

SITE DEVELOPMENT PLANS FOR DELTA CONTRACTORS RECYCLING FACILITY

PROPERTY I.D. 21-1S-30-1101-004-052

8056 N. PALAFOX STREET
PENSACOLA, FLORIDA 32534

SECTION 21, TOWNSHIP 1 SOUTH, RANGE 30 WEST

ESCAMBIA COUNTY, FLORIDA

ZONED - HC/LI

FLU - I

JUNE 2021

SHEET INDEX

| NO. | SHEET TITLE |
|-----|---------------------------------|
| 1 | COVER SHEET |
| 2 | EXISTING SITE & DEMOLITION PLAN |
| 3 | SITE & GRADING WEST HALF |
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| 5 | UTILITY PLAN |
| 6 | LANDSCAPE/ENVIRONMENTAL PLAN |
| 7 | PROPOSED DRIVEWAY |
| 8 | DETAILS |

LEGAL DESCRIPTION: PARCEL "A" AND "B" COMBINED (8056)
(O.R. BOOK 5859 PAGE 161)

COMMENCING AT AN IRON ROD AND CAP MARKED #1041 LOCATED AT THE N.E. CORNER OF LOT 52 OF A SUBDIVISION OF SECTION 21, T-1-S, R-30-W, ESCAMBIA COUNTY, FLORIDA ACCORDING TO PLAT RECORDED IN DEED BOOK 2 AT PAGE 90 OF THE PUBLIC RECORDS OF SAID COUNTY; THENCE S. 31°51'47" E. ALONG THE WEST R/W LINE OF THE C.S.X. RAILROAD FOR 110.00' TO AN IRON ROD AND CAP AND POINT OF BEGINNING; THENCE CONTINUE S. 31°51'47" E. ALONG SAID WESTERLY R/W LINE FOR 298.28' TO AN IRON ROD AND CAP AT THE S.E. CORNER OF SAID LOT 52; THENCE N. 89°59'28" W. ALONG THE SOUTH LINE OF LOT 52 FOR 912.19' TO AN IRON ROD AND CAP (BEING 275.00' EAST OF THE EAST R/W LINE OF "OLD PALAFOX HIGHWAY"); THENCE S. 31°48'02" E. TO AN IRON ROD AND CAP (BEING 275.00' EAST OF THE EAST R/W LINE OF "OLD PALAFOX HIGHWAY"); THENCE S. 31°48'02" E. (BEING PARALLEL WITH OLD PALAFOX HWY.) FOR 75.00' TO AN IRON ROD AND CAP; THENCE N. 89°59'28" W. FOR 275.00' TO AN IRON ROD AND CAP ON THE EAST R/W LINE OF OLD PALAFOX HWY.; THENCE N. 31°48'02" W. ALONG SAID EAST R/W LINE FOR 191.04' TO AN IRON ROD AND CAP; THENCE N. 65°38'57" E. FOR 245.00' TO AN IRON ROD AND CAP; THENCE S. 31°42'03" E. FOR 67.00' TO AN IRON ROD AND CAP; THENCE N. 82°25'56" E. FOR 839.54' TO THE P.O.B.

| TOTAL SITE ACREAGE: 5.91 ACRES - 257,347.2 SF | | |
|---|-------------------|----------------|
| IMPERVIOUS and PERVIOUS AREA | | |
| | EXISTING | PROPOSED |
| BUILDING | 7,170.36 SQ.FT. | 16,600 SQ.FT. |
| ASPHALT | 4,114.86 SQ.FT. | 19,310 SQ.FT. |
| CONCRETE | 335.94 SQ.FT. | 1,670 SQ.FT. |
| ASPHALT/GRAVEL RECYCLE MATERIAL | 736.60 SQ.FT. | 64,710 SQ.FT. |
| TOTAL IMPERVIOUS AREA | 12,357.76 SQ.FT. | 100,620 SQ.FT. |
| LANDSCAPE AREA | 244,989.44 SQ.FT. | 156,727 SQ.FT. |
| PERCENTAGE OF LANDSCAPE | 95.20% | 60.9% |

| PARKING CALCULATIONS TOTAL BLDG. SF = 16,6000 SF/1,000 SPACE/SF = 16.6 SPACES | | |
|---|----------------|-------------|
| | REGULAR SPACES | HANDICAPPED |
| PROPOSED PARKING ON-SITE | 41 | 3 |
| TOTAL PARKING PROVIDED | 41 | 3 |

FLOODPLAIN MANAGEMENT STATEMENT:

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 BFE'S OR BASE FLOOD DEPTHS ARE SHOWN WITHIN THESE ZONES), AS DETERMINED FROM FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP OF ESCAMBIA COUNTY, FLORIDA COMMUNITY 120080, FIRM MAP PANEL NUMBER 12033C0295G G, REVISED SEPTEMBER 29, 2006.

PREPARED BY:

J M A
Engineering Services, Inc.
Civil Engineering - Planning

2726 Wallace Lake Road
Pace, FL 32571
PHONE: 850-995-7323

EMAIL: jerry@mcguire-assoc.com
Gerald W. McGuire, P.E. #39572
Engineering Business #28905

ECUA Engineering Manual Reference Note*
*note shall be inserted in the upper right corner of title sheet
* applicable only to ECUA infrastructure to be constructed in public ROW or in utility easement; not to be applied to private water/sewer facilities on private property (see Building Code)

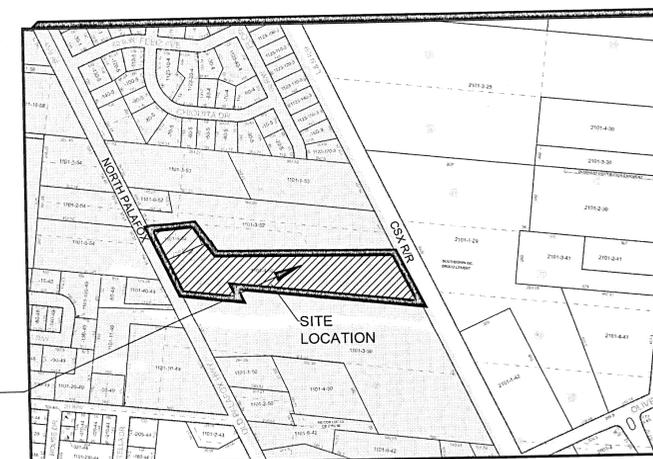
A. ECUA Engineering Manual Incorporated by Reference
The ECUA Engineering Manual, dated September 1, 2016, along with update(s) numbered 1 hereinafter "Manual", located at www.ecua.fl.gov, is hereby incorporated by reference into this Project's official contract documents as if fully set forth therein. 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? **NO**. If yes, Contractor shall construct Project in accordance with said documents as listed and located below:

| Document Name | Document Type | | Location | |
|---------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | Specifi- cation | Detail | Plans | Project Manual* |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | <input type="checkbox"/> | <input type="checkbox"/> | <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 (EORs) 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 EORs shall be knowledgeable of the Manual's contents and shall assume responsibility for its use on this Project.



**VICINITY
MAP**
SCALE 1"=400'

ONSITE CONCRETE OPERATION AND STORAGE:

CURSHED CONCRETE OPERATION AND STORAGE SHALL OCCUR ONLY ON THOSE AREAS SPECIFIED ON THIS SITE PLAN.

| Approved ESCAMBIA COUNTY DRC PLAN REVIEW | |
|---|--------------|
| DRC Chairman Signature: <i>[Signature]</i> | Date: 1-5-22 |
| Printed Name: <i>[Signature]</i> | |
| 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. | |

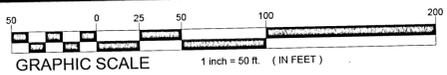
OWNER & DEVELOPER
DELTA CONTRACTORS
1238 FINLEY DRIVE
PENSACOLA, FL 32514
850-572-7032
JFF_GODWIN@YAHOO.COM

UTILITY PROVIDERS

| ITEM | COMPANY NAME |
|-------------|------------------|
| WATER/SEWER | ECUA |
| POWER | GULF POWER |
| TELEPHONE | AT&T |
| CABLE TV | COX CABLE |
| GAS | PENSACOLA ENERGY |

PROJECT NUMBER: 2020.DCRF#2

[Handwritten Signature]
1/5/2021



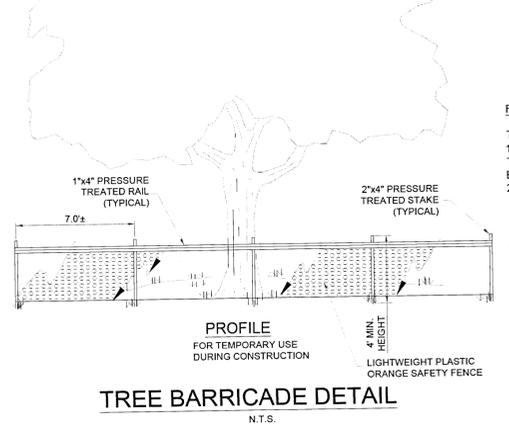
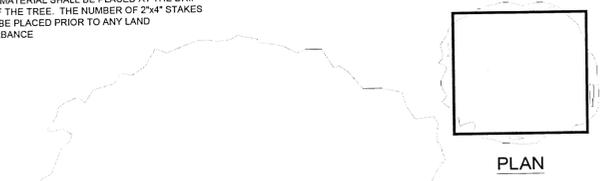
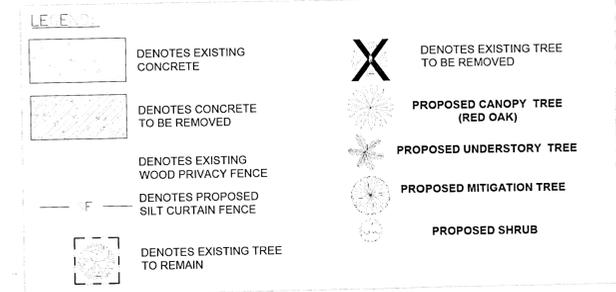
| TREE ID. | DIAMETER (INCHES) | TREE TYPE | SPREAD (FEET) | REASON FOR REMOVAL | CALIPER INCHES | MITIGATION REQUIRED |
|----------|-------------------|---------------|---------------|-----------------------|----------------|---------------------|
| T-1 | 34 | LIVE OAK | | REMOVE GRAVEL | 34 | |
| T-2 | 30 | LIVE OAK | | REMOVE GRAVEL | 30 | |
| T-3 | 28 | LIVE OAK | | REMOVE GRAVEL | 28 | |
| T-4 | 28 | LIVE OAK | | REMOVE GRAVEL | 28 | |
| T-5 | 28 | LIVE OAK | | REMOVE GRAVEL | 28 | |
| T-6 | 34 | LIVE OAK | | REMOVE GRAVEL | 34 | |
| T-7 | 18 | LONGLEAF PINE | | REMOVE GRAVEL | 18 | |
| T-8 | 20 | LONGLEAF PINE | | SAVE | | |
| T-9 | 40 | LAUREL OAK | | SAVE | | |
| T-10 | 34 | LAUREL OAK | | SAVE | | |
| T-11 | 28 | LAUREL OAK | | REMOVE GRAVEL | 28 | |
| T-12 | 34 | LAUREL OAK | | REMOVE GRAVEL | 34 | |
| T-13 | 20 | LAUREL OAK | | REMOVE GRAVEL | 20 | |
| T-14 | 34 | LAUREL OAK | | REMOVE GRAVEL | 34 | |
| T-15 | 28 | SWEET GUM | | REMOVE GRAVEL | 28 | |
| T-16 | 34 | LIVE OAK | | REMOVE GRAVEL | 34 | |
| T-17 | 36 | LAUREL OAK | | SAVE - BUFFER | | |
| T-18 | 12 | CHINESE TAO | | SAVE | | |
| T-19 | 14 | LAUREL OAK | | REMOVE GRAVEL | 14 | |
| T-20 | 18 | LAUREL OAK | | REMOVE GRAVEL | 18 | |
| T-21 | 16 | LAUREL OAK | | REMOVE GRAVEL | 16 | |
| T-22 | 16 | LAUREL OAK | | REMOVE GRAVEL | 16 | |
| T-23 | 12 | LAUREL OAK | | REMOVE GRAVEL | 12 | |
| T-24 | 12 | SWEET GUM | | REMOVE GRAVEL | 12 | |
| T-25 | 16 | CHOKECHERRY | | SAVE - BUFFER | | |
| T-26 | 20 | LAUREL OAK | | SAVE - BUFFER | | |
| T-27 | 14 | LAUREL OAK | | REMOVE GRAVEL | 14 | |
| T-28 | 14 | LAUREL OAK | | HURRICANE DOWNED TREE | | |
| T-29 | 16 | LAUREL OAK | | REMOVE GRAVEL | 16 | |
| T-30 | 16 | LAUREL OAK | | REMOVE GRAVEL | 16 | |
| T-31 | 12 | LAUREL OAK | | REMOVE GRAVEL | 12 | |
| T-32 | 14 | LAUREL OAK | | REMOVE GRAVEL | 14 | |
| T-33 | 14 | LAUREL OAK | | REMOVE GRAVEL | 14 | |
| T-34 | 18 | CEDAR | | HURRICANE DOWNED TREE | | |
| T-35 | 12 | LAUREL OAK | | HURRICANE DOWNED TREE | | |
| T-36 | 16 | LAUREL OAK | | REMOVE GRAVEL | 16 | |
| T-37 | 12 | LAUREL OAK | | REMOVE GRAVEL | 12 | |
| T-38 | 15 | LAUREL OAK | | HURRICANE DOWNED TREE | | |
| T-39 | 16 | CEDAR | | REMOVE GRAVEL | 16 | |
| T-40 | 18 | CEDAR | | REMOVE GRAVEL | 18 | |
| T-41 | 12 | LAUREL OAK | | REMOVE GRAVEL | 12 | |
| T-42 | 12 | LAUREL OAK | | REMOVE GRAVEL | 12 | |
| T-43 | 16 | LAUREL OAK | | REMOVE GRAVEL | 16 | |
| T-44 | 18 | CEDAR | | REMOVE GRAVEL | 18 | |
| T-45 | 16 | LAUREL OAK | | REMOVE GRAVEL | 16 | |
| T-46 | 12 | LAUREL OAK | | REMOVE GRAVEL | 12 | |
| T-47 | 16 | LAUREL OAK | | REMOVE GRAVEL | 16 | |
| T-48 | 18 | LAUREL OAK | | REMOVE GRAVEL | 18 | |
| T-49 | 18 | LIVE OAK | | SAVE | | |
| T-50 | 36 | LIVE OAK | | SAVE | | |
| T-51 | 18 | LAUREL OAK | | REMOVE GRAVEL | 18 | |
| T-52 | 18 | LAUREL OAK | | REMOVE GRAVEL | 18 | |
| T-53 | 12 | WATER OAK | | REMOVE GRAVEL | 12 | |
| T-54 | 16 | CEDAR | | REMOVE GRAVEL | 16 | |
| T-55 | 14 | LAUREL OAK | | HURRICANE DOWNED TREE | | |
| T-56 | 14 | LAUREL OAK | | REMOVE GRAVEL | 14 | |
| T-57 | 14 | BAY | | REMOVE GRAVEL | 14 | |
| T-58 | 12 | CEDAR | | REMOVE GRAVEL | 12 | |
| T-59 | 14 | MAGNOLIA | | REMOVE GRAVEL | 14 | |
| T-60 | 18 | LONGLEAF PINE | | REMOVE GRAVEL | 18 | |
| T-61 | 12 | LIVE OAK | | HURRICANE DOWNED TREE | | |
| T-62 | 14 | WATER OAK | | REMOVE GRAVEL | 14 | |
| T-63 | 14 | MAGNOLIA | | REMOVE GRAVEL | 14 | |
| T-64 | 12 | MAGNOLIA | | REMOVE GRAVEL | 12 | |
| T-65 | 12 | BAY | | REMOVE GRAVEL | 12 | |
| T-66 | 14 | MAGNOLIA | | REMOVE GRAVEL | 14 | |
| T-67 | 14 | MAGNOLIA | | HURRICANE DOWNED TREE | | |
| T-68 | 12 | LAUREL OAK | | HURRICANE DOWNED TREE | | |
| T-69 | 18 | LIVE OAK | | REMOVE GRAVEL | 18 | |
| T-70 | 18 | WATER OAK | | REMOVE GRAVEL | 18 | |
| T-71 | 12 | BAY | | REMOVE GRAVEL | 12 | |
| T-72 | 18 | SASAFRAS | | REMOVE GRAVEL | 18 | |
| T-73 | 14 | MAGNOLIA | | REMOVE GRAVEL | 14 | |
| T-74 | 18 | MAGNOLIA | | REMOVE GRAVEL | 18 | |
| T-75 | 18 | MAGNOLIA | | REMOVE GRAVEL | 18 | |
| T-76 | 18 | LIVE OAK | | SAVE | | |
| T-77 | 14 | WATER OAK | | REMOVE GRAVEL | 14 | |
| T-78 | 14 | MAGNOLIA | | SAVE | | |
| T-79 | 14 | LONGLEAF PINE | | SAVE | | |
| T-80 | 18 | SASAFRAS | | SAVE | | |
| T-81 | 14 | WATER OAK | | SAVE | | |
| T-82 | 14 | WATER OAK | | SAVE | | |
| T-83 | 14 | LONGLEAF PINE | | SAVE | | |
| T-84 | 20 | LONGLEAF PINE | | OFFSITE | | |
| T-85 | 14 | LAUREL OAK | | SAVE | | |
| T-86 | 14 | LAUREL OAK | | SAVE | | |
| T-87 | 12 | LAUREL OAK | | SAVE | | |
| T-88 | 12 | LAUREL OAK | | SAVE | | |
| T-89 | 14 | LONGLEAF PINE | | SAVE | | |
| T-90 | 18 | LIVE OAK | | SAVE | | |
| T-91 | 16 | LAUREL OAK | | SAVE | | |
| T-92 | 18 | LIVE OAK | | SAVE | | |
| T-93 | 36 | LIVE OAK | | SAVE | | |
| T-94 | 18 | LONGLEAF PINE | | SAVE | | |

TOTAL MITIGATION REQUIRED EXLSUSIVEOF ACREAGE CAP = 524

NOTE: TREE T-26, T-84, & T-93 AS SHOWN ON THE SURVEY ARE NOT ON THE DELTA RECYCLING PARCEL.

NOTE: FENCE MATERIAL SHALL BE PLACED AT THE DRIP LINE OF THE TREE. THE NUMBER OF 2"x4" STAKES SHALL BE PLACED PRIOR TO ANY LAND DISTURBANCE

ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE ESCAMBIA COUNTY LAND DEVELOPMENT CODE AND THE F.D.O.T. DESIGN STANDARDS LATEST EDITIONS.



TREE BARRICADE DETAIL N.T.S.

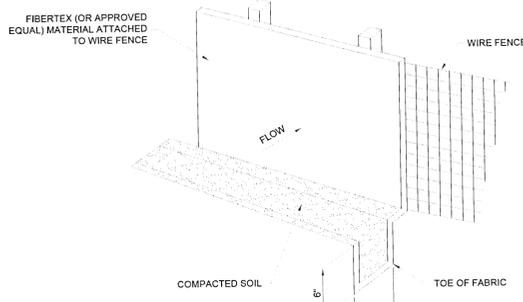
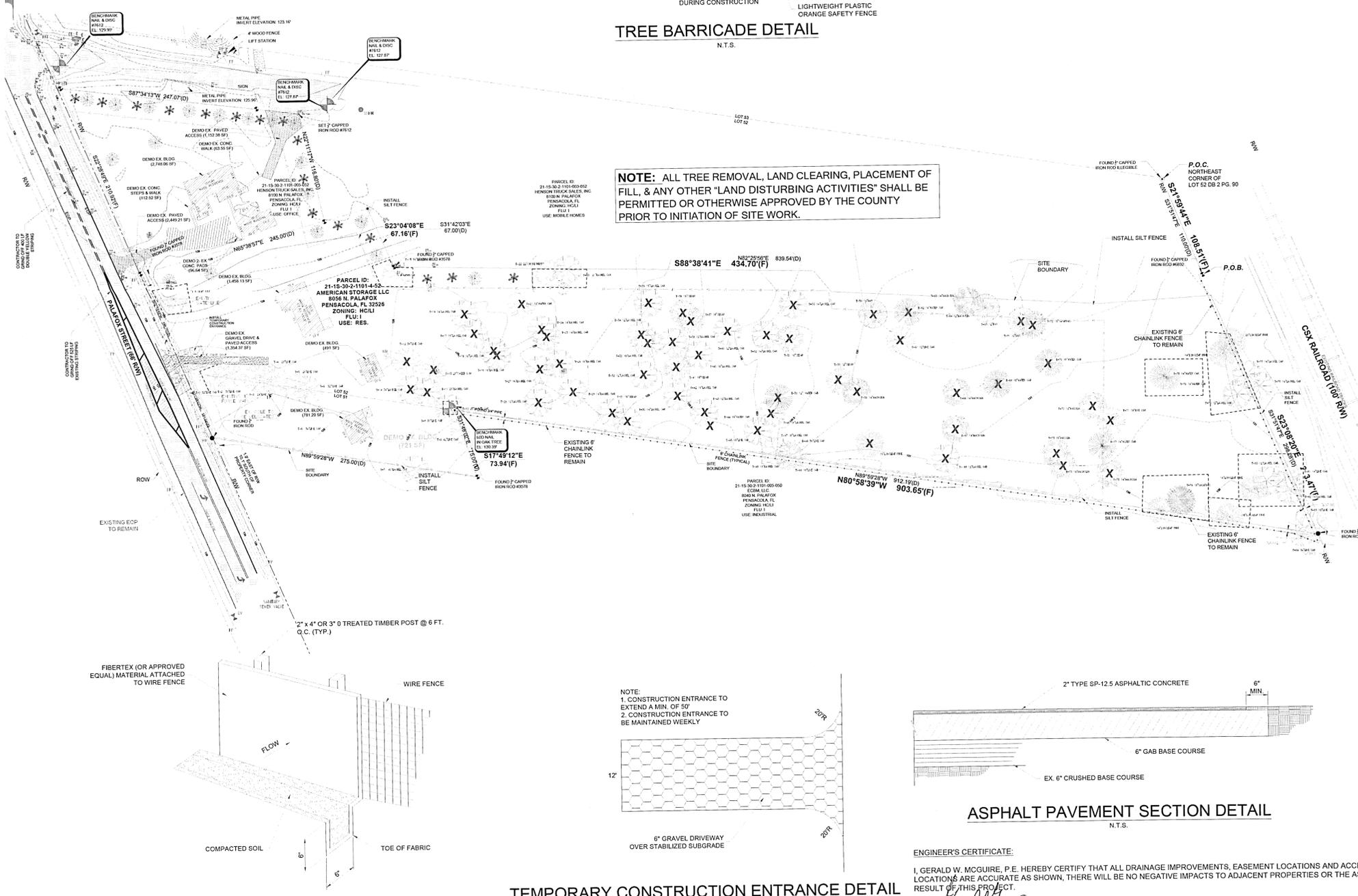
FLOODPLAIN MANAGEMENT STATEMENT:

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 DEFS OR BASE FLOOD DEPTHS ARE SHOWN WITHIN THESE ZONES), AS DETERMINED FROM FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP OF ESCAMBIA COUNTY, FLORIDA COMMUNITY 120080, FIRM MAP PANEL NUMBER 12033C0295G G, REVISED SEPTEMBER 29, 2006.

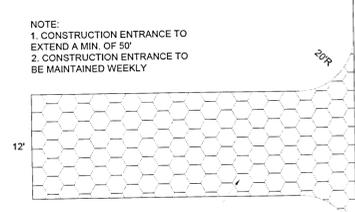
ONSITE CONCRETE OPERATION AND STORAGE:

CRUSHED CONCRETE OPERATION AND STORAGE SHALL OCCUR ONLY ON THE EXISTING IMPERVIOUS CONCRETE SLABS AND GRAVEL AREAS AND SHALL NOT BE EXTENDED TO CURRENTLY PERVIOUS AREAS ON SITE.

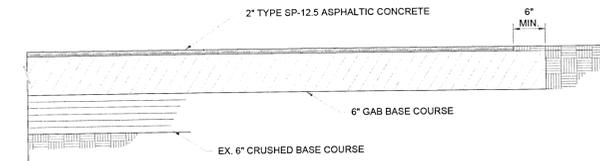
NOTE: ALL TREE REMOVAL, LAND CLEARING, PLACEMENT OF FILL, & ANY OTHER "LAND DISTURBING ACTIVITIES" SHALL BE PERMITTED OR OTHERWISE APPROVED BY THE COUNTY PRIOR TO INITIATION OF SITE WORK.



SILT FENCE DETAIL N.T.S.



TEMPORARY CONSTRUCTION ENTRANCE DETAIL N.T.S.



ASPHALT PAVEMENT SECTION DETAIL N.T.S.

ENGINEER'S CERTIFICATE:

I, GERALD W. MCGUIRE, P.E. HEREBY CERTIFY THAT ALL DRAINAGE IMPROVEMENTS, EASEMENT LOCATIONS AND ACCESS LOCATIONS ARE ACCURATE AS SHOWN, THERE WILL BE NO NEGATIVE IMPACTS TO ADJACENT PROPERTIES OR THE AS A RESULT OF THIS PROJECT.

SIGNED THIS 5 DAY OF Nov 2020

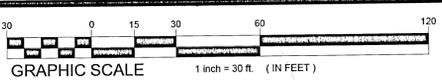
| NO. | DATE | REV. PER COUNTY COMMENT | REV. BASED ON SITE SPECIFIC |
|-----|-----------|-------------------------|-----------------------------|
| 1 | 6-29-2021 | | |
| 2 | 9-16-2021 | | |
| 3 | | | |
| 4 | | | |

THIS DRAWING IS THE PROPERTY OF JERRY W. MCGUIRE & ASSOCIATES, P.A. AND IS NOT TO BE REPRODUCED IN WHOLE OR IN PART. IT IS NOT TO BE USED ON ANY OTHER PROJECT AND IS TO BE RETURNED UPON REQUEST.

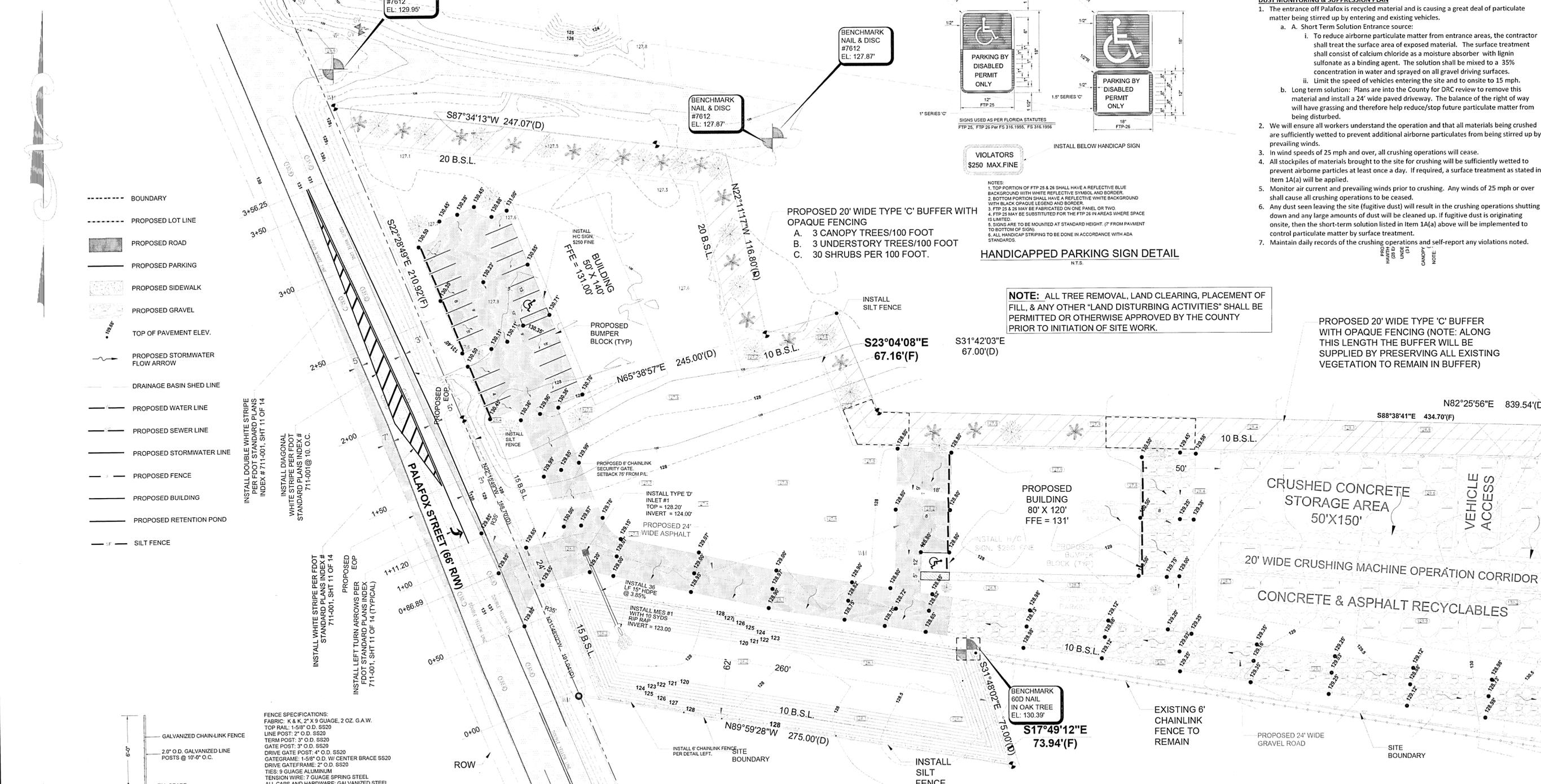
JMA
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 Civil Engineering - Planning
 EMAIL: jerry@jmaeng.com
 Gerald W. McGuire, P.E. #2572
 Engineering Business #2856
 2726 Wallace Lake Road
 Palm Bay, FL 32909
 PHONE: 888-985-7323

DELTA CONTRACTORS
FUTURE RECYCLING FACILITY
 EXISTING SITE & DEMOLITION PLAN
 FLORIDA
 ESCAMBIA COUNTY

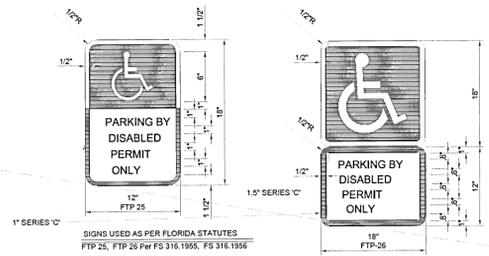
| | | | | | |
|------------------------|------------------|-----------------|----------------|-----------------|--------------------------------|
| DRAWN BY: HAH | DESIGNED BY: GWM | CHECKED BY: GWM | DATE: JUN 2021 | SCALE: 1" = 50' | NOT RELEASSED FOR CONSTRUCTION |
| PROJECT NO: 2020.DCR#2 | | | | | FILE NO: 2020.DCR#2 |
| SHEET: 2 OF 8 | | | | | DATE: |



ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE ESCAMBIA COUNTY LAND DEVELOPMENT CODE AND THE F.D.O.T. DESIGN STANDARDS LATEST EDITIONS.



- BOUNDARY
- PROPOSED LOT LINE
- PROPOSED ROAD
- PROPOSED PARKING
- PROPOSED SIDEWALK
- PROPOSED GRAVEL
- TOP OF PAVEMENT ELEV.
- PROPOSED STORMWATER FLOW ARROW
- DRAINAGE BASIN SHED LINE
- PROPOSED WATER LINE
- PROPOSED SEWER LINE
- PROPOSED STORMWATER LINE
- PROPOSED FENCE
- PROPOSED BUILDING
- PROPOSED RETENTION POND
- SILT FENCE



PROPOSED 20' WIDE TYPE 'C' BUFFER WITH OPAQUE FENCING
 A. 3 CANOPY TREES/100 FOOT
 B. 3 UNDERSTORY TREES/100 FOOT
 C. 30 SHRUBS PER 100 FOOT.

HANDICAPPED PARKING SIGN DETAIL
 N.T.S.

NOTE: ALL TREE REMOVAL, LAND CLEARING, PLACEMENT OF FILL, & ANY OTHER "LAND DISTURBING ACTIVITIES" SHALL BE PERMITTED OR OTHERWISE APPROVED BY THE COUNTY PRIOR TO INITIATION OF SITE WORK.

- DUST MONITORING & SUPPRESSION PLAN**
- The entrance off Palafox is recycled material and is causing a great deal of particulate matter being stirred up by entering and existing vehicles.
 - A. Short Term Solution Entrance source:
 - To reduce airborne particulate matter from entrance areas, the contractor shall treat the surface area of exposed material. The surface treatment shall consist of calcium chloride as a moisture absorber with lignin sulfonate as a binding agent. The solution shall be mixed to a 35% concentration in water and sprayed on all gravel driving surfaces. Limit the speed of vehicles entering the site and to onsite to 15 mph.
 - Long term solution: Plans are into the County for DRC review to remove this material and install a 24' wide paved driveway. The balance of the right of way will have grassing and therefore help reduce/stop future particulate matter from being disturbed.
 - We will ensure all workers understand the operation and that all materials being crushed are sufficiently wetted to prevent additional airborne particulates from being stirred up by prevailing winds.
 - In wind speeds of 25 mph and over, all crushing operations will cease.
 - All stockpiles of materials brought to the site for crushing will be sufficiently wetted to prevent airborne particles at least once a day. If required, a surface treatment as stated in item 1A(a) will be applied.
 - Monitor air current and prevailing winds prior to crushing. Any winds of 25 mph or over shall cause all crushing operations to be ceased.
 - Any dust seen leaving the site (fugitive dust) will result in the crushing operations shutting down and any large amounts of dust will be cleaned up. If fugitive dust is originating onsite, then the short-term solution listed in item 1A(a) above will be implemented to control particulate matter by surface treatment.
 - Maintain daily records of the crushing operations and self-report any violations noted.

| NO. | DATE | REVISIONS |
|-----|-----------|---|
| 1 | 6-15-2021 | ADDED H/C DETAIL AND DIMENSIONS ON PARKING SPACES |
| 2 | | |
| 3 | | |
| 4 | | |

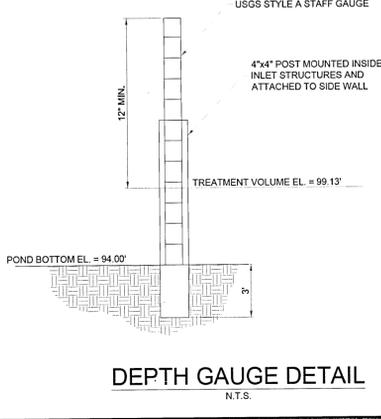
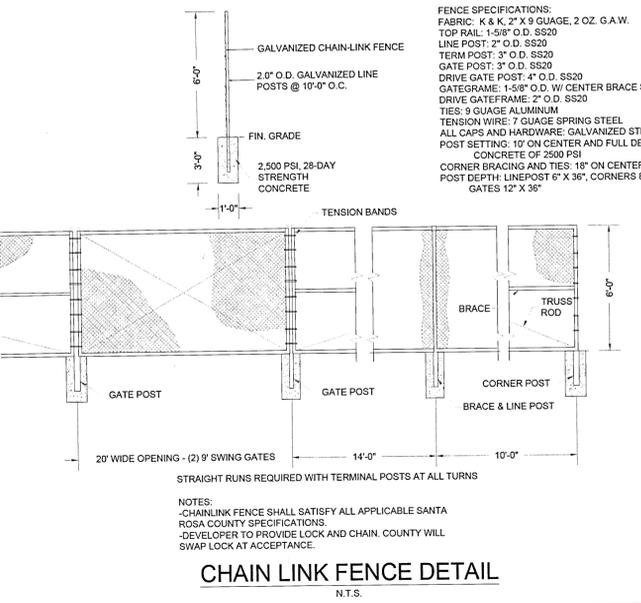
Jerry McGuire
 1/13/2021

JMA
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 PHONE: 850-955-7233
 EMAIL: jerry@mcguire-assoc.com
 Gerald W. McGuire, P.E. #23572
 Engineering Business #28905

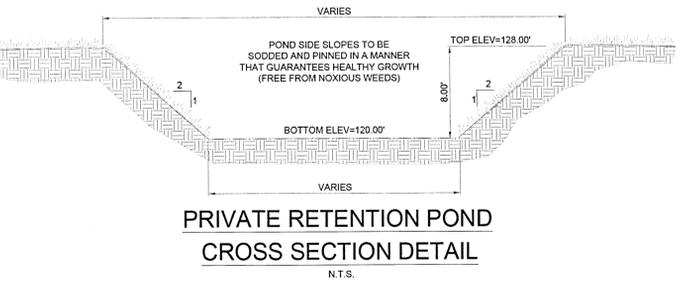
DELTA CONTRACTORS
FUTURE RECYCLING FACILITY
 SITE/OPERATIONS/DUST SUPPRESSION PLAN
 FLORIDA
 ESCAMBIA COUNTY

DRAWN BY: UAH
 DESIGNED BY: GJM
 CHECKED BY: GJM
 DATE: JUN 2021
 SCALE: 1" = 50'
NOT RELEASED FOR CONSTRUCTION
 BY: DATE:

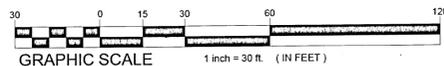
PROJECT NO: 2020 DCRFP#2
 FILE NO: 2020 DC#2
 SHEETS: 3 OF 8



- NOTES:
- GAUGE HEIGHT ABOVE THE POND FLOOR SHALL BE AT LEAST THAT OF THE TREATMENT VOLUME PLUS ONE FOOT.
 - GAUGE STYLE:
 - MARKED AT EVERY FOOT AND TENTH.
 - EQUIVALENT STYLE APPROVED BY THE DISTRICT.
 - GAUGE SHALL BE MOUNTED INSIDE OF RETENTION AND STABILIZED TO PREVENT MOVEMENT DUE TO REASONABLY ANTICIPATED CONDITIONS.
 - SURVEY INFORMATION CORRELATING THE READINGS TO KNOWN ELEVATIONS SHALL BE SUBMITTED TO THE DISTRICT ON THE AS BUILT CERTIFICATION.



CERTIFICATION OF OPERATIONS PLAN:
 I hereby certify that the facts and information contained in this plan are true and correct to the best of my knowledge and belief and that the plan provides adequate details to satisfy the required function.
Gerald W. McGuire
 Gerald W. McGuire, PE
 Florida Registration No. 39572



ONSITE CONCRETE OPERATION AND STORAGE:

CRUSHED CONCRETE/ASPHALT OPERATION AND STORAGE SHALL OCCUR ONLY ON THE DESIGNATED AREAS AND SHALL NOT BE EXTENDED WITH ADDITIONAL COUNTY PERMITTING FOR THOSE AREAS ON SITE.

STORMWATER NOTES:

- All aspects of the stormwater/drainage components and/or transportation components shall be completed prior to issuance of a final certificate of occupancy.
- Retention/detention areas shall be substantially complete prior to any construction activities that may increase stormwater runoff rates. The contractor shall control stormwater during all phases of construction and take adequate measures to prevent the excavated pond from blinding due to sediments.
- All new building roof drains, down spouts, or gutters shall be routed to carry all stormwater to retention/detention areas.
- Developer/Contractor shall reshape per plan specifications, clean out accumulated silt, and stabilize retention/detention pond(s) at the end of construction when all disturbed areas have been stabilized and prior to request for inspection.
- Any damage to existing roads during construction will be repaired by the developer prior to final "as-built" sign off from the county.

FLOODPLAIN MANAGEMENT STATEMENT:

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 BFE'S OR BASE FLOOD DEPTHS ARE SHOWN WITHIN THESE ZONES), AS DETERMINED FROM FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP OF ESCAMBIA COUNTY, FLORIDA COMMUNITY 120080, FIRM MAP PANEL NUMBER 12033C0295 G, REVISED SEPTEMBER 29, 2006.

ENGINEER'S CERTIFICATE:

I, GERALD W. MCGUIRE, P.E. HEREBY CERTIFY THAT ALL DRAINAGE IMPROVEMENTS, EASEMENT LOCATIONS AND ACCESS LOCATIONS ARE ACCURATE AS SHOWN, THERE WILL BE NO NEGATIVE IMPACTS TO ADJACENT PROPERTIES OR THE AS A RESULT OF THIS PROJECT.

SIGNED THIS ___ DAY OF _____, 2020.

ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE ESCAMBIA COUNTY LAND DEVELOPMENT CODE AND THE F.D.O.T. DESIGN STANDARDS LATEST EDITIONS.

ONSITE CONCRETE CRUSHING OPERATION:

- ALL CRUSHING SHALL OCCUR ONLY DURING PERMITTED HOURS.**
- SITE TO BE AVAILABLE TO ACCESS BY COUNTY INSPECTORS AS DETERMINED BY COUNTY.**
- PERIODIC AIR TESTING SHALL BE HELD BY COUNTY INSPECTORS AT REGULAR PERIODIC INTERVALS.**
- CRUSHING OPERATIONS TO CEASE DURING PERIODS OF HIGH WINDS.**

| | | |
|--|---------------------------|--------------------|
| TOTAL SITE ACREAGE: | 5.91 ACRES - 257,347.2 SF | |
| IMPERVIOUS and PERVIOUS AREA | | |
| | EXISTING | PROPOSED |
| BUILDING | 7,170.36 SQ.FT. | 16,600 SQ.FT. |
| ASPHALT | 4,114.86 SQ.FT. | 19,310 SQ.FT. |
| CONCRETE | 335.94 SQ.FT. | 1,670 SQ.FT. |
| ASPHALT/GRAVEL RECYCLE MATERIAL | 736.60 SQ.FT. | 64,710 SQ.FT. |
| TOTAL IMPERVIOUS AREA | 12,357.76 SQ.FT. | 100,620 SQ.FT. |
| LANDSCAPE AREA | 244,989.44 SQ.FT. | 156,727 SQ.FT. |
| PERCENTAGE OF LANDSCAPE | 95.20% | 60.9% |
| PARKING CALCULATIONS TOTAL BLDG. SF = 16,6000 SF/1,000 SPACE/SF = 16.6 SPACES | | |
| | REGULAR SPACES | HANDICAPPED |
| PROPOSED PARKING ON-SITE | 41 | 3 |
| TOTAL PARKING PROVIDED | 41 | 3 |

DUST MONITORING & SUPPRESSION PLAN

- The entrance off Palafox is recycled material and is causing a great deal of particulate matter being stirred up by entering and existing vehicles.
 - Short Term Solution Entrance source:
 - To reduce airborne particulate matter from entrance areas, the contractor shall treat the surface area of exposed material. The surface treatment shall consist of calcium chloride as a moisture absorber with lignin sulfonate as a binding agent. The solution shall be mixed to a 35% concentration in water and sprayed on all gravel driving surfaces.
 - Limit the speed of vehicles entering the site and to onsite to 15 mph.
 - Long term solution: Plans are into the County for DRC review to remove this material and install a 24' wide paved driveway. The balance of the right of way will have grassing and therefore help reduce/stop future particulate matter from being disturbed.
- We will ensure all workers understand the operation and that all materials being crushed are sufficiently wetted to prevent additional airborne particulates from being stirred up by prevailing winds.
- In wind speeds of 25 mph and over, all crushing operations will cease.
- All stockpiles of materials brought to the site for crushing will be sufficiently wetted to prevent airborne particles at least once a day. If required, a surface treatment as stated in Item 1A(a) will be applied.
- Monitor air current and prevailing winds prior to crushing. Any winds of 25 mph or over shall cause all crushing operations to be ceased.
- Any dust seen leaving the site (fugitive dust) will result in the crushing operations shutting down and any large amounts of dust will be cleaned up. If fugitive dust is originating onsite, then the short-term solution listed in Item 1A(a) above will be implemented to control particulate matter by surface treatment.
- Maintain daily records of the crushing operations and self-report any violations noted.

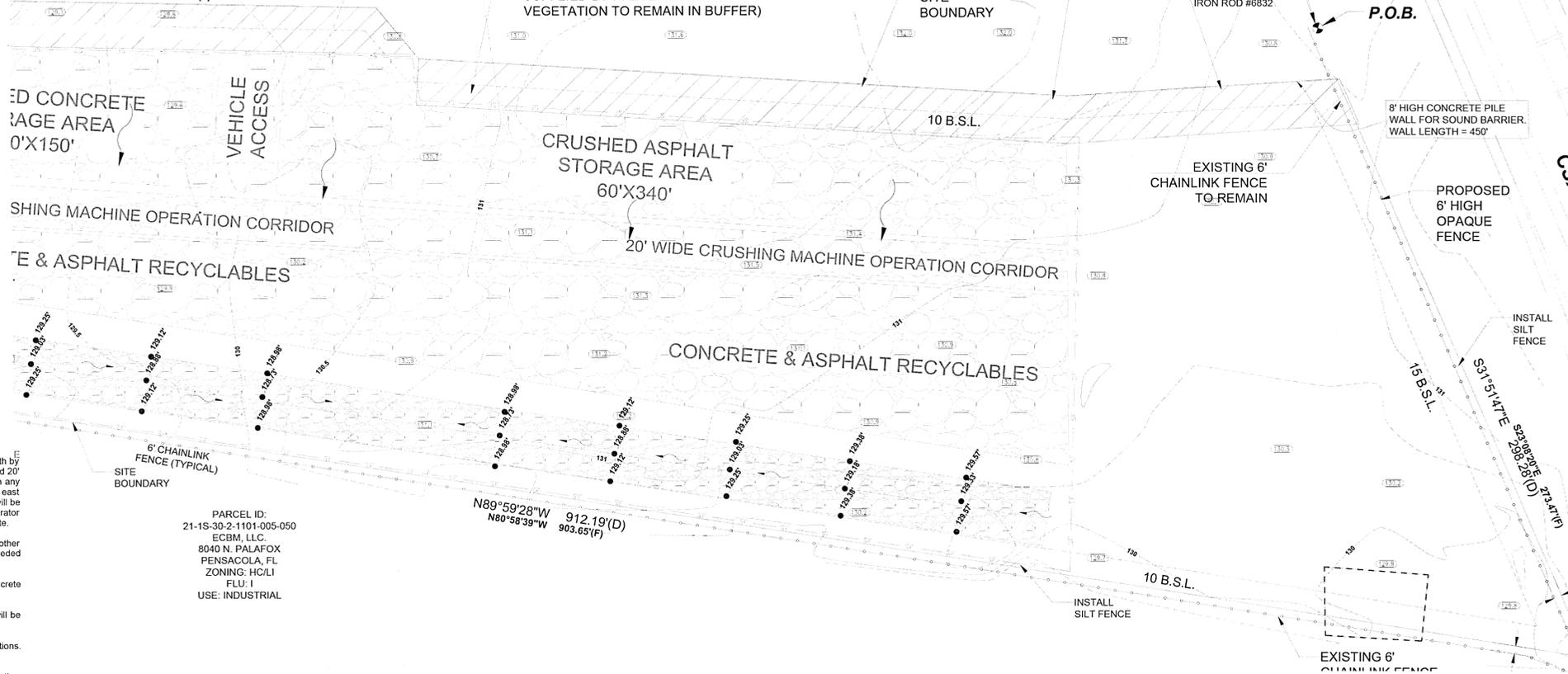
NOTE: ALL TREE REMOVAL, LAND CLEARING, PLACEMENT OF FILL, & ANY OTHER "LAND DISTURBING ACTIVITIES" SHALL BE PERMITTED OR OTHERWISE APPROVED BY THE COUNTY PRIOR TO INITIATION OF SITE WORK.

PROPOSED 20' WIDE TYPE 'C' BUFFER WITH OPAQUE FENCING (NOTE: ALONG THIS LENGTH THE BUFFER WILL BE SUPPLIED BY PRESERVING ALL EXISTING VEGETATION TO REMAIN IN BUFFER)

PROPOSED 20' WIDE TYPE 'C' BUFFER WITH OPAQUE FENCING (NOTE: ALONG THIS LENGTH THE BUFFER WILL BE SUPPLIED BY PRESERVING ALL EXISTING VEGETATION TO REMAIN IN BUFFER)

PROPOSED 20' WIDE TYPE 'C' BUFFER WITH OPAQUE FENCING (NOTE: ALONG THIS LENGTH THE BUFFER WILL BE SUPPLIED BY PRESERVING ALL EXISTING VEGETATION TO REMAIN IN BUFFER)

888°38'41"E 434.70'(F)
N82°25'56"E 839.54'(D)



OPERATIONS PLAN

PURPOSE

This Plan establishes the methods and procedures for the operation of a 6.16 acre recycling facility located in Escambia County, Florida. The information presented herein is intended to present the minimum standards. This Plan is not intended to circumvent or supersede the requirements of permitting authority Florida Department of Environmental Protection (FDEP) or Escambia County, but to ensure compliance with the Operation Permit.

SITE

The recycling site is located 8056 N. Palafox Highway in Escambia County, Florida (see attached vicinity map). The total site will contain 6.16 acres.

The existing site has two single family vacant residences on the front of the parcel adjacent to N. Palafox. The balance of the site is vacant but wooded. Water service to the site is via one of the existing meters on site, while sewer will be handled by Port-O-Let.

The need for this submission is to receive a Development Order and Board of County Commission approval to operate the site as an asphalt and concrete recycling facility.

OPERATION - GENERAL

The recycling operation will be handled via a tracked crushing machine. The machine has gone through FDEP permitting. The crushed material from the operation of the machine will be stored designated areas as noted on the above plan. A building is proposed on the east end of the site for vehicle storage and maintenance. Handicap and regular parking will be provided in front of the building. The owner will use the existing paved driveway to one of the homes, and extend a paved road to the west end of the site for vehicles to travel in and out of the site on and aid in preventing particulate matter from becoming airborne during traffic.

The basic operational hours for the crushing and hauling will be between the hours of 7 a.m. to 5 p.m. To hold down dust, the owner will use an existing water source to wet down recycled material as crushed. This will prevent airborne dust and other debris. There is no intention to use the site for construction and demolition debris.

The equipment planned for operation of the facility is a mobile crushing machine, front end loaders, and dump trucks. Personnel operating the equipment will be certified operators. At all operating hours, personnel will be on site conducting any activities necessary as required by the FDEP and/or this Plan.

OPERATION - SPECIFIC

- Security:** The site is located 8056 N. Palafox Street. It is bordered to the north by an existing mobile home park, to the east by the CSX Railroad lines, to the south by an existing industrial development, and to the west by North Palafox. There are existing trees scattered throughout the site. The existing trees along the proposed 20' Type B buffer will remain and be used as part of the buffer. Additionally, the owner intends to add a concrete sound barrier along the north boundary to lessen any noise. The existing site is fenced along the south boundary with a 6' high chainlink fence, and the 6' high chainlink fence will be added to west, north and east boundaries. There will be a locked gate at the entrance off Palafox that will be set back 75' from the west boundary and allow for queuing of vehicles. The gates will be locked at night, or during times when no work is being done at the site. Locked gates will be maintained at the designated access location. The Owner/Operator authorized representative will have responsibility for monitoring and controlling content of material brought to the site. Hours of operation will be posted on the gate.
- Stormwater Management and Erosion Control:** Stormwater will be managed and controlled in accordance with FAC Chapter 62-25.330; Escambia County and other agencies. The proposed facility will not exceed the natural ground elevation and no contouring of the land is required for this site. The ground cover will be seeded and mulched and will not create any impervious area or increase in runoff. Therefore, a stormwater permit should not be required for the proposed facility.
- Temporary Storage:** The owner of the proposed facility will be the operator of the recycling facility. The owner proposes to use the site to recycle asphalt and concrete with mobile crushing equipment. Materials will be crushed as needed and moved out to various construction sites for use in roadbuilding.
- Access:** Access to the facility will be controlled by the owner/operator through locked gates at the access point off N. Palafox. The existing paved driveway will be upgraded to County standards. Any to the site will be controlled at all operating times.
- Inspection of Site:** At least one machine operator will be on duty at all times when the site is doing crushing and moving operations and to inspect the operations. Also, outgoing material will be inspected while loading operations occur.
- Inspections:** The facility will be available for inspection by authorized government agency representatives, during normal operating hours. Should emergency or other unscheduled inspection be required, the party desiring to inspect should contact the Owner/Operator at the number and location posted at the site.
- The site will not handle CDD debris of yard waste, etc.

PARCEL ID:
21-1S-30-2-1101-005-050
ECBM, LLC
8040 N. PALAFOX
PENSACOLA, FL
ZONING: HCL/I
FLU: I
USE: INDUSTRIAL

CERTIFICATION OF OPERATIONS PLAN:

I hereby certify that the facts and information contained in this plan are true and correct to the best of my knowledge and belief and that this plan provides adequate details to satisfy the required function.

Gerald W. McGuire, PE
Florida Registration No. 39572

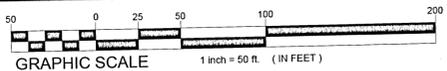
| NO. | DATE | REVISIONS |
|-----|-----------|----------------------------|
| 1 | 6-12-2021 | REV. BOUNDARY & BLDG. MOVE |
| 2 | | |
| 3 | | |
| 4 | | |

Gerald W. McGuire
6/12/2021

JMA
Engineering Services, Inc.
Civil Engineering - Planning
2726 Wallace Lake Road
P.O. Box 11, P.O. #9572
Escambia County, Florida 32560
Phone: 850-957-7323
Email: jerry@mcguire-assoc.com
Gerald W. McGuire, P.E. #9572
Engineering Business #26965

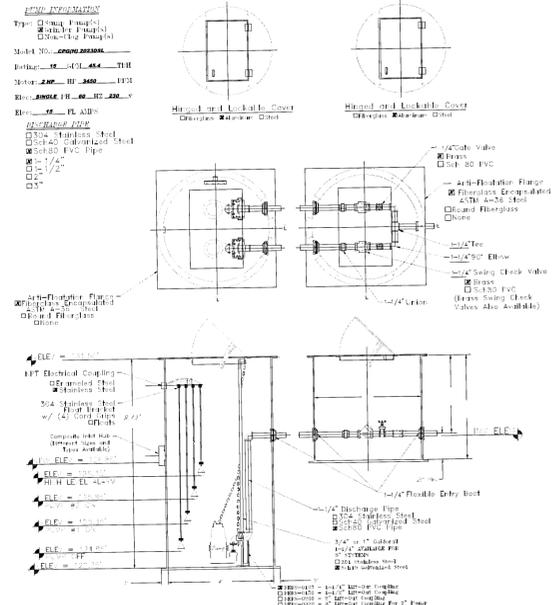
DELTA CONTRACTORS
FUTURE RECYCLING FACILITY
SITE/OPERATIONS/DUST SUPPRESSION PLAN
FLORIDA
ESCAMBIA COUNTY

| | | | | | |
|------------------------|--------------------|-----------------|----------------|---------------|-------------------------------|
| DRAWN BY: HAH | DESIGNED BY: GWM | CHECKED BY: GWM | DATE: JUN 2021 | SCALE: 1"=50' | NOT RELEASED FOR CONSTRUCTION |
| PROJECT NO: 2020.DCR#2 | FILE NO: 2020.DC#2 | SHEET: 4 OF 8 | DATE: | BY: | |



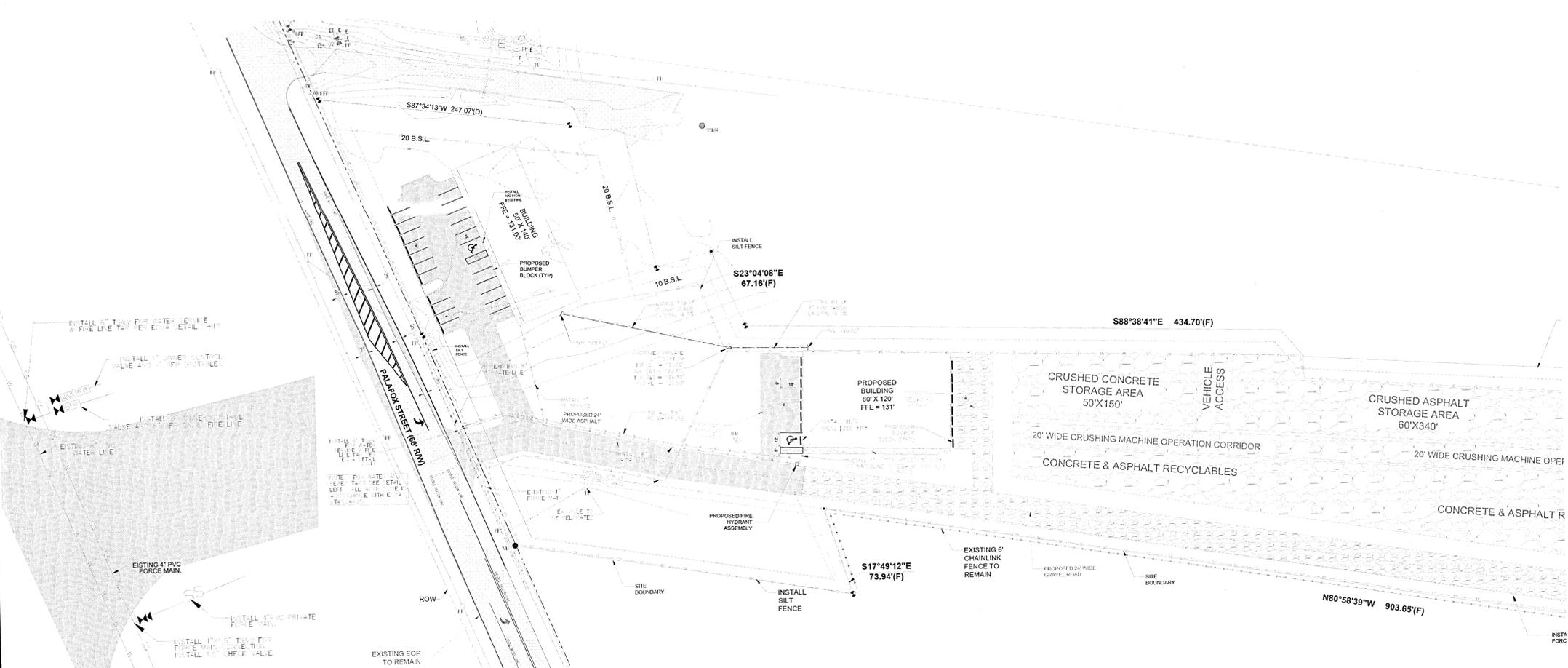
- UTILITY NOTES:**
- THE DESIGN ENGINEER (ENGINEER OF RECORD) SHALL PROVIDE TO ECUA "AS-BUILT" RECORD DRAWINGS FOR IDENTIFICATION AND APPROVAL BY ECUA ONE WEEK PRIOR TO REQUESTING A FINAL INSPECTION, OR PROVIDE "AS-BUILT" CERTIFICATION THAT THE PROJECT CONSTRUCTION ADHERED TO THE PERMITTED PLANS AND SPECIFICATIONS. THE "AS-BUILT" CERTIFICATION OR THE "AS-BUILT" RECORD DRAWINGS MUST BE SIGNED, SEALED AND DATED BY A REGISTERED FLORIDA PROFESSIONAL ENGINEER.
 - THE DEVELOPER/CONTRACTOR SHALL INSTALL PRIOR TO THE START OF CONSTRUCTION AND MAINTAIN DURING CONSTRUCTION ALL REQUIRED CONTROL MEASURES AS REQUIRED TO RETAIN ALL SEDIMENTS ON THE SITE. (MINIMUM SEDIMENT CONTROL MEASURES MAY RESULT IN CURB ELEVATION INCREASE)
 - ALL DISTURBED AREAS WHICH ARE NOT PAVED SHALL BE STABILIZED WITH SEEDING, FERTILIZER AND MULCH. HYDROSEED AND/OR SOIL REEDED AREAS SHALL INCLUDE A BAHAI MIX TO ENSURE CONTINUED GROWTH AFTER WINTER MONTHS.
 - CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS DURING CONSTRUCTION WHICH SHOW "AS-BUILT" CONDITIONS OF ALL WORK INCLUDING DRAIN, MANHOLE STRUCTURES, DIMENSIONS, ELEVATION, GRADING ETC. RECORD DRAWINGS SHALL BE PROVIDED TO THE ENGINEER OF RECORD PRIOR TO REQUESTING FINAL INSPECTION.
 - THE OWNER OR HIS AGENT SHALL ADVISE THE ENGINEER OF RECORD WITH THE ECUA A FINAL INSPECTION OF THE DEVELOPMENT UPON COMPLETION AND ANY INTERMEDIATE INSPECTIONS AT (250) 969-3310. AS-BUILT CERTIFICATION IS REQUIRED PRIOR TO REQUEST FOR FINAL INSPECTION APPROVAL.
 - NOTIFY SUNSHINE UTILITIES 48 HOURS IN ADVANCE PRIOR TO DIGGING WITHIN 8' (8'-0" TO 13'-0")
 - NO DEVIATIONS OR DEPARTURES FROM THESE PLANS BY THE CONTRACTOR SHALL BE ALLOWED WITHOUT PRIOR APPROVAL FROM BOTH THE DESIGN ENGINEER AND ECUA. ANY DEVIATIONS MAY RESULT IN DELAYS IN ECUA ACCEPTANCE OF IMPROVEMENT.
 - CONTRACTOR SHALL NOTIFY THE GENERAL PLAST UTILITIES AUTHORITY AND THE COUNTY ENGINEER 72 HOURS PRIOR TO THE COMMENCEMENT OF THIS PROJECT.
 - PROPERTY OBSTRUCTIONS WHICH ARE TO REMAIN IN PLACE, SUCH AS BUILDINGS, SEWER, STORM DRAINS, WATER OR GAS LINES, ELECTRICAL CONDUITS, POLES, WALLS, POSTS, ETC., ARE TO BE CAREFULLY PROTECTED AND ARE NOT TO BE DISMANTLED UNLESS NOTED.
 - THE CONTRACTOR SHALL NOTIFY THE SUPPLYING AGENTS OF THE WATER, GAS, SEWER, TELEPHONE AND POWER COMPANIES 10 DAYS IN ADVANCE THAT HE INTENDS TO START WORK IN A SPECIFIC AREA. THE OWNER CIRCULATING ANY RECORDS FOR THE SUPPORT AND TO THE TOWN ENGINEER, WATER, GAS, SEWER, TELEPHONE AND POWER COMPANIES TO REQUESTING FINAL INSPECTION.
 - PRIVATE PROPERTY UTILITIES (SEWER, GAS, WATER, TELEPHONE, CABLE, ETC.) ARE APPROXIMATE ONLY AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION BEFORE CONSTRUCTION. FAILURE OF THE PLANS TO SHOW THE EXISTENCE OF ANY UNDERGROUND UTILITIES, STRUCTURES, ETC., SHALL NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY OF LOCATING, PROTECTING AND PROTECTING SUCH UTILITIES OR STRUCTURES.
 - THE CONTRACTOR SHALL DISPOSE OF BY HAULING AWAY ALL EXCESS MATERIAL.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR AND COMPLY WITH ANY TESTS REQUIRED BY THE LOCAL GOVERNING AGENCY IN ADDITION TO THE TESTING REQUIREMENTS OUTLINED IN THE SPECIFICATIONS.
 - GRADING AROUND TREES WHICH ARE TO REMAIN SHALL BE AWAY FROM THE TREE IN A MANNER TO BE NEARLY PARALLEL TO THE TREE.
 - RELOCATION OF THE OBSTRUCTIONS OWNED BY PRIVATE PROPRIETORS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WHO MUST COORDINATE WITH THE PROPERTY OWNER.
 - A MINIMUM SEPARATION OF 10 FEET HORIZONTALLY AND 18 INCHES VERTICALLY MUST BE MAINTAINED BETWEEN WATER AND SEWER LINES (WATER OVER SEWER). IF THIS SEPARATION IS NOT POSSIBLE, THE SEWER LINE MUST BE ENCASED IN CONCRETE.
 - WORK PROPOSED NEXT TO THE ROW WITH EXISTING UTILITY SYSTEMS MAY REQUIRE ADDITIONAL PROVISIONS TO REPAIR/REPLACE EXISTING DRAINAGE SWALES AS NEEDED TO ENSURE ADEQUATE DRAINAGE. R/W SHOULDER STABILIZATION SHOULD BE IN ACCORDANCE WITH POST STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION.
 - NO STREETS OR ROADS UNDER THE TWO-YEAR WARRANTY WILL BE ALLOWED TO BE OPEN-CUT, OR JACK-AND-BORE, UNLESS SPECIALLY APPROVED BY THE COUNTY ENGINEER. TO ACCOMPLISH THIS REQUIREMENT, COMMON TRENCHING IS REQUIRED. WHENEVER POSSIBLE, IF COMMON TRENCHING IS REQUIRED, THE DEVELOPER WILL INSTALL CONDUIT OR MAKE OTHER APPROPRIATE ARRANGEMENTS FOR THE UTILITY NOT PARTICIPATING IN THE COMMON TRENCHING AND THE UTILITY WILL BE REQUIRED TO USE THE CONDUIT. THIS SHALL REQUIRE PLANNING BETWEEN THE UTILITY AND THE DEVELOPER.
 - A HEALTHY GROWTH OF GRASS WITHIN DISTURBED AREAS IS REQUIRED PRIOR TO COUNTY APPROVAL/TAKE-TAKE.
 - ALL UNDERGROUND PIPES SHALL A MINIMUM COVER OF 1'
 - ALL PROPOSED UNDERGROUND UTILITIES WITHIN 8' (8'-0") OF UTILITY CONDUIT FOR ROAD CROSSINGS SHALL BE INSTALLED PRIOR TO PAVING. NO STREETS OR ROADS UNDER THE TWO (2) YEAR WARRANTY WILL BE ALLOWED TO BE OPEN-CUT, OR JACK-AND-BORE, UNLESS SPECIALLY APPROVED BY THE COUNTY ENGINEER. TO ACCOMPLISH THIS REQUIREMENT, COMMON TRENCHING IS REQUIRED. WHENEVER POSSIBLE, IF COMMON TRENCHING IS REQUIRED, THE DEVELOPER SHALL INSTALL CONDUIT FOR THE UTILITY NOT PARTICIPATING IN THE COMMON TRENCHING FOR ALL ROAD CROSSINGS AND THE UTILITY COMPANY WILL BE REQUIRED TO USE THE CONDUIT. THIS SHALL REQUIRE PLANNING BETWEEN THE DEVELOPER AND THE UTILITY.
 - ROUGH GRADE OF RIGHT-OF-WAY MUST BE ESTABLISHED PRIOR TO COMMON TRENCH UTILITY INSTALLATION TO ENSURE UTILITIES ARE INSTALLED AT PROPER DEPTHS. THIS NOTE SHOULD ALSO INDICATE A MINIMUM 30" OF COVER IS REQUIRED AROUND ALL UTILITIES. THIS COVER SHALL BE REQUIRED PRIOR TO GRADE IF ROAD IS TO BE FILL AND MEASURE FROM TOP OF CURB IF ROAD IS IN CUT.
 - THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD AT LEAST TWO WEEKS PRIOR TO PLACEMENT OF BASE MATERIAL TO ASSIST IN THE COORDINATION OF ALL OTHER UNDERGROUND UTILITIES.
 - ELECTRIC/PHONE/CABLE/POAS STRUCTURES INSTALLED WITHIN DRAINAGE ADJACENT EASEMENTS SHALL BE LOCATED ALONG THE BOUNDARY OF THE EASEMENT TO MAINTAIN CLEAR ACCESS FOR MAINTENANCE EQUIPMENT.

ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE ESCAMBIA COUNTY LAND DEVELOPMENT CODE, THE ECUA DESIGN STANDARDS LATEST EDITION, AND THE F.D.O.T. DESIGN STANDARDS LATEST EDITIONS.



| NO. | DATE | REV PER | ADDITION |
|-----|-----------|---------|----------|
| 1 | 6-12-2021 | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |

THIS DRAWING IS THE PROPERTY OF JERRY W. MCGUIRE & ASSOCIATES, P.A. AND IS NOT TO BE REPRODUCED IN WHOLE OR IN PART. IT IS NOT TO BE USED ON ANY OTHER PROJECT AND IS TO BE RETURNED UPON REQUEST.



- LIFT STATION/UTILITY NOTES:**
- THERE SHALL BE A MINIMUM OF 10' HORIZONTAL AND 18" VERTICAL SEPARATION BETWEEN SEWER LINES AND WATERLINES (WATER OVER SEWER). IF THE MINIMUM SEPARATION CANNOT BE MET REFER TO THE INCLUDED CONCRETE ENCASEMENT DETAIL.
 - THERE SHALL BE NO CROSS CONNECTION BETWEEN THE WASTEWATER COLLECTION SYSTEM, POTABLE WATER SYSTEM AND/OR STORMWATER SYSTEM.
 - THE LIFT STATION AND VALVE BOX ACCESS HATCH ARE TO HAVE LOCKS AND SHALL BE LOCKED AT ALL TIMES WHEN THEY ARE UNMANNED.
 - THERE ARE NO EXISTING POTABLE WATER WELLS WITHIN 100 FEET OF THE PROPOSED LIFT STATION OR SEWER LINES.
 - THE LIFT STATION TOP ELEVATION IS 131.50', WHICH WILL BE FULLY ACCESSIBLE AND FUNCTIONAL IN A 25 YEAR STORM EVENT.
 - THE ELECTRICAL AND MECHANICAL EQUIPMENT FOR THE LIFT STATION IS AT A MINIMUM ELEVATION OF 78.50', WHICH WILL BE PROTECTED IN A 100 YEAR STORM EVENT.
 - PUMP TO BE CHAMPION CFC(H) 2023DSL SUBMERSIBLE GRINDER PUMP W/ 3.75" IMPELLER, 2 HP-3450 RPM TO DELIVER 15 GPM @ 28.3' TDH.
 - STATION TO HAVE GENERATOR RECEPTACLE ON CONTROL PANEL PER F.A.C. 62-804.400(2)(a).
 - STATION TO BE EQUIPPED WITH LIGHTNING ARRESTOR AND SURGE CAPACITOR TO PROTECT AGAINST OVERLOAD PER F.A.C. 62-804.400(2)(b).
 - STATION TO BE EQUIPPED WITH MOTOR OVERLOAD AND PHASE PROTECTION TO PROTECT AGAINST OVERLOAD PER F.A.C. 62-804.400(2)(b).
 - CONTRACTOR TO CHECK EXISTING POWER SUPPLY BEFORE ORDERING OR INSTALLING LIFT STATION PUMPS.

WATER & SEWER TAP & METER SET DETAILS
SCALE: 1" = 10'



VICINITY MAP (SCALE 1"=500')

J M A
Engineering Services, Inc.
Civil Engineering - Planning

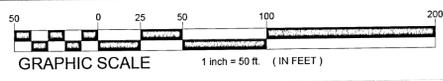
EMAIL: jerry@mcguire-essco.com
Cerald W. McGuire, P.E. 05/27/21
Engineering Business #28896

2726 Wallace Lake Road
Pella, IA 52677
PHONE: 855-957-2523

DELTA CONTRACTORS
FUTURE RECYCLING FACILITY
WATER, FIRE SERVICE & SEWER PLAN

FLORIDA
ESCAMBIA COUNTY

| | | | |
|-------------------------------|------------------|-----------------|----------------|
| DRAWN BY: IMH | DESIGNED BY: GWM | CHECKED BY: GWM | DATE: JUN 2021 |
| SCALE: 1" = 50' | | | |
| NOT RELEASED FOR CONSTRUCTION | | | |
| BY: _____ DATE: _____ | | | |
| PROJECT NO: 2020 DCRFR2 | | | |
| FILE NO: 2020 DCR2 | | | |
| SHEET: 5 OF 8 | | | |



T-14 34" LAUREL OAK TREE LABEL TYPE & SIZE

NOTE: FENCE MATERIAL SHALL BE PLACED AT THE DRIP LINE OF THE TREE. THE NUMBER OF 2"x4" STAKES SHALL BE PLACED PRIOR TO ANY LAND DISTURBANCE

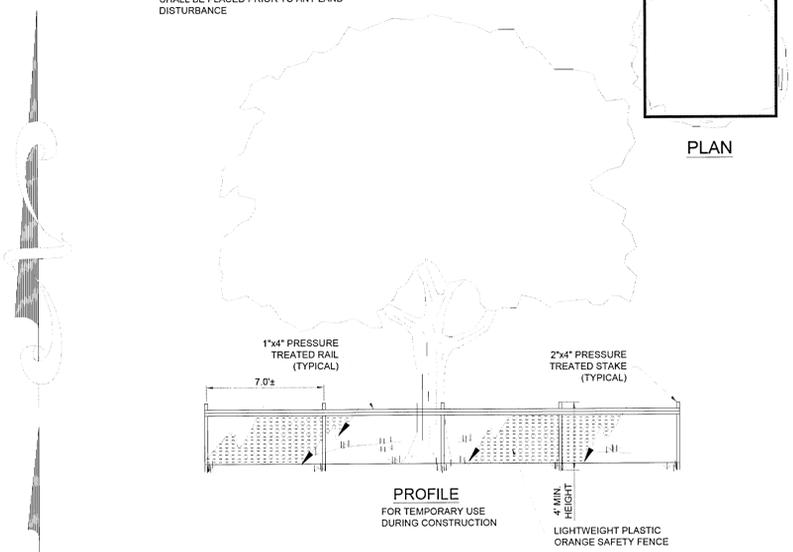
LEGEND

- DENOTES EXISTING CONCRETE
- DENOTES CONCRETE TO BE REMOVED
- DENOTES EXISTING WOOD PRIVACY FENCE
- DENOTES PROPOSED SILT CURTAIN FENCE
- DENOTES EXISTING TREE TO REMAIN
- DENOTES EXISTING TREE TO BE REMOVED
- PROPOSED CANOPY & MITIGATION TREE (RED OAK, MAGNOLIA, LIVE OAK)
- PROPOSED MITIGATION TREE (MAGNOLIA)
- PROPOSED UNDERSTORY TREE
- PROPOSED SHRUB

| TREE ID. | COMMON NAME | SPECIES NAME | DIAMETER (INCHES) | NOTES | CALIPER INCHES REASON FOR REMOVAL | MITIGATION REQUIRED |
|----------|-------------------|-------------------------|-------------------|------------------------|-----------------------------------|---------------------|
| T-1 | LIVE OAK | QUERCUS VIRGINIA | 32 | | REMOVE GRAVEL | 32 |
| T-2 | LIVE OAK | QUERCUS VIRGINIA | 30 | | REMOVE GRAVEL | 30 |
| T-3 | LIVE OAK | QUERCUS VIRGINIA | 24 | | REMOVE GRAVEL | 24 |
| T-4 | LIVE OAK | QUERCUS VIRGINIA | 28 | | REMOVE GRAVEL | 28 |
| T-5 | LIVE OAK | QUERCUS VIRGINIA | 28 | | REMOVE GRAVEL | 28 |
| T-6 | LIVE OAK | QUERCUS VIRGINIA | 32 | | REMOVE GRAVEL | 32 |
| T-7 | LAUREL OAK | QUERCUS LAURIFLORA | 40 | | SAVE | |
| T-8 | LIVE OAK | QUERCUS VIRGINIA | 42 | MULTI-STEM | SAVE | |
| T-9 | LAUREL OAK | QUERCUS LAURIFLORA | 30 | | SAVE | |
| T-10 | LAUREL OAK | QUERCUS LAURIFLORA | 25 | | SAVE | |
| T-11 | LAUREL OAK | QUERCUS LAURIFLORA | 20 | | REMOVE GRAVEL | 20 |
| T-12 | LIVE OAK | QUERCUS VIRGINIA | 34 | | REMOVE GRAVEL | 34 |
| T-13 | SWEET GUM | LIQUIDAMBAR STYRACIFLUA | 28 | | REMOVE GRAVEL | 28 |
| T-14 | LIVE OAK | QUERCUS VIRGINIA | 36 | | REMOVE GRAVEL | 36 |
| T-15 | LAUREL OAK | QUERCUS LAURIFLORA | 40 | | REMOVE GRAVEL | 40 |
| T-16 | LAUREL OAK | QUERCUS LAURIFLORA | 14 | | REMOVE GRAVEL | 14 |
| T-17 | LAUREL OAK | QUERCUS LAURIFLORA | 18 | | REMOVE GRAVEL | 18 |
| T-18 | LAUREL OAK | QUERCUS LAURIFLORA | 16 | | REMOVE GRAVEL | 16 |
| T-19 | LAUREL OAK | QUERCUS LAURIFLORA | 16 | | REMOVE GRAVEL | 16 |
| T-21 | WATER OAK | QUERCUS NIGRA | 12 | | REMOVE GRAVEL | 12 |
| T-22 | CHOKE CHERRY | PRUNUS VIRGINIA | 16 | | REMOVE GRAVEL | 16 |
| T-23 | LAUREL OAK | QUERCUS LAURIFLORA | 21 | | REMOVE GRAVEL | 21 |
| T-24 | LAUREL OAK | QUERCUS LAURIFLORA | 14 | | REMOVE GRAVEL | 14 |
| T-25 | LAUREL OAK | QUERCUS LAURIFLORA | 14 | | REMOVE GRAVEL | 14 |
| T-26 | WATER OAK | QUERCUS NIGRA | 16 | | REMOVE GRAVEL | 16 |
| T-27 | LAUREL OAK | QUERCUS LAURIFLORA | 16 | | REMOVE GRAVEL | 16 |
| T-28 | LAUREL OAK | QUERCUS LAURIFLORA | 12 | HURRICANE DAMAGED TREE | | |
| T-29 | LAUREL OAK | QUERCUS LAURIFLORA | 15 | | REMOVE GRAVEL | 15 |
| T-30 | LAUREL OAK | QUERCUS LAURIFLORA | 14 | | REMOVE GRAVEL | 14 |
| T-31 | RED CEDAR | JUNIPERUS VIRGINIA | 18 | | REMOVE GRAVEL | 18 |
| T-32 | LAUREL OAK | QUERCUS LAURIFLORA | 12 | | REMOVE GRAVEL | 12 |
| T-33 | LAUREL OAK | QUERCUS LAURIFLORA | 16 | | REMOVE GRAVEL | 16 |
| T-34 | WATER OAK | QUERCUS NIGRA | 12 | HURRICANE DAMAGED TREE | | |
| T-35 | LAUREL OAK | QUERCUS LAURIFLORA | 15 | HURRICANE DAMAGED TREE | | |
| T-36 | RED CEDAR | JUNIPERUS VIRGINIA | 16 | | REMOVE GRAVEL | 16 |
| T-37 | RED CEDAR | JUNIPERUS VIRGINIA | 18 | | REMOVE GRAVEL | 18 |
| T-38 | LAUREL OAK | QUERCUS LAURIFLORA | 12 | HURRICANE DAMAGED TREE | | |
| T-39 | LAUREL OAK | QUERCUS LAURIFLORA | 12 | | REMOVE GRAVEL | 12 |
| T-40 | LAUREL OAK | QUERCUS LAURIFLORA | 16 | | REMOVE GRAVEL | 16 |
| T-41 | RED CEDAR | JUNIPERUS VIRGINIA | 18 | | REMOVE GRAVEL | 18 |
| T-42 | LAUREL OAK | QUERCUS LAURIFLORA | 18 | | REMOVE GRAVEL | 18 |
| T-43 | LAUREL OAK | QUERCUS LAURIFLORA | 12 | | REMOVE GRAVEL | 12 |
| T-44 | WATER OAK | QUERCUS NIGRA | 16 | | REMOVE GRAVEL | 16 |
| T-45 | LIVE OAK | QUERCUS VIRGINIA | 18 | | REMOVE GRAVEL | 18 |
| T-46 | LIVE OAK | QUERCUS VIRGINIA | 18 | | REMOVE GRAVEL | 18 |
| T-47 | LIVE OAK | QUERCUS VIRGINIA | 41 | | REMOVE GRAVEL | 41 |
| T-48 | LAUREL OAK | QUERCUS LAURIFLORA | 18 | | REMOVE GRAVEL | 18 |
| T-49 | LAUREL OAK | QUERCUS LAURIFLORA | 18 | | SAVE | |
| T-50 | WATER OAK | QUERCUS NIGRA | 12 | | SAVE | |
| T-51 | RED CEDAR | JUNIPERUS VIRGINIA | 16 | | SAVE | |
| T-52 | LAUREL OAK | QUERCUS LAURIFLORA | 14 | | REMOVE GRAVEL | 14 |
| T-53 | LAUREL OAK | QUERCUS LAURIFLORA | 14 | | REMOVE GRAVEL | 14 |
| T-54 | SWEETBAY MAGNOLIA | MAGNOLIA VIRGINIA | 14 | | REMOVE GRAVEL | 14 |
| T-55 | RED CEDAR | JUNIPERUS VIRGINIA | 12 | HURRICANE DAMAGED TREE | | |
| T-56 | SOUTHERN MAGNOLIA | MAGNOLIA GRANDIFLORA | 14 | | REMOVE GRAVEL | 14 |
| T-57 | LIVE OAK | QUERCUS VIRGINIA | 12 | | REMOVE GRAVEL | 12 |
| T-58 | WATER OAK | QUERCUS NIGRA | 14 | | REMOVE GRAVEL | 14 |
| T-59 | SOUTHERN MAGNOLIA | MAGNOLIA GRANDIFLORA | 20 | MULTI-STEM | REMOVE GRAVEL | 20 |
| T-60 | SWEETBAY MAGNOLIA | MAGNOLIA VIRGINIA | 12 | | REMOVE GRAVEL | 12 |
| T-61 | SOUTHERN MAGNOLIA | MAGNOLIA VIRGINIA | 14 | HURRICANE DAMAGED TREE | | |
| T-62 | SOUTHERN MAGNOLIA | MAGNOLIA GRANDIFLORA | 14 | | REMOVE GRAVEL | 14 |
| T-63 | LAUREL OAK | QUERCUS LAURIFLORA | 12 | | REMOVE GRAVEL | 12 |
| T-64 | WATER OAK | QUERCUS NIGRA | 18 | | REMOVE GRAVEL | 18 |
| T-65 | WATER OAK | QUERCUS NIGRA | 18 | | REMOVE GRAVEL | 18 |
| T-66 | SWEETBAY MAGNOLIA | MAGNOLIA VIRGINIA | 12 | | REMOVE GRAVEL | 12 |
| T-67 | SASSAFRAS | SASSAFRAS ALBIDUM | 18 | HURRICANE DAMAGED TREE | | |
| T-68 | SOUTHERN MAGNOLIA | MAGNOLIA GRANDIFLORA | 18 | HURRICANE DAMAGED TREE | | |
| T-69 | SOUTHERN MAGNOLIA | MAGNOLIA GRANDIFLORA | 14 | | REMOVE GRAVEL | 14 |
| T-70 | SOUTHERN MAGNOLIA | MAGNOLIA GRANDIFLORA | 26.6 | MULTI-STEM | REMOVE GRAVEL | 26.6 |
| T-71 | LIVE OAK | QUERCUS VIRGINIA | 18 | | REMOVE GRAVEL | 18 |
| T-72 | WATER OAK | QUERCUS NIGRA | 14 | | REMOVE GRAVEL | 14 |
| T-73 | SOUTHERN MAGNOLIA | MAGNOLIA GRANDIFLORA | 14 | | REMOVE GRAVEL | 14 |
| T-74 | SASSAFRAS | SASSAFRAS ALBIDUM | 25.5 | MULTI-STEM | SAVE | |
| T-75 | WATER OAK | QUERCUS NIGRA | 14 | | SAVE | |
| T-76 | WATER OAK | QUERCUS NIGRA | 14 | | SAVE | |
| T-77 | LAUREL OAK | QUERCUS LAURIFLORA | 14 | | SAVE | |
| T-78 | LAUREL OAK | QUERCUS LAURIFLORA | 14 | | SAVE | |
| T-79 | LAUREL OAK | QUERCUS LAURIFLORA | 12 | | SAVE | |
| T-80 | LAUREL OAK | QUERCUS LAURIFLORA | 12 | | SAVE | |
| T-81 | LIVE OAK | QUERCUS VIRGINIA | 18 | | SAVE | |
| T-82 | LAUREL OAK | QUERCUS LAURIFLORA | 16 | | SAVE | |
| T-83 | LIVE OAK | QUERCUS VIRGINIA | 18 | | SAVE | |
| T-84 | LIVE OAK | QUERCUS VIRGINIA | 36 | | SAVE | |

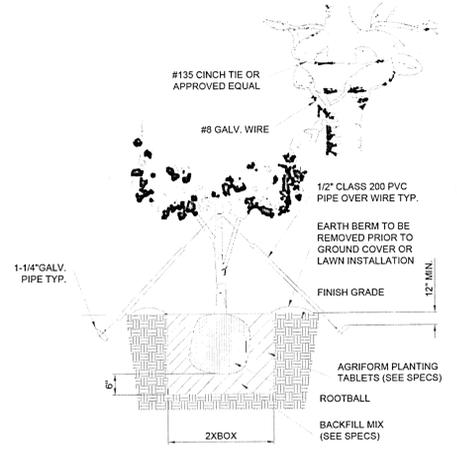
NOTE: TREES FROM SITE SPECIFIC SURVEY TOTAL MITIGATION REQUIRED EXLSUSIVEOF ACREAGE CAP = 529

NOTE: TREE T-26, T-84, & T-93 AS SHOWN ON THE SURVEY ARE NOT ON THE DELTA RECYCLING PARCEL.

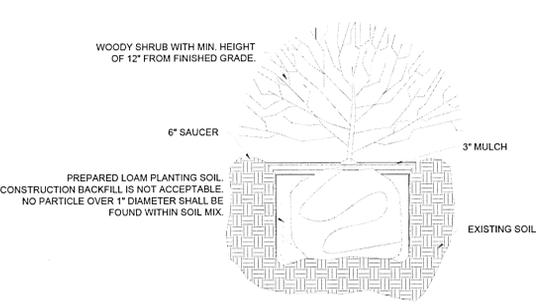


TREE BARRICADE DETAIL N.T.S.

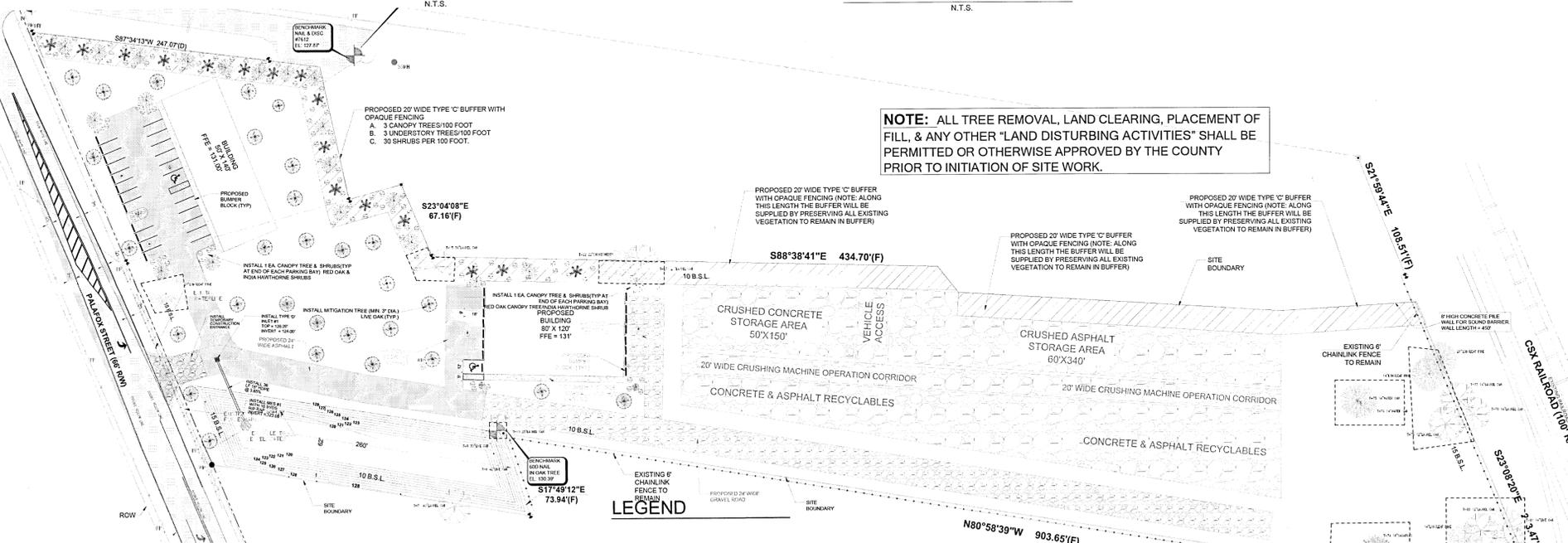
- TREE PROTECTION NOTES**
- TREE PROTECTION BARRICADES SHOULD BE PLACED AROUND THE DRIPLINE OF ALL PROTECTED TREES MARKED FOR PRESERVATION PRIOR TO ANY LAND DISTURBANCE CONSISTENT WITH THE DEVELOPMENT ORDER.
 - NO PROTECTED TREES WILL BE REMOVED (OTHER THAN WHAT IS PERMITTED BY THE DEVELOPMENT ORDER), DESTRUCTIVELY DAMAGED, MUTILATED, RELOCATED, DISFIGURED, DESTROYED, CUT DOWN, OR EXCESSIVELY PRUNED DURING CONSTRUCTION ACTIVITIES. (7.01.03 C1)
 - NO UN-PERMITTED GRADING OR CLEARING BY HEAVY EQUIPMENT SHOULD HAPPEN UNDER THE DRIPLINE OF PROTECTED TREES TO REMAIN ON-SITE. STORAGE OF HEAVY EQUIPMENT SHALL NOT OCCUR UNDER THE DRIPLINE OF THE PROTECTED TREES ON-SITE.



TREE PLANTING DETAIL N.T.S.



SHRUB PLANTING DETAIL N.T.S.



NOTE: ALL TREE REMOVAL, LAND CLEARING, PLACEMENT OF FILL, & ANY OTHER "LAND DISTURBING ACTIVITIES" SHALL BE PERMITTED OR OTHERWISE APPROVED BY THE COUNTY PRIOR TO INITIATION OF SITE WORK.

- NOTES:**
- ONLY THOSE PROTECTED TREES NOTED WITH AN "X" SHALL BE REMOVED FOR THIS DEVELOPMENT. PLEASE NOTE THE TOTAL TREE INCHES TO BE REMOVED IS 1,058 INCHES.
 - TREE REPLACEMENT AT 0.5 INCHES PER REMOVAL OF TREE = 529 INCHES.
 - DUE TO LIMITED SITE AREA, DEVELOPER WISHES TO PURSUE TREE REPLACEMENT OPTIONS:
 - A. LIMIT UNDER SECTION 2-5.2(C). FOR 5.91 ACRES X 25 INCHES/ACRE = 148 INCHES OF TREES. (at 3" PER REPLACEMENT TREES = 49 TREES.)
 - REFERENCE TABLE TO RIGHT FOR LOCATION OF TREES TO BE REMOVED.

ON-SITE LANDSCAPING NOTES (DOES NOT APPLY TO COUNTY RIGHT-OF-WAY)

- INTERIOR CUSTOMER PARKING AREA LANDSCAPING ISLANDS ARE REQUIRED TO BE PLANTED WITH ONE CANOPY TREE.
- ALL REPLACEMENT/MITIGATION TREES TO BE PLANTED ARE TO BE NATIVE. CANOPY TREES WITH A MINIMUM CALIPER INCH OF 2.5" OR GREATER AT 4" ABOVE ROOTBALL AT TIME OF PLANTING. ALL TREES ARE TO HAVE A CLEAR TRUNK FROM FINISHED GRADE TO 5' ABOVE GRADE TO ALLOW FOR CLEAR VISIBILITY. UNDERSTORY TREES ARE THOSE THAT REACH A MATURE HEIGHT LESS THAN 20'. CANOPY TREES ARE THOSE THAT REACH A MATURE HEIGHT OF 20' OR GREATER. SEE ABOVE FOR THE TREE TYPES AND LOCATIONS (RED OAK, MAGNOLIA, INDIA HAWTHORNE FOR SHRUBS ARE CALLED OUT.)
- CREPE MYRTLE TREES DO NOT COUNT AS NATIVE OR CANOPY TREES. CONTRACTOR PERFORMING WORK TO USE NATIVE, CANOPY TREES PER LDC CHAPTER 5, ARTICLE 7.
- NON-NATIVE SPECIES ACCOUNT FOR 25% OR LESS OF TOTAL REQUIRED TREES PLANTED.
- MAXIMUM PERCENTAGE OF ANY ONE SPECIES LIMITED TO 67% FOR THIS SITE BASED ON REPLACEMENT TREES.
- REPLACEMENT TREES SHALL BE A MINIMUM CALIPER OF 2.5" OR GREATER 4" ABOVE THE ROOTBALL AT THE TIME OF PLANTING. TREES ARE TO BE FLORIDA GRADE 1 OR BETTER, NATIVE IN SPECIES, AND A CANOPY TREE (>20' AT MATURE HEIGHT). CANOPY TREES TO PLANTED ON-SITE ARE AMERICAN ELM, LIVE OAK, SOUTHERN RED OAK, RED MULBERRY OR OTHER TREE APPROVED BY ESCAMBIA COUNTY. 2.5" MINIMUM CALIPER INCHES EACH AT THE TIME OF PLANTING.
- UNDERSTORY TREES TO BE PLANTED ON-SITE ARE FLOWERING DOGWOOD, CHICKASAW PLUM, LOQUAT, FRINGE TREE, SWEETLEAF OR OTHER TREE APPROVED BY ESCAMBIA COUNTY. CANOPY TREES TO PLANTED ON-SITE ARE AMERICAN ELM, LIVE OAK, SOUTHERN RED OAK, RED MULBERRY OR OTHER TREE APPROVED BY ESCAMBIA COUNTY.
- ALL DISTURBED AREAS WHICH ARE NOT PAVED ARE TO BE STABILIZED WITH SEEDING, FERTILIZER, AND MULCH, HYDROSEED, AND/OR SOD.
- ALL SHRUBS ARE TO BE NATIVE SPECIES AND ARE TO BE PLANTED WITHIN ALL LANDSCAPING BUFFERS AS SHOWN. SHRUBS ARE TO BE A MIN. OF 12" HIGH AT TIME OF PLANTING.
- ALL REQUIRED LANDSCAPING AREAS ARE TO BE PROVIDED WITH AND IRRIGATION SYSTEM WITH RAIN SENSORS. THE MATERIALS TO BE USED FOR THE IRRIGATION SYSTEM ARE TO BE ASTM APPROVED.
- LANDSCAPING BUFFER ALONG PUBLIC RIGHTS-OF-WAY REQUIREMENT: 1 UNDERSTORY TREE PER 40 LF OF FRONTAGE ALONG YONGE STREET RIGHT-OF-WAY.
- 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.

REVISIONS

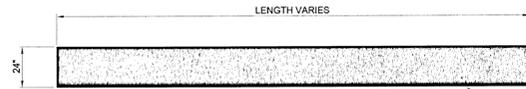
| NO. | DATE | REV. TREE TABLE BASED ON SITE SPECIFIC |
|-----|-----------|--|
| 1 | 9-17-2021 | |
| 2 | | |
| 3 | | |
| 4 | | |

Jerry W. McQuire
1/13/2021

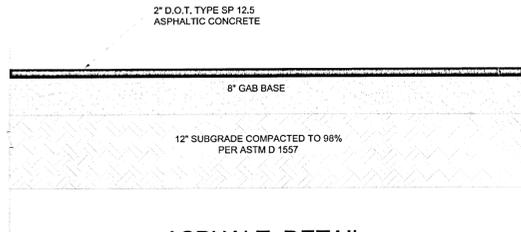
JMA
Engineering Services, Inc.
Civil Engineering - Planning
2726 Wallace Lake Road
Pace, FL 32371
PHONE: 850-995-7323
EMAIL: jerry@mcquire-assoc.com
Gerard W. McQuire, P.E. #93572
Engineering Business #29505

DELTA CONTRACTORS
FUTURE RECYCLING FACILITY
ENVIRONMENTAL/LANDSCAPE PLANTIN PLAN
FLORIDA
ESCAMBIA COUNTY

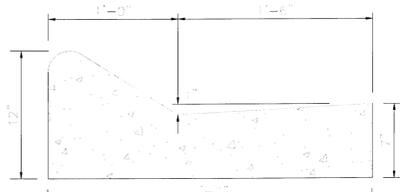
DRAWN BY: HAH
DESIGNED BY: GVM
CHECKED BY: GVM
DATE: FEB 2020
SCALE: 1"=50'
NOT FOR CONSTRUCTION
BY: DATE:
PROJECT NO: 2020.DCRP#2
FILE NO: 2020.DCR#2
SHEET: 6 OF 8



STOP BAR DETAIL
N.T.S.

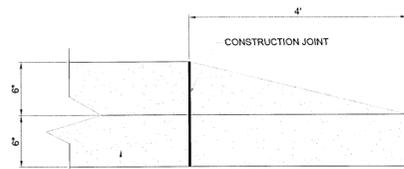


ASPHALT DETAIL
N.T.S.

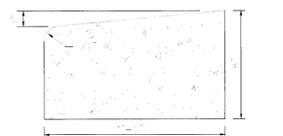


TYPE 'B' CURB & GUTTER FOR CURB MACHINE
N.T.S.

- NOTE:**
1. ALL CURB TO HAVE DUMMY JOINT AT 10' ON CENTER. MIN. DEPTH OF JOINT TO BE 2".
 2. EXPANSION JOINTS ARE TO BE 60' ON CENTER. TYPICAL FOR ALL CURB.
 3. CONCRETE TO BE 3000 PSI.

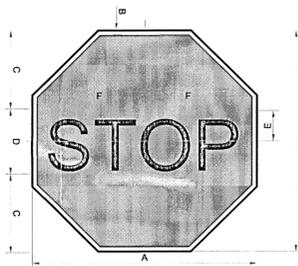


4' CURB TRANSITION DETAIL
N.T.S.



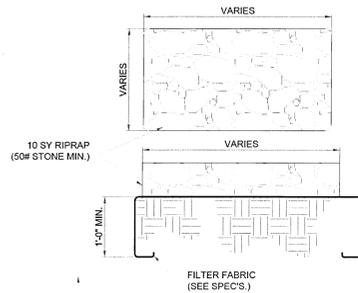
- NOTE:**
1. ALL CURB TO HAVE DUMMY JOINT AT 10' ON CENTER. MIN. DEPTH OF JOINT TO BE 2".
 2. EXPANSION JOINTS ARE TO BE 60' ON CENTER. TYPICAL FOR ALL CURB.
 3. CONCRETE TO BE 3000 PSI.

WHITE THERMOPLASTIC STRIPING

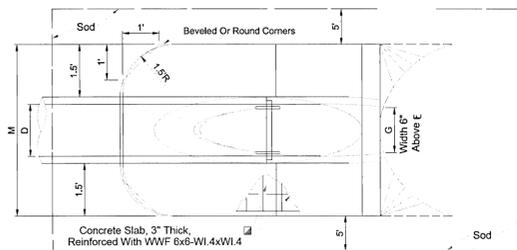


R1-1 STOP SIGN DETAIL
N.T.S.

| A | B | C | D | E | F |
|-----|-----|-----|-----|----|-------|
| 30" | 75" | 10" | 10C | 5" | 12.5" |



RIPRAP DETAIL
N.T.S.



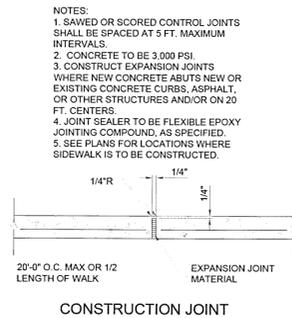
TOP VIEW-SINGLE PIPE

- NOTE:**
- 6.42' - 6.25' Dimensions permitted to allow use of 8' standard pipe lengths.
 - 10.40' - 10.10' Dimensions permitted to allow use of 12' standard pipe lengths.
 - Concrete slab shall be deepened to form bridge across crown of pipe. See section.

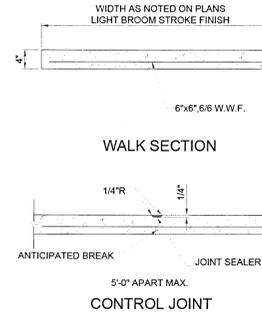
| SLOPE | D | X | A | B | C | E | F | G | DIMENSIONS AND QUANTITIES | | | | N | 3" CONCRETE SLAB (CY) | | | | SODDING (SQ. YDS.) | | | |
|-----------|-----|--------|-------|-------|--------|-------|-----|-------|---------------------------|-------------|-------------|------------|-------|-----------------------|-------------|-------------|------------|--------------------|----|----|----|
| | | | | | | | | | Single Pipe | Double Pipe | Triple Pipe | Quad. Pipe | | Single Pipe | Double Pipe | Triple Pipe | Quad. Pipe | | | | |
| 4:1 Slope | 18" | 2'-10" | 2.36' | 5.12' | 7.48' | 5.03' | 9' | 1.41' | 4.92' | 7.75' | 10.58' | 13.42' | 1.21' | 0.47 | 0.69 | 0.91 | 1.14 | 25 | 28 | 31 | 35 |
| 4:1 Slope | 24" | 3'-5" | 2.53' | 7.18' | 9.71' | 7.03' | 11' | 1.73' | 5.50' | 8.92' | 12.33' | 15.75' | 1.25' | 0.60 | 0.90 | 1.21 | 1.52 | 28 | 32 | 36 | 40 |
| 4:1 Slope | 30" | 4'-3" | 2.70' | 9.25' | 11.95' | 9.03' | 13' | 2.00' | 6.08' | 10.33' | 14.58' | 18.83' | 1.29' | 0.76 | 1.19 | 1.63 | 2.07 | 31 | 36 | 41 | 46 |

SINGLE ROUND CONCRETE PIPE

MITERED END SECTION DETAIL
N.T.S.

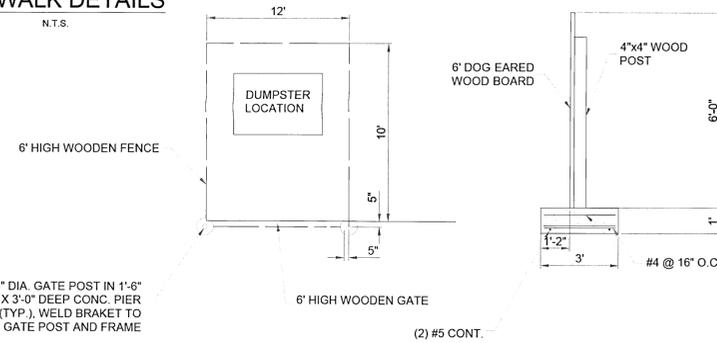


CONSTRUCTION JOINT



WALK SECTION

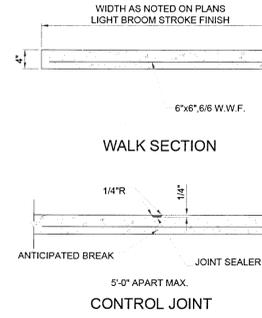
SIDEWALK DETAILS
N.T.S.



DUMPSTER SCREEN DETAIL
N.T.S.

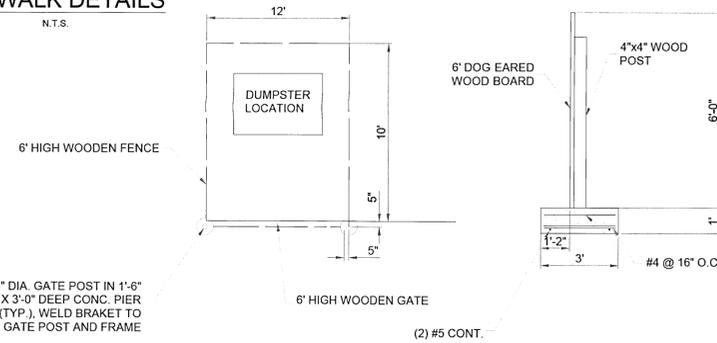


CONSTRUCTION JOINT

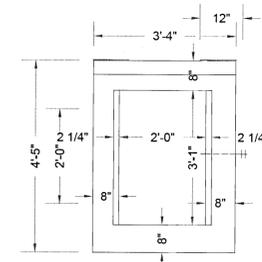


WALK SECTION

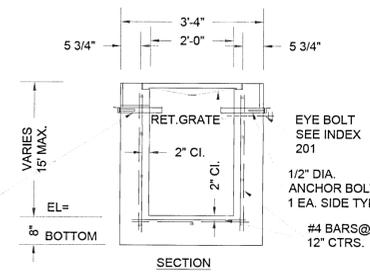
SIDEWALK DETAILS
N.T.S.



DUMPSTER SCREEN DETAIL
N.T.S.



PLAN
1 LF-66" CMP (GALV.) @ 0.109" THK.



SECTION

F.D.O.T. TYPE 'C' INLET
N.T.S.

RECOMMENDED MAXIMUM PIPE SIZE
3'-1" WALL-24" PIPE 2'-0" WALL-18" PIPE

| NO. | DATE | REVISIONS |
|-----|------|-----------|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |

Jerry W. McGuire
1/19/2021

JMA
Engineering Services, Inc.
Civil Engineering - Planning
728 Wilcox Lake Road
P.O. Box 1000
Escambia County, FL 32505
PHONE: 850-995-7323
EMAIL: jerry@mcguireassoc.com
Engineering Business #28295

DELTA CONTRACTORS
RECYCLING FACILITY NO. 2
DETAILS & POND SECTION/DETAILS
FLORIDA
ESCAMBIA COUNTY

DRAWN BY: HAH
DESIGNED BY: GWM
CHECKED BY: GWM
DATE: JUN 2021
SCALE: N.T.S.
NOT RELEASED FOR CONSTRUCTION
BY: GWM DATE:

PROJECT NO: 2020 DCRF2
FILE NO: 2020 DC2
SHEET: 8 OF 8

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