

DEVELOPMENT PLANS FOR GREEN COVE SPRINGS PUBLIC WORKS COMPOUND

SECTION 38, TOWNSHIP 6 SOUTH, RANGE 26 EAST

SUBMITTED TO

**ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
CITY OF GREEN COVE SPRINGS PUBLIC WORKS DEPARTMENT
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**

DEVELOPER

CITY OF GREEN COVE SPRINGS
321 WALNUT STREET
GREEN COVE SPRINGS, FL 32403
(904) 297-7500

OWNERS

CITY OF GREEN COVE SPRINGS
321 WALNUT STREET
GREEN COVE SPRINGS, FL 32403
(904) 297-7500

ENGINEER OF RECORD

TRAVIS J. HASTAY, P.E.
CHW
11801 RESEARCH DRIVE
ALACHUA, FL 32615
(352) 331-1976

SURVEYOR OF RECORD

KEVIN W. HEWETT, P.S.M.
CHW
11801 RESEARCH DRIVE
ALACHUA, FL 32615
(352) 331-1976

DEVELOPMENT DATA:

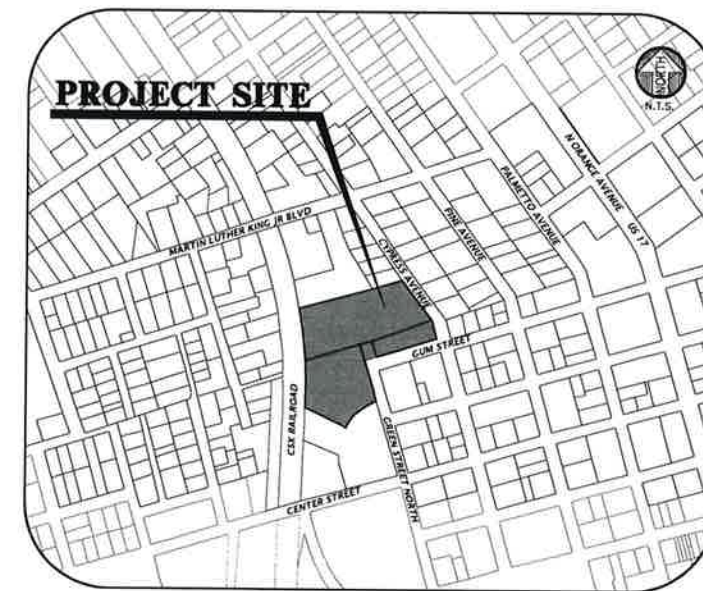
	ON-SITE	
DEVELOPMENT AREA:	204,366 S.F.	4.69 AC
BUILDING AREA:	41,535 S.F.	20.3%
ROADS/CURB/CONCRETE:	95,829 S.F.	46.9%
IMPERVIOUS AREA:	137,364 S.F.	67.2%
OPEN SPACE:	44,193 S.F.	21.6%
PARKING SPACES:	40	
LEGAL DESCRIPTION: REFER TO SURVEY		

SHEET INDEX

SHEET NUMBER	DESCRIPTION
CO.00	COVER SHEET AND INDEX
CO.10	GENERAL NOTES
CO.11	LEGEND
1 OF 1	TOPOGRAPHIC SURVEY
CO.20	STORMWATER POLLUTION PREVENTION NOTES
CO.21	STORMWATER POLLUTION PREVENTION PLAN
CO.30	DEMOLITION AND TREE PROTECTION PLAN
C1.00	MASTER SITE PLAN
C1.10 - C1.12	DETAILED SITE AND HORIZONTAL CONTROL PLAN
C2.00	MASTER GRADING AND DRAINAGE PLAN
C2.10 - C2.12	DETAILED GRADING AND DRAINAGE PLAN
C2.20	STORMWATER MANAGEMENT FACILITY PLAN AND DETAILS
C2.30	CONSTRUCTION DETAILS
C3.00	MASTER UTILITY PLAN
C3.10 - C3.12	DETAILED UTILITY PLAN
LS-1 - LS-2	LANDSCAPE PLANS



VICINITY MAP



LOCATION MAP

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N/A
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DRAWINGS
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LARGER
SCALE ACCORDINGLY.

IDENTIFICATION NUMBER
1/31/2022 - SUBMITTAL TO GREEN COVE SPRINGS AND ST. JOHNS RIVER
7/20/2022 - RESUBMITTAL TO GREEN COVE SPRINGS AND ST. JOHNS RIVER

CITY OF GREEN COVE SPRINGS
GREEN COVE SPRINGS PW COMPOUND
MASTER PLAN IMPLEMENTATION
SHEET TITLE
COVER SHEET AND INDEX

21-0513

FL PE No. 84295

CO.00

ABBREVIATIONS

SYMBOLS		N	
—	FEET (WHEN USED WITH LENGTHS)	N	NORTH
°	DEGREES	N/E	NORTHING / EASTING
'	MINUTES (WHEN USED WITH ANGLES)	N/A	NOT APPLICABLE
"	SECONDS	NAD	NORTH AMERICAN VERTICAL DATUM OF 1983
%	PERCENT	NGVD	NATIONAL GEODETIC VERTICAL DATUM OF 1929
AT	AT	NO	NUMBER
A		NPDES	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
AASTHO	ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS	NTS	NOT TO SCALE
AC	ACRES		
ADA	AMERICAN WITH DISABILITIES ACT	ID	ON CENTER
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	OC	ON CENTER
ARCH	ARCHITECT	OHW	OVERHEAD WIRE
ARV	AIR RELEASE VALVE	ORB	OFFICIAL RECORDS BOOK
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
AWWA	AMERICAN WATER WORKS ASSOCIATION		
B		P	PAVEMENT
BC	BACK OF CURB	PC	POINT OF CURVATURE
BP	BACKFLOW PREVENTER	PCC	POINT OF COMPOUND CURVE
BLDG	BUILDING	PE	POLYETHYLENE
BM	BENCHMARK	PERF	PERFORATED
BMP	BEST MANAGEMENT PRACTICE	PROP	PROPOSED
BOC	BACK OF CURB	PT	POINT OF TANGENCY
BVC	BEGIN VERTICAL CURVE STATION	PVC	POLYVINYL CHLORIDE
BVCE	BEGIN VERTICAL CURVE ELEVATION	PUE	PUBLIC UTILITY EASEMENT
BW	BOTTOM OF WALL	PVI	POINT OF VERTICAL INTERSECTION
BSL	BUILDING SETBACK LINE		
C		R	RAISED
CATV	CABLE TELEVISION	RCP	REINFORCED CONCRETE PIPE
CI	CURB INLET	RPM	RAISED REFLECTIVE PAVEMENT MARKER
CIP	CAST IRON PIPE	RPZ	REDUCED PRESSURE ZONE
CLDIP	CEMENT LINE DUCTILE IRON PIPE	RT	RIGHT
CMP	CORRUGATED METAL PIPE	R/W	RIGHT-OF-WAY
CO	CLEANOUT		
CC	CONCRETE	S	SOUTH
COORD	COORDINATE	SAN	SANITARY
CR	COUNTY ROAD	SHWE	SEASONAL HIGH WATER ELEVATION
C/D	CLEANOUT	SF	SILT FENCE
D		SL	SLOPE
DBH	DIAMETER AT BREAST HEIGHT	SP	SUPERPAVE
DE	DRAINAGE EASEMENT	SR	STATE ROAD
DEG	DEGREE	SS	SANITARY SEWER
DIR	DIAMETER	ST	STORM
DP	DUCTILE IRON PIPE	STA	STATION
DWG	DRAWING	STD	STANDARD
E		T	TEMPORARY
E	EAST	TR	TREE BARRICADE
EA	EACH	TCE	TEMPORARY CONSTRUCTION EASEMENT
EL	ELEVATION	TEMP	TEMPORARY
ELEV	ELEVATION	TOR	TOP OF BANK
EOP	EDGE OF PAVEMENT	TV	TELEVISION
EOR	ENGINEER OF RECORD	TW	TOP OF WALL
ERCP	ELLIPTICAL REINFORCED CONCRETE PIPE	TYP	TYPICAL
ESMT	EASEMENT		
EVCS	END VERTICAL CURVE STATION	U	UNITED STATES
EVCE	END VERTICAL CURVE ELEVATION	USF	UNITED STATES FOUNDRY
EX	EXISTING	USGS	UNITED STATES GEOLOGICAL SURVEY
F		UTL	UTILITY
FAC	FLORIDA ADMINISTRATIVE CODE	V	VERTICAL
FBR	FLORIDA BEARING RATIO	VC	VERTICAL CURVE
FC	FRICTION COEFFICIENT	VCP	VITRIFIED CLAY PIPE
FDEP	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION		
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION	W	WEST
FPE	FINISHED FLOOR ELEVATION	W	WATER
FP	FIRE HYDRANT	W	WITH
FWHA	FLORIDA HIGHWAY ADMINISTRATION	WM	WATER MAIN
FIG	FIGURE	WW	WASTEWATER
FM	FORCE MAIN	WWF	WELDED WIRE FABRIC
FDC	FACE OF CURB		
FS	FLORIDA STATUTES		
FT	FEET		
G			
GALV	GALVANIZED		
GM	GAS MAIN		
GV	GATE VALVE		
H			
HDPE	HIGH DENSITY POLYETHYLENE		
HP	HIGH POINT		
I			
ID	IDENTIFICATION		
INV	INVERT		
INV EL	INVERT ELEVATION		
IP	IRON PIPE		
K			
K	VERTICAL CURVE RATE OF CHANGE		
L			
L	LENGTH		
LA	LANDSCAPE ARCHITECT		
LB	LEMERDECK BEARING RATIO		
LDR	LAND DEVELOPMENT REGULATION		
LF	LINEAR FEET		
LP	LOW POINT		
LT	LEFT		
M			
MAX	MAXIMUM		
ME	MATCH EXISTING		
MI	MINIMUM		
MISC	MISCELLANEOUS		
MJ	MECHANICAL JOINT		
MUTCD	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. 700-010. SIGN PLACEMENT SHALL BE PER FDOT INDEX NO. 700-101.

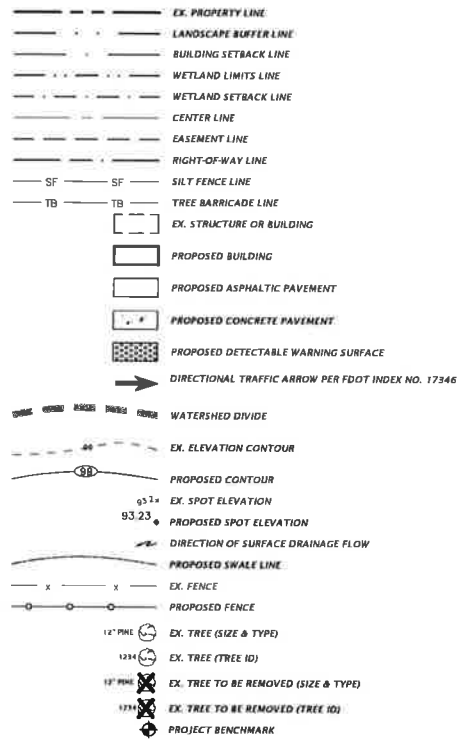


FTP-20-06 (12' x 18') PER FDOT INDEX NO. 700-102



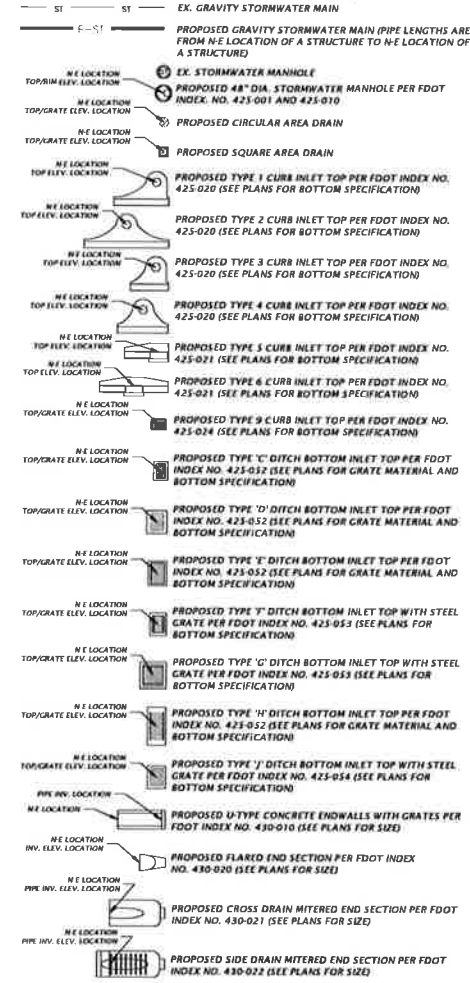
R1-1 "STOP" - SEE PLANS FOR SIZE

SITE INFORMATION

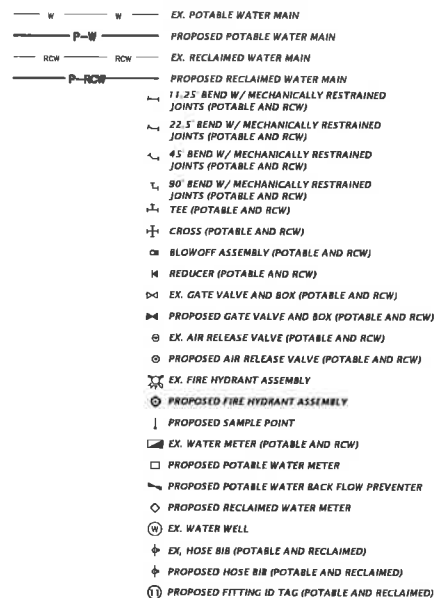


STORMWATER

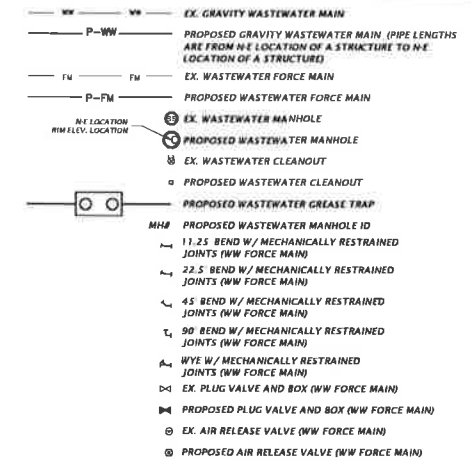
THE PROPOSED STORMWATER STRUCTURES DEPICTED BELOW ARE DRAWN PER FOOT SPECIFICATIONS AND TO SCALE WHEN SHOWN ON THE PLAN SHEETS.



POTABLE AND RECLAIMED WATER

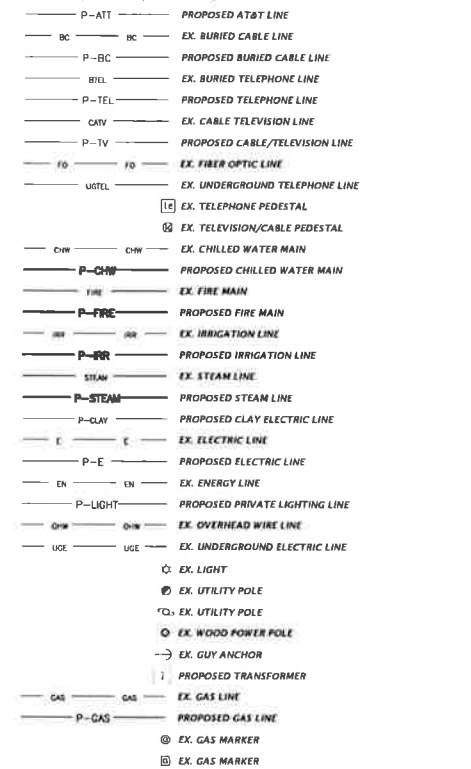


WASTEWATER



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.

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SCALE
 1" = 10' (VERTICAL)
 1" = 40' (HORIZONTAL)

DATE: 7/20/2022
 SUBMITTED TO GREEN COVE SPRINGS (NO. 1705) AND SR9405
 7/20/2022 - SUBMITTED TO GREEN COVE SPRINGS (NO. 1705) AND SR9405

CITY OF GREEN COVE SPRINGS
 GREEN COVE SPRINGS (NO. 1705) AND SR9405
 MASTER PLAN IMPLEMENTATION

PROJECT NUMBER
21-0513

DESIGNER
 T. HASTAY

CHECKER
 TRAVIS J. HASTAY

SCALE
 1" = 40'

SHEET NO.
C0.11

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: CLAY COUNTY, FLORIDA
SECTION, TOWNSHIP, RANGE: SECTION 38, TOWNSHIP 6 SOUTH, RANGE 26 EAST
COUNTY PARCEL NO.: 38 08 26 017178 000 00; 38 06 26 0178 19 000 00; AND 38 06 26 017341 000 00

A. NATURE OF CONSTRUCTION ACTIVITY

THE PROPOSED DEVELOPMENT IS THE IMPROVEMENT OF THE EXISTING PUBLIC WORKS COMPOUND WITH ADDITIONAL BUILDINGS AND ASSOCIATED PAVEMENT FOR DRIVEWAYS AND PARKING, SIDEWALKS, UTILITIES, AND STORMWATER MANAGEMENT FACILITIES...

B. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES - CONTRACTOR MUST FILL IN DAYS

FROM TO 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...

C. SITE DEVELOPMENT DATA

Table with 2 columns: Category and Value. Includes Total Project Site Area (4.69 ACRES), Total Site Area to be Disturbed (4.69 ACRES), Total Impervious Area (8.15 ACRES), Total Detention Volume (1.14 ACRE-FEET), and Total Open Area (1.01 ACRES).

D. SOIL CONDITIONS AND STORMWATER QUALITY

THE NRCS DATA FOR THE SITE REVEALS THAT THE SITE SOILS ARE COMPRISED OF LEON FINE SAND AND PELHAM FINE SAND. THE SAME GEOTECHNICAL DESIGN PARAMETERS FOR A WET BASIN WERE USED AS WAS PREVIOUSLY PERMITTED UNDER SJRWMD ERP #5744.3.

THE STORMWATER MANAGEMENT FACILITY(S) WAS DESIGNED TO PROVIDE RATE CONTROL AND WATER QUALITY TREATMENT OF THE STORMWATER RUNOFF RESULTING FROM THE POST-DEVELOPMENT SITE UNDER 24-HOUR CRITICAL STORM EVENT RAINFALL CONDITIONS...

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), and 24-Hour Flood Elevation (FT). Row 1: SMF-1, 4.69, 94, 3.75, WET RETENTION, 1.14, 17.18.

E. SITE MAP

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

F. STORMWATER OUTFALL LOCATION AND RECEIVING WATER BODY

THE STORMWATER MANAGEMENT FACILITY #1 OUTFALL STRUCTURE IS LOCATED AT THE EAST PORTION OF THE PROJECT (29°59'45.47"N, 81°41'1.40"W) AND THE ASSOCIATED RECEIVING WATER BODY IS ST. JOHNS 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). TYPE III SILT FENCING SHALL PROTECT ALL DRAINAGE STRUCTURES AND SILT BUFFER AREAS WITH POTENTIAL TO CONTRIBUTE OFF-SITE RUNOFF...

B. STRUCTURE PRACTICES

AS DEPICTED IN THE STORMWATER POLLUTION PREVENTION PLAN (CO-21), A STORMWATER MANAGEMENT SYSTEM WILL BE CONSTRUCTED AND WILL BE COMPRISED OF A WET RETENTION FACILITY 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

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 4.69 ACRES OF DISTURBED CONSTRUCTION AREA...

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

NOT APPLICABLE, SEE SECTION C, ABOVE.

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) FOR DETAILS AND LOCATIONS.

C. EXISTING VERSUS PROPOSED POTABLE AND SANITARY SEWER SYSTEMS

THERE ARE EXISTING SANITARY SEWER AND POTABLE WATER SYSTEMS LOCATED ON THE PROJECT SITE. EXTENSION AND UPGRADES ARE PROPOSED. 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 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...

ALL PRODUCTS SHALL BE USED IN STRICT COMPLIANCE WITH THE INSTRUCTIONS ON THE 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:

- CITY OF GREEN COVE SPRINGS
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. FOR POINTS OF DISCHARGE INTO SURFACE WATERS OF THE STATE OR AN MS4, A QUALIFIED INSPECTOR (PROVIDED BY THE OPERATOR) SHALL PERFORM THE REQUIRED INSPECTIONS...

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. 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-CRONTACTORS SHALL PHOTOCOPY 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 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 (DEP FORM 62-621.300(8)), SIGNED IN ACCORDANCE WITH PART VII.C OF DEP DOCUMENT NO. 62-621.300(8)(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...

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

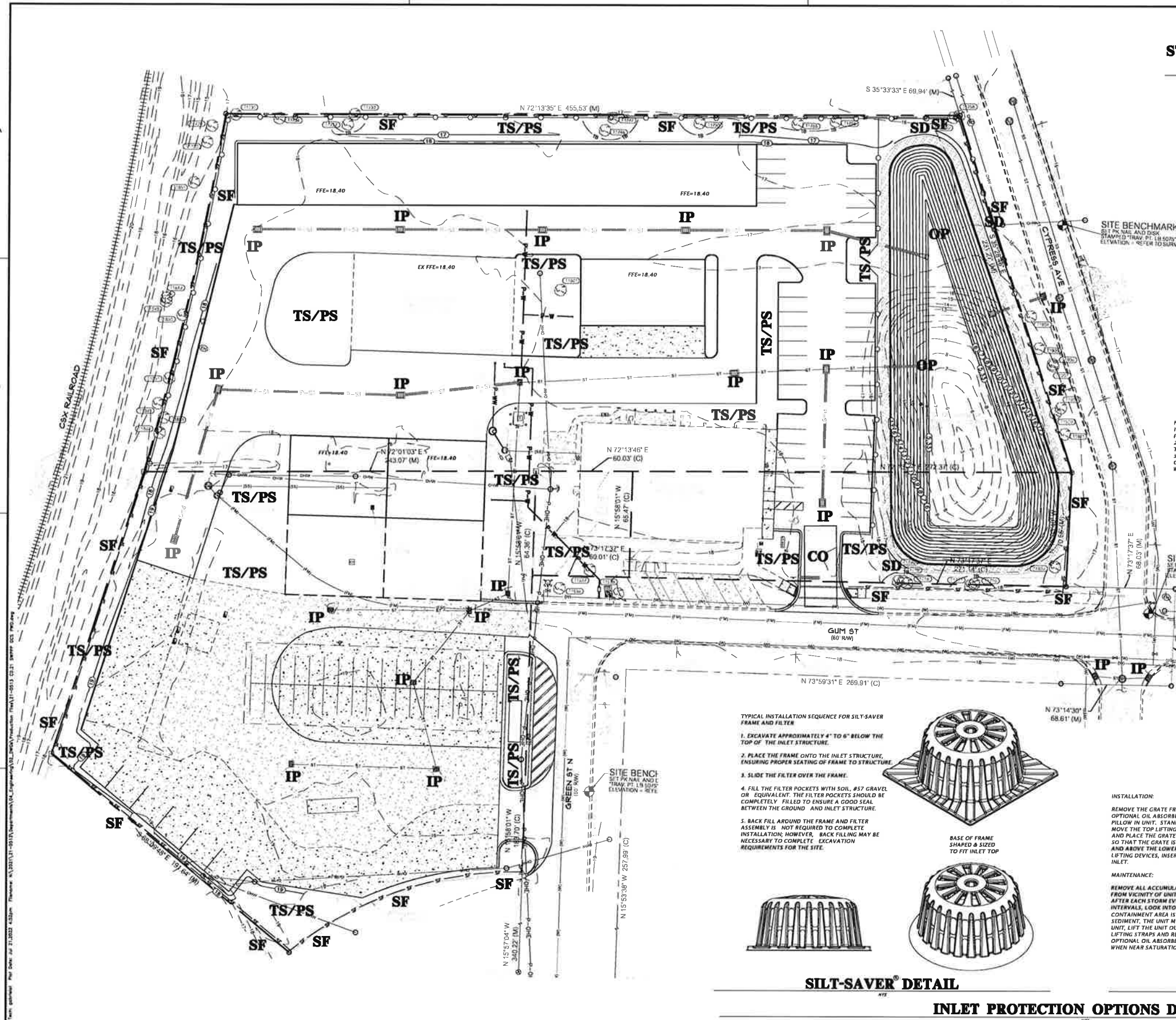
NPDES STORMWATER NOTICES CENTER, MSP 2510
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32399-2400

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.

Contractor/Subcontractor Certification Statement
Stormwater Pollution Prevention Plan
Site Name: GREEN COVE SPRINGS PUBLIC WORKS COMPOUND
Site Location: 900 GUM STREET, GREEN COVE SPRINGS, FL 32043

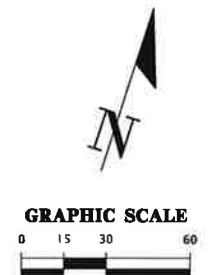
Table with 5 columns: DATE, RESPONSIBLE INDIVIDUAL'S NAME, RESPONSIBLE INDIVIDUAL'S SIGNATURE, TITLE, COMPANY NAME, ADDRESS, AND PHONE NUMBER.

Vertical sidebar containing CH2M logo, project details, and permit information. Includes text: '11001 Revised Stormwater Pollution Prevention Plan (6/2013)', 'www.ch2m-hill.com', 'FLORIDA CA-3075', 'CITY OF GREEN COVE SPRINGS', 'ST. JOHNS RIVER WATER MANAGEMENT DISTRICT', 'FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION', '21-0513', 'FL DE No. #4795', 'CO.20'.



STORMWATER POLLUTION PREVENTION LEGEND

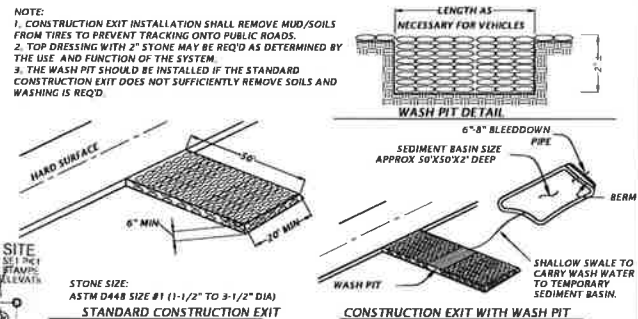
- TS** = TEMPORARY SEEDING
- PS** = PERMANENT SEEDING
- ML** = MULCHING
- SD** = SOD STABILIZATION
- SF** = SILT BARRIER
- TB** = TREE BARRIER
- IP** = INLET PROTECTION
- OP** = OUTLET PROTECTION
- CO** = CONSTRUCTION ENTRANCE/EXIT



BASIN EROSION & SEDIMENTATION CONTROL

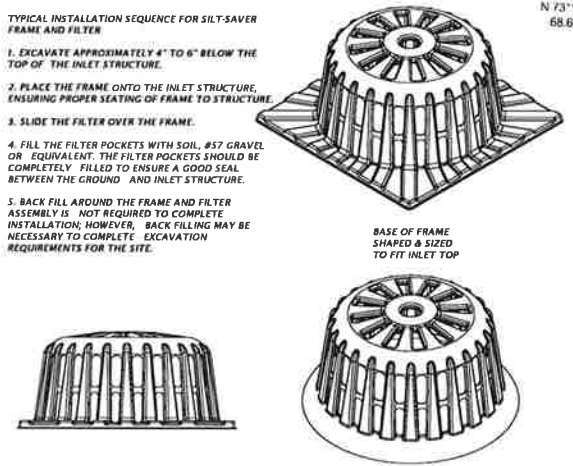
1. SILT FENCING AND/OR STAKED HAYBALES SHALL BE CONSTRUCTED WHERE SHOWN ON THE DRAWINGS PRIOR TO STARTING CONSTRUCTION.
2. ALL STORMDRAIN INLETS SHALL BE PROTECTED DURING CONSTRUCTION IN ACCORDANCE WITH FDOT STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL.
3. THE DRAINAGE BASINS 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 SECTION 570 OF THE STANDARD SPECIFICATIONS. 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.

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.



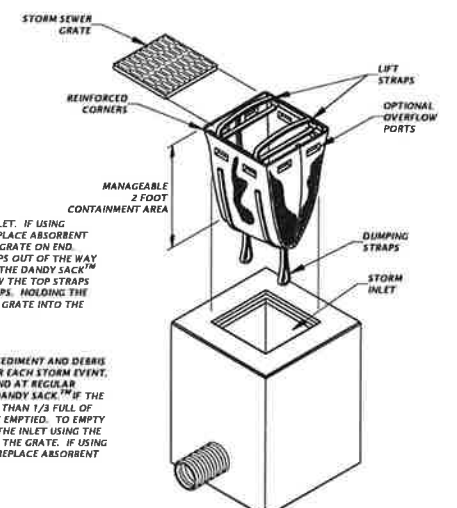
TEMPORARY CONSTRUCTION EXIT DETAIL

- TYPICAL INSTALLATION SEQUENCE FOR SILT-SAVER FRAME AND FILTER**
1. EXCAVATE APPROXIMATELY 4" TO 6" BELOW THE TOP OF THE INLET STRUCTURE.
 2. PLACE THE FRAME ONTO THE INLET STRUCTURE, ENSURING PROPER SEATING OF FRAME TO STRUCTURE.
 3. SLIDE THE FILTER OVER THE FRAME.
 4. FILL THE FILTER POCKETS WITH SOIL, #17 GRAVEL OR EQUIVALENT. THE FILTER POCKETS SHOULD BE COMPLETELY FILLED TO ENSURE A GOOD SEAL BETWEEN THE GROUND AND INLET STRUCTURE.
 5. 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 PILLOW 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

11801 Research Drive
 Alachua, FL 32310-1075
 www.ch2m-hill.com
 Florida
 CA-2015

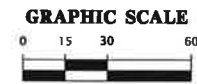
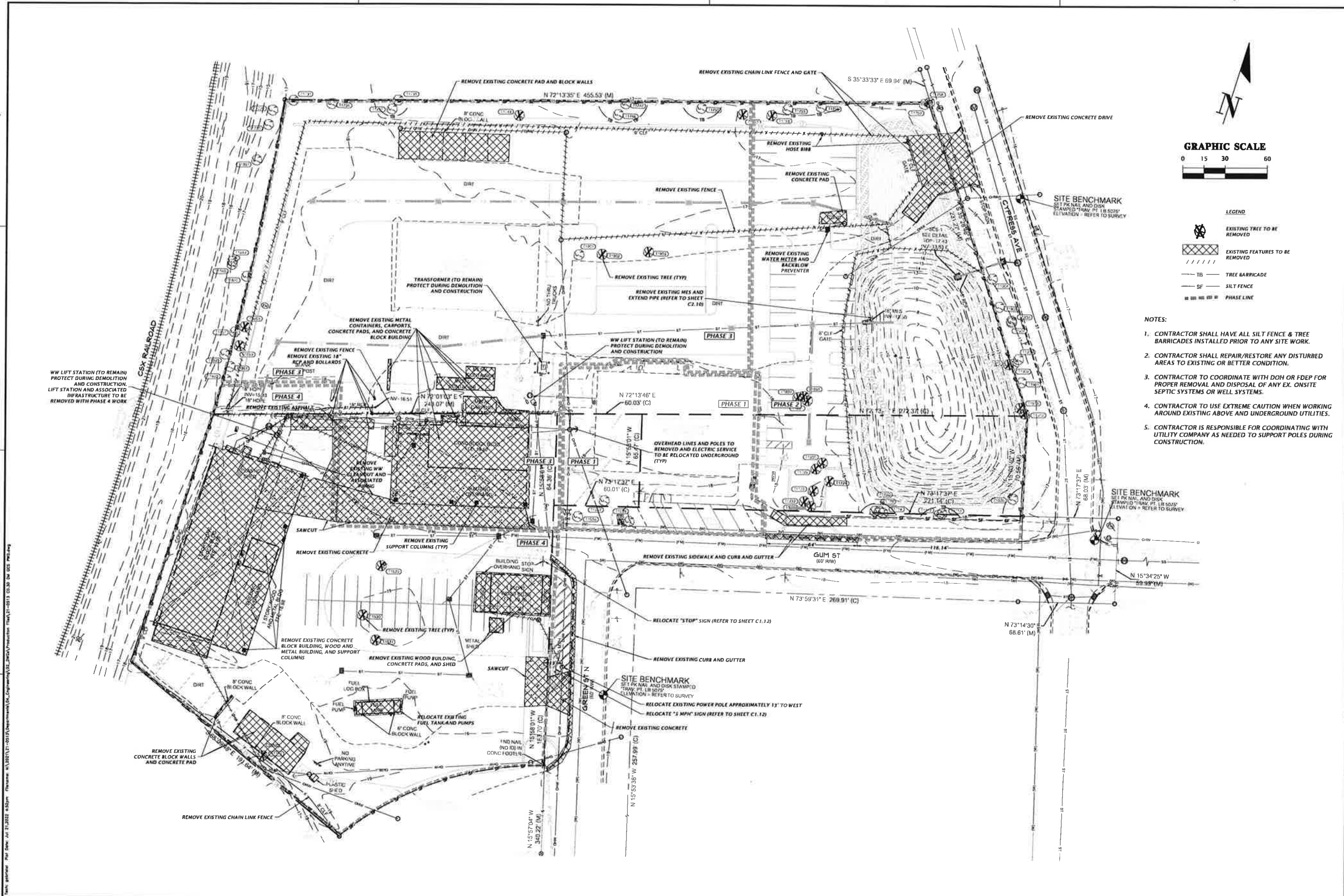
CH2M HILL
 Professional Consultants

SCALE: 1"=30'
 VERIFY SCALE
 IN ALL DIMENSIONS
 UNLESS OTHERWISE
 SPECIFIED
 SCALE ACCEPTABLE

DATE: 12/15/2022
 PROJECT: GREEN COVE SPRINGS, FLORIDA
 DRAWING: MASTER PLAN/INSTALLATION
 SHEET NO.: 21-0513
 PROJECT: STORMWATER POLLUTION PREVENTION PLAN

CLIENT: CITY OF GREEN COVE SPRINGS
 DESIGNER: K. HASTAY
 CHECKER: C. LEEGARD
 DATE: 12/15/2022

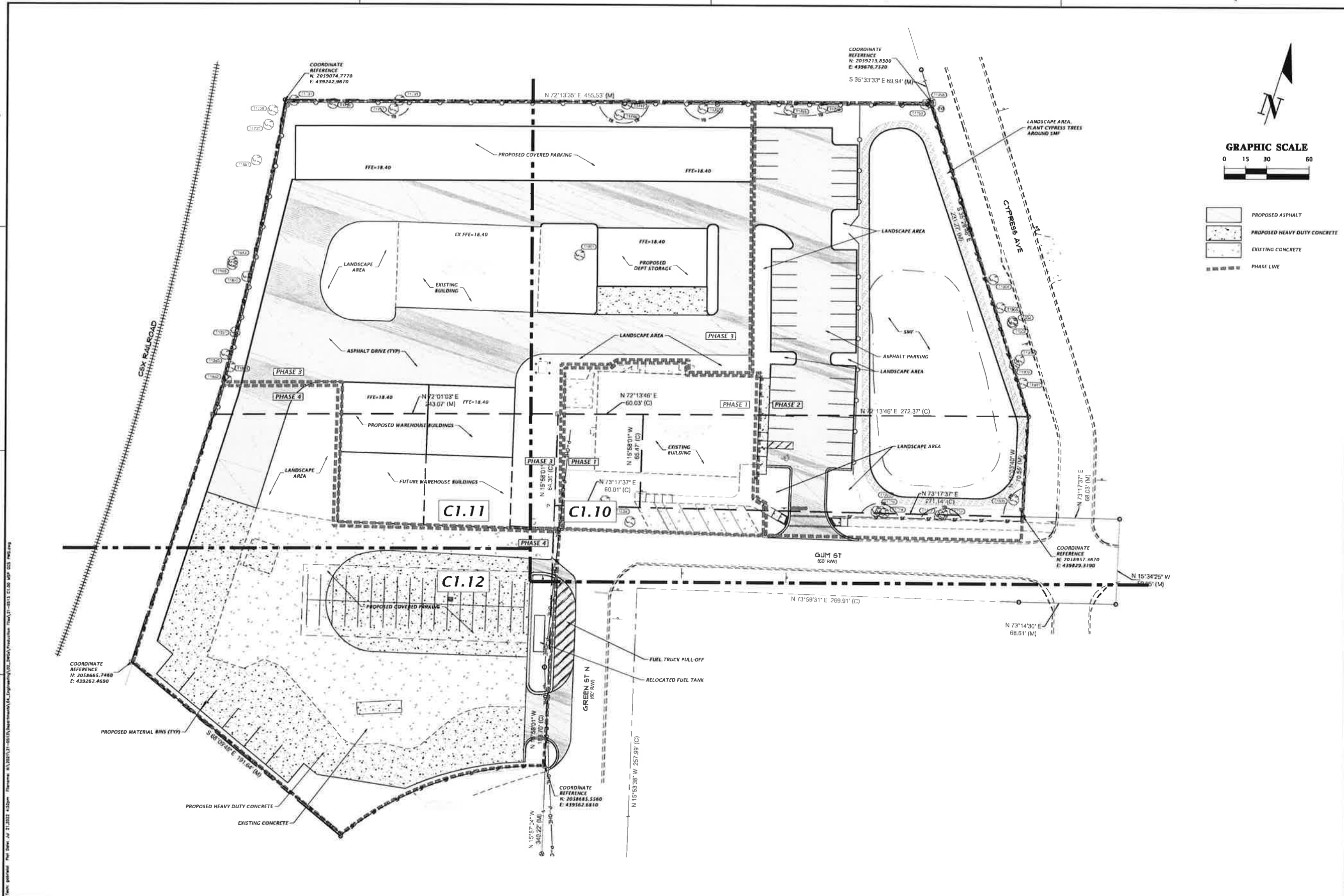
EL. PE. No. 84295
 1/4"=1' NO. C0.21



- LEGEND**
- EXISTING TREE TO BE REMOVED
 - EXISTING FEATURES TO BE REMOVED
 - TREE BARRICADE
 - SILT FENCE
 - PHASE LINE

- NOTES:**
1. CONTRACTOR SHALL HAVE ALL SILT FENCE & TREE BARRICADES INSTALLED PRIOR TO ANY SITE WORK.
 2. CONTRACTOR SHALL REPAIR/RESTORE ANY DISTURBED AREAS TO EXISTING OR BETTER CONDITION.
 3. CONTRACTOR TO COORDINATE WITH DOH OR FDEP FOR PROPER REMOVAL AND DISPOSAL OF ANY EX. ONSITE SEPTIC SYSTEMS OR WELL SYSTEMS.
 4. CONTRACTOR TO USE EXTREME CAUTION WHEN WORKING AROUND EXISTING ABOVE AND UNDERGROUND UTILITIES.
 5. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH UTILITY COMPANY AS NEEDED TO SUPPORT POLES DURING CONSTRUCTION.

1801 Research Drive Alachua, FL 32010 www.chw-inc.com est. 1961 FLORIDA CA-5075	
SCALE 1" = 30' VERIFY SCALE AND DIMENSIONS AGAINST ORIGINAL DRAWING THIS SCALE ADJUST TO MATCH ACCURACY.	CONTRACTOR'S EXEMPTION SUBMITTED TO GREEN COVE SPRINGS AND FDEP AND DENIED 7/20/2022 - RESUBMITTED TO GREEN COVE SPRINGS AND FDEP AND GRANTED
CLIENT CITY OF GREEN COVE SPRINGS PROJECT GREEN COVE SPRINGS RV COMPOUND MASTER PLAN IMPLEMENTATION	PROJECT NUMBER 21-0513 DEMOLITION AND TREE PROTECTION PLAN
DRAWN BY K. HURBETT CHECKED BY C. LEDFORD PROJECT MANAGER T. HASTAY	
FL. PE. No. 84295 C0.30	



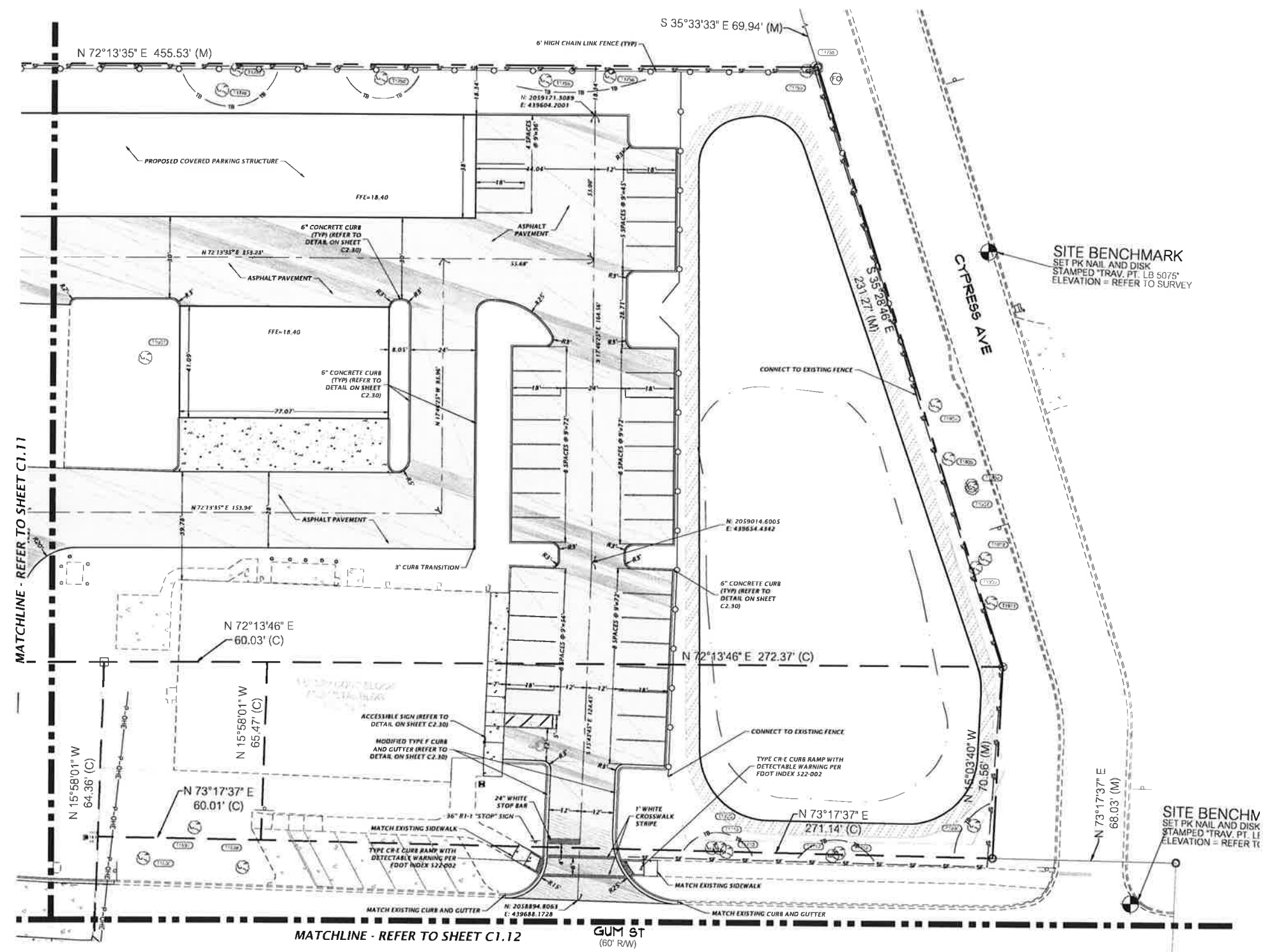
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- PROPOSED ASPHALT
- PROPOSED HEAVY DUTY CONCRETE
- EXISTING CONCRETE
- PHASE LINE

CHW PROFESSIONAL CONSULTANTS 11801 Research Drive Alachua, Florida 32615 Phone: 352-329-1100 www.chw-fl.com est. 1986 FLORIDA CA-5075	
PROJECT: CITY OF GREEN COVE SPRINGS, FLORIDA PROJECT: GREEN COVE SPRINGS, FLORIDA PROJECT: MASTER PLAN IMPLEMENTATION	SHEET TITLE: MASTER SITE PLAN SHEET NUMBER: 21-0513
CLIENT: CITY OF GREEN COVE SPRINGS PROJECT: GREEN COVE SPRINGS, FLORIDA PROJECT: MASTER PLAN IMPLEMENTATION PREPARED BY: TRAVIS J. HASTAY DATE: 04/11/2022	
21-0513 C1.00	

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 Plot Border: On
 Plot Border Color: Black
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 Plot Border Units: Feet
 Plot Border Precision: 2
 Plot Border Resolution: 300
 Plot Border Dither: On
 Plot Border Background: Off



GRAPHIC SCALE
 0 10 20 40

REFER TO SHEET C1.00 FOR COORDINATE REFERENCE LOCATIONS.

- PROPOSED HEAVY DUTY ASPHALT
- PROPOSED HEAVY DUTY CONCRETE
- EXISTING CONCRETE

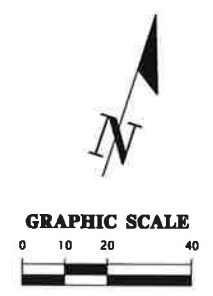
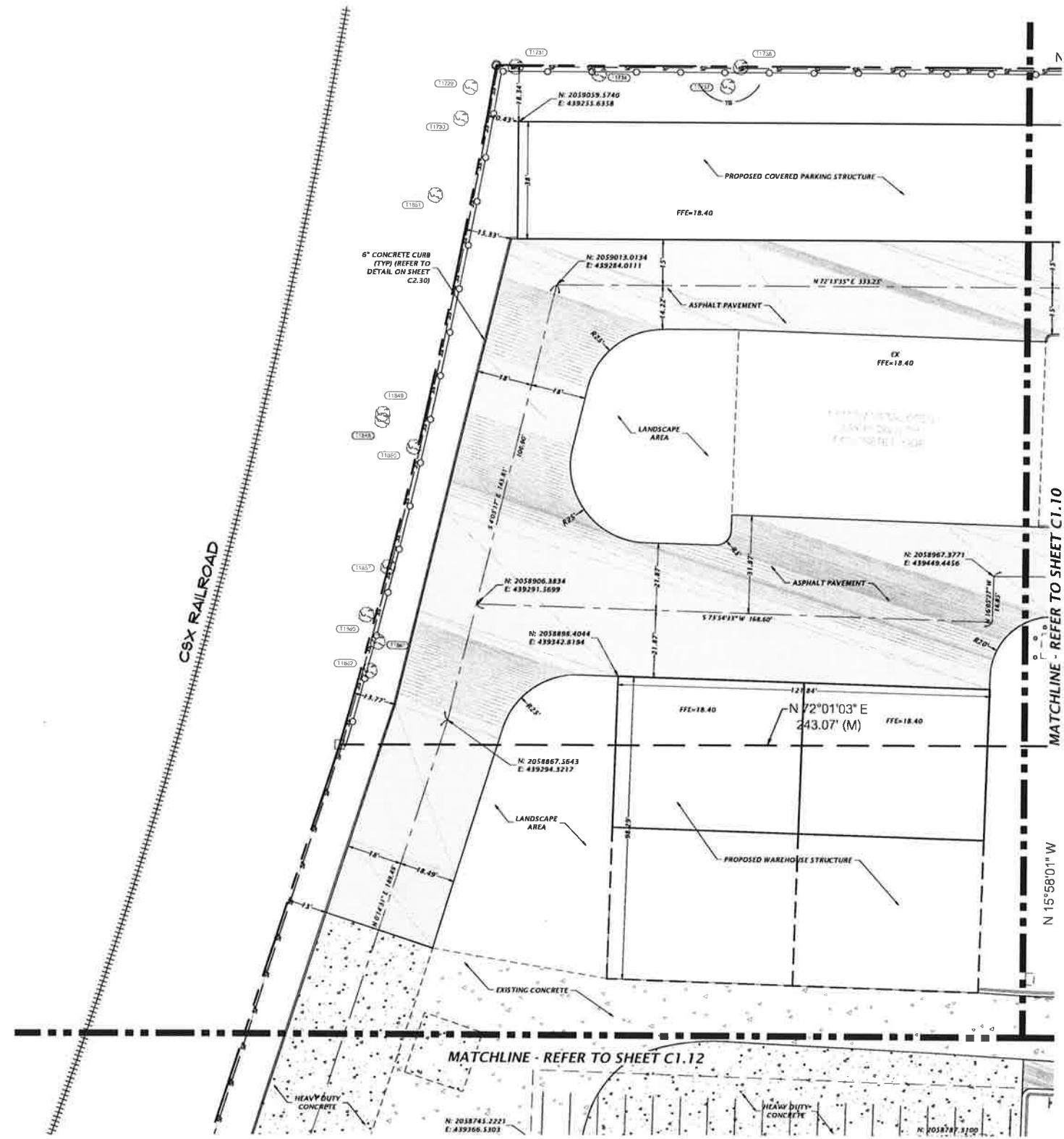
CHW
 Professional Consultants
 1800 Research Drive
 Alachua, Florida 32916
 www.chwinc.com
 est. 1988 FLORIDA CA-9075

PROJECT: CITY OF GREEN COVE SPRINGS
 GREEN COVE SPRINGS PK CONC'D MD MASTER PLAN IMPLEMENTATION
 SHEET: 21-0513
 DETAILED SITE AND HORIZONTAL CONFG. PLAN

DESIGNER: E. MERRITT
 CHECKER: C. LEDFORD
 PROJECT ENGINEER: T. HASTAY
 PROJECT NUMBER: 21-0513

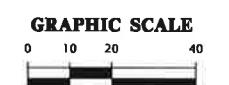
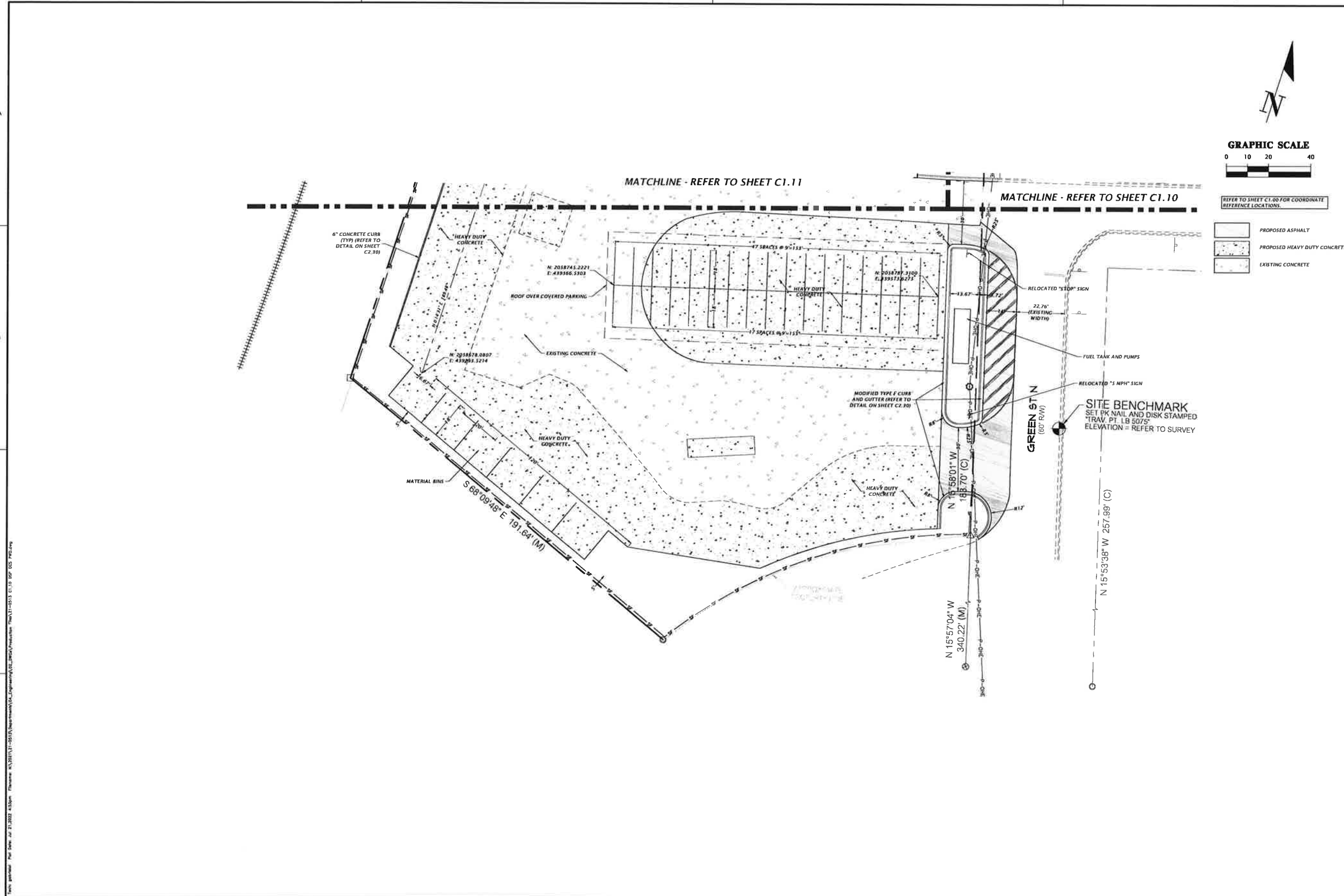
FL PE No. 84295
C1.10

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- REFER TO SHEET C1.00 FOR COORDINATE REFERENCE LOCATIONS.
- PROPOSED HEAVY DUTY ASPHALT
 - PROPOSED HEAVY DUTY CONCRETE
 - EXISTING CONCRETE

		PROFESSIONAL CONSULTANTS est. 1988 FLORIDA CA-5075	
18001 Research Drive Alachua, Florida 32615 Phone: 352-329-1234 www.chw-fl.com			
PROJECT NO: 21-0513	SHEET NO: C1.11	CLIENT: CITY OF GREEN COVE SPRINGS GREEN COVE SPRINGS RW CONCORD MASTER PLAN IMPLEMENTATION SHEET TITLE: DETAILED SITE AND HORIZONTAL CONCEPT PLAN	SUBMITTAL TO GREEN COVE SPRINGS AND CITY AND BOARD 7/20/2022 - RESUBMITTAL TO GREEN COVE SPRINGS NO. 1007 AND BOARD
DESIGNER: K. MERRITT CHECKER: C. LEEFORD QUALITY CONTROL: T. HASTAY PROJECT NUMBER: 21-0513	DRAWN BY: TRAVIS J. HASTAY	IDENTIFICATION NUMBER: 1"=40' VERIFY SCALE IN ORIGINAL DRAWING THIS SCALE IS FOR INFORMATION ONLY THIS SCALE IS NOT TO BE USED FOR CONSTRUCTION	

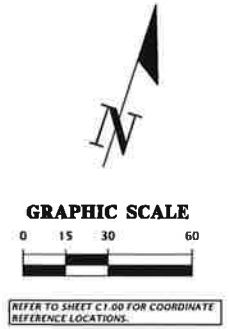
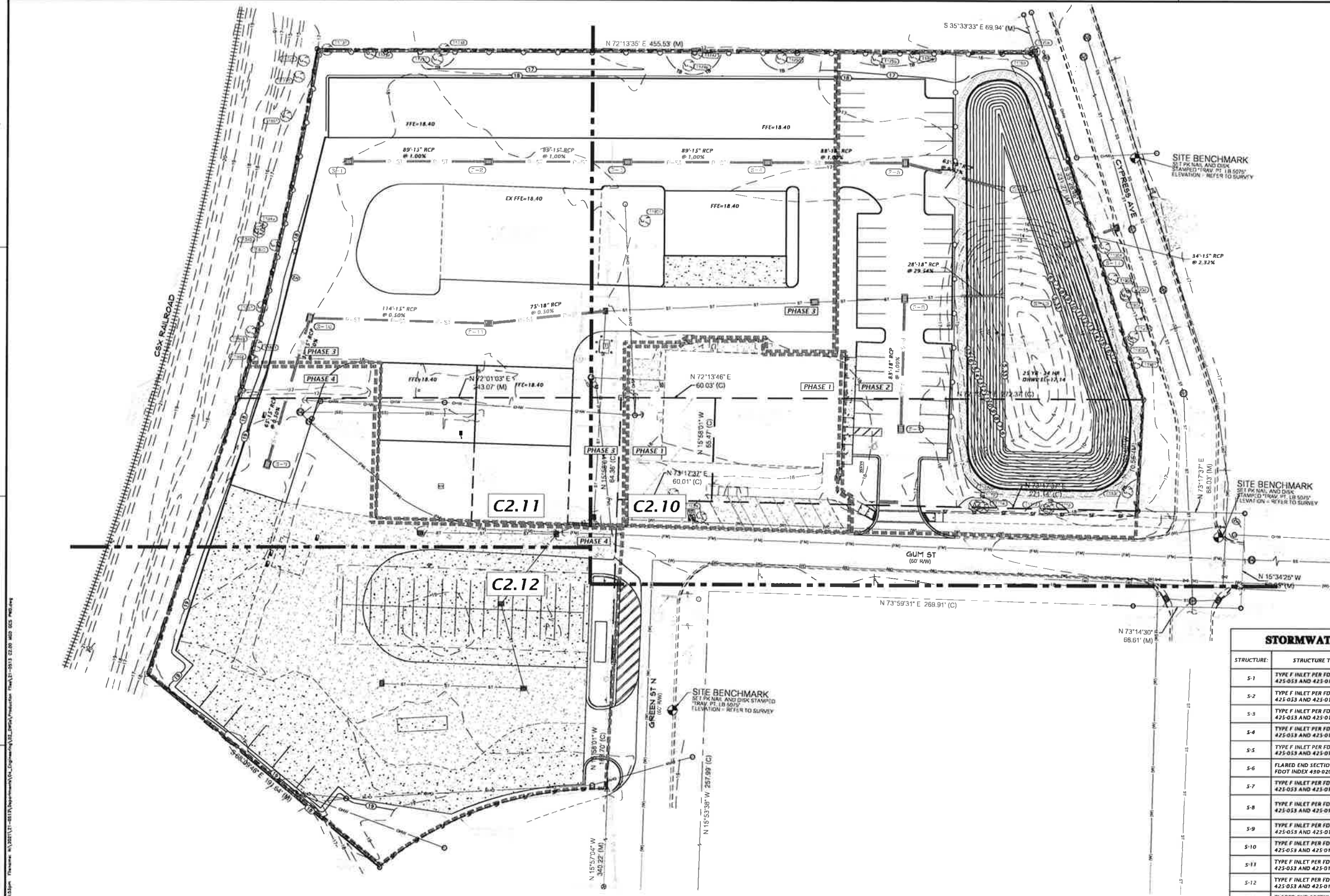


REFER TO SHEET C1.00 FOR COORDINATE REFERENCE LOCATIONS.

- PROPOSED ASPHALT
- PROPOSED HEAVY DUTY CONCRETE
- EXISTING CONCRETE

		1801 Research Drive Alachua, Florida 32615 (352) 331-1976 www.chwa-fl.com est. 1988 FLORIDA CA-5075
CHWA Professional Consultants		SCALE: 1"=20' UNITS: FEET AND INCHES METRIC EQUIVALENTS IN METERS AND MILLIMETERS UNITS ACCORDING TO STANDARD PRACTICE
DATE: 07/20/2022	CITY OF GREEN COVE SPRINGS GREEN COVE SPRINGS PW COMPOUND MASTER PLAN IMPLEMENTATION SHEET: DETAILED SITE AND HORIZONTAL CONTROL PLAN	
PROJECT NO: 21-0513	CITY OF GREEN COVE SPRINGS GREEN COVE SPRINGS PW, DEP. AND SURVAD 7/20/2022 - RESUBMITTAL TO GREEN COVE SPRINGS PW, DEP. AND SURVAD	
DESIGNER: K. MERRITT ENGINEER: C. LEOPOLD	PROJECT NUMBER: 21-0513	
TRAVIS J. HASTAY		PL. No. 84295 C1.12

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STORMWATER STRUCTURE TABLE					
STRUCTURE:	STRUCTURE TYPE	TOP	INVERT ELEV	PIPE DIA.	NORTHING & EASTING
S-1	TYPE F INLET PER FDOT INDEX 425-053 AND 425-010	17.81	15.30 E	15"	N: 2059018.01 E: 439784.01
S-2	TYPE F INLET PER FDOT INDEX 425-053 AND 425-010	17.81	14.42 W	15"	N: 2059039.97 E: 439988.10
S-3	TYPE F INLET PER FDOT INDEX 425-053 AND 425-010	17.81	13.54 W	15"	N: 2059088.92 E: 439452.16
S-4	TYPE F INLET PER FDOT INDEX 425-053 AND 425-010	17.80	12.65 W	15"	N: 2059094.07 E: 439536.68
S-5	TYPE F INLET PER FDOT INDEX 425-053 AND 425-010	17.00	11.77 W	18"	N: 2059120.83 E: 439620.38
S-6	FLARED END SECTION PER FDOT INDEX 430-020	N/A	5.33 W	18"	N: 2059124.62 E: 439685.17
S-7	TYPE F INLET PER FDOT INDEX 425-053 AND 425-010	17.25	14.36 N	18"	N: 2058960.70 E: 439669.73
S-8	TYPE F INLET PER FDOT INDEX 425-053 AND 425-010	17.00	13.73 W	18"	N: 2059039.44 E: 439846.47
S-9	TYPE F INLET PER FDOT INDEX 425-053 AND 425-010	18.76	16.36 N	15"	N: 2058815.16 E: 439794.10
S-10	TYPE F INLET PER FDOT INDEX 425-053 AND 425-010	18.42	15.88 S	15"	N: 2058911.89 E: 439791.21
S-11	TYPE F INLET PER FDOT INDEX 425-053 AND 425-010	17.60	15.31 W	15"	N: 2058942.76 E: 439599.97
S-12	TYPE F INLET PER FDOT INDEX 425-053 AND 425-010	17.50	14.05 W	18"	N: 2059019.46 E: 439592.71
S-13	FLARED END SECTION PER FDOT INDEX 430-020	N/A	5.33 W	18"	N: 2059060.77 E: 439706.18
S-14	OUTFALL STRUCTURE REFER TO SHEET C2.20 FOR DETAIL	19.29	14.00 NE	15"	N: 2059103.55 E: 439733.74

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Alachua, Florida 32615
www.ch2m-hill.com
est. 1986 FLORIDA CA-5075

CH2M HILL
Professionals Consultants

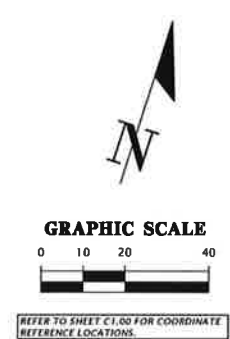
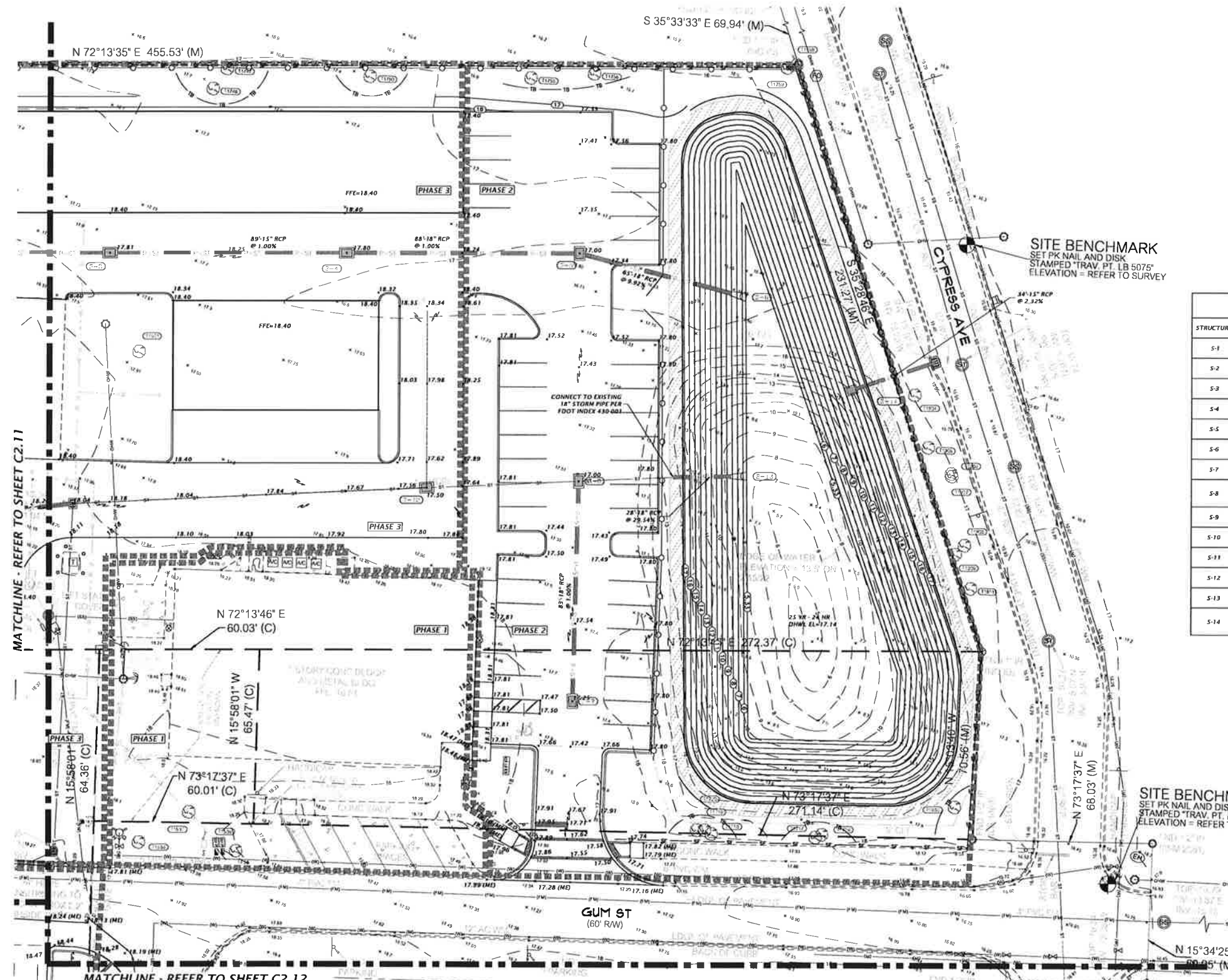
DATE: 7/21/2022
SCALE: 1"=30'

PROJECT: CITY OF GREEN COVE SPRINGS
PROJECT NO: 21-0513
SHEET NO: 21-0513
SHEET TITLE: MASTER GRADING AND DRAINAGE PLAN

EL. FILE NO. 84295

C2.00

Date: 7/21/2022 4:33pm
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 Plot Date: 7/21/2022 4:33pm
 Plot Path: D:\Projects\2021\21-0513\Drawings\C2\Grading\Production\21-0513_C2.00_MG_C2_P01.dwg



SITE BENCHMARK
 SET PK NAIL AND DISK
 STAMPED "TRAV PT. LB 5075"
 ELEVATION = REFER TO SURVEY

STORMWATER STRUCTURE TABLE					
STRUCTURE	STRUCTURE TYPE	TOP	INVERT ELEV	PIPE DIA.	NORTHING & EASTING
S-1	TYPE F INLET PER FDOT INDEX 425-053 AND 425-010	17.81	15.30 E	15"	N: 2059013.01 E: 439284.01
S-2	TYPE F INLET PER FDOT INDEX 425-053 AND 425-010	17.81	14.42 W	15"	N: 2059039.97 E: 439368.10
S-3	TYPE F INLET PER FDOT INDEX 425-053 AND 425-010	17.81	13.54 W	15"	N: 2059066.92 E: 439452.16
S-4	TYPE F INLET PER FDOT INDEX 425-053 AND 425-010	17.80	12.65 W	15"	N: 2059094.01 E: 439536.08
S-5	TYPE F INLET PER FDOT INDEX 425-053 AND 425-010	17.00	11.77 W	18"	N: 2059120.83 E: 439620.38
S-6	FLARED END SECTION PER FDOT INDEX 430-020	N/A	5.33 W	18"	N: 2059124.62 E: 439685.17
S-7	TYPE F INLET PER FDOT INDEX 425-053 AND 425-010	17.25	14.56 N	18"	N: 2058960.10 E: 439669.73
S-8	TYPE F INLET PER FDOT INDEX 425-053 AND 425-010	17.00	13.73 W	18"	N: 2059039.44 E: 439646.47
S-9	TYPE F INLET PER FDOT INDEX 425-053 AND 425-010	18.76	16.36 N	15"	N: 2058815.16 E: 439294.10
S-10	TYPE F INLET PER FDOT INDEX 425-053 AND 425-010	18.42	15.88 S	15"	N: 2058911.39 E: 439291.21
S-11	TYPE F INLET PER FDOT INDEX 425-053 AND 425-010	17.60	15.31 W	15"	N: 2058942.76 E: 439399.97
S-12	TYPE F INLET PER FDOT INDEX 425-053 AND 425-010	17.50	14.05 W	18"	N: 2059019.46 E: 439592.71
S-13	FLARED END SECTION PER FDOT INDEX 430-020	N/A	5.33 W	18"	N: 2059060.77 E: 439706.18
S-14	OUTFALL STRUCTURE REFER TO SHEET C2.20 FOR DETAIL	18.29	14.00 NE	15"	N: 2059103.55 E: 439733.74

SITE BENCHMARK
 SET PK NAIL AND DISK
 STAMPED "TRAV. PT. LI"
 ELEVATION = REFER TO SURVEY

MATCHLINE - REFER TO SHEET C2.11

MATCHLINE - REFER TO SHEET C2.12

1801 Research Drive
 Alachua, Florida 32615
 www.ch2m-hill.com
 est. 1966 **FLORIDA**
 CA-5075

CH2M HILL
 Professional Consultants

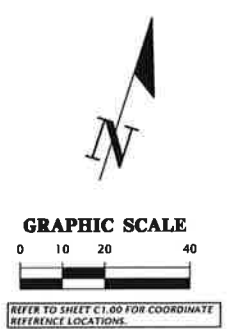
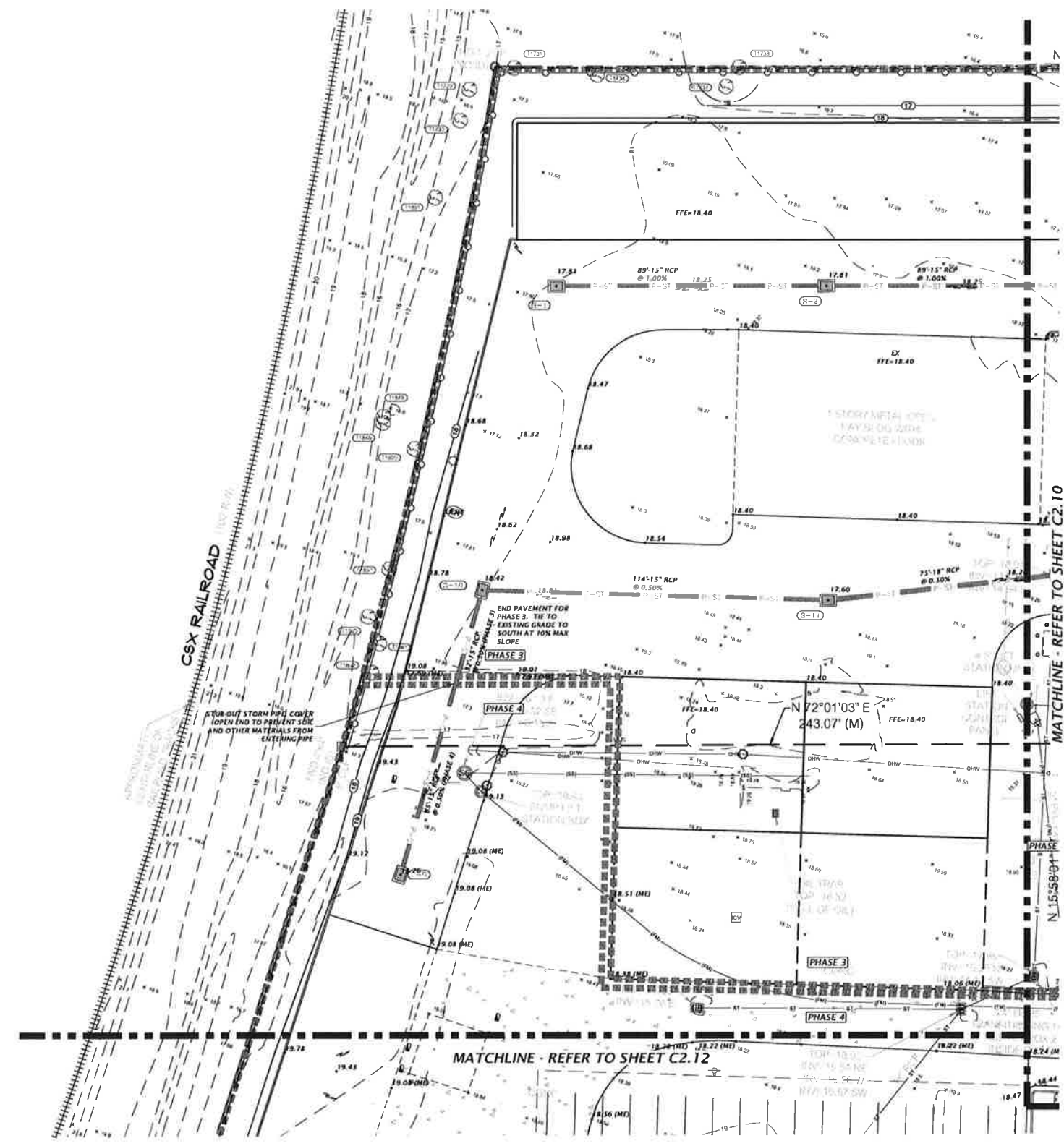
1"=20'
 VERTICAL SCALE
 AS SHOWN ON
 ELEVATIONS
 1"=10' IN PLAN
 SCALE ACCORDINGLY

CITY OF GREEN COVE SPRINGS
 GREEN COVE SPRINGS FW COMPOUND
 UTILITY FOR DEVELOPMENT
 PROJECT NUMBER: 21-0513
 PROJECT TITLE: DETAILED GRADING AND DRAINAGE PLAN

DATE: 01/20/2022
 SUBMITTED TO GREEN COVE SPRINGS PWD, PDS, AND SERVID
 7/2/2022 - RESUBMITTED TO GREEN COVE SPRINGS PWD, PDS, AND SERVID

DESIGNED BY: TRAVIS J. HASTAY
 CHECKED BY: T. HASTAY
 PROJECT NUMBER: 21-0513
 SHEET NO.: 84295
C2.10

Scale: 1"=20' Date: 03/11/2022 11:51:00 AM



STORMWATER STRUCTURE TABLE					
STRUCTURE	STRUCTURE TYPE	TOP	INVERT ELEV	PIPE DIA.	NGR THING # EXISTING
S-1	TYPE F INLET PER FDOT INDEX 425-013 AND 425-010	17.81	15.30 E	15"	N: 2059013.01 E: 439294.01
S-2	TYPE F INLET PER FDOT INDEX 425-013 AND 425-010	17.81	14.42 W 14.42 E	15"	N: 2059039.97 E: 439368.10
S-3	TYPE F INLET PER FDOT INDEX 425-013 AND 425-010	17.81	13.54 W 13.54 E	15"	N: 2059066.92 E: 439452.16
S-4	TYPE F INLET PER FDOT INDEX 425-013 AND 425-010	17.80	12.65 W 12.65 E	18"	N: 2059094.01 E: 439536.68
S-5	TYPE F INLET PER FDOT INDEX 425-013 AND 425-010	17.00	11.77 W 11.77 E	18"	N: 2059120.83 E: 439620.38
S-6	FLARED END SECTION PER FDOT INDEX 430-020	N/A	5.33 W	18"	N: 2059124.62 E: 439685.17
S-7	TYPE F INLET PER FDOT INDEX 425-013 AND 425-010	17.25	14.56 N	18"	N: 2059960.10 E: 439669.73
S-8	TYPE F INLET PER FDOT INDEX 425-013 AND 425-010	17.00	13.73 W 13.73 E 13.73 S	18"	N: 2059039.44 E: 439646.47
S-9	TYPE F INLET PER FDOT INDEX 425-013 AND 425-010	18.76	16.36 N	15"	N: 2058815.18 E: 439296.10
S-10	TYPE F INLET PER FDOT INDEX 425-013 AND 425-010	18.42	15.88 S 15.88 E	15"	N: 2058911.39 E: 439291.21
S-11	TYPE F INLET PER FDOT INDEX 425-013 AND 425-010	17.60	15.31 W 15.31 NE	15"	N: 2058942.76 E: 439399.97
S-12	TYPE F INLET PER FDOT INDEX 425-013 AND 425-010	17.50	14.05 W 14.05 E	18"	N: 2059019.46 E: 439592.71
S-13	FLARED END SECTION PER FDOT INDEX 430-020	N/A	5.33 W	18"	N: 2059060.77 E: 439708.18
S-14	OUTFALL STRUCTURE REFER TO SHEET C2.20 FOR DETAIL	19.29	14.00 NE	15"	N: 2059103.55 E: 439733.74

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Alhambra, CA 91801
www.ch2m-hill.com

CH2M HILL
Professional Corporation

SCALE: 1"=20'

DATE: 03/11/2022

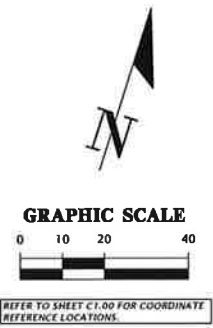
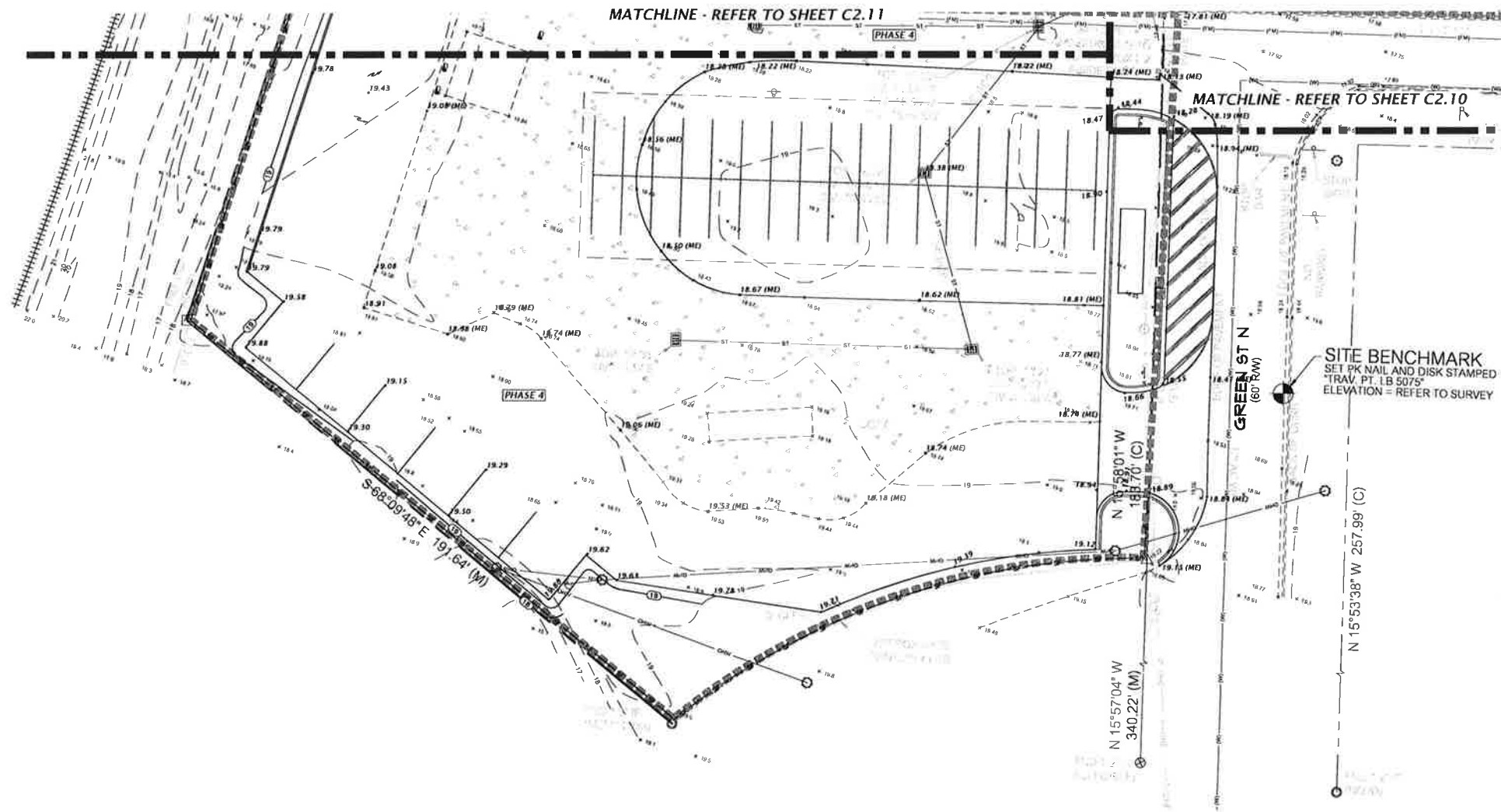
PROJECT: CITY OF GREEN COVE SPRINGS
PROJECT NO: 21-0513
SHEET NO: 21-0513

DESIGNER: T. HASTAY
CHECKER: T. HASTAY
DATE: 03/11/2022

PROJECT: DETAILED GRADING AND DRAINAGE PLAN

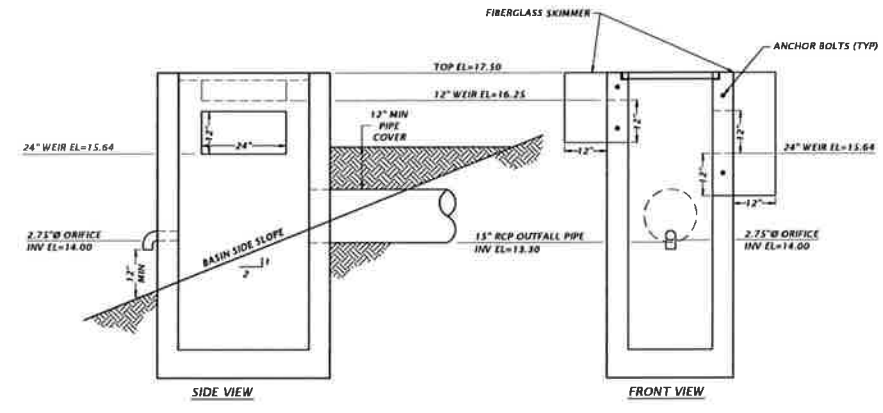
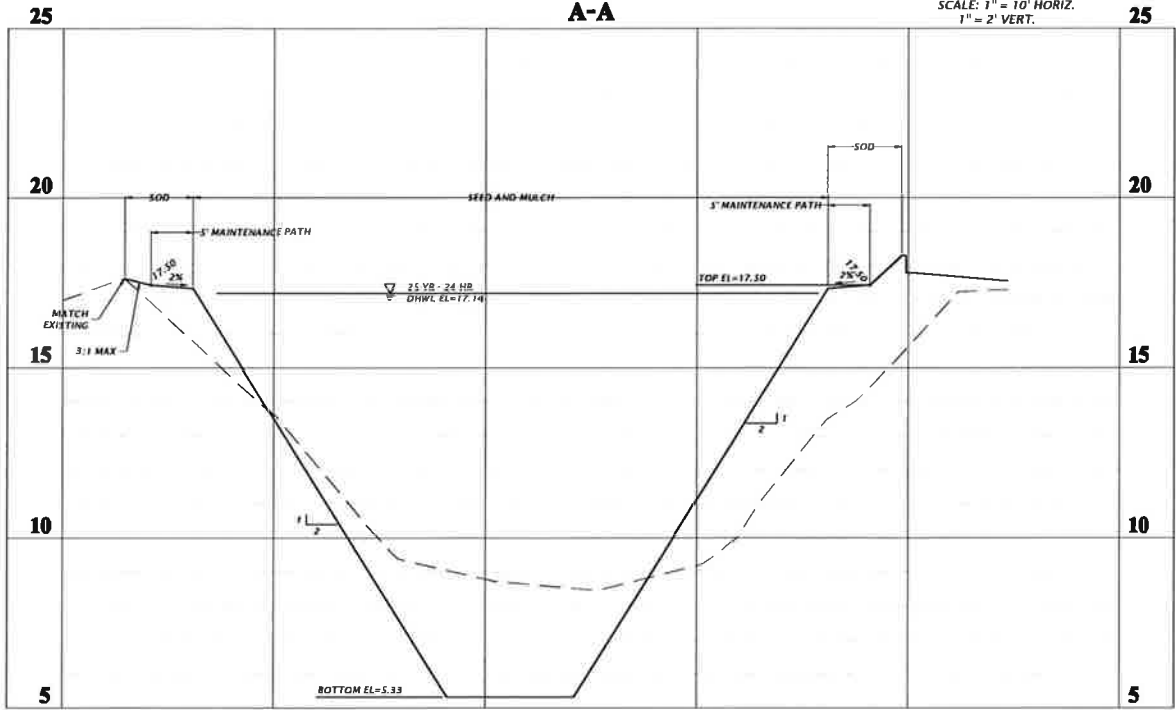
11 PE No. 84295

C2.11

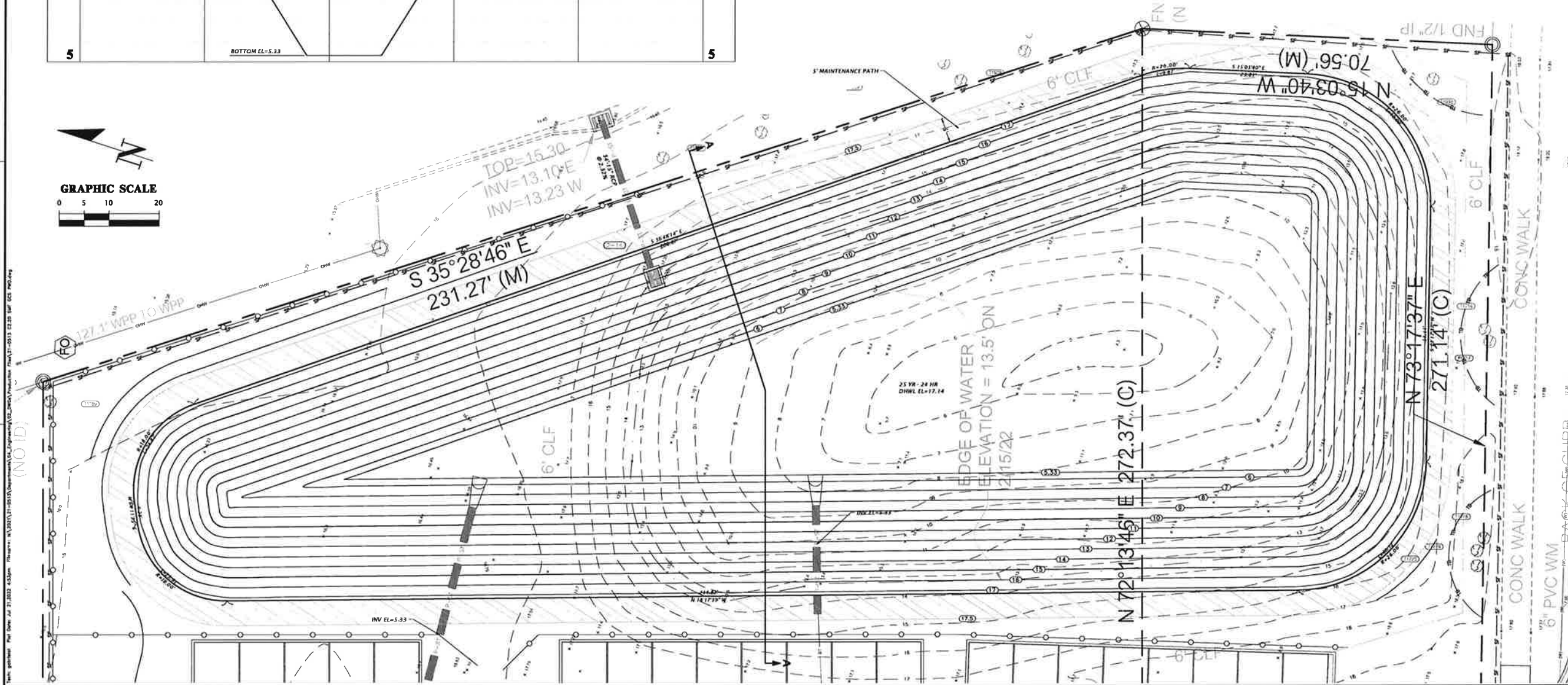
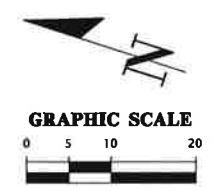


Title: *plan001* Plot Date: Jul 21, 2022 4:55pm File Name: \\19213\11-0115\Drawings\03_00\03\Production\Plan\11-0113_0210_005_PWD.dwg

11801 Research Drive Alhambra, CA 91801 www.ch2m-hill.com est. 1986 FLORIDA CA-5075	CH2M Hill	SCALE: 1"=20' VERTICALLY EXAGGERATED HORIZONTAL DISTANCE TO BE ADJUSTED TO MATCH VERTICALLY EXAGGERATED	CITY OF GREEN COVE SPRINGS GREEN COVE SPRINGS FW COMPOUND AND STATION RECONSTRUCTION SHEET NO. 21-0513	SHEET NO. 21-0513 EL PE No. 84295 C2.12
PROJECT: 7/20/2022 - RESUBMITTAL TO GREEN COVE SPRINGS FW, TOP AND SPRING				
SHEET TITLE: DETAILED GRADING AND DRAINAGE PLAN				

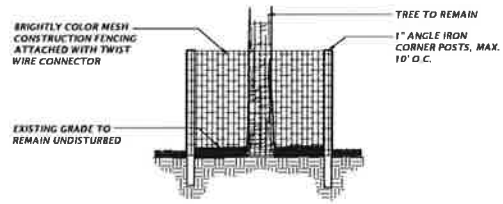


**S-14 MODIFIED TYPE C INLET
PER FDOT INDEX 425-052**



Title: Stormwater Management Facility Plan and Details
 Project: City of Green Cove Springs
 Date: 07/21/2023
 Scale: 1" = 10' Horiz., 1" = 2' Vert.
 Author: CH2M Hill
 Checker: T. Hasty
 Approver: C. Ledford
 Project No: 21-0513
 Sheet No: C2.20

1800 Research Drive Alachua, Florida 32016 (352) 331-1976 www.ch2m-hill.com	
est. 1968 FLORIDA CA-5075	
Professional Consultants	
SCALE: 1" = 10' 1" = 2' VERT.	
SUBMITTAL TO GREEN COVE SPRINGS PD, TFD, AND SWANO 7/20/2023 - RESUBMITTAL TO GREEN COVE SPRINGS PD, TFD, AND SWANO	
CLIENT: CITY OF GREEN COVE SPRINGS PROJECT: GREEN COVE SPRINGS PD COMPOUND MASTER PLAN IMPLEMENTATION SHEET TITLE: STORMWATER MANAGEMENT FACILITY PLAN AND DETAILS	
PROJECT NUMBER: 21-0513	
EL PE No. 84295 SHEET No. C2.20	



TREE PROTECTION DETAIL

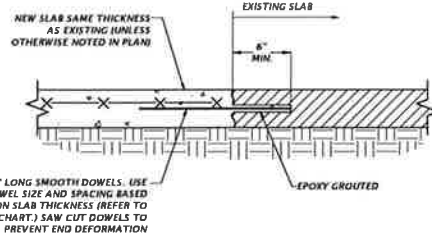
NTS

TREE PROTECTION NOTES

- 1) PROTECTIVE BARRIERS SHALL BE CONSTRUCTED, AS NECESSARY, TO PREVENT THE DESTRUCTION OR DAMAGING OF REGULATED TREES THAT ARE LOCATED WITHIN 50 FEET OF ANY CONSTRUCTION ACTIVITY OR STORAGE OF EQUIPMENT AND MATERIALS.
- 2) PROTECTIVE BARRIERS SHALL BE PLAINLY VISIBLE AND SHALL CREATE A CONTINUOUS BOUNDARY AROUND TREES OR VEGETATION CLUSTERS IN ORDER TO PREVENT ENCROACHMENT BY MACHINERY, VEHICLES OR STORED MATERIALS.
- 3) NO TRENCHING ALLOWED WITHIN THE PROTECTIVE BARRIER ZONE. HAND DIG TO INSTALL UTILITY IF APPROVED BY CITY MANAGER OR DESIGNER. WHERE ROOTS GREATER THAN ONE INCH IN DIAMETER ARE DAMAGED OR EXPOSED, THEY SHALL BE CUT CLEANLY AND RECOVERED WITH SOIL WITHIN ONE HOUR OF DAMAGE OR EXPOSURE.
- 4) PROTECTIVE BARRIERS SHALL REMAIN IN PLACE AND INTACT UNTIL SUCH TIME AS LANDSCAPE OPERATIONS BEGIN.
- 5) LANDSCAPE PREPARATION IN THE PROTECTED AREA SHALL BE LIMITED TO SHALLOW DISCING OF THE AREA. DISCING SHALL BE LIMITED TO A DEPTH OF 4 INCHES.
- 6) NO BUILDING MATERIALS, MACHINERY OR HARMFUL CHEMICALS SHALL BE PLACED WITHIN PROTECTIVE BARRIERS.
- 7) THE AMERICAN NATIONAL STANDARDS INSTITUTE A-300 PART V: MANAGEMENT OF TREES AND SHRUBS DURING SITE PLANNING, SITE DEVELOPMENT, AND SITE CONSTRUCTION OR OTHER NATIONALLY RECOGNIZED ARBORICULTURAL STANDARDS SHALL BE USED AS GUIDELINES FOR TREE PROTECTION, PLANTING, PRUNING AND CARE DURING DEVELOPMENT AND CONSTRUCTION.

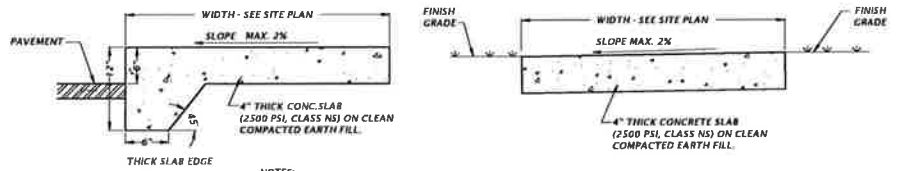
SMOOTH DOWEL SCHEDULE

SLAB DEPTH (IN.)	DIAMETER (IN.)	SPACING C TO C (IN.)
4	3/8"	12
5	3/8"	12
6	3/8"	12
7	3/8"	12
8	1"	12
9	1 1/4"	12
10	1 1/2"	12



NEW TO EXISTING SLAB CONNECTION

NTS



NOTES:

1. SAWCUT CONTROL JOINTS SHALL BE CONSTRUCTED 5 FEET ON CENTER
2. EXPANSION JOINTS WITH PREFORMED JOINT FILLER SHALL BE CONSTRUCTED BETWEEN ALL FIXED OBJECTS AND WALK AND AT CONSTRUCTION JOINTS.

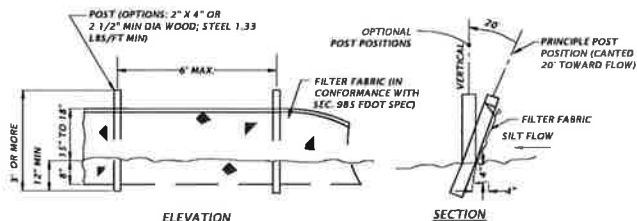
ADJACENT TO PAVEMENT

NTS

NOT ADJACENT TO PAVEMENT

NTS

CONCRETE SIDEWALK DETAILS



TYPE III SILT FENCE DETAIL

NTS



HEAVY DUTY CONCRETE DETAIL

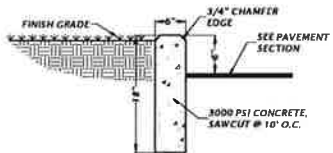
NTS

NOTE: JOINT PATTERN AND TYPE PER FLORIDA CONCRETE & PRODUCTS ASSOCIATION SPECIFICATIONS



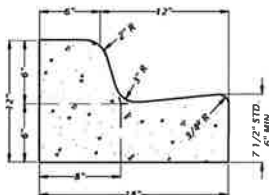
HEAVY DUTY ASPHALT DETAIL

NTS



TYPICAL 6\"/>

NTS

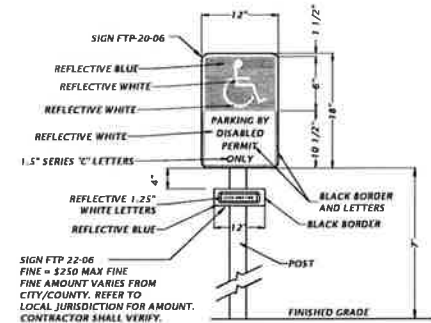


NOTE:

WHEN USED ON THE HIGH SIDE OF ROADWAY, THE CROSS-SLOPE OF THE GUTTER SHALL MATCH THE CROSS-SLOPE OF THE ADJACENT PAVEMENT AND THE THICKNESS OF THE LIP SHALL BE 6\"/>

MODIFIED TYPE 'F' CONCRETE CURB AND GUTTER DETAIL

NTS

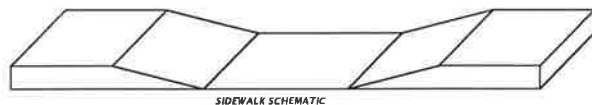


SIGN NOTES:

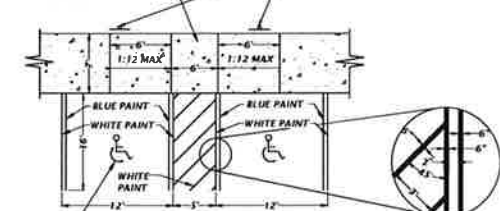
1. SIGN CONSTRUCTION, DESIGN AND PLACEMENT SHALL COMPLY WITH STATE AND LOCAL STATUTES.

ACCESSIBLE PARKING SIGN DETAIL

NTS



CONSTRUCT 6\"/>



UNIVERSAL SYMBOL OF ACCESSIBILITY

NOTE: CURB RAMP SHALL HAVE AN EXPOSED AGGREGATE DETECTABLE WARNING TEXTURE. SLOPE NOT TO EXCEED 1:12

ACCESSIBLE PARKING & RAMP DETAIL

NTS

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est. 1988 FLORIDA
CA-3075

CHW
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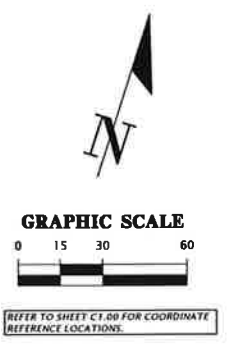
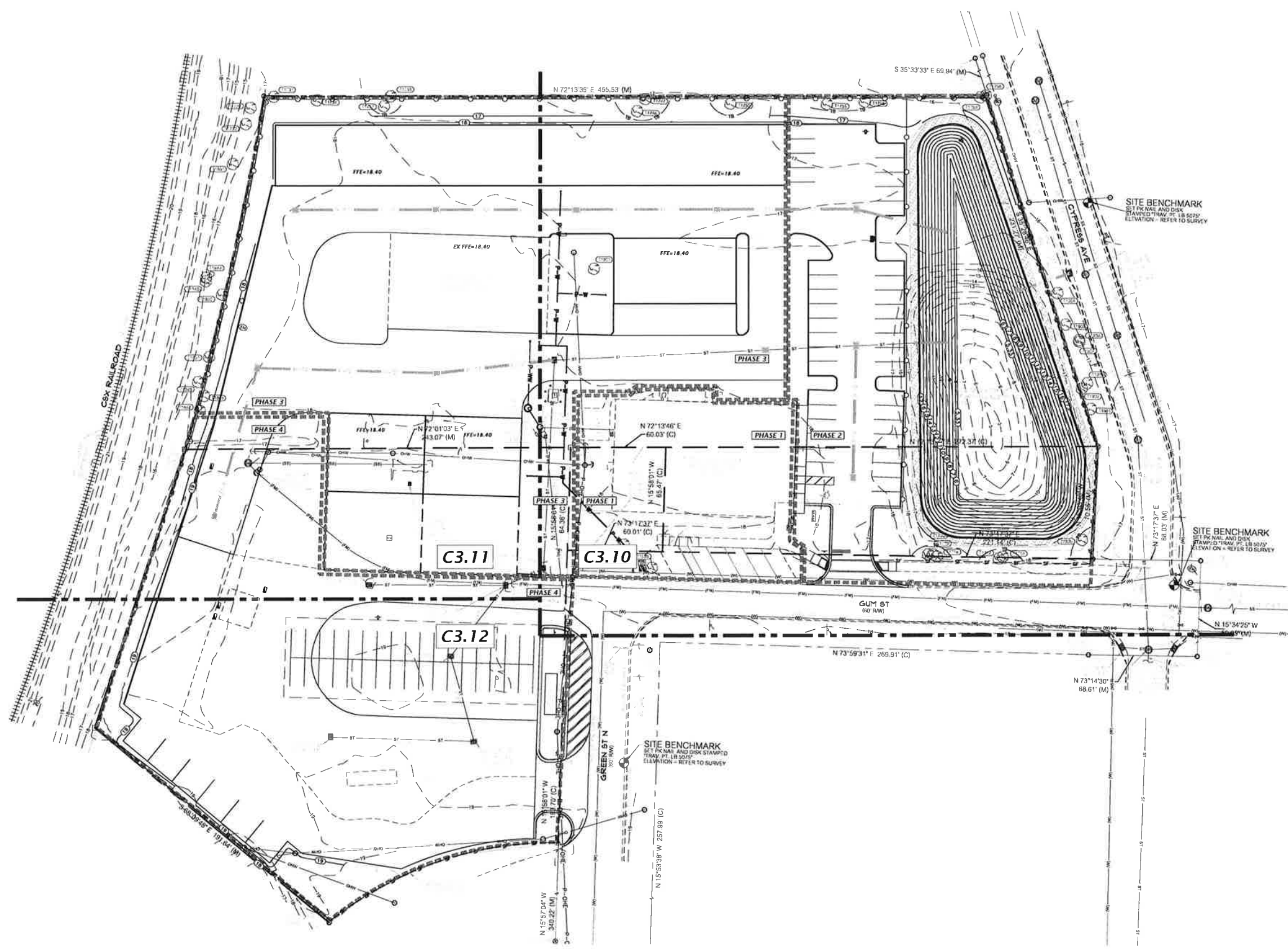
SCALE: N/A
VERTICAL SCALE: AS SHOWN
HORIZONTAL SCALE: AS SHOWN
DATE: 07/20/2022

CITY OF GREEN COVE SPRINGS
PROJECT: GREEN COVE SPRINGS PARKWAY AND INDUSTRIAL PARK IMPROVEMENT
SHEET TITLE: CONSTRUCTION DETAILS
PROJECT NUMBER: 21-0513

DESIGNED BY: T. HASTAY
CHECKED BY: C. CLERBO
DATE: 07/20/2022

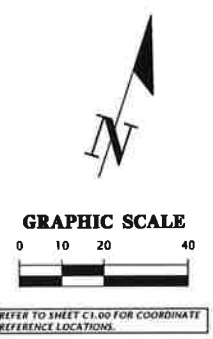
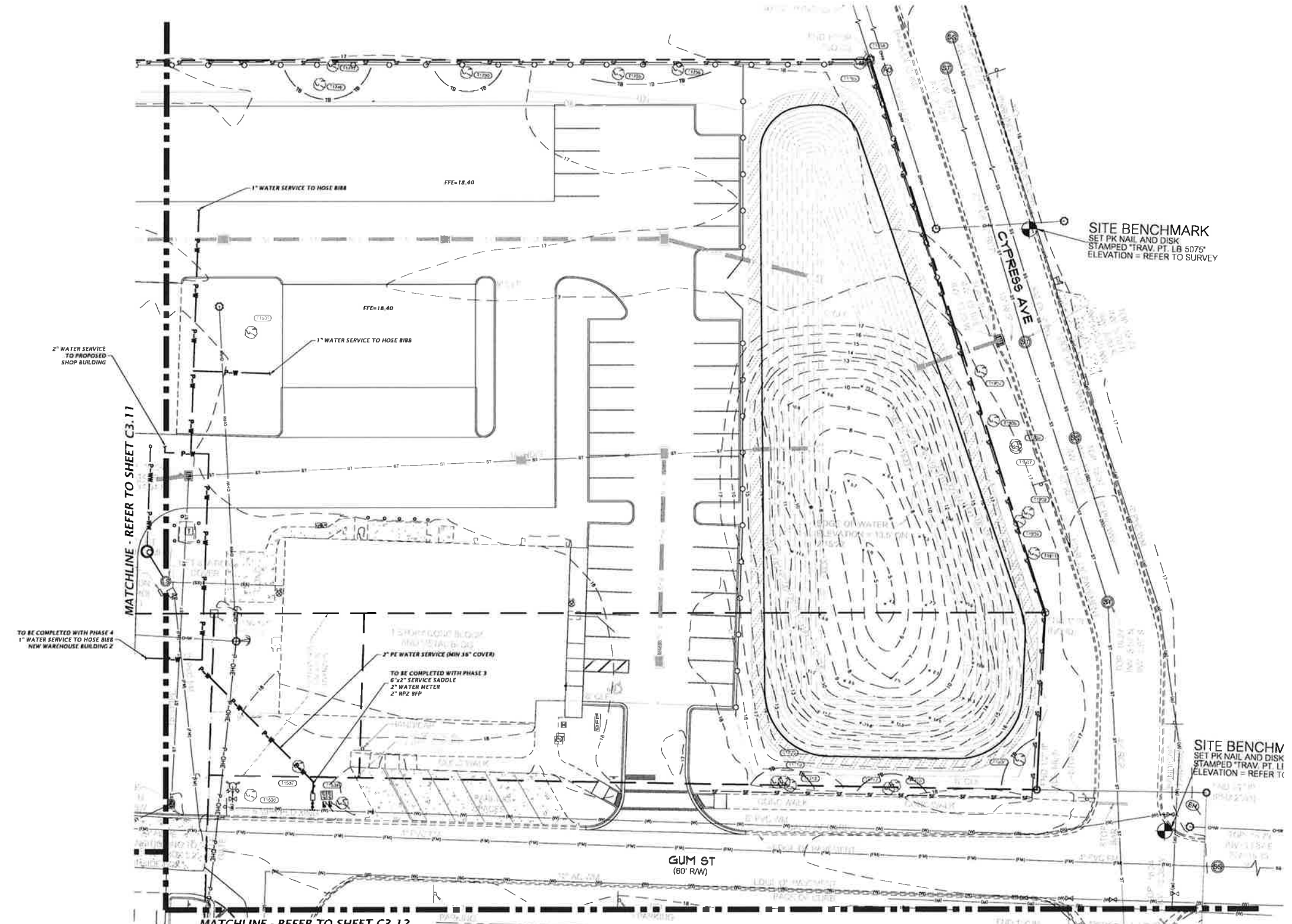
FL PROJECT NUMBER: 84295
SHEET NUMBER: C2.30

TRAVIS J. HASTAY



1800 Research Drive Alhambra, CA 91801 (626) 352-3311 www.chw-inc.com est. 1988 FLORIDA CA-5075	
CHW Professional Consultants	
SCALE: 1"=30' PREPARED BY: [Name] CHECKED BY: [Name] DATE: [Date]	PROJECT: [Name] SHEET NO.: 21-0513
COUNTY: CITY OF GREEN COVE SPRINGS PROJECT: GREEN COVE SPRINGS WASTEWATER TREATMENT PLANT SHEET TITLE: MASTER UTILITY PLAN	
DESIGNER: [Name] CHECKED: [Name] DATE: [Date]	PROJECT NO.: 21-0513
FILE NO. 84295 C3.00	

Title: [Name] Plot Date: Jul 31, 2022 4:54pm. Pathname: N:\2022\21-0513\GreenCoveSprings\21-0513-001.dwg. User: [Name]. Plot Date: Jul 31, 2022 4:54pm.



SITE BENCHMARK
 SET PK NAIL AND DISK
 STAMPED "TRAV. PT. LB 5075"
 ELEVATION = REFER TO SURVEY

SITE BENCHM
 SET PK NAIL AND DISK
 STAMPED "TRAV. PT. LI
 ELEVATION = REFER TO

MATCHLINE - REFER TO SHEET C3.11

MATCHLINE - REFER TO SHEET C3.12

TO BE COMPLETED WITH PHASE 4
 1" WATER SERVICE TO HOSE BIBB
 NEW WAREHOUSE BUILDING 2

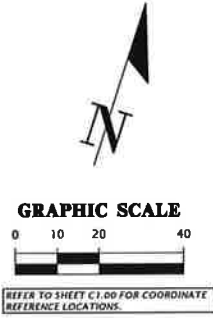
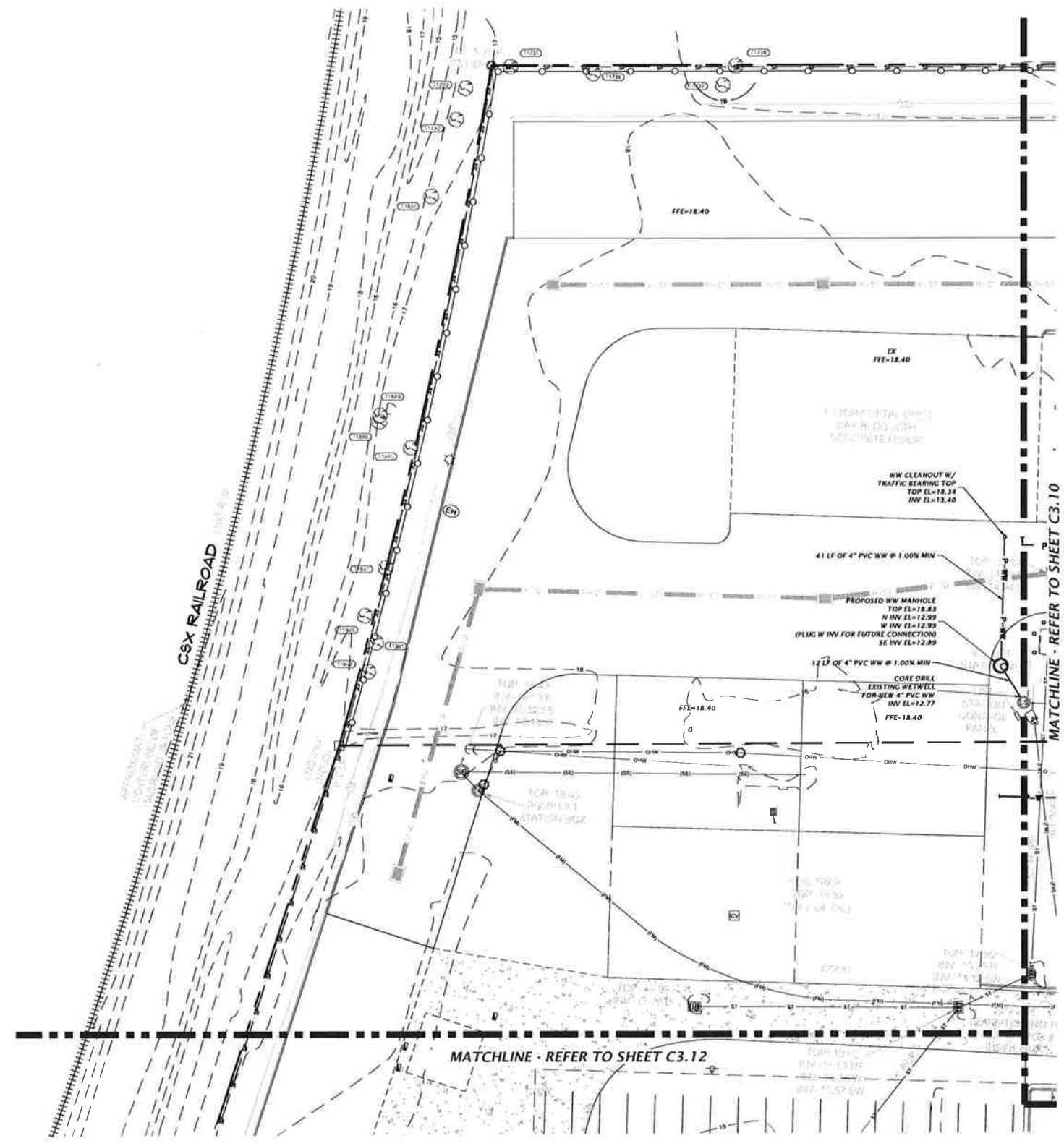
TO BE COMPLETED WITH PHASE 3
 6"x2" SERVICE SADDLE
 2" WATER METER
 2" RPZ BFP

GUM ST
 (60' RW)

CYPRESS AVE

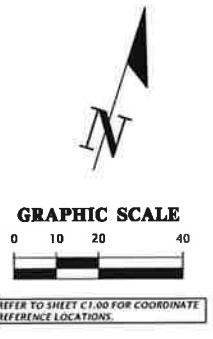
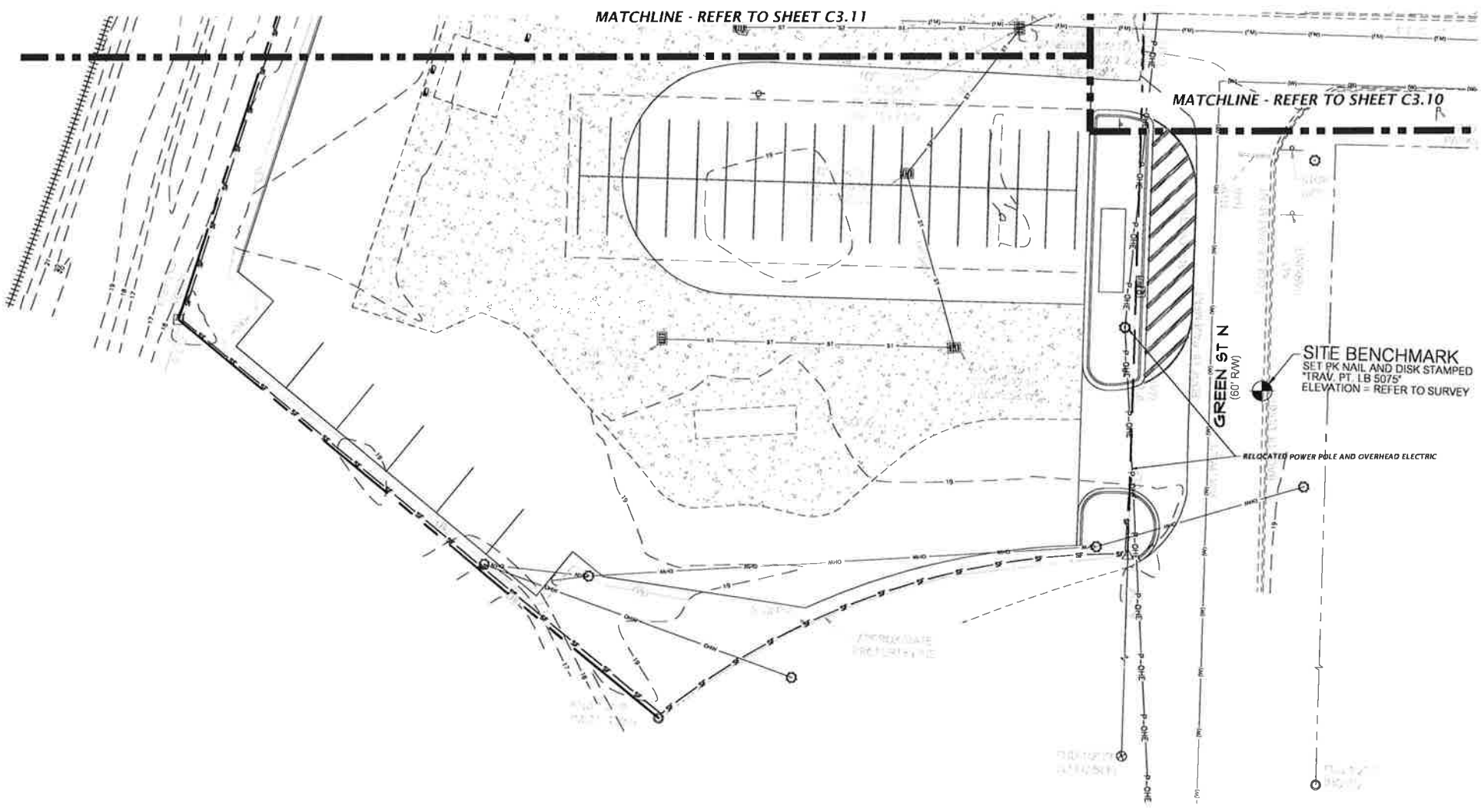
11801 Research Drive Alhambra, CA 91803 (626) 331-1976 www.cchw-inc.com est. 1988 FLORIDA CA-5075	
SCALE: 1"=20' VERIFY FIELD ORIGINAL DRAWING DATE: 07/20/2022 DRAWN BY: TRAVIS J. HASTAY CHECKED BY: TRAVIS J. HASTAY SCALE ACCURACY:	SHEET NO.: 21-0513 PROJECT NAME: DETAILED UTILITY PLAN
CLIENT: CITY OF GREEN COW SPRINGS PROJECT: CITY OF GREEN COW SPRINGS NEW PARKING AND MASTER PLAN IMPLEMENTATION SHEET TITLE:	LIMITS: CITY OF GREEN COW SPRINGS, 15.5' EASMENT, 15.5' EASMENT, 7/20/2022 - RESUBMIT TO GREEN COW SPRINGS AND 15.5' AND 15.5' SWARD
DESIGNER: TRAVIS J. HASTAY DATE: 07/20/2022	31 PE No. 84295 C3.10

Plot Date: Jul 21, 2022 4:54pm File Name: \\2021\17-0513\Department\EA_C\Engineering\32_2021\Production\Drawn\21-0513_C3.11_DWG_PWD.dwg



TIBCO Research Park Alachua, Florida 32915 (352) 337-1976 www.tibco-inc.com est. 1988 FLORIDA CA-5075	
CHW Professional Consultants	NO. 17-27 THIS DRAWING IS A COPY OF THE ORIGINAL DRAWING. IT IS NOT TO BE USED FOR ANY OTHER PROJECTS WITHOUT THE WRITTEN AUTHORIZATION OF CHW.
SUBMITTAL: SUBMITTAL TO GREEN COVE SPRINGS PD, TDP, AND SRWWD 7/26/2022 - SUBMITTAL TO GREEN COVE SPRINGS PD, TDP, AND SRWWD	
CITY OF GREEN COVE SPRINGS PROJECT: GREEN COVE SPRINGS PD COMPOUND MASTER PLAN IMPLEMENTATION SHEET TITLE: DETAILED UTILITY PLAN	PROJECT NUMBER: 21-0513
DESIGNER: TRAVIS J. HASTAY CHECKER: T. HASTAY	FL PE No. 88295 SHEET No. C3.11

Drawn: jhastay Date: 01/21/2022 4:54pm Plotted: A:\2021\21-0513\Drawings\21-0513-Detailed\Utility\Plan\21-0513-Detailed\Utility\Plan.dwg



<p>1801 Research Drive Alachua, Florida 32615 352.331-1976 www.chw-inc.com est. 1988 FLORIDA CA-5075</p>	
<p>CHW Professional Consultants</p>	
<p>SCALE: 1"=20'</p> <p>1. THIS PLAN SHALL BE USED ONLY FOR THE PROJECT AND SITE SHOWN ON THIS DRAWING.</p> <p>2. THIS PLAN IS NOT TO BE USED FOR ANY OTHER PROJECT OR SITE WITHOUT THE WRITTEN CONSENT OF CHW.</p>	<p>DATE: 01/21/2022</p> <p>DESIGNED BY: jhastay</p> <p>CHECKED BY: jhastay</p>
<p>PROJECT: CITY OF GREEN COVE SPRINGS GREEN COVE SPRINGS IM COMPOUND MASTER PLAN IMPLEMENTATION SHEET 011</p>	<p>DESCRIPTION: SUBMITTAL TO GREEN COVE SPRINGS PWD, 100' AND 50' ROW 7/10/2022 - SUBMITTAL TO GREEN COVE SPRINGS PWD, 100' AND 50' ROW 7/10/2022 - SUBMITTAL TO GREEN COVE SPRINGS PWD, 100' AND 50' ROW</p>
<p>DESIGNER: TRAVIS J. HASTAY</p> <p>PROJECT NUMBER: 21-0513</p>	<p>DATE: 01/21/2022</p> <p>PROJECT: CITY OF GREEN COVE SPRINGS GREEN COVE SPRINGS IM COMPOUND MASTER PLAN IMPLEMENTATION SHEET 011</p>
<p>FL PE No. 84295</p>	<p>C3.12</p>

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast, it's free, it's the law.
Call 811 two business days before digging

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(352) 331-1976
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est. 1988 FLORIDA
LA0001663

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SCALE: N/A
1/8" = 1' SCALE
FOR ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SIZES PROPORTIONALLY.

CONSTRUCTION RECORD

DATE: 06/15/2022
SUBMITTED TO GREEN COVE SPRINGS PWD, FDOT, & SURFPAV
07/15/2022, SUBMITTED TO GREEN COVE SPRINGS PWD, FDOT, & SURFPAV

CITY OF GREEN COVE SPRINGS
PROJECT: GREEN COVE SPRINGS PWD COMPLETION PLAN
SHEET NO.: LANDSCAPE ARCHITECTURE CALCULATIONS, NOTES & DETAILS

DESIGNED BY: L. ROSARIO
CHECKED BY: L. ROSARIO
QUALITY CONTROL: L. HALL
PROJECT MANAGER: L. HALL

21-0513

SHEET NO.: LS-1

TREE CREDITS Sec. 113-279(b)

TREES PRESERVED ABOVE 12"

TAG #	DBH/SPECIES	TREE CREDITS
T1850	15" LAO	7.5"
T1851	17" LO	17"
T1857	39" LO	58.5"
T1905	13" MAG	6.5"
T1716	15" WO	7.5"
T1908	17" WO	8.5"
T1717	13" WO	6.5"
T1909	14" LAO	7"
T1848	12" LAO	6"
T1882	40" LO	60"
T1737	15" WO	7.5"
T1746	20" FLMP	15"
T1747	18" CP	9"
T1756	24" WO	18"
T1758	17" WO	8.5"
T1881	13" LAO	6.5"
T1936	22" WO	16.5"

= 286" TOTAL TREE CREDITS AGAINST LANDSCAPE REQUIREMENTS

INTERIOR LANDSCAPING CALCULATIONS Sec. 113-244(b)(2)

PROJECT SITE AREA	204,366 S.F.
TOTAL REQUIRED TREES PER 1,500 S.F. (FOR THE FIRST 10,500 S.F. OF THE PROJECT SITE AREA)	7 TREES
TOTAL REQUIRED TREES PER 4,000 S.F. (FOR THE REMAINDER OF THE PROJECT SITE AREA)	48 TREES
TOTAL REQUIRED TREES	55 TREES
TOTAL REQUIRED INCHES (AT 2"/TREE)	110"
TOTAL PROVIDED INCHES (FROM APPLIED TREE CREDITS)	110"
TOTAL REMAINDER TREE CREDITS	158"

TREE MITIGATION CALCULATIONS Sec. 113-279(a)

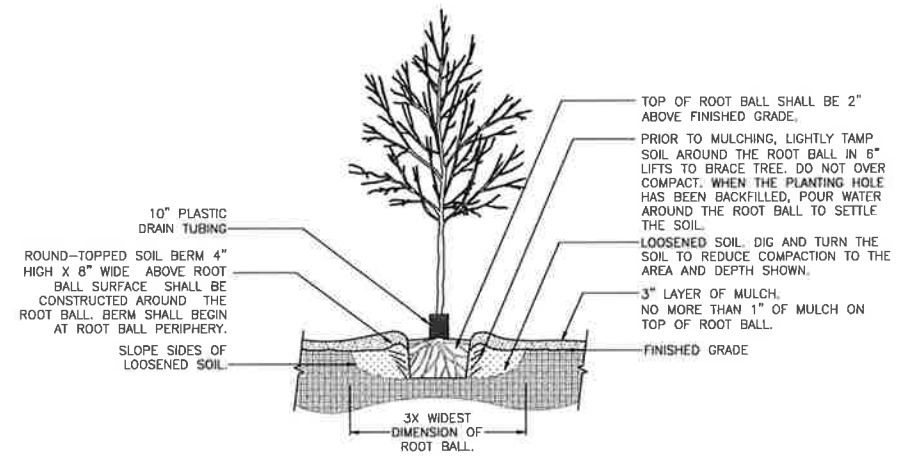
CATEGORY	MITIGATION CALCULATIONS
INCH-FOR-INCH REPLACEMENT	REMOVED LIVE OAKS
	TAG # DBH/SPECIES
	T1830 32" LO
	T1859 15" LO
TOTAL REMOVED LIVE OAK INCHES	47"
TOTAL REQUIRED REPLACEMENT LIVE OAKS INCHES	47"
TOTAL PROVIDED LIVE OAK INCHES	16"
TOTAL DEFICIT LIVE OAK INCHES	31"

§ REPLACEMENT

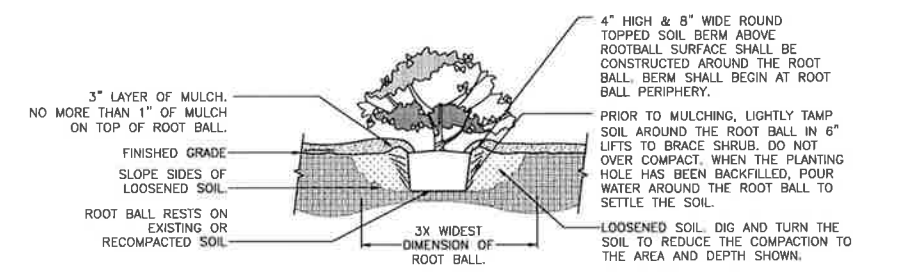
CATEGORY	MITIGATION CALCULATIONS
REMOVED TREES ABOVE 12"	TAG # DBH/SPECIES
	T1913 18" WO
	T1529 23" CP
	T1722 17" CP
	T1531 23" CP
	T1810 18" LAO
	T1724 16" FLMP
	T1725 18" WO
	T1743 15" WO
	T1897 18" WO
	T1898 16" WO
TOTAL REMOVED TREE INCHES	209"
TOTAL REQUIRED REPLACEMENT TREE INCHES (AT § REPLACEMENT)	70"

TOTAL TREE MITIGATION

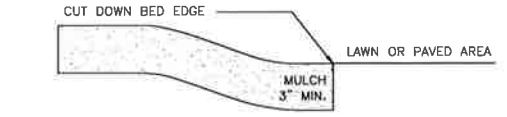
TOTAL MITIGATION INCHES REQUIRED	101"
TOTAL MITIGATION PROVIDED	101"
8 @ 2.0" = 16"	
9 @ 2.0" = 18"	
67" FROM APPLIED TREE CREDITS	
TOTAL MITIGATION INCHES DEFICIT	0"
TOTAL MITIGATION PAYMENT	
DEFICIT PAYMENT (\$130/TREE)	\$0.00
TOTAL PAYMENT REQUIRED	\$0.00



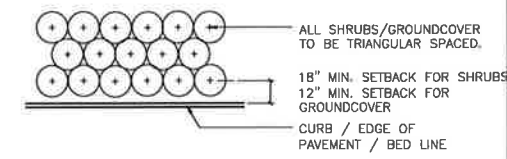
1 TREE PLANTING DETAIL
SCALE: N.T.S.



2 SHRUB PLANTING DETAIL
SCALE: N.T.S.



3 MULCH DETAIL
SCALE: N.T.S.



4 SHRUB PLANTING DETAIL
SCALE: N.T.S.

NOTE: THE PERIMETER OF ALL CURVED PLANTING BEDS SHALL BE PLANTED WITH A ROW OF SHRUBS AS SHOWN IN THE PLANS AND AT THE SPACING SHOWN IN THE PLANT LIST. INTERIOR PORTIONS OF EACH BED SHALL BE PLANTED AT APPROPRIATE SPACING ACCORDING TO THIS PLANT SPACING DETAIL.

PLANT SCHEDULE

TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE
QVP	8	QUERCUS VIRGINIANA 'PARKSIDE'	PARKSIDE LIVE OAK	30 GAL, 12" HT, 54" SPR, 2" CAL
TD	9	TAXODIUM DISTICHUM	BALD CYPRESS	30 GAL, 12" HT, 42" SPR, 2" CAL
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE
IDB	174	ILEX CORNUTA 'DWARF BURFORDII'	DWARF BURFORD HOLLY	3 GAL, 24" HT, 16" SPR
PM	180	PODOCARPUS MACROPHYLLUS	PODOCARPUS	3 GAL, 18" HT, 18" SPR
VOS	138	VIBURNUM OBOVATUM 'MRS. SHILLER'S DELIGHT'	MRS. SHILLERS DELIGHT VIBURNUM	3 GAL, 18" HT, 18" SPR
SOD/SEED	BOTANICAL NAME	COMMON NAME	SIZE	
SOD	PASPALUM NOTATUM 'ARGENTINE'	BAHIA GRASS	WEED FREE AND SAND GROWN SOD	

GENERAL NOTES
ALL ASPHALT, LIMESTONE, AND CONSTRUCTION DEBRIS SHALL BE REMOVED FROM PLANTING BEDS AND SOD AREAS PRIOR TO LANDSCAPE INSTALLATION. IF ENCOUNTERED DURING CONSTRUCTION OR INSTALLATION, THESE SHALL BE EXCAVATED AND REMOVED FROM THE SITE. PLANTING DEPTH OF SOIL IN SUCH AREAS SHOULD BE AT LEAST 3". IF FILL MUST BE ADDED, IT MUST BE FLORIDA CLEAN DEEP FILL (FREE OF WEED SEEDS) WITH pH 6.0 - 7.5.

ALL LANDSCAPED AREAS SHALL BE MULCHED WITH 3" THICKNESS OF MULCH. PINE BARK MULCH SHALL BE USED IN ALL AREAS, EXCEPT RETENTION AREAS. PINE STRAW MULCH SHALL BE USED IN RETENTION AREAS.

NEW TREES OUTSIDE OF MULCHED LANDSCAPED BEDS WILL BE PROTECTED FROM MOWER AND STRING TRIMMER DAMAGE WITH 10" OF PLASTIC DRAIN TUBING.

LEADER SHOOTS AND MAIN STRUCTURAL LIMBS OF TREES SHALL NOT BE TOPPED OR PRUNED. TREES WILL BE STAKED AS NEEDED. GUYLINES WILL BE OF NON-SYNTHETIC BIODEGRADABLE MATERIAL.

REFER TO CIVIL PLANS FOR TREE BARRICADE DETAILS AND INFORMATION.

INVASIVE EXOTIC PLANT MATERIAL
ALL INVASIVE PLANT SPECIES TO BE REMOVED FROM SITE PRIOR TO ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.

GRASSING
ALL DISTURBED AND UNPAVED AREAS TO BE GRASSED WITH SOD THAT IS FREE OF NOXIOUS WEEDS INCLUDING TROPICAL SODA APPLE OR SHALL BE SEEDED AND MULCHED. SEE CIVIL SITE PLANS FOR ADDITIONAL RELATED INFORMATION.

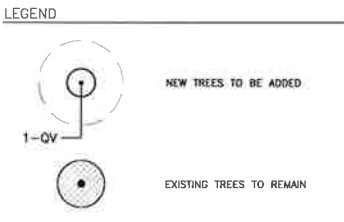
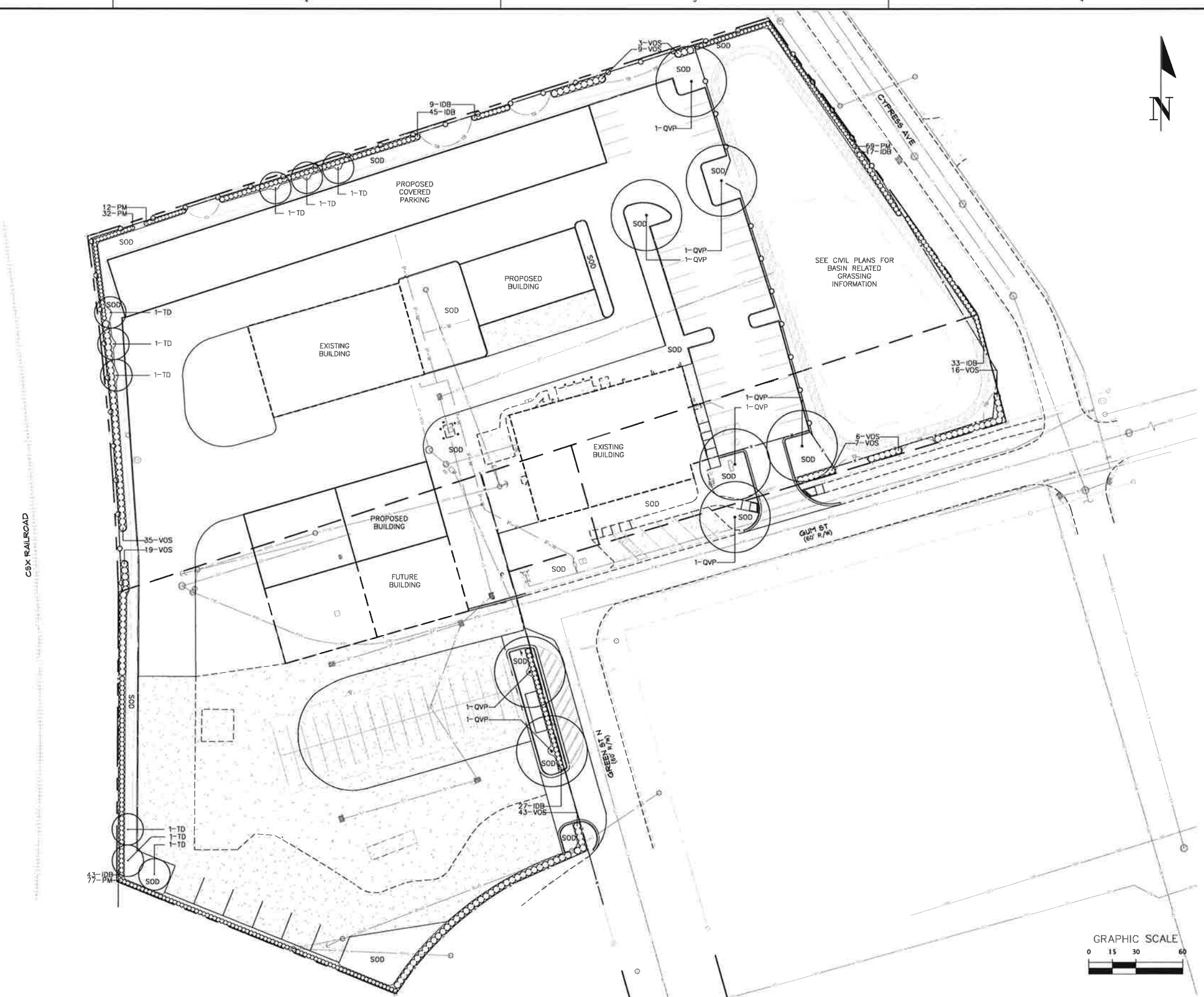
PLANT MATERIAL
ALL PLANT MATERIAL TO BE FLORIDA NO.1 OR BETTER, GRADED IN ACCORDANCE WITH THE STATE OF FLORIDA DEPARTMENT OF AGRICULTURE, DIVISION OF PLANT INDUSTRY'S 'GRADES AND STANDARDS FOR NURSERY PLANTS', CURRENT EDITION AT THE TIME PLANS ARE ISSUED. CALL LANDSCAPE ARCHITECT PRIOR TO PURCHASING ANY PLANT MATERIAL FOR AN ON SITE INSPECTION AND REVIEW OF LANDSCAPE PLAN.

PLANT QUANTITIES SHOWN ARE FOR PERMITTING PURPOSES ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM ALL QUANTITIES SHOWN ON THE PLAN.

IRRIGATION
LANDSCAPE IRRIGATION TO BE PROVIDED BY AUTOMATIC IRRIGATION SYSTEM. BUBBLERS SHALL BE INSTALLED BY EACH TREE AS PART OF THE IRRIGATION SYSTEM.

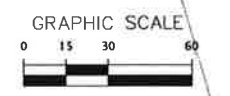
11801 Research Drive, Alachua, Florida 32615, (352) 331-1976, www.chm-fla.com
 06/15/2022 12:00pm, File Name: 21-0513-10117A-Improvements-03-Design-02.dwg, User: LRS, Plotting: LRS, Date: 06/15/2022 12:00pm

Title: 811 - 12-2022 12:54pm File Name: N:\2021\11-0513\Agreement\03_Design\02_2024\11_Paving\11-0513_Design_Beam.dwg
 Plot Date: Jul 13, 2022 12:54pm



811

KNOW WHAT'S BELOW
ALWAYS CALL 811
BEFORE YOU DIG
It's fast, it's free, it's the law
 Call 811 two business days before digging



 Professional Consultants 11801 Research Drive Alpharetta, GA 30201 www.ch2m-hill.com est. 1966 FLORIDA LC0001665	
SCALE: 1"=30' VERIFY SCALE ON ORIGINAL DRAWING ALL DIMENSIONS ON THIS DRAWING SHALL BE TO UNLESS OTHERWISE NOTED.	SUBMITTALS: 06/15/2022 - SUBMITTAL TO GREEN COVE SPRINGS PWD, IDEP, 07/15/2022 - SUBMITTAL TO GREEN COVE SPRINGS PWD, IDEP, & SRPMD
CLIENT: CITY OF GREEN COVE SPRINGS PROJECT: GREEN COVE SPRINGS PWD COMPOUND MASTER PLAN IMPLEMENTATION SHEET TITLE: LANDSCAPE PLAN	SHEET NO.: 21-0513 LS-2

SURVEYOR'S NOTES:

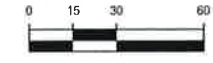
- BEARINGS SHOWN HEREON ARE BASED ON STATE PLANE FLORIDA EAST COORDINATES (NAD 83 (2011)) PROJECTED FROM RTK NETWORK GPS SOLUTION.
- NO UNDERGROUND INSTALLATION OF UTILITIES OR IMPROVEMENTS HAVE BEEN LOCATED EXCEPT AS SHOWN. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.
- THE SURVEYOR HAS NO KNOWLEDGE OF UNDERGROUND FOUNDATIONS WHICH MAY ENCRUST.
- INFORMATION FROM FEDERAL EMERGENCY MANAGEMENT AGENCY (F.E.M.A.) FLOOD INSURANCE RATE MAPS, SHOWN ON THIS MAP ARE APPROXIMATE ONLY AND WAS CURRENT AS OF THE REFERENCED DATE. MAP REVISIONS AND AMENDMENTS ARE PERIODICALLY MADE BY LETTER AND MAY NOT BE REFLECTED ON THE MOST CURRENT MAP.
- FENCES, SYMBOLS, MONUMENTATION AND UTILITIES SHOWN HEREON MAY BE EXAGGERATED FOR PICTORIAL PURPOSES ONLY AND MAY NOT BE SHOWN TO SCALE.
- IN THE OPINION OF THIS SURVEYOR, THE PERIMETER LINES AS SHOWN HEREON REPRESENT THE LOCATION OF THE BOUNDARY LINES OF THE SUBJECT PARCEL IN RELATION TO THE DESCRIPTION OF RECORD AND THOSE EXISTING LAND CORNERS FOUND TO BE ACCEPTABLE BY THIS SURVEYOR.
- THIS IS NOT A BOUNDARY SURVEY. MONUMENTATION AND BOUNDARY LINES SHOWN ARE RELATIVE TO OCCUPATION AND DEEDS OF RECORD, NO TITLE WORK WAS FURNISHED FOR THIS SITE.
- VERTICAL DATUM BASED ON NATIONAL GEODETIC SURVEY BENCHMARK LIND, BEING A STAMPED DISK IN THE TOP OF WALL ON THE WEST SIDE OF THE OLD COURT HOUSE IN GREEN COVE SPRINGS FLORIDA, PUBLISHED ELEVATION = 25.87 FEET, (NORTH AMERICAN VERTICAL DATUM 1988)

TOPOGRAPHIC SURVEY

OF THE CITY OF GREEN COVE SPRINGS PUBLIC WORKS DEPARTMENT

SITUATED IN SECTION 38, TOWNSHIP 6 SOUTH, RANGE 26 EAST, CITY OF GREEN COVE SPRINGS, CLAY COUNTY, FLORIDA

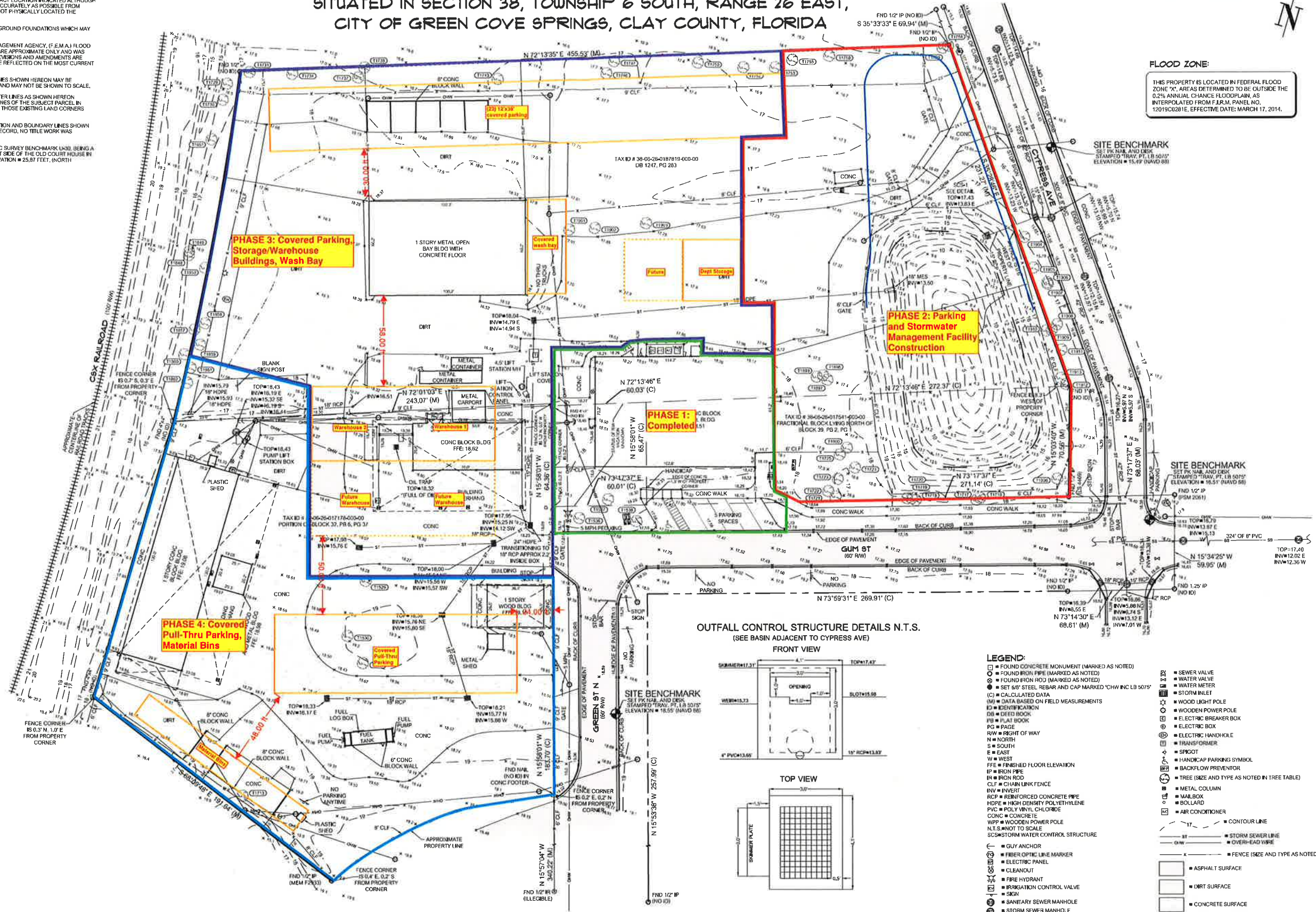
GRAPHIC SCALE



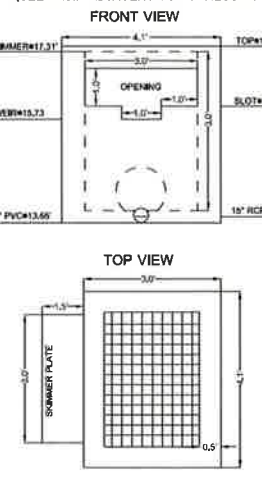
FLOOD ZONE:

THIS PROPERTY IS LOCATED IN FEDERAL FLOOD ZONE "X". AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, AS INTERPOLATED FROM F.I.R.M. PANEL NO. 12019C0281E, EFFECTIVE DATE: MARCH 17, 2014.

TREE NO.	TREE SIZE AND TYPE
T1913	18" WATER OAK
T1849	18" LAUREL OAK
T1721	36" CAMPHOR
T1529	23" CABBAGE PALM
T1850	15" LAUREL OAK
T1722	17" QUEEN PALM
T1530	15" LIVE OAK
T1723	18" CAMPHOR
T1531	23" CABBAGE PALM
T1851	15" WATER OAK
T1536	17" LIVE OAK
T1537	4" LIVE OAK
T1729	8" SOUTHERN MAGNOLIA
T1857	39" LIVE OAK
T1538	8" LIVE OAK
T1730	18" CAMPHOR
T1858	11" LAUREL OAK
T1713	12"12" PECAN
T1905	13" SOUTHERN MAGNOLIA
T1716	15" WATER OAK
T1908	17" WATER OAK
T1717	13" WATER OAK
T1909	14" LAUREL OAK
T1718	18" PECAN
T1910	18" LAUREL OAK
T1719	14" CHINESE TALLOW
T1911	15"9"9" CAMPHOR
T1720	15" CHINESE TALLOW
T1848	12" LAUREL OAK
T1912	12"9"8" CAMPHOR
T1724	16" FLORIDA MAPLE
T1725	18" WATER OAK
T1731	10"7" CAMPHOR
T1859	32" LIVE OAK
T1734	8" WATER OAK
T1862	40" LIVE OAK
T1737	15" WATER OAK
T1738	11"10"8" CAMPHOR
T1743	15" WATER OAK
T1746	20" FLORIDA MAPLE
T1747	18" CABBAGE PALM
T1750	25" CHINESE TALLOW
T1752	8" CHINESE TALLOW
T1753	9"7"9" CAMPHOR
T1756	11" WATER OAK
T1756	24" WATER OAK
T1758	17" WATER OAK
T1759	10" WATER OAK
T1860	11" CAMPHOR
T1861	13" LAUREL OAK
T1897	18" WATER OAK
T1898	16" WATER OAK
T1899	13" WATER OAK
T1900	14" CABBAGE PALM
T1901	11" CABBAGE PALM
T1902	11" CABBAGE PALM
T1903	11" CABBAGE PALM
T1904	12" BLACK CHERRY
T1906	13" PECAN
T1907	11" WATER OAK
T1908	22" WATER OAK



OUTFALL CONTROL STRUCTURE DETAILS N.T.S.
(SEE BASIN ADJACENT TO CYPRESS AVE)



LEGEND:

- FOUND CONCRETE MONUMENT (MARKED AS NOTED)
- FOUND IRON PIPE (MARKED AS NOTED)
- FOUND IRON ROD (MARKED AS NOTED)
- SET 50' STEEL REBAR AND CAP MARKED 'CHW INC LB 5075'
- (C) CALCULATED DATA
- (M) DATA BASED ON FIELD MEASUREMENTS
- ID IDENTIFICATION
- DB DEED BOOK
- FB FULF BOOK
- PC PAGE
- RW RIGHT OF WAY
- N NORTH
- S SOUTH
- E EAST
- W WEST
- F.F.E FINISHED FLOOR ELEVATION
- INW INVERT
- IR IRON ROD
- CLF CHAIN LINK FENCE
- RCP REINFORCED CONCRETE PIPE
- HDPE HIGH DENSITY POLYETHYLENE
- PVC POLY VINYL CHLORIDE
- CONC CONCRETE
- WPP WOODEN POWER POLE
- N.T.S. NOT TO SCALE
- SCS STORM WATER CONTROL STRUCTURE
- GA GUY ANCHOR
- FOP FIBER OPTIC LINE MARKER
- EP ELECTRIC PANEL
- CL CLEANOUT
- FH FIRE HYDRANT
- ICV IRRIGATION CONTROL VALVE
- SKN SIGN
- SS SANITARY SEWER MANHOLE
- SM STORM SEWER MANHOLE
- SV SEWER VALVE
- WM WATER METER
- SI SIZING INLET
- WL WOODEN LIGHT POLE
- WP WOODEN POWER POLE
- EB ELECTRIC BREAKER BOX
- EB ELECTRIC BOX
- EH ELECTRIC HANDHOLE
- TR TRANSFORMER
- SP SPOUT
- HC HANDICAP PARKING SYMBOL
- BP BACKFLOW PREVENTOR
- TS TREE (SIZE AND TYPE AS NOTED IN TREE TABLE)
- MC METAL COLUMN
- MB MAIL BOX
- BOLL BOLLARD
- AC AIR CONDITIONER
- CL CONTOUR LINE
- ST STORM SEWER LINE
- OE OVERHEAD WIRE
- F FENCE (SIZE AND TYPE AS NOTED)
- AS ASPHALT SURFACE
- DI DIRT SURFACE
- CS CONCRETE SURFACE

8-65 Merchants Way, Ste. 102
3605 Green Cove Rd.
Green Cove Springs, FL 32043
www.chw-inc.com
est. 1988
FLORIDA
CA-5075

CHW
Professional Corporation

GREEN COVE SPRINGS PUBLIC WORKS DEPARTMENT

DATE: 03-14-2022
PROJECT: 21-0513
PROJECT NUMBER: 21-0513
FIELD BOOK & PAGE: JUN 20/25

Professional Surveyor & Mapper, Fla. License No. 6093

KEVIN W. HEWITT

This map prepared by:
Certificate of Authorization No. LB 5075
NOT VALID WITHOUT THE SIGNATURE AND SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER

1 OF 1