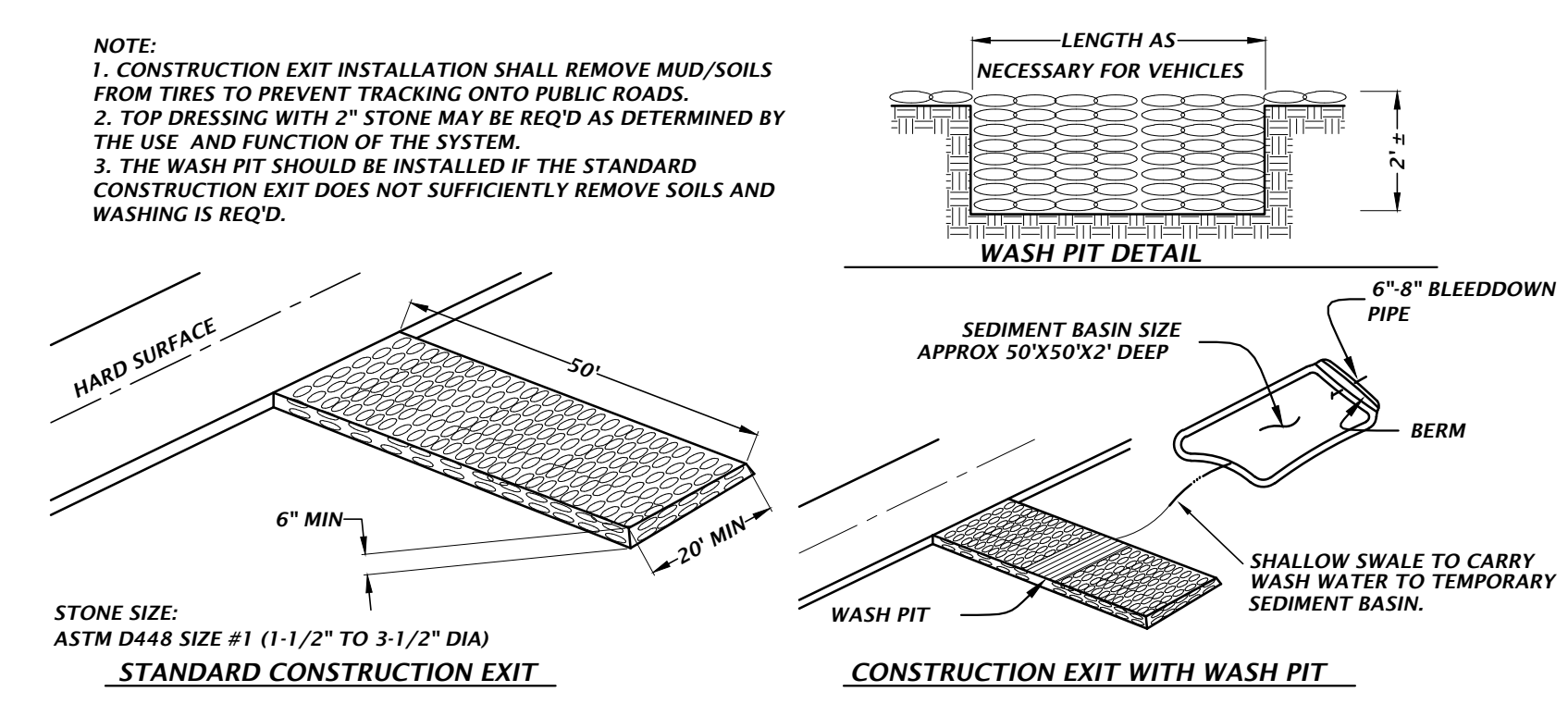


**STORMWATER POLLUTION PREVENTION LEGEND**

- TS** = TEMPORARY SEEDING
- PS** = PERMANENT SEEDING
- ML** = MULCHING
- SD** = SOD STABILIZATION
- SF** = SILT BARRIER
- TB** = TREE BARRIER
- IP** = INLET PROTECTION
- OP** = OUTLET PROTECTION
- CO** = CONSTRUCTION ENTRANCE/EXIT

**BASIN EROSION & SEDIMENTATION CONTROL**

1. SILT FENCING AND/OR STAKED HAYBALES SHALL BE CONSTRUCTED WHERE SHOWN ON THE DRAWINGS PRIOR TO STARTING CONSTRUCTION.
2. ALL STORMDRAIN INLETS SHALL BE PROTECTED DURING CONSTRUCTION IN ACCORDANCE WITH FDOT STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL.
3. THE DRAINAGE BASINS SHALL BE ROUGH GRADED PRIOR TO CONSTRUCTING THE LIMEROCK BASE. THE RETENTION BASINS SHALL BE FINE GRADED AND GRASSED PRIOR TO PAVING AND SITE CLEANUP.
4. THE STORMDRAIN SYSTEM SHALL BE FLUSHED OUT TO REMOVE ALL ACCUMULATED DEBRIS AND SEDIMENT UPON COMPLETION OF CONSTRUCTION.
5. THE DRAINAGE BASIN BOTTOM SHALL BE SCRAPED CLEAN OF ALL ACCUMULATED SEDIMENT UPON COMPLETION OF CONSTRUCTION AFTER THE STORMDRAIN SYSTEM IS COMPLETELY FLUSHED OUT. THIS ACTIVITY SHALL ONLY OCCUR IN A DRY STATE.
6. ALL DISTURBED AREAS IN THE CONSTRUCTION AREA SHALL BE COMPLETELY STABILIZED BY COMPLETION OF CONSTRUCTION. GRASS SEEDING RATES AND MIXTURES SHALL BE PER FDOT INDEX NO. 104. EVIDENCE OF GROWTH MUST BE PRESENT PRIOR TO FINAL RELEASE.
7. REFER TO THE SWPPP PLAN FOR COMPLETE EROSION CONTROL MEASURES.
8. WHERE POND TOP OF BANK IS IN CUT TO EXISTING GRADE, CONTRACTOR SHALL SOD 5-FT BEYOND TOP OF BANK FOR EROSION PROTECTION.



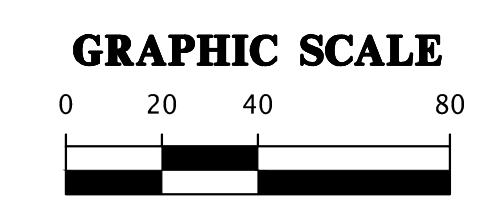
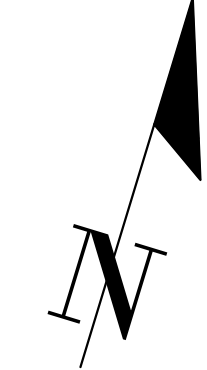
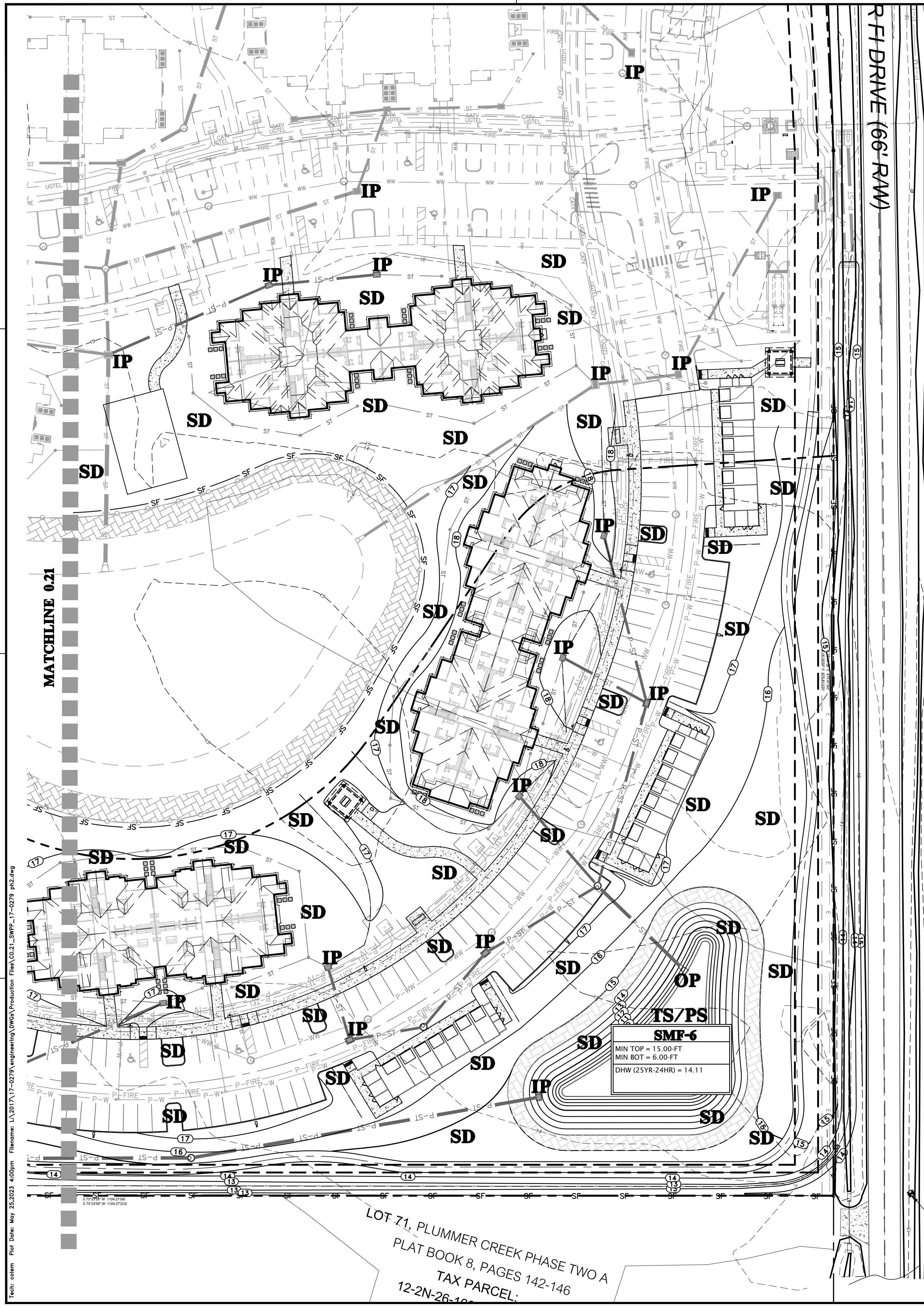
**TEMPORARY CONSTRUCTION EXIT DETAIL**

NOTE:  
 1. CONSTRUCTION EXIT INSTALLATION SHALL REMOVE MUD/SOILS FROM TIRES TO PREVENT TRACKING ONTO PUBLIC ROADS.  
 2. TOP DRESSING WITH 2" STONE MAY BE REQ'D AS DETERMINED BY THE USE AND FUNCTION OF THE SYSTEM.  
 3. THE WASH PIT SHOULD BE INSTALLED IF THE STANDARD CONSTRUCTION EXIT DOES NOT SUFFICIENTLY REMOVE SOILS AND WASHING IS REQ'D.

Text: cslm; Plot Date: May 25, 2023 3:59pm; Filename: L:\2017\17-0279\engineering\Draws\Production\Title\CO.21\_SWPPP\_17-0279\_ph2.dwg

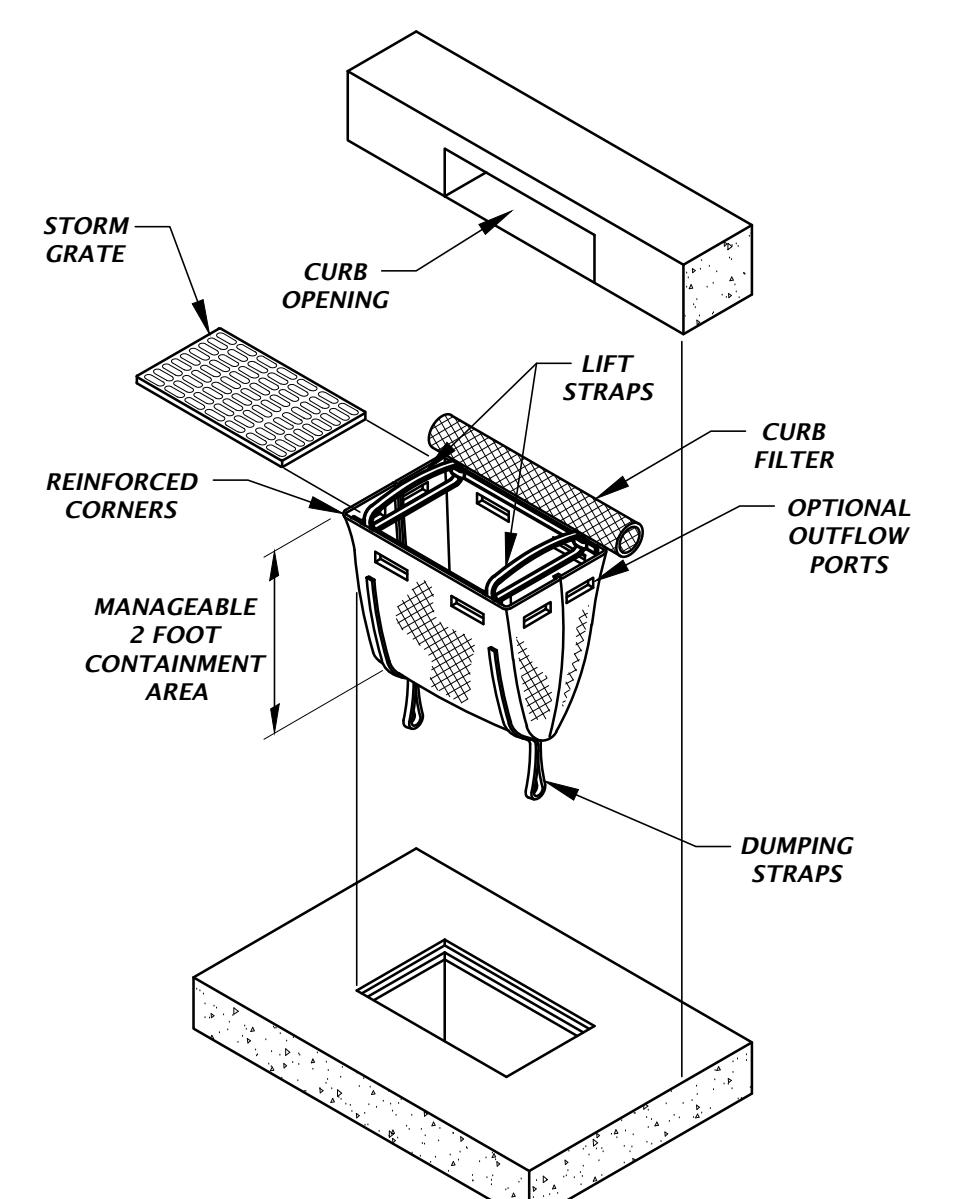
	8455 Merchants Way, Ste. 102 Jacksonville, Florida 32222 www.ch2m-inc.com est. 1988 FLORIDA CA-3075
SCALE 1"=40' VERIFY SCALE ON ORIGINAL DRAWING THIS SHEET, ADJUST SCALES ACCORDINGLY.	CONSTRUCTION AND PROVISIONS 1/17/23 - FIRST SUBMITTAL 5/26/23 - SECOND SUBMITTAL
CLIENT DAVIS & SOUS MILLS CREEK PRESERVE PHASE 2 STORMWATER POLLUTION PROTECTION PLAN	PROJECT M. MASON QUALITY CONTROL D. YOUNG PROJECT NUMBER 17-0279.01
DESIGNER K. MERRITT PROJECT ENGINEER M. MASON STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 92335 MITCHELL G. MASON	SHEET TITLE STORMWATER POLLUTION PROTECTION PLAN SHEET NUMBER 17-0279.01 This item has been digitally signed and sealed by Mitchell G. Mason, P.E. on the date indicated here: 10/25/2023 Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.
FL PE No. 92335 SHEET NO.	<b>C0.21</b>





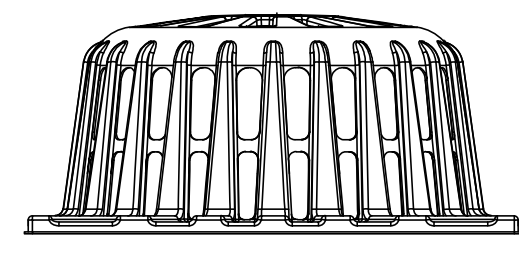
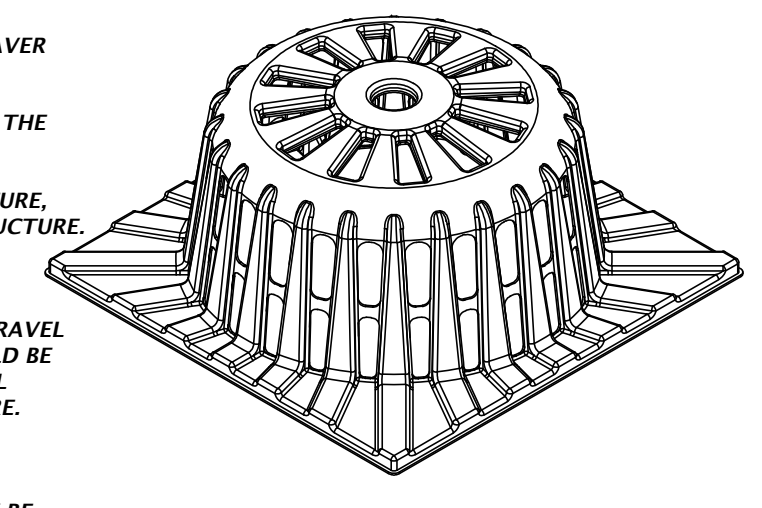
**STORMWATER POLLUTION PREVENTION LEGEND**

- TS** = TEMPORARY SEEDING
- PS** = PERMANENT SEEDING
- ML** = MULCHING
- SD** = SOD STABILIZATION
- SF** = SILT BARRIER
- TB** = TREE BARRIER
- IP** = INLET PROTECTION
- OP** = OUTLET PROTECTION
- CO** = CONSTRUCTION ENTRANCE/EXIT



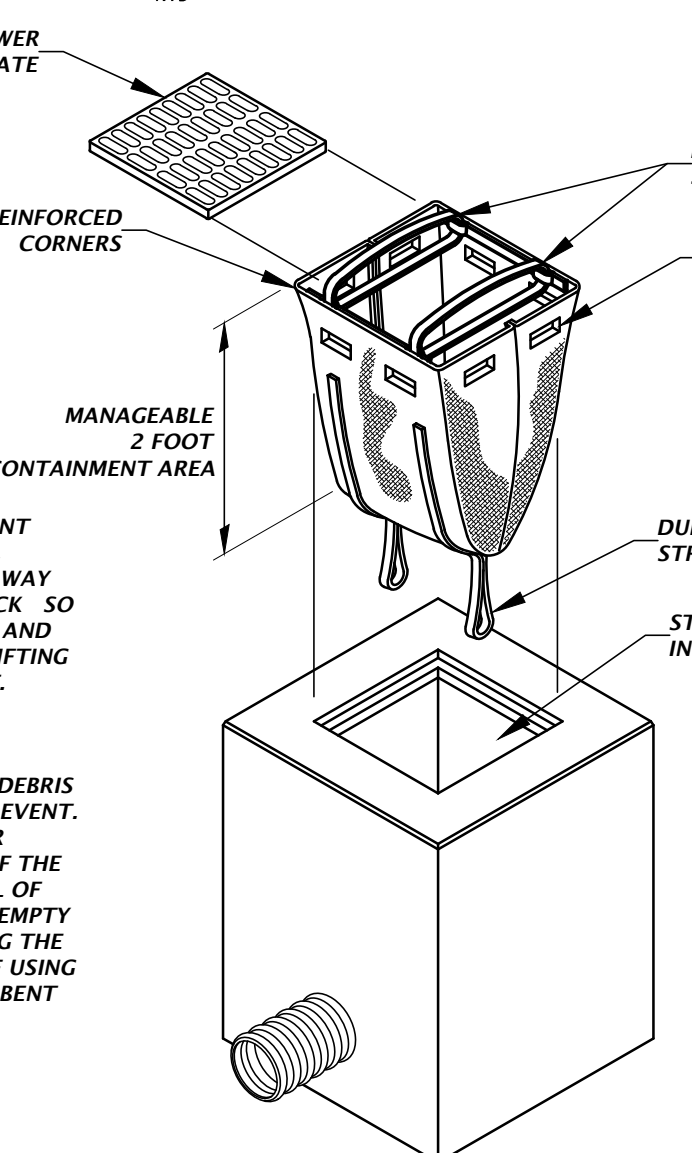
**DANDY CURB SACK™ DETAIL**

- TYPICAL INSTALLATION SEQUENCE FOR SILT-SAVER FRAME AND FILTER
- EXCAVATE APPROXIMATELY 4" TO 6" BELOW THE TOP OF THE INLET STRUCTURE, ENSURING PROPER SEATING OF FRAME TO STRUCTURE.
  - PLACE THE FRAME ONTO THE INLET STRUCTURE, ENSURING PROPER SEATING OF FRAME TO STRUCTURE.
  - SLIDE THE FILTER OVER THE FRAME.
  - FILL THE FILTER POCKETS WITH SOIL, #57 GRAVEL OR EQUIVALENT. THE FILTER POCKETS SHOULD BE COMPLETELY FILLED TO ENSURE A GOOD SEAL BETWEEN THE GROUND AND INLET STRUCTURE.
  - BACK FILL AROUND THE FRAME AND FILTER ASSEMBLY IS NOT REQUIRED TO COMPLETE INSTALLATION; HOWEVER, BACK FILLING MAY BE NECESSARY TO COMPLETE EXCAVATION REQUIREMENTS FOR THE SITE.



**SILT-SAVER® DETAIL**

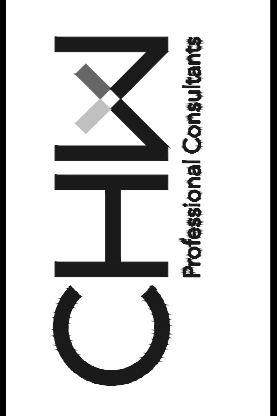
- INSTALLATION:
- REMOVE THE GRATE FROM INLET. IF USING OPTIONAL OIL ABSORBENTS; PLACE ABSORBENT FILL IN UNIT. STAND THE GRATE ON END. MOVE THE TOP LIFTING STRAPS OUT OF THE WAY AND PLACE THE GRATE INTO THE DANDY SACK SO THAT THE GRATE IS BELOW THE TOP STRAPS AND ABOVE THE LOWER STRAPS. HOLDING THE LIFTING DEVICES, INSERT THE GRATE INTO THE INLET.
- MAINTENANCE:
- REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM VICINITY OF UNIT AFTER EACH STORM EVENT. AFTER EACH STORM EVENT AND AT REGULAR INTERVALS, LOOK INTO THE DANDY SACK. IF THE CONTAINMENT AREA IS MORE THAN 1/3 FULL OF SEDIMENT, THE UNIT MUST BE EMPTIED. TO EMPTY UNIT, LIFT THE UNIT OUT OF THE INLET USING THE LIFTING STRAPS AND REMOVE THE GRATE. IF USING OPTIONAL OIL ABSORBENTS; REPLACE ABSORBENT WHEN NEAR SATURATION.



**DANDY SACK™ DETAIL**

**INLET PROTECTION OPTIONS DETAIL**

8456 Merchants Way, Ste. 102  
Jacksonville, Florida 32222  
www.chw-inc.com  
est. 1988 FLORIDA  
CA-3075



SCALE: 1"=40'  
VERIFY SCALE ON ORIGINAL DRAWING  
IF ANY SCALE DISCREPANCY EXISTS, THIS SHEET, ADJUST SCALES ACCORDINGLY.

CONSTRUCTION AND PROVISIONS

DATE: 5/17/23 - FIRST SUBMITTAL  
5/26/23 - SECOND SUBMITTAL

CLIENT: DAVIS & SONS  
PROJECT: MILLS CREEK PRESERVE PHASE 2  
SHEET TITLE: STORMWATER POLLUTION PROTECTION PLAN

DESIGNER: K. MERRITT  
PROJECT ENGINEER: M. MASON  
QUALITY CONTROL: D. YOUNG  
PROJECT NUMBER: 17-0279.01

MITCHELL G. MASON  
Michael G. Mason, P.E.  
State of Florida, Professional Engineer, License No. 92335  
This item has been digitally signed and sealed by Mitchell G. Mason, P.E. on the date indicated here: 10/20/2023  
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

FL PE No. 92335  
SHEET NO. C0.22



ALL EXISTING TREES IN THIS AREA TO REMAIN

ALL EXISTING TREES ON SITE TO BE REMOVED UNLESS OTHERWISE NOTED

PHASE 1

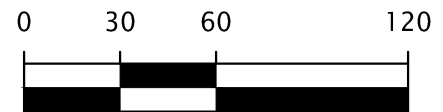
01-2N-26-0000-0004-0030  
DIVERSIFIED FAMILY, LLC  
11.71 AC

01-2N-26-0000-0004-0030  
DIVERSIFIED FAMILY, LLC  
11.71 AC


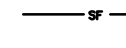
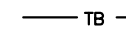
01-2N-26-0000-0003-0000  
CHRISTINA CLARK  
9.31 AC

REMOVE YELLOW EDGE LINE FROM TURN LANE. REPLACE WITH 6" WHITE STRIPE PER FDOT INDEX 711-001 FOR ENTIRE LENGTH OF TURN LANE

GRAPHIC SCALE



DEMOLITION LEGEND

-  = EX. TREE TO BE REMOVED
-  = SILT FENCE REFER TO C2.60 FOR DETAILS
-  = TREE BARRICADE REFER TO C2.60 FOR DETAILS

8485 Merchants Way, Ste. 102  
Jacksonville, Florida 32222  
www.chw-inc.com  
est. 1988 FLORIDA  
CA-3075

**CHW**  
Professional Consultants

VERIFY SCALE ON ORIGINAL DRAWING  
IF SHOWN IN THIS SHEET, ADJUST SCALES ACCORDINGLY.

SCALE

1"=60'

CONSTRUCTION AND RECORDS

DATE: 5/26/23  
SUBMITTAL: SECOND SUBMITTAL

CLIENT: DAVIS & SONS

PROJECT: MILLS CREEK PRESERVE PHASE 2

SHEET TITLE: DEMOLITION PLAN

SHEET NUMBER: 17-0279.01

DESIGNER: MITCHELL G. MASON

PROJECT ENGINEER: M. MASON

QUALITY CONTROL: D. YOUNG

PROJECT NUMBER: 17-0279.01

DATE: 5/26/23

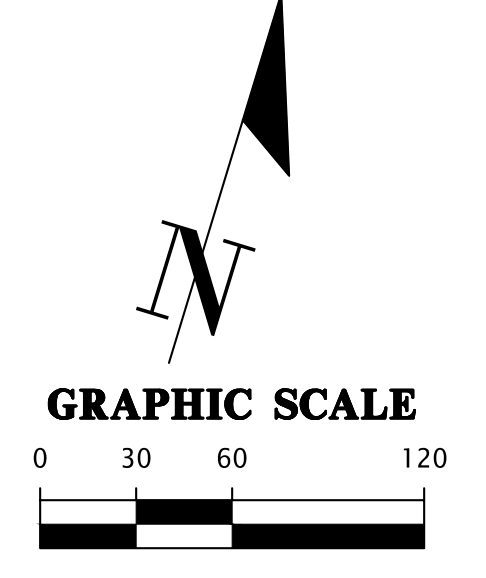
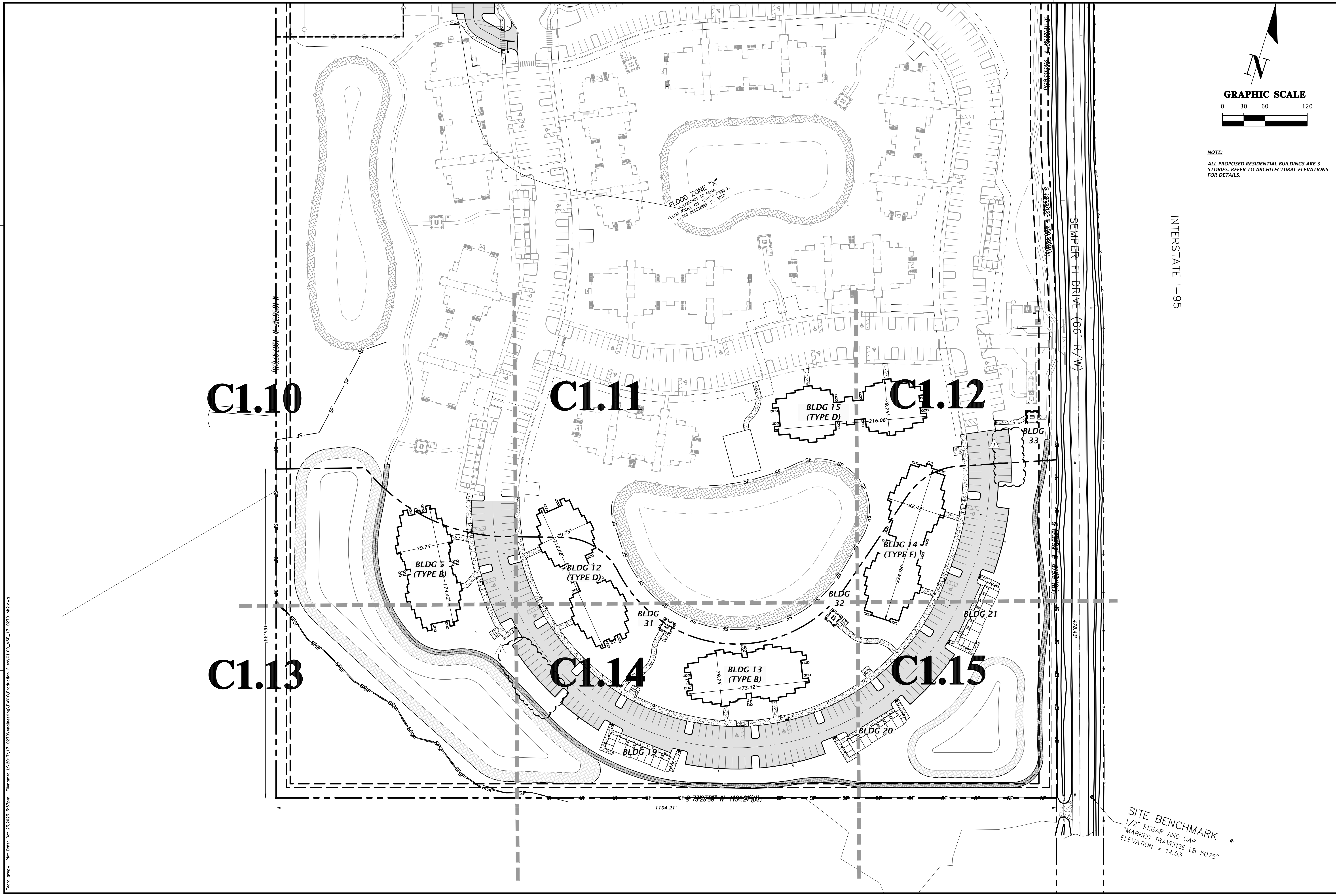
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MITCHELL G. MASON, P.E. ON THE DATE INDICATED HERE: 5/26/2023

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

FL PE No. 92335

SHEET NO. C0.30





**NOTE:**  
 ALL PROPOSED RESIDENTIAL BUILDINGS ARE 3  
 STORIES. REFER TO ARCHITECTURAL ELEVATIONS  
 FOR DETAILS.

8485 Merchants Way, Ste. 102  
 Jacksonville, Florida 32222  
 www.chw-inc.com  
 est. 1988 FLORIDA  
 CA-3075

**CHW**  
 Professional Consultants

SCALE: 1"=60'  
 VERIFY ALL DIMENSIONS  
 AGAINST ORIGINAL DRAWING  
 IF ANY DISCREPANCIES  
 THIS SHEET, ADJUST  
 DIMENSIONS ACCORDINGLY.

CONSTRUCTION PERSONNEL

DATE: 5/17/23 - FIRST SUBMITTAL  
 5/26/23 - SECOND SUBMITTAL

CLIENT: DAVIS & SONS  
 PROJECT: MILLS CREEK PRESERVE PHASE 2  
 SHEET TITLE: MASTER SITE PLAN

DESIGNER: K. MERRITT  
 PROJECT ENGINEER: M. MASON  
 QUALITY CONTROL: D. YOUNG  
 PROJECT NUMBER: 17-0279.01

Mitchell G. Mason, P.E.  
 State of Florida, Professional  
 Engineer, License No. 92335  
 This item has been digitally  
 signed and sealed by Mitchell  
 G. Mason, P.E. on the date  
 indicated here: 10/25/2023  
 Printed copies of this  
 document are not considered  
 signed and sealed and the  
 signature must be verified on  
 any electronic copies.

FL PE No. 92335

SHEET NO.  
**C1.00**

Text: gmp.rvt For Date: Oct 23, 2023 5:57pm Filename: L:\2017\17-0279\Engineering\DWG\Production\Title\C1.00\_MSP\_17-0279\_02.dwg



Text: gmp.rvt Plot Date: Oct 12, 2023 12:28pm Filename: L:\317\17-0279\engineering\DWG\Production\Plan\C1.10\_DSP\_17-0279.ph2.dwg

12-2N-26-1601-0001-0000  
PLUMMER CREEK HOMEOWNERS  
ASSOCIATION INC  
21.6 AC

12-2N-26-1602-00A2-0000  
PLUMMER CREEK HOMEOWNERS  
ASSOCIATION INC  
26.92 AC

20' SETBACK (TYP)  
15' MEDIUM DENSITY  
BUFFER (TYP)  
PROPERTY LINE  
(TYP)

PROPOSED  
SMF-3  
REFER TO C2.40-2.41  
FOR GEOMETRY AND DETAILS

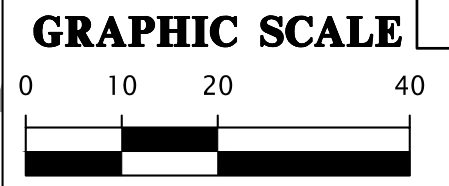
CONC. A/C PAD, TYP  
REFER TO ARCH PLANS  
FOR DETAILS  
6.67' x 4' CONC. MEP  
ENTRY PAD  
REFER TO ARCH PLANS  
FOR DETAILS

**BLDG 5  
(TYPE B)**

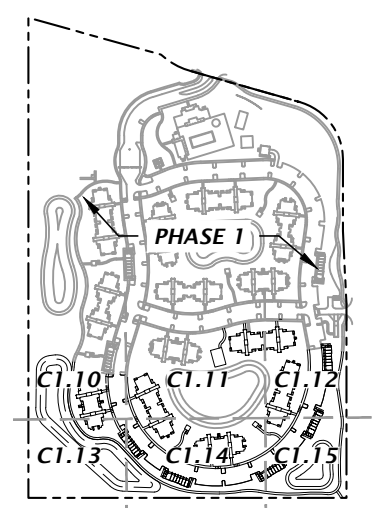
**MATCHLINE C1.11**

**MATCHLINE C1.13**

**BLDG 5**



- = HEAVY DUTY CONCRETE  
(SEE C2.60 FOR DETAIL)
- = CONCRETE (FOR SIDEWALK)  
(SEE C2.60 FOR DETAIL)
- = PAVEMENT ASPHALT  
(SEE C2.60 FOR DETAIL)
- = MULTI-USE TRAIL ASPHALT  
(SEE C2.60 FOR DETAIL)
- = TYPE 'F' CURB AND GUTTER  
(SEE C2.60 FOR DETAIL)
- = 6" CURB  
(SEE C2.60 FOR DETAIL)
- = SPILL CURB  
(SEE C2.60 FOR DETAIL)
- = 6" HIGH THICKEN EDGE S/W  
(SEE C2.60 FOR DETAIL)
- = 6" CURB TRANSITION FROM 6" CURB  
TO TYPE 'F' CURB AND GUTTER
- = 6" CURB WITH CONCRETE INFILL
- = TYPE 'F' CURB AND GUTTER  
TRANSITION  
(PER FDOT INDEX 520-001)
- = 6" CURB TRANSITION FROM 6"  
CURB TO FLUSH



8455 Merchants Way, Ste. 102  
Jacksonville, Florida 32222  
www.chw-inc.com  
est. 1988 FLORIDA  
CA-3075

**CHW**  
Professional Consultants

SCALE: 1"=20'  
VERIFY ALL DIMENSIONS  
BASED UPON  
ORIGINAL DRAWING  
IF ANY DIMENSIONS  
DO NOT MATCH  
THIS SHEET, ADJUST  
SCALES ACCORDINGLY.

DATE: 5/17/23  
SUBMITTAL: 5/26/23 - SECOND SUBMITTAL

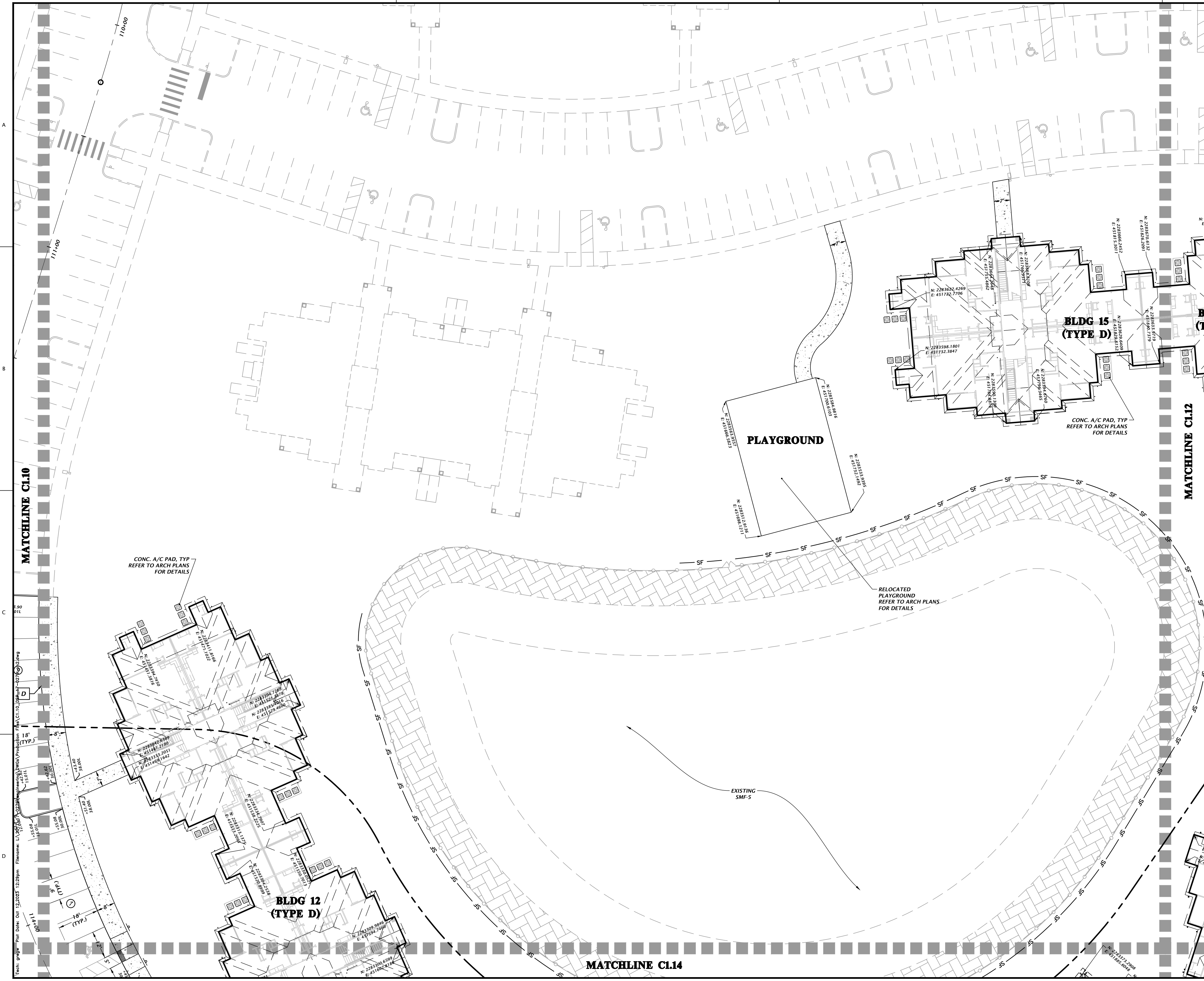
CLIENT: DAVIS & SONS  
PROJECT: MILLS CREEK PRESERVE PHASE 2  
SHEET TITLE: DETAILED HORIZONTAL CONTROL  
AND SITE PLAN

DESIGNER: K. MERRITT  
PROJECT ENGINEER: M. MASON  
QUALITY CONTROL: D. YOUNG  
PROJECT NUMBER: 17-0279.01

Mitchell G. Mason, P.E.  
State of Florida, Professional  
Engineer, License No. 92335  
This item has been digitally  
signed and sealed by Mitchell  
G. Mason, P.E. on the date  
indicated here: 10/25/2023

Printed copies of this  
document are not considered  
signed and sealed and the  
signature must be verified on  
any electronic copies.

FL PE No. 92335  
SHEET NO:  
**C1.10**



**GRAPHIC SCALE**  
0 10 20 40

**PHASE I**

**CHW**  
Professional Consultants

8485 Merchants Way, Ste. 102  
Jacksonville, Florida 32222  
www.chw-inc.com  
est. 1988 FLORIDA  
CA-3075

SCALE: 1"=20'  
VERTICAL SCALE ON ORIGINAL DRAWING: AS SHOWN  
THIS SHEET, ADJUST SCALES ACCORDINGLY.

CONSTRUCTION NOTES:

1/17/23 - FIRST SUBMITTAL  
5/26/23 - SECOND SUBMITTAL

CLIENT: DAVIS & SONS  
PROJECT: MILLS CREEK PRESERVE PHASE 2  
SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

DESIGNER: K. MERRITT  
PROJECT ENGINEER: M. MASON  
QUALITY CONTROL: D. YOUNG  
PROJECT NUMBER: 17-0279.01

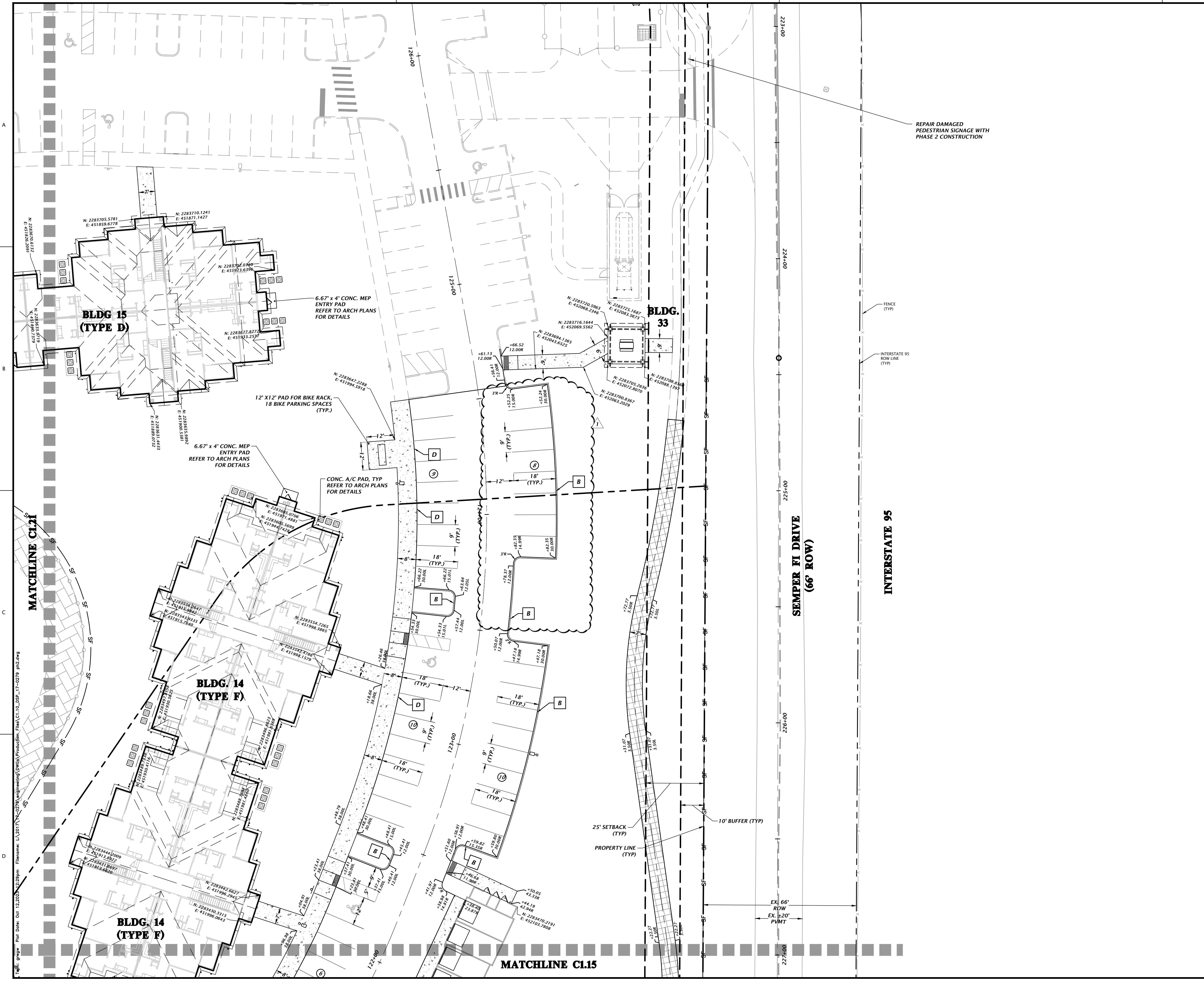
Mitchell G. Mason, P.E.  
State of Florida, Professional Engineer, License No. 92335  
This item has been digitally signed and sealed by Mitchell G. Mason, P.E. on the state indicated here: 12/25/2023  
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

FL PE No. 92335  
SHEET NO. **C1.11**

**LEGEND**

- = HEAVY DUTY CONCRETE (SEE C2.60 FOR DETAIL)
- = CONCRETE (FOR SIDEWALK) (SEE C2.60 FOR DETAIL)
- = PAVEMENT ASPHALT (SEE C2.60 FOR DETAIL)
- = MULTI-USE TRAIL ASPHALT (SEE C2.60 FOR DETAIL)
- = TYPE 'F' CURB AND GUTTER (SEE C2.60 FOR DETAIL)
- = 6" CURB (SEE C2.60 FOR DETAIL)
- = SPILL CURB (SEE C2.60 FOR DETAIL)
- = 6" HIGH THICKENED EDGE S/W (SEE C2.60 FOR DETAIL)
- = 6" CURB TRANSITION FROM 6" CURB TO TYPE 'F' CURB AND GUTTER
- = 6" CURB WITH CONCRETE INFILL
- = TYPE 'F' CURB AND GUTTER TRANSITION (PER FDOT INDEX 520-001)
- = 6" CURB TRANSITION FROM 6" CURB TO FLUSH





**GRAPHIC SCALE**

**LEGEND**

- = HEAVY DUTY CONCRETE (SEE C2.60 FOR DETAIL)
- = CONCRETE (FOR SIDEWALK) (SEE C2.60 FOR DETAIL)
- = PAVEMENT ASPHALT (SEE C2.60 FOR DETAIL)
- = MULTI-USE TRAIL ASPHALT (SEE C2.60 FOR DETAIL)

- = TYPE 'F' CURB AND GUTTER (SEE C2.60 FOR DETAIL)
- = 6" CURB (SEE C2.60 FOR DETAIL)
- = SPILL CURB (SEE C2.60 FOR DETAIL)
- = 6" HIGH THICKENED EDGE S/W (SEE C2.60 FOR DETAIL)
- = 6" CURB TRANSITION FROM 6" CURB TO TYPE 'F' CURB AND GUTTER
- = 6" CURB WITH CONCRETE INFILL
- = TYPE 'F' CURB AND GUTTER TRANSITION (PER FDOT INDEX 520-001)
- = 6" CURB TRANSITION FROM 6" CURB TO FLUSH

**CLIENT:** DAVIS & SONS  
**PROJECT:** MILLS CREEK PRESERVE PHASE 2  
**SHEET TITLE:** DETAILED HORIZONTAL CONTROL AND SITE PLAN

**DESIGNER:** K. MERRITT  
**PROJECT ENGINEER:** M. MASON  
**QUALITY CONTROL:** D. YOUNG  
**PROJECT NUMBER:** 17-0279.01

**MITCHELL G. MASON**  
 Mitchell G. Mason, P.E.  
 State of Florida, Professional Engineer, License No. 92335  
 This item has been digitally signed and sealed by Mitchell G. Mason, P.E., on the state indicated here: 12/23/2023  
 Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

FL PE No. 92335  
**SHEET NO. C1.12**

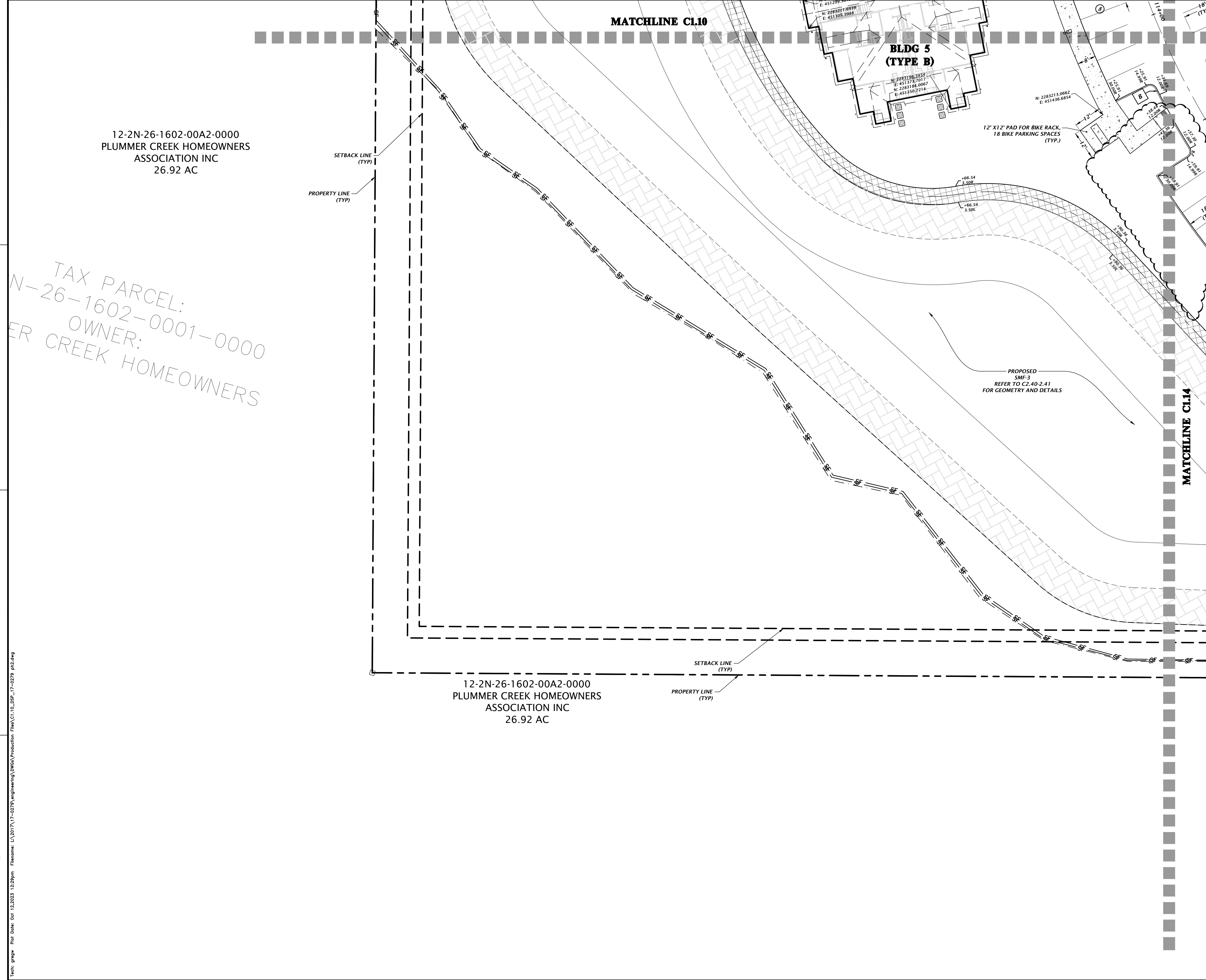
SCALE: 1"=20'  
 VERIFY ALL DIMENSIONS ON ORIGINAL DRAWING  
 IF ANY DIMENSIONS DO NOT MATCH THIS SHEET, ADJUST SCALES ACCORDINGLY.

CONSTRUCTION PERSONNEL

DATE: 12/23/23  
 FILENAME: L:\2017\17-0279\Engineering\DWG\Production\17-0279\_P12.dwg  
 PLOT DATE: 12/23/23 12:28pm

8455 Merchants Way, Ste. 102  
 Jacksonville, Florida 32222  
 www.chw-inc.com  
 est. 1988 FLORIDA CA-3075

**CHW**  
 Professional Consultants



12-2N-26-1602-00A2-0000  
 PLUMMER CREEK HOMEOWNERS  
 ASSOCIATION INC  
 26.92 AC

TAX PARCEL:  
 N-26-1602-0001-0000  
 OWNER:  
 PLUMMER CREEK HOMEOWNERS

12-2N-26-1602-00A2-0000  
 PLUMMER CREEK HOMEOWNERS  
 ASSOCIATION INC  
 26.92 AC

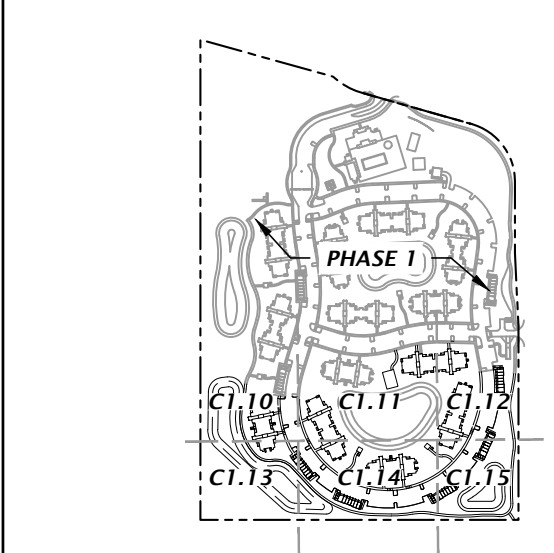
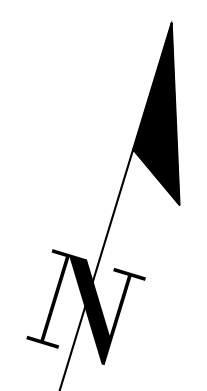
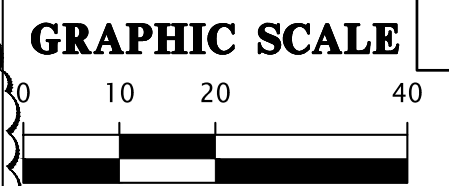
**BLDG 5  
 (TYPE B)**

12' X 12' PAD FOR BIKE RACK,  
 18 BIKE PARKING SPACES  
 (TYP.)

PROPOSED  
 SMF-3  
 REFER TO C2.40-2.41  
 FOR GEOMETRY AND DETAILS

**MATCHLINE C1.10**

**MATCHLINE C1.14**



- = HEAVY DUTY CONCRETE  
(SEE C2.60 FOR DETAIL)
- = CONCRETE (FOR SIDEWALK)  
(SEE C2.60 FOR DETAIL)
- = PAVEMENT ASPHALT  
(SEE C2.60 FOR DETAIL)
- = MULTI-USE TRAIL ASPHALT  
(SEE C2.60 FOR DETAIL)
- = TYPE 'F' CURB AND GUTTER  
(SEE C2.60 FOR DETAIL)
- = 6" CURB  
(SEE C2.60 FOR DETAIL)
- = SPILL CURB  
(SEE C2.60 FOR DETAIL)
- = 6" HIGH THICKEN EDGE S/W  
(SEE C2.60 FOR DETAIL)
- = 6" CURB TRANSITION FROM 6" CURB  
TO TYPE 'F' CURB AND GUTTER
- = 6" CURB WITH CONCRETE INFILL
- = TYPE 'F' CURB AND GUTTER  
TRANSITION  
(PER FDOT INDEX 520-001)
- = 6" CURB TRANSITION FROM 6"  
CURB TO FLUSH

Title: gmp.dwg Plot Date: 01/12/2023 12:28pm Filename: L:\3017\17-0279\engineering\DWG\Production\Plan\C1.10\_DSF\_17-0279.ph2.dwg

8455 Merchants Way, Ste. 102  
 Jacksonville, Florida 32222  
 www.chw-inc.com  
 est. 1988 FLORIDA  
 CA-3075

CHW  
 Professional Consultants

SCALE: 1"=20'  
 VERIFY ALL DIMENSIONS ON ORIGINAL DRAWING  
 IF ANY DIMENSIONS DO NOT MATCH THIS SHEET, ADJUST SCALES ACCORDINGLY.

CONSTRUCTION PERSONNEL

SUBMITTAL:  
 1/17/23 - FIRST SUBMITTAL  
 5/26/23 - SECOND SUBMITTAL

CLIENT: DAVIS & SONS  
 PROJECT: MILLS CREEK PRESERVE PHASE 2  
 SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

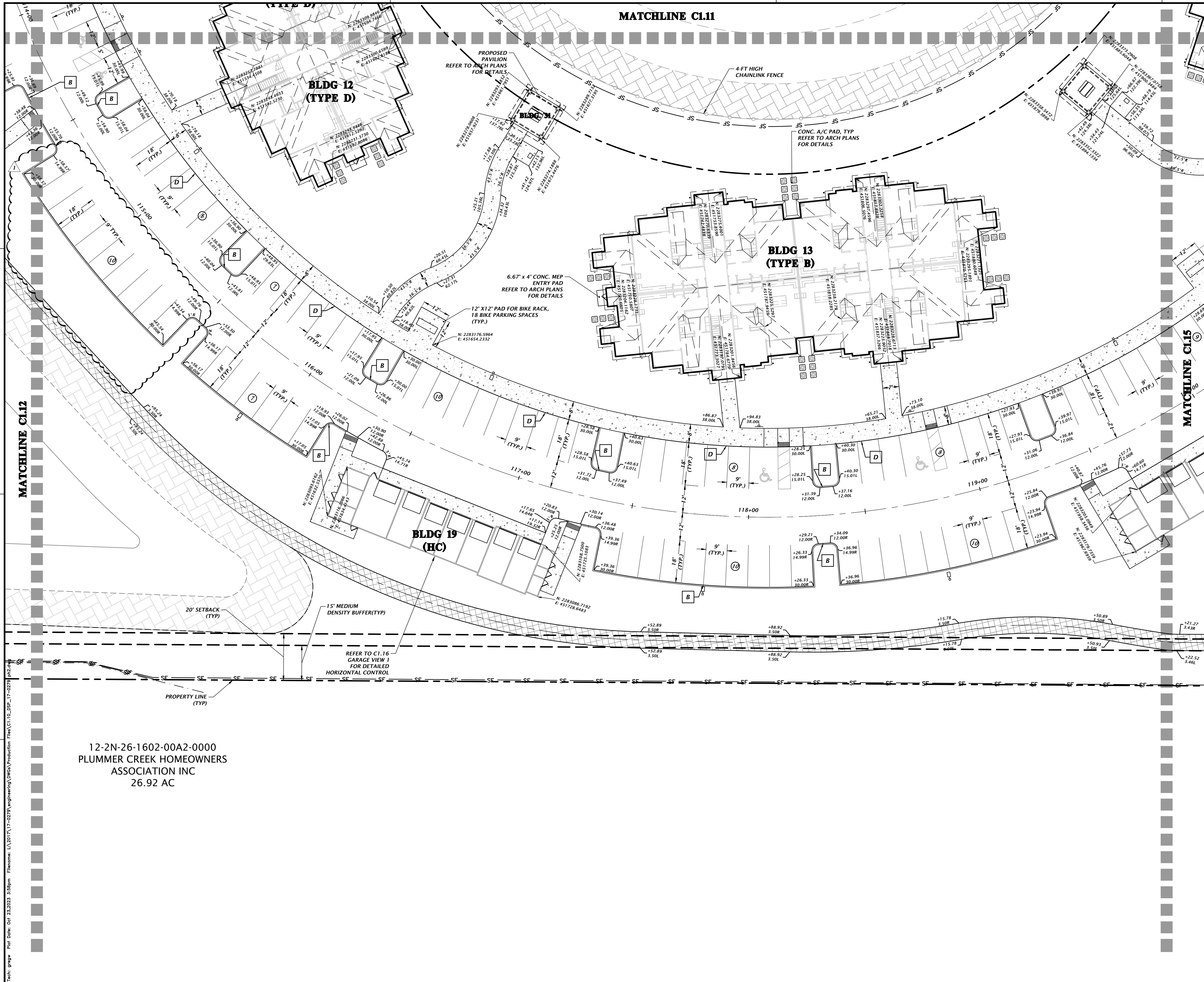
DESIGNER:  
 K. MERRITT  
 PROJECT ENGINEER:  
 M. MASON  
 QUALITY CONTROL:  
 D. YOUNG  
 PROJECT NUMBER:  
 17-0279.01

DESIGNER:  
 Mitchell G. Mason, P.E.  
 State of Florida, Professional Engineer, License No. 92335  
 This item has been digitally signed and sealed by Mitchell G. Mason, P.E. on the date indicated here: 12/25/2023  
 Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

FL PE No. 92335  
 SHEET NO.

C1.13





12-2N-26-1602-00A2-0000  
 PLUMMER CREEK HOMEOWNERS  
 ASSOCIATION INC  
 26.92 AC

MATCHLINE C1.11

MATCHLINE C1.13

MATCHLINE C1.12

**GRAPHIC SCALE**

**LEGEND**

- = HEAVY DUTY CONCRETE (SEE C2.60 FOR DETAIL)
- = CONCRETE (FOR SIDEWALK) (SEE C2.60 FOR DETAIL)
- = PAVEMENT ASPHALT (SEE C2.60 FOR DETAIL)
- = MULTI-USE TRAIL ASPHALT (SEE C2.60 FOR DETAIL)

- = TYPE 'F' CURB AND GUTTER (SEE C2.60 FOR DETAIL)
- = 6" CURB (SEE C2.60 FOR DETAIL)
- = SPILL CURB (SEE C2.60 FOR DETAIL)
- = 6" HIGH THICKEN EDGE S/W (SEE C2.60 FOR DETAIL)
- = 6" CURB TRANSITION FROM 6" CURB TO TYPE 'F' CURB AND GUTTER
- = 6" CURB WITH CONCRETE INFILL
- = TYPE 'F' CURB AND GUTTER TRANSITION (PER FDOT INDEX 520-001)
- = 6" CURB TRANSITION FROM 6" CURB TO FLUSH

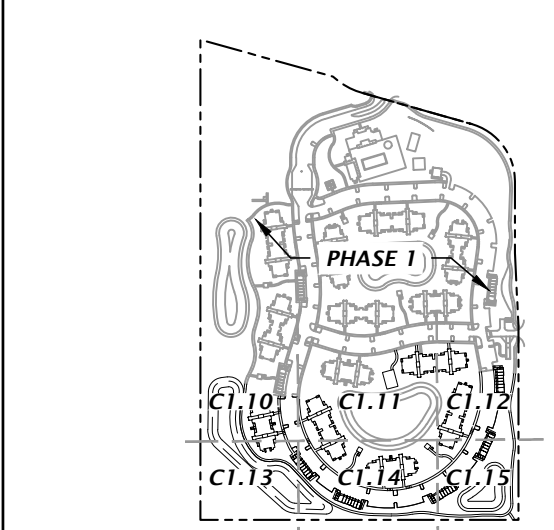
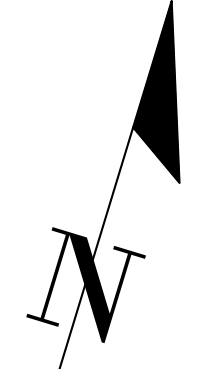
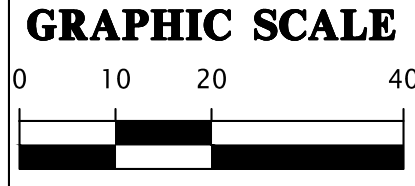
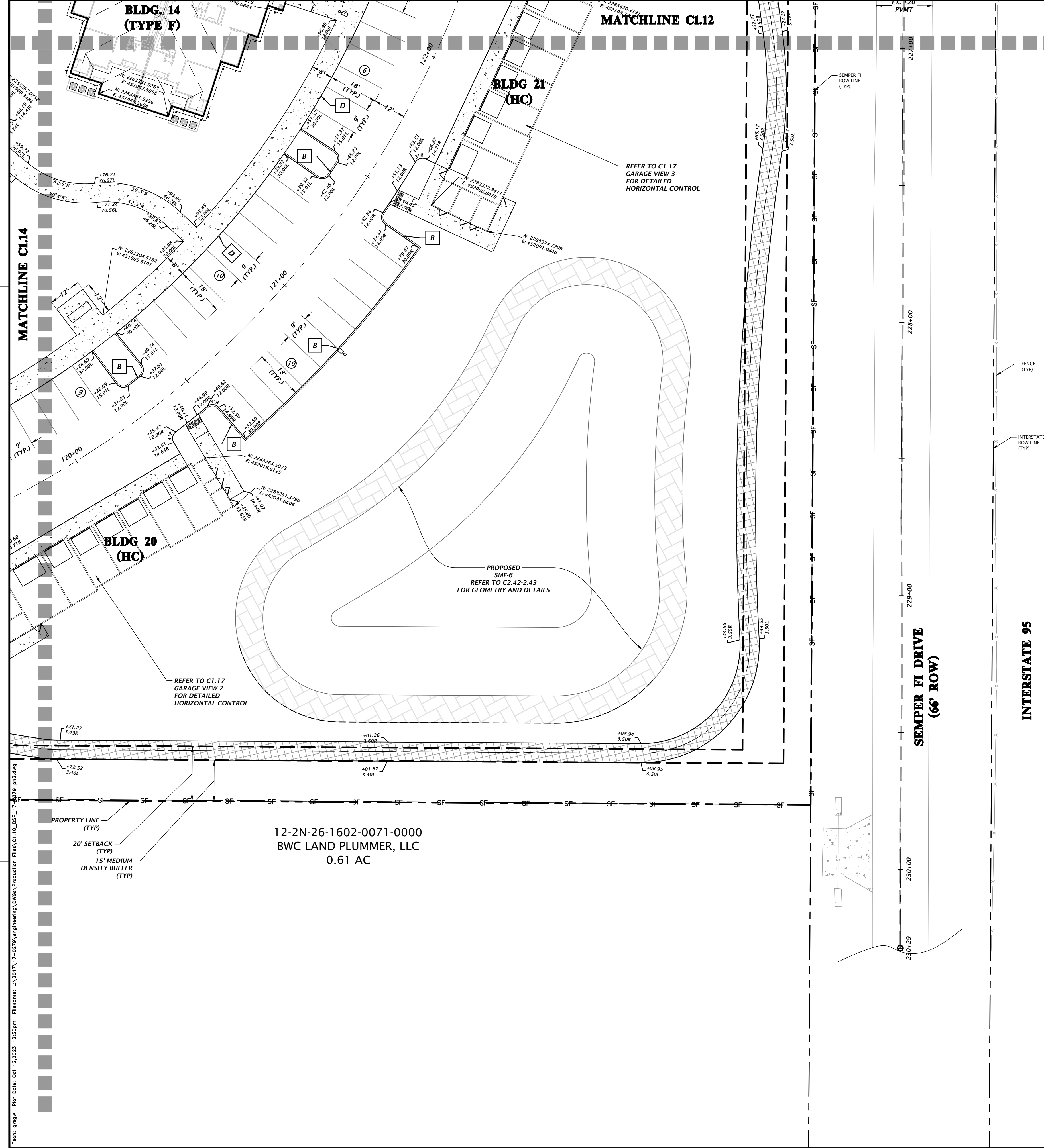
**CLIENT:** DAVIS & SONS  
 MILLS CREEK PRESERVE PHASE 2  
 DETAILED HORIZONTAL CONTROL AND SITE PLAN

**PROJECT:** 17-0279.01

**DESIGNER:** MITCHELL G. MASON  
 PROJECT ENGINEER: MITCHELL G. MASON  
 QUALITY CONTROL: D. YOUNG  
 PROJECT NUMBER: 17-0279.01

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.





- = HEAVY DUTY CONCRETE (SEE C2.60 FOR DETAIL)
- = CONCRETE (FOR SIDEWALK) (SEE C2.60 FOR DETAIL)
- = PAVEMENT ASPHALT (SEE C2.60 FOR DETAIL)
- = MULTI-USE TRAIL ASPHALT (SEE C2.60 FOR DETAIL)
- = TYPE 'F' CURB AND GUTTER (SEE C2.60 FOR DETAIL)
- = 6" CURB (SEE C2.60 FOR DETAIL)
- = SPILL CURB (SEE C2.60 FOR DETAIL)
- = 6" HIGH THICKENED EDGE S/W (SEE C2.60 FOR DETAIL)
- = 6" CURB TRANSITION FROM 6" CURB TO TYPE 'F' CURB AND GUTTER
- = 6" CURB WITH CONCRETE INFILL
- = TYPE 'F' CURB AND GUTTER TRANSITION (PER FDOT INDEX 520-001)
- = 6" CURB TRANSITION FROM 6" CURB TO FLUSH

8485 Merchants Way, Ste. 102  
Jacksonville, Florida 32222  
www.chw-inc.com  
est. 1988 FLORIDA  
CA-3075

**CHW**  
Professional Consultants

SCALE: 1"=20'  
VERIFY ALL DIMENSIONS ON ORIGINAL DRAWING  
IF ANY DISCREPANCIES OCCUR THIS SHEET, ADJUST SCALES ACCORDINGLY.

DATE: 11/17/23  
SUBMITTAL: FIRST SUBMITTAL  
PROJECT: MILLS CREEK PRESERVE PHASE 2  
SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

CLIENT: DAVIS & SONS  
PROJECT: MILLS CREEK PRESERVE PHASE 2  
SHEET TITLE: DETAILED HORIZONTAL CONTROL AND SITE PLAN

DESIGNER: K. MERRITT  
PROJECT ENGINEER: M. MASON  
QUALITY CONTROL: D. YOUNG  
PROJECT NUMBER: 17-0279.01

MITCHELL G. MASON  
Mitchell G. Mason, P.E.  
State of Florida, Professional Engineer, License No. 92335

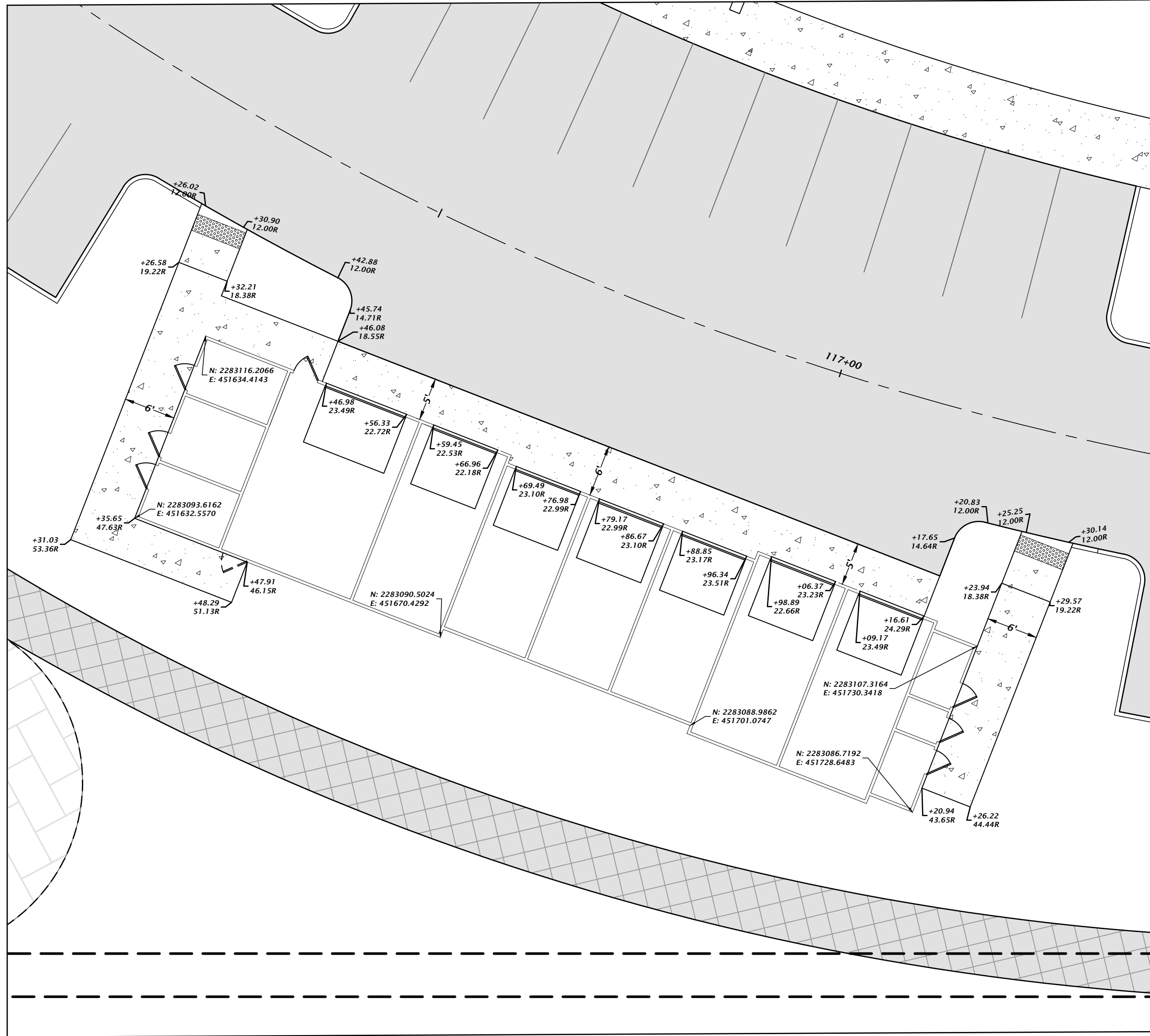
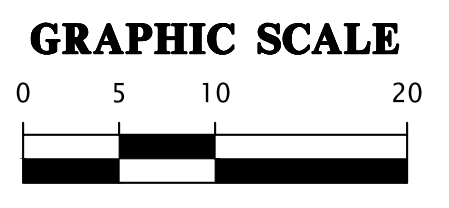
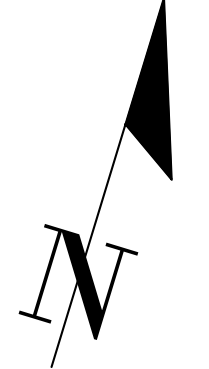
This item has been digitally signed and sealed by Mitchell G. Mason, P.E., on the date indicated here: 11/23/2023  
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

FL PE No. 92335

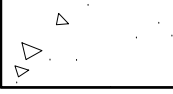



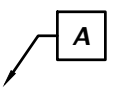
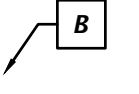
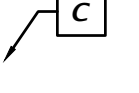


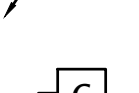
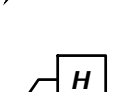

SHEET NO. C1.15

A  
B  
C  
D

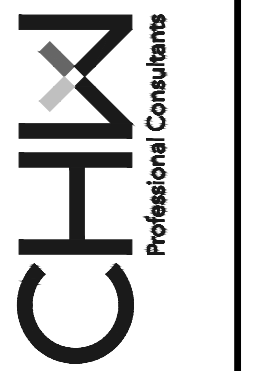
Text: gmpw For Date: 01/12/2023 12:31pm Filename: L:\017\17-0279\Engineering\DWG\Production\17-0279\_17-0279\_p42.dwg



**GARAGE VIEW 1  
BLDG 19**  
1" = 10'

-  = HEAVY DUTY CONCRETE (SEE C2.60 FOR DETAIL)
-  = CONCRETE (FOR SIDEWALK) (SEE C2.60 FOR DETAIL)
-  = PAVEMENT ASPHALT (SEE C2.60 FOR DETAIL)
-  = MULTI-USE TRAIL ASPHALT (SEE C2.60 FOR DETAIL)
-  = TYPE 'F' CURB AND GUTTER (SEE C2.60 FOR DETAIL)
-  = 6" CURB (SEE C2.60 FOR DETAIL)
-  = SPILL CURB (SEE C2.60 FOR DETAIL)
-  = 6" HIGH THICKENED EDGE S/W (SEE C2.60 FOR DETAIL)
-  = 6" CURB TRANSITION FROM 6" CURB TO TYPE 'F' CURB AND GUTTER
-  = 6" CURB WITH CONCRETE INFILL
-  = TYPE 'F' CURB AND GUTTER TRANSITION (PER FDOT INDEX 520-001)
-  = 6" CURB TRANSITION FROM 6" CURB TO FLUSH

8455 Merchants Way, Ste. 102  
Jacksonville, Florida 32222  
www.chw-inc.com  
est. 1988 FLORIDA  
CA-3075



SCALE: 1" = 10'  
VERIFY ALL DIMENSIONS ON ORIGINAL DRAWING  
IF ANY DIMENSIONS DO NOT MATCH THIS SHEET, ADJUST SCALES ACCORDINGLY.

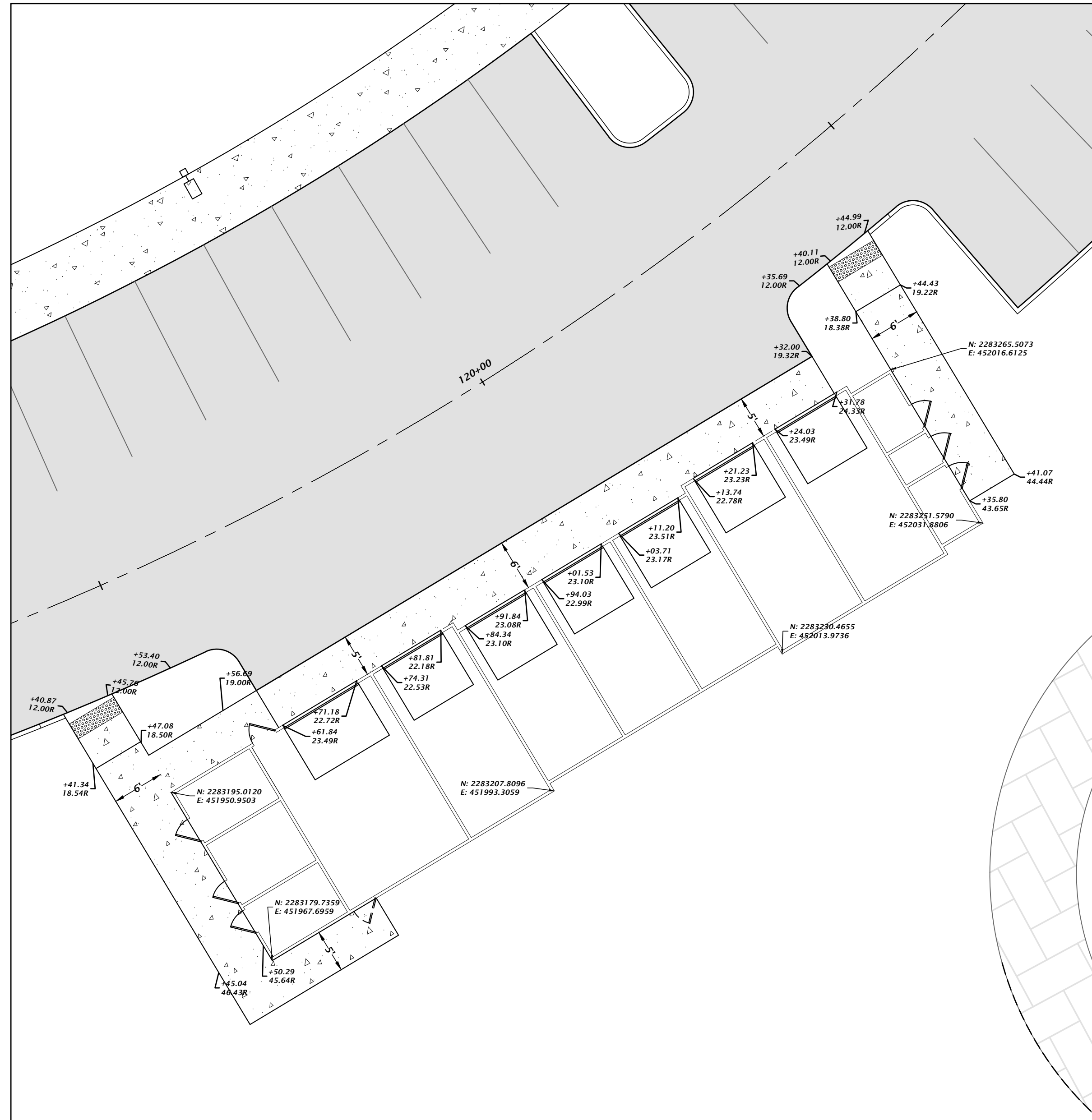
DATE: 5/26/23  
SUBMITTAL: 1/17/23 - FIRST SUBMITTAL  
5/26/23 - SECOND SUBMITTAL

CLIENT: DAVIS & SONS  
PROJECT: MILLS CREEK PRESERVE PHASE 2  
SHEET TITLE: DETAILED HORIZONTAL CONTROL GARAGE VIEWS

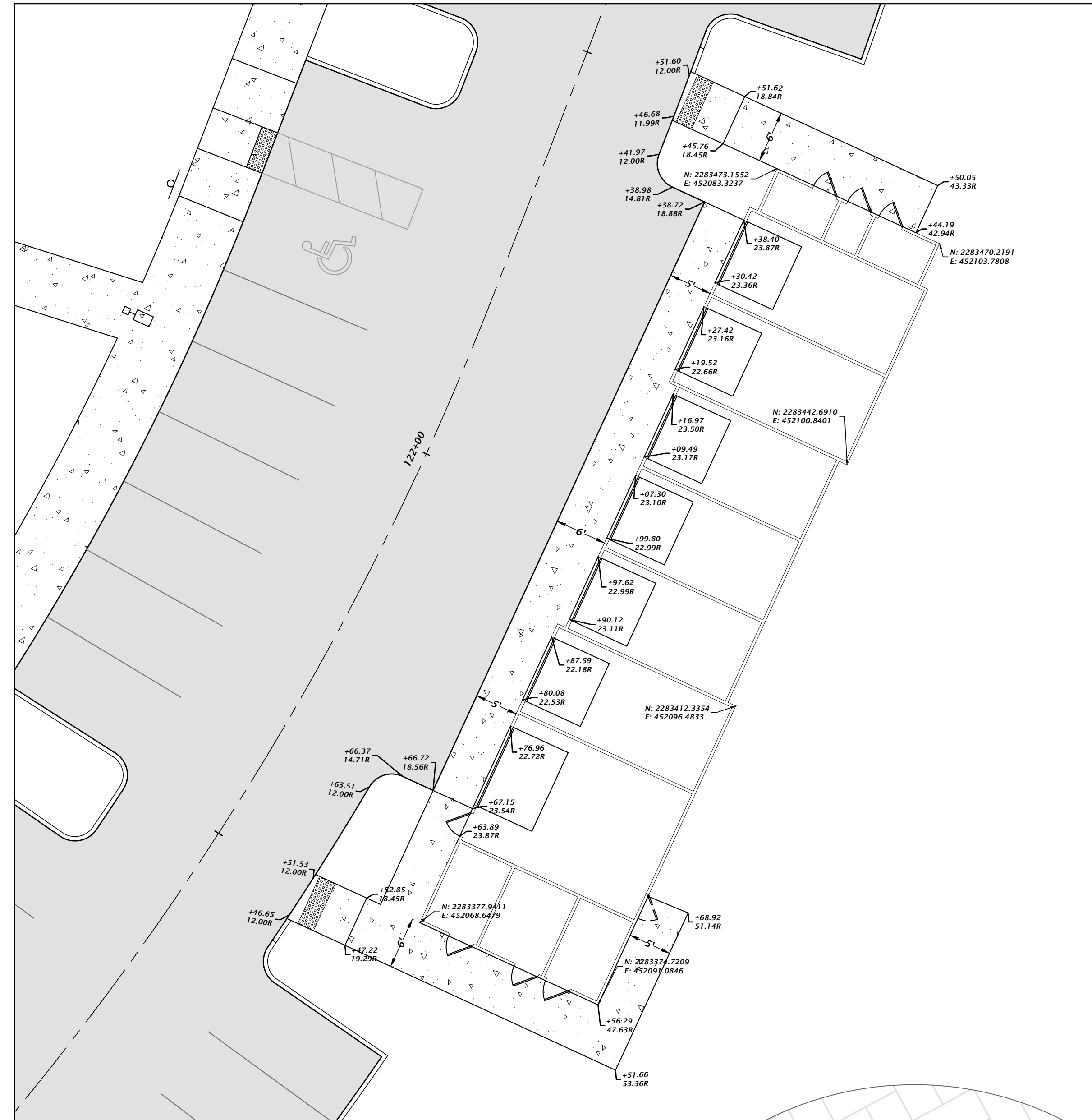
DESIGNER: K. MERRITT  
PROJECT ENGINEER: M. MASON  
QUALITY CONTROL: D. YOUNG  
PROJECT NUMBER: 17-0279.01

Mitchell G. Mason, P.E.  
State of Florida, Professional Engineer, License No. 92335  
This item has been digitally signed and sealed by Mitchell G. Mason, P.E. on the date indicated here: 10/25/2023  
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

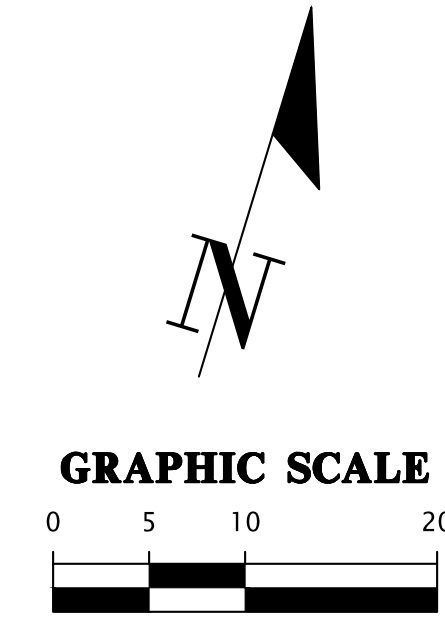




**GARAGE VIEW 2  
BLDG 20**  
1" = 10'



**GARAGE VIEW 3  
BLDG 21**  
1" = 10'



- = HEAVY DUTY CONCRETE (SEE C2.60 FOR DETAIL)
- = CONCRETE (FOR SIDEWALK) (SEE C2.60 FOR DETAIL)
- = PAVEMENT ASPHALT (SEE C2.60 FOR DETAIL)
- = MULTI-USE TRAIL ASPHALT (SEE C2.60 FOR DETAIL)
- = TYPE 'F' CURB AND GUTTER (SEE C2.60 FOR DETAIL)
- = 6" CURB (SEE C2.60 FOR DETAIL)
- = SPILL CURB (SEE C2.60 FOR DETAIL)
- = 6" HIGH THICKEN EDGE S/W (SEE C2.60 FOR DETAIL)
- = 6" CURB TRANSITION FROM 6" CURB TO TYPE 'F' CURB AND GUTTER
- = 6" CURB WITH CONCRETE INFILL
- = TYPE 'F' CURB AND GUTTER TRANSITION (PER FDOT INDEX 520-001)
- = 6" CURB TRANSITION FROM 6" CURB TO FLUSH

8455 Merchants Way, Ste. 102  
Jacksonville, Florida 32222  
(904) 619-8521  
www.chw-inc.com  
est. 1988 FLORIDA  
CA-3075

**CHW**  
Professional Consultants

SCALE: 1" = 10'  
VERIFY ALL DIMENSIONS ON ORIGINAL DRAWING  
IF ANY DISCREPANCIES, THIS SHEET ADJUST SCALES ACCORDINGLY.

CONSTRUCTION PERSONNEL

DATE: 5/17/23 - FIRST SUBMITTAL  
5/26/23 - SECOND SUBMITTAL

CLIENT: DAVIS & SONS  
PROJECT: MILLS CREEK PRESERVE PHASE 2  
SHEET TITLE: DETAILED HORIZONTAL CONTROL GARAGE VIEWS

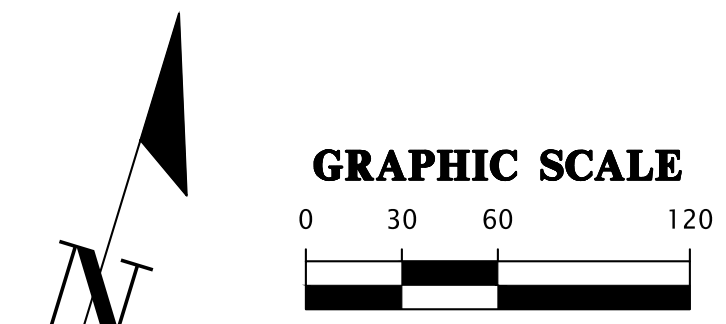
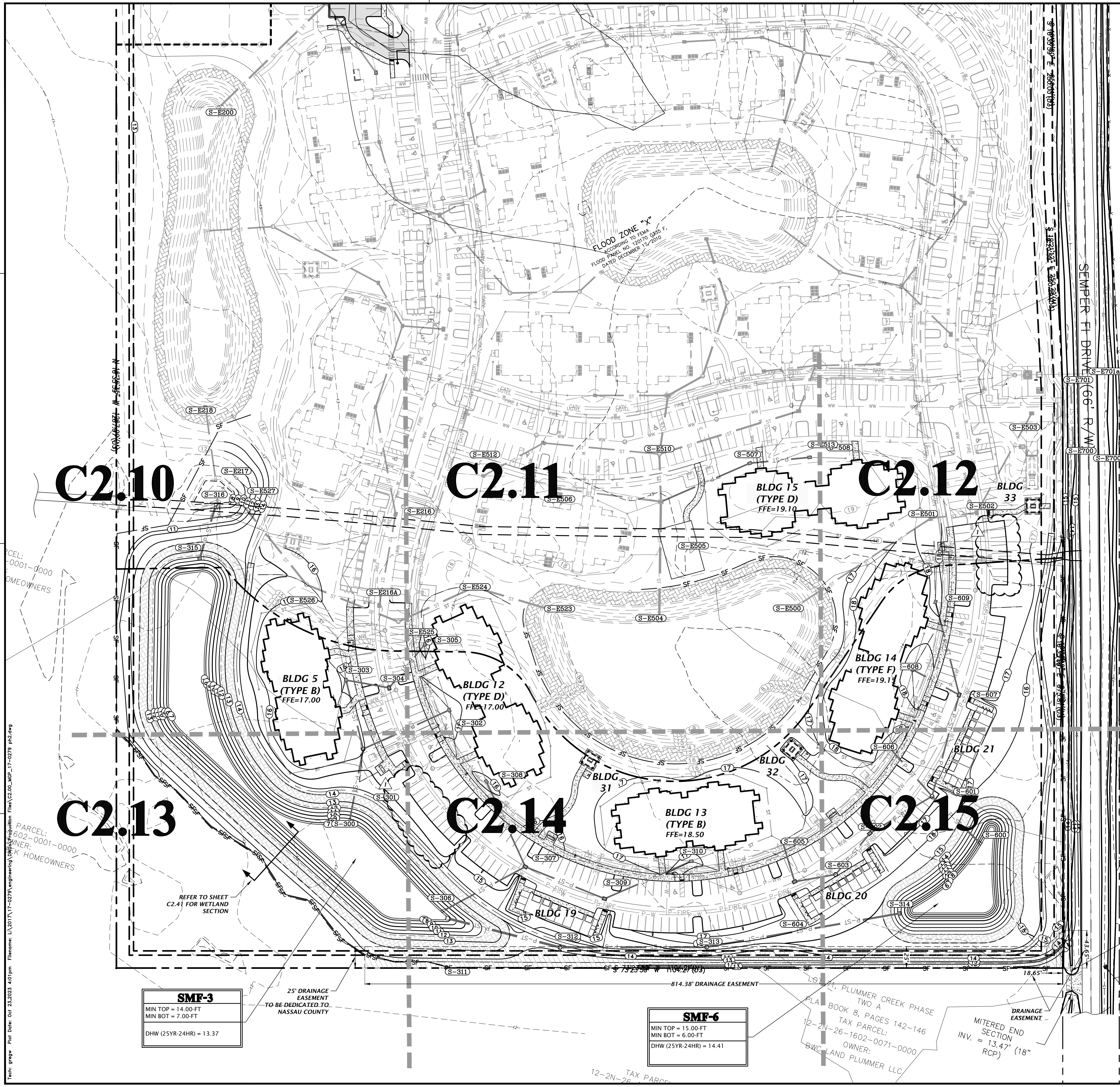
DESIGNER: K. MERRITT  
PROJECT ENGINEER: M. MASON  
QUALITY CONTROL: D. YOUNG  
PROJECT NUMBER: 17-0279.01

Mitchell G. Mason, P.E.  
State of Florida, Professional Engineer, License No. 92335  
This item has been digitally signed and sealed by Mitchell G. Mason, P.E. on the date indicated here: 10/25/2023  
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

FL PE No. 92335  
SHEET NO. **C1.17**

Title: garage For Date: Oct 12, 2023 12:22pm Filename: L:\317\17-0279\engineering\DWG\Production\Title\C1.17\_DSDP\_17-0279\_p42.dwg





### STORMWATER STRUCTURE TABLE

STRUCTURE:	STRUCTURE TYPE	TOP	INVERT ELEV.	PIPE DIA.	NORTHING & EASTING
S-300	18" FLARED END SECTION PER FDOT INDEX NO. 430-020	N/A	7.00' N	18"	N: 2283132.34 E: 451419.08
S-301	MANHOLE PER FDOT INDEX NO. 425-001	16.01'	8.48' NW 8.48' S 8.48' NE	18"	N: 2283220.32 E: 451409.98
S-302	TYPE 'C' INLET PER FDOT INDEX NO. 425-052	15.50'	9.30' SW 11.00' NW 11.00' SE	18"	N: 2283292.56 E: 451493.31
S-303	TYPE 'Y' INLET PER FDOT INDEX NO. 425-053	15.60'	9.33' E 9.33' SE 10.00' NW	18"	N: 2283291.64 E: 451367.83
S-304	TYPE 'Y' INLET PER FDOT INDEX NO. 425-053	14.54'	8.60' W 10.85' NE	18"	N: 2283297.28 E: 451418.69
S-305	TYPE 'C' INLET PER FDOT INDEX NO. 425-052	15.51'	11.00' SW 11.71' W 11.00' SE	18"	N: 2283357.88 E: 451443.97
S-306	18" FLARED END SECTION PER FDOT INDEX NO. 430-020	N/A	7.00' NE	18"	N: 2283064.52 E: 451551.73
S-307	TYPE 'Y' INLET PER FDOT INDEX NO. 425-053	14.56'	8.11' E 8.11' SW 8.11' NW	18"	N: 2283142.79 E: 451630.54
S-308	TYPE 'C' INLET PER FDOT INDEX NO. 425-052	15.50'	9.77' SE 9.77' E 11.00' NW	18"	N: 2283225.25 E: 451558.50
S-309	TYPE 'Y' INLET PER FDOT INDEX NO. 425-053	14.57'	8.40' W 8.40' NE	18"	N: 2283133.45 E: 451729.81
S-310	TYPE 'C' INLET PER FDOT INDEX NO. 425-052	16.35'	13.50' SW 13.50' W 13.50' NE	18"	N: 2283204.27 E: 451814.28
S-311	30" FLARED END SECTION PER FDOT INDEX NO. 430-020	N/A	7.00' E	30"	N: 2283059.12 E: 451558.91
S-312	MANHOLE PER FDOT INDEX NO. 425-001	13.69'	7.82' E 7.82' W	24"	N: 2283064.19 E: 451696.20
S-313	MANHOLE PER FDOT INDEX NO. 425-001	15.48'	8.85' NE 8.85' W	24"	N: 2283113.42 E: 451860.16
S-314	TYPE 'C' INLET PER FDOT INDEX NO. 425-052	13.50'	10.21' SW	24"	N: 2283215.29 E: 452064.42
S-315	TYPE 'C' INLET PER FDOT INDEX NO. 425-052	13.00'	9.83' N	24"	N: 2283378.42 E: 451163.77
S-316	24" FLARED END SECTION PER FDOT INDEX NO. 430-020	N/A	7.50' S	24"	N: 2283446.25 E: 451164.06
S-600	FLARED END SECTION PER FDOT INDEX 430-020	N/A	6.00' NW	24"	N: 2283319.90 E: 452132.83
S-601	MANHOLE PER FDOT INDEX NO. 425-001	16.99'	8.71' N 7.20' SE 9.20' SW 10.40' NW	18"	N: 2283357.10 E: 452061.82
S-602	TYPE 'Y' INLET PER FDOT INDEX NO. 425-053	15.99'	9.58' SW 9.58' NE	18"	N: 2283294.85 E: 452004.70
S-603	MANHOLE PER FDOT INDEX NO. 425-001	16.63'	10.03' SW 10.03' NE	18"	N: 2283237.53 E: 451980.07
S-604	TYPE 'Y' INLET PER FDOT INDEX NO. 425-053	16.08'	10.25' NE 12.23' NW	18"	N: 2283215.83 E: 451936.62
S-605	TYPE 'C' INLET PER FDOT INDEX NO. 425-052	16.24'	13.32' SE 13.32' W	12"	N: 2283256.85 E: 451909.72
S-606	TYPE 'C' INLET PER FDOT INDEX NO. 425-052	17.40'	10.75' SE 10.75' SW 14.19' N	18"	N: 2283398.29 E: 451996.63
S-607	TYPE 'Y' INLET PER FDOT INDEX NO. 425-053	16.65'	9.26' S 9.26' NW 12.29' W	18"	N: 2283479.48 E: 452058.43
S-608	TYPE 'C' INLET PER FDOT INDEX NO. 425-052	17.14'	12.91' E 13.93' N 13.93' S	18"	N: 2283492.20 E: 451998.02
S-609	TYPE 'C' INLET PER FDOT INDEX NO. 425-052	17.44'	9.70' SE 9.70' N	18"	N: 2283575.35 E: 452001.02

\*REFER TO FDOT INDEX 425-001 AND 425-010 FOR ADDITIONAL INFORMATION AS REQUIRED PER STRUCTURE

### STORMWATER STRUCTURE TABLE

ID	STRUCTURE TYPE	TOP	INVERT ELEV.	PIPE DIA.	NORTHING & EASTING
YD-51	12" AREA DRAIN	17.30'	14.32' E	8"	N: 2283186.70 E: 451733.91
YD-52	12" AREA DRAIN	17.80'	13.77' SW	8"	N: 2283220.68 E: 451835.71
YD-53	12" AREA DRAIN	17.88'	12.74' S	8"	N: 2283472.73 E: 451914.04
YD-54	12" AREA DRAIN	18.55'	15.34' S	8"	N: 2283426.69 E: 451995.81
YD-55	12" AREA DRAIN	18.50'	15.27' N	8"	N: 2283447.61 E: 451998.00
YD-56	12" AREA DRAIN	18.49'	15.28' S	8"	N: 2283536.53 E: 451998.86
YD-57	12" AREA DRAIN	18.42'	15.04' SW	8"	N: 2283610.08 E: 451824.29
YD-58	12" AREA DRAIN	18.40'	15.14' W	8"	N: 2283706.13 E: 451852.56

### STORMWATER STRUCTURE TABLE

ID	STRUCTURE TYPE	TOP	INVERT ELEV.	PIPE DIA.	NORTHING & EASTING
YD-01	12" AREA DRAIN	16.27'	13.77' NW	8"	N: 2283362.88 E: 451559.57
YD-02	12" AREA DRAIN	16.63'	13.34' SE 13.34' NW	8"	N: 2283395.54 E: 451531.58
YD-03	12" AREA DRAIN	16.19'	12.88' SE 12.88' W	8"	N: 2283430.41 E: 451502.38
YD-04	12" AREA DRAIN	16.32'	12.63' E 12.63' SW	8"	N: 2283428.01 E: 451477.18
YD-05	12" AREA DRAIN	16.39'	12.05' NE 12.05' S	8"	N: 2283389.90 E: 451432.87
YD-06	12" AREA DRAIN	16.25'	11.73' SE	8"	N: 2283344.53 E: 451574.60
YD-07	12" AREA DRAIN	16.66'	11.28' NW 11.28' SE	8"	N: 2283309.85 E: 451604.44
YD-08	12" AREA DRAIN	16.43'	11.00' NW 11.00' S	8"	N: 2283285.98 E: 451618.65
YD-09	12" AREA DRAIN	16.45'	10.63' N 10.63' SW	8"	N: 2283251.25 E: 451629.04
YD-10	12" AREA DRAIN	16.22'	10.08' NE 10.08' W	8"	N: 2283214.61 E: 451587.35
YD-11	12" AREA DRAIN	15.49'	12.49' NW	8"	N: 2283252.17 E: 451273.63
YD-12	12" AREA DRAIN	15.33'	12.04' SE 12.04' N	8"	N: 2283291.82 E: 451252.35
YD-13	12" AREA DRAIN	15.58'	11.57' S 11.57' NE	8"	N: 2283338.18 E: 451250.89
YD-14	12" AREA DRAIN	16.19'	11.04' SW 11.04' SE	8"	N: 2283363.40 E: 451297.86
YD-15	12" AREA DRAIN	16.52'	10.50' NW 10.50' SE	8"	N: 2283335.94 E: 451344.23
YD-16	12" AREA DRAIN	15.43'	9.86' SE	8"	N: 2283234.08 E: 451282.24
YD-17	12" AREA DRAIN	15.03'	9.41' NW 9.41' SE	8"	N: 2283194.83 E: 451303.31
YD-18	12" AREA DRAIN	14.76'	8.98' NW 8.98' NE	8"	N: 2283168.42 E: 451336.65
YD-19	12" AREA DRAIN	15.85'	8.34' SW 8.34' E	8"	N: 2283198.60 E: 451392.86
YD-20	12" AREA DRAIN	16.22'	8.73' S	8"	N: 2283237.57 E: 451392.44
YD-21	12" AREA DRAIN	17.70'	9.96' W 14.43' NE	8"	N: 2283581.38 E: 451794.31
YD-22	12" AREA DRAIN	17.86'	9.52' E 9.52' W	8"	N: 2283575.56 E: 451750.57
YD-23	12" AREA DRAIN	18.22'	9.19' E 9.19' N	8"	N: 2283587.84 E: 451720.16
YD-24	12" AREA DRAIN	18.52'	8.82' S 8.82' NW	8"	N: 2283621.96 E: 451707.04
YD-25	12" AREA DRAIN	18.38'	12.25' E	8"	N: 2283616.03 E: 451841.13
YD-26	12" AREA DRAIN	18.28'	11.66' W 11.66' NE	8"	N: 2283620.83 E: 451899.82
YD-27	12" AREA DRAIN	17.83'	10.90' SW 10.90' N	8"	N: 2283675.54 E: 451952.40
YD-28	12" AREA DRAIN	18.46'	11.84' E	8"	N: 2283724.95 E: 451884.38
YD-29	12" AREA DRAIN	17.98'	11.29' W 11.29' S	8"	N: 2283712.08 E: 451937.98
YD-30	12" AREA DRAIN	17.43'	12.00' N	8"	N: 2283493.78 E: 451913.68
YD-31	12" AREA DRAIN	17.97'	11.42' S 11.42' N	8"	N: 2283550.62 E: 451904.53
YD-32	12" AREA DRAIN	17.54'	10.99' S 10.99' NE	8"	N: 2283593.20 E: 451912.75
YD-33	12" AREA DRAIN	17.97'	10.72' SW 10.72' E	8"	N: 2283615.04 E: 451929.32
YD-34	12" AREA DRAIN	17.79'	10.10' W 10.10' S	8"	N: 2283613.89 E: 451990.89
YD-35	12" AREA DRAIN	17.36'	16.53' NW	8"	N: 2283193.68 E: 451711.64
YD-36	12" AREA DRAIN	17.48'	16.08' SE 16.08' NE	8"	N: 2283235.08 E: 451694.30
YD-37	12" AREA DRAIN	17.39'	15.60' SW 15.60' NE	8"	N: 2283272.17 E: 451724.48
YD-38	12" AREA DRAIN	17.03'	15.03' SW 15.03' E	8"	N: 2283295.82 E: 451776.36
YD-39	12" AREA DRAIN	17.45'	14.44' W 14.44' E	8"	N: 2283315.33 E: 451832.49
YD-40	12" AREA DRAIN	17.63'	14.02' W 14.02' SE	12"	N: 2283310.99 E: 451874.20
YD-41	12" AREA DRAIN	17.13'	13.46' NW 13.46' E 13.46' SW	8"	N: 2283259.33 E: 451895.84
YD-42	12" AREA DRAIN	17.83'	13.99' NE	8"	N: 2283226.71 E: 451853.96
YD-43	12" AREA DRAIN	17.74'	12.36' S 12.36' N	8"	N: 2283436.81 E: 451900.42
YD-44	12" AREA DRAIN	17.65'	12.04' N 12.04' S	8"	N: 2283405.96 E: 451907.07
YD-45	12" AREA DRAIN	16.87'	11.70' N 11.70' E	8"	N: 2283373.07 E: 451917.47
YD-46	12" AREA DRAIN	17.90'	11.04' W 11.04' NE	8"	N: 2283372.22 E: 451983.82
YD-47	12" AREA DRAIN	16.32'	11.18' NW	8"	N: 2283345.47 E: 451457.29
YD-48	12" AREA DRAIN	16.27'	11.40' SE	8"	N: 2283252.28 E: 451469.79
YD-49	12" AREA DRAIN	16.36'	11.24' SE	8"	N: 2283244.18 E: 451542.99
YD-50	12" AREA DRAIN	16.38'	11.50' NW	8"	N: 2283257.98 E: 451529.18

8455 Merchants Way, Ste. 102  
Jacksonville, Florida 32222  
www.chw-inc.com  
est. 1988 FLORIDA CA-3075

**CHW**  
Professional Consultants

17-0279.01

DATE: 11/17/23 - FIRST SUBMITTAL  
5/26/23 - SECOND SUBMITTAL

DESIGNER: DAVIS & SONS  
PROJECT: MILLS CREEK PRESERVE PHASE 2  
SHEET TITLE: MASTER GRADING AND DRAINAGE PLAN

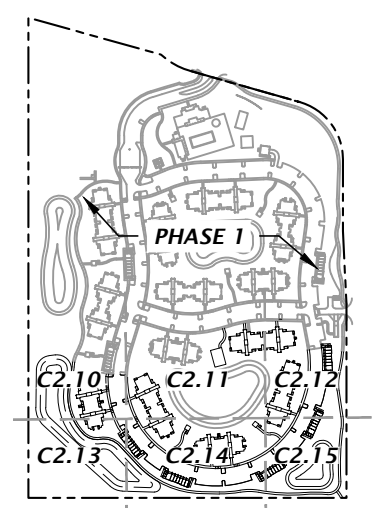
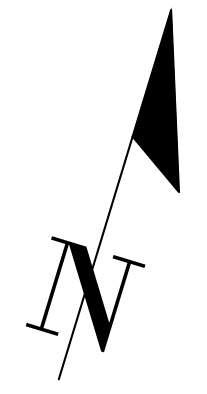
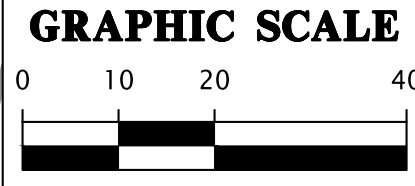
PROJECT ENGINEER: K. MERRITT  
QUALITY CONTROL: M. MASON  
D. YOUNG  
PROJECT NUMBER: 17-0279.01

Mitchell G. Mason, P.E.  
State of Florida, Professional Engineer, License No. 92335  
This item has been digitally signed and sealed by Mitchell G. Mason, P.E. on the date indicated here: 10/20/2023  
Printed copies of this document are not considered signed and sealed by the signature must be verified on any electronic copies.

FL PE No. 92335  
SHEET NO. **C2.00**



Text: gmp; Plot Date: 01/12/2023 12:37pm; Filename: L:\2017\17-0279\Engineering\DWG\Production\17-0279\_P02.dwg



**STORMWATER STRUCTURE TABLE**

STRUCTURE:	STRUCTURE TYPE	TOP	INVERT ELEV	PIPE DIA.	NORTHING & EASTING
S-303	TYPE 'C' INLET PER FDOT INDEX NO. 425-052*	15.60'	9.33' E 9.33' SE 10.00' NW	18"	N: 2283291.64 E: 451367.83
S-304	TYPE 'I' INLET PER FDOT INDEX NO. 425-053*	14.54'	9.60' W 10.85' NE	18"	N: 2283297.28 E: 451418.69
S-315	TYPE 'C' INLET PER FDOT INDEX NO. 425-052*	13.00'	9.83' N	24"	N: 2283378.42 E: 451163.77
S-316	24" FLARED END SECTION PER FDOT INDEX NO. 430-020	N/A	7.50' S	24"	N: 2283446.25 E: 451164.06

**NOTES:**

- \* REFER TO FDOT INDEX 425-001 AND 425-010 FOR ADDITIONAL INFORMATION AS REQUIRED PER STRUCTURE.
- REFER TO SHEET C2.00 FOR YARD DRAIN (YD-\*\*) STRUCTURE INFORMATION.

**SMF-3**  
MIN TOP = 14.00-FT  
MIN BOT = 7.00-FT  
DHW (25YR-24HR) = 13.37

**BLDG 5 (TYPE B)**  
FFE=17.00

MATCHLINE C2.11

MATCHLINE C2.13

845E Merchants Way, Ste. 102  
Jacksonville, Florida 32222  
www.chw-inc.com  
904.769.8521  
www.chw-inc.com  
est. 1988 FLORIDA  
CA-3075

**CHW**  
Professional Consultants

SCALE: 1"=20'  
VERIFY SCALE ON ORIGINAL DRAWING  
IF ANY SCALE INCONSISTENCIES ARE FOUND, THIS SHEET ADJUST SCALES ACCORDINGLY.

CONTRACTOR'S PROVISIONS  
DATE: 5/17/23 - FIRST SUBMITTAL  
5/26/23 - SECOND SUBMITTAL

CLIENT: DAVIS & SONS  
PROJECT: MILLS CREEK PRESERVE PHASE 2

DESIGNER: K. MERRITT  
PROJECT ENGINEER: M. MASON  
QUALITY CONTROL: D. YOUNG  
PROJECT NUMBER: 17-0279.01

MITCHELL G. MASON  
Mitchell G. Mason, P.E.  
State of Florida, Professional Engineer, License No. 92335  
This item has been digitally signed and sealed by Mitchell G. Mason, P.E., on the date indicated here: 10/25/2023

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

FL PE No. 92335  
SHEET NO. C2.10