



Know what's below. Call before you dig.
 THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE CONTRACTOR. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCURRED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND RESOLVE ANY AND ALL UNDERGROUND UTILITIES.

NOTICE:
 CONSTRUCTION OF THIS PROJECT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE ENGINEER OF RECORD NOR THE CONTRACTOR SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR THE SAFETY OF THE WORK OF PERSONS ENGAGED IN THE WORK OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

24 HOUR EMERGENCY CONTACT

 3205 N. PACE BLVD.
 PENSACOLA
 ESCAMBIA COUNTY, FLORIDA

ATWELL
 866.850.4200 www.atwell-group.com
 1800 PARKWAY, SUITE 700
 MABLETTA, PA 19262
 770-423-0807
 COAF # PFD005084



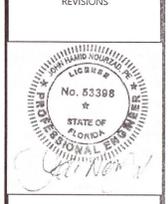
 3205 N. PACE BLVD.
 PENSACOLA
 ESCAMBIA COUNTY, FLORIDA

CEFCO - FAIRFIELD & PACE
 COSTORDE, LLC
 CONSTRUCTION PLANS
 COVER SHEET

DATE 6-8-21

6-15-21
 7-30-21
 8-5-21

REVISIONS



DRAWN BY: JKG
 CHECKED BY: TJB
 PROJECT MANAGER: JKG
 JOB #: 21000381
 FILE CODE: ----
 SHEET NO. **C000**

CONSTRUCTION PLANS FOR CEFCO - FAIRFIELD & PACE

3205 N. PACE BLVD.
 PENSACOLA, ESCAMBIA COUNTY, FLORIDA
 TAX PARCELS: 090S301100000055; 092S301100001049; 092S301100000047

Approved
ESCAMBIA COUNTY DRC PLAN REVIEW
 DRC Chairman Signature: *[Signature]* Date: *10-6-21*
 Printed Name: *Jeffrey Hampton*
 Development Services Director or Designee
 This document has been reviewed in accordance with the requirements of applicable Escambia County Regulations and Ordinances, and does not in any way relieve the submitting Architect, Engineer, Surveyor or other signatory from responsibility of details as drawn. A Development Order (DO) must be obtained through the Development Review Process prior to the commencement of construction. This DO approval does not constitute approval by any other agency. All additional state/federal permits shall be provided to the county prior to approval of a final plat or the issuance of state/federal permits shall be provided to the county prior to approval of a final plat or the issuance of a building permit.

ECUA ENGINEERING MANUAL REFERENCE NOTE:

A. ECUA ENGINEERING MANUAL INCORPORATED BY REFERENCE
 THE ECUA ENGINEERING MANUAL, DATED DECEMBER 18, 2014, ALONG WITH UPDATES) ON SEPT. 1, 2016 (NUMBERED 1, (HEREINAFTER "MANUAL"), LOCATED AT WWW.ECUA.FL.GOV, IS HEREBY INCORPORATED BY REFERENCE INTO THIS PROJECT'S OFFICIAL CONTRACT DOCUMENTS AS IF FULLY SET FORTH THEREIN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE KNOWLEDGEABLE OF THE MANUAL'S CONTENTS AND TO CONSTRUCT THE PROJECT IN ACCORDANCE WITH THE MANUAL. THE CONTRACTOR SHALL PROVIDE ITS EMPLOYEES ACCESS TO THE MANUAL AT ALL TIMES, VIA PROJECT SITE OR OFFICE, VIA DIGITAL OR PAPER FORMAT. IN THE EVENT OF A CONFLICT BETWEEN THE MANUAL AND PLANS, CONTRACTOR SHALL CONSULT ENGINEER OF RECORD FOR PROPER RESOLUTION.

B. ADDITIONAL DOCUMENTS (TO BE COMPLETED BY THE ENGINEER OF RECORD)
 DOES THIS PROJECT HAVE ADDITIONAL TECHNICAL SPECIFICATIONS OR CONSTRUCTION DETAILS THAT SUPPLEMENT AND/OR SUPERSEDE THE MANUAL LISTED ABOVE? YES/NO. IF YES, CONTRACTOR SHALL CONSTRUCT PROJECT IN ACCORDANCE WITH SAID DOCUMENTS AS LISTED AND LOCATED BELOW:

DOCUMENT NAME	DOCUMENT TYPE	LOCATION
	SPECIFICATION	DETAIL PLANS PROJECT MANUAL*
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>

*PROJECT MANUALS USED ONLY WITH ECUA CIP PROJECTS

C. ENGINEER OF RECORD RESPONSIBILITIES THE ENGINEERS OF RECORD (EOR'S) THAT HAVE AFFIXED THEIR SEALS AND SIGNATURES ON THESE PLANS WARRANT THEIR PORTIONS OF THE PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE MANUAL UNLESS OTHERWISE DIRECTED BY THE ECUA PROJECT ENGINEER. THE EOR'S SHALL BE KNOWLEDGEABLE OF THE MANUAL'S CONTENTS AND SHALL ASSUME RESPONSIBILITY FOR ITS USE ON THIS PROJECT.



VICINITY MAP
 N.T.S.

NOTE: BASED ON GRAPHIC DETERMINATION, THIS PROPERTY DOES NOT LIE IN A F.E.M.A./F.I.R.M. SPECIAL FLOOD HAZARD AREA PER COMMUNITY PANEL NO. 12033C0380G DATED SEPT. 29, 2006.

THE SUBJECT PROPERTY AS SHOWN HEREON IS LOCATED IN FLOOD ZONE X (MINIMAL RISK AREAS OUTSIDE THE 1-PERCENT AND 2-PERCENT ANNUAL CHANCE FLOODPLAINS. NO DFES OR BASE FLOOD DEPTHS ARE SHOWN WITHIN THESE ZONES), AS DETERMINED FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP OF ESCAMBIA COUNTY, FLORIDA, COMMUNITY 120080, FIRM MAP PANEL NUMBERS 12033C0380G, MAP REVISION DATED SEPTEMBER 29, 2006.

PREPARED FOR:

COSTORDE, LLC
 C/O DENISE ANDERSON, CCIM
 9764 WHITHORN DR.
 HOUSTON, TX. 77095
 PHONE: (281) 382-7117

ALL ADEQUATE TREE PROTECTION MEASURES AND BARRICADES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE AND MAINTAINED IN GOOD WORKING ORDER UNTIL PROJECT IS COMPLETE AND SITE BECOMES STABILIZED.

THE LAND SHALL REMAIN VEGETATED (TREES INCLUDED, NO FILL MATERIALS PLACED ONSITE, GRADING, EXCAVATING, ETC.) UNTIL SUCH TIME AS PLAN APPROVAL &/OR PROPER PERMITTING ALLOWS FOR SUCH, PER CODE. NOTE- ALL TREE REMOVAL, LAND CLEARING, PLACEMENT OF FILL, "LAND DISTURBING ACTIVITIES", ETC. SHALL BE PERMITTED OR OTHERWISE APPROVED BY THE COUNTY PRIOR TO INITIATION.

THE SUBJECT PARCEL FALLS WITHIN THE TRAVEL TIME CONTOUR OF A PROTECTED (POTABLE) WELLHEAD. CONTRACTORS SHALL BE RESPONSIBLE FOR REPORTING SPILLS OF POTENTIALLY HAZARDOUS SUBSTANCES (I.E. GASOLINE, DIESEL FUEL, HYDRAULIC FLUID, CLEANING PRODUCTS, CHEMICALS, ETC.) TO THE APPROPRIATE STATE (FDEP STATE WARNING POINT 1-800-320-0519) AND LOCAL (ECUA- EMERALD COAST UTILITIES AUTHORITY (850) 476-5110 AND ESCAMBIA COUNTY HEALTH DEPARTMENT/ENVIRONMENTAL HEALTH 595-6712) AGENCIES.

DIRECTIONS TO SITE:

LATITUDE: 30°26'44.8106"N PROJECT IS LOCATED AT THE NORTHWEST CORNER OF W. FAIRFIELD DR. (SR 295) AND N. PACE BLVD. (SR 292), CITY OF PENSACOLA, ESCAMBIA COUNTY, FLORIDA.
 LONGITUDE: -087°14'25.2299" W
 SECTION: 8 AND 9
 TOWNSHIP: 2 SOUTH
 RANGE: 30 WEST
 COUNTY: ESCAMBIA

DEVELOPMENT TEAM

OWNER COSTORDE, LLC 9764 WHITHORN DR. HOUSTON, TX. 77095 PHONE: 281-550-6000 CONTACT: DENISE ANDERSON	CIVIL ENGINEER ATWELL, LLC 9001 AIRPORT FRWY., SUITE 660 NORTH RICHLAND HILLS, TX. 76180 PHONE: (972) 638-8860 CELL: (214) 864-5706 CONTACT: JEFF GREEN	SURVEYOR GUSTIN, COTHERN & TUCKER, INC. 121 HART ST. NICEVILLE, FL. 32578 PHONE: (850) 678-5141 FAX: (850) 729-2460 CONTACT: ALLEN TUCKER, PSM
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PROJECT NARRATIVE

CONSTRUCT A RIGHT TURN LANE AND 24' ACCESS DRIVE OFF OF S.R. 295 (W. FAIRFIELD DR.); AND TO CONSTRUCT A 15' RIGHT-IN-ONLY ACCESS DRIVE OFF OF S.R. 292 (N. PACE BLVD.) (INTO A PROPOSED CEFCO CONVENIENCE STORE AND GASOLINE FUELING STATION.)

NOTE:

USE LATEST FDOT TECHNICAL SPECIFICATIONS AND DETAILS UNLESS OTHERWISE NOTED.

BENCHMARK:

- IRON ROD FOUND AT THE NORTHWEST CORNER OF THE INTERSECTION OF W. FAIRFIELD DRIVE (SR 295), AND N. PACE BLVD. (SR 292), AND BEING THE SOUTHEAST CORNER OF THIS TRACT. ELEVATION=80.32
- CONCRETE MONUMENT FOUND FOR THE NORTHWEST CORNER OF THIS TRACT, LYING ON THE SOUTH ROW LINE OF DELANO ST. APPROX. 290 FT. WEST OF THE INTERSECTION OF DELANO ST. AND N. PACE BLVD. ELEVATION=82.39

SHEET INDEX OF DRAWINGS

SHEET	NAME	ORIG. PLAN DATE	REVISION	REV. PLAN DATE
C000	COVER SHEET	6-8-21	COUNTY COMMENTS	7-30-21
C001	BOUNDARY SURVEY			
C100	GENERAL NOTES			
C110	DEMOLITION PLAN			
C200	SITE PLAN			
C201	SITE PLAN w AUTO TURN			
C202	ENVIRONMENTAL/WELLHEAD PROTECTION MAP			
C210	PAVING PLAN			
C300	GRADING PLAN			
C310	PRE DEVELOPED DRAINAGE AREA MAP			
C320	POST DEVELOPED DRAINAGE AREA MAP			
C330	DRAINAGE PLAN			
C400	UTILITY PLAN			
C401	WATER & SANITARY SEWER PLAN	6-15-21		
C410	SANITARY SEWER PLAN & PROFILE			
C500	EROSION CONTROL PLAN			
C700	DETAILS			
C701	DETAILS			
C702	DETAILS			
C703	DETAILS			
C704	CONTECH DETAILS			

GOVERNING AGENCIES AND UTILITY CONTACTS

FLORIDA DEPT. OF TRANSPORTATION 6025 OLD BAGDAD HWY. MILTON, FL. 32583 PHONE: (850) 981-2737 CONTACT: HEIDI TAYLOR	ESCAMBIA COUNTY (PLANNING DEPT.) 3363 WEST PARK PLACE PENSACOLA, FL. 32505 PHONE: (850) 595-3473 CONTACT: CALEB MACCARTEE	ECUA (WATER&SEWER) PO BOX 17089 PENSACOLA, FL. 32522 PHONE: (850) 969-5832 CONTACT: ROBYN EGAN, E.I.	COX BUSINESS (TELEPHONE) 4771 BAYOU BLVD., SUITE 9 PENSACOLA, FL. 32503 PHONE: (866) 576-0546
ESCAMBIA COUNTY (FIRE DISTRICT) 3363 WEST PARK PLACE PENSACOLA, FL. 32505 PHONE: (850) 595-1815 CONTACT: BRIAN HATLER	ESCAMBIA COUNTY (STORMWATER) 3363 WEST PARK PLACE PENSACOLA, FL. 32505 PHONE: (850) 595-3411 CONTACT: ROZA SESTNOV	PENSACOLA ENERGY (GAS) 1625 ATWOOD DR. PENSACOLA, FL. 32514 PHONE: (850) 474-5319 CONTACT: DIANE MOORE	GULF POWER (ELECTRIC) 75 N. PACE BLVD. PENSACOLA, FL. 32505 PHONE: (850) 429-2615 CONTACT: JUSTIN SCHNADELBACH

THE MAPS, CIVIL ENGINEERING, SURVEYING, AND ARCHITECTURAL DRAWINGS AND SPECIFICATIONS WERE PREPARED BY ATWELL GROUP, INC. (ATWELL) FOR THE PROJECT DESCRIBED HEREIN. ATWELL GROUP, INC. IS NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS IN THESE DRAWINGS OR SPECIFICATIONS. THE USER OF THESE DRAWINGS SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL INFORMATION AND DATA PROVIDED TO ATWELL GROUP, INC. AND FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. ATWELL GROUP, INC. IS NOT A PROFESSIONAL ENGINEER OR ARCHITECT IN THE STATE OF FLORIDA.

LEGAL DESCRIPTION

CHICAGO TITLE INSURANCE COMPANY COMMITMENT #20200390

(W.L. PETREY WHOLESALE COMPANY PARCEL)

THAT PORTION OF LOTS 49 THROUGH 58, INCLUSIVE, HYER PLACE SUBDIVISION, ACCORDING TO PLAT FILED IN PLAT BOOK 1, PAGE 92 OF THE PUBLIC RECORDS OF ESCAMBIA COUNTY, FLORIDA, MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT A POINT ON THE NORTH R/W LINE OF FAIRFIELD DRIVE (STATE ROAD 289-A) HAVING A 120 FOOT R/W, AND ITS INTERSECTION WITH THE WEST R/W LINE OF PACE BOULEVARD (STATE ROAD 292) HAVING AN 80 FOOT R/W FOR THE POINT OF BEGINNING; THENCE NORTH 0'30" EAST ALONG SAID R/W LINE A DISTANCE OF 160 FEET; THENCE NORTH 88'22" WEST PARALLEL TO THE NORTH R/W LINE OF SAID FAIRFIELD DRIVE A DISTANCE OF 240 FEET TO A POINT ON THE WEST LINE OF LOT 58; THENCE SOUTH 0'30" WEST ALONG THE WEST LINE OF LOT 58 AND IT EXTENSION, BEING THE WEST LINE OF LOT 49, A DISTANCE OF 160 FEET TO THE NORTH R/W LINE OF SAID FAIRFIELD DRIVE; THENCE SOUTH 88'22" EAST ALONG SAID NORTH R/W LINE A DISTANCE OF 240 FEET TO THE POINT OF BEGINNING.

CHICAGO TITLE INSURANCE COMPANY COMMITMENT #20200380

(PHONG NGUYEN PARCELS)

PARCEL 1:

LOTS 47, 48 AND 59, HYER PLACE, A SUBDIVISION OF A PORTION OF LOT 9, SECTION 8, AND LOTS 11 AND 16, SECTION 9, ALL IN TOWNSHIP 2 SOUTH, RANGE 30 WEST, ESCAMBIA COUNTY, FLORIDA, ACCORDING TO MAP BY C.H. OVERMAN, CIVIL ENGINEER AND RECORDED IN PLAT BOOK 1, AT PAGE 92 OF THE PUBLIC RECORDS OF SAID COUNTY, LESS AND EXCEPT THE PORTION THEREOF DEEDED TO THE STATE OF FLORIDA FOR ROAD RIGHT OF WAY IN DEED RECORDED IN OFFICIAL RECORDS BOOK 505, AT PAGE 703 OF SAID PUBLIC RECORDS. LESS CIVIL ACTION #70-2226, STATE ROAD 289-A.

PARCEL 2:

A PORTION OF LOT 58, HYER PLACE, A SUBDIVISION OF A PORTION OF LOT 2, SECTION 8 AND 9, TOWNSHIP 2 SOUTH, RANGE 30 WEST, ESCAMBIA COUNTY, FLORIDA, AS RECORDED IN PLAT BOOK 1, PAGE 92 OF THE PUBLIC RECORDS OF SAID COUNTY, MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT INTERSECTION OF THE WEST RIGHT OF WAY LINE OF PACE BOULEVARD (80' R/W) AND THE SOUTH RIGHT OF WAY LINE OF DELANO STREET (60' R/W); THENCE RUN WESTERLY ALONG SAID SOUTH RIGHT OF WAY LINE OF DELANO STREET FOR A DISTANCE OF 200.0 FEET FOR THE POINT OF BEGINNING; THENCE CONTINUE ALONG THE SAME COURSE FOR A DISTANCE OF 40.23 FEET; THENCE DEFLECT 90'05'44" LEFT FOR A DISTANCE OF 98.66 FEET; THENCE DEFLECT 90'17'41" LEFT FOR A DISTANCE OF 40.02 FEET; THENCE DEFLECT 89'35'01" LEFT FOR A DISTANCE OF 99.51 FEET TO THE POINT OF BEGINNING.

CHICAGO TITLE INSURANCE COMPANY COMMITMENT #20200379

(JAY IMPSON PARCEL)

THAT PORTION OF LOTS 54, THROUGH 58, BOTH INCLUSIVE, HYER PLACE SUBDIVISION ACCORDING TO PLAT FILED IN PLAT BOOK 1 AT PAGE 92 OF THE RECORDS OF ESCAMBIA COUNTY, FLORIDA, MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT A POINT ON THE WEST RIGHT OF WAY LINE OF PACE BOULEVARD, (STATE ROAD NO.292, 80 FOOT RIGHT OF WAY), AND ITS INTERSECTION WITH THE SOUTH RIGHT OF WAY LINE OF DELANO STREET, (60 FOOT RIGHT OF WAY), FOR THE POINT OF BEGINNING; THENCE NORTH 89'30" WEST, ALONG SAID SOUTH RIGHT OF WAY LINE, 200.0 FEET; THENCE SOUTH 0'28'39" WEST 99.83 FEET; THENCE SOUTH 88'22" EAST 200.0 FEET TO WEST RIGHT OF WAY LINE; THENCE NORTH 0'30" EAST, ALONG SAID WEST RIGHT OF WAY LINE, 107.75 FEET TO THE POINT OF BEGINNING.

CHICAGO TITLE INSURANCE COMPANY

COMMITMENT #20200390

(DATED: 02 OCT 2020)

THE EXCEPTIONS SHOWN HEREIN ARE LISTED NUMERICALLY COINCIDENT WITH THE SCHEDULE B-II EXCEPTIONS IN THE AFORESAID TITLE COMMITMENT, AND ARE SHOWN FOR CLARIFICATION OF THE INSTRUMENTS AS THEY APPLY TO THIS SURVEY. APPURTENANCES MAY BE ABBREVIATED, INCLUDING APPLICABLE INSTRUMENTS THAT ARE BLANKET IN NATURE ("BLANKET"), AS WELL AS THOSE THAT DO NOT AFFECT THE SUBJECT PARCEL ("DNA").

- 5. O.R. 356/325 (UNAVAILABLE) - SEWER EASEMENT 10' WIDE SANITARY SEWER EASEMENT. DOES NOT AFFECT SUBJECT PARCEL, AND IS SHOWN HEREON.

CHICAGO TITLE INSURANCE COMPANY

COMMITMENT #20200380

(DATED: 02 OCT 2020)

THE EXCEPTIONS SHOWN HEREIN ARE LISTED NUMERICALLY COINCIDENT WITH THE SCHEDULE B-II EXCEPTIONS IN THE AFORESAID TITLE COMMITMENT AND ARE SHOWN FOR CLARIFICATION OF THE INSTRUMENTS AS THEY APPLY TO THIS SURVEY. APPURTENANCES MAY BE ABBREVIATED, INCLUDING APPLICABLE INSTRUMENTS THAT ARE BLANKET IN NATURE ("BLANKET"), AS WELL AS THOSE THAT DO NOT AFFECT THE SUBJECT PARCEL ("DNA").

- 5. O.R. 6171/932 - SIGN EASEMENT EASEMENT FOR SIGN LOCATION. AFFECTS SUBJECT PARCEL, AND IS SHOWN HEREON.

NOTE: O.R. 356/325 - SEWER EASEMENT AFFECTS SUBJECT PARCEL BUT NOT LISTED IN TITLE COMMITMENT

CHICAGO TITLE INSURANCE COMPANY

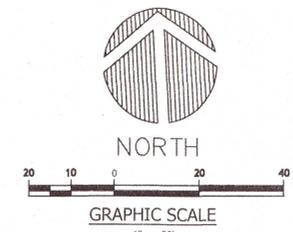
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- 5. O.R. 356/325 - SEWER EASEMENT 10' WIDE SANITARY SEWER EASEMENT. AFFECTS SUBJECT PARCEL, AND IS SHOWN HEREON.

ALTA / NSPS LAND TITLE SURVEY



LEGEND table with symbols for various survey features like manholes, pipes, fences, and easements.

SUBJECT PARCEL (1.84± ACRES) PLAT OF HYER PLACE (PLAT BOOK 1, PAGE 92)

SURVEY REPORT

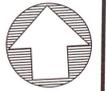
- 1. NO SEARCH OF THE PUBLIC RECORDS WAS DONE BY GUSTIN, COTHERN & TUCKER, INC. VISIBLE EVIDENCE OF EASEMENTS WILL BE SHOWN HEREON, BUT NO CERTIFICATION IS GIVEN THAT EASEMENTS, DEED OVERLAPS, UNDERGROUND IMPROVEMENTS OR APPARENT USES DO NOT EXIST.
2. THIS SURVEY DEPICTED HEREON WAS PREPARED IN ACCORDANCE WITH THE STANDARDS OF PRACTICE FOR PROFESSIONAL SURVEYORS AND MAPPERS AS DEFINED IN CHAPTER 5J-17.051 OF THE FLORIDA ADMINISTRATIVE CODE AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS PURSUANT TO SECTION 472.027 OF THE FLORIDA STATUTES.
3. NO ENVIRONMENTAL JURISDICTIONAL LINES HAVE BEEN DETERMINED BY GUSTIN, COTHERN & TUCKER, INC.
4. APPARENT USES ARE AS SHOWN.
5. THERE MAY BE ADDITIONAL RESTRICTIONS THAT ARE NOT SHOWN ON THIS SURVEY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF ESCAMBIA COUNTY, FLORIDA.
6. BEARINGS SHOWN HEREON ARE REFERENCED TO THE SOUTH R/W LINE OF DELANO STREET, SAID LINE BEARING S 86°47'55" E, AS ESTABLISHED BY STATE PLANE COORDINATES, FLORIDA NORTH ZONE, NORTH AMERICAN DATUM OF 1983.
7. THE DISTANCES SHOWN HEREON ARE IN U.S. SURVEY FEET.
8. THIS PARCEL LIES IN FLOOD ZONE X (NO MINIMUM), AS DETERMINED BY SCALE FROM FEMA PANEL #12033C0380 G, DATED 9/29/2006, AND FURNISHED BY ESCAMBIA COUNTY GEOGRAPHIC INFORMATION SERVICE.
9. NOTICE OF LIABILITY: THIS SURVEY IS CERTIFIED TO THOSE INDIVIDUALS SHOWN ON THE FACE THEREOF. ANY OTHER USE, BENEFIT OR RELIANCE BY ANY OTHER PARTY IS STRICTLY PROHIBITED AND RESTRICTED. SURVEYOR IS RESPONSIBLE ONLY TO THOSE CERTIFIED AND HEREBY DISCLAIMS ANY OTHER LIABILITY AND HEREBY RESTRICTS THE RIGHTS OF ANY OTHER INDIVIDUAL OR FIRM TO USE THIS SURVEY, WITHOUT EXPRESS WRITTEN CONSENT OF THE SURVEYOR.
10. ELEVATIONS SHOWN HEREON ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88).

SURVEYOR'S CERTIFICATE

TO FIKES WHOLESALE, INC., AND FIRST NATIONAL LAND TITLE CO.: THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS. THE FIELD WORK WAS COMPLETED ON 09 DEC 2020. DATE OF PLAT OR MAP: 11 AUGUST 2021 ALLEN E. TUCKER, PROFESSIONAL SURVEYOR AND MAPPER LICENSE #4584

Vertical text on the left margin: 8/11/2021 11:28 AM FOWLER G:\Survey-Pro\2020\000798-CEFCO\PC001 FAIRFIELD & PACE BLVD\ALTA\ALTA 20200390.Dwg Color Fairfield & Pace Blvd ALTA BND.dwg

Right margin containing company logo (Gustin, Cothern & Tucker, Inc.), contact information, and a table of revision dates.



Know what's below. Call before you dig.
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24 HOUR EMERGENCY CONTACT

ATWELL
 866.850.4200 www.atwell-group.com
 9001 AIRPORT FREEWAY, SUITE 660
 NORTH RICHLAND HILLS, TX 77268
 972.638.8860

3205 N. PACE BLVD.
 PENSACOLA
 ESCAMBIA COUNTY, FLORIDA

CEFCO - FAIRFIELD & PACE
 COSTORDE, LLC
 CONSTRUCTION PLANS
 PRE-DEV/DRAINAGE AREA MAP

DATE 4-14-21
 6-8-21
 8-11-21

REVISIONS



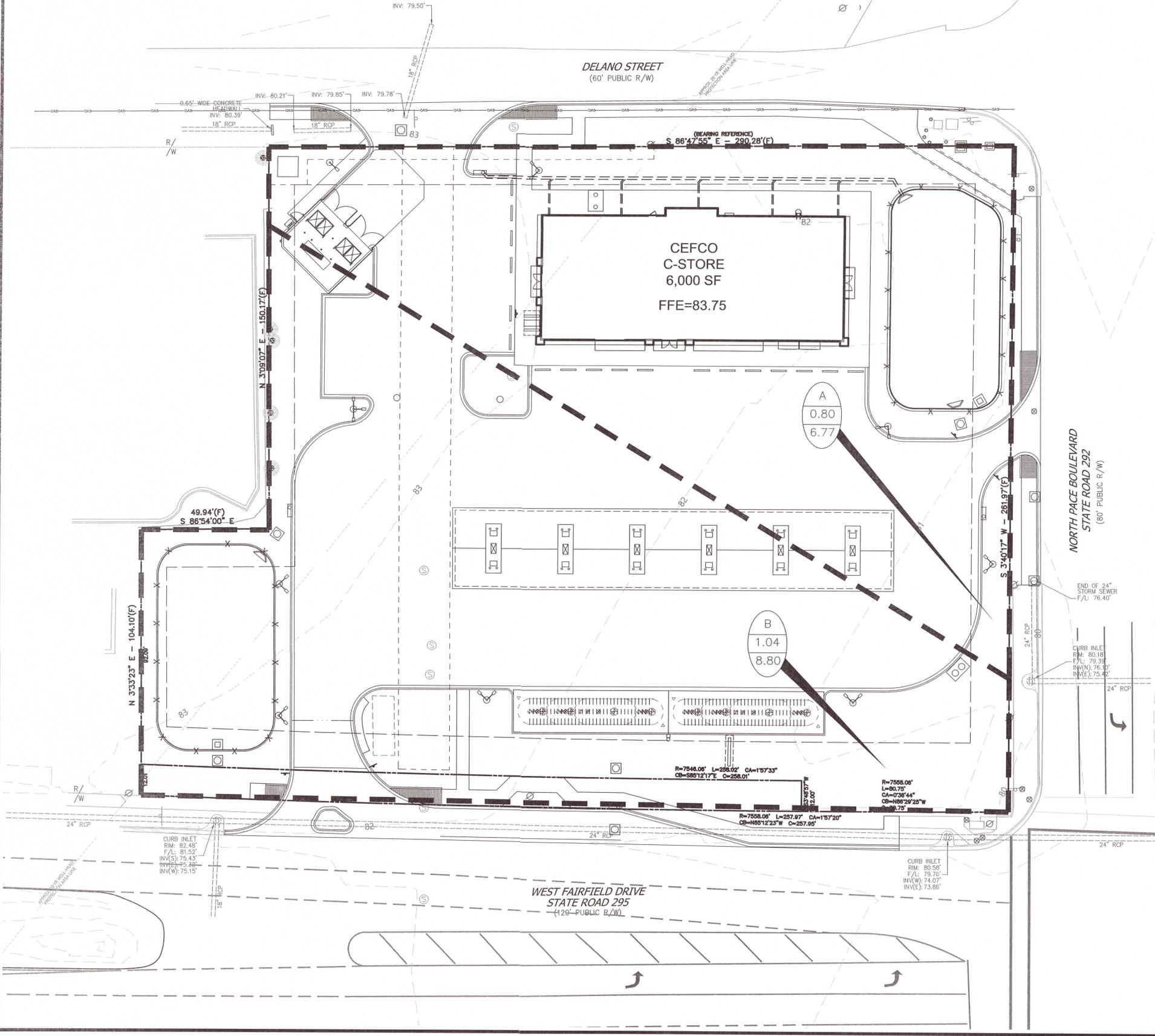
SCALE: 1"=20'

DRAWN BY: JKG
 CHECKED BY: TJB
 PROJECT MANAGER: JKG
 JOB #: 21000381
 FILE CODE: ---
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24 HOUR EMERGENCY CONTACT

ATWELL
www.atwellgroup.com
866.850.4300
300 W. NORTH RICHLAND HILLS, TX 76180
972.638.8860

3205 N. PACE BLVD.
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CEFCO - FAIRFIELD & PACE
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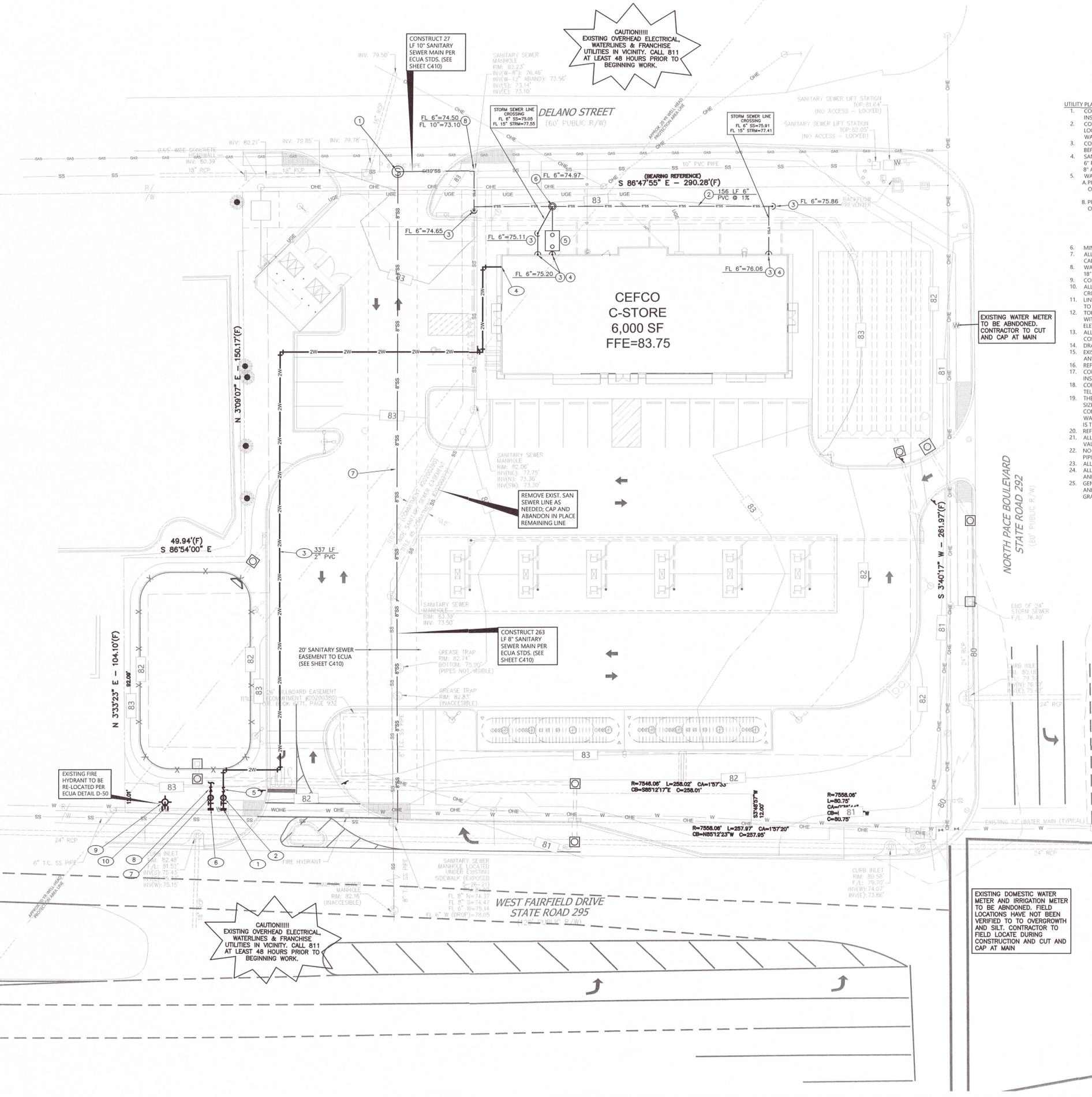
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CHECKED BY: TJB
PROJECT MANAGER: JKG
JOB #: 21000381
FILE CODE: ---
SHEET NO. C401

ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT ADDITION OF ECUA'S ENGINEERING MANUAL.



CAUTION!!!
EXISTING OVERHEAD ELECTRICAL UTILITIES IN VICINITY. CALL 811 AT LEAST 48 HOURS PRIOR TO BEGINNING WORK.

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ALL ADEQUATE TREE PROTECTION MEASURES AND BARRICADES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE AND MAINTAINED IN GOOD WORKING ORDER UNTIL PROJECT IS COMPLETE AND SITE BECOMES STABILIZED.

THE LAND SHALL REMAIN VEGETATED (TREES INCLUDED), NO FILL MATERIALS PLACED ONSITE, GRADING, EXCAVATING, ETC.) UNTIL SUCH TIME AS PLAN APPROVAL &/OR PROPER PERMITTING ALLOWS FOR SUCH, PER CODE. NOTE- ALL TREE REMOVAL, LAND CLEARING, PLACEMENT OF FILL, LAND DISTURBING ACTIVITIES, ETC. SHALL BE PERMITTED OR OTHERWISE APPROVED BY THE COUNTY PRIOR TO INITIATION.

THE SUBJECT PARCEL FALLS WITHIN THE TRAVEL TIME CONTOUR OF A PROTECTED (POTABLE) WELLHEAD. CONTRACTORS SHALL BE RESPONSIBLE FOR REPORTING SPILLS OF POTENTIALLY HAZARDOUS SUBSTANCES (I.E. GASOLINE, DIESEL FUEL, HYDRAULIC FLUID, CLEANING PRODUCTS, CHEMICALS, ETC.) TO THE APPROPRIATE STATE (FDEP STATE WARNING POINT 1-800-320-0519) AND LOCAL (ECUA - EMERALD COAST UTILITIES AUTHORITY (850) 476-5110 AND ESCAMBIA COUNTY HEALTH DEPARTMENT/ENVIRONMENTAL HEALTH 595-6712) AGENCIES.

EXISTING DOMESTIC WATER METER AND IRRIGATION METER TO BE ABANDONED. CONTRACTOR TO FIELD LOCATE DURING CONSTRUCTION AND CUT AND CAP AT MAIN

EXISTING WATER METER TO BE ABANDONED. CONTRACTOR TO CUT AND CAP AT MAIN

REMOVE EXIST. SAN SEWER LINE AS NEEDED, CAP AND ABANDON IN PLACE REMAINING LINE

CONSTRUCT 263 LF 8" SANITARY SEWER MAIN PER ECUA STDS. (SEE SHEET C410)

CONSTRUCT 27 LF 10" SANITARY SEWER MAIN PER ECUA STDS. (SEE SHEET C410)

FILE NAME: C:\Users\jkg\OneDrive - Atwell Group\Documents - Atwell Group\Projects\21000381 - Fairfield & Pace, Pensacola, FL - 21000381.dwg
DATE PLOTTED: 8/11/2021 8:08 AM
PLOTTER: HP DesignJet T1100e
SCALE: 1"=20'



Know what's below.
Call before you dig.
THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MAY BE OCCURRED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND RESOLVE ANY AND ALL UNDERGROUND UTILITIES.

NOTICE: CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE HELD RESPONSIBLE FOR ANY INJURY OR DAMAGE TO PERSONS OR PROPERTY OF ANY KIND OR FOR ANY OTHER PERSONS.

24 HOUR EMERGENCY CONTACT
866.850.4200 www.atwell-group.com
9001 AIRPORT FREEWAY, SUITE 660
NORTH RICHLAND HILLS, TX 79238-8880



3205 N. PACE BLVD.
PENSACOLA
FLORIDA
ESCAMBIA COUNTY, FLORIDA

CEFCO - FAIRFIELD & PACE
COSTORDE, LLC
CONSTRUCTION PLANS
EROSION CONTROL PLAN

DATE
6-8-21
7-30-21
8-11-21

REVISIONS



DRAWN BY: JKG
CHECKED BY: TJB
PROJECT MANAGER: JKG
JOB #: 21000381
FILE CODE: ---
SHEET NO. C500

EROSION CONTROL DATA (PHASE 1)	
TOTAL PROPERTY AREA	1.84 AC
DISTURBED AREA	2.0 AC
SEDIMENT STORAGE REQUIRED (67 CY PER ACRE)	134 CY
SEDIMENT STORAGE PROVIDED	134 CY

ALL ADEQUATE TREE PROTECTION MEASURES AND BARRICADES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE AND MAINTAINED IN GOOD WORKING ORDER UNTIL PROJECT IS COMPLETE AND SITE BECOMES STABILIZED.

THE LAND SHALL REMAIN VEGETATED (TREES INCLUDED, NO FILL MATERIALS PLACED ON SITE, GRADING, EXCAVATING, ETC.) UNTIL SUCH TIME AS PLAN APPROVAL &/OR PROPER PERMITTING ALLOWS FOR SUCH, PER CODE. NOTE- ALL TREE REMOVAL, LAND CLEARING, PLACEMENT OF FILL, "LAND DISTURBING ACTIVITIES", ETC. SHALL BE PERMITTED OR OTHERWISE APPROVED BY THE COUNTY PRIOR TO INITIATION.

THE SUBJECT PARCEL FALLS WITHIN THE TRAVEL TIME CONTOUR OF A PROTECTED (POTABLE) WELLHEAD. CONTRACTORS SHALL BE RESPONSIBLE FOR REPORTING SPILLS OF POTENTIALLY HAZARDOUS SUBSTANCES (I.E. GASOLINE, DIESEL FUEL, HYDRAULIC FLUID, CLEANING PRODUCTS, CHEMICALS, ETC.) TO THE APPROPRIATE STATE (FDEP STATE WARNING POINT 1-800-320-0519) AND LOCAL (ECUA - EMERALD COAST UTILITIES AUTHORITY (850) 476-5110 AND ESCAMBIA COUNTY HEALTH DEPARTMENT/ENVIRONMENTAL HEALTH 595-6712) AGENCIES.

BENCHMARK:

- IRON ROD FOUND AT THE NORTHWEST CORNER OF THE INTERSECTION OF W. FAIRFIELD DRIVE (SR 295), AND N. PACE BLVD. (SR 292), AND BEING THE SOUTHEAST CORNER OF THIS TRACT. ELEVATION=80.32
- CONCRETE MONUMENT FOUND FOR THE NORTHWEST CORNER OF THIS TRACT LYING ON THE SOUTH ROW LINE OF DELANO ST. APPROX. 250 FT. WEST OF THE INTERSECTION OF DELANO ST. AND N. PACE BLVD. ELEVATION=82.39

EROSION CONTROL LEGEND:

- PROPERTY LINE
- PROPOSED CONTOUR ELEVATION
- EXISTING CONTOUR ELEVATION
- PROPOSED CONSTRUCTION ENTRANCE SEE DETAIL NO 33A, SHEET C-7.1
- PROPOSED SILT FENCE SEE DETAIL NO. 31A, SHEET C-7.1
- PROPOSED CURB INLET PROTECTION SEE DETAIL NO. 33E, SHEET C-7.1

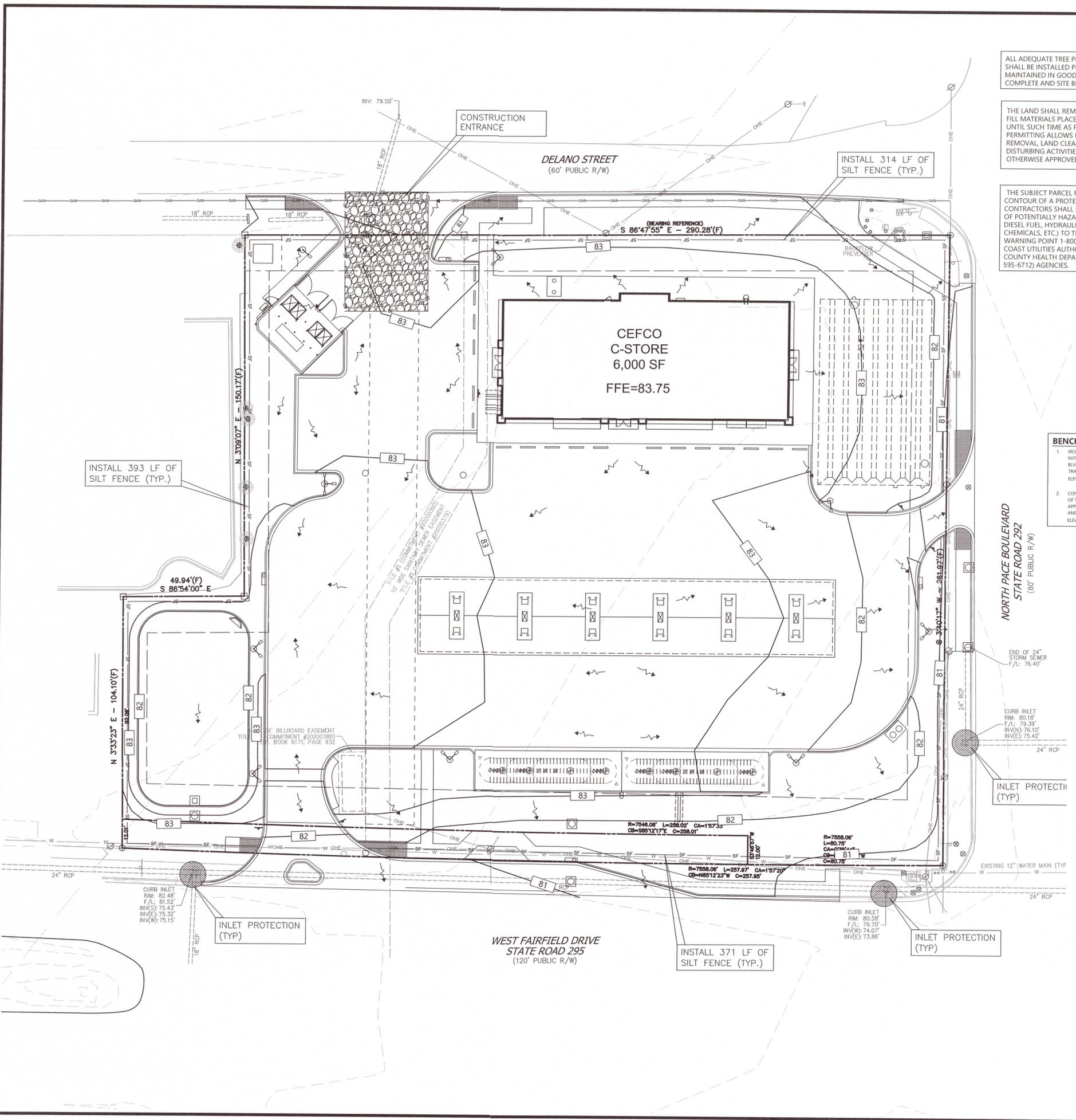
CONSTRUCTION PHASING:

PHASE 1 - SITE DEMO AND GRADING
PHASE 2 - UTILITY INSTALLATION
PHASE 3 - PAVING OF SITE
PHASE 4 - LANDSCAPING / SOIL STABILIZATION

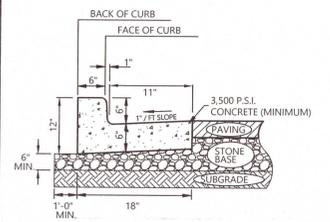
TOTAL SITE = 1.84 ACRES
TOTAL AREA DISTURBED = 2.0 ACRES

TPDES GENERAL NOTES:

- CONTRACTOR MUST DEVELOP AND IMPLEMENT A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND SUBMIT TO CITY PRIOR TO CONSTRUCTION.
- CONTRACTOR MUST POST A SIGNED COPY OF THE CONSTRUCTION SITE NOTICE AT THE SITE AT ALL TIMES DURING CONSTRUCTION.
- CONTRACTOR MUST PROVIDE A COPY OF THE SIGNED CONSTRUCTION SITE NOTICE TO THE COUNTY AT LEAST 2 DAYS PRIOR TO BEGINNING CONSTRUCTION.

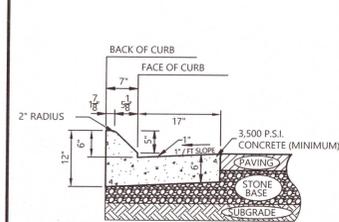


FILE NAME: C:\Users\jkg\OneDrive - Atwell LLC\Desktop\21000381 - Fairfield & Pace Properties FL - 21000381_L101A - PRODUCTION\CS00 EROSION CONTROL PLAN.dwg LAST SAVED BY: jkg Date: 8/2/2021 10:00 AM PLOTTED BY: jkg Date: 8/17/2021 PAPER: ARCH FULL BLEED D (36.00 X 36.00 INCHES) SOURCE: Bing to HP.PDF PLOT STYLE: ATWELL.ctb



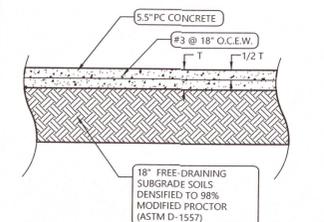
- NOTES**
1. EXPANSION JOINTS REQUIRED AT ALL STRUCTURES AND CURB RETURNS. 25 FOOT MAXIMUM DISTANCE BETWEEN EXPANSION JOINTS.
 2. 3,500 P.S.I. CONCRETE WITH SMOOTH FINISH.
 3. COMPACT SUBGRADE TO 95% STANDARD PROCTOR.
 4. SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.

STANDARD 18\"/>



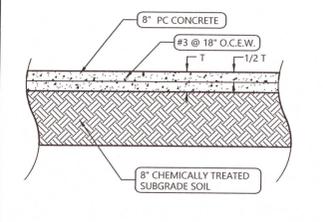
- NOTES**
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 2. 3,500 P.S.I. CONCRETE WITH SMOOTH FINISH.
 3. COMPACT SUBGRADE TO 95% STANDARD PROCTOR.
 4. SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.

MOUNTABLE CONCRETE CURB AND GUTTER "A"



THIS PAVEMENT DETAIL IS BASED ON THE GEOTECHNICAL REPORT FOR FIKE'S WHOLESALE, INC. BY NOVA, DATED FEBRUARY 3, 2021. THE CONTRACTOR SHOULD CLARIFY ANY DISCREPANCY BETWEEN THE GEOTECHNICAL REPORT AND THIS DETAIL PRIOR TO BIDDING OR CONSTRUCTING.

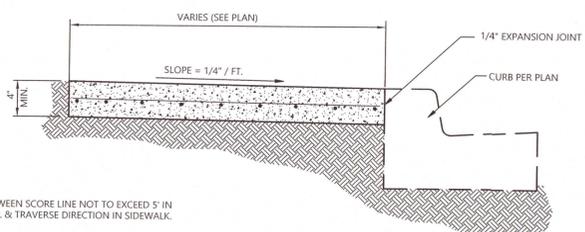
MEDIUM DUTY PAVING



THIS PAVEMENT DETAIL IS BASED ON THE GEOTECHNICAL REPORT FOR FIKE'S WHOLESALE, INC. BY NOVA, DATED FEBRUARY 3, 2021. THE CONTRACTOR SHOULD CLARIFY ANY DISCREPANCY BETWEEN THE GEOTECHNICAL REPORT AND THIS DETAIL PRIOR TO BIDDING OR CONSTRUCTING.

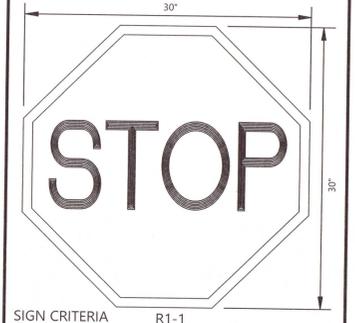
HEAVY DUTY PAVING

- NOTES**
1. ACCESSIBLE RAMPS, PER D.O.T. SPECIFICATIONS, TO BE PROVIDED AT ALL LOCATIONS SHOWN ON PLANS.
 2. REINFORCING SHALL BE NO. 3 BARS AT 18\"/>



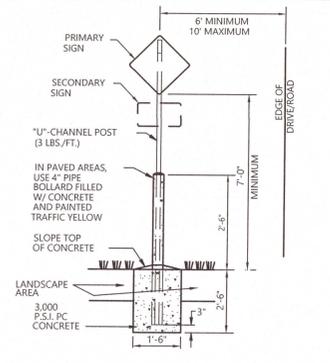
NOTE
DISTANCE BETWEEN SCORE LINE NOT TO EXCEED 5' IN LONGITUDINAL & TRAVERSE DIRECTION IN SIDEWALK.

CONCRETE SIDEWALK



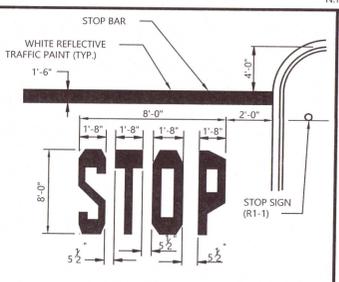
SIGN CRITERIA
BACKGROUND: RED
LETTERING: WHITE
BORDER: WHITE
REFERENCE: MUTCD

"STOP" SIGN



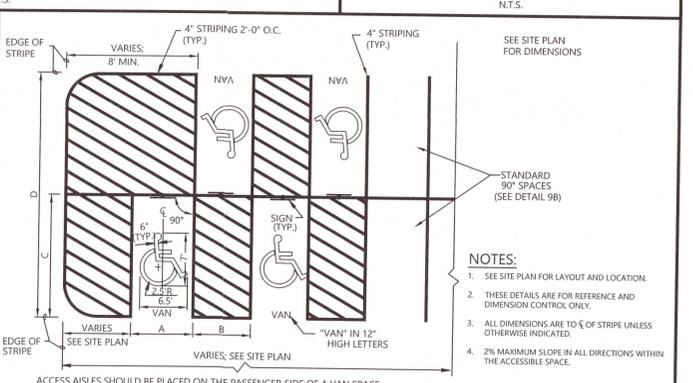
- NOTES:**
1. SIGN SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS AND ALL FEDERAL, STATE, AND LOCAL CODES.
 2. CONCRETE BOLLARD AROUND POST IS NECESSARY WHERE SIGN IS TO BE WITHIN 2' OF TRAVEL LANE OR PARKING SPACE.

SIGN BASE IN LANDSCAPE AREA



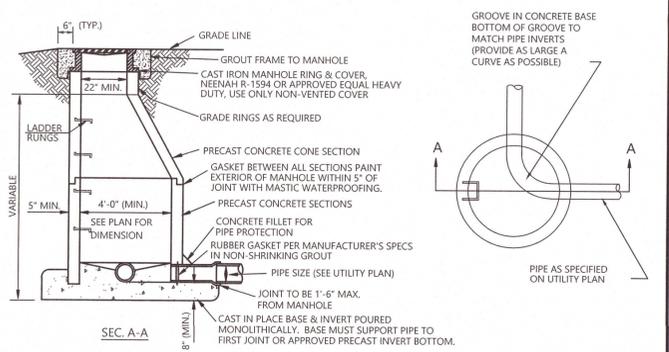
NOTES:
WORDS AND ARROWS FOR DRIVEWAYS SHALL BE APPLIED ACCORDING TO REQUIREMENTS AS OUTLINED IN SECTION 3B-20 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.

STOP BAR

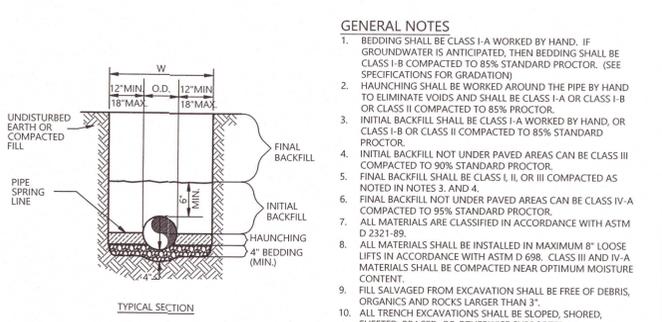


- NOTES:**
1. SEE SITE PLAN FOR LAYOUT AND LOCATION.
 2. THESE DETAILS ARE FOR REFERENCE AND DIMENSION CONTROL ONLY.
 3. ALL DIMENSIONS ARE TO FACE OF STRIPE UNLESS OTHERWISE INDICATED.
 4. 2% MAXIMUM SLOPE IN ALL DIRECTIONS WITHIN THE ACCESSIBLE SPACE.

90° VAN ACCESSIBLE PARKING SPACE STRIPING



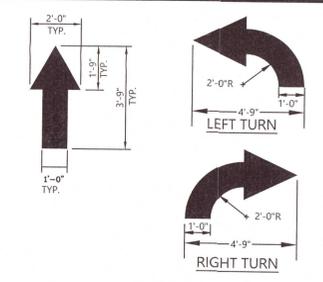
PRE-CAST SANITARY SEWER MANHOLE



SANITARY SEWER AND WATER LINE TRENCH AND BEDDING

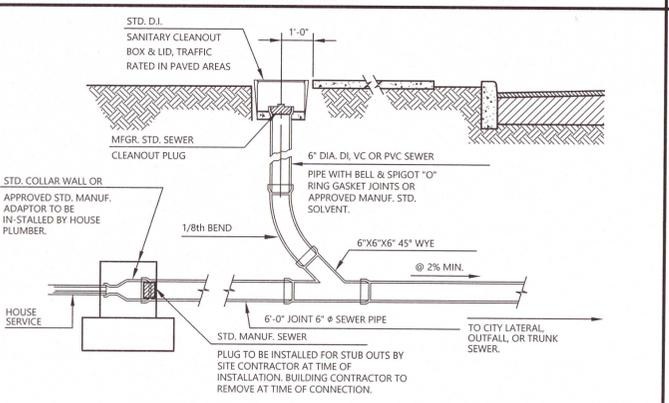
- GENERAL NOTES**
1. BEDDING SHALL BE CLASS I-A WORKED BY HAND. IF GROUNDWATER IS ANTICIPATED, THEN BEDDING SHALL BE CLASS I-B COMPACTED TO 85% STANDARD PROCTOR. (SEE SPECIFICATIONS FOR GRADATION)
 2. HAUNCHING SHALL BE WORKED AROUND THE PIPE BY HAND TO ELIMINATE VOIDS AND SHALL BE CLASS I-A OR CLASS I-B OR CLASS II COMPACTED TO 85% PROCTOR.
 3. INITIAL BACKFILL SHALL BE CLASS I-A WORKED BY HAND, OR CLASS I-B OR CLASS II COMPACTED TO 85% STANDARD PROCTOR.
 4. INITIAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS III COMPACTED TO 90% STANDARD PROCTOR.
 5. FINAL BACKFILL SHALL BE CLASS I, II, OR III COMPACTED AS NOTED IN NOTES 3. AND 4.
 6. FINAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS IV-A COMPACTED TO 95% STANDARD PROCTOR.
 7. ALL MATERIALS ARE CLASSIFIED IN ACCORDANCE WITH ASTM D 2321-89.
 8. ALL MATERIALS SHALL BE INSTALLED IN MAXIMUM 8\"/>

PRE-CAST CONCRETE WHEELSTOP

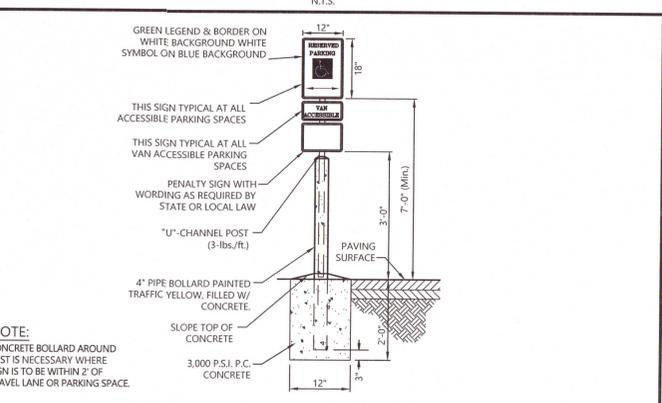


- NOTES:**
1. WORDS AND ARROWS FOR DRIVEWAYS SHALL BE APPLIED ACCORDING TO REQUIREMENTS AS OUTLINED IN SECTION 3B-20 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
 2. ALL TRAFFIC FLOW ARROWS TO BE SOLID WHITE REFLECTIVE TRAFFIC PAINT OR MEET LOCAL REQUIREMENTS.

PARKING LOT FLOW ARROW



STANDARD SANITARY CLEAN-OUT



NOTE:
CONCRETE BOLLARD AROUND POST IS NECESSARY WHERE SIGN IS TO BE WITHIN 2' OF TRAVEL LANE OR PARKING SPACE.

VAN ACCESSIBLE PARKING SIGN

811
Know what's below.
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24 HOUR EMERGENCY CONTACT

ATWELL
www.atwell-group.com
866.850.4200
9001 AIRPORT FREEWAY, SUITE 660
NORTH RICHLAND HILLS, TX
972.538.8860

CEFCO - FAIRFIELD & PACE
COSTORDE, LLC
CONSTRUCTION PLANS
DETAILS

3205 N. PACE BLVD.
PENSACOLA
ESCAMBIA COUNTY, FLORIDA

DATE: 6-8-21
7-30-21

REVISIONS

NO. 53398
STATE OF FLORIDA
PROFESSIONAL ENGINEER

DRAWN BY: JKG
CHECKED BY: TJB
PROJECT MANAGER: JKG
JOB #: 2100381
FILE CODE: ----
SHEET NO. C700

Know what's below.
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NOTICE
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24 HOUR EMERGENCY CONTACT

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 866.850.4200 www.atwell-group.com
 9001 AIRPORT FREEWAY, SUITE 660
 NORTH RICHMOND, TEXAS 75480



3205 N. PACE BLVD.
 PENSACOLA
 ESCAMBIA COUNTY, FLORIDA

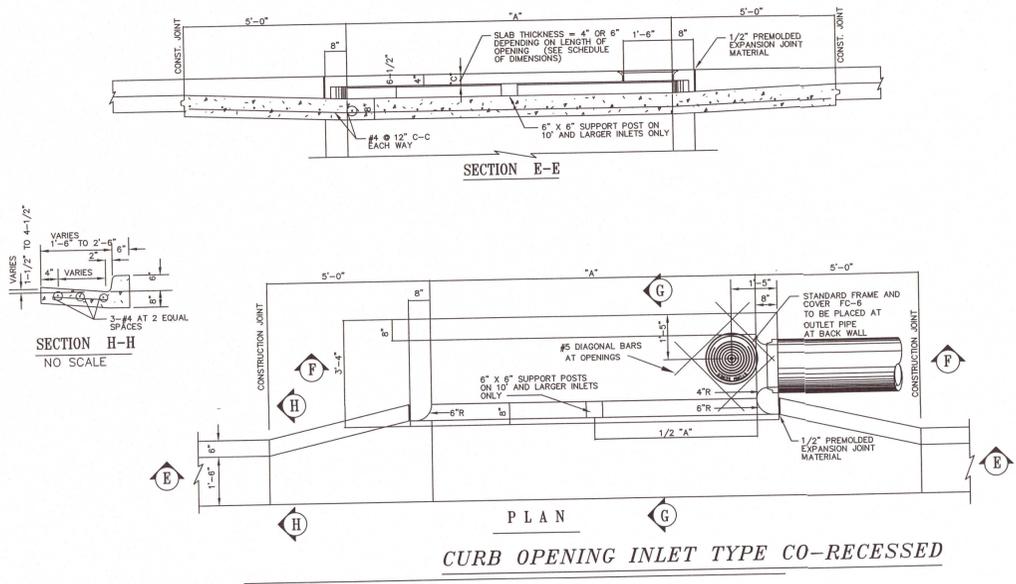
CEFCO - FAIRFIELD & PACE
 COSTORDE, LLC
 CONSTRUCTION PLANS
 DETAILS

DATE 6-8-21
 7-30-21

REVISIONS

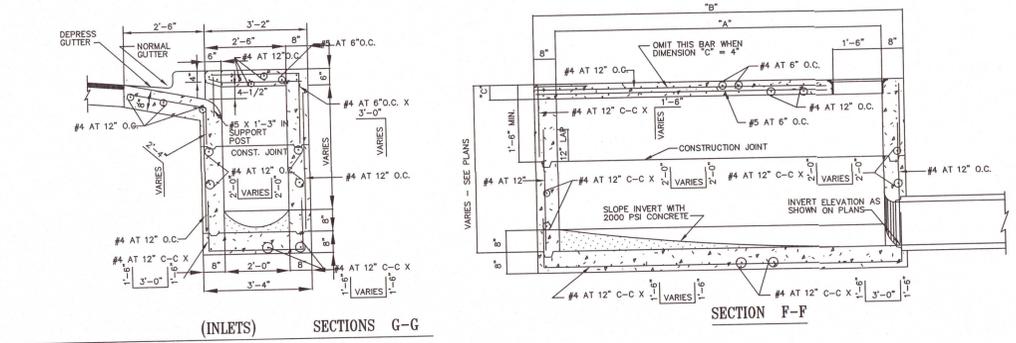
FLORIDA PROFESSIONAL ENGINEER
 No. 53398
 STATE OF FLORIDA
 J. G. Green

DRAWN BY: JKG
 CHECKED BY: TJB
 PROJECT MANAGER: JKG
 JOB #: 21000381
 FILE CODE: ----
 SHEET NO. C702

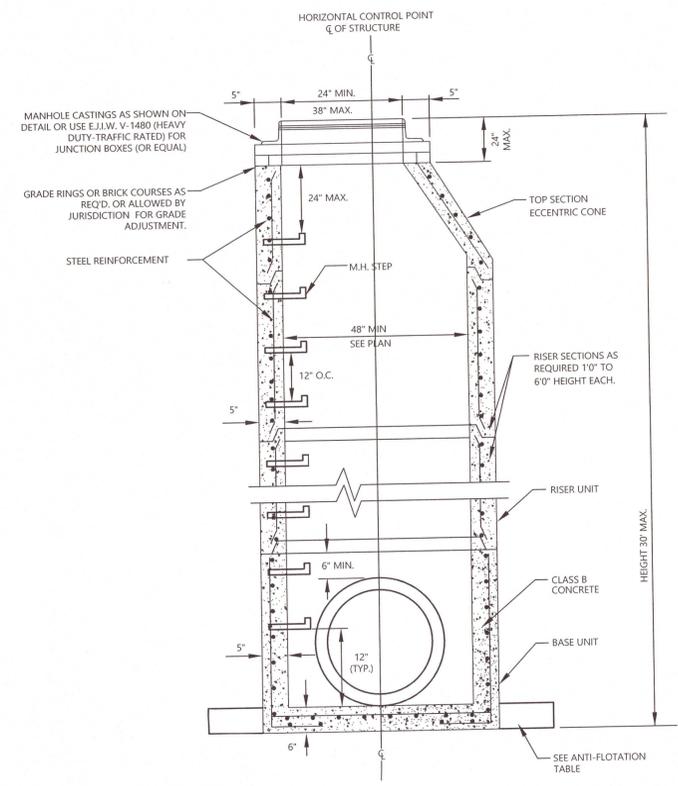


GENERAL NOTES:
 SEE PLAN SHEETS FOR INLET SIZE, LOCATION AND ELEVATIONS.
 CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 POUNDS PER SQUARE INCH AT 28 DAYS UNLESS OTHERWISE NOTED. DESIGN MIX FOR 3000 POUND CONCRETE SHALL CONTAIN A MINIMUM OF 5 SACKS OF CEMENT PER CUBIC YARD.
 ALL REINFORCING STEEL SHALL BE DEFORMED NEW BILLET INTERMEDIATE GRADE CONFORMING TO ASTM SPECS A-19-56T AND A-305-56T OR LATEST REVISIONS.
 STEEL COVER SHALL BE 2" FROM CENTER OF OUTSIDE LAYER OF STEEL TO FACE OF CONCRETE.
 DIMENSIONS RELATING TO REINFORCING STEEL SHALL BE TO CENTER OF BARS.
 CONSTRUCTION JOINTS WILL BE PERMITTED AS SHOWN ON PLANS.
 SEE OTHER STANDARD DRAWINGS FOR FRAME AND COVER DETAILS.
 INLET SIZES NOTED ON PLANS REFER TO DIMENSION "A".
 PRE-CAST INLETS TO BE BEDDED WITH 3/4" ROCK.
 WHERE GROUND WATER IS ENCOUNTERED, ALL LOOSE AND SPONGY MATERIAL WILL BE REMOVED AND 6" MINIMUM 3/4" WASHED ROCK WILL BE INSTALLED FOR BASE SUB-GRADE.
 PLACE RING & COVER AT OUTLET PIPE.

OPENING #	OUTSIDE "B"	TOP SLAB "C"
3'-0"	4'-4"	6"
4'-0"	5'-4"	6"
5'-0"	6'-4"	6"
6'-0"	7'-4"	6"
8'-0"	9'-4"	6"
10'-0"	11'-4"	6"
12'-0"	13'-4"	6"
14'-0"	15'-4"	6"
AND LARGER	"A" + 16"	6"



STANDARD CURB INLET
 N.T.S.



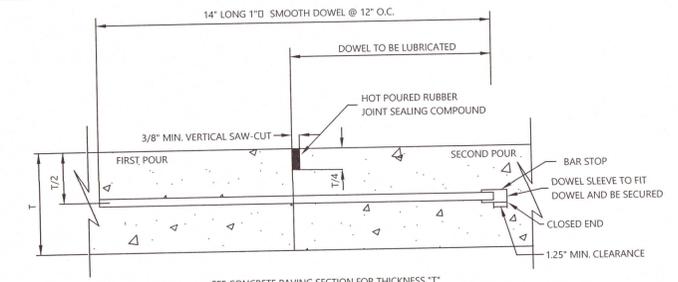
TYPICAL PRECAST STORM SEWER MANHOLE
 N.T.S.

SPECIFICATIONS:

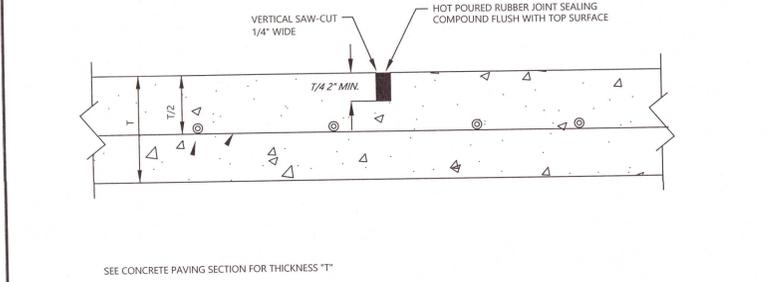
- COMPRESSIVE: 4000 PSI @ 28 DAYS
- LOADING: AASHTO HS-20 TRAFFIC LOADING
- STRUCTURE: DESIGN TO CONFORM WITH PRECAST REINFORCED CONCRETE MANHOLE SECTIONS A.S.T.M. DESIGNATION C478.
- REINFORCEMENT: COMPLIES WITH ASTM A-615 GRADE 60 AND/OR A.S.T.M. AT 188S BAR BENDING AND PLACEMENT SHALL COMPLY WITH THE LATEST ACI STANDARDS.
- SITE PREPARATION: THE STRUCTURE SHALL BE PLACED ON A COMPACTED GRANULAR BASE TO INSURE UNIFORM DISTRIBUTION OF SOIL PRESSURES.
- WATER TABLE: BASE DESIGN ON 2'0" BELOW GRADE SEE GEOTECHNICAL REPORT PROVIDED BY OWNER PRIOR TO MANUFACTURE DESIGN
- STEPS: COPOLYMER POLYPROPYLENE PLASTIC 1/2" GRADE 60 STEEL REINFORCEMENT

CIRCULAR MANHOLE FOOTER CHART (ANTI-FLOTATION IN PONDS)

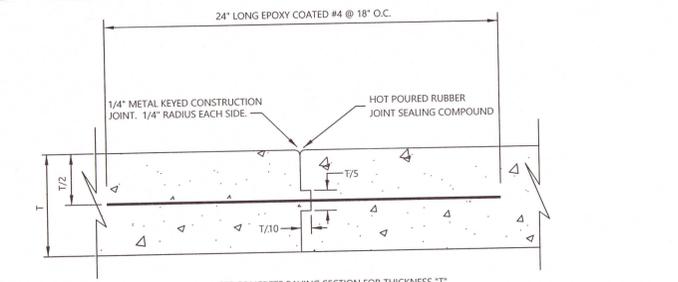
HT.	DIAMETER	DEPTH	DIAMETER	DEPTH	DIAMETER	DEPTH
20'	9'	2.75'	7.5'	3.25'	6'	4.00'
18'	9'	2.50'	7.5'	3.00'	6'	3.50'
16'	9'	2.25'	7.5'	2.67'	6'	3.25'
14'	9'	2.00'	7.5'	2.25'	6'	2.75'
12'	9'	1.75'	7.5'	2.00'	6'	2.50'
10'	9'	1.50'	7.5'	1.75'	6'	2.00'
8'	9'	1.25'	7.5'	1.33'	6'	1.67'
6'	9'	1.00'	7.5'	1.00'	6'	1.25'
4'	9'	0.83'	7.5'	0.83'	6'	0.83'
2'	9'	0.83'	7.5'	0.83'	6'	0.83'



CONSTRUCTION JOINT DETAIL
 N.T.S.

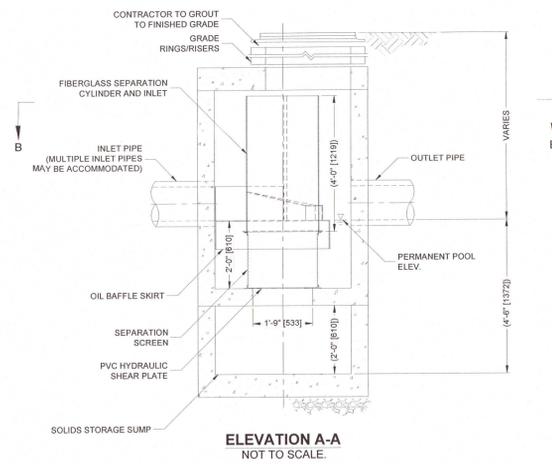
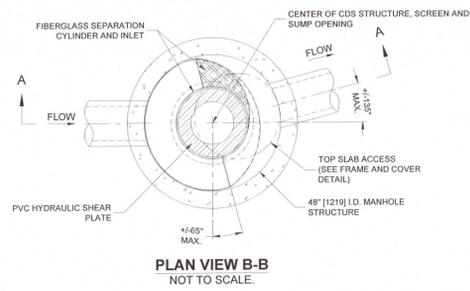


CONTROL JOINT
 N.T.S.



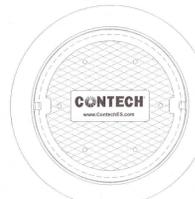
KEYED CONSTRUCTION JOINT DETAIL
 N.T.S.

I:\CONCRETE\TREATMENT\22 CDS\4-C\DWG\CONCRETE\CDS2015-4-C-DWG.dwg 6/8/2021 3:28 PM



CDS2015-4-C DESIGN NOTES

CDS2015-4-C STANDARD CONFIGURATION IS SHOWN.
FOR NJDEP PROJECTS, PLEASE CONTACT YOUR LOCAL CONTECH REPRESENTATIVE FOR APPROVED CONFIGURATIONS.



SITE SPECIFIC DATA REQUIREMENTS

STRUCTURE ID			
WATER QUALITY FLOW RATE (CFS OR L/s)	*		
PEAK FLOW RATE (CFS OR L/s)	*		
RETURN PERIOD OF PEAK FLOW (YRS)	*		
SCREEN APERTURE (2400 OR 4700)	*		
PIPE DATA			
	I.E.	MATERIAL	DIAMETER
INLET PIPE 1	*	*	*
INLET PIPE 2	*	*	*
OUTLET PIPE	*	*	*
RIM ELEVATION			
*			
ANTI-FLOTATION BALLAST	WIDTH	HEIGHT	
	*	*	
NOTES/SPECIAL REQUIREMENTS:			
* PER ENGINEER OF RECORD			

GENERAL NOTES

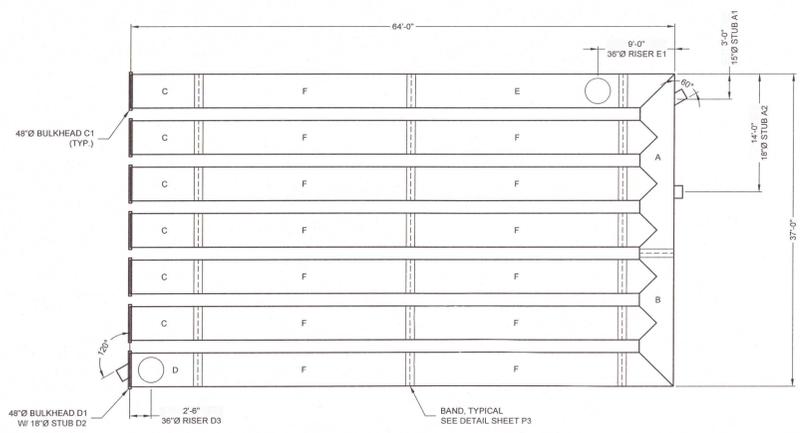
- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
- FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE www.contechES.com
- CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
- STRUCTURE SHALL MEET AASHTO HS20 LOAD RATING, ASSUMING EARTH COVER OF 0' - 2' AND GROUNDWATER ELEVATION AT OR BELOW THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M308 AND BE CAST WITH THE CONTECH LOGO.
- IF REQUIRED, PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.
- CDS STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C-478 AND AASHTO LOAD FACTOR DESIGN METHOD.

INSTALLATION NOTES

- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
- CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE.
- CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE.
- CONTRACTOR TO PROVIDE, INSTALL, AND GROUT INLET AND OUTLET PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN. ALL PIPE CENTERLINES TO MATCH PIPE OPENING CENTERLINES.
- CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

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CDS2015-4-C
ONLINE CDS
STANDARD DETAIL



STUB INFORMATION		
PIECE	STUB INVERT	SYSTEM INVERT
15"Ø STUB A1	77.00	77.00
18"Ø STUB A2	77.00	77.00
18"Ø STUB D2	77.00	77.00

RISER INFORMATION		
PIECE	RIM ELEV.	SYSTEM INVERT
36"Ø RISER D3	83.00	77.00
36"Ø RISER E1	83.00	77.00

THE UNDERSIGNED HEREBY APPROVES THE ATTACHED (5) PAGES INCLUDING THE FOLLOWING:

- PIPE STORAGE = 5,743 CF
- MAINLINE PIPE GAGE = 16
- WALL TYPE = SOLID
- DIAMETER = 48"
- FINISH = ALT2
- CORRUGATION = 2 2/3x1/2

CUSTOMER _____ DATE _____

ASSEMBLY
 SCALE: 1" = 10'
 PIPE STORAGE: 5,743 CF
 STRUCTURAL BACKFILL STORAGE: 2,259 CF
 TOTAL STORAGE PROVIDED: 8,002 CF
 LOADING: H20
 PIPE INV. = 77.00±

- NOTES**
- ALL RISER AND STUB DIMENSIONS ARE TO CENTERLINE.
 - ALL ELEVATIONS, DIMENSIONS, AND LOCATIONS OF RISERS AND INLETS, SHALL BE VERIFIED BY THE ENGINEER OF RECORD (EOR) PRIOR TO RELEASING FOR FABRICATION.
 - ALL FITTINGS AND REINFORCEMENT COMPLY WITH ASTM A998.
 - ALL RISERS AND STUBS ARE 2 2/3" x 1/2" CORRUGATION AND 16 GAGE UNLESS OTHERWISE NOTED.
 - RISERS TO BE FIELD TRIMMED TO GRADE AS REQUIRED, BY CONTRACTOR.
 - QUANTITY OF PIPE SHOWN DOES NOT PROVIDE EXTRA PIPE FOR CONNECTING THE SYSTEM TO EXISTING PIPE OR DRAINAGE STRUCTURES. OUR SYSTEM AS DETAILED PROVIDES NOMINAL INLET AND/OR OUTLET PIPE STUB FOR CONNECTION TO EXISTING DRAINAGE FACILITIES. IF ADDITIONAL PIPE IS NEEDED IT IS THE RESPONSIBILITY OF THE CONTRACTOR.
 - ALL ACCESS CASTINGS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND ARE NOT SUPPLIED BY CONTECH.

The design and information shown on this drawing is provided by the client. The engineer, designer, and contractor shall verify the accuracy of the information provided. The engineer, designer, and contractor shall be responsible for the accuracy of the information provided. The engineer, designer, and contractor shall be responsible for the accuracy of the information provided.

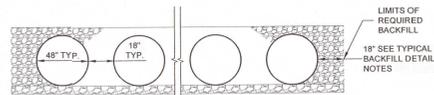
NO.	DATE	REVISION DESCRIPTION	BY

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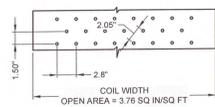
48"Ø PERFORATED UNDERGROUND RETENTION SYSTEM -
 678750-020
 CEFCO FAIRFIELD AND PACE
 PENSACOLA, FL
 SITE DESIGNATION: B-2

PROJECT NO.	REV. NO.	DATE
678750	020	8/4/2021
DESIGNED	SJ	DRAWN
CHECKED	SJ	APPROVED
SHEET NO.	P1	OF 5



TYPICAL SECTION VIEW
NOT TO SCALE

EDGE SPACING EQUAL ON BOTH SIDES



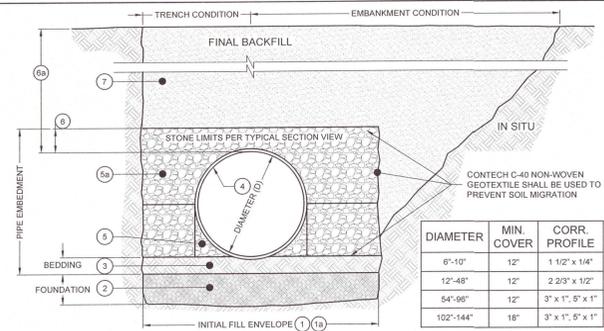
- NOTES:
1. PERFORATIONS MEET AASHTO AND ASTM SPECIFICATIONS.
 2. PERFORATION OPEN AREA PER SQUARE FOOT OF PIPE IS BASED ON THE NOMINAL DIAMETER AND LENGTH OF PIPE.
 3. DIMENSIONS SUBJECT TO MANUFACTURER'S TOLERANCES.
 4. ALL HOLES 3/8" Ø.

EXFILTRATION AREA
STANDARD PERFORATION PATTERNS

PIPE	CORRUGATION PATTERN			
	2 2/3" x 1/2"	3" x 1"	5" x 1"	ULTRA FLO
48" Ø	48.9 SQ. IN.	51.6 SQ. IN.		

- NOTES:
- GAGE AND COATING LIMITATIONS APPLY. 5" x 1" IS NOT AVAILABLE IN ALUMINUM.
 - DIMENSIONS SUBJECT TO MANUFACTURER'S TOLERANCES.

TYPICAL PERFORATION DETAIL
NOT TO SCALE



1. MINIMUM TRENCH WIDTH MUST ALLOW ROOM FOR PROPER COMPACTION OF HAUNCH MATERIALS UNDER THE PIPE. THE TRENCH WIDTH IS THE MINIMUM AMOUNT REQUIRED FOR PROPER INSTALLATION AND TO SUPPORT HORIZONTAL PRESSURE FROM THE PIPE. THE MANUFACTURER'S SUGGESTED MINIMUM VALUE IS 1.5D + 12".
 - 1a. MINIMUM EMBANKMENT WIDTH (IN FEET) FOR INITIAL FILL ENVELOPE: 3.0D BUT NO LESS THAN 4' 0".
 2. FOUNDATION SHALL BE WELL CONSOLIDATED & STABLE, CAPABLE OF SUPPORTING FILL MATERIAL LOAD.
 3. GRANULAR BEDDING MATERIAL SHALL BE A RELATIVELY LOOSE MATERIAL THAT IS ROUGHLY SHAPED TO FIT THE BOTTOM OF THE PIPE. 2" MIN DEPTH. THE BEDDING MATERIAL MAY BE SUITABLE FOUNDATION SOILS CONFORMING TO AASHTO SOIL CLASSIFICATIONS A1, A2, OR A3.
 4. CORRUGATED STEEL PIPE (CSP / HEL-COR).
 5. HAUNCH ZONE MATERIAL SHALL BE HAND SHOVELED OR SHOVEL SLICED INTO PLACE TO ALLOW FOR PROPER COMPACTION.
 - 5a. THE BACKFILL MATERIAL SHALL BE A VIRGIN, FREE-DRAINING, ANGULAR, WASHED STONE CONFORMING TO AN AASHTO M 43 GRADATION HAVING A PARTICLE SIZE OF 1/2" - 2" MATERIAL. SHALL BE PLACED IN 12" MAXIMUM LIFTS AND SHALL BE WORKED INTO THE PIPE HAUNCHES BY MEANS OF SHOVEL-SLICING, RODDING, AIR-TAMPER, VIBRATORY PLATE OR OTHER EFFECTIVE METHODS. COMPACTION IS CONSIDERED ADEQUATE WHEN A DENSITY EQUIVALENT TO 90% STANDARD PROCTOR IS ACHIEVED OR WHEN NO FURTHER YIELDING OF THE MATERIAL IS OBSERVED UNDER THE COMPACTOR OR UNDER FOOT. THE PROJECT ENGINEER OR HIS REPRESENTATIVE MUST BE SATISFIED WITH THE LEVEL OF COMPACTION. INADEQUATE COMPACTION CAN LEAD TO EXCESSIVE PIPE DEFLECTIONS AND SETTLEMENT OF THE SOILS OVER THE SYSTEM. BACKFILL SHALL BE PLACED SUCH THAT THERE IS NO MORE THAN A TWO-LIFT DIFFERENTIAL BETWEEN THE SIDES OF ANY PIPE IN THE SYSTEM AT ALL TIMES DURING THE BACKFILL PROCESS. BACKFILL SHALL BE ADVANCED ALONG THE LENGTH OF THE SYSTEM AT THE SAME RATE TO AVOID DIFFERENTIAL LOADING ON ANY PIPES IN THE SYSTEM.
 6. INITIAL BACKFILL MATERIAL ABOVE THE PIPE MAY INCLUDE OPEN-GRADED MATERIAL ROAD BASE, OR STABILIZED SUB-GRADE MATERIAL ASSOCIATED WITH THE PAVEMENT SECTION, AS DESIGNED BY THE PROJECT ENGINEER OR COMPACTED SUITABLE FILL CONFORMING TO AASHTO SOIL CLASSIFICATION A1, A2, OR A3. REFER TO TYPICAL SECTION VIEW AND TABLE ABOVE.
 - 6a. TOTAL HEIGHT OF COMPACTED COVER FOR CONVENTIONAL HIGHWAY LOADS IS MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TOP OF RIGID PAVEMENT.
 7. FINAL BACKFILL MATERIAL SELECTION AND COMPACTION REQUIREMENTS SHALL FOLLOW THE PROJECT PLANS AND SPECIFICATIONS PER THE ENGINEER OF RECORD.
- NOTES:
- FOR MULTIPLE BARREL INSTALLATIONS THE RECOMMENDED STANDARD SPACING BETWEEN PARALLEL PIPE RUNS SHALL BE PIPE DIA / 2 BUT NO LESS THAN 12", OR 36" FOR PIPE DIAMETERS 72" AND LARGER. CONTACT YOUR CONTECH REPRESENTATIVE FOR NONSTANDARD SPACING.

TYPICAL BACKFILL DETAIL
NOT TO SCALE

THE DESIGNER AND CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES.

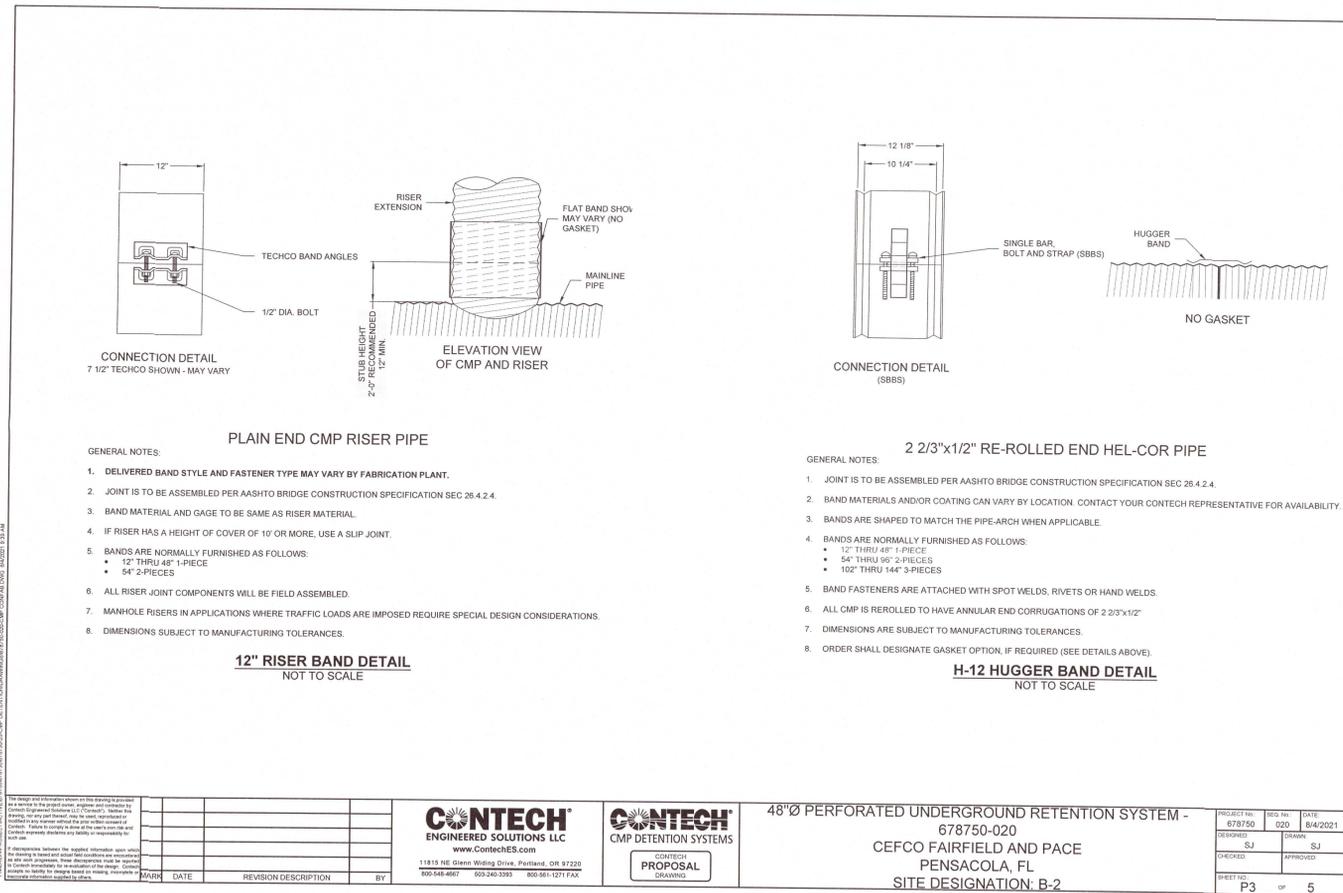
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48" Ø PERFORATED UNDERGROUND RETENTION SYSTEM -
678750-020
CEFCO FAIRFIELD AND PACE
PENSACOLA, FL
SITE DESIGNATION: B-2

PROJECT NO.	ISS. NO.	DATE
678750	020	8/4/2021
DESIGNED BY	CHECKED BY	APPROVED BY
SJ	SJ	
SHEET NO.	OF	
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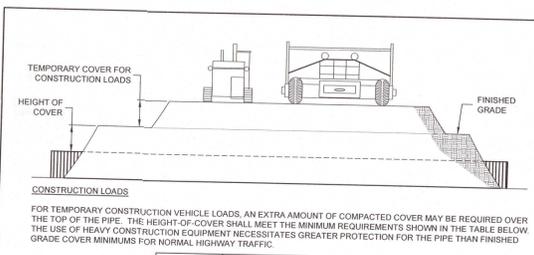
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48"Ø PERFORATED UNDERGROUND RETENTION SYSTEM -
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P3	5	



PIPE SPAN, INCHES	AXLE LOADS (kips)			
	18-50	50-75	75-110	110-150
	MINIMUM COVER (FT)			
12-42	2.0	2.5	3.0	3.0
48-72	3.0	3.0	3.5	4.0
78-120	3.0	3.5	4.0	4.0
126-144	3.5	4.0	4.5	4.5

*MINIMUM COVER MAY VARY, DEPENDING ON LOCAL CONDITIONS. THE CONTRACTOR MUST PROVIDE THE ADDITIONAL COVER REQUIRED TO AVOID DAMAGE TO THE PIPE. MINIMUM COVER IS MEASURED FROM THE TOP OF THE PIPE TO THE TOP OF THE MAINTAINED CONSTRUCTION ROADWAY SURFACE.

CONSTRUCTION LOADING DIAGRAM
NOT TO SCALE

SPECIFICATION FOR CORRUGATED STEEL PIPE-ALUMINIZED TYPE 2 STEEL

SCOPE
THIS SPECIFICATION COVERS THE MANUFACTURE AND INSTALLATION OF THE CORRUGATED STEEL PIPE (CSP) DETAILED IN THE PROJECT PLANS.

MATERIAL
THE ALUMINIZED TYPE 2 STEEL COILS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF AASHTO M274 OR ASTM A829.

PIPE
THE CSP SHALL BE MANUFACTURED IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF AASHTO M274 OR ASTM A829. THE PIPE SIZES, GAGES AND CORRUGATIONS SHALL BE AS SHOWN ON THE PROJECT PLANS.

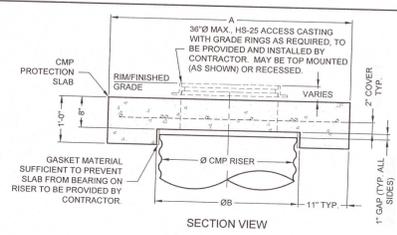
ALL FABRICATION OF THE PRODUCT SHALL OCCUR WITHIN THE UNITED STATES.

HANDLING AND ASSEMBLY
SHALL BE IN ACCORDANCE WITH RECOMMENDATIONS OF THE NATIONAL CORRUGATED STEEL PIPE ASSOCIATION (NCSPA).

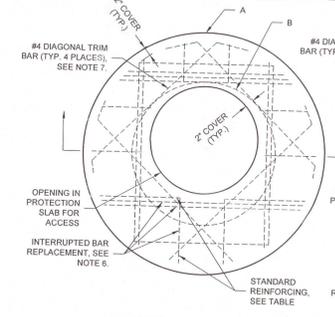
INSTALLATION
SHALL BE IN ACCORDANCE WITH AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, SECTION 26, DIVISION II OR ASTM A758 AND IN CONFORMANCE WITH THE PROJECT PLANS AND SPECIFICATIONS. IF THERE ARE ANY INCONSISTENCIES OR CONFLICTS THE CONTRACTOR SHOULD DISCUSS AND RESOLVE WITH THE SITE ENGINEER.

IT IS ALWAYS THE RESPONSIBILITY OF THE CONTRACTOR TO FOLLOW OSHA GUIDELINES FOR SAFE PRACTICES.

MATERIAL SPECIFICATION
NOT TO SCALE



ACCESS CASTING NOT SUPPLIED BY CONTECH

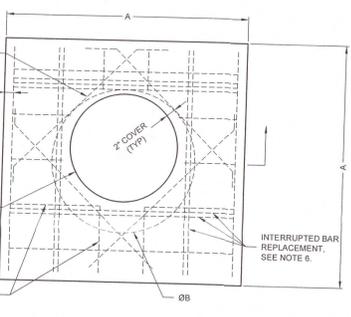


ROUND OPTION PLAN VIEW

- NOTES:
- DESIGN IN ACCORDANCE WITH AASHTO, 17th EDITION AND ACI 350.
 - DESIGN LOAD HS25.
 - EARTH COVER = 1' MAX.
 - CONCRETE STRENGTH = 4,000 psi
 - REINFORCING STEEL = ASTM A615, GRADE 60.
 - PROVIDE ADDITIONAL REINFORCING AROUND OPENINGS EQUAL TO THE BARS INTERRUPTED, HALF EACH SIDE. ADDITIONAL BARS TO BE IN THE SAME PLANE.

REINFORCING TABLE				
Ø CMP RISER	A	B Ø	REINFORCING	**BEARING PRESSURE (PSF)
24"	4'0" 4x4'	20"	#5 @ 10" OCEW #5 @ 10" OCEW	2,540 1,900
30"	4'-6" Ø 4'-6" x 4'-6"	32"	#5 @ 10" OCEW #5 @ 9" OCEW	2,260 1,670
36"	5'0" Ø 5' x 5'	38"	#5 @ 9" OCEW #5 @ 8" OCEW	2,060 1,500
42"	5'-6" Ø 5'-6" x 5'-6"	44"	#5 @ 8" OCEW #5 @ 8" OCEW	1,400 1,370
48"	6'0" Ø 6' x 6'	50"	#5 @ 7" OCEW #5 @ 7" OCEW	1,210 1,270

** ASSUMED SOIL BEARING CAPACITY



SQUARE OPTION PLAN VIEW

- TRIM OPENING WITH DIAGONAL #4 BARS. EXTEND BARS A MINIMUM OF 12" BEYOND OPENING. BEND BARS AS REQUIRED TO MAINTAIN BAR COVER.
- PROTECTION SLAB AND ALL MATERIALS TO BE PROVIDED AND INSTALLED BY CONTRACTOR.
- DETAIL DESIGN BY DELTA ENGINEERS, ARCHITECTS AND LAND SURVEYORS, ENDWELL, NY.

MANHOLE CAP DETAIL
NOT TO SCALE

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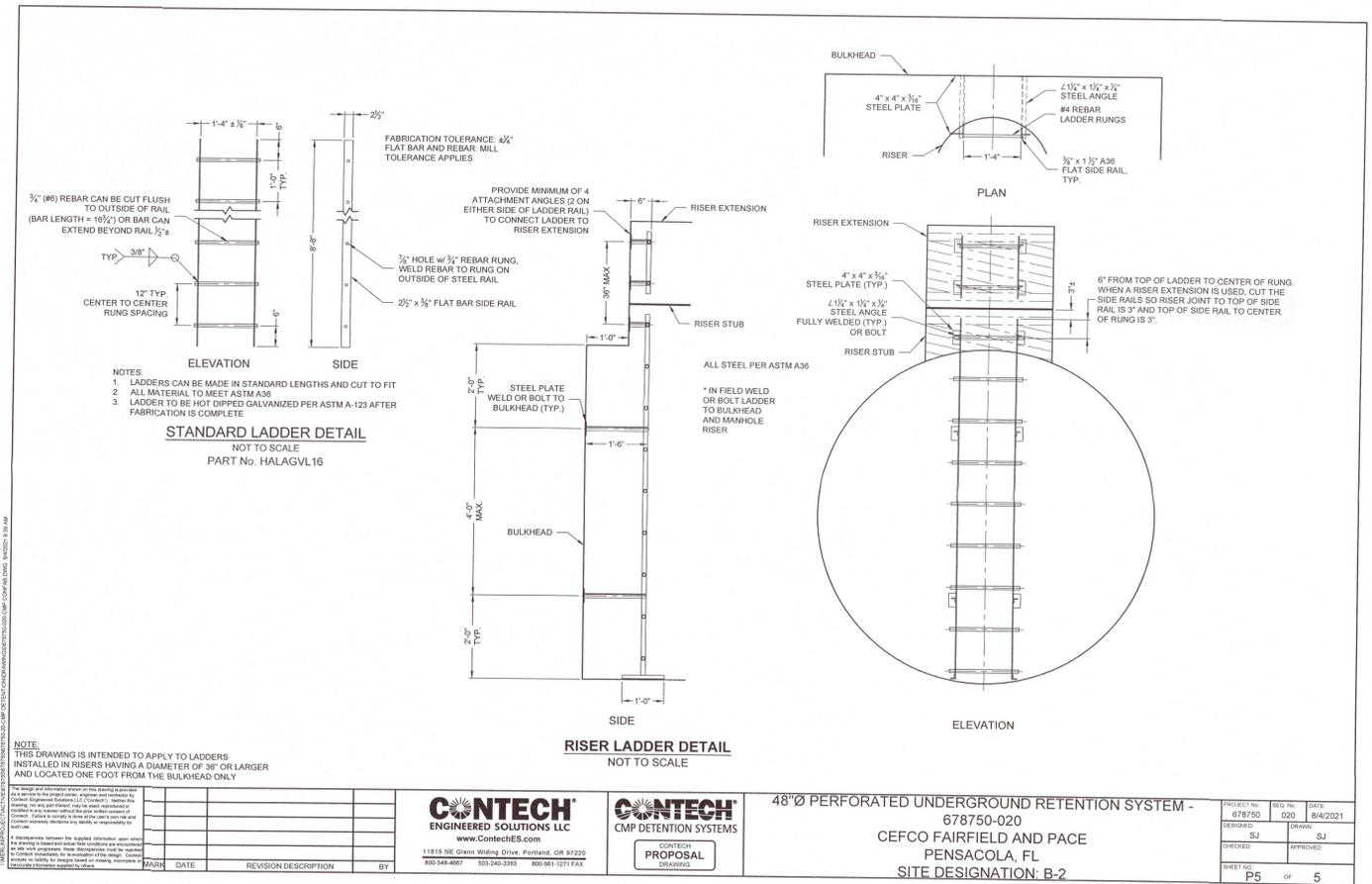
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48"Ø PERFORATED UNDERGROUND RETENTION SYSTEM -
678750-020
CEFCO FAIRFIELD AND PACE
PENSACOLA, FL
SITE DESIGNATION: B-2

PROJECT NO.	REV. NO.	DATE
678750	020	8/4/2021
CHECKED BY	DESIGNED BY	
SJ	SJ	
APPROVED BY		
SHEET NO.	OF	
P4	5	



NOTE:
THIS DRAWING IS INTENDED TO APPLY TO LADDERS
INSTALLED IN RISERS HAVING A DIAMETER OF 36" OR LARGER
AND LOCATED ONE FOOT FROM THE BULKHEAD ONLY

NOTES:
1. LADDERS CAN BE MADE IN STANDARD LENGTHS AND CUT TO FIT
2. ALL MATERIAL TO MEET ASTM A36
3. LADDER TO BE HOT DIPPED GALVANIZED PER ASTM A-123 AFTER FABRICATION IS COMPLETE

STANDARD LADDER DETAIL
NOT TO SCALE
PART No. HALAGVL16

RISER LADDER DETAIL
NOT TO SCALE

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48"Ø PERFORATED UNDERGROUND RETENTION SYSTEM -
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PENSACOLA, FL
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PROJECT NO.	678750	SHEET NO.	020	DATE	04/2021
DESIGNED	SJ	DRAWN	SJ		
CHECKED		APPROVED			
SHEET NO.	P5	OF	5		

LANDSCAPE LEGEND

GROUND COVER

31,000± S.F. INCLUDING 10% FOR WASTE
BERMUDA 410 SOD
CYANODON DACTYLON 'TIFF 419'

15 VARIEGATED FLAX LILY
DIANELLA TASMANICA 'VARIEGATA'
1 GAL. 3" O.C.

675± S.F. INCLUDING 10% FOR WASTE
PINE BARK MULCH
3" DEEP MINIMUM

SHRUBS

11 JAPANESE YEW
PODOCARPUS MACROPHYLLUS
3 GAL. 3" O.C.

11 'SWEET' VIBURNUM
VIBURNUM ODORATISSIMUM
3 GAL. 4" O.C.

SHADE TREES

10 BALD CYPRESS
TAXODIUM DISTICHUM
2.5" CALIPER

9 LIVE OAK
QUERCUS VIRGINIANA
2.5" CALIPER

TREE MITIGATION REQUIREMENTS

TOTAL SITE AREA	MAXIMUM REQUIREMENT	MITIGATION PROVIDED
80,502 S.F./1.84 ACRES	25 INCHES PER ACRE/46 INCHES	(18) 2.5" CALIPER TREES

LANDSCAPING REQUIREMENTS

LANDSCAPE AREA REQUIRED - BASED ON TOTAL SITE AREA

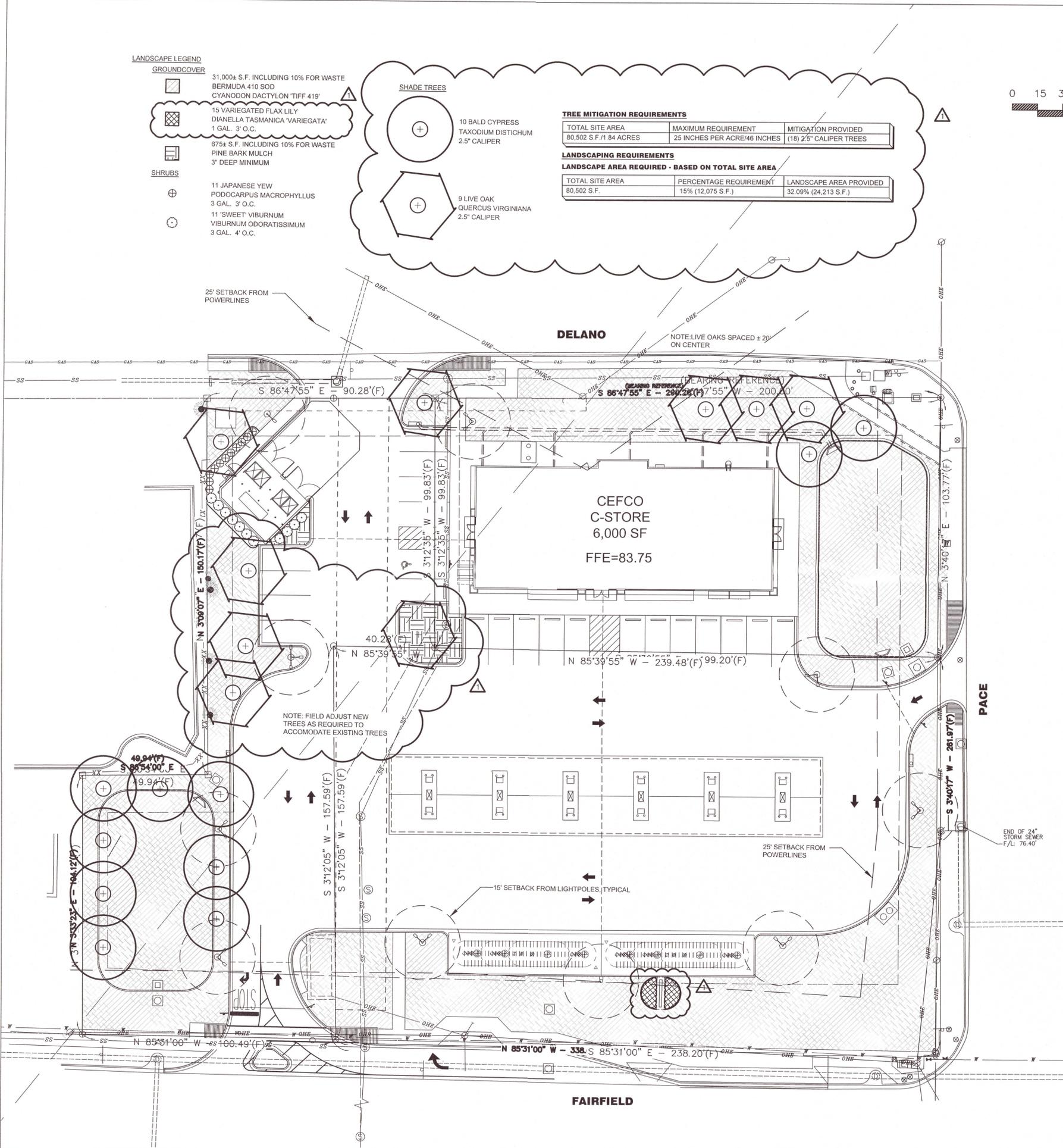
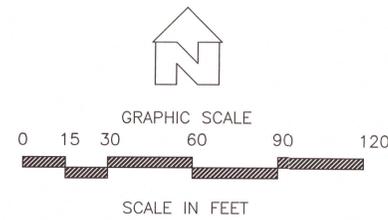
TOTAL SITE AREA	PERCENTAGE REQUIREMENT	LANDSCAPE AREA PROVIDED
80,502 S.F.	15% (12,075 S.F.)	32,09% (24,213 S.F.)

LANDSCAPE NOTES:

- LOCATE ALL UTILITIES BEFORE DIGGING. PROTECT ALL UTILITIES FROM DAMAGE DURING CONSTRUCTION.
- ELIMINATE EXISTING VEGETATION IN AREAS TO BE PLANTED. SPRAY WITH ROUNDUP AT MANUFACTURER'S RECOMMENDED RATE TWICE IN 14 DAYS.
- TOP DRESS ALL AREAS TO RECEIVE PLANTINGS WITH 2" FINISHED MUSHROOM COMPOST PRIOR TO PLANTING.
- ALL PLANT MATERIAL FLORIDA #1 OR BETTER.
- DECREASE PLANT SPACING AS REQUIRED TO ALLOW PLACEMENT OF THE DESIGNATED NUMBER OF PLANTS PER GROUPING.
- FERTILIZE ALL PLANTINGS WITH OSMOCOTE OR OTHER APPROVED SLOW RELEASE FERTILIZER AT MANUFACTURER'S RECOMMENDED RATE BEFORE MULCHING.
- APPLY PREEN OR OTHER APPROVED PRE-EMERGENT HERBICIDE TO ALL PLANTING AREAS BEFORE MULCHING.
- MULCH ALL AREAS OF TREE, SHRUB AND GROUNDCOVER MASS PLANTINGS WITH 3" PINESTRAW MULCH.
- QUANTITIES SHOWN IN PLANT LIST ARE FOR CONTRACTOR'S CONVENIENCE. VERIFY ALL PLANT QUANTITIES SHOWN ON PLAN AND IN PLANT LIST.
- B&B MATERIAL MAY BE SUBSTITUTED FOR CONTAINER GROWN MATERIAL PROVIDED IT EXCEEDS THE MINIMUM SIZES NOTED.
- SOD ALL DISTURBED AREAS WITH SPECIES SHOWN ON PLAN.
- WARRANTY ALL PLANTS FOR A PERIOD OF ONE (1) YEAR FROM FINAL ACCEPTANCE.

IRRIGATION NOTES:

- AUTOMATIC IRRIGATION SYSTEM TO PROVIDE 100% COVERAGE OF ALL LANDSCAPE AREAS.
- CONTRACTOR RESPONSIBLE FOR LOCATING AND SUPPLYING ELECTRICAL POWER TO CONTROLLER.
- CONTRACTOR TO PROVIDE AND PAY FEES FOR SEPARATE IRRIGATION METER.
- PROVIDE BACKFLOW PREVENTION PER CITY REQUIREMENTS.
- PROVIDE RAIN SHUT OFF DEVICE PER FLA. STATE LAW.

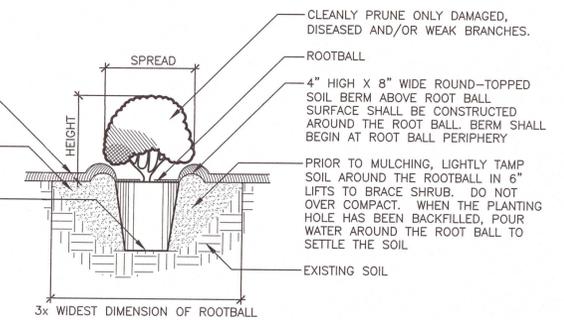


TOP OF ROOTBALL LEVEL WITH OR SLIGHTLY ABOVE SURROUNDING GRADE.
REMOVE CONTAINER BEFORE PLANTING. CLEANLY PRUNE ANY ENCIRCLING ROOTS.

MULCH - SEE LANDSCAPE NOTES. NO MORE THAN 1" OF MULCH ON TOP OF ROOT BALL

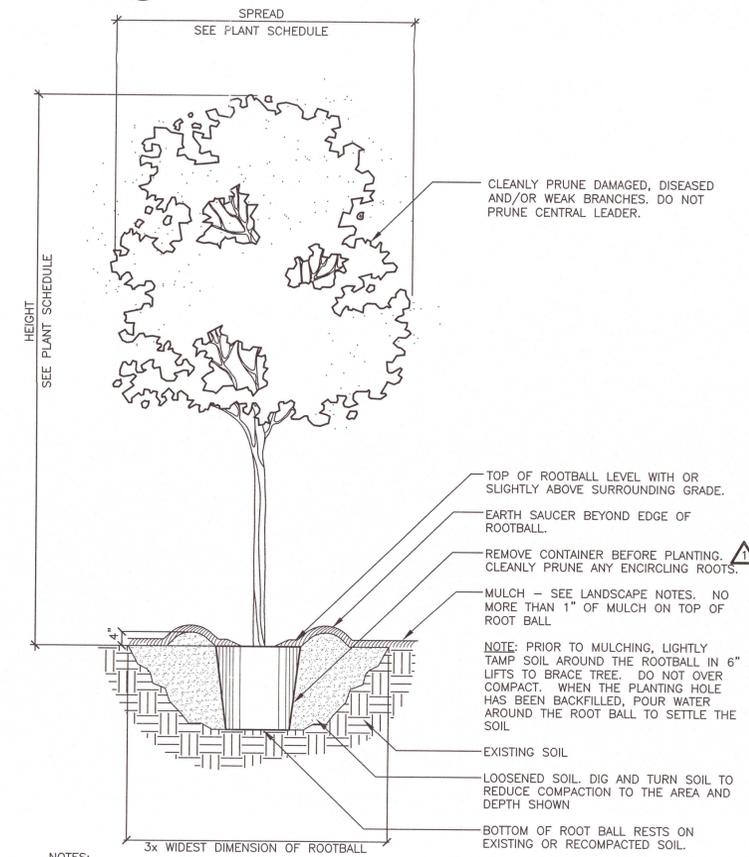
LOOSENED SOIL. DIG AND TURN SOIL TO REDUCE COMPACTION TO THE AREA AND DEPTH SHOWN

BOTTOM OF ROOT BALL RESTS ON EXISTING OR RECOMPACTED SOIL.



NOTE: MEASURE HEIGHT FROM TOP OF ROOT BALL
SEE PLANT SCHEDULE FOR REQUIRED HEIGHT AND SPREAD FOR EACH SPECIES

1 PLANTING DETAIL FOR SHRUBS
SCALE: NOT TO SCALE



NOTES:

- REMOVE ALL STRING &/OR WIRE WRAPPED AROUND TRUNK.
- REMOVE ALL STRAPS, ROPES, WIRE &/OR STRINGS USED TO LIFT THE ROOTBALL.
- REMOVE ALL BURLAP &/OR WIRE FROM THE TOP OF THE ROOT BALL.
- TOP OF FIRST FEEDER ROOT TO BE SET SLIGHTLY ABOVE SURROUNDING FINISH GRADE.

2 TREE PLANTING
SCALE: NOT TO SCALE

21039-CEFCO FAIRFIELD-PACE
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PO BOX 2549 PANAMA CITY, FL 32402
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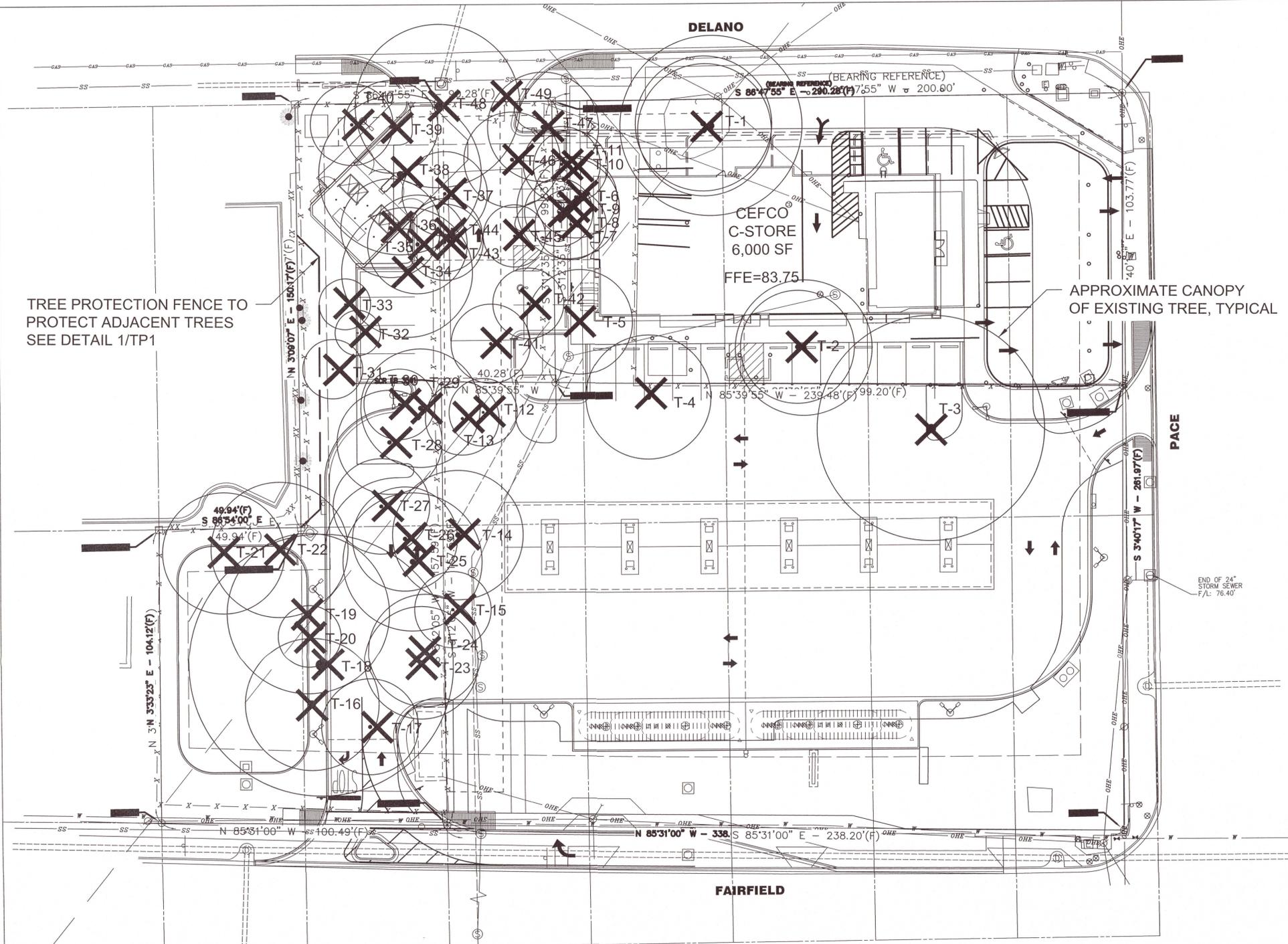
CEFCO FAIRFIELD AND PACE
FOR THE FIKES COMPANY
ESCAMBIA COUNTY, FL

DATE	ISSUE/REVISION
06/03/21	PERMIT DRAWING
07/16/21	PERMIT DRAWING
09/02/21	PERMIT DRAWING



LANDSCAPE PLAN SHEET NUMBER

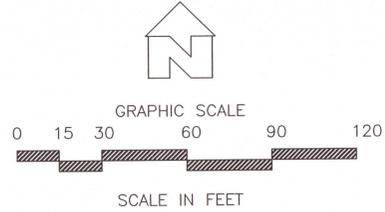
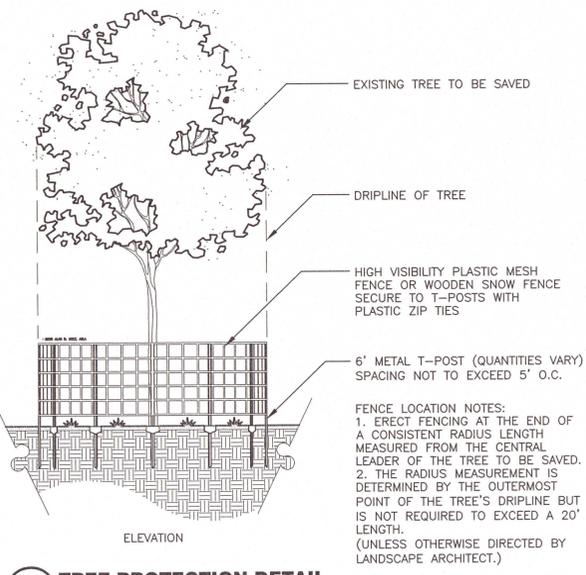
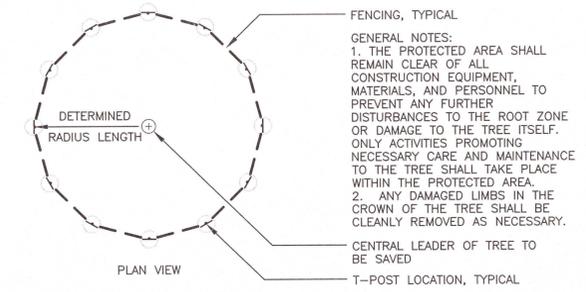
LP1



Tree ID	Common Name	Scientific Name	DBH (inche	Notes	Disposition
1	Live Oak	Quercus virginiana	46.4		offsite
2	Live Oak	Quercus virginiana	31.2		offsite
3	Live Oak	Quercus virginiana	10.0		removed
4	Laurel Oak	Quercus laurifolia	22.0		offsite
5	Laurel Oak	Quercus laurifolia	18.5		removed
6	Laurel Oak	Quercus laurifolia	14.5		removed
7	Laurel Oak	Quercus laurifolia	12.5		removed
8	Laurel Oak	Quercus laurifolia	12.0		removed
9	Laurel Oak	Quercus laurifolia	18.0		removed
10	Laurel Oak	Quercus laurifolia	13.0		removed
11	Laurel Oak	Quercus laurifolia	13.5		removed
12	Laurel Oak	Quercus laurifolia	13.0		removed
13	Laurel Oak	Quercus laurifolia	16.0		removed
14	Laurel Oak	Quercus laurifolia	23.0		removed
15	Laurel Oak	Quercus laurifolia	13.5		removed
16	Laurel Oak	Quercus laurifolia	32.5		removed
17	Laurel Oak	Quercus laurifolia	17.0		removed
18	Live Oak	Quercus virginiana	46.5		removed
19	Live Oak	Quercus virginiana	28.5		removed
20	Live Oak	Quercus virginiana	11.0		removed
21	Laurel Oak	Quercus laurifolia	21.5		removed
22	Live Oak	Quercus virginiana	24.0		removed
23	Laurel Oak	Quercus laurifolia	20.0		removed
24	Pignut Hickory	Carya globra	20.0		removed
25	Laurel Oak	Quercus laurifolia	24.5		removed
26	Laurel Oak	Quercus laurifolia	18.5		removed
27	Laurel Oak	Quercus laurifolia	17.0		removed
28	Laurel Oak	Quercus laurifolia	18.5		removed
29	Laurel Oak	Quercus laurifolia	21.0		removed
30	Laurel Oak	Quercus laurifolia	12.5		removed
31	Live Oak	Quercus virginiana	10.5		removed
32	Live Oak	Quercus virginiana	8.0		NOT PROTECTED
33	Live Oak	Quercus virginiana	9.0		NOT PROTECTED
34	Laurel Oak	Quercus laurifolia	23.0		removed
35	Laurel Oak	Quercus laurifolia	17.5		removed
36	Laurel Oak	Quercus laurifolia	17.5		removed
37	Laurel Oak	Quercus laurifolia	15.0		removed
38	Laurel Oak	Quercus laurifolia	28.5		removed
39	Laurel Oak	Quercus laurifolia	16.5		removed
40	Laurel Oak	Quercus laurifolia	14.5		removed
41	Laurel Oak	Quercus laurifolia	14.0		removed
42	Laurel Oak	Quercus laurifolia	12.5		removed
43	Live Oak	Quercus virginiana	13.5		removed
44	Live Oak	Quercus virginiana	13.0		removed
45	Laurel Oak	Quercus laurifolia	11.0		removed
46	Laurel Oak	Quercus laurifolia	17.0		removed
47	Laurel Oak	Quercus laurifolia	19.5		removed
48	Live Oak	Quercus virginiana	29.0		removed
49	Laurel Oak	Quercus laurifolia	17.0		offsite
			783.00	INCHES TO BE REMOVED	
MITIGATION REQUIRED = INCHES REMOVED x .5			392	INCHES TO BE MITIGATED	
			25 INCHES/ACRE	MITIGATION CAP	
			1.84x25=46	REPLACEMENT INCHES REQUIRED	
			46/2.5 INCH MITIGATION TREES=	18 MITIGATION TREES REQUIRED	

TREE PROTECTION FENCE TO PROTECT ADJACENT TREES SEE DETAIL 1/TP1

APPROXIMATE CANOPY OF EXISTING TREE, TYPICAL



1 TREE PROTECTION DETAIL TP1 SCALE: NOT TO SCALE

21039-CEFCO FAIRFIELD&PACE
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TREE PLAN SHEET NUMBER
 TP1
 ONE OF TWO