

June 2, 2023

PROJECT NAME: FAMILY DOLLAR - MCINTOSH, FL (REVISION TO AR29204)

PROJECT #2022090108

APPLICATION: MAJOR SITE PLAN #29283

- 1 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 2.12.38 - Stormwater Maintenance Entity
STATUS OF REVIEW: INFO
REMARKS: Signature block has been added as requested. Please ensure that when the owner signs the certification, they also print their name. Ownership will need to be verified prior to final approval.
- 2 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.10.B - Copy of NPDES Permit or NOI
STATUS OF REVIEW: INFO
REMARKS: Please provide a copy of the NPDES permit or NOI.
- 3 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: Copy of District Permit (County Interest)
STATUS OF REVIEW: INFO
REMARKS: Please provide a copy of the District permit.
- 4 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.12 - Operation and Maintenance
STATUS OF REVIEW: INFO
REMARKS: Please ensure that when the owner signs the certification, they also print their name. Ownership will need to be verified prior to final approval.
- 5 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: Additional Stormwater comments
STATUS OF REVIEW: INFO
REMARKS: If you have questions or would like to discuss stormwater review comments, please contact Kevin Vickers, PE at 352-671-8695.
- 6 DEPARTMENT: ENGIN - DEVELOPMENT REVIEW
REVIEW ITEM: 2.12.4.F - Licensed professional certification on cover sheet with signature and seal on all sheets after plan approval
STATUS OF REVIEW: INFO
REMARKS:
- 7 DEPARTMENT: ENGIN - DEVELOPMENT REVIEW
REVIEW ITEM: 2.12.4.K - List of approved waivers, their conditions, and the date of approval
STATUS OF REVIEW: INFO
REMARKS: 11/8/22 - add waivers if requested in the future
- 8 DEPARTMENT: ENGIN - DEVELOPMENT REVIEW
REVIEW ITEM: 2.21.2.A - Multi-phase Major Site Plans may include a separate sheet showing independent, stand alone phasing and shall not be subject to a separate Master Plan application
STATUS OF REVIEW: INFO
REMARKS: 11/8/22 - no phasing shown

9 DEPARTMENT: ENGIN - DEVELOPMENT REVIEW

REVIEW ITEM: Additional Development Review Comments

STATUS OF REVIEW: INFO

REMARKS: After approval, plans will be electronically stamped by the County. The applicant will receive an email indicating that approved plans are available for download and are located in the ePlans project Approved folder. For Development Review submittals, with the exception of Final Plats and Minor Site Plans, applicants are required to print, obtain required signatures, and sign and seal two 24"x 36" sets of the electronically stamped approved plan and deliver them to the Office of County Engineer, Development Review Section, located at 412 SE 25th Avenue Ocala, FL 34471. Upon receipt, a development order will be issued. Until such time as that development order is issued, the project does not have final approval and construction, if applicable, shall not commence. For plans requiring As-Builts, As-Builts and associated documentation shall be submitted on paper in accordance with current county requirements.



Marion County Board of County Commissioners

Office of the County Engineer

412 SE 25th Ave.
Ocala, FL 34471
Phone: 352-671-8686
Fax: 352-671-8687

DEVELOPMENT REVIEW PLAN APPLICATION

Date: 10/21/2022

A. PROJECT INFORMATION:

Project Name: Family Dollar - McIntosh, FL

Parcel Number(s): 03221-001-00 & 03221-000-00

Section 33 Township 12 Range 21 Land Use Vacant Zoning Classification B-4

Commercial ☒ Residential ☐ Industrial ☐ Institutional ☐ Mixed Use ☐ Other ☐

Type of Plan: MAJOR SITE PLAN *Site/Land Development (Civil Only)*

Property Acreage 1.86 ac Number of Lots N/A Miles of Roads N/A

Location of Property with Crossroads W. Hwy 318 & N. US HWY 441

Additional information regarding this submittal: None
None

B. CONTACT INFORMATION *(Check the appropriate box indicating the point for contact for this project. Add all emails to receive correspondence during this plan review.)*



Engineer:

Firm Name: Contineo Group Contact Name: Michael Costa, Project Coordinator

Mailing Address: 755 Commerce Drive, Suite 800 City: Decatur State: GA Zip Code: 30030

Phone # 561.315.2135 Alternate Phone # N/A

Email(s) for contact via ePlans: michaelc@thecontineogroup.com



Surveyor:

Firm Name: Southeastern Surveying and Mapping Corporation Contact Name: Contact: Michael Costa (Above)

Mailing Address: 1130 Hwy 90 City: Chipley State: FL Zip Code: 32428

Phone # - Alternate Phone # -

Email(s) for contact via ePlans: -

Property Owner:

Owner: Seyler Family Investments, LLC Contact Name: Contact: Michael Costa (Above)

Mailing Address: 3915 SE 31st Street City: Ocala State: FL Zip Code: 34471

Phone # - Alternate Phone # -

Email address: -

Developer:

Developer: Pannenbier, LLC Contact Name: Contact: Michael Costa (Above)

Mailing Address: 1355 Terrell Mill Rd, Bldg 1470, Ste 1 City: Marietta State: GA Zip Code: 30067

Phone # - Alternate Phone # -

Email address: -

Revised 6/2021

OWNER'S CERTIFICATION:

"I HEREBY CERTIFY THAT I, MY SUCCESSORS, AND ASSIGNS SHALL PERPETUALLY OPERATE AND MAINTAIN THE IMPROVEMENTS IN ACCORDANCE WITH THE SPECIFICATIONS SHOWN HEREIN AND ON THE APPROVED PLAN".

------(SIGNATURE)

THIS PROPOSED PROJECT HAS NOT BEEN GRANTED CONCURRENCY APPROVAL AND/OR GRANTED AND/OR RESERVED ANY PUBLIC FACILITY CAPACITIES. FUTURE RIGHTS TO DEVELOP THE PROPERTY ARE SUBJECT TO A DEFERRED CONCURRENCY DETERMINATION, AND FINAL APPROVAL TO DEVELOP THE PROPERTY HAS NOT BEEN OBTAINED. THE COMPLETION OF CONCURRENCY REVIEW AND/OR APPROVAL HAS BEEN DEFERRED TO LATER DEVELOPMENT REVIEW STAGES, SUCH AS, BUT NOT LIMITED TO, BUILDING PERMIT REVIEW.

FAMILY DOLLAR
MCINTOSH, FLORIDA
5440 WEST HIGHWAY 318,
REDDICK, FL 32686
PARCEL NUMBER: 03221-001-00

COUNTY NOTES:

NO CHANGE TO THE WORK AS SHOWN ON THE APPROVED PLANS SHALL BE MADE WITHOUT NOTIFICATION TO AND APPROVAL BY THE OFFICE OF THE COUNTY ENGINEER

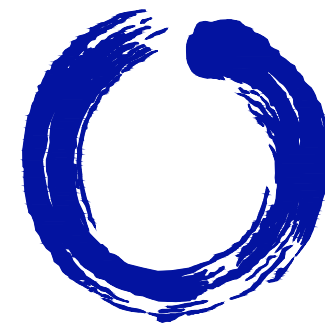
LICENSED DESIGN PROFESSIONAL CERTIFICATION:

"I HEREBY CERTIFY THAT THESE PLANS AND CALCULATIONS WERE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS OF THE MARION COUNTY LAND DEVELOPMENT CODE, EXCEPT AS WAIVED".

------(SIGNATURE)



CONTINEO GROUP
755 COMMERCE DRIVE
SUITE 800
DECATUR, GA 30030
770.335.7403
www.fcq.engineer



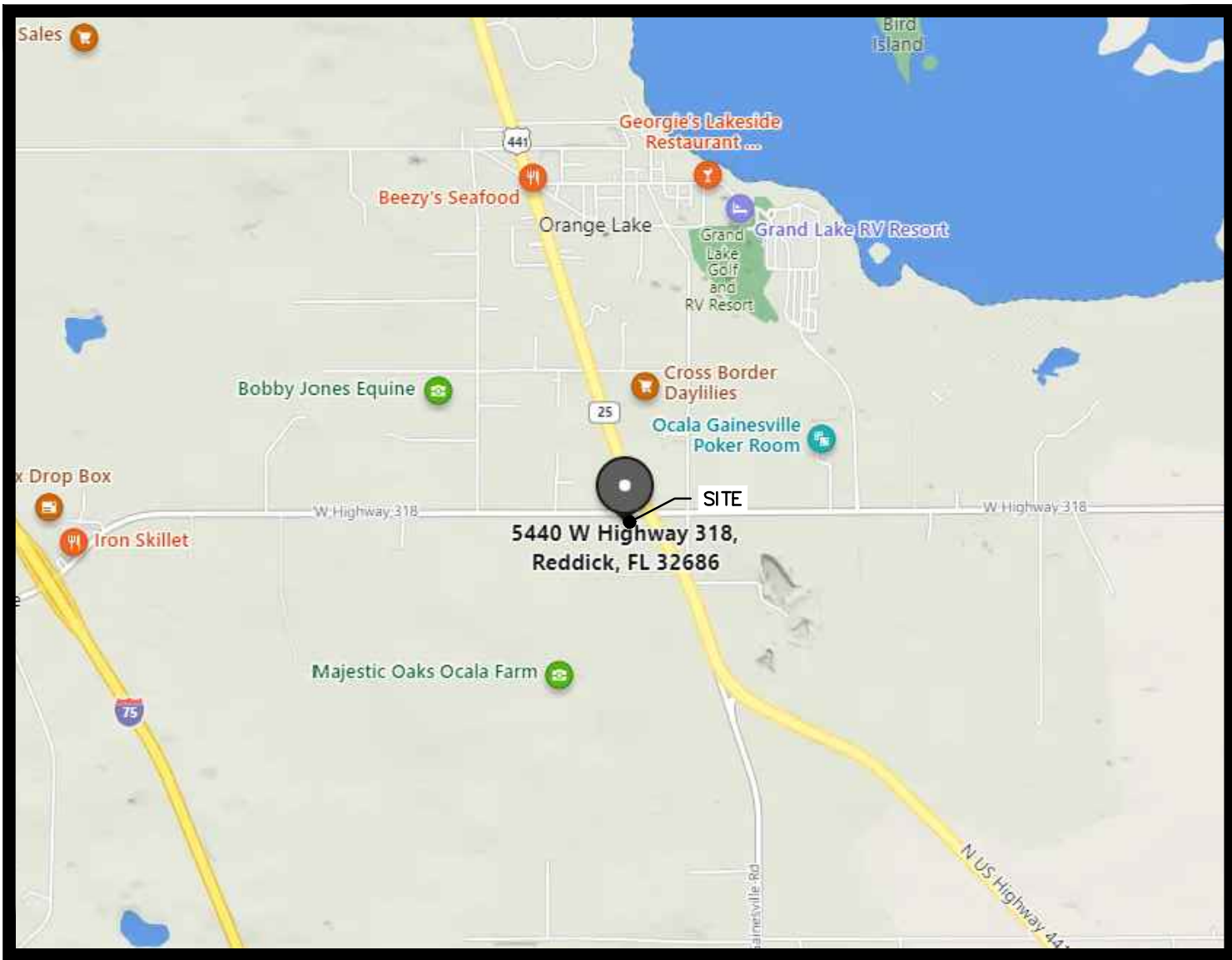
PANNENBIER
PANNENBIER, LLC
1355 TERRELL MILL ROAD, BLDG
1470, STE 100, MARIETTA, GA 30067
PHONE: (770) 850-9393

FAMILY DOLLAR
ISSUED FOR: PERMIT PLAN
JURISDICTION: MARION COUNTY
APPLICATION TYPE: MAJOR SITE PLAN
LOCATION: 5440 W HWY 318
REDDICK, FL 32686

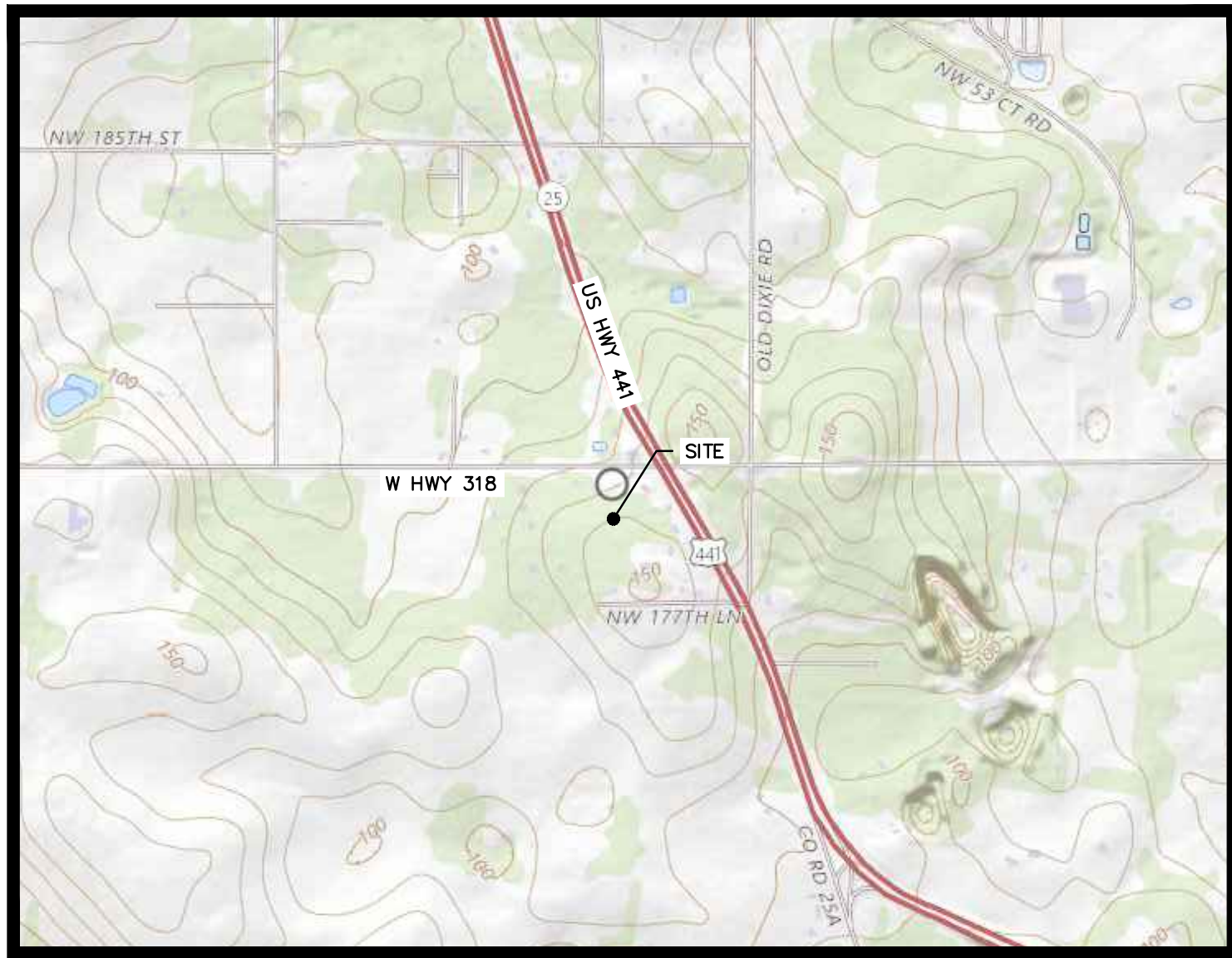
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DRAWN:	CHECK:
AAA	JDR
JOB NO:	DATE:
22-188	09/23/22

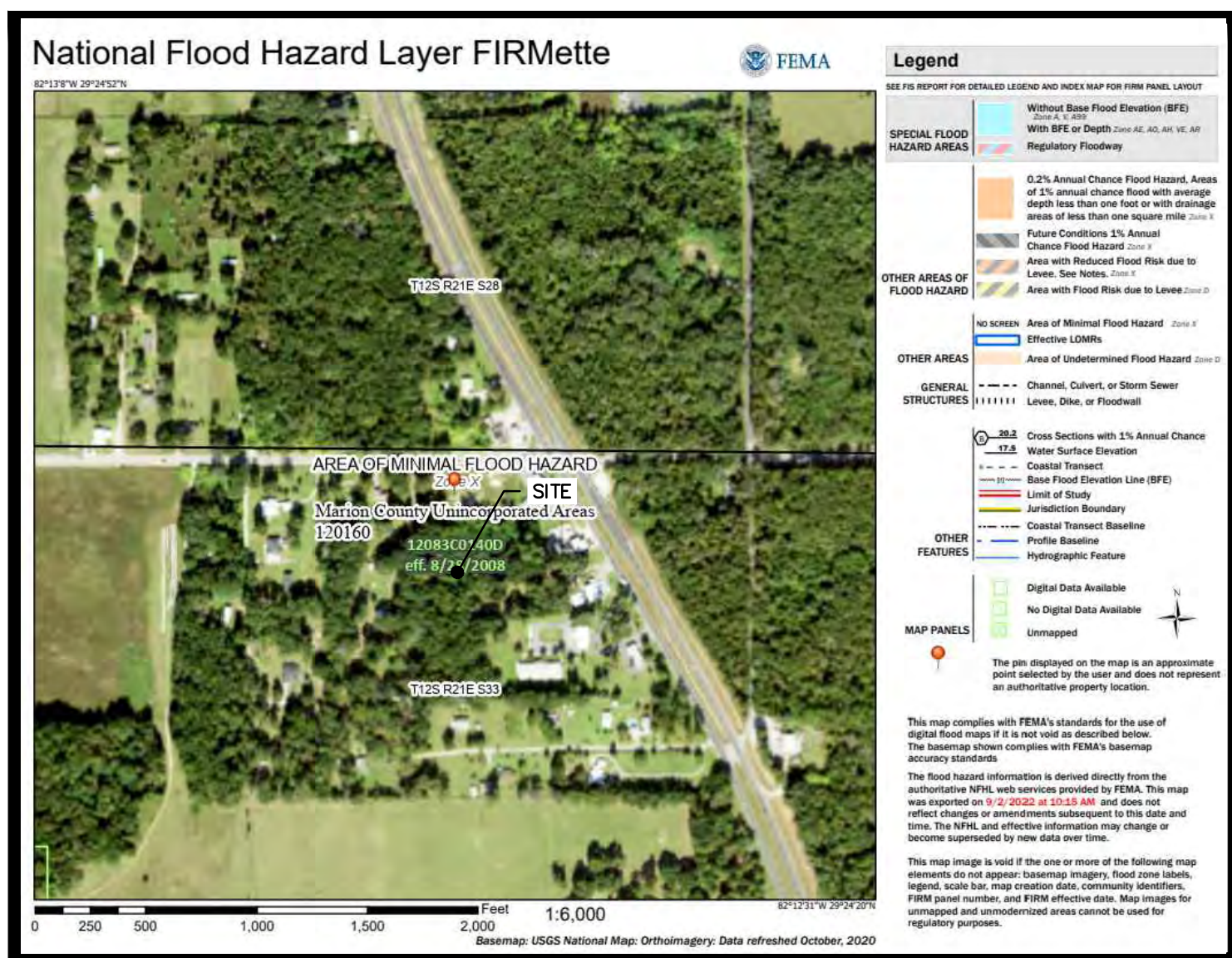
COVER
SHEET C100



VICINITY MAP
N.T.S.



USGS QUAD MAP
N.T.S.



FEMA MAP
N.T.S.

THE PROPOSED PROPERTY IS LOCATED WITHIN AN AREA HAVING A ZONE DESIGNATION X BY THE SECRETARY OF HOUSING AND URBAN DEVELOPMENT, ON FLOOD INSURANCE RATE MAP NO. 12083C140D, WITH A DATE OF IDENTIFICATION OF AUGUST 28, 2008, IN MARION COUNTY UNINCORPORATED AREAS, STATE OF FLORIDA, WHICH IS THE CURRENT FLOOD INSURANCE RATE MAP FOR THE COMMUNITY IN WHICH SAID PROPERTY IS SITUATED.

SHEET INDEX

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| C100 | COVER SHEET |
| C101 | VARIANCE WAIVERS SHEET |
| C200 | SITE PLAN |
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| P-1 | PHOTOMETRIC PLAN (BY OTHERS) |
| S-1 | SURVEY (BY OTHERS) |

GENERAL NOTES:

CONTRACTOR'S RESPONSIBILITY TO INCLUDE, BUT NOT LIMITED TO:

- CAUSE THE WORK TO BE COMPLETED PER FEDERAL, STATE AND LOCAL CODES DURING ALL PHASES OF THE PROJECT.
- VERIFY THE EXISTING CONDITIONS ON WHICH THE PROJECT DESIGNS (ALL PHASES) ARE BASED AND BECOME FAMILIAR WITH ALL NECESSARY INFORMATION, WHETHER ON THE SUBJECT TRACT OR ADJACENT PROPERTIES. IF UNKNOWN CONDITIONS ARE DISCOVERED WHICH JEOPARDIZES THE SCOPE AND DELIVERY OF THE PROJECT, THE CONTRACTOR IS TO PROVIDE IMMEDIATE WRITTEN NOTIFICATION TO THE ENGINEER.
- COORDINATE WITH UTILITY PROVIDERS TO CONFIRM THE LOCATION OF EXISTING AND PROPOSED SERVICES WILL BE ADEQUATE FOR THE DEVELOPMENT. THE ENGINEER DOES NOT ACCEPT RESPONSIBILITY FOR THE ACCURACY OF THE EXISTING UTILITY LOCATIONS AND PROPOSED LOCATIONS ARE APPROXIMATE IN NATURE.
- CONSTRUCTION LIMITS SHALL BE PROPERLY MARKED AND BARRIERS CREATED AS NECESSARY TO PROTECT CONSTRUCTION PERSONNEL AS WELL AS THE PUBLIC, OSHA AND ALL OTHER GOVERNING STANDARDS.
- PROVISION OF ALL NECESSARY WORK IN ORDER TO CAUSE THE PROJECT TO BE COMPLETED WHETHER OR NOT THE WORK IS SPECIFICALLY DESCRIBED WITHIN THE PROJECT DESIGNS OR REQUIRED BY REGULATION IN THE COURSE OF WORK.
- EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES DURING ALL PHASES OF THE PROJECT.

DATA BLOCK

SITE AREA (AC)	1.86 AC
SITE AREA (SF)	81,021 SF
EXISTING PERVIOUS AREA (SF)	81,021 SF
EXISTING PERVIOUS AREA (%)	100%
EXISTING IMPERVIOUS AREA (SF)	0
EXISTING IMPERVIOUS AREA (AC)	0
EXISTING IMPERVIOUS AREA (%)	0
PROPOSED IMPERVIOUS AREA (SF)	29,816 SF
PROPOSED IMPERVIOUS AREA (AC)	0.68 ACRES
PROPOSED IMPERVIOUS AREA (%)	36.5%
PROPOSED PERVIOUS AREA (SF)	51,205 SF
PROPOSED PERVIOUS AREA (AC)	1.17 AC
PROPOSED PERVIOUS AREA (%)	63.5 %
PROPOSED IMPERVIOUS AREA (SF)	29,816 SF
PROPOSED IMPERVIOUS AREA (AC)	0.68 ACRES
PROPOSED IMPERVIOUS AREA (%)	36.5%

24-HOUR EMERGENCY CONTACT:

CONTACT: HENRY JOHNSON
CELL: 803-871-0002
EMAIL: HENRY.JOHNSON@PANNENBIER.COM

PROPERTY AREA DATA

TOTAL AREA OF PROPERTY: 1.86 AC
TOTAL AREA OF DISTURBANCE: 1.96 AC

GPS LOCATION (DECIMAL DEGREES)

LATITUDE: 29.4102
LONGITUDE: -82.213767

PROPERTY OWNER

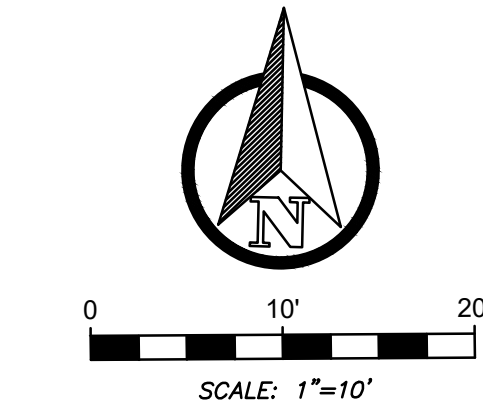
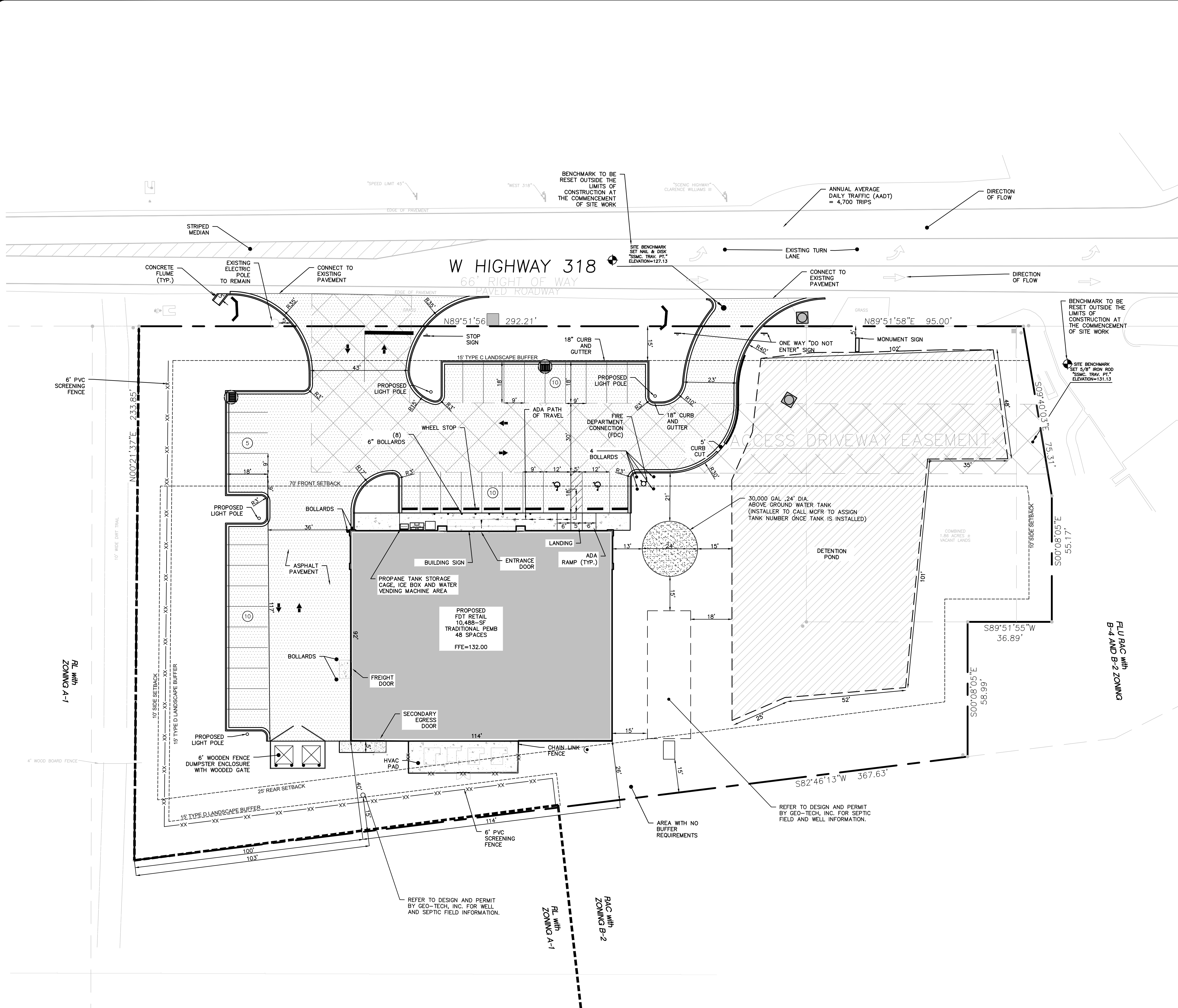
BP 5440 MICANOPY, LLC
1355 TERRELL MILL ROAD, BLDG 1470
SUITE 100, MARIETTA, GA 30067
CONTACT: HENRY JOHNSON
EMAIL: HENRY.JOHNSON@PANNENBIER.COM
PHONE NUMBER: (803)-871-0002

PRIMARY PERMITTEE/
OWNER'S REPRESENTATIVE

PANNENBIER, LLC
1355 TERRELL MILL ROAD,
BLDG 1470, STE 100,
MARIETTA, GEORGIA 30067
CONTACT: HENRY JOHNSON
HENRY.JOHNSON@PANNENBIER.COM
(806)-871-0002

PROJECT CIVIL ENGINEER

CONTINEO GROUP, LLC
755 COMMERCE DRIVE, SUITE 800
DECATUR, GA 30030
BRYAN H. RUSSELL, P.E.
AUGUSTINE APPIAH
CONTACT:
404-781-8765
AUGUSTINEA@THECONTINEOGROUP.COM



SITE LEGEND

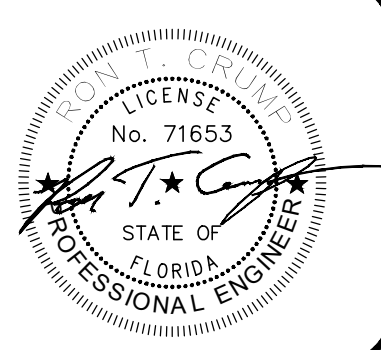
	PROPERTY LINE
	SETBACK LINE
	EASEMENT LINE
	TRAFFIC FLOW ARROW (PAVEMENT MARKING)
	HANDICAP STALL
	DUMPSTER PAD LOCATION
	PARKING SPACE COUNT
	STANDARD DUTY ASPHALT

SITE SUMMARY

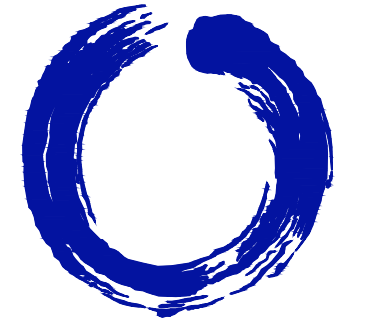
PROPERTY OWNER	PANNENBIER
PARCEL NUMBER	03221-001-00
EXISTING ZONING	B-4/ COM & RAC
PROPOSED ZONING	B-4/ COM & RAC
PROPOSED USE	RETAIL
TOTAL SITE AREA	± 1.86 AC
FUTURE LAND USE DESIGNATION	RURAL ACTIVITY CENTER AND COMMERCIAL
OVERLAY ZONE	SECONDARY SPZ (SPRINGS PROTECTIONZONE)
TOTAL BUILDING AREA	10,488 SF
MIN. LANDSCAPE OPEN SPACE	NONE
MIN. LOT AREA	NONE
MIN. LOT WIDTH	NONE
MAX. FAR	0.7
SITE FAR	0.1
MAX. BUILDING HEIGHT	50'
BUILDING HEIGHT	28'
FRONT BUILDING SETBACK	70'
SIDE BUILDING SETBACK	10'
REAR BUILDING SETBACK	25'
TRANSITIONAL BUFFER	N/A
LANDSCAPE STRIP	MIN 5' LANDSCAPE AREA AROUND PARKING AREA PERIMETER
PARKING SIZE	9' X 18'
REQUIRED PARKING	35
PROPOSED PARKING	35
PARKING REQUIRED BASED ON: 1 SPACE/300 SF OF A 1 HANDICAP SPACE/25 SPACES	

FAMILY DOLLAR NOTE:
EXCESSIVE PROPERTY PAST 10' OF ANY NECESSARY
SITE FEATURES WILL NOT BE MAINTAINED BY FAMILY
DOLLAR.

IRRIGATION SYSTEM IS REQUESTED
BY COUNTY CODE



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PHONE: (770) 850-9393

FAMILY DOLLAR
ISSUED FOR: PERMIT PLAN
JURISDICTION: MARION COUNTY
APPLICATION TYPE: MAJOR SITE PLAN
LOCATION: 5440 W HWY 318
REDDICK, FL 32686

#	DATE	REVISIONS
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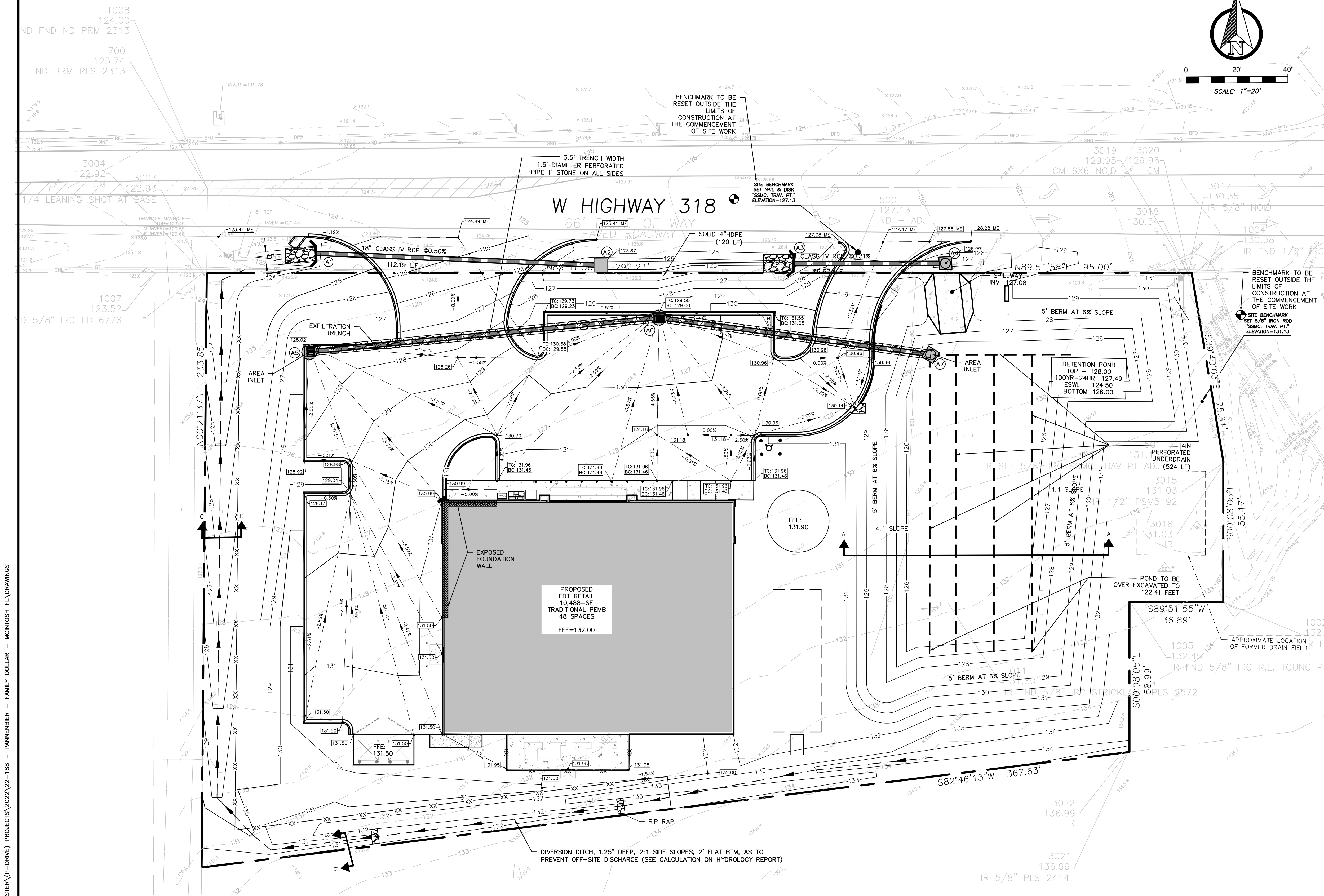
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DRAWN: AAA
CHECK: JDR
JOB NO: 22-188
DATE: 09/23/22

SITE PLAN

SHEET C200

D:\CONTINUED-MASTER DROPBOX\BRYAN RUSSELL (DROPBOX)\CONTINUED-MASTER (P-DRIVE) PROJECTS\2022\22-188 - PANNENBIEB - FAMILY DOLLAR - MCINTOSH FL\DRAWINGS



LEGEND

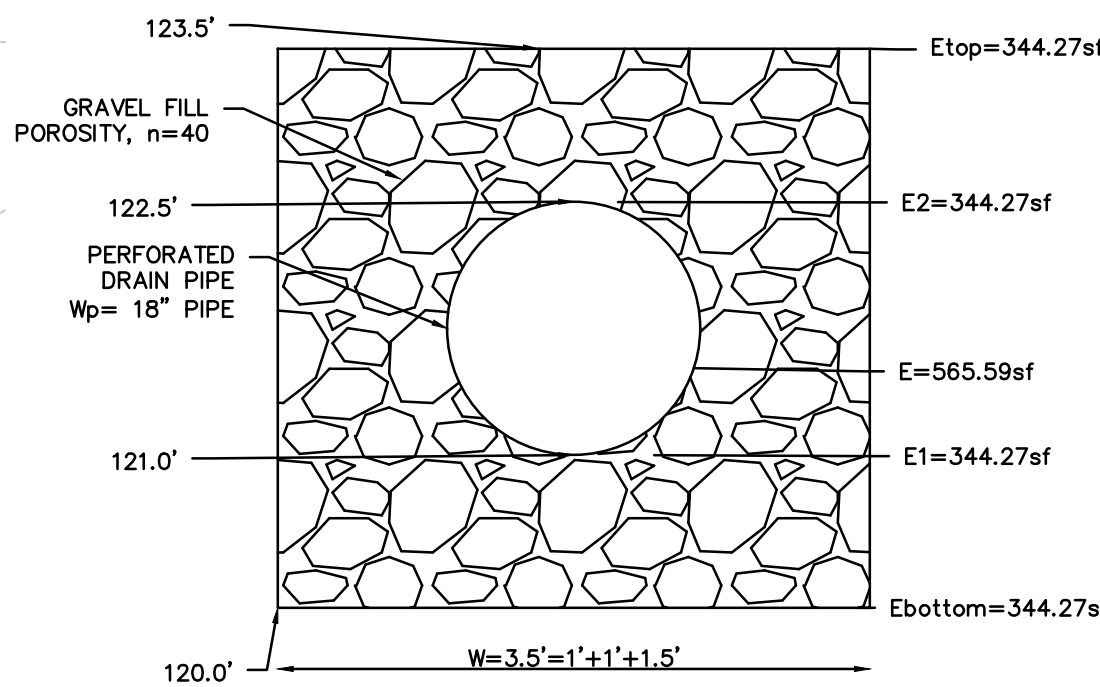
- PROPERTY LINE
- SETBACK LINE
- EASEMENT LINE
- CONCRETE SIDEWALK
- EXISTING CONTOUR
- PROPOSED CONTOUR

GRADING NOTES:

- PRIOR TO WORK COMMENCEMENT, CONTRACTOR IS TO CONTACT LOCAL "CALL DIG" SERVICES FOR LOCATION OF ALL UNDERGROUND UTILITIES. CONTRACTOR SHALL COORDINATE WITH ALL UTILITIES PRIOR TO COMMENCEMENT OF WORK, WHICH INCLUDES, BUT NOT LIMITED TO, RELOCATION OF UTILITIES ALONG ROADWAYS AND OFFSITE IMPROVEMENTS IN ORDER TO DELIVER THE PROJECT.
- CONTRACTOR IS TO REMOVE ALL MATERIALS DEEMED UNSUITABLE BY THE OWNER AND/OR ENGINEER.
- POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS SHALL BE MAINTAINED AT ALL TIMES.
- CONTRACTOR SHALL VALIDATE AND ACCEPT TOPOGRAPHIC INFORMATION PROVIDED PRIOR TO COMMENCEMENT OF WORK. ANY DEVIATIONS SHALL BE SUBMITTED TO THE ENGINEER AND OWNER.
- CONTRACTOR TO PROVIDE CLEAN PAVEMENT AND CURB EDGES, VIA SAW CUTTING OR OTHER METHODS, IF WORK IS WITHIN EXISTING PAVEMENT AREAS.
- REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ALL STRUCTURAL FOUNDATIONS, SLABS AND EARTHEN BUILDING PADS.
- EXISTING AND REMAINING FACILITIES, WHETHER ON THE PROPERTY OR ON ADJACENT PROPERTIES, SHALL BE MAINTAINED IN THEIR ORIGINAL CONDITIONS. IF DISTURBED, THESE STRUCTURES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION.
- ALL DISTURBED AREAS WITHOUT PERMANENT HARD SURFACES SHALL BE TREATED WITH PERMANENT STABILIZATION PER THE APPROPRIATE STATE OR LOCAL EROSION CONTROL AND DEVELOPMENT STANDARDS.
- SEE GEOTECH REPORT PROVIDED BY UNIVERSAL ENGINEERING FOR ALL FILL PLACEMENT SPECIFICATIONS.
- ALL STORM WATER SYSTEMS ARE TO BE DELIVERED TO THE OWNER CLEAN AND FREE OF DEBRIS.
- PRIOR TO COMMENCEMENT OF CONSTRUCTION THE CONTRACTOR IS TO NOTIFY THE ENGINEER OF ANY POTENTIAL CONFLICTS BETWEEN EXISTING AND PROPOSED GRAVITY UTILITIES.
- ANY RETAINING WALLS DEPICTED WITHIN THESE PLANS ARE TO BE DESIGNED UNDER THE DIRECTION OF THE CONTRACTOR AND ARE SHOWN FOR COORDINATION PURPOSES ONLY. THE CIVIL ENGINEER ACCEPTS NO RESPONSIBILITY FOR THESE WALL.
- ALL PIPES SYSTEMS ARE MEASURED BETWEEN THE CENTERS OF MANHOLES.
- ANY BLASTING REQUIRED TO REMOVE ROCK IS NOT INCLUDED WITH THIS LAND DEVELOPMENT PERMIT. CONTRACTOR SHALL APPLY FOR A SEPARATE BLASTING PERMIT WITH THIS CITY OF PARKER IF IT IS REQUIRED.

EXFILTRATION DETAIL:

SCALE: N.T.S.



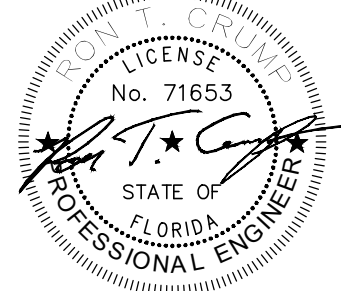
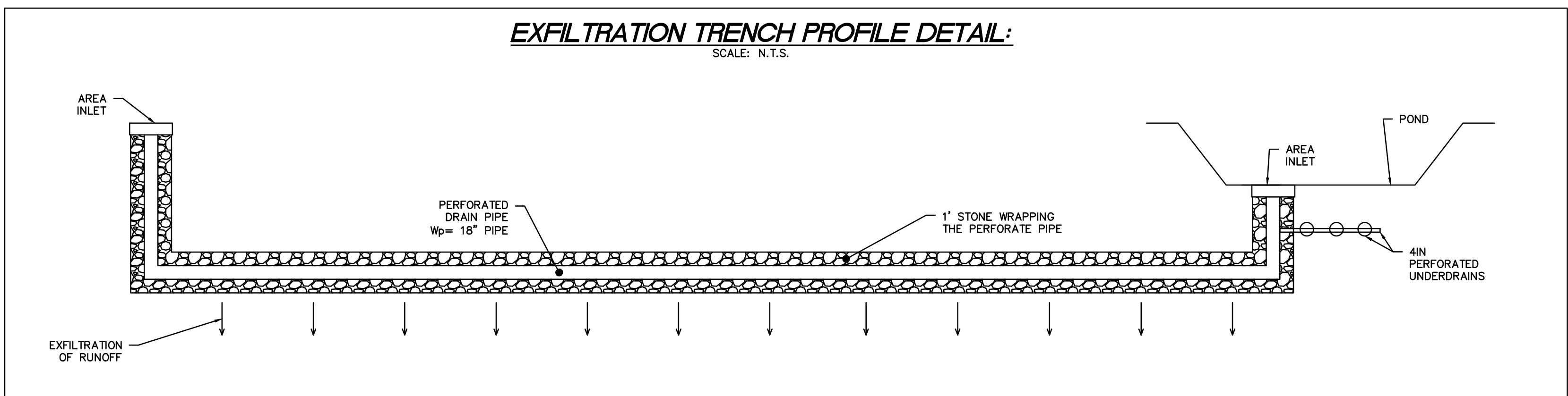
In order to accurately describe the storage capacity of an exfiltration trench, the stage vs. area should be modified to account for the porosity of the gravel fill.

Elevation, E	Effective Area
$E_{bottom} \leq E \leq E_1$	$L \times W \times n$
$E_1 < E \leq E_2$	$L \times [(W - W_p) \times n + W_p]$
$E_2 < E \leq E_{top}$	$L \times W \times n$

- Ebottom= 245.91x3.5x.40= 344.27sf
- E1= 344.27sf
- E= 245.91x[(3.5-1.5)x.4+1.5]=565.59sf
- E2= 344.27sf
- Etop= 344.27sf

EXFILTRATION TRENCH PROFILE DETAIL:

SCALE: N.T.S.



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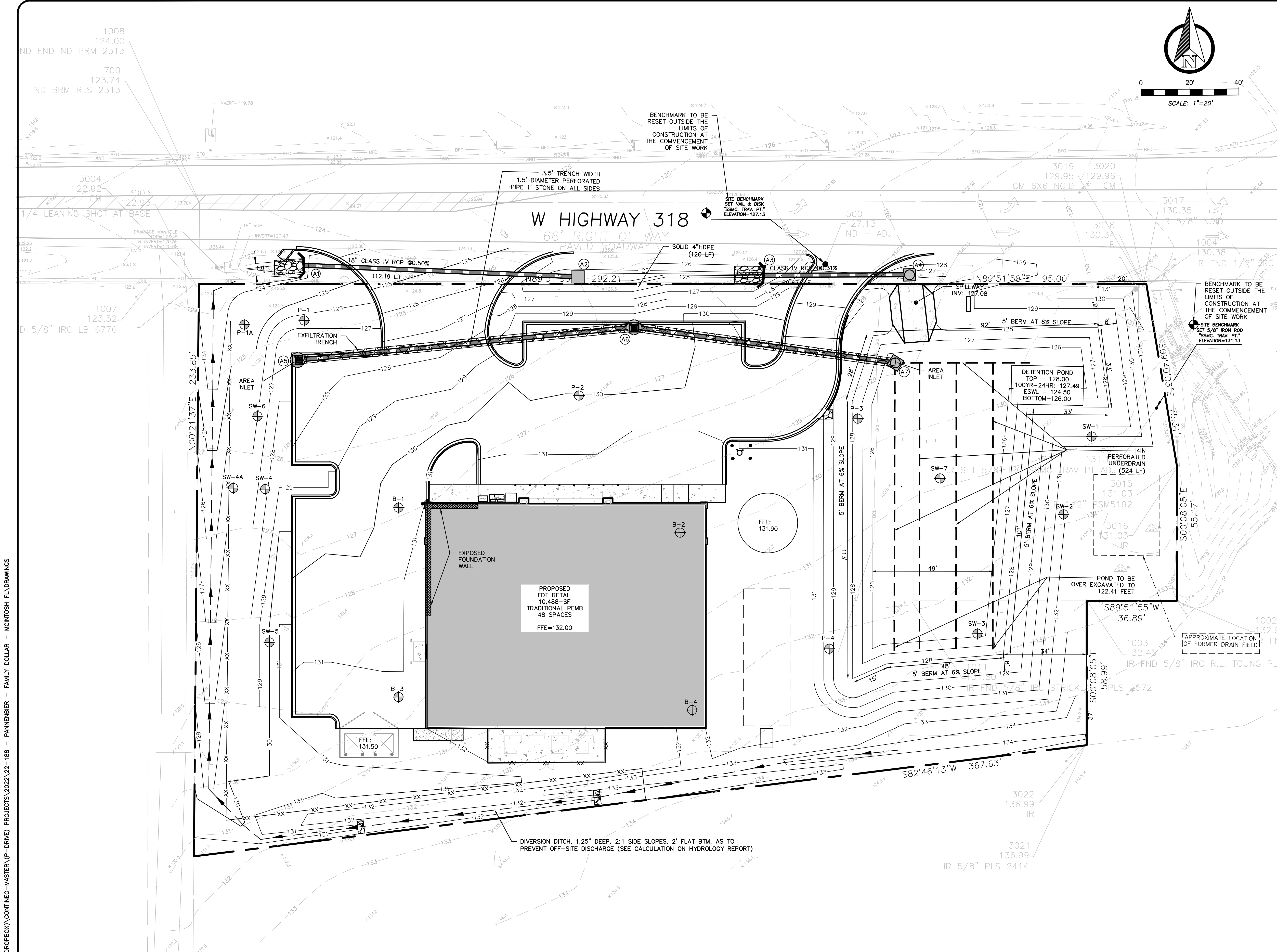
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GRADING
PLAN AND
PROFILES

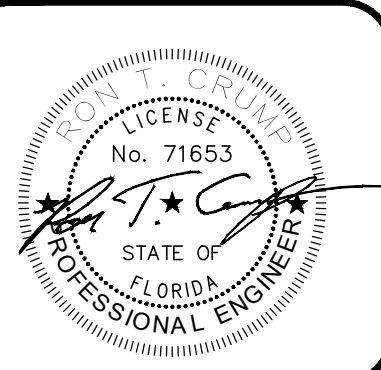
SHEET C300

D:\CONTINIO-MASTER DROPBOX\BRYAN RUSSELL (DROPBOX)\CONTINIO-MASTER (P-DRIVE) PROJECTS\2022\22-188 - PANNENBIER - FAMILY DOLLAR - MCINTOSH FL\DRAWINGS



LEGEND

- PROPERTY LINE
- SETBACK LINE
- EASEMENT LINE
- CONCRETE SIDEWALK
- EXISTING CONTOUR
- PROPOSED CONTOUR
- BORING LOCATION



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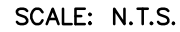
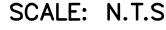
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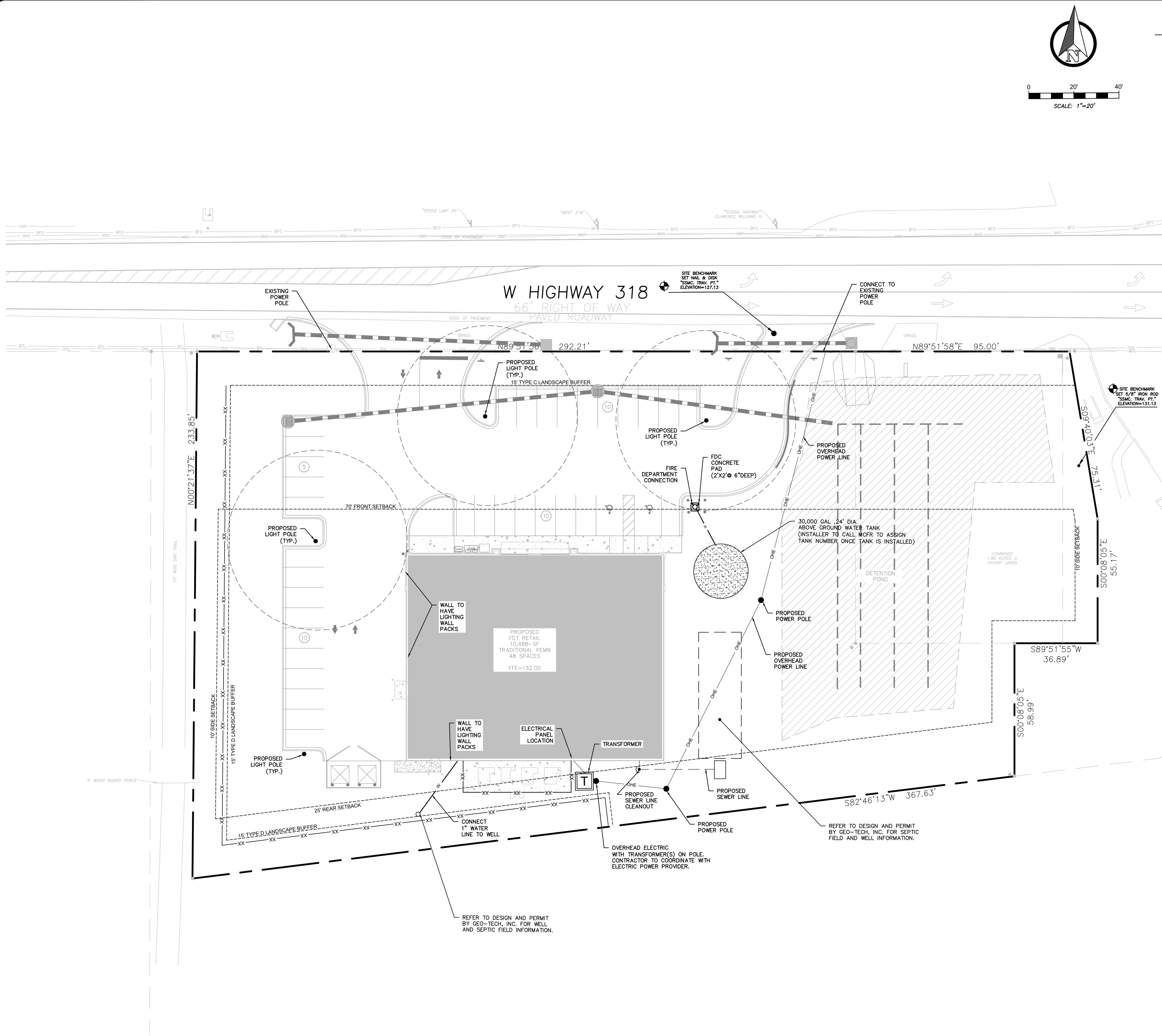
DRAINAGE
PLAN

SHEET C301

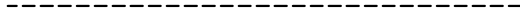


A MINIMUM OF THREE FEET OF UNCONSOLIDATED SOIL MATERIAL SHALL BE PROVIDED BETWEEN THE SURFACE OF ANY LIMESTONE BEDROCK AND THE BOTTOM AND SIDES OF ANY STORMWATER FACILITY





LEGEND

- | | |
|---|---------------------------|
|  | PROPERTY LINE |
|  | SETBACK LINE |
|  | EASEMENT LINE |
|  | UNDERGROUND GAS SERVICE |
|  | UNDERGROUND WATER SERVICE |
|  | UNDERGROUND SEWER SERVICE |
|  | OVERHEAD POWER SERVICE |
|  | FIRE HYDRANT |
|  | WATER METER |
|  | BACKFLOW PREVENTION |
|  | TRANSFORMER |

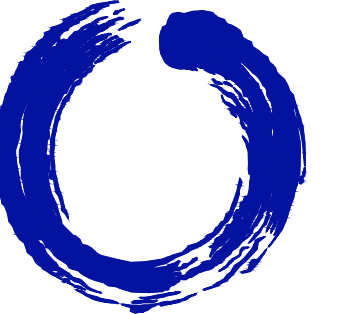
UTILITY NOTES:

1. PRIOR TO WORK COMMENCEMENT, CONTRACTOR IS TO CONTACT LOCAL "811" SERVICES FOR LOCATION OF ALL UNDERGROUND UTILITIES. CONTRACTOR SHALL COORDINATE WITH ALL UTILITIES PRIOR TO COMMENCEMENT OF WORK WHICH INCLUDES, BUT NOT LIMITED TO, RELOCATION OF UTILITIES ALONG ROADWAYS AND OFFSITE IMPROVEMENTS IN ORDER TO DELIVER THE PROJECT.
2. ALL UTILITY WORK SHALL BE IN ACCORDANCE WITH GOVERNING LOCAL STANDARDS, LATEST EDITION.
3. CONTRACTOR SHALL UTILIZE CLASS S1 DUCTILE IRON PIPE FOR GRAVITY SEWER MAINS. SANITARY SEWER SHALL BE PVC OR DIP.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING ANY FINAL AS-BUILTS AND EASEMENT PLATS.
5. CONTRACTOR TO DELIVER ALL WATER AND SEWER SYSTEMS WITH A MINIMUM OF 10' HORIZONTAL AND 2' VERTICAL SEPARATIONS.
6. BUILDING CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL ELECTRICAL SERVICES TO THE BUILDING, WHICH INCLUDE, BUT NOT LIMITED TO, TRANSFORMERS, TRANSFORMER PADS, METERS, ETC.---
7. CONTRACTOR SHALL COMPARE ALL CIVIL AND BUILDING PLAN SETS PRIOR TO CONSTRUCTION. THE ENGINEER AND ARCHITECT SHALL BE NOTIFIED OF ANY UTILITY DISCREPANCIES.

MARION COUNTY UTILITIES NOTE

PUBLIC UTILITY CONNECTION WILL BE REQUIRED
WITHIN 365 DAYS NOTICE OF PUBLIC UTILITIES
BECOMING AVAILABLE.

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FAMILY DOLLAR®

ISSUED FOR:	PERMIT PLAN
JURISDICTION:	MARION COUNTY
APPLICATION TYPE:	MAJOR SITE PLAN
LOCATION:	5440 W HWY 318 REDDICK, FL 32686

#	DATE	REVISIONS
1	01/03/2023	ADDRESS COUNTY COMMENTS
2	02/15/2023	ADDRESS COUNTY COMMENTS
3	03/08/2023	ADDRESS COUNTY COMMENTS
4	04/11/2023	ADDRESS COUNTY COMMENTS

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DRAWN:	CHECK:
AAA	JDR

JOB NO:	DATE:
22-188	09/23/22

UTILITY PLAN

SHEET C400

PETROLEUM SPILL/LEAK REMEDIATION

1. LOCAL, STATE, AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS.
2. THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1320 GALLONS OF PETROLEUM IS STORED ON-SITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 660 GALLONS. IN SUCH EVENT, THE CONTRACTOR WILL REQUIRE A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN.
3. ANY HAZARDOUS OR POTENTIALLY HAZARDOUS MATERIAL THAT IS BROUGHT ONTO THE CONSTRUCTION SITE WILL BE HANDLED PROPERLY IN ORDER TO REDUCE THE POTENTIAL FOR STORM WATER POLLUTION. ALL MATERIALS USED ON THIS SITE WILL BE PROPERLY STORED, HANDLED, DISPENSED AND DISPOSED OF FOLLOWING ALL APPLICABLE LABEL DIRECTIONS. MATERIAL SAFETY DATA SHEETS (MSDS) INFORMATION WILL BE KEPT ON SITE FOR ANY AND ALL APPLICABLE MATERIALS.
4. IN THE EVENT OF AN ACCIDENTAL SPILL, IMMEDIATE ACTION WILL BE UNDERTAKEN BY THE GENERAL CONTRACTOR TO CONTAIN AND REMOVE THE SPILLED MATERIAL. ALL HAZARDOUS MATERIALS WILL BE DISPOSED OF BY THE CONTRACTOR IN THE MANNER SPECIFIED BY FEDERAL, STATE AND LOCAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS. AS SOON AS POSSIBLE, THE SPILL WILL BE REPORTED TO THE APPROPRIATE AGENCIES, AS REQUIRED UNDER THE PROVISIONS OF THE CLEAN WATER ACT, ANY SPILL OR DISCHARGE ENTERING WATERS OF THE UNITED STATES WILL BE PROPERLY REPORTED. THE GENERAL CONTRACTOR WILL PREPARE A WRITTEN RECORD OF ANY SPILL OF PETROLEUM PRODUCTS OR HAZARDOUS MATERIALS IN EXCESS OF 1 GALLON OR REPORTABLE QUANTITIES, WHICH EVER IS LESS, AND WILL PROVIDE NOTICE TO OWNER WITHIN 24-HOURS OF THE OCCURRENCE OF THE SPILL.
5. ANY SPILLS OF HAZARDOUS MATERIALS IN QUANTITIES IN EXCESS OF REPORTABLE QUANTITIES AS DEFINED BY THE EPA OR THE STATE AGENCY REGULATIONS, SHALL BE IMMEDIATELY REPORTED TO THE EPA NATIONAL RESPONSE CENTER (1-800-424-8802) AND STATE OF FLORIDA DEPARTMENT OF NATURAL RESOURCES ENVIRONMENTAL PROTECTION STATE WATCH OFFICE AT (800)-320-0519 OR CONTACT THE CITY OF PARKER FIRE DEPARTMENT AT (850) 871-4313. THE REPORTABLE QUANTITY FOR PETROLEUM PRODUCTS AS DEFINED IN THE OFFICIAL CODE OF FLORIDA ANNOTATED 403.077(1) IS ANY DISCHARGE OF OIL INTO WATERS OF THE STATE WHICH WILL CAUSE A SIGNIFICANT FILM OR SHEET UPON OR DISCOLORATION OF THE SURFACE OF SUCH WATERS OR ADJOINING SHORELINES OR CAUSE A SLUDGE OR EMULSION TO BE DEPOSITED BENEATH THE SURFACE OF SUCH WATERS OR UPON ADJOINING SHORELINES. ADDITIONALLY, ANY LAND BASE PETROLEUM SPILL OR RELEASE IN EXCESS OF 25 GALLONS SHALL BE REPORTED IN ACCORDANCE WITH REQUIREMENTS OF THIS SECTION. ALL PETROLEUM SPILLS SHALL BE IMMEDIATELY REPORTED TO THE STATE OF FLORIDA DEPARTMENT OF NATURAL RESOURCES ENVIRONMENTAL PROTECTION STATE WATCH OFFICE AT (800)-320-0519 OR CONTACT THE CITY OF PARKER FIRE DEPARTMENT AT (850) 871-4313. THE REPORTABLE QUANTITY FOR HAZARDOUS MATERIALS OTHER THAN PETROLEUM PRODUCTS IS LISTED IN CFR TITLE 40 PART 117 (TABLE 117.3) AND CFR TITLE PART 302 (TABLE 302.4). DETAILED INFORMATION PERTAINING TO FEDERAL GOVERNMENT (CFR) REQUIREMENTS FOR HAZARDOUS MATERIALS REPORTABLE QUANTITIES AND HAZARDOUS MATERIALS DISCHARGE REPORTING REQUIREMENTS CAN BE FOUND ON THE INTERNET AT www.epa.gov/epaoswer/p9/cfr. DETAILED INFORMATION PERTAINING TO STATE GOVERNMENT REQUIREMENTS FOR HAZARDOUS MATERIALS REPORTABLE QUANTITIES AND HAZARDOUS MATERIALS DISCHARGE REPORTING REQUIREMENTS CAN BE FOUND ON THE INTERNET AT www.leagle.state.fl.us.
6. IN ORDER TO MINIMIZE THE POTENTIAL FOR A SPILL OF PETROLEUM PRODUCT OR HAZARDOUS MATERIALS TO COME IN CONTACT WITH STORM WATER, THE FOLLOWING STEPS WILL BE IMPLEMENTED:
- A. ALL MATERIALS WITH HAZARDOUS PROPERTIES (SUCH AS PESTICIDES, PETROLEUM PRODUCTS, FERTILIZERS, DETERGENTS, CONSTRUCTION CHEMICALS, ACIDS, PAINTS, PAINT SOLVENTS, ADDITIVES FOR SOIL STABILIZATION, CONCRETE, CURING COMPOUNDS AND ADDITIVES, ETC.) WILL BE STORED IN A SECURE LOCATION, UNDER COVER, WHEN NOT IN USE.
- B. THE MINIMUM PRACTICAL QUANTITY OF ALL SUCH MATERIALS WILL BE KEPT ON THE JOB SITE AND SCHEDULED FOR DELIVERY AS CLOSE TO TIME OF USE AS PRACTICAL.
- C. A SPILL CONTROL AND CONTAINMENT KIT (CONTAINING FOR EXAMPLE, ABSORBENT MATERIAL SUCH AS KITTY LITTER OR SAWDUST, ACID NEUTRALIZING AGENT, BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, PLASTIC AND METAL TRASH CONTAINERS, ETC.) WILL BE PROVIDED AT THE STORAGE SITE.
- D. ALL OF THE PRODUCT IN A CONTAINER WILL BE USED BEFORE THE CONTAINER IS DISPOSED OF. ALL SUCH CONTAINERS WILL BE TRIPLE RINSED, WITH WATER PRIOR TO DISPOSAL. THE RINSE WATER USED IN THESE CONTAINERS WILL BE DISPOSED OF IN A MANNER IN COMPLIANCE WITH STATE AND FEDERAL REGULATIONS AND WILL NOT BE ALLOWED TO MIX WITH STORM WATER DISCHARGES.
- E. ALL PRODUCTS WILL BE STORED IN AND USED FROM THE ORIGINAL CONTAINER WITH THE ORIGINAL PRODUCT LABEL.
- F. ALL PRODUCTS WILL BE USED IN STRICT COMPLIANCE WITH INSTRUCTIONS ON THE PRODUCT LABEL.
- G. THE DISPOSAL OF EXCESS OR USED PRODUCTS WILL BE IN COMPLIANCE WITH INSTRUCTIONS ON THE PRODUCTS' LABEL.

CONSTRUCTION SEQUENCE

PHASE 1

1. PICK-UP LAND DISTURBANCE PERMIT, FILE A N.O.I (NOTICE OF INTENT) WITH THE E.P.D. (ENVIRONMENTAL PROTECTION DEPARTMENT) AND PROVIDE THE APPROPRIATE PAPERWORK AND COPIES TO THE LOCAL JURISDICTION ISSUING AUTHORITY. CONTRACTOR IS RESPONSIBLE TO SUPPLY, AND PAY THE APPLICABLE FEES TO THE LOCAL ISSUING AUTHORITIES. A COPY OF THE SIGNED PAPERWORK, ALONG WITH A COPY OF THE PERMIT FROM THE JURISDICTION, MUST BE PROVIDED TO THE OWNER/DEVELOPER AND THE CIVIL ENGINEER, AS WELL AS KEPT ON SITE AT ALL TIMES.
2. IF FOUND TO BE NEEDED BY THE LOCAL JURISDICTION, CALL FOR THE ON SITE PRE CONSTRUCTION MEETING OR S.W.P.P. (STORM WATER POLLUTION PROTECTION PLAN) PRE CONSTRUCTION MEETING. ATTENDEES SHALL INCLUDE CONTRACTORS, SUBCONTRACTORS, ENGINEERS, E.P.D., CITY / COUNTY OFFICIALS AND OR ANY OTHER PERSONNEL WHOM MAY INSPECT OR REVIEW THE STORM WATER MANAGEMENT ON THIS PROJECT. GOALS AND EXPECTATIONS SHALL BE REVIEWED IN DETAIL.
3. ANY NON DISTURBANCE OR RESTRICTED AREA BUFFERS SHALL BE LOCATED AND FLAGGED TO ENSURE COMPLIANCE.
4. TREE SAVE FENCE SHALL BE INSTALLED IF NEEDED.
5. THE STABILIZED CONSTRUCTION EXIT / ENTRANCE SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY OCCURRING ON SITE, ANY REQUIRED TRAFFIC BARRIERS SHALL ALSO BE INSTALLED AT THIS TIME.
6. SILT FENCE AND/OR ORANGE SAFETY / CONSTRUCTION FENCE INSTALLATION SHALL BE COMPLETED. NOTE: THE CONTRACTOR IS ONLY ALLOWED TO CLEAR PORTIONS NECESSARY FOR B.M.P.'S (BEST MANAGEMENT PRACTICES) INSTALLATION. THE CONTRACTOR IS TO ENSURE THERE ARE NO ADVERSE IMPACTS TO ANY ON SITE STREAMS OR WETLANDS, IF APPLICABLE.
7. THE PREPARATION OF ANY TEMPORARY PARKING AND STORAGE AREA SHALL COMMENCE IF NEEDED, INCLUDING BUT NOT LIMITED TO SITE TRAILER, PARKING AREA, LAY DOWN, PORTABLE TOILETS, CONCRETE WALKER WASH OUT IF PERMITTED, MASONS AREA, FUEL AND MATERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, SOIL STOCKPILE AREA ETC. THESE ITEMS ARE TO BE DEDICATED ON THE EROSION CONTROL SITE MAPS BY THE CONTRACTOR IMMEDIATELY AND SHALL BE REVISED WITH ANY CHANGES IN LOCATIONS AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS.
8. THE TEMPORARY SEDIMENT STORAGE/WHEEL WASH AREA SHALL BE INSTALLED AS DELINEATED ON THE PLANS. CLEARING AND GRUBBING SHALL BE LIMITED TO ONLY WHAT IS REQUIRED FOR THE INSTALLATION PROCEDURES.
9. CONTACT THE JURISDICTIONAL AUTHORITY TO DETERMINE IF A PRE-CONSTRUCTION MEETING IS NEEDED. IF SO, THE GENERAL CONTRACTOR SHALL SCHEDULE AND CONDUCT THE STORM WATER PRE-CONSTRUCTION MEETING WITH THE ENGINEER AND ALL GROUND DISTURBING CONTRACTORS BEFORE PROCEEDING WITH CONSTRUCTION.
10. THE CONTRACTOR SHALL BEGIN CLEARING AND GRUBBING OF VEGETATION AS NEEDED. REMOVAL OF TOPSOIL FOR LATER USE MAY BE PERFORMED.
11. IMMEDIATELY UPON COMPLETING THE INSTALLATION OF ALL INITIAL PERIMETER EROSION CONTROL MEASURES AND THE CONSTRUCTION ACTIVITIES COMMENCE, THE GENERAL CONTRACTOR MUST CONTACT THE CIVIL ENGINEER CONSULTANT TO INSPECT THE INSTALLATION OF THE B.M.P.'S. IT IS LEGALLY REQUIRED PER THE GENERAL PERMIT THAT THE CIVIL ENGINEER PERFORM A SITE INSPECTION OF THE B.M.P. INSTALLATION WITHIN 7-DAYS AFTER CONSTRUCTION COMMENCEMENT. CIVIL ENGINEER WILL NOT BE LIABLE TO FOLLOW UP WITH CONTRACTOR, IT IS SOLELY CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH CIVIL ENGINEER FOR OBTAINING THE REQUIRED 7-DAY INSPECTION.

PHASE 2

12. GRADE SITE AS BEST NEEDED FOR INSTALLATION OF ALL UTILITIES, PAVING, BUILDING SLAB, AND RETAINING WALL(S) IF APPLICABLE.
13. AS EACH LIFT IN ELEVATION IS COMPLETED CARE SHALL BE TAKEN AS TO ENSURE THAT STABILIZATION AND EROSION PREVENTION HAS OCCURRED, ESPECIALLY AT THE END OF EACH WORK DAY.
14. AS THE SITE IS BROUGHT UP TO SUB GRADE, THE STORM DRAINAGE SYSTEM IS TO BE CONSTRUCTED. UTILIZE APPROPRIATE INLET PROTECTION DEVICES TO MINIMIZE SEDIMENT INTRUSION INTO THE STORM DRAINAGE SYSTEM.
15. THE GENERAL CONTRACTOR SHALL CONTACT THE CIVIL ENGINEERING CONSULTANT TO PERFORM SITE REVIEW AND SURVEY VERIFICATION, IF NEEDED, THE CONTRACTOR AND GEOTECHNICAL MATERIALS TESTING CONSULTANT ARE TO CERTIFY PLAN COMPLIANCE TO THE OWNER/DEVELOPER AT THE COMPLETION OF THE GRADING.
16. BUILDING PAD PREPARATION AND STABILIZATION SHALL OCCUR AS SOON AS POSSIBLE, THE CONTRACTOR SHALL NOTE THE DATE OF COMPLETION ON THE EROSION PLANS. CONTRACTOR MUST BE AWARE OF ANY GEOTECHNICAL REQUIREMENTS ASSOCIATED WITH FINAL COMPACTION OR FOUNDATION PREPARATION REQUIREMENTS.
- PHASE 3
17. PAVEMENT INSTALLATION SHALL OCCUR, APPROPRIATE INLET PROTECTION DEVICES AS WORK PROGRESSES SHALL BE INSTALLED.
18. FINAL FINE GRADING, PERMANENT SEEDING AND PLANTING SHALL BE COMPLETED.
19. THE CONTRACTOR SHALL REMOVE AND CLEAN ANY SEDIMENT FROM THE STORM WATER CONVEYANCE SYSTEM AS WELL AS THE DETENTION STRUCTURES, DRAINAGE SYSTEMS, AND/OR PONDS.
20. THE CONTRACTOR SHALL CONTACT THE JURISDICTIONAL INSPECTOR AND CIVIL ENGINEERING CONSULTANT FOR THE OWNER/DEVELOPER WHEN SITE IS FULLY STABILIZED FOR INSPECTION.
21. ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL DEVICES (BMP'S) SHALL BE REMOVED ONCE STABILIZATION, JURISDICTIONAL AND C.E.C. APPROVAL HAS BEEN ACHIEVED, ANY AREAS DISRUPTED BY THIS REMOVAL SHALL BE STABILIZED.
22. DAILY INSPECTION REPORTS SHALL CONTINUE UNTIL THE DEVELOPER HAS AGREED THAT THE SITE IS FULLY STABILIZED AND THE PERMIT MAY BE TERMINATED.
23. CONTACT NCPW FOR THE FINAL INSPECTION AND CLOSE OUT OF THE PROJECT. SUBMIT CLOSE OUT APPLICATION AND AS-BUILT OF DRAINAGE SYSTEM TO NCPW FOR REVIEW/APPROVAL.

POST CONSTRUCTION BMPs

1. MAINTAIN LANDSCAPE AREAS.
2. PROVIDE PETROLEUM SPILL CLEAN-UP KIT ON SITE AT ALL TIMES.
3. KEEP REFUSE COLLECTED WITHIN THE APPROPRIATE CONTAINERS.
4. MAINTAIN STORMWATER COLLECTION SYSTEMS ON PROPERTY ANNUALLY BY CLEANING OUT DEBRIS, SEDIMENT, AND GRIME.
5. MAINTAIN STORMWATER DRAINAGE SYSTEMS PER MANUFACTURER REQUIREMENTS.

WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

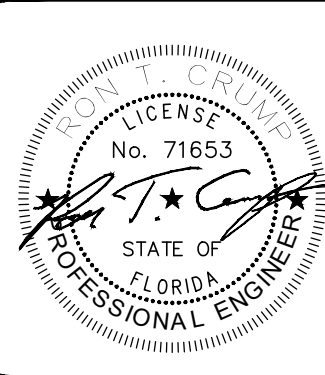
ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

ALL CONSTRUCTION MUST CONFORM TO LOCAL, STATE, AND FEDERAL STANDARDS AND SPECIFICATIONS, WHETHER OR NOT REVIEW COMMENTS WERE MADE.

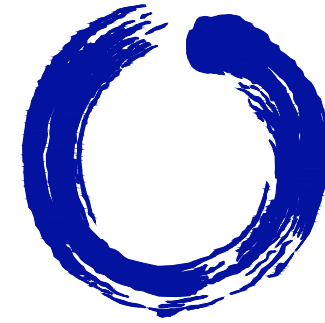
PROJECT NARRATIVE:
THIS EXISTING LOT IS UNDEVELOPED. THE PROPOSED PROJECT INCLUDES THE ADDITION OF ONE BUILDING AND TWO COVERED STORAGE AREA, ALONG WITH THE ASSOCIATED SIDEWALKS, UTILITIES, DRIVES, AND STORMWATER INFRASTRUCTURE.

STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

- A. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER WORK HAS CEASED, UNLESS ACTIVITY IN THAT PORTION OF THE SITE WILL RESUME WITHIN 21 DAYS.
- B. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED EVERY 7 DAYS OR EVERY 14 CALENDER DAYS AND WITHIN 14 HOURS OF THE END OF A STORM EVENT OF 1/2 INCH OR GREATER. DAMAGES OR INEFFECTIVE DEVICES SHALL BE REPAIRED OR REPLACED, AS NECESSARY.
- C. PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER UTILITY INSTALLATION.
- D. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
- E. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO THE PAVED ROADWAY CONSTRUCTION AREAS. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM THE PAVEMENT AS MAY BE REQUIRED.
- F. TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.



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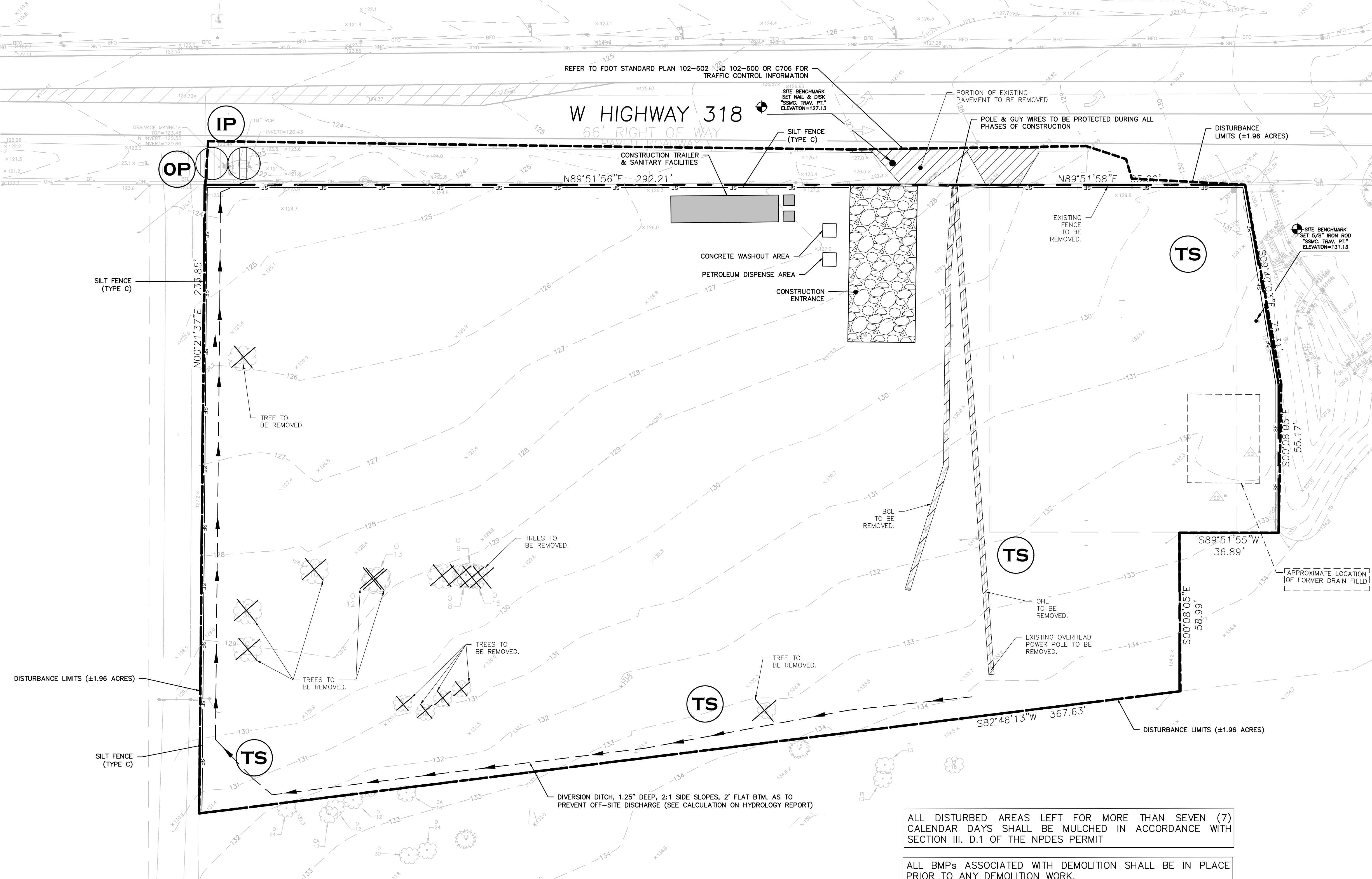
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CHECK: JDR

JOB NO: 22-188
DATE: 09/23/22

EROSION
CONTROL NOTES
SHEET C500

D:\CONTINEO-MASTER DROPBOX\BRYAN RUSSELL (DROPBOX)\CONTINEO-MASTER (P-DRIVE) PROJECTS\2022\22-188 - PANNENBIER - FAMILY DOLLAR - MCINTOSH FL DRAWINGS

ID	Date	Common	Botanical	Height	DBH	Health	Qty	Objective	Address	Location	Note	lat	lon	tagID
1	09/15/2022	Laurel Oak	Quercus laurifolia	46'-60"	40"	40% - Poor	1		5440 W Hwy 318		Tree has large amounts of vines growing up the trunk and throughout canopy. Visible cavities on trunk and branches.	29.40981	-82.2135	10586264
2	09/15/2022	Cabbage Palmetto	Sabal palmetto	16'-30'	21"	80% - Good	1		5440 W Hwy 318		Palm has large amounts of vines growing up the trunk and through its foliage.	29.40977	-82.2135	10586301
3	09/15/2022	Longleaf Pine	Pinus palustris	31'-45'	15"	60% - Fair	1		5440 W Hwy 318		Pine tree has large amounts of vines growing up the trunk into its canopy.	29.40978	-82.2134	10587736
4	09/15/2022	Longleaf Pine	Pinus palustris	31'-45'	16"	60% - Fair	1		5440 W Hwy 318		Pine has large amounts of vines growing up and through its canopy	29.40975	-82.2134	10587738
5	09/15/2022	Longleaf Pine	Pinus palustris	31'-45'	18"	60% - Fair	1		5440 W Hwy 318		Pine has large amounts of vines growing up the trunk and into the canopy.	29.40978	-82.2133	10587751
6	09/15/2022	Carolina Cherry	Prunus caroliniana	31'-45'	10"	40% - Poor	1		5440 W Hwy 318			29.40974	-82.2136	10587754
7	09/15/2022	Cabbage Palmetto	Sabal palmetto	16'-30'	15"	80% - Good	1		5440 W Hwy 318		Large amounts of vines growing up the trunk into canopy	29.40972	-82.2139	10587756
8	09/15/2022	Laurel Oak	Quercus laurifolia	46'-60"	30"	60% - Fair	1		5440 W Hwy 318			29.40969	-82.2139	10587757
9	09/15/2022	Laurel Oak	Quercus laurifolia	46'-60"	29"	60% - Fair	1		5440 W Hwy 318			29.4097	-82.2139	10587758
10	09/15/2022	Camphor Tree	Cinnamomum camphora	16'-30'	14"	40% - Poor	1		5440 W Hwy 318		Tree has large mounds of vines growing up the trunk throughout the canopy. Tree has large amounts of decay throughout canopy.	29.40973	-82.214	10587759
11	09/15/2022	Laurel Oak	Quercus laurifolia	31'-45'	15"	40% - Poor	1		5440 W Hwy 318		Tree has large amounts of vines growing up and throughout his canopy. He's canopy hard to see	29.40971	-82.2141	10587761
12	09/15/2022	Laurel Oak	Quercus laurifolia	31'-45'	15"	40% - Poor	1		5440 W Hwy 318		Tree has large amounts of vines growing up and throughout his canopy.	29.40974	-82.2141	10587762
13	09/15/2022	Southern Live Oak	Quercus virginiana	31'-45'	19"	60% - Fair	1		5440 W Hwy 318		Tree has large mountain vines growing up and throughout his canopy	29.40972	-82.2141	10587764
14	09/15/2022	Laurel Oak	Quercus laurifolia	31'-45'	26"	40% - Poor	1		5440 W Hwy 318		Tree has large cavity at the base. Tree also has large mountain vines growing up and throughout its canopy.	29.4097	-82.2141	10587767
15	09/15/2022	Laurel Oak	Quercus laurifolia	16'-30'	20"	0% - Dead	1		5456 W Hwy 318			29.40967	-82.2142	10587770
16	09/15/2022	Laurel Oak	Quercus laurifolia	16'-30'	25"	0% - Dead	1		5490 W Hwy 318			29.40986	-82.2142	10587772
17	09/16/2022	Black Cherry	Prunus serotina	16'-30'	6"	40% - Poor	1		5440 W Hwy 318		Tree has large amounts of vines growing up throughout the canopy	29.40984	-82.2139	10587773
18	09/15/2022	Southern Live Oak	Quercus virginiana	16'-30'	6"	40% - Poor	1		5440 W Hwy 318		Tree has large amounts of vines growing in and throughout its canopy	29.40983	-82.2139	10587775
19	09/15/2022	Southern Live Oak	Quercus virginiana	16'-30'	11"	60% - Fair	1		5440 W Hwy 318		Tree has large amounts of vines growing in and up and throughout its canopy	29.40982	-82.214	10587778
20	09/15/2022	Southern Live Oak	Quercus virginiana	16'-30'	16"	60% - Fair	1		5440 W Hwy 318		Tree has large amounts of vines growing in and up and throughout its canopy	29.40984	-82.214	10587783
21	09/15/2022	Camphor Tree	Cinnamomum camphora	16'-30'	14"	60% - Fair	1		5440 W Hwy 318			29.40994	-82.2139	10587788
22	09/15/2022	Laurel Oak	Quercus laurifolia	16'-30'	13"	60% - Fair	1		5440 W Hwy 318		Tree has large amounts of things growing throughout its canopy	29.40996	-82.2139	10587790
23	09/15/2022	Laurel Oak	Quercus laurifolia	16'-30'	9"	60% - Fair	1		5440 W Hwy 318		Large mounds of vines growing throughout canopy	29.40997	-82.2139	10587808
24	09/15/2022	Laurel Oak	Quercus laurifolia	16'-30'	16"	60% - Fair	1		5440 W Hwy 318		Large amounts of vines growing throughout canopy	29.40997	-82.2139	10587809
25	09/15/2022	Black Cherry	Prunus serotina	16'-30'	9"	40% - Poor	1		5440 W Hwy 318		Large amounts of vines growing throughout canopy	29.40997	-82.2139	10587810
26	09/15/2022	Laurel Oak	Quercus laurifolia	16'-30'	16"	60% - Fair	1		5440 W Hwy 318		Large amounts of vines growing up and throughout its canopy	29.40997	-82.214	10587811
27	09/15/2022	Laurel Oak	Quercus laurifolia	16'-30'	13"	60% - Fair	1		5440 W Hwy 318		Large mouth of vines growing up and throughout canopy	29.40996	-82.2141	10587813
28	09/15/2022	Turkey Oak	Quercus laevis	31'-45'	44"	60% - Fair	1		5490 W Hwy 318		Tree has large amounts of vines growing up throughout its canopy tree. tree co dominant split approximately 20 feet up the trunk	29.41016	-82.2142	10587825
29	09/15/2022	Laurel Oak	Quercus laurifolia	31'-45'	37"	60% - Fair	1		5490 W Hwy 318		Tree has large amounts of vines growing in and up and throughout its canopy.	29.4099	-82.2142	10587826



LEGEND

- PROPERTY LINE
- SETBACK LINE
- LIMITS OF CONSTRUCTION
- SILT FENCE
- DEMOLITION LIMITS
- GRAVEL CONSTRUCTION ENTRANCE
- INLET PROTECTION
- OUTLET PROTECTION
- TEMPORARY SEEDING
- PERMANENT SEEDING

PROPERTY AREA DATA

TOTAL AREA OF PROPERTY: 1.86 ACRES
TOTAL AREA OF DISTURBANCE: 1.96 ACRES

GPS LOCATION (DECIMAL DEGREES)

LATITUDE: 29.4102
LONGITUDE: -82.213767

24-HOUR EMERGENCY CONTACT:

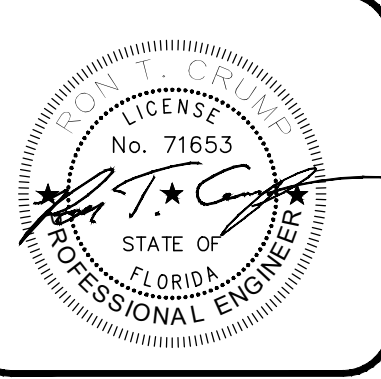
CONTACT: HENRY JOHNSON
CELL: 803-871-0002
EMAIL: HENRY.JOHNSON@PANNENBIER.COM

DEMOLITION NOTES:

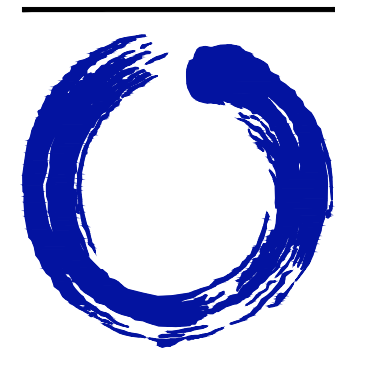
- ALL MATERIALS FROM DEMOLITION SHALL BE REMOVED FROM THE SITE BY THE GENERAL CONTRACTOR OR SUBCONTRACTOR UNLESS APPROVED FOR REUSE ON SITE BY THE STRUCTURAL, GEOTECHNICAL ENGINEERS AND GOVERNING AGENCIES.
- REMOVAL OF THE EXISTING STRUCTURES SHALL BE AS REQUIRED FOR THE PROJECT. THE MATERIALS REMOVED FROM THE SITE SHALL BE DISPOSED OF IN A PROPER AND LEGAL MANNER PER FEDERAL, STATE, AND OR LOCAL LAWS AND ORDINANCES.
- IF ANY HAZARDOUS MATERIALS ARE ENCOUNTERED, THE OWNER SHALL BE NOTIFIED. THOSE MATERIALS SHALL BE REMOVED AND DISPOSED OF IN A MANNER AS APPROVED BY ALL GOVERNING AGENCIES AND IN A LANDFILL OR DISPOSAL FACILITY LICENSED TO ACCEPT HAZARDOUS MATERIAL.
- PREDEMOLITION PHOTOGRAPHS SHALL BE TAKEN BY THE CONTRACTOR FOR OWNER, SHOWING EXISTING CONDITIONS OF THE SITE AND ADJOINING BUILDINGS TO REMAIN. PHOTOS SHALL INCLUDE DAMAGE TO FINISH SURFACES THAT MIGHT BE MISCONSTRUED AS DAMAGE CAUSED BY DEMOLITION OPERATIONS.
- EXISTING STRUCTURES TO REMAIN SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. ANY DAMAGE INCURRED DURING THE CONSTRUCTION SHALL BE RESTORED, RECONSTRUCTED OR REPLACED TO AT LEAST THEIR ORIGINAL CONDITION OR AS REQUIRED OR DICTATED BY FEDERAL, STATE, COUNTY, CITY OR LOCAL GOVERNING AGENCIES.
- IT IS THE RESPONSIBILITY OF CONTRACTOR TO INSPECT EACH DAY AND REMOVE ALL MUD, DIRT, GRAVEL AND LOOSE MATERIALS DUMPED FROM THIS SITE ONTO OTHER PROPERTIES. THE CONTRACTOR MUST CLEAN OR PICK UP DAILY IF NECESSARY. THE CONTRACTOR SHALL TRY TO REDUCE AIRBORNE DUST THROUGH OUT THE ENTIRE JOB. THIS MAY BE DONE BY WATERING DOWN AREAS AFFECTED BY THIS WORK.
- THE CONTRACTOR SHALL MAINTAIN EROSION CONTROL DEVICES AS REQUIRED DURING DEMOLITION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNER AND ALL UTILITY COMPANIES AND DEPARTMENTS 72 HOURS, OR AS REQUIRED, BEFORE DEMOLITION IS TO START, TO VERIFY ANY UTILITIES THAT MAY BE PRESENT ON SITE. ALL VERIFICATIONS, LOCATIONS, SIZE AND DEPTHS SHALL BE MADE BY THE APPROPRIATE UTILITY COMPANIES OR DEPARTMENTS. WHEN EXCAVATING AROUND OR OVER UTILITIES, THE CONTRACTOR MUST NOTIFY THE UTILITY COMPANY SO A REPRESENTATIVE OF THE UTILITY MAY BE PRESENT DURING THE EXCAVATION TO INSTRUCT AND OBSERVE DURING THE PROCESS. VERIFY THAT UTILITIES HAVE BEEN DISCONNECTED AND CAPPED BEFORE STARTING DEMOLITION OPERATIONS. NO TRENCHES SHALL BE LEFT OPEN OVERNIGHT.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN AND PAY ALL FEDERAL, STATE, COUNTY, CITY AND LOCAL PERMITS FOR ANY AND ALL WORK REQUIRED UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL MAKE AN EFFORT TO SALVAGE ANY VEGETATION OR OTHER LANDSCAPING MATERIALS WHEN AND WHERE POSSIBLE. NOTIFY LANDSCAPE ARCHITECT AND OWNER OF RELOCATION AREA TO PREVENT ANY FUTURE ISSUES.
- ALL ASPHALT AND CONCRETE CUTS SHALL BE SMOOTH, CLEAN AND IN STRAIGHT LINES. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE MADE TO CONCRETE THAT IS TO REMAIN AS PART OF THE NEW DEVELOPMENT.
- DEMOLITION RESPONSIBILITIES:
 - A. CONSTRUCTION DEBRIS AND REFUSE RESULTING FROM DEMOLITION SHALL BE REMOVED FROM THE CONSTRUCTION LOCATION UNDER MEANS THAT ADHERE TO FEDERAL, STATE AND LOCAL REGULATIONS. UNDER NO CIRCUMSTANCES SHALL REFUSE MANAGEMENT COMPROMISE THE DELIVERY SCHEDULE OR QUALITY OF THE PROJECT.
 - B. FEDERAL, STATE AND LOCAL REGULATIONS SHALL BE ADHERED TO AT ALL TIMES DURING DEMOLITION.
 - C. PRIOR TO DEMOLITION COMMENCEMENT, CONTACT LOCAL "811" SERVICES.
 - D. PROPER SHORING AND BRACING SYSTEMS SHALL BE UTILIZED FOR ALL EXCAVATIONS AT ALL TIMES. COMPLETELY FILL ALL EXCAVATIONS AT THE END OF EACH DAY.
 - E. BURNING OF MATERIALS IS PROHIBITED EXCEPT BY PROPER PERMIT FROM GOVERNING AGENCY.
 - F. EXISTING AND REMAINING FACILITIES, WHETHER ON THE PROPERTY OR ON ADJACENT PROPERTIES, SHALL BE MAINTAINED IN THEIR ORIGINAL CONDITIONS IF DISTURBED. THESE STRUCTURES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION.
 - G. EROSION CONTROL MEASURES DURING DEMOLITION PHASE SHALL BE MAINTAINED AT ALL TIMES DURING ALL PHASES OF THE PROJECT, PER FEDERAL, STATE AND LOCAL CODES. NO EARTHMOVING OR DISTURBANCE SHALL BE CAUSED TO HAPPEN UNTIL ALL APPROPRIATE MEASURES HAVE BEEN PUT INTO PLACE.

ALL DISTURBED AREAS LEFT FOR MORE THAN SEVEN (7) CALENDAR DAYS SHALL BE MULCHED IN ACCORDANCE WITH SECTION III. D.1 OF THE NPDES PERMIT

ALL BMPs ASSOCIATED WITH DEMOLITION SHALL BE IN PLACE PRIOR TO ANY DEMOLITION WORK.



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SUITE 600
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PANNENBIER, LLC
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PHONE: (770) 850-9393

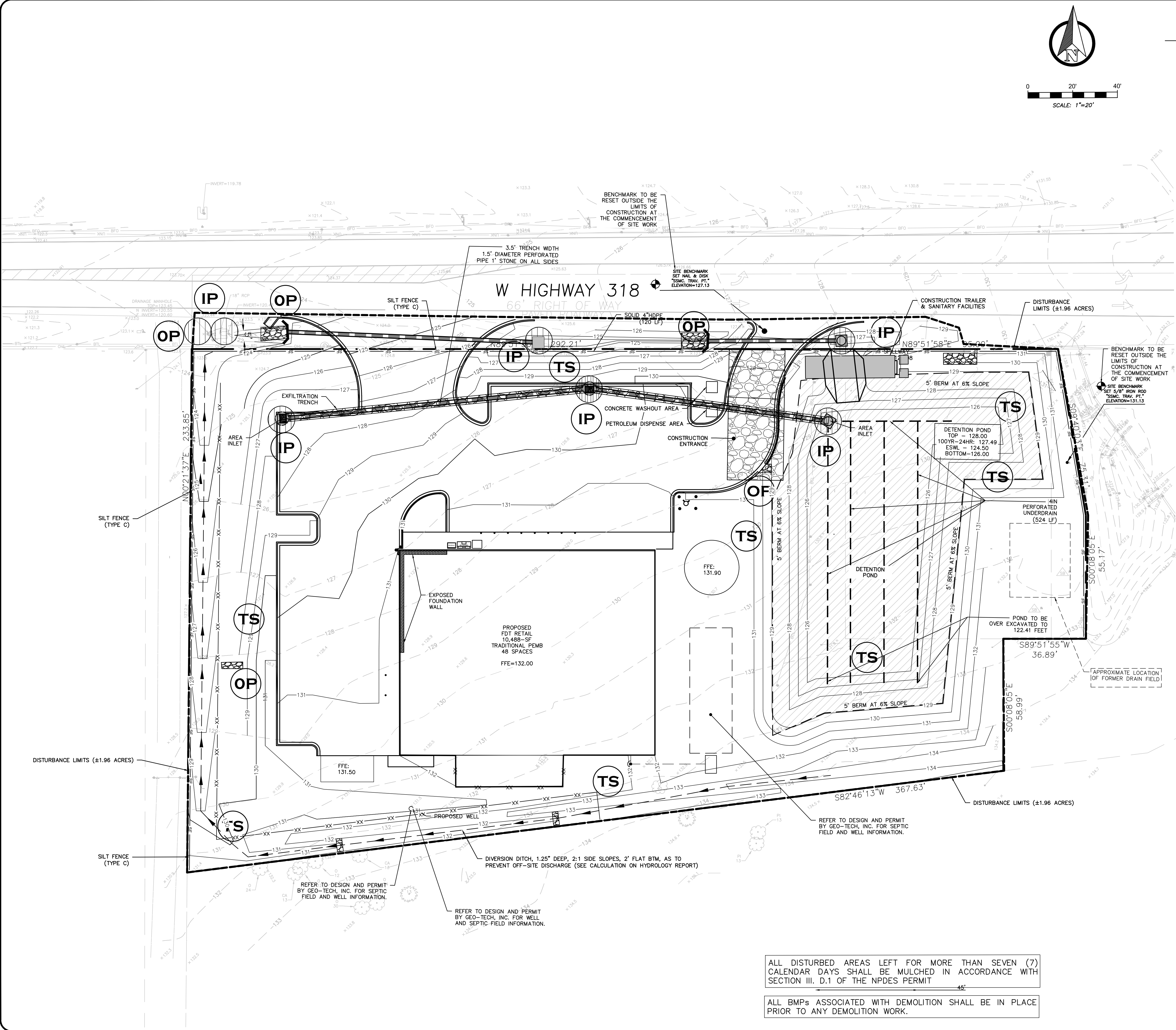
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1	01/03/2023	ADDRESS COUNTY COMMENTS
2	02/15/2023	ADDRESS COUNTY COMMENTS
3	03/08/2023	ADDRESS COUNTY COMMENTS
4	04/17/2023	ADDRESS COUNTY COMMENTS

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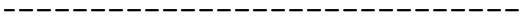
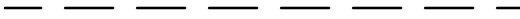
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DRAWN: AAA	CHECK: JDR
JOB NO: 22-188	DATE: 09/23/22

DEMO/INITIAL
EC
SHEET C501



LEGEND

- | | |
|---|------------------------------|
|  | PROPERTY LINE |
|  | SETBACK LINE |
|  | EASEMENT LINE |
|  | EXISTING CONTOUR |
|  | PROPOSED CONTOUR |
|  | LIMITS OF CONSTRUCTION |
|  | SILT FENCE |
|  | DEMOLITION LIMITS |
|  | GRAVEL CONSTRUCTION ENTRANCE |
|  | INLET PROTECTION |
|  | OUTLET PROTECTION |
|  | TEMPORARY SEEDING |
|  | PERMANENT SEEDING |

24-HOUR EMERGENCY CONTACT:

CONTACT: HENRY JOHNSON
CELL: 803-871-0002
EMAIL: HENRY.JOHNSON@PANNENBIER.COM

PROPERTY AREA DATA

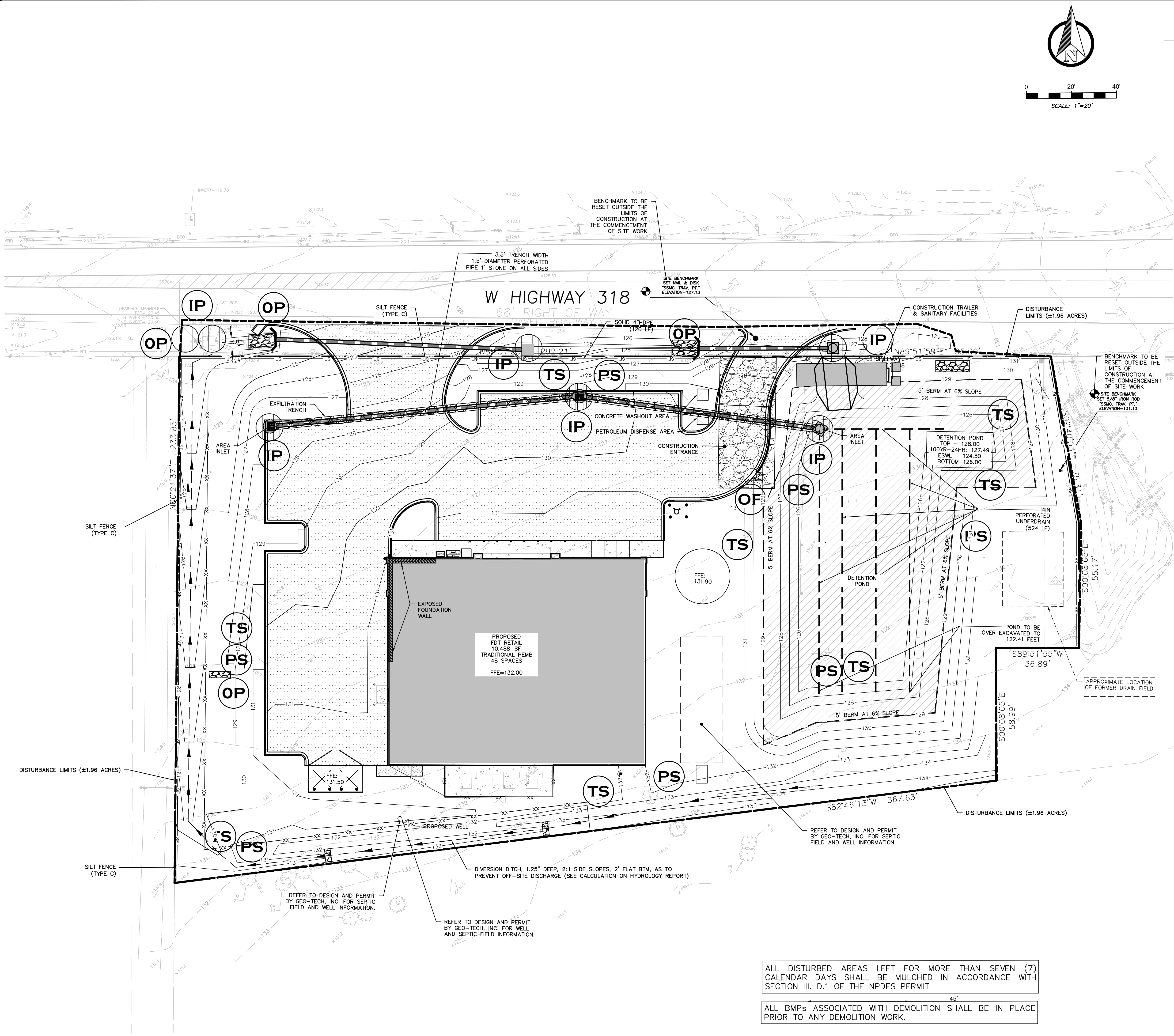
TOTAL AREA OF PROPERTY: 1.86 AC
TOTAL AREA OF DISTURBANCE: 1.96 AC

GPS LOCATION (DECIMAL DEGREES)

LATITUDE: 29.4102
LONGITUDE: -82.213767

	
CONTINEO GROUP 7555 COMMERCE DRIVE SUITE 800 DECATUR, GA 30030 770.335.9403 www.icgengineer.com	
	
PANNENBERG PANNENBERG, LLC 1355 TERRELL MILL ROAD, BLDG 1470, STE 100, MARIETTA, GA 30067 PHONE: (770) 8510-9393	
FAMILY DOLLAR®	
ISSUED FOR: PERMIT PLAN	
JURISDICTION: MARION COUNTY	
APPLICATION TYPE: MAJOR SITE PLAN	
LOCATION: 5440 W HWY 318 REDLICK, FL 32686	
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CHECK: JDR	
JOB NO: 22-188	
DATE: 09/23/22	
INTERMEDIATE EROSION CONTROL PLAN	
SHEET C502	

D:\CONTINEO-MASTER DROPBOX\BRYAN RUSSELL (DROPBOX)\CONTINEO-MASTER (P-DRIVE) PROJECTS\2022\22-188 - PANNENBIER - FAMILY DOLLAR - MCINTOSH FL\DRAWINGS



LEGEND

- PROPERTY LINE
- SETBACK LINE
- EASEMENT LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- LIMITS OF CONSTRUCTION
- SILT FENCE
- DEMOLITION LIMITS
- GRAVEL CONSTRUCTION ENTRANCE
- INLET PROTECTION
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- TEMPORARY SEEDING
- PERMANENT SEEDING

24-HOUR EMERGENCY CONTACT:

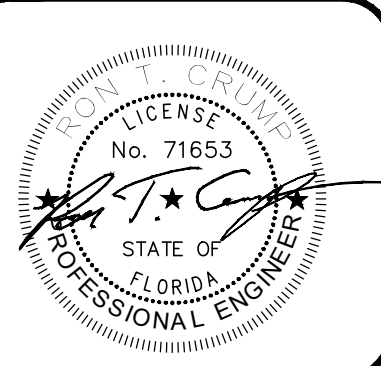
CONTACT: HENRY JOHNSON
CELL: 803-871-0002
EMAIL: HENRY.JOHNSON@PANNENBIER.COM

PROPERTY AREA DATA

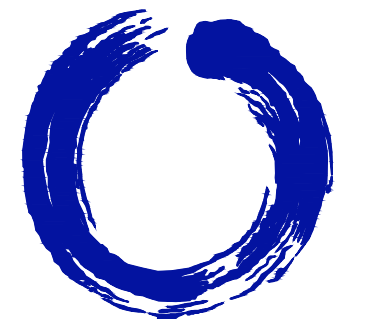
TOTAL AREA OF PROPERTY: 1.86 AC
TOTAL AREA OF DISTURBANCE: 1.96 AC

GPS LOCATION (DECIMAL DEGREES)

LATITUDE: 29.4102
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FAMILY DOLLAR
ISSUED FOR: PERMIT PLAN
JURISDICTION: MARION COUNTY
APPLICATION TYPE: MAJOR SITE PLAN
LOCATION: 5440 W HWY 318
REDDICK, FL 32686

#	DATE	REVISIONS
1	01/03/2023	ADDRESS COUNTY COMMENTS
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3	03/08/2023	ADDRESS COUNTY COMMENTS
4	04/11/2023	ADDRESS COUNTY COMMENTS

DRAWN: AAA
CHECK: JDR

JOB NO: 22-188
DATE: 09/23/22

FINAL EROSION
CONTROL PLAN

SHEET C503

ALL DISTURBED AREAS LEFT FOR MORE THAN SEVEN (7) CALENDAR DAYS SHALL BE MULCHED IN ACCORDANCE WITH SECTION III. D.1 OF THE NPDES PERMIT

ALL BMPs ASSOCIATED WITH DEMOLITION SHALL BE IN PLACE PRIOR TO ANY DEMOLITION WORK.

D:\CONTINEO-MASTER DROPBOX\BRYAN RUSSELL (DROPBOX)\CONTINEO-MASTER (P-DRIVE) PROJECTS\2022\22-188 - PANNENBIEER - FAMILY DOLLAR - MCINTOSH FL\DRAWINGS

4.3 Stabilized Construction Exit



Definition
A stabilized pad located at points where vehicles enter and leave a construction site.

Purpose

To reduce the amount of sediment transported onto public roads by motor vehicles or runoff.

Conditions Where Practice Applies

Wherever traffic will be leaving a construction site and moving directly onto a public road or other paved area.

Planning Considerations

Construction entrances provide an area where mud can be removed from construction vehicle tires before they enter a public road. If the action of the vehicle traveling over the stabilized pad is not sufficient to remove most of the mud, then the tires must be washed before the vehicle enters a public road. If tire washing is provided, provisions must be made to intercept the wash water and trap the sediment before it is carried offsite. Construction entrances should be used in conjunction with the stabilization of construction roads to reduce the amount of mud picked up by construction vehicles.

Design Criteria

Aggregate Size

If stone is utilized, FDOT No. 1 Coarse Aggregate, 1½ to 3½ inch (4 to 9 cm) stone is suggested. Wood chips may be used for single-family residential construction, provided that they can be prevented from floating away during a storm event. Manufactured products also are available to prevent or reduce the amount of sediment tracked onto

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roadways. If a stabilized exit is not sufficient, street sweeping can be provided as an additional measure.

Dimensions

If stone is used, then the aggregate layer must be at least 6 inches (15 cm) thick. It must extend the FULL WIDTH of the vehicular ingress and egress area. The length of the entrance must be at least 50 feet (20 m). The exit should widen at its connection to the roadway to accommodate the turning radius of large trucks (see Figure 4.3a).

Washing

If conditions on the site are such that most of the mud is not removed by the vehicles traveling over the stone, then the vehicle tires must be washed before entering a public road. Wash water must be carried away from the entrance to a settling area to remove sediment (see Figure 4.3b). A wash rack may also be used to make washing more convenient and effective (see Figure 4.3c).

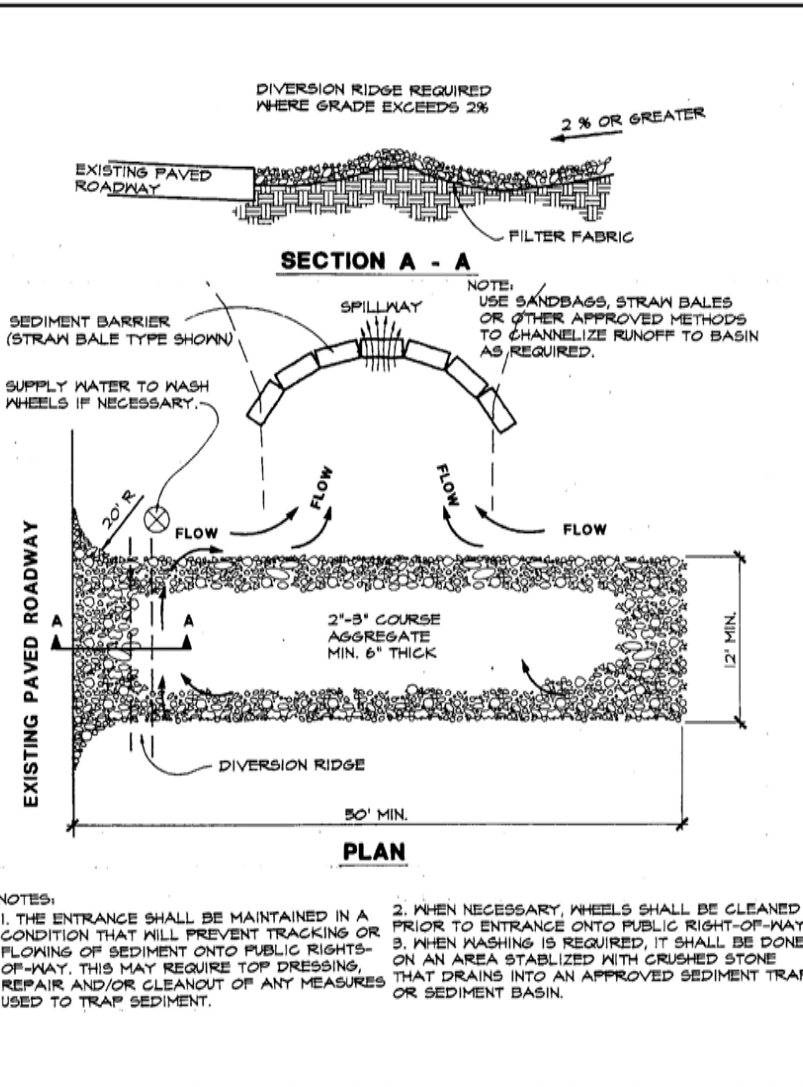


Figure 4.3a. Temporary Gravel Construction Entrance

Source: Erosion Draw

41

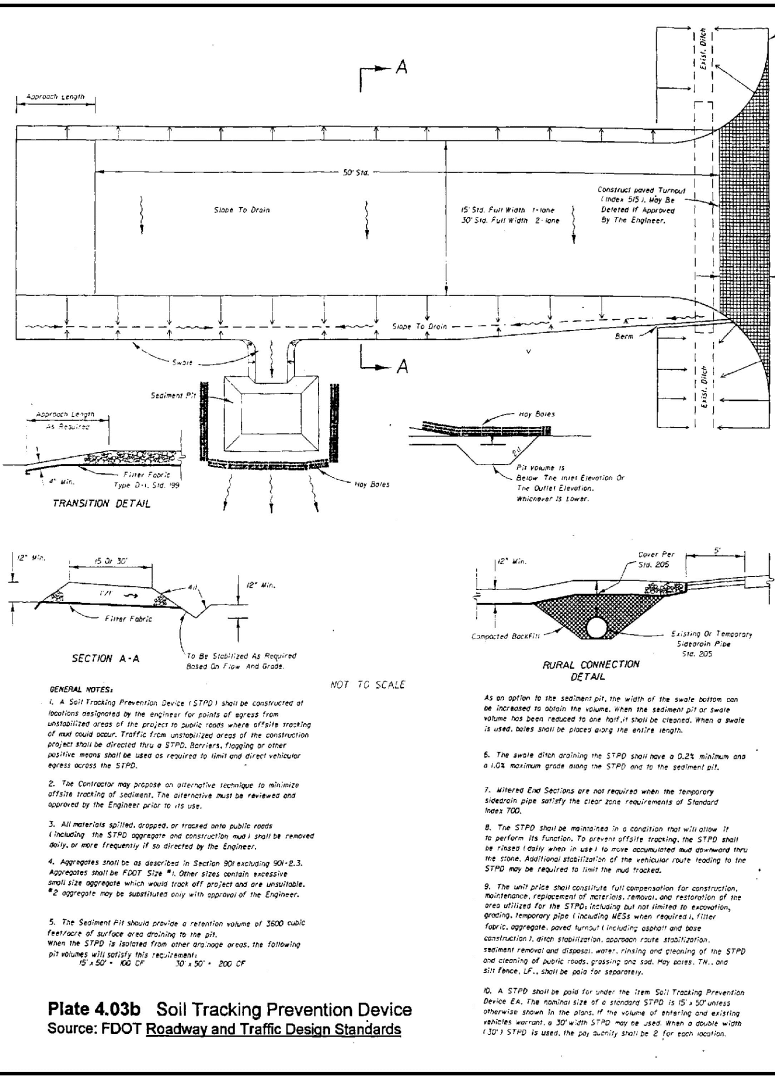


Figure 4.3b. Soil Tracking Prevention Device

Source: FDOT Roadway and Traffic Design Standards

42

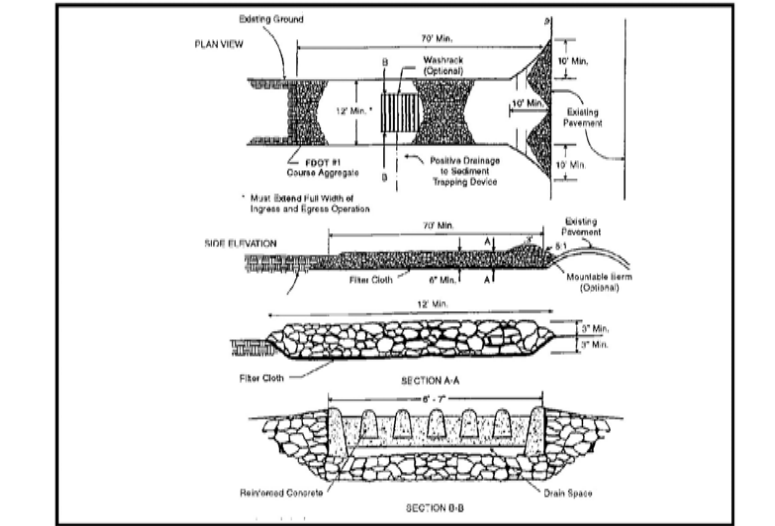


Figure 4.3c. Construction Entrance with Wash Rack

Source: 1983 Maryland Standards for Soil Erosion and Sediment Control

Location

The entrance should be located to provide for maximum utility by all construction vehicles.

Construction Specifications

The entrance area should be cleared of all vegetation, roots, and other objectionable material. A geotextile should be laid down to improve stability and simplify maintenance when gravel is used. The gravel shall then be placed over the geotextile to the specified dimensions.

Maintenance

The stabilized construction exit shall be maintained in a condition that will prevent the tracking or flow of mud onto public rights of way. This may require periodic maintenance as conditions demand, and the repair and/or cleanout of any structures used to trap sediments. All materials spilled, dropped, washed, or tracked from vehicles onto roadways or into storm drains must be removed immediately. Look for signs of trucks and trailer equipment "cutting corners" where the construction exit meets the roadway. Sweep the paved road as needed.

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4.4 Perimeter Controls

Overview

Perimeter controls intercept and detain small amounts of sediment from disturbed areas during construction operations. These measures include silt fences, filter socks, temporary diversion berms, temporary fill diversions, temporary slope drains, and floating turbidity barriers. They are the last line of defense and one of the most visible and maintenance-intensive BMPs on an active construction site.

These measures reduce the potential for sediment to enter offsite areas such as roadways, storm drains, or adjacent properties. They are used under the following conditions:

1. Below disturbed areas where erosion would occur in the form of sheet and rill erosion.
2. Where the size of the drainage area is no more than ¼ acre per 100 feet of perimeter control measure; the maximum slope length behind the barrier is 100 feet; and the maximum gradient behind the barrier is 20% (2:1).

These measures should be installed before clearing and grading activities begin. They typically remain installed and maintained until the contributing drainage area is stabilized.

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4.4.1 Silt Fence

Definition

A temporary sediment barrier consisting of a filter fabric stretched across and attached to supporting posts and entrenched to supporting posts and entrenched. Some silt fence is wire reinforced for support.

Purpose

The purpose of a silt fence is to slow the velocity of water and retain sediment onsite.

Conditions Where Practice Applies

A silt fence should only be installed for sediment capture under sheetflow conditions. It should not be installed for channel flow conditions or in live streams or waterways.

Planning Considerations

Silt fences can trap a much higher percentage of suspended sediments than straw bales and are preferable to straw barriers in many cases. The most effective application is to install two parallel silt fences spaced a minimum of three feet apart. The installation and maintenance methods outlined here can improve performance.

Silt fences composed of a wire support fence with attached synthetic filter fabric slow the flow rate significantly and have high filtering efficiency. Both woven and nonwoven synthetic fabrics are commercially available. The woven fabrics are generally stronger than the nonwoven fabrics. When tested under acid and alkaline water conditions, most of the woven fabrics increase in strength. There is a variety of reactions among the nonwoven fabrics. The same is true of testing under extensive ultraviolet radiation. Permeability rates vary regardless of fabric type. While all of the fabrics demonstrate high filtering efficiencies for sandy sediments, there is considerable variation among both woven and nonwoven fabrics when filtering finer silt and clay particles.

Design Criteria

1. No formal design is required for many small projects and for minor and incidental applications.
2. Silt fences shall have an expected usable life of six months. They are applicable around perimeters and stockpiles, and at temporary locations where continuous construction changes the earth contour and runoff characteristics.
3. Silt fences have limited applicability to situations in which only sheet or overland flows are expected. They normally cannot filter the volumes of water generated by channel flows, and many fabrics do not have sufficient structural strength to support the weight of water ponded behind the fence line.

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Construction Specifications

Materials

1. Synthetic filter fabric shall be a pervious sheet of polypropylene, nylon, polyester, or polyethylene yarn. It shall contain ultraviolet ray inhibitors and stabilizers to provide a minimum of 6 months of expected usable construction life at a temperature range of 0°F to 120°F (-17°C to 49°C).
2. The stakes for a silt fence shall be 1 x 2 inches (2.5 x 5 cm) wood (preferred), or equivalent metal with a minimum length of 3 feet (90 cm).
3. Wire fence reinforcement for silt fences using standard-strength filter cloth shall be a minimum of 36 inches (90 cm) in height, shall be a minimum of 14 gauge, and shall have a maximum mesh spacing of 6 inches (15 cm).

Sheetflow Application: Silt Fence

This sediment barrier uses standard-strength or extra-strength synthetic filter fabrics. It is designed for situations in which only sheet or overland flows are expected (see Figures 4.4a and 4.4b):

1. The height of a silt fence shall not exceed 36 inches (90 cm). Higher fences may impound volumes of water sufficient to cause failure of the structure.
2. The filter fabric shall be purchased in a continuous roll cut to the length of the barrier to avoid the use of joints. When joints are necessary, filter cloth shall be spliced as described in Item 8 below.
3. Posts shall be spaced a maximum of 10 feet (3 m) apart at the barrier location and driven securely into the ground a minimum of 12 inches (30 cm). When extra-strength fabric is used without the wire support fence, post spacing shall not exceed 6 feet (1.8 m).
4. A trench shall be excavated approximately 4 inches (10 cm) wide and 4 inches (10 cm) deep along the line of posts and upslope from the barrier.
5. When standard-strength filter fabric is used, a wire mesh support fence shall be fastened securely to the upslope side of the posts using heavy-duty wire staples at least 1 inch (25 mm) long, be wires, or hog rings. The wire shall extend into the trench a minimum of 2 inches (5 cm) and shall not extend more than 36 inches (90 cm) above the original ground surface.
6. The standard-strength filter fabric shall be stapled or wired to the fence, and 8 inches (20 cm) of the fabric shall be extended into the trench. The fabric shall not extend more than 36 inches (90 cm) above the original ground surface.
7. When extra-strength filter fabric and closer post spacing are used, the wire mesh support fence may be eliminated. In this case, the filter fabric shall be stapled or wired directly to the posts with all other provisions of Item 6 applying.

46

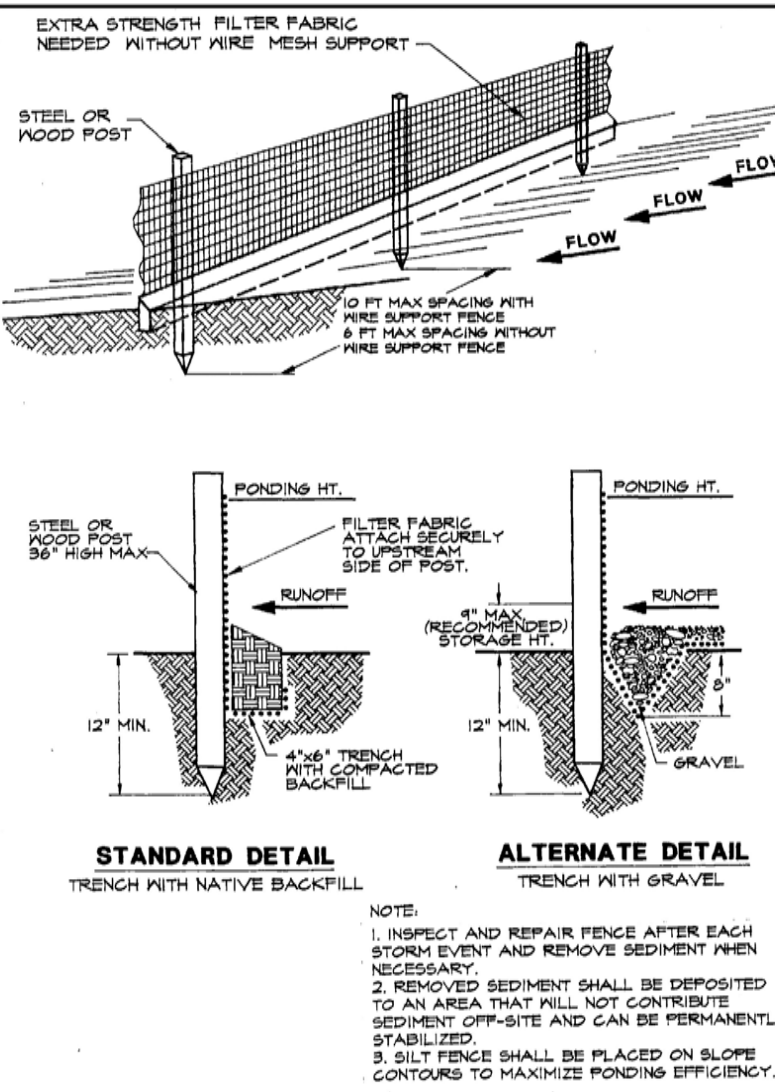


Figure 4.4a. Silt Fence

Source: Erosion Draw

47

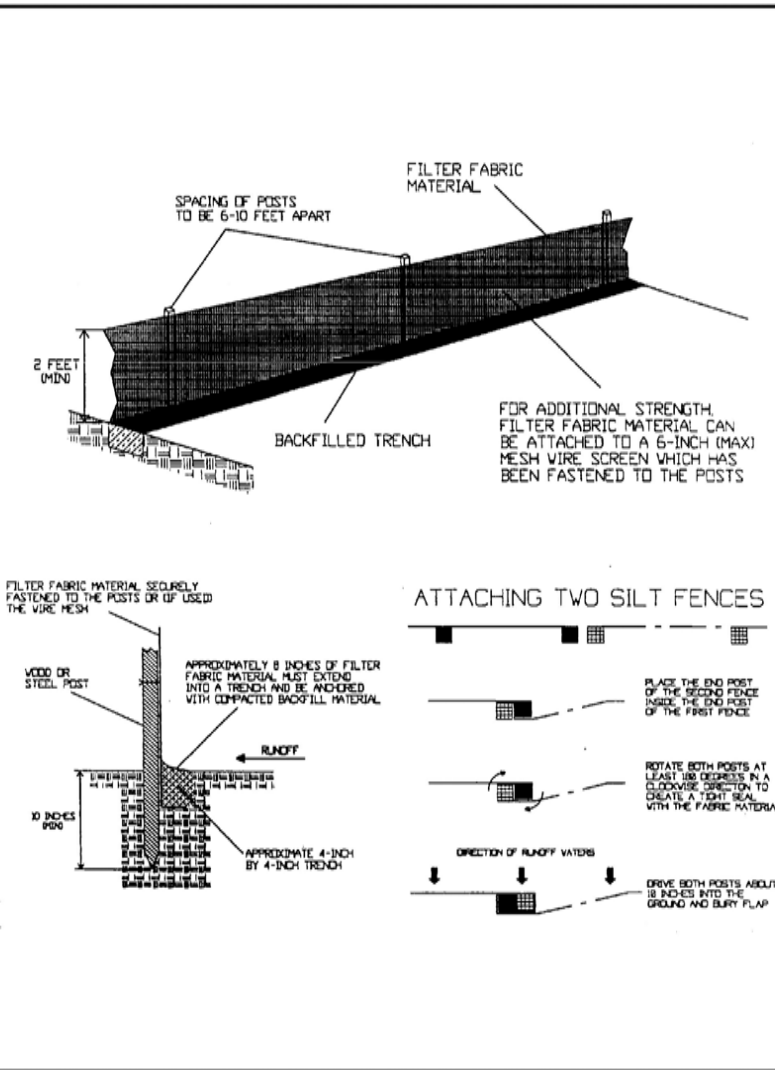


Figure 4.4b. Installing a Filter Fabric Silt Fence

Source: HydrDynamics, Inc.

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8. When attaching 2 silt fences together, place the end post of the second fence inside the end post of the first fence. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the filter fabric. Drive both posts into the ground and bury the flap (see Figure 4.4b).
9. The trench shall be backfilled and the soil compacted over the filter fabric.
10. The most effective application consists of a double row of silt fences spaced a minimum of 3 feet apart, so that if the first row collapses it will not fall on the second row. Wire or synthetic mesh may be used to reinforce the first row (see Figure 4.4c).
11. When used to control sediments from a steep slope, silt fences should be placed away from the toe of the slope for increased holding capacity (see Figure 4.4d).
12. Silt fences shall be removed when they have served their useful purpose, but not before the upslope area has been permanently stabilized.

Maintenance

1. Silt fences shall be inspected within 24 hours after each ½-inch rainfall event and at least once a week. Any required repairs shall be made immediately.
2. Should the fabric on a silt fence decompose or become ineffective before the end of the expected usable life and the barrier is still necessary, the fabric shall be replaced promptly.
3. Sediment deposits should be removed when deposits reach approximately one-half the height of the barrier.
4. Any sediment deposits remaining in place after the silt fence is no longer required shall be dressed to conform with the existing grade, prepared, and seeded.

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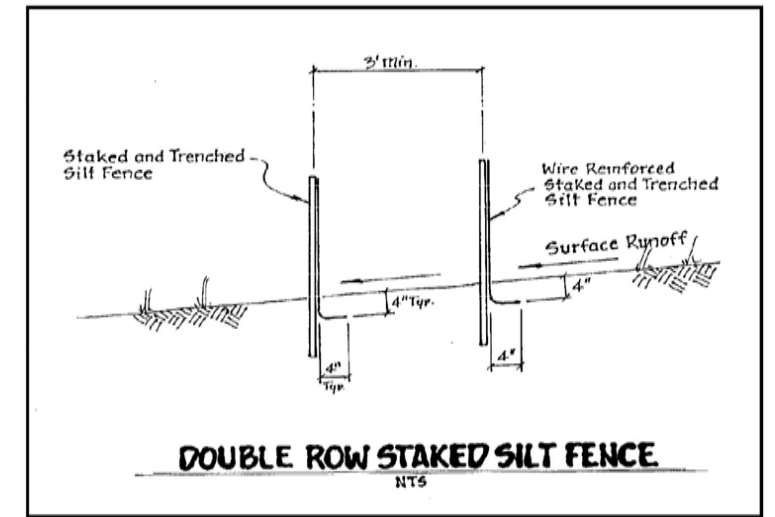


Figure 4.4c. Double Row Staked Silt Fence

Source: Ready Creek Improvement District

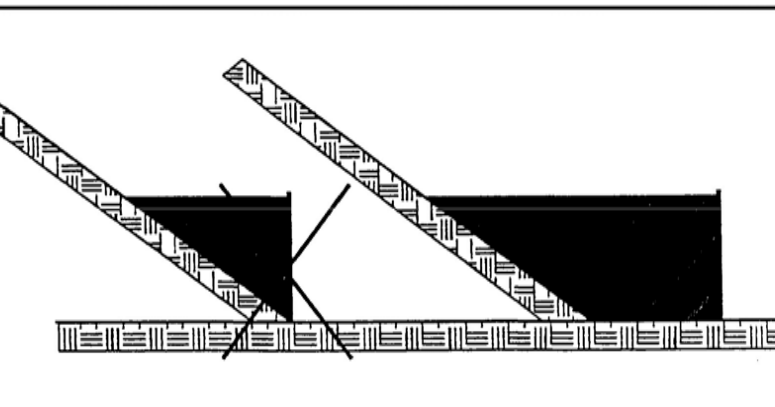
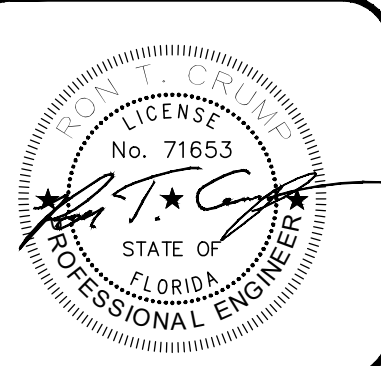


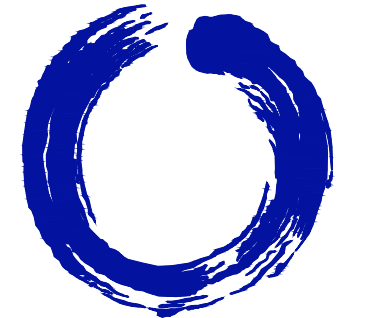
Figure 4.4d. Proper Placement of a Silt Fence at the Toe of a Slope

Source: HydrDynamics, Inc.

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ISSUED FOR:	PERMIT PLAN
JURISDICTION:	MARION COUNTY
APPLICATION TYPE:	MAJOR SITE PLAN
LOCATION:	5440 W HWY 318 REDDICK, FL 32686

DRAWN:	CHECK:
AAA	JDR
JOB NO:	DATE:
22-188	09/23/22

EROSION CONTROL DETAILS
SHEET

C601

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4.5 Storm Drain Inlet Protection

Definition

A sediment filter or an excavated impounding area around a storm drain drop inlet or curb inlet.

Purpose

To prevent sediment from entering stormwater conveyance systems prior to permanent stabilization of the disturbed area.

Condition Where Practice Applies

Where storm drain inlets are to be made operational before permanent stabilization of the disturbed drainage area. Different types of structures are applicable to different conditions (see Figures 4.5a through 4.5f).

Planning Considerations

Storm sewers that are made operational before their drainage area is stabilized can convey large amounts of sediment to receiving waters. In the case of extreme sediment loading, the storm sewer itself may clog and lose most of its capacity. To avoid these problems, it is necessary to prevent sediment from entering the system at the inlets.

There are several types of inlet filters and traps, which have different applications depending on the site conditions and type of inlet. Other innovative techniques for accomplishing the same purpose are encouraged, but only after specific plans and details are submitted to and approved by the stormwater permitting agency.

Note that these various inlet protection devices are for drainage areas of less than 1 acre (0.4 ha). Runoff from large, disturbed areas should be routed through a TEMPORARY SEDIMENT TRAP (Chapter 4).

Design Criteria

1. The drainage area shall be no greater than 1 acre (0.4 ha).
2. The inlet protection device shall be constructed to facilitate the cleanout and disposal of trapped sediment and to minimize interference with construction activities.
3. The inlet protection devices shall be constructed so that any resultant ponding or stormwater will not cause excessive inconvenience or damage to adjacent areas or structures.
4. Figures 4.5a through 4.5f provide specific design criteria for each particular inlet protection device.

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Construction Specifications

Fabric Drop Inlet Sediment Filter

1. Fabric shall be cut from a continuous roll to avoid joints.
2. Stakes shall be 2 x 4 inches (5 x 10 cm) wood (preferred) or equivalent metal with a minimum length of 3 feet (90 cm) (see Figure 4.5a).
3. Staples shall be of heavy duty wire at least 1/8 inch (3 mm) long.
4. Stakes shall be spaced around the perimeter of the inlet a maximum of 3 feet (90 cm) apart and securely driven into the ground a minimum of 8 inches (20 cm). A frame of 2 x 4 inches (5 x 10 cm) of wood shall be constructed around the top of the stakes for proper stability.
5. A trench shall be excavated approximately 4 inches (10 cm) wide and 4 inches (10 cm) deep around the outside perimeter of the stakes (see Figure 4.5b).
6. The fabric shall be stapled to the wooden stakes, and 8 inches (20 cm) of the fabric shall be extended into the trench. The height of the filter barrier shall be a minimum of 15 inches (38 cm) and shall not exceed 18 inches (45 cm).
7. The trench shall be backfilled and the soil compacted over the fabric.



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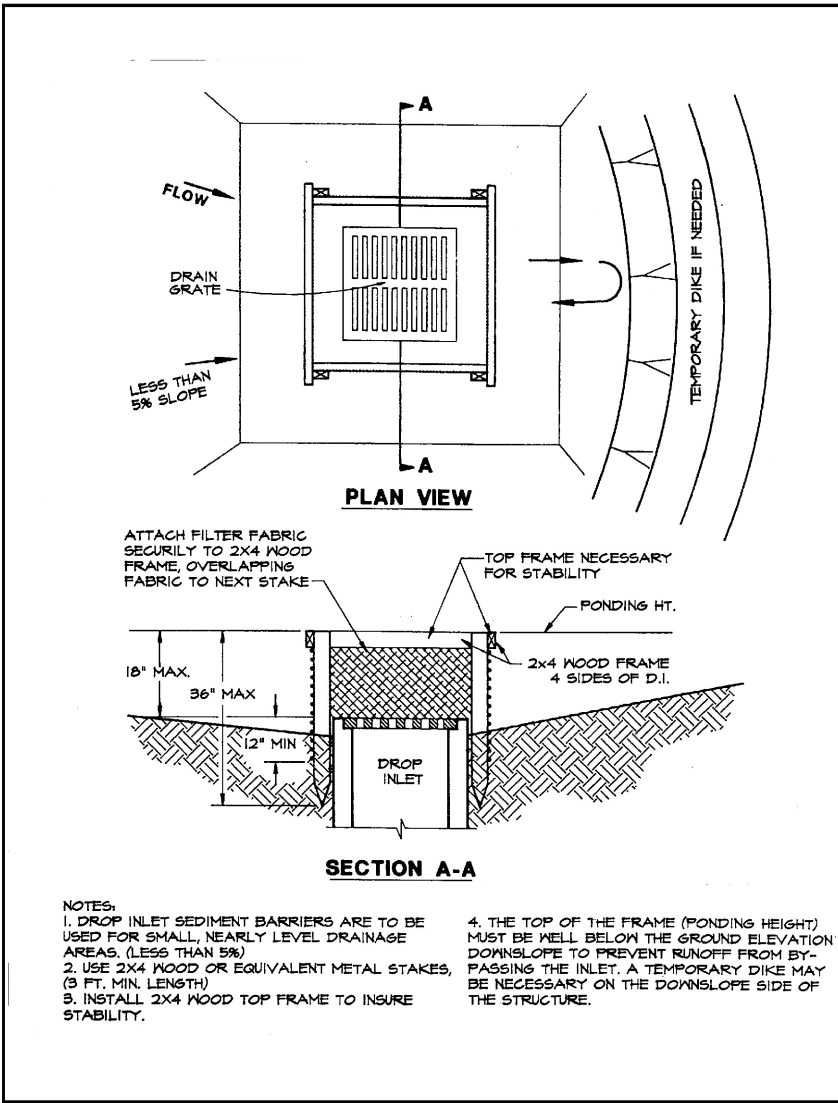


Figure 4.5a. Silt Fence Drop Inlet Sediment Barrier

Source: Erosion Draw

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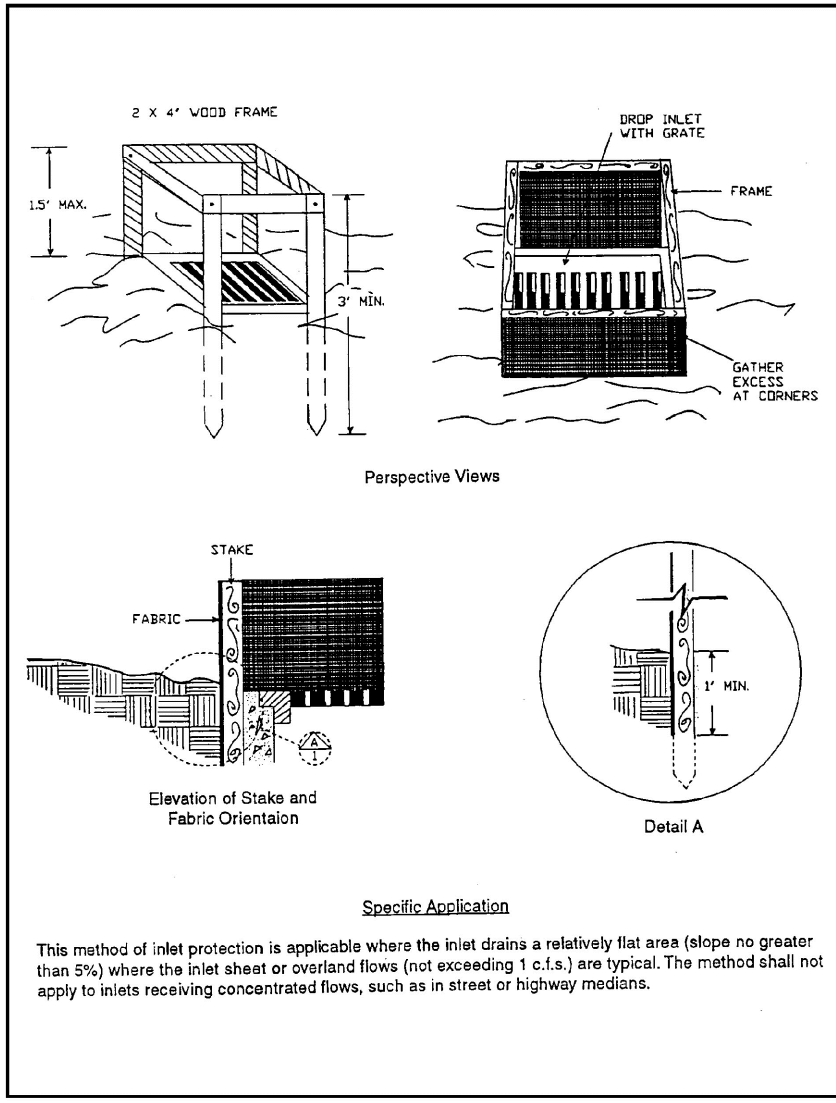


Figure 4.5b. Filter Fabric Drop Inlet Sediment Filter

Source: North Carolina Erosion and Sediment Control Manual

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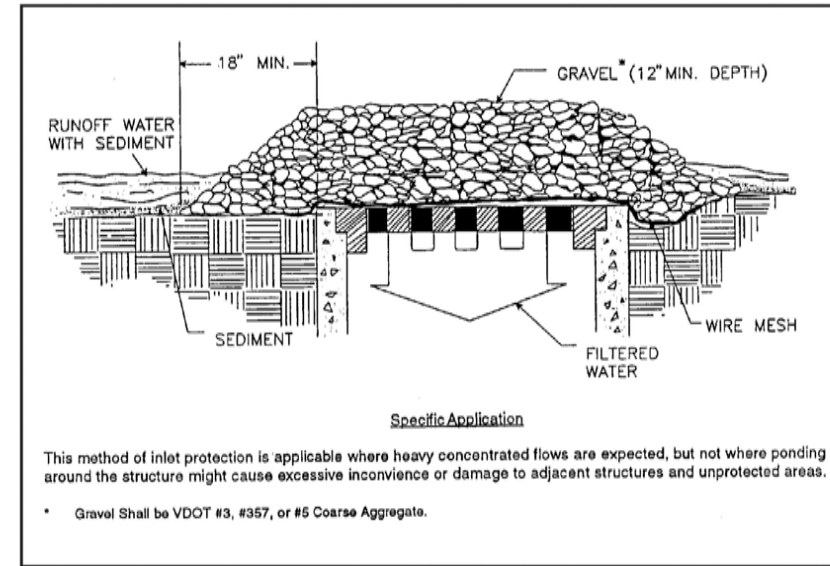


Figure 4.5c. Gravel and Wire Mesh Drop Inlet Sediment Filter

Source: Virginia DSWC

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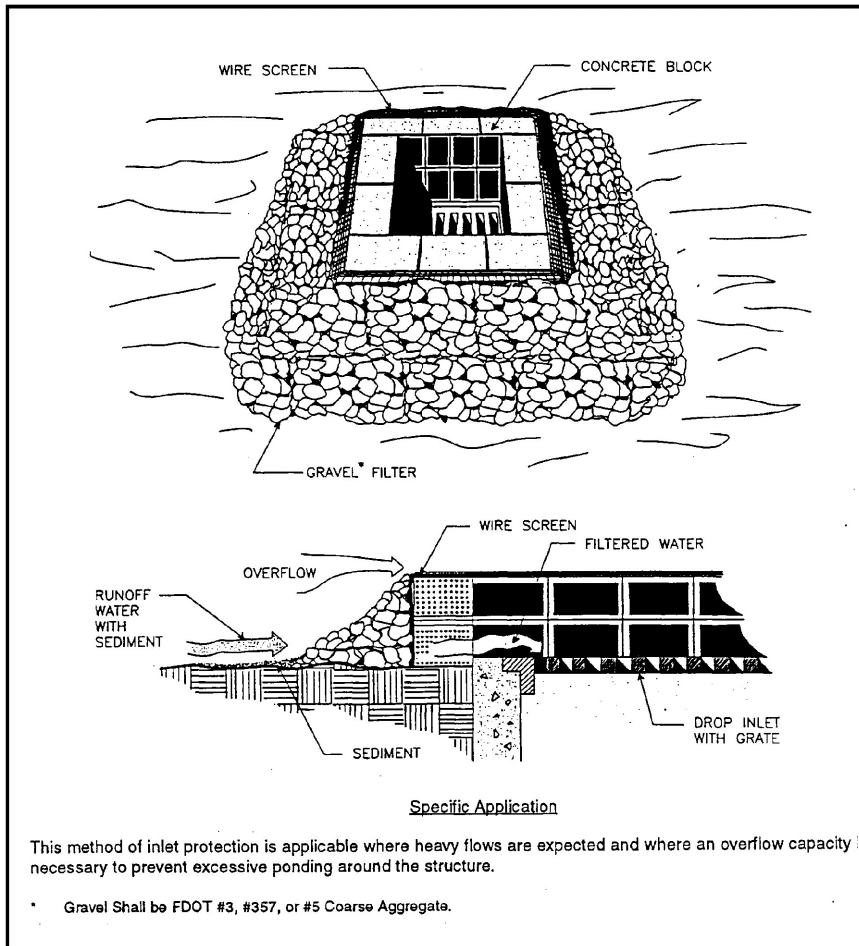


Figure 4.5d. Block and Gravel Drop Inlet Sediment Filter

Source: Michigan Soil Erosion and Sedimentation Control Outdoobok

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5. As a very temporary alternative, pervious burlap bags filled with gravel may be placed around the inlet, provided that there are no gaps between the bags (see Figure 4.5e).
6. Either of these two practices may be installed on pavement or bare ground.

Sod Drop Inlet Sediment Filter

1. Soil shall be prepared and sod installed according to the specifications in SODDING (Chapter 7).
2. Sod shall be placed to form a turf mat covering the soil for a distance of 4 feet (1.2 m) from each side of the inlet structure (see Figure 4.5f).

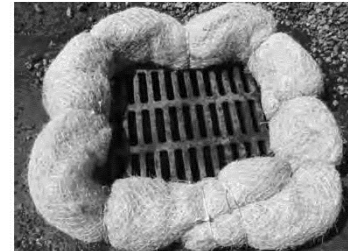


Prefabricated Drop Inlet Internal Filter Bag

1. Remove the grate over the catch basin and insert the filter device, then replace the grate to hold the device in position.
2. When sediments have accumulated to within 1 foot (30 cm) of the grate, the filter insert must be removed by a front-end loader or forklift. The filter may be discarded and replaced, or it may be emptied, cleaned, and reused.

Filter Sock Drop Inlet Filter

1. The filter sock should be placed around the entire circumference of the drop inlet and should allow for at least 1 foot of overlap on either side of the opening being protected. Stakes should be used to keep the sock in place.
2. Under low-flow conditions, a 9-inch or 12-inch sock diameter should suffice.
3. Sediment will collect around the outside of the filter sock and should be removed when the sediment reaches one-half of the sock height.



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Prefabricated Drop Inlet External Filter

1. Place the device over the inlet. If the inlet has a grate, the device shall be secured to the grate by means of a long toggle bolt. If the grate is not present, the device shall be bolted directly to the concrete.
2. Sediments shall be removed when they have accumulated to within 1 foot (30 cm) of the top of the device. The filter fabric elements shall be cleaned or replaced at that time.



NOTE: This segment does not constitute a product endorsement.

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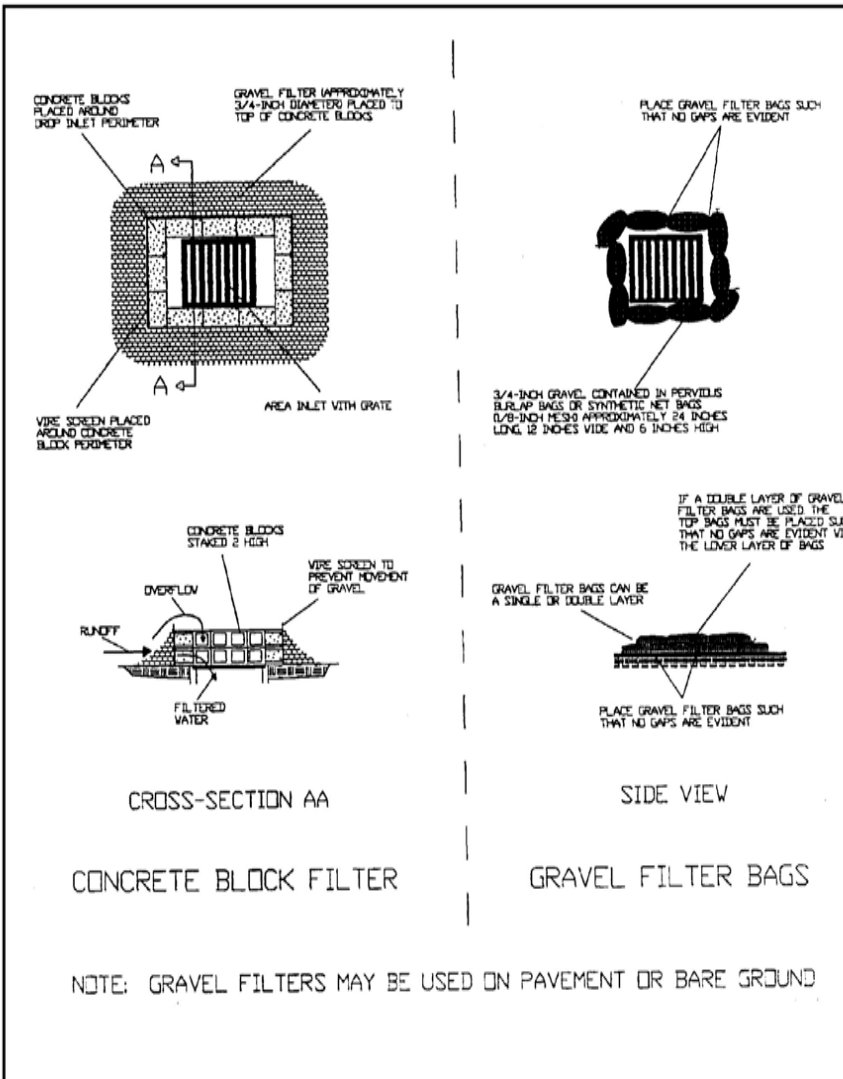


Figure 4.5e. Gravel Filters for Area Inlets

Source: HydroDynamics, Inc.

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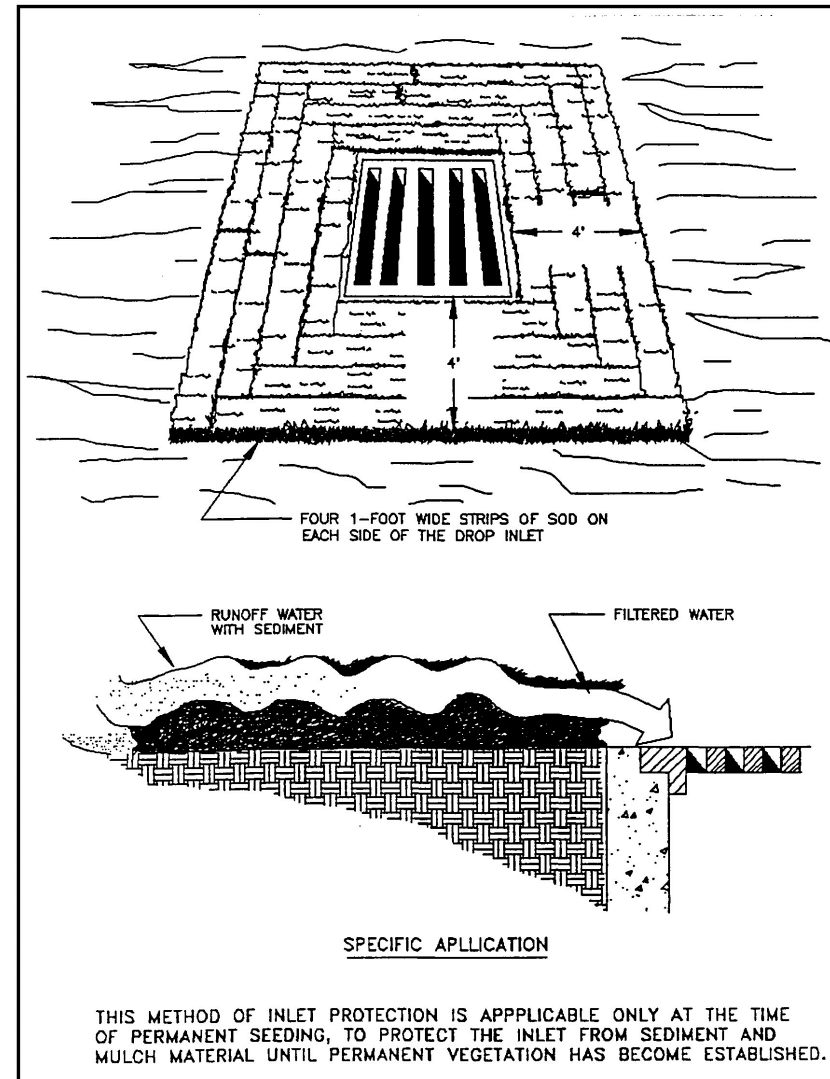


Figure 4.5f. Sod Drop Inlet Sediment Filter

Source: Virginia DSWC

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6.14 Outlet Protection

Definition

Structurally lined aprons or other acceptable energy dissipating devices placed at the outlets of pipes (see Figures 6.14a, 6.14b, and 6.14c) or paved channel sections (see Figure 6.14d). The most common types are riprap aprons or concrete aprons with energy dissipator blocks or walls.

Purposes

To prevent scour at stormwater outlets and to minimize the potential for downstream erosion by reducing the velocity of concentrated stormwater flows.

Conditions Where Practice Applies

Applicable to the outlets of all pipes and paved channel sections where the velocity of flow at design capacity of the outlet exceeds the permissible velocity of the receiving channel or area.

Construction Specifications

Subgrade preparation for all types of outlet protection shall follow the guidelines in EARTHWORK SPECIFICATIONS (in this chapter). Riprap outlet protection aprons shall be installed in accordance with RIPRAP (in this chapter). Underlying geotextiles shall be anchor trenched in at least 6 to 9 inches (15 to 25 cm) and backfilled.



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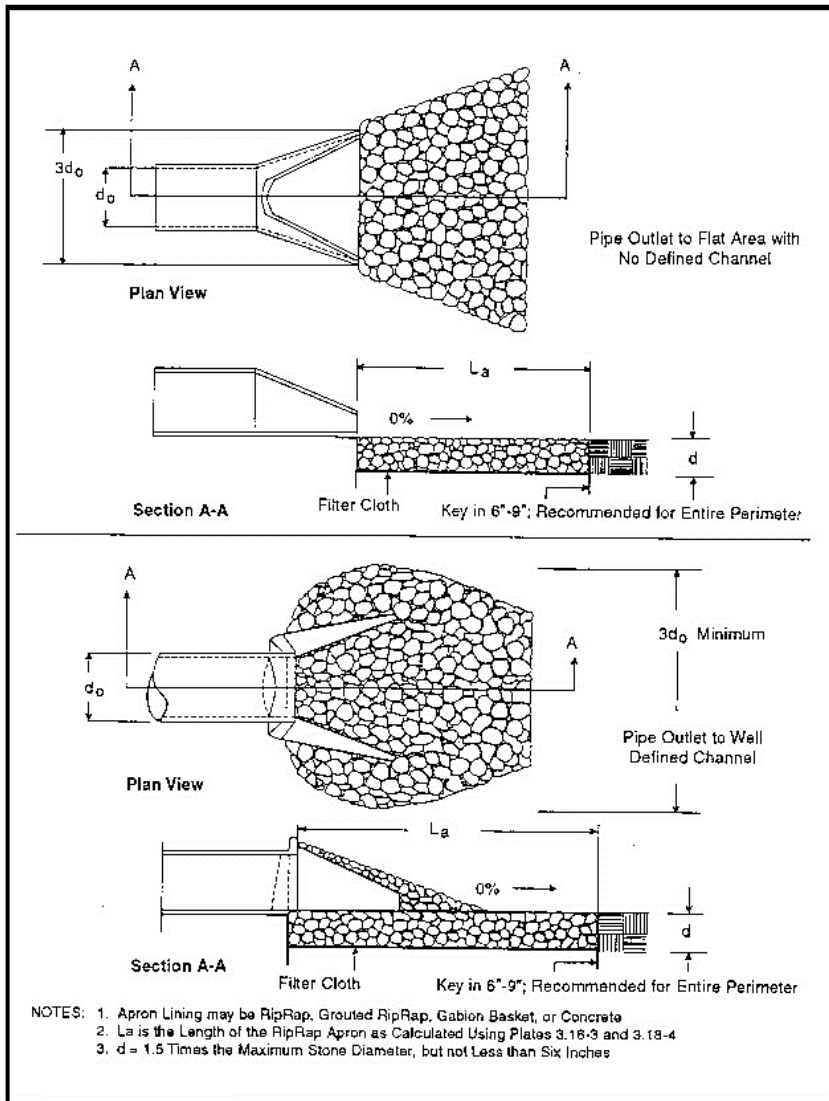


Figure 6.14a. Pipe Outlet Conditions

Source: Virginia DSWC

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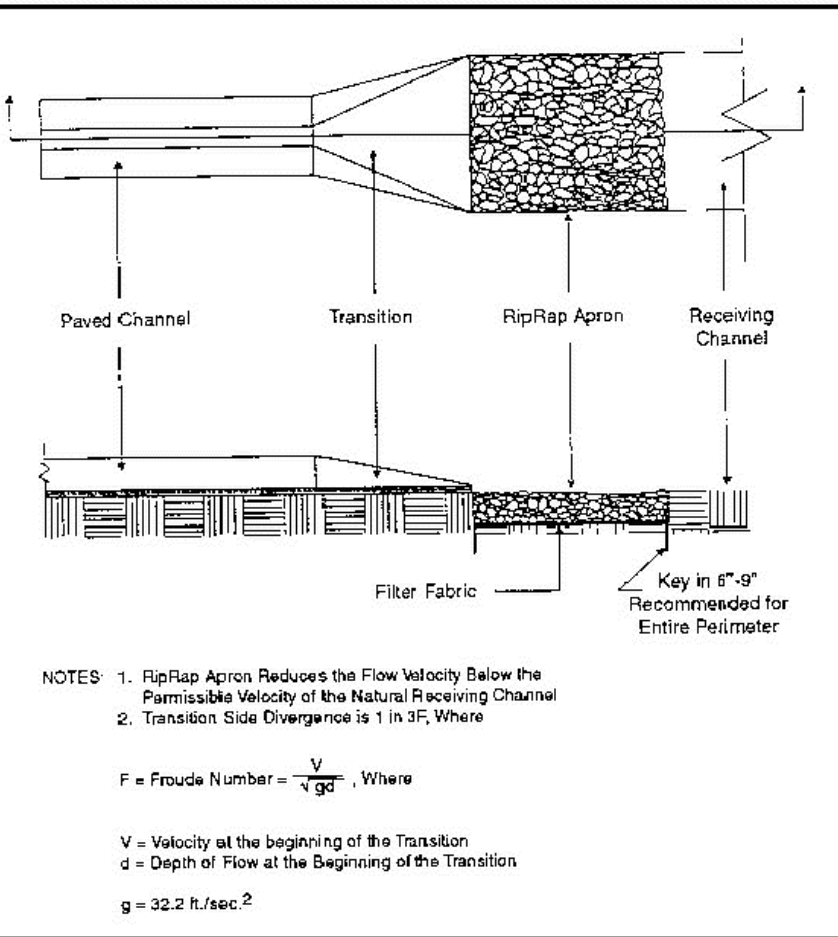
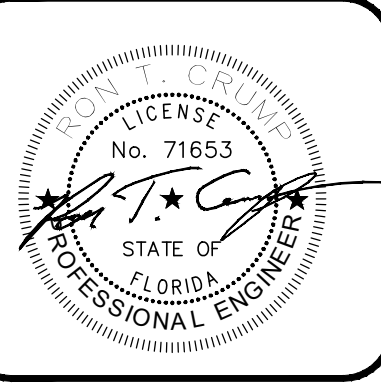


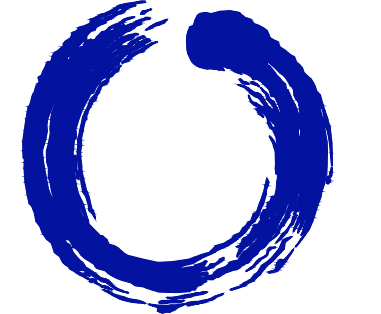
Figure 6.14d. Paved Channel Outlet

Source: Virginia DSWC

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FAMILY DOLLAR		PERMIT PLAN	
ISSUED FOR:	MARION COUNTY	MAJOR SITE PLAN	
JURISDICTION:	MARION COUNTY		
APPLICATION TYPE:	MAJOR SITE PLAN		
LOCATION:	5440 W HWY 318 REDDICK, FL 32686		

#	DATE	REVISIONS
1	01/03/2023	ADDRESS COUNTY COMMENTS
2	02/15/2023	ADDRESS COUNTY COMMENTS
3	03/08/2023	ADDRESS COUNTY COMMENTS
4	04/11/2023	ADDRESS COUNTY COMMENTS

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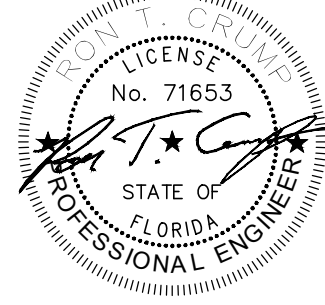
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CHECK: JDR

JOB NO: 22-188
DATE: 09/23/22

EROSION
CONTROL DETAILS

SHEET C602

CHAPTER 7: BEST MANAGEMENT PRACTICES-VEGETATION FOR EROSION CONTROL 7.4 Temporary Seeding Definition The establishment of temporary vegetative cover on disturbed areas by seeding with appropriate, rapidly growing annual plants. Purposes 1. To reduce erosion and sedimentation by stabilizing disturbed areas that will not be brought to final grade within 7 days or more. 2. To reduce problems associated with mud and dust production from bare soil surfaces during construction. Conditions Where Practice Applies Where exposed soil surfaces are not to be fine graded for periods of 7 days or more. Such areas include denuded areas, soil stockpiles, berms, dams, the sides of sediment basins, and temporary road banks. Specifications Prior to seeding, install necessary erosion control practices such as berms, waterways, and basins. Plant Selection Select plants appropriate to the season, region, and site conditions. Consult with your local Agricultural Extension agent, county, FDEP, water management district, or FDOT office, or see Table 1.65a of the Florida Development Manual. Seedbed Preparation To control erosion on bare soil surfaces, plants must be able to germinate and grow. Seedbed preparation is essential. A soil test should be taken to determine liming and fertilization requirements. In the absence of a soil test, the following guidelines apply: 1. Liming – Where soils are known to be highly acid (pH 6.0 and lower), lime should be applied at the rate of 2 tons of pulverized agricultural limestone per acre. 2. Fertilizer – Shall be applied as 217.5 pounds per acre (5 pounds/ 1,000 square feet) (504 kg/ha) of 50% slow-release 10-20-20 or equivalent. Lime and fertilizer shall be incorporated into the top 2 to 4 inches (5 to 10 cm) of the soil. If quick-release nitrogen is used, apply 2 to 3 weeks after seed has sprouted. 3. Surface Roughening – If the area has been recently loosened or disturbed, no further roughening is required. When the area is compacted, crusted, or hardened, the soil surface shall be loosened by discing, raking, harrowing, or other acceptable means (see SURFACE ROUGHENING in this chapter). 229	CHAPTER 7: BEST MANAGEMENT PRACTICES-VEGETATION FOR EROSION CONTROL 4. Tracking – Tracking with bulldozer cleats is most effective on sandy soils. This practice often causes the undue compaction of the soil surface, especially in clayey soils, and does not aid plant growth as effectively as other methods of surface roughening. Seeding Seed shall be evenly applied with a cyclone seeder, drill, cultipacker-seeder, or hydrosower. Small grains shall be planted no more than 1 inch deep. Grasses and legumes shall be planted no more than ¼ inch (6 mm) deep. Mulching 1. Mulch should usually be applied to reduce damage from water runoff or wind erosion, and to improve moisture conditions for seedlings. Mulching without seeding should be considered for very short-term protection. The use of mulch is a judgment decision based on the time of seeding and conditions of individual sites. When used, mulch shall be applied according to MULCHING in this chapter). 2. Seedings made on slopes in excess of 3:1, or on adverse soil conditions, or during excessively hot or dry weather, shall be mulched according to MULCHING in this chapter). 3. Seedings made during optimum spring and summer seeding dates, with favorable soil and site conditions, may not require mulch. Re seeding Areas that fail to establish enough vegetative cover to prevent rill erosion will be filled in with proper topsoil and reseeded as soon as they are identified. 230	CHAPTER 7: BEST MANAGEMENT PRACTICES-VEGETATION FOR EROSION CONTROL 7.5 Permanent Seeding Definition The establishment of perennial vegetative cover on disturbed areas by planting seed. Purposes 1. To reduce erosion and decrease sediment yield from disturbed areas. 2. To permanently stabilize disturbed areas in a manner that is economical and adaptable to site conditions, and that allows the selection of the most appropriate plant materials. Conditions Where Practice Applies 1. Disturbed areas where permanent, long-lived vegetative cover is needed to stabilize the soil. 2. Rough-graded areas that will not be brought to final grade for a year or more. Specifications Selection of Plant Materials 1. The selection of plant materials is based on climate, topography, soils, land use, and planting season. To determine which plant materials are best adapted to a specific site, see Tables 1.66b and 1.66c of the Florida Development Manual, which describe plant characteristics and list recommended varieties. 2. Table 1.66a of the Florida Development Manual lists appropriate seeding mixtures for various site conditions in Florida. These mixtures are designed for general use and are known to perform well on the sites described. Adhere to these mixtures whenever feasible. Check Tables 1.66b and 1.66c for recommended varieties. Seedbed Requirements Vegetation should not be established on slopes that are unsuitable because of inappropriate soil texture, poor internal structure or internal drainage, a high volume of overland flow, or excessive steepness, until measures have been taken to correct these problems. To maintain a good stand of vegetation, the soil must meet certain minimum requirements as a growth medium. The existing soil must meet the following criteria: 1. Enough fine-grained material to maintain adequate moisture and nutrient supply. 231	CHAPTER 7: BEST MANAGEMENT PRACTICES-VEGETATION FOR EROSION CONTROL 2. Sufficient pore space to permit root penetration. A bulk density of 1.2 to 1.5 indicates that sufficient pore space is present. A fine granular or crumb-like structure is also favorable. 3. Sufficient depth to provide an adequate root zone. The depth to rock or impermeable layers such as hardpans shall be 12 inches (30 cm) or more, except on slopes steeper than 2:1, where the addition of soil is not feasible. 4. A favorable pH range for plant growth. If the soil is so acid that a pH range of 6.0 to 7.0 cannot be attained by the addition of pH-modifying materials, then the soil is unsuitable for plant roots. 5. Freedom from toxic amounts of materials harmful to plant growth. 6. Freedom from excessive quantities of roots, branches, large stones, large clods of earth, or trash of any kind. Clods and stones may be left on slopes steeper than 3:1 if they are to be hydrosseeded. If any of the above criteria cannot be met—i.e., if the existing soil is too coarse, dense, shallow, acid, or contaminated to foster vegetation—then topsoil should be applied in accordance with TOPSOILING in this chapter). The necessary mechanical erosion and sediment control practices will be installed prior to seeding. Grading will be carried out according to the approved plan. Surfaces will be roughened in accordance with SURFACE ROUGHENING in this chapter). Soil Conditioners To modify the texture, structure, or drainage characteristics of a soil, the following materials may be added to the soil: 1. Peat shall be sphagnum moss peat, hyprnum moss peat, reed-sedge peat, or peat humus, from freshwater sources. Peat shall be shredded and conditioned in storage piles for at least 6 months after excavation. 2. Sand shall be clean and free of toxic materials. 3. Vermiculite shall be horizontal grade and free of toxic substances. 4. Composted manure shall be stable or cattle manure not containing undue amounts of straw or other bedding materials or toxic chemicals. Phosphorus shall be limited to soil test recommendations. 5. Thoroughly rotted sawdust shall be 6 pounds of nitrogen added to each cubic yard (3.5 kg/m³) and shall be free of stones, sticks, and toxic substances. 6. Where local ordinances permit, treated sewage sludge may be used in accordance with local, state, and federal regulations. The use of treated sewage sludge shall be limited to soil test recommendations. Lime and Fertilizer Lime and fertilizer needs should be determined by soil tests. Soil tests may be performed by the Cooperative Extension Service Soil Testing Laboratory at the University of Florida, or by a reputable commercial laboratory. Information on the state's 232	CHAPTER 7: BEST MANAGEMENT PRACTICES-VEGETATION FOR EROSION CONTROL Soil Testing Laboratory is available from county extension agents. Under unusual conditions where it is not possible to obtain a soil test, the following soil amendments will be applied: LIME: 2 tons per acre finely ground agricultural or dolomitic limestone (90 pounds per 1,000 square feet) (4.48 t/ha) FERTILIZER: Mixed grasses and legumes: 150 pounds per acre of 5-25-10 (3.5 pounds per 1,000 square feet) Legume stands only: 150 pounds per acre of 5-20-10 (3.5 pounds per 1,000 square feet) Grass stands only: 870 pounds per acre of 5-5-10 (1.12 t/ha) and 57 pounds of 38-0-0 in spring (1.3 pounds per 1,000 square feet) 220 pounds per acre of 10-5-10 and 57 pounds of 38-0-0 in fall (1.3 pounds per 1,000 square feet) Other fertilizer formulations may be used, provided they supply the same amounts and proportions of plant nutrients. Lime and fertilizer shall be incorporated into the top 4 to 6 inches (10 to 15 cm) of the soil by discing or other means. When applying lime and fertilizer with a hydrosower, apply to a rough, loose surface. Seeding 1. Certified seed should be used for all permanent seeding whenever possible. 2. Legume seed should be inoculated with the inoculant appropriate to the species. The seed of lespedezas, crown vetch, and clovers should be scarified to promote uniform germination. 3. Apply seed uniformly with a cyclone seeder, drill, cultipacker-seeder, or hydroseder on a firm, friable seedbed. The maximum seeding depth should be ¼ inch. 4. During hydrosseeding, to avoid seed damage, it is recommended that if a machinery breakdown of 30 minutes to 2 hours occurs, 50% more seed be added to the tank, based on the proportion of the slurry remaining in the tank. Beyond 2 hours, a full rate of new seed may be necessary. Often hydrosseeding contractors prefer not to apply lime in their rigs, as it is abrasive. In inaccessible areas, lime may have to be applied in pelletized or liquid form, separately. The rates of wood fiber should be at least 2,000 pounds per acre (2.24 t/ha). Surface roughening is particularly important when hydrosseeding, as a roughened slope provides some natural coverage of lime, fertilizer, and seed. 5. Legume inoculants should be used by the date indicated on the container. When dry seeding, use 4 times the manufacturer's 233
CHAPTER 7: BEST MANAGEMENT PRACTICES-VEGETATION FOR EROSION CONTROL recommended rate, and use 10 times the recommended rate of inoculant when hydrosseeding. Mulching All permanent seeding must be mulched immediately upon the completion of seed application (refer to the extended discussion in MULCHING below). Maintenance of New Seedlings 1. Irrigation – New seedlings should be supplied with adequate moisture. Supply water as needed, especially late in the season, in abnormally hot or dry weather, or on adverse sites. Water application rates should be controlled to prevent runoff. Inadequate amounts of water may be more harmful than no water. 2. Reseeding – Inspect seeded areas for failure and make necessary repairs and reseedings within the same season, if possible: a. If vegetative cover is inadequate to prevent rill erosion, overseed and fertilize in accordance with soil test results. b. If a stand has less than 40% cover, re-evaluate the choice of plant materials and quantities of lime and fertilizer. Re-establish the stand following seedbed preparation and seeding recommendations, omitting lime and fertilizer in the absence of soil test results. NOTE: If vegetation has failed to grow, the soil must be tested to determine if acidity or nutrient imbalances are responsible. 3. Fertilization – Seedlings should be fertilized 1 year after planting to ensure proper stand density: a. To established all-grass stands, apply 300 pounds per acre of 15-0-15 or 15-2-15 slow release (6.7 pounds per 1,000 square feet) between August 15 and November 15 (the first fall following seeding). b. To legume-and-grass stands or pure legume stands, apply 150 pounds per acre of 0-20-20 (3.5 pounds per 1,000 square feet) in early May, or between August 15 and October 15. GENERALLY, A STAND OF VEGETATION IS NOT DETERMINED TO BE FULLY ESTABLISHED UNTIL SOIL COVER HAS BEEN MAINTAINED FOR 1 FULL YEAR FROM PLANTING. DISTURBED AREAS THAT ARE TO BE STABILIZED WITH PERMANENT VEGETATION MUST BE SEEDD OR PLANTED WITHIN 15 DAYS AFTER FINAL GRADE IS REACHED, UNLESS TEMPORARY STABILIZATION IS APPLIED. 234				



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FAMILY DOLLAR®	
ISSUED FOR:	PERMIT PLAN
JURISDICTION:	MARION COUNTY
APPLICATION TYPE:	MAJOR SITE PLAN
LOCATION:	5440 W HWY 318 REDDICK, FL 32686

#	DATE	REVISIONS
1	01/03/2023	ADDRESS COUNTY COMMENTS
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3	03/08/2023	ADDRESS COUNTY COMMENTS
4	04/11/2023	ADDRESS COUNTY COMMENTS

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CHECK: JDR

JOB NO: 22-188
DATE: 09/23/22

EROSION
CONTROL DETAILS

SHEET C603

GENERAL NOTES:

1. Work this Index with Index 425-001 and Index 425-010.

2. When steel is placed in areas subject to negative traffic, install filter bar when clearance on top is greater than 1/2" as shown in Index 425-031.

3. These inlets may be used with Alternative B structure bottoms, Index 425-010.

4. Chamfer all exposed edges and corners 1/4" chamfer or rounded to 1/4" radius.

5. See Index for supplemental details.

6. Reinforcing bars are Grade 60 with 2" minimum cover unless otherwise noted. Cut or bend bars for 12" clearance around pipe opening. Provide one additional #4 bar above and at each side of pipe opening as shown.

7. Dimensions are for both precast and cast-in-place inlets unless otherwise noted.

8. Quantities are for informational and estimating purposes only.

TABLE OF CONTENTS:

Sheet	Description
1	General Notes and Contents
2	Type F - Dimensional, Reinforcing, and Grate Details
3	Type G - Dimensional, Reinforcing, and Grate Details
4	Concrete apron and Solder Area Details

DITCH BOTTOM INLET TYPE F

(Type G Similar, Pipe Connection Not Shown)

LAST REVISION: 11/01/20

DESCRIPTION: DITCH BOTTOM INLET TYPE F AND G

INDEX: 425-053

SHEET: 1 of 4

TABLE 3
SOD AND CONCRETE QUANTITIES

INLET	CONCRETE (CY)	SOD W/CONCRETE (CY)	SOD ONLY (CY)
F	0.43	10	6
G	0.34	9	7

GENERAL NOTES:

1. Concrete Apron to be installed only where called for in the Plans.

2. Sods always required.

DETAIL "A"

Side View

PLAN

SECTION F-I AND DITCH BLOCK DETAIL

LAST REVISION: 11/01/20

DESCRIPTION: DITCH BOTTOM INLET TYPE F AND G

INDEX: 425-053

SHEET: 4 of 4

NOTES:

1. Steel Grates are required on inlets with traversable (SOD) and on inlets where heavy traffic is anticipated.

2. Cast Iron Grates are not permitted on Inlet Type D.

TYPE C

Approx. 250 lbs.

TYPE E

Approx. 350 lbs.

TYPE H (3-Grate Inlet)

Approx. 125 lbs.

TYPE H (4-Grate Inlet)

Approx. 300 lbs.

DETAIL "A"

(Typical Section)

CAST IRON GRATE DETAILS

LAST REVISION: 11/01/20

DESCRIPTION: DITCH BOTTOM INLET TYPE C, D, E, AND H

INDEX: 425-052

SHEET: 7 of 14

NOTES:

1. The Grate, Concrete Apron, and Sods are shown on this plan view. See Sheet 4 for Concrete Apron and Solder Area details.

2. Construction joints permitted between these inlets. See Index 425-001 for minimum dimensions.

PLAN

DETAIL "A"

Side View

SECTION A-A

(Pipe Opening Not Shown)

SECTION B-B

(Pipe Opening Not Shown)

SECTION C-C

SECTION D-D

SECTION E-E

STEEL GRATE DETAIL

TABLE 1
HORIZONTAL WALL REINFORCING SCHEDULE

WALL DEPTH	SCHEDULE	AREA (IN ² /FT)	MAX. SPACING BARS	MAX. SPACING BARS
0 - 4	A12	0.200	12"	8"
4 - 7	A6	0.200	8"	8"
7 - 12	B5.5	0.240	10"	8"
12 - 15	Special 1	0.260	5"	8"

TYPE F - DIMENSIONAL, REINFORCING, AND GRATE DETAILS

LAST REVISION: 11/01/20

DESCRIPTION: DITCH BOTTOM INLET TYPE F AND G

INDEX: 425-053

SHEET: 2 of 4

GENERAL NOTES:

1. Work this Index with Index 425-001 and Index 425-010.

2. Chamfer all exposed edges and corners 1/4" chamfer or rounded to 1/4" radius.

3. All reinforcing is Grade 60 with 2" minimum cover unless otherwise noted. Cut or bend bars for 12" clearance around pipe opening. Provide one additional #4 bar above and at each side of pipe opening.

4. Use Concrete Apron on inlets without steel and inlets with non-traversable inlets only where called for in the Plans.

5. Quantities are for informational and estimating purposes only.

TABLE OF CONTENTS:

Sheet	Description
1	General Notes and Contents
2	Type C - Dimensional, Reinforcing, and Grate Details
3	Type D - Dimensional, Reinforcing, and Grate Details
4	Type E - Dimensional, Reinforcing, and Grate Details
5	Type H (3-Grate) - Dimensional, Reinforcing, and Steel Grate Details
6	Type H (4-Grate) - Dimensional, Reinforcing, and Steel Grate Details
7	Cast Iron Grate Details
8	Non-Traversable Inlet Details
9	Traversable Inlet Without Sods Details
10	Traversable Inlet With Sods Details
11	Case 1 - Add Traversable Sods to Existing Inlets
12	Case 2 - Add Traversable Sods (Partial) to Existing Inlets
13	Case 3 - Add Traversable Sods (Partial) to Existing Inlets and Ditch Block
14	Alternative A Structure Bottom - "Top Sods Detail"

DITCH BOTTOM INLET TYPE C

TRAVERSABLE

(Without Sods - Type D, E, and H Similar, Pipe Connection Not Shown)

DITCH BOTTOM INLET TYPE C

NON-TRAVERSABLE

(Sods > 7" Shown - Type D, E, and H Similar, Pipe Connection Not Shown)

DITCH BOTTOM INLET TYPE C

TRAVERSABLE

(Single Sods < 7" Shown, Double Sods, Type D, and E Similar, Pipe Connection Not Shown)

TABLE 1
HORIZONTAL WALL REINFORCING SCHEDULE

WALL DEPTH	SCHEDULE	AREA (IN ² /FT)	MAX. SPACING BARS	MAX. SPACING BARS
0 - 18	A12	0.200	12"	8"

TYPE C - DIMENSIONAL, REINFORCING, AND STEEL GRATE DETAILS

LAST REVISION: 11/01/20

DESCRIPTION: DITCH BOTTOM INLET TYPE C, D, E, AND H

INDEX: 425-052

SHEET: 1 of 14

TABLE 6
SOD ONLY QUANTITIES

Inlet Type	Sod	Cone	CY
C	6	0	0.30
D	6	0	0.36
E	7	0	0.37
H	8	0	0.45

TABLE 7
SOD AND CONCRETE APRON QUANTITIES

Inlet Type	Sod	Cone	CY
C	6	0.30	
D	6	0.36	
E	7	0.37	
H	8	0.45	

PLAN

SECTION V-V

SECTION U-U

SECTION W-W

SECTION X-X

SECTION Y-Y

SECTION Z-Z

SODDING ONLY

(Sods Shown, Non-Sod Similar)

SODDING AND PAVEMENT

(Sods Shown, Non-Sod Similar)

NOTES:

1. Concrete Apron installed only where called for in the Plans.

2. Sods always required.

3. Sods are not permitted on inlets with grate inlets.

NON-TRAVERSABLE INLET DETAILS

LAST REVISION: 11/01/20

DESCRIPTION: DITCH BOTTOM INLET TYPE C, D, E, AND H

INDEX: 425-052

SHEET: 8 of 14

NOTES:

1. Grate, Concrete Apron, and Sods are shown in Plan view.

2. See Sheet 4 for Concrete Apron and Solder Area details.

3. Construction joints permitted between these inlets. See Index 425-001 for minimum dimensions.

PLAN

DETAIL "A"

Side View

SECTION A-A

(Pipe Opening Not Shown)

SECTION B-B

(Pipe Opening Not Shown)

SECTION C-C

SECTION D-D

SECTION E-E

SECTION F-F

SECTION G-G

SECTION H-H

STEEL GRATE DETAIL

TABLE 2
HORIZONTAL WALL REINFORCING SCHEDULE

WALL DEPTH	SCHEDULE	AREA (IN ² /FT)	MAX. SPACING BARS	MAX. SPACING BARS
0 - 2	A12	0.200	12"	8"
2 - 7	A6	0.200	8"	8"
7 - 10	B5.5	0.240	10"	8"
10 - 15	C8.5	0.320	10"	8"

TYPE G - DIMENSIONAL, REINFORCING, AND GRATE DETAILS

LAST REVISION: 11/01/20

DESCRIPTION: DITCH BOTTOM INLET TYPE F AND G

INDEX: 425-053

SHEET: 3 of 4

GENERAL NOTES:

1. Grate, Concrete Apron, and Sods are shown in Plan view.

2. See Sheet 4 for Concrete Apron and Solder Area details.

3. Construction joints permitted between these inlets. See Index 425-001 for minimum dimensions.

PLAN

DETAIL "A"

Side View

SECTION A-A

(Pipe Opening Not Shown)

SECTION B-B

(Pipe Opening Not Shown)

SECTION C-C

SECTION D-D

SECTION E-E

SECTION F-F

SECTION G-G

SECTION H-H

STEEL GRATE DETAIL

TABLE 1
HORIZONTAL WALL REINFORCING SCHEDULE

WALL DEPTH	SCHEDULE	AREA (IN ² /FT)	MAX. SPACING BARS	MAX. SPACING BARS
0 - 18	A12	0.200	12"	8"

TYPE C - DIMENSIONAL, REINFORCING, AND STEEL GRATE DETAILS

LAST REVISION: 11/01/20

DESCRIPTION: DITCH BOTTOM INLET TYPE C, D, E, AND H

INDEX: 425-052

SHEET: 2 of 14

CONTINEO GROUP

7555 COMMERCE DRIVE

SUITE 800

DECATUR, GA 30030

770.335.7403

www.fcg.engineer

PANNENBIER

1355 TERRELL MILL ROAD, BLDG 1470, STE 100, MARIETTA, GA 30067

PHONE: (770) 850-9393

FAMILY DOLLAR

ISSUED FOR: PERMIT PLAN

JURISDICTION: MARION COUNTY

APPLICATION TYPE: MAJOR SITE PLAN

LOCATION: 5440 W HWY 318 REDDICK, FL 32686

#

DATE

REVISIONS

1

01/03/2023

ADDRESS COUNTY COMMENTS

2

02/15/2023

ADDRESS COUNTY COMMENTS

3

03/08/2023

ADDRESS COUNTY COMMENTS

4

04/17/2023

ADDRESS COUNTY COMMENTS

DRAWN: AAA

CHECK: JDR

JOB NO: 22-188

DATE: 09/23/22

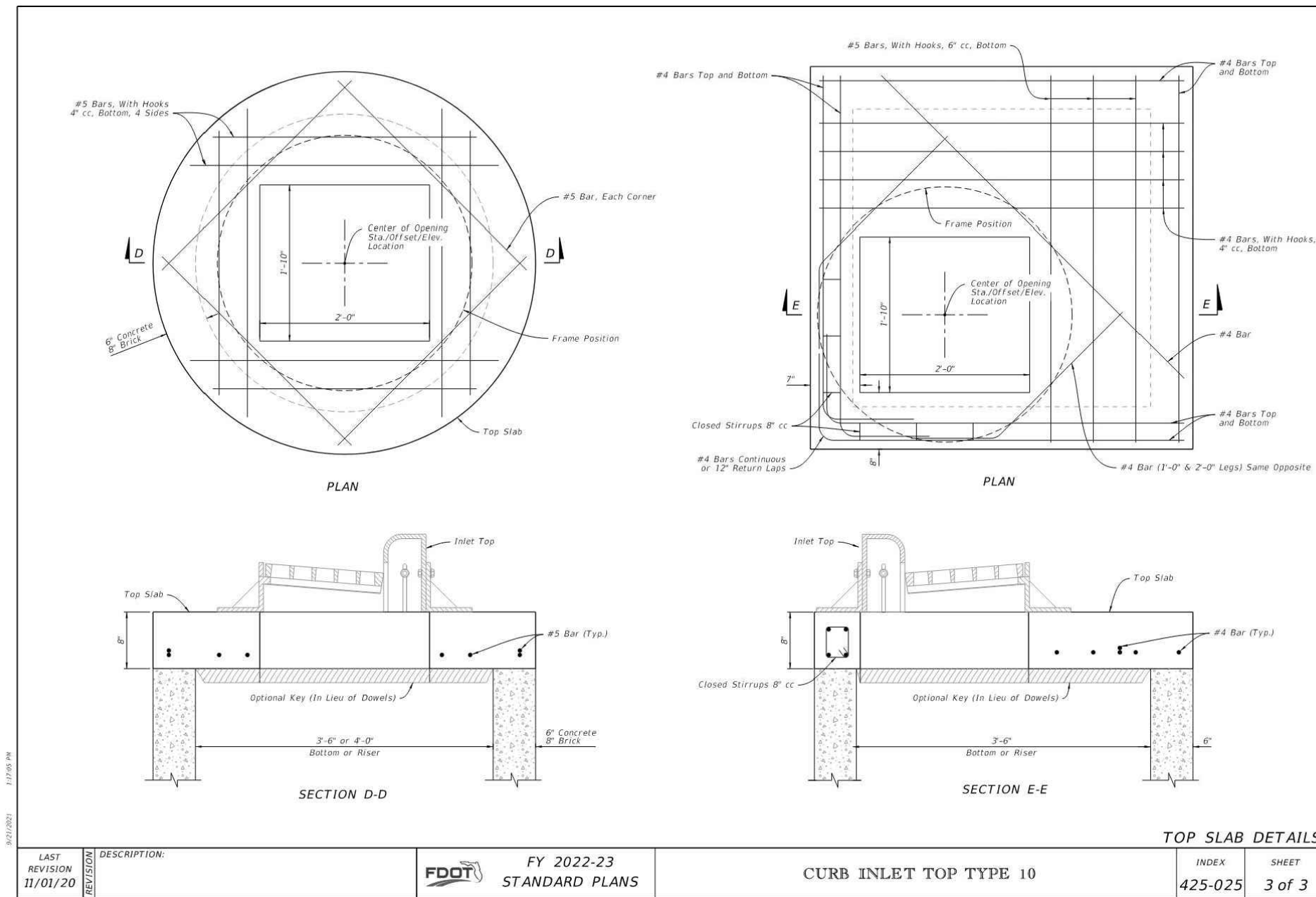
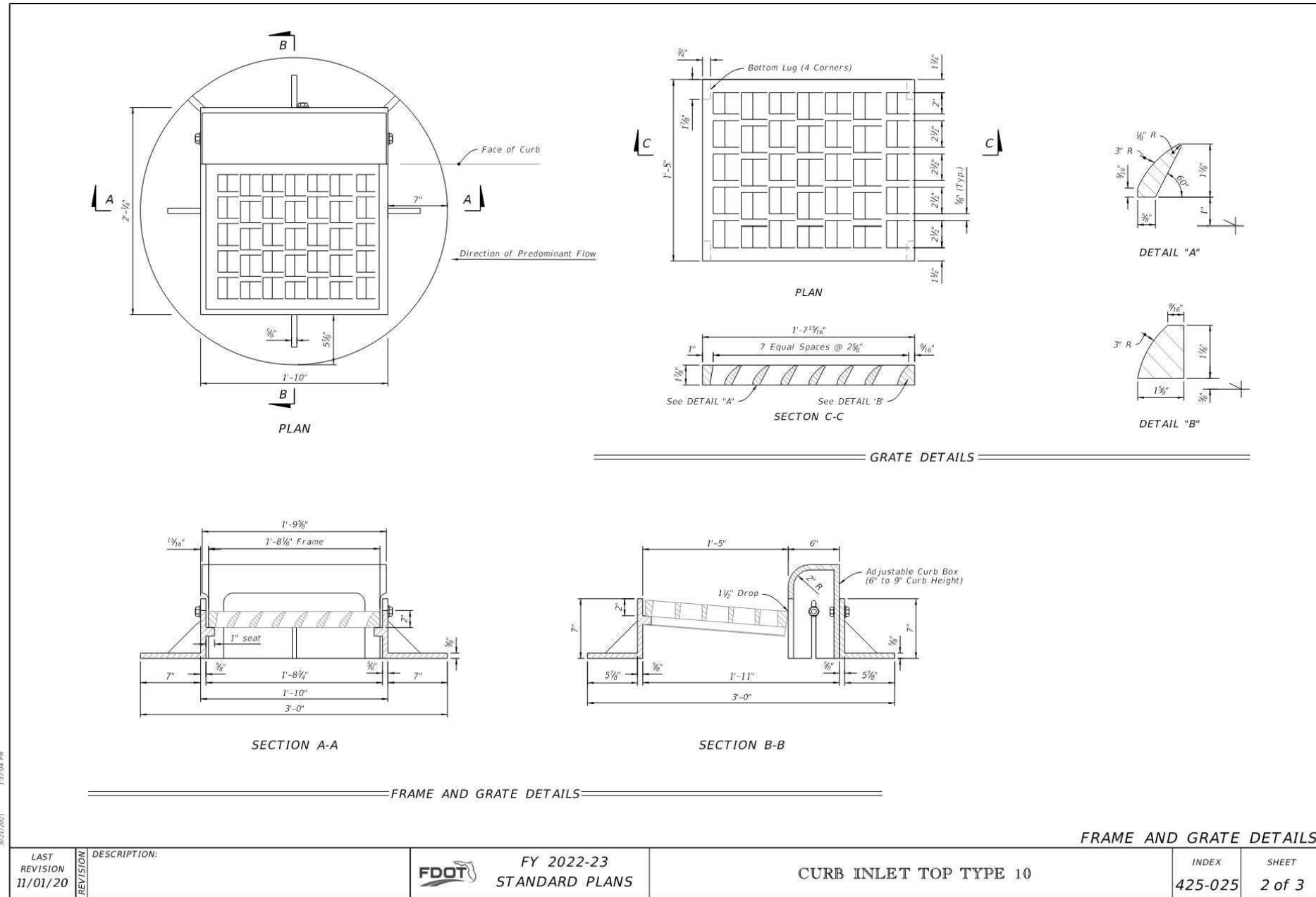
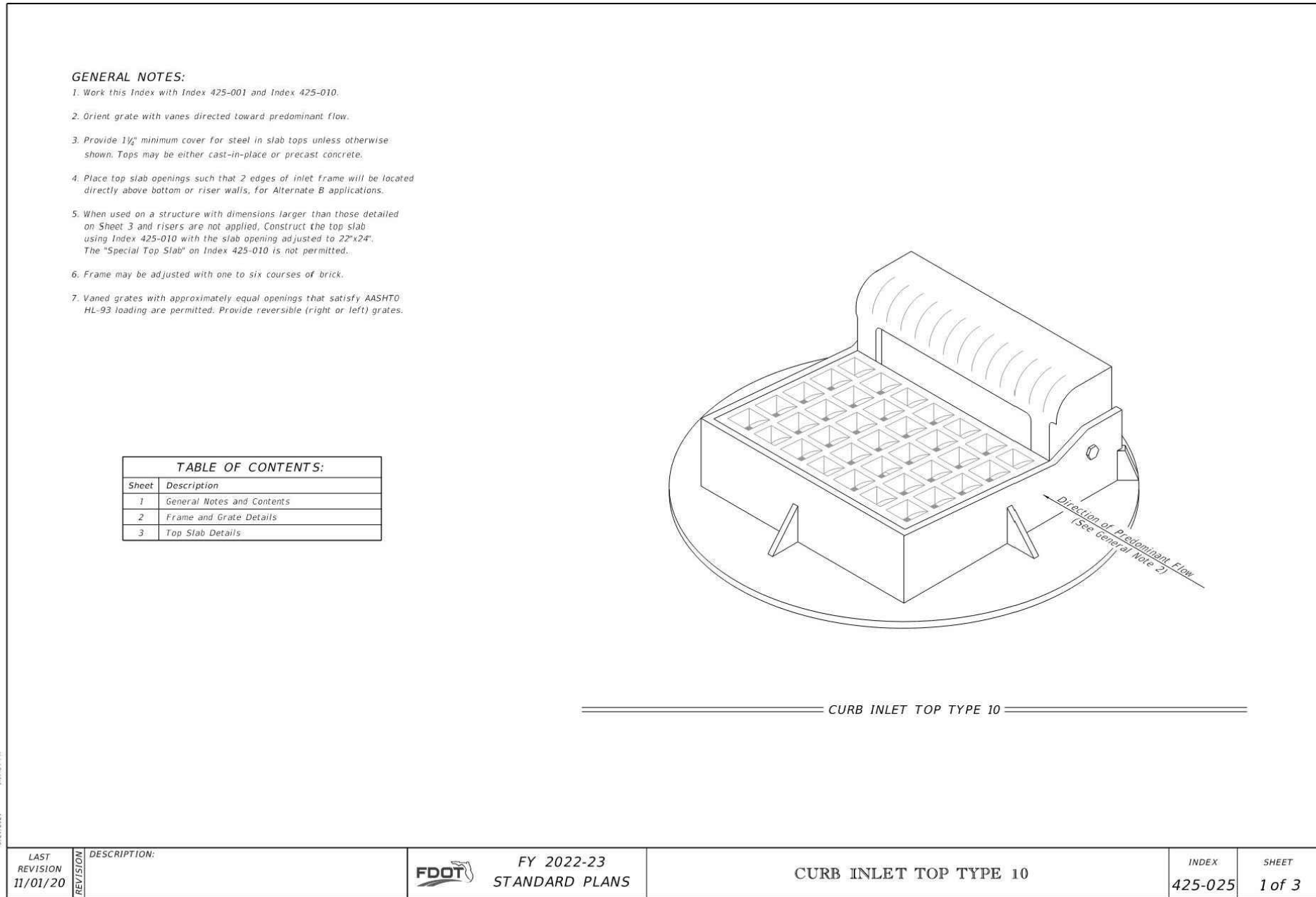
STANDARD DETAILS

SHEET C700

#	DATE	REVISIONS
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2	02/15/2023	ADDRESS COUNTY COMMENTS
3	03/08/2023	ADDRESS COUNTY COMMENTS
4	04/17/2023	ADDRESS COUNTY COMMENTS

DRAWN: AAA	CHECK: JDR
JOB NO: 22-188	DATE: 09/23/22

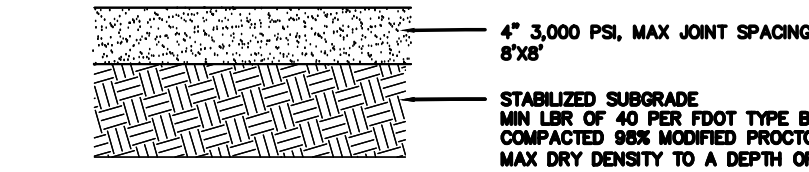
STANDARD DETAILS
SHEET C700



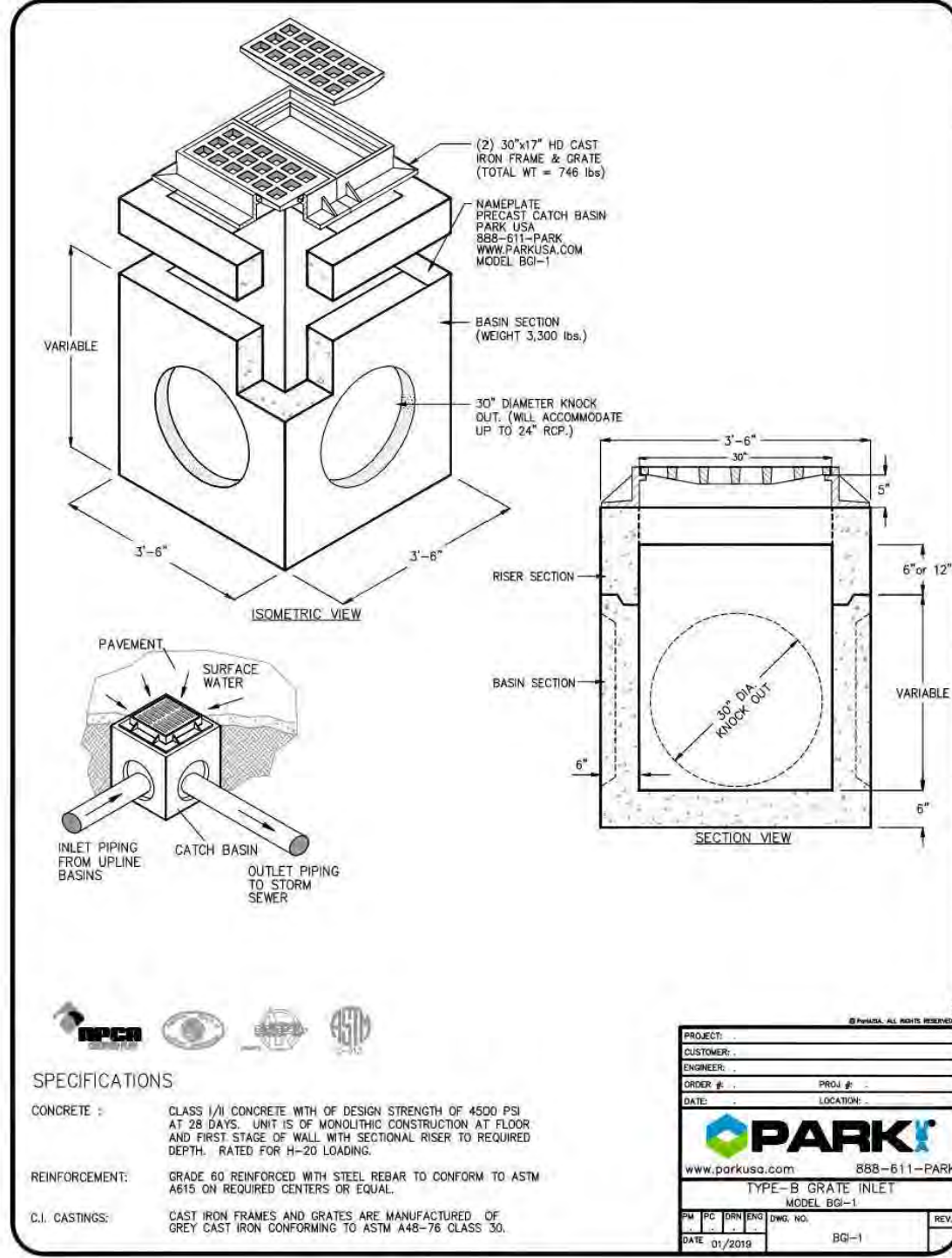
ASPHALT PAVEMENT SECTION
(PLEASE REFER TO GEOTECH REPORT FOR MORE DETAILS)

TABLE 4
MINIMUM ASPHALTIC PAVEMENT COMPONENT THICKNESSES

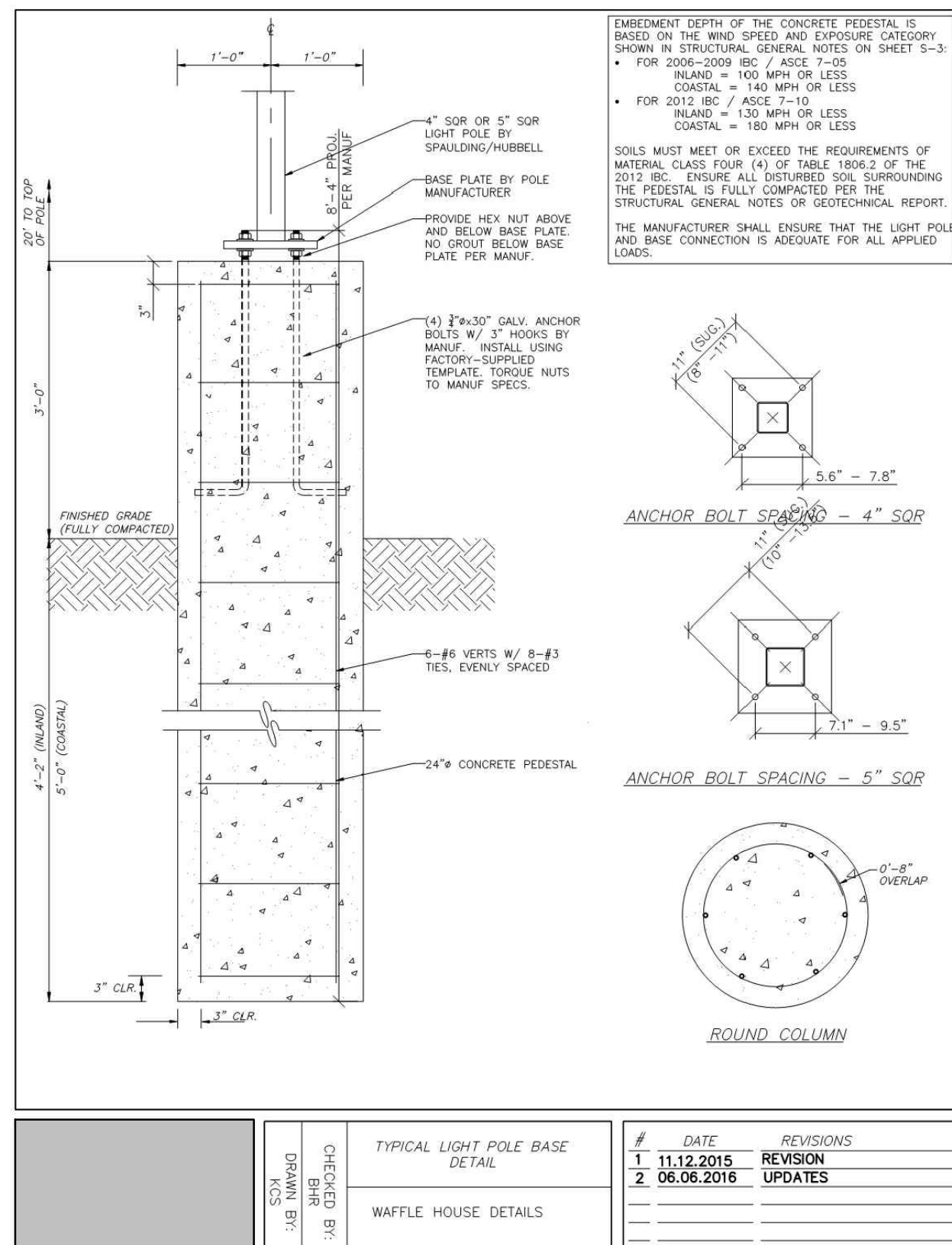
Service Level	Layer Component		
	Surface Course (inches)	Base Course (inches)	Stabilized Subgrade (inches)
Light Duty (Automobile Traffic)	1½	6	12
Heavy Duty (Truck Drives)	2	8	12



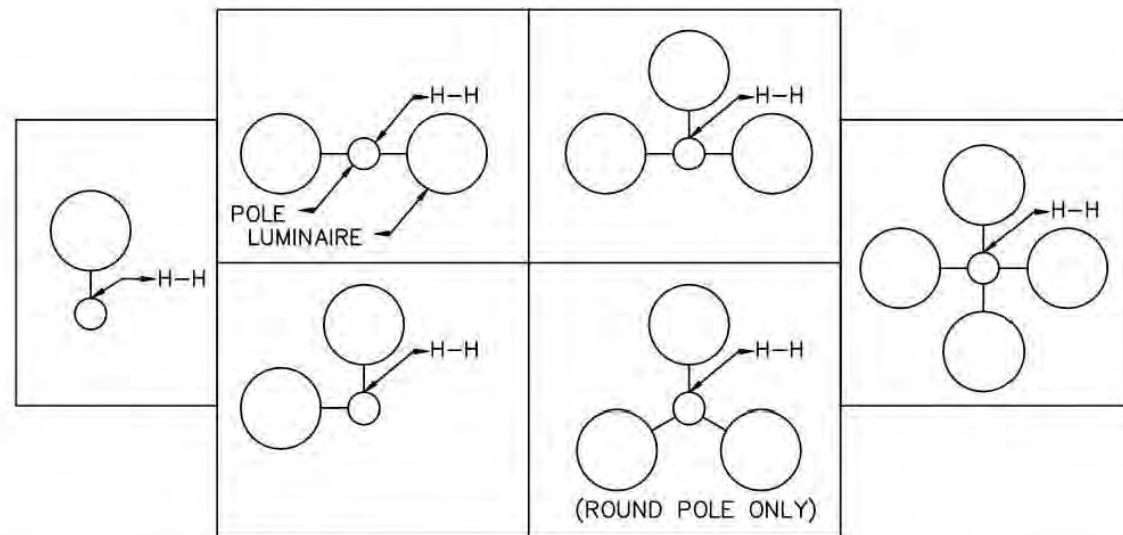
SIDEWALK CONCRETE DETAIL
NTS



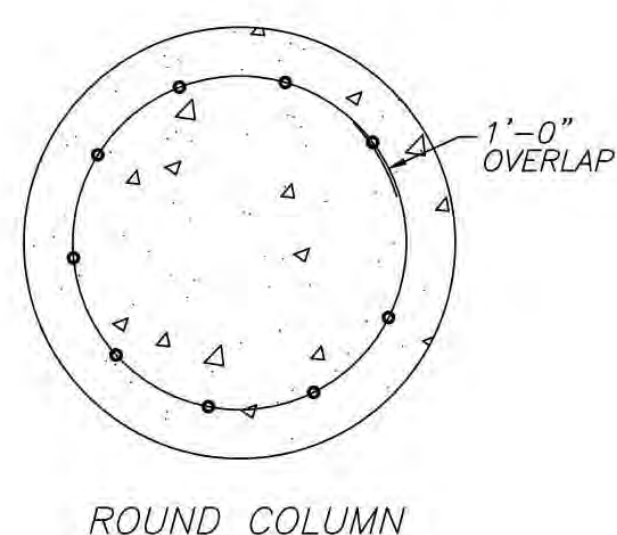
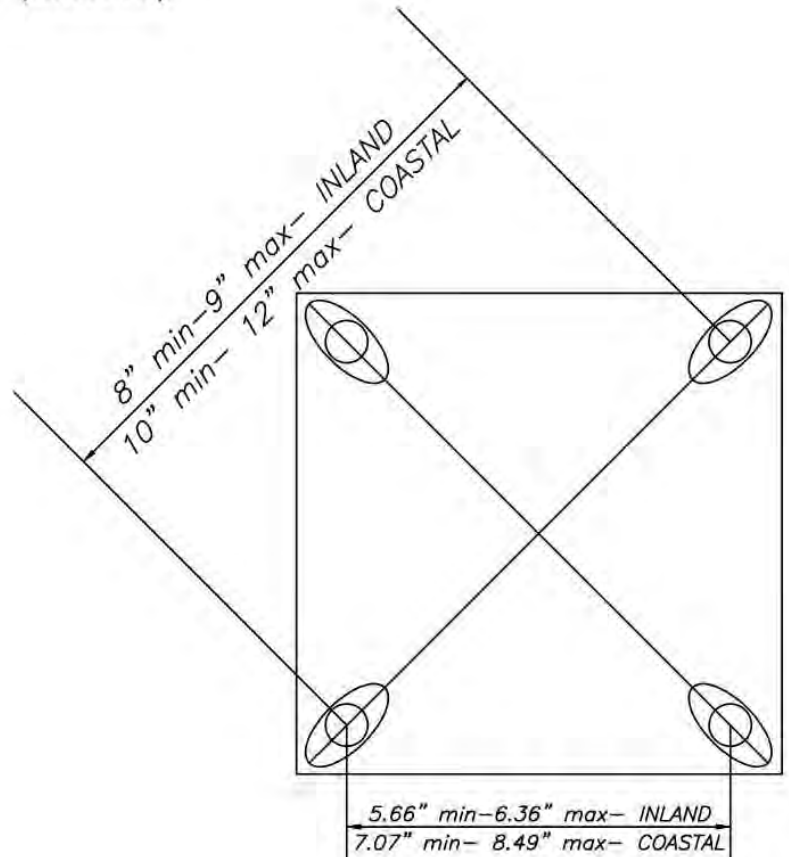
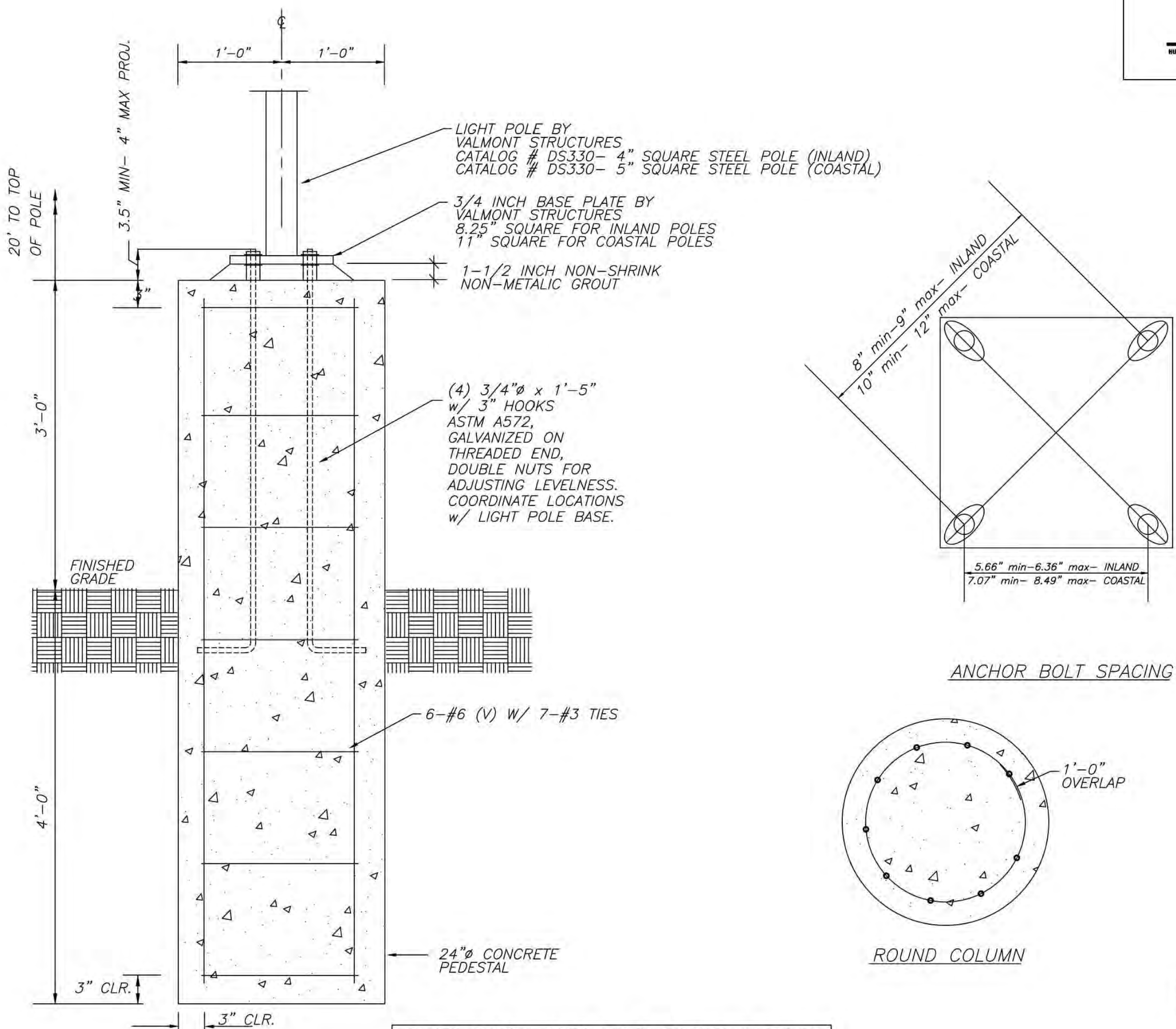
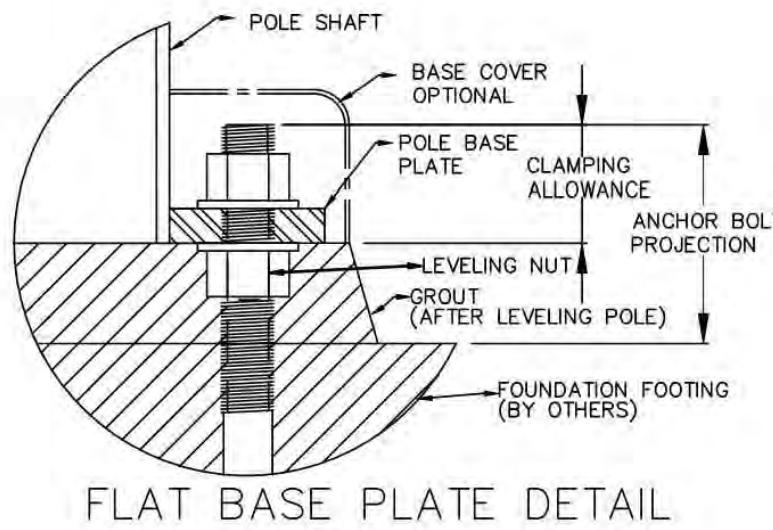
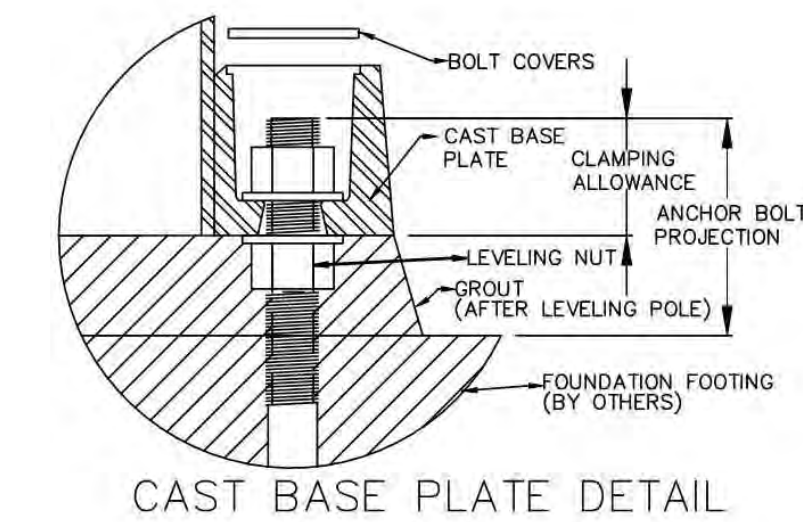
		
CONTINEO GROUP 755 COMMERCE DRIVE SUITE 800 DECATUR, GA 30030 770.335.9403 www.fcg.engineer		
		
 PANNENBER PANNENBER, LLC 1355 TERRELL MILL ROAD, BLDG 1470, STE 100, MARIETTA, GA 30067 PHONE: (770) 850-9393		
FAMILY DOLLAR®		
ISSUED FOR:	PERMIT PLAN	
JURISDICTION:	MARION COUNTY	
APPLICATION TYPE:	MAJOR SITE PLAN	
LOCATION:	5440 W HWY 318 REDDICK, FL 32866	
#	DATE	REVISIONS
1	01/03/2023	ADDRESS COUNTY COMMENTS
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DRAWN: AAA		CHECK: JDR
JOB NO: 22-188	DATE: 09/23/22	
STANDARD DETAILS		
SHEET C702		



ANCHOR BOLT DIAMETER	RECOMMENDED TIGHTENING TORQUE (MINIMUM)
3/4"	135 FOOT LBS.



POLE DESCRIPTION	BOLT DIAMETER	BOLT CIRCLE (B.C.)	CLAPPING ALLOWANCE		ANCHOR BOLT PROJECTION
			MIN.	MAX.	
SSS-XX-50 LESS THAN 25'	3/4"	10-1/2"	2"	3-1/8"	4"



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ACORN® - PAREN®
Waffle House®
A Division of Waffle House, Inc.

Job Name:
Waffle House

Catalog Number:
MHS-K300ZP BL

Notes

Type:

ACORN®-PAREN®

MINILITE® V SERIES

Job #

Alt

Type

Approval

APPLICATIONS

- Sign, facade, area, accent and safety lighting.
- **FEATURES:**
 - Die cast aluminum housing and base, rugged, corrosion resistant and anodized.
 - Translucent, impact resistant, clear lens.
 - Tool-free easy to raise/reposition - lens tiltable about azimuth; hinged.
 - Silicone weather gasket creates airtight seal.
 - Built-in (IMC) with built-in three-point adjustable remote mounting.
 - Cast aluminum housing (IMC) only has 20" ID mounting; provides concealed wiring for appearance and safety.
 - Will operate under high ambient air for maximum beam coverage.
 - Spot colors are not heat sensitive.
 - IP67 rating (NEMA Type 12) (UL 94V-0) (UL 1877) at 40W.
 - Protective die bronze powder paint finish.
 - Remote lamp sold separately.
 - Choose finished Area (FPA) & 1/4" hole cut.

LISTINGS

- Call Luminaire to UL 1876, Class 2, 2 W, 250-0°C suitable for wet locations.
- U.S. Patent No. 6,461,026.

MHS KNOCKOUT HOLE

MHS TUNE MOUNT

A	B	C	D	E
100mm	380mm	120mm	281mm	452mm
3.9"	15"	4.7"	11"	17.8"
38mm	14mm	22mm	42mm	mm

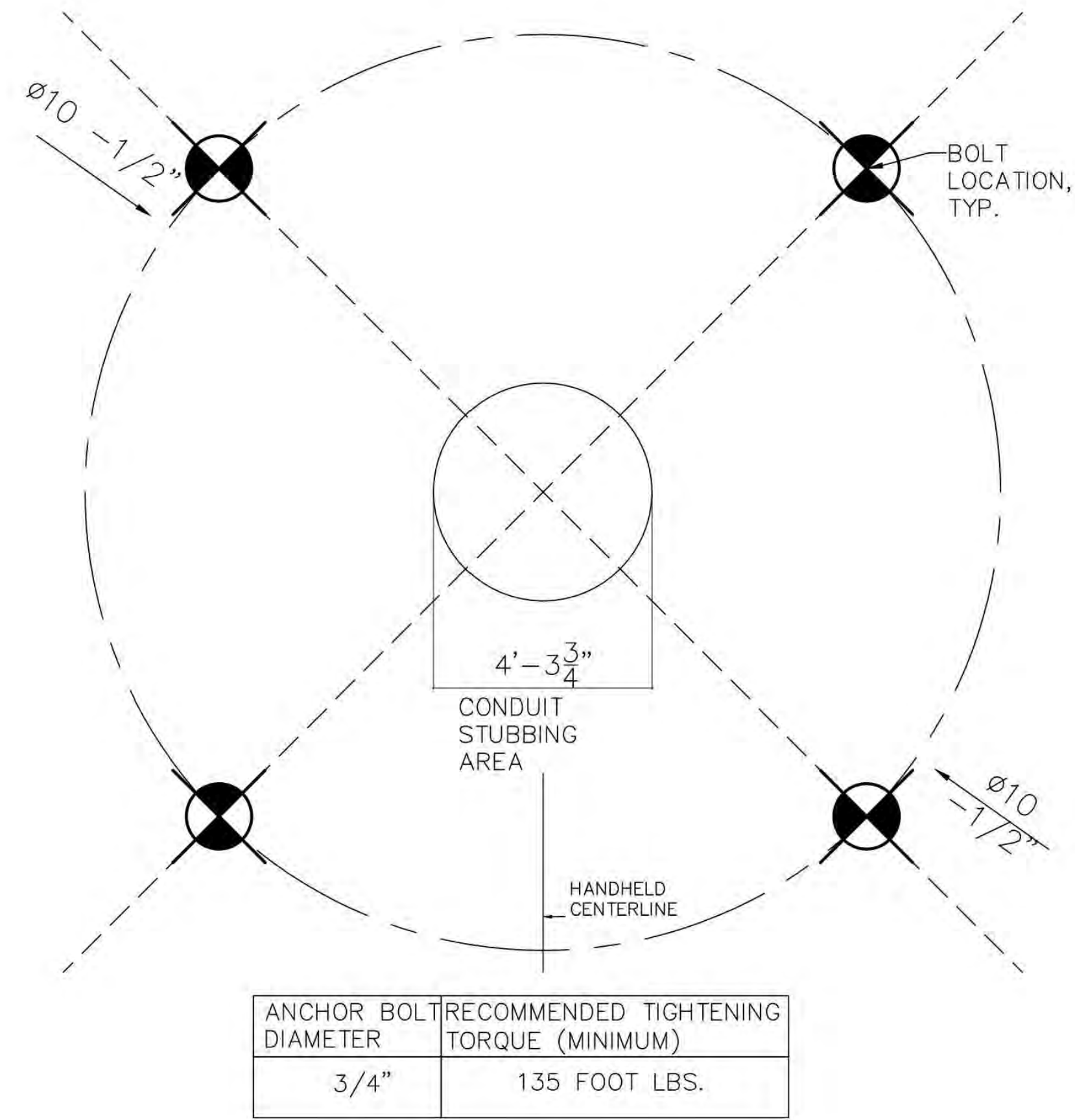
ORDERING INFORMATION

Catalog Number	Lens /Optic/Finish	Wattage	Weight cm. lbs.
PULSE START METAL HALIDE PULSE START			
MHS-5000P2	40W PS E18	Quartz Taper	26 11.8
MHS-5000P4	40W PS E18 @ 4° PS	Quartz Taper	26 11.8
MHS-5000P5	40W PS E18@7	ISO	26 11.8
MHS-5000P6	40W PS E18@30	Quartz Taper	26 11.8
MHS-5000P8	40W PS E18	Quartz Taper	27 10.5
MHS-5000P	40W PS E18@30	Quartz Taper	31 3.5
PULSE START METAL HALIDE BRILLIANT			
MHS-5000B2	40W PS E18	Quartz Taper	31 14.1
MHS-5000P3	40W PS E18	Quartz Taper	31 14.1
MHS-5000B4	40W PS E18@30	Quartz Taper	27 12.2
MHS-5000B5	40W PS E18@7	Quartz Taper	26 11.8
MHS-5000P-BL	40W PS E18@30	Quartz Taper	31 14.1
RETRACTABLE PULSE PRESSURE COGNATE			
MHS-5000P6-BL	40W PS E18 @ 4° PS	Quartz Taper	26 12.7
MHS-5000P7	40W PS E18	Quartz Taper	26 11.8
MHS-5000P8	40W PS E18	Quartz Taper	26 11.8
MHS-5000P9	40W PS E18	Quartz Taper	27 10.5
MHS-5000P10	40W PS E18	Quartz Taper	28 10.7
RETRACTABLE PULSE PRESSURE COGNATE			
MHS-5000B6	40W PS E18	Quartz Taper	31 15.0
MHS-5000B7	40W PS E18	Quartz Taper	31 15.0
ESTABLISH			
MHS-5000B8	40W PS E18	Quartz Taper	31 15.0
MHS-5000B9	40W PS E18	Quartz Taper	31 15.0

Notes: 1) Minimum 10' from Power Source (2' from end of ground wire) to fixture.
2) Note UL 1876, Class 2, 2 W, 250-0°C suitable for wet locations.

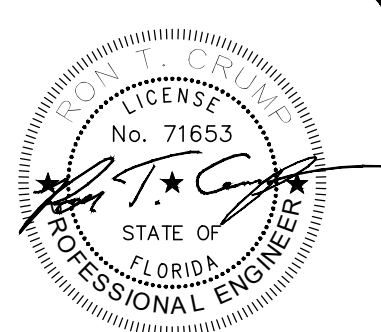
HUBBELL OUTDOOR LIGHTING

SHEET # MHS-SPEC020V

[illegible]

ANCHOR BOLT DIAMETER	RECOMMENDED TIGHTENING TORQUE (MINIMUM)
3/4"	135 FOOT LBS.

PARKING LOT FLOOD LIGHT DETAIL
N.T.S.



CONTINEO GROUP
755 COMMERCE DRIVE
SUITE 800
DECATUR, GA 30030
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PANNENBERG

PANNENBERG, LLC
 1355 TERRELL MILL ROAD, BLDG
 1470, STE 100, MARIETTA, GA 30067
 PHONE: (770) 850-9393

ISSUED FOR:	PERMIT PLAN
JURISDICTION:	MARION COUNTY
APPLICATION TYPE:	MAJOR SITE PLAN
LOCATION:	5440 W HWY 318 REDDICK, FL 32686

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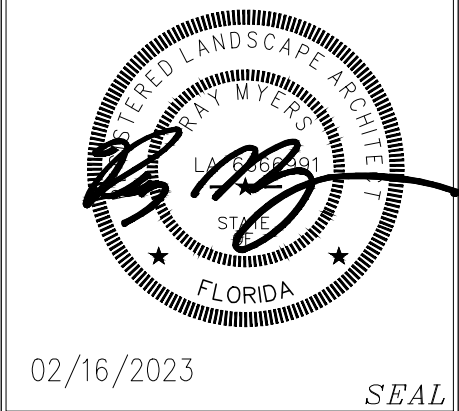
DRAWN:	CHECK:
AAA	JDR

JOB NO:	DATE:
22-188	09/23/22

STANDARD DETAILS

SHEET C703

REVISIONS
REVISED 2-16-2023



IRRIGATION
PLAN

FAMILY DOLLAR
MCINTOSH, FLORIDA

DATE 09-20-2022
JOB NO.
SCALE
DRAWN BY MAW
CHKD BY MAW

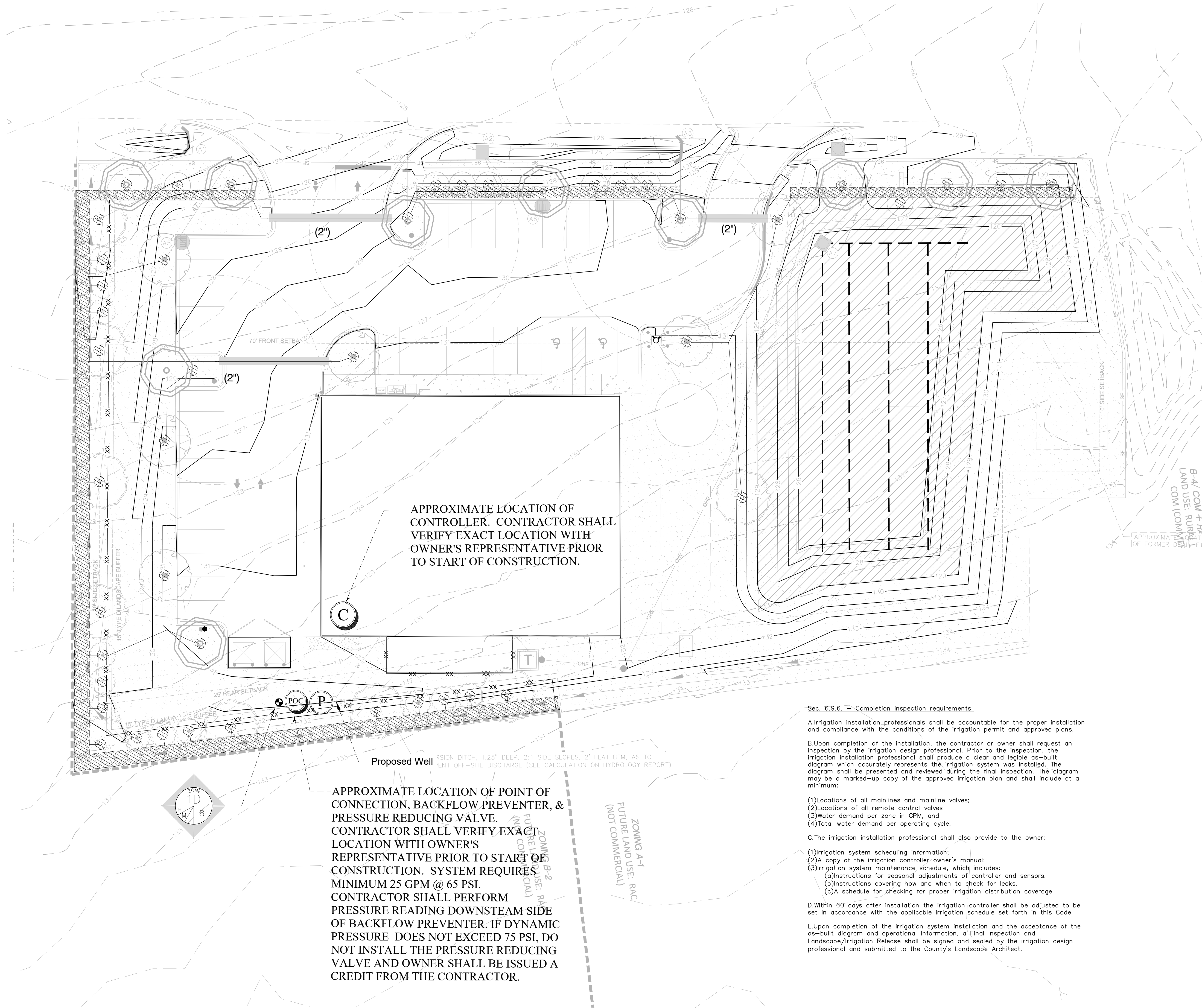
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WRITTEN CONSENT.

RAA DESIGN

SHEET

IR-1

3 OF 4



- LEGEND**
- RUN CHECK HEAD - SEE DRIP DETAIL
 - RAIN BIRD XCZ-150 COM ZONE CONTROL KIT. INSTALL IN CARSON JUMBO RECTANGLE VALVE BOX.
 - RAIN BIRD 100/150/200 PEB-PRS-D ELECTRIC VALVE. INSTALL IN A CARSON OR EQUAL VP-10" VALVE BOX.
 - 0-24 GPM=1"
 - 25-50 GPM=1 1/2"
 - RAIN BIRD #3RC QUICK COUPLING VALVE/SUPPLY 1-3/8" KEY & HOSE SWIVEL PER 5 G.C. VALVES
 - EACH PLANTING AREA SHOWN AS DRIP TUBING SHALL HAVE ROWS (12 O.C.) OF NETAFIM TECHLINE CV DRIP TUBING. THE DRIP TUBING SHALL BE INSTALLED ON GRADE, SECURED WITH NETAFIM T156 GALVANIZED SOIL STAPLES, AND THEN COVERED WITH MULCH. THE DRIPLINE SHALL BE LOCATED TO ALLOW FOR PROPER COVERAGE OF ALL PLANT MATERIAL. NETAFIM BARBED FITTINGS SHALL BE USED ON ALL DRIPLINE JOINTS AND ENDS- SEE DETAIL.
 - NETAFIM TECHLINE CV DRIP TUBING WITH EMITTERS. INSTALL AS PER DETAILS.
 - GEOFLOW (AP FV) FLUSH VALVE/OR EQUAL/ INSTALL AS PER DETAILS
 - GEOFLOW (ARV 05) AIR VACUUM RELIEF VALVE/ OR EQUAL/INSTALL AS PER DETAILS
 - CLASS 200 PVC LATERAL LINE- SIZE AS SHOWN UNTIL A SMALLER SIZE IS SHOWN.
 - HUNTER I-20-ADV-3.0 ROTOR HEAD - 3 GPM
 - RAINBIRD 1800 SERIES 6" POP-UP
 - SCH. 40 SLEEVE (MINIMUM OF 24" DEPTH AND 2 SIZES LARGER THAN THE PIPE SIZE OR AS LABELED ON THE PLAN)
 - CLASS 200 PVC MAINLINE-2"
 - CLASS 200 PVC LATERAL LINE- SIZE AS SHOWN UNTIL A SMALLER SIZE IS SHOWN.
 - CONTROLLER-HUNTER ICC-2400M 24 STATION/ WALL MOUNT. AS SHOWN ON THE PLAN. INSTALL MINI CLIK II RAIN SENSOR & FREEZE CLIK SENSOR. GROUND WITH MINIMUM (2) 8" COPPER CLAD RODS. SLEEVE TO AS REQUIRED.
 - BACKFLOW PREVENTER-2"-REDUCED PRESSURE AND HOT BOX (E21) OR TYPES AS REQUIRED BY LOCAL CODE.
 - PRESSURE REDUCING VALVE-2"-WATTS (INSTALL IF REQUIRED)

LATERAL LINE PIPE SIZE SCHEDULE

0 - 10 GPM- 3/4" CLASS 200 PVC PIPE
11 - 16 GPM- 1" CLASS 200 PVC PIPE
17 - 35 GPM- 1 1/2" CLASS 200 PVC PIPE
36 - 35 GPM- 2" CLASS 200 PVC PIPE

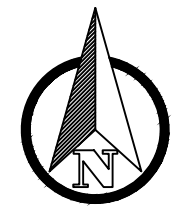
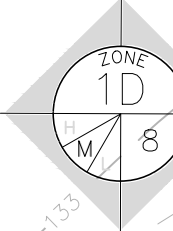
Sec. 6.9.6. - Completion inspection requirements.

- A.Irrigation installation professionals shall be accountable for the proper installation and compliance with the conditions of the irrigation permit and approved plans.
- B.Upon completion of the installation, the contractor or owner shall request an inspection by the irrigation design professional. Prior to the inspection, the irrigation installation professional shall produce a clear and legible as-built diagram which accurately represents the irrigation system was installed. The diagram shall be presented and reviewed during the final inspection. The diagram may be a marked-up copy of the approved irrigation plan and shall include at a minimum:
- (1)Locations of all mainlines and mainline valves;
 - (2)Locations of all remote control valves
 - (3)Water demand per zone in GPM, and
 - (4)Total water demand per operating cycle.
- C.The irrigation installation professional shall also provide to the owner:
- (1)Irrigation system scheduling information;
 - (2)A copy of the irrigation controller owner's manual;
 - (3)Irrigation system maintenance schedule, which includes:
 - (a)Instructions for seasonal adjustments of controller and sensors.
 - (b)Instructions covering how and when to check for leaks.
 - (c)A schedule for checking for proper irrigation distribution coverage.
- D.Within 60 days after installation the irrigation controller shall be adjusted to be set in accordance with the applicable irrigation schedule set forth in this Code.
- E.Upon completion of the irrigation system installation and the acceptance of the as-built diagram and operational information, a Final Inspection and Landscape/Irrigation Release shall be signed and sealed by the irrigation design professional and submitted to the County's Landscape Architect.

APPROXIMATE LOCATION OF
CONTROLLER. CONTRACTOR SHALL
VERIFY EXACT LOCATION WITH
OWNER'S REPRESENTATIVE PRIOR
TO START OF CONSTRUCTION.

APPROXIMATE LOCATION OF
POINT OF
CONNECTION, BACKFLOW PREVENTER, &
PRESSURE REDUCING VALVE.
CONTRACTOR SHALL VERIFY EXACT
LOCATION WITH OWNER'S
REPRESENTATIVE PRIOR TO START OF
CONSTRUCTION. SYSTEM REQUIRES
MINIMUM 25 GPM @ 65 PSI.
CONTRACTOR SHALL PERFORM
PRESSURE READING DOWNSTREAM SIDE
OF BACKFLOW PREVENTER. IF DYNAMIC
PRESSURE DOES NOT EXCEED 75 PSI, DO
NOT INSTALL THE PRESSURE REDUCING
VALVE AND OWNER SHALL BE ISSUED A
CREDIT FROM THE CONTRACTOR.

Proposed Well
3500 DITCH, 1.25" DEEP, 2:1 SIDE SLOPES, 2' FLAT BTM, AS TO
ENT OFF-SITE DISCHARGE (SEE CALCULATION ON HYDROLOGY REPORT)

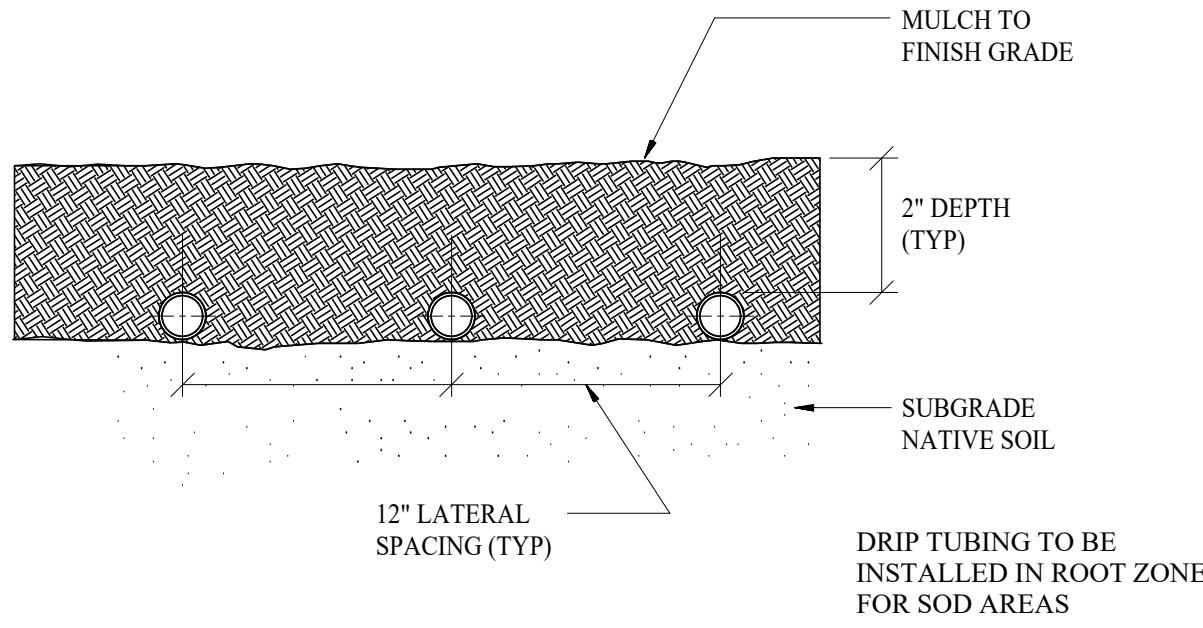
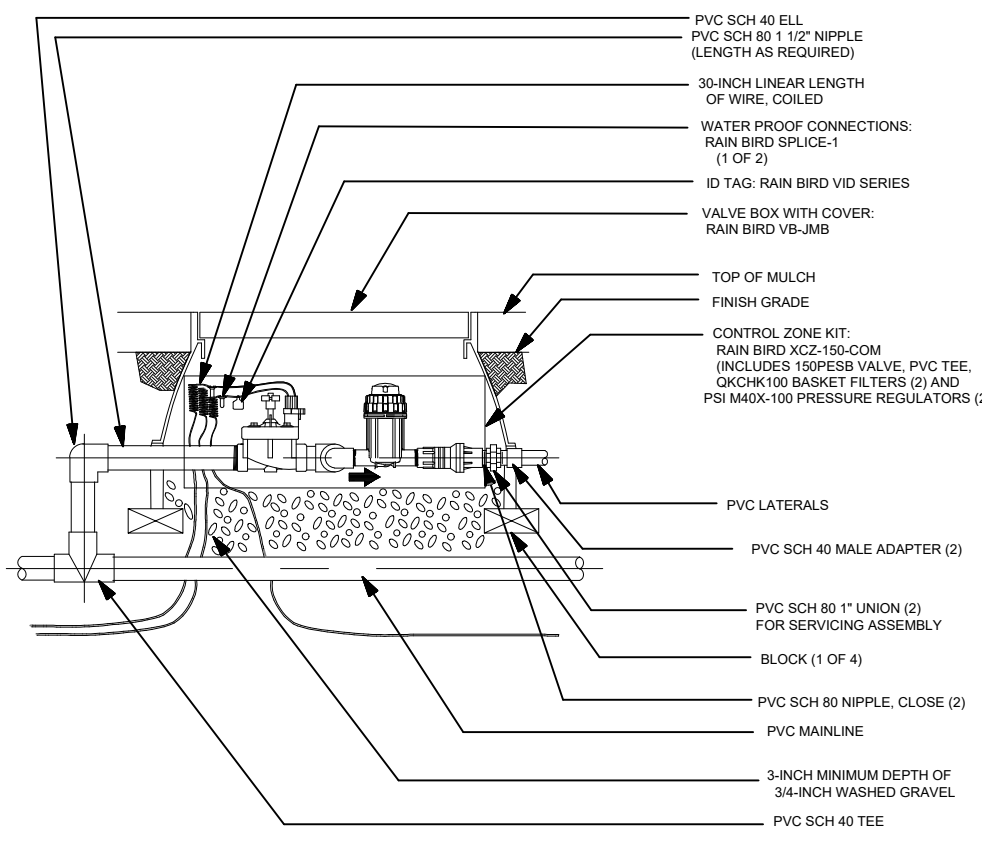


0 20' 40'
SCALE: 1"=20'

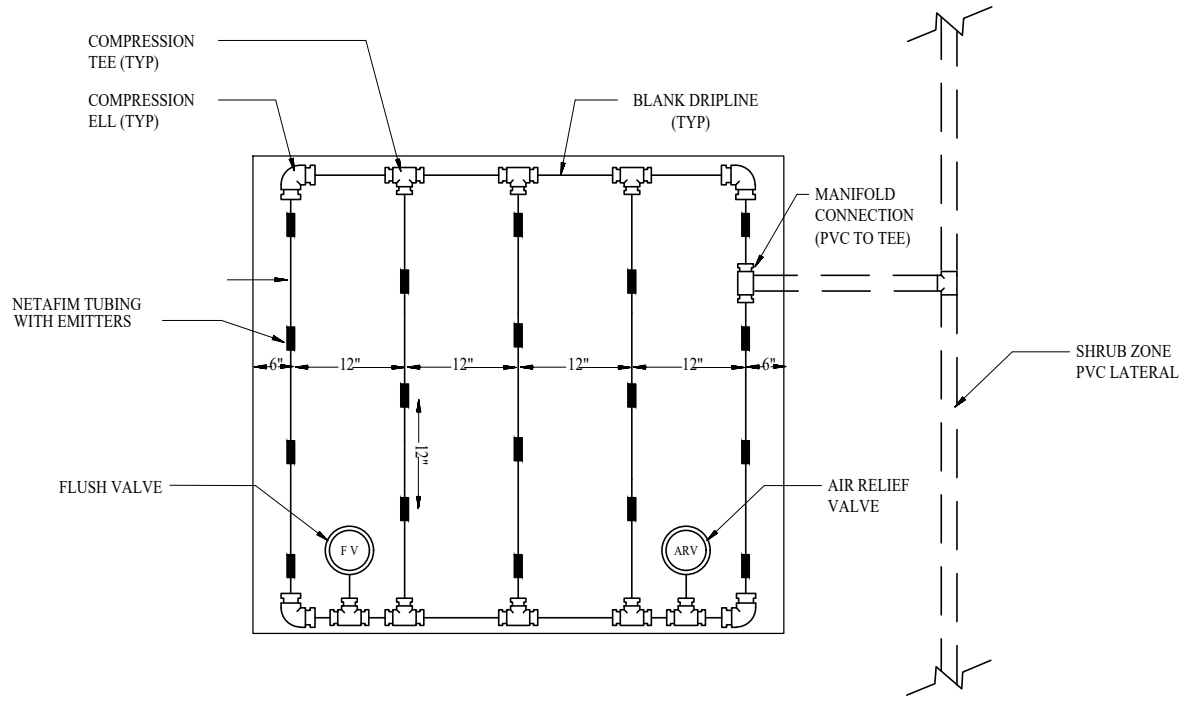
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GENERAL NOTES

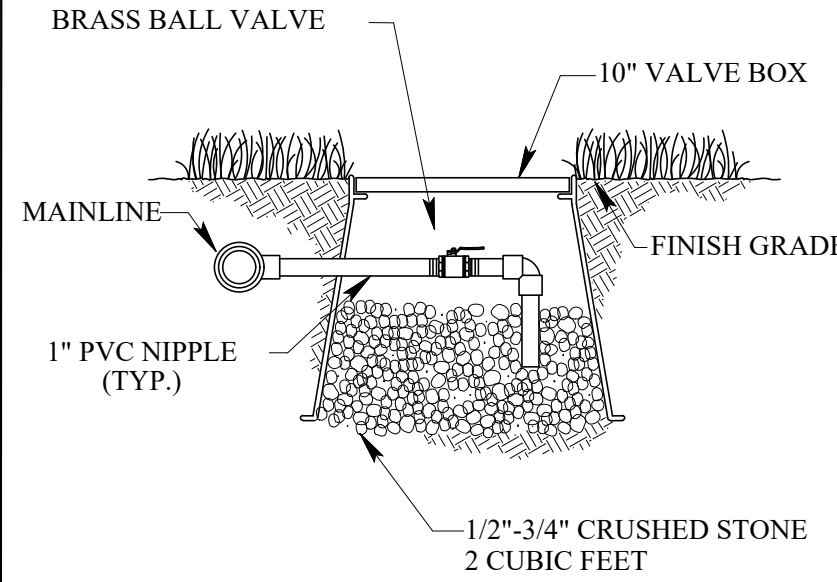
- 1) REFER TO THE LANDSCAPE PLANS WHEN TRENCHING TO AVOID TREES AND SHRUBS.
 - 2) ALL MAINLINE PIPING SHALL BE BURIED TO A MINIMUM DEPTH OF 24" OF COVER. ALL LATERAL PIPING SHALL BE BURIED TO A MINIMUM DEPTH OF 18" OF COVER.
 - 3) ALL POP-UP ROTORS AND SPRAYS SHALL BE INSTALLED USING AN 18" PVC FLEX PIPE CONNECTION. DO NOT USE RUNNY PIPE.
 - 4) ADJUST ALL NOZZLES TO REDUCE WATER WASTE ON HARD SURFACES & BLDG. WALLS.
 - 5) THROTTLE ALL VALVES ON SHRUB LINES AS REQUIRED TO PREVENT FOGGING.
 - 6) ALL CONTROL WIRE SPLICES SHALL BE MADE IN VALVE BOXES USING KING "ONE STEP" CONNECTORS AND SEALANT WITH WIRE NUTS.
 - 7) THE CONTRACTOR SHALL PREPARE AN AS-BUILT DRAWING ON A REPRODUCIBLE PAPER (SEPIA OR MYLAR) SHOWING ALL IRRIGATION INSTALLATION. A MYLAR OR SEPIA OF THE ORIGINAL PLAN CAN BE OBTAINED FROM THE ARCHITECT FOR A FEE. THE AS-BUILT DRAWING SHALL LOCATE ALL MAINLINE AND VALVES BY SHOWING EXACT MEASUREMENTS FROM HARD SURFACES.
 - 8) ALL VALVES, GATE VALVES AND QUICK COUPLERS SHALL BE INSTALLED IN VALVE BOXES. (PURPLE REUSE TYPE)
 - 9) ANY PIPING SHOWN OUTSIDE THE PROPERTY LINE OR RUNNING OUTSIDE A LANDSCAPE AREA IS SHOWN THERE FOR CLARITY ONLY. ALL LINES SHALL BE INSTALLED ON THE PROPERTY AND INSIDE THE LANDSCAPE AREAS.
 - 10) THE EXACT HEIGHT OF ANY 12" POP-UP THAT IS SHOWN IN A SHRUB BED SHALL BE DETERMINED BY THE ARCHITECT IN THE FIELD.
 - 11) THE CONTRACTOR SHALL EXERCISE CARE SO AS NOT TO DAMAGE ANY EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REPAIRS AND COST OF ANY DAMAGE CAUSED BY HIS WORK.
- ALL WORK SHALL BE GUARANTEED FOR ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE AGAINST ALL DEFECTS IN EQUIPMENT AND WORKMANSHIP. (OR AS OUTLINED IN THE WRITTEN SPECIFICATIONS)
- ELECTRICAL SERVICE TO ALL EQUIPMENT SHALL BE PROVIDED TO THE EQUIPMENT LOCATION AS PART OF THE ELECTRICAL PLANS.



DRIP TUBING



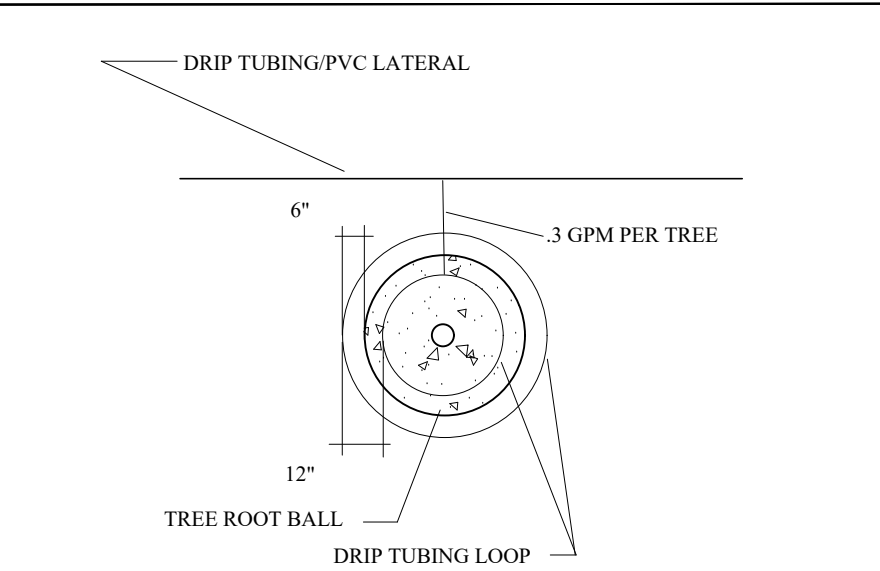
PLANTER AREA W/ GROUND COVER PLANTING



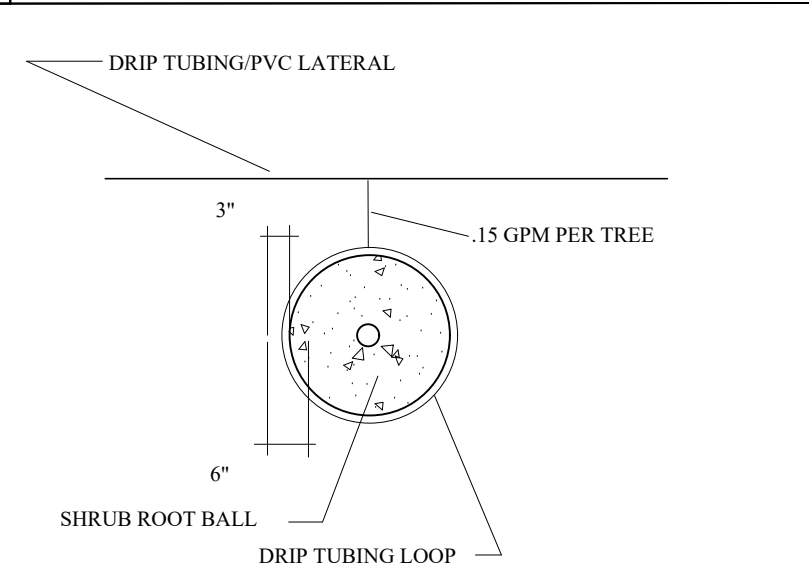
MANUAL DRAIN VALVE

DRIP TUBING NOTES

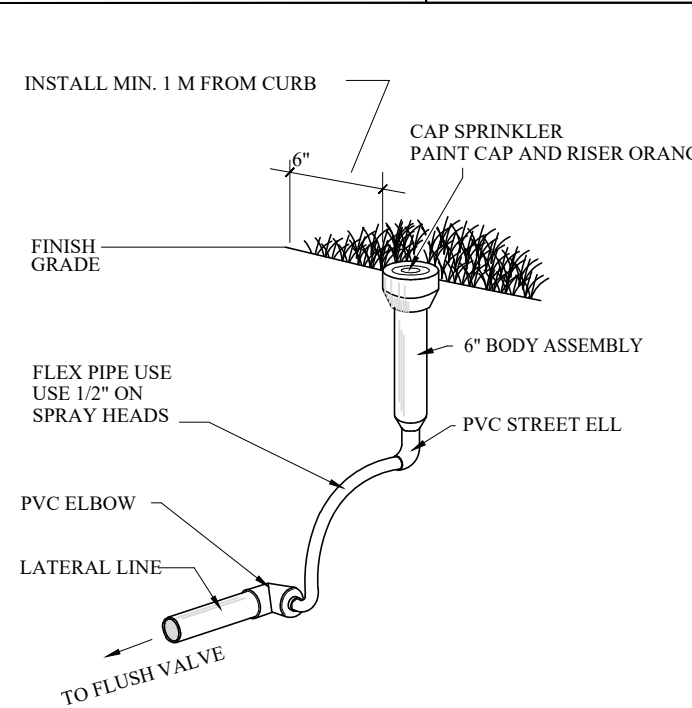
- 1) INSTALL ALL DRIP TUBING 1" UNDER GROUND. USE U-SHAPED WIRE STABILIZERS TO HOLD THE LINES IN PLACE.
- 2) KEEP ALL DRIP LINE CLEAN AT ALL TIMES BEFORE THE FINAL CONNECTION. TAPE ALL TUBE ENDS OR USE DIRT CAPS.
- 3) AVOID SHARP BENDS IN THE TUBING. DO NOT BEND THE TUBING WITH LESS THAN A 12" RADIUS.
- 4) ALL DRIP TUBING SHALL HAVE UNIFORM SPACING AND BURIAL DEPTH.
- 5) INSTALL DRIP TUBING TO ALL AREAS THAT SHALL RECEIVE PLANT MATERIAL. SEE THE LANDSCAPE PLAN FOR THE EXACT LOCATIONS.
- 6) SPACE TUBING AS NOTED ON THE PLAN. THE PLAN DOES NOT ALWAYS SHOW ALL DRIP TUBING. THE PLAN LAYOUT IS SHOWN FOR CLARITY ONLY.
- 7) REFER TO THE TORO NETAFIM DRIP INSTALLATION MANUAL FOR INSTALLATION INSTRUCTIONS.
- 8) ALWAYS FLUSH ALL LINES BEFORE FINAL CONNECTION.
- 9) REFER TO THE LANDSCAPE PLAN TO AVOID LAYOUT WHERE TREES SHALL BE INSTALLED INSIDE PLANT BEDS.
- 10) ALL MAINLINE SHALL BE BURIED TO A MINIMUM DEPTH OF 24".
- 11) ALL CONTROL WIRE SPLICES SHALL BE MADE IN VALVE BOXES USING SNAP-TITE CONNECTORS AND SEALANT. ALL WIRE SHALL BE 14 GAUGE, EXCEPT WHERE NOTED OTHERWISE.
- 12) ANY PIPING SHOWN OUTSIDE THE PROPERTY LINE OR RUNNING OUTSIDE THE LANDSCAPE AREA IS SHOWN THERE FOR CLARITY ONLY.
- 13) THE CONTRACTOR SHALL EXERCISE CARE SO AS NOT TO DAMAGE ANY EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIRS OF ANY DAMAGE CAUSED BY HIS WORK.
- 14) INSTALL ALL AIR RELIEF AND FLUSH VALVES INSIDE A VALVE BOX.
- 15) CLEARLY AND NEATLY MARK THE TOP OF EACH VALVE BOX WITH THE TYPE OF EQUIPMENT THAT IT CONTAINS. (I.E. VALVE, FLUSH VALVE, ETC.)
- 16) THE VALVE ASSEMBLY SHALL BE PLACED INSIDE A VALVE BOX. THE VALVE SHALL BE INSTALLED FIRST, FOLLOWED BY A PVC UNION, 1" DISC FILTER (OR AS NOTED ON THE PLAN), AND A PRESSURE REGULATOR (90 PSI), IN THAT ORDER. INSTALL A 6" LAYER OF PEA GRAVEL IN THE BASE.
- 17) THE DRIP TUBING SHALL HAVE EMITTERS EVERY 12" AND SHALL BE SPACED 12" APART.
- 18) FILTER SIZES-0-17 GPM-3/4", 18-26 GPM-1", 27-33 GPM-1 1/2".
- 19) THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE HIS/HER WORK WITH THE LANDSCAPE CONTRACTOR.



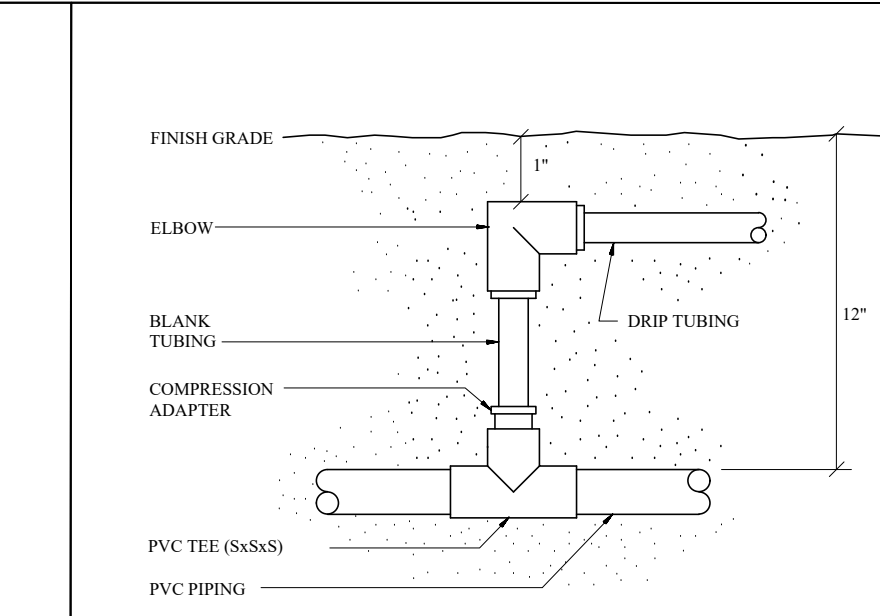
TREE DRIP LINE



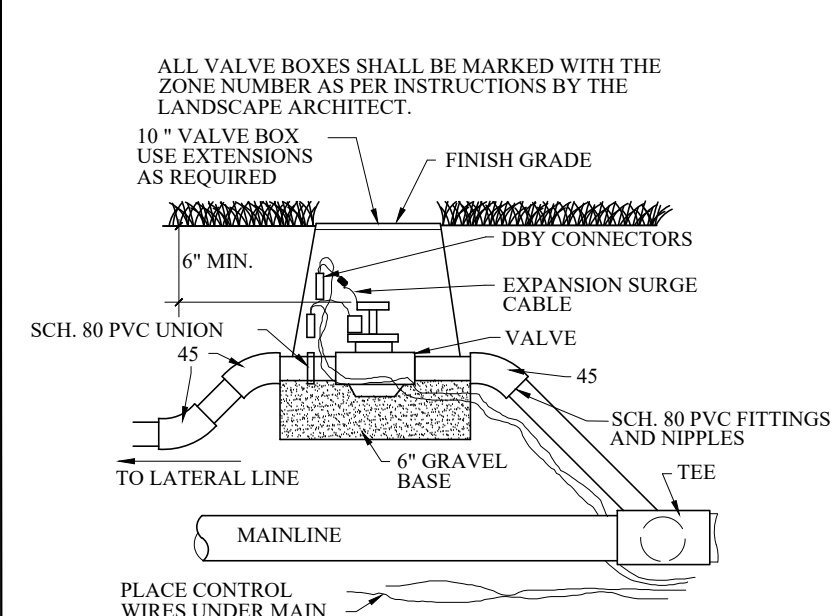
SHRUB DRIP LINE



(INSTALL CHECK HEADS ON EACH DRIP ZONE AS SHOWN)



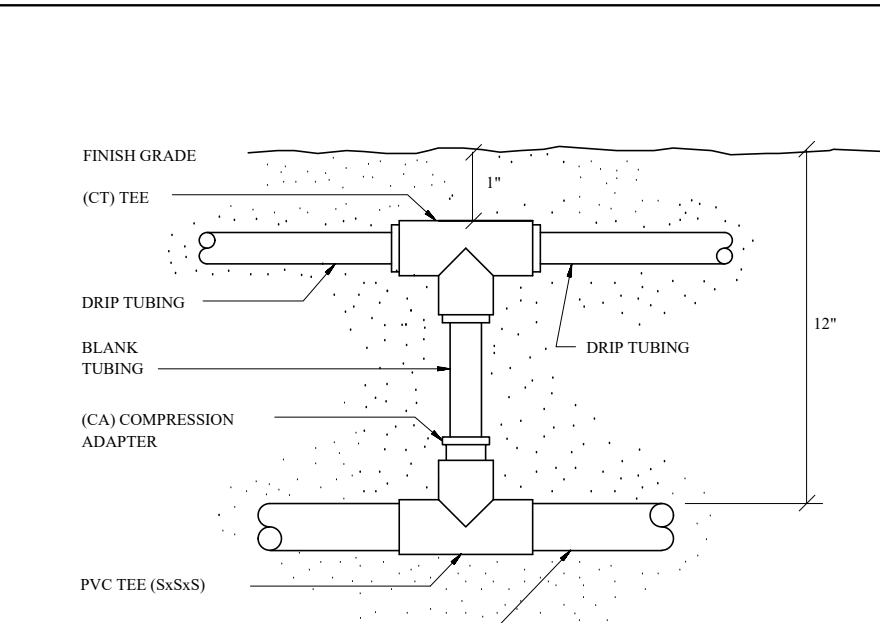
COMPRESSION ELBOW



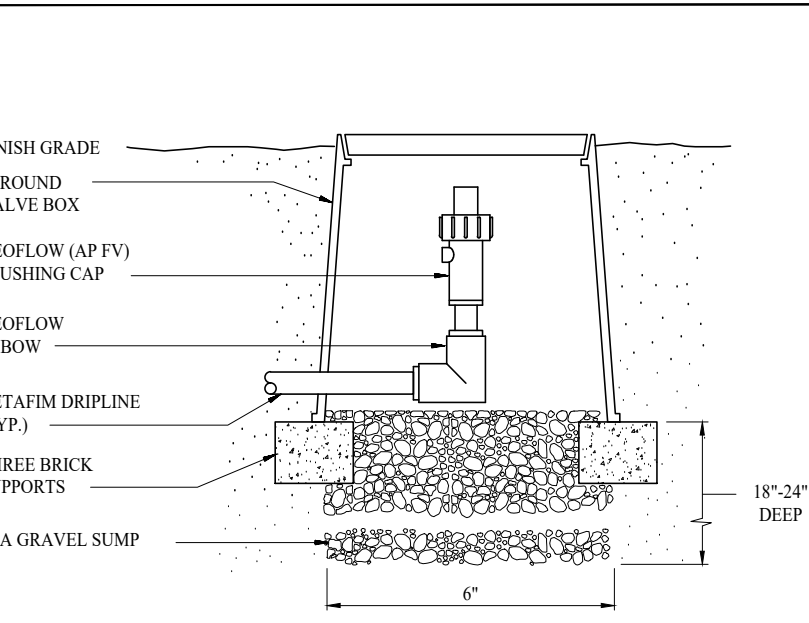
ELECTRICAL VALVE

LEGEND

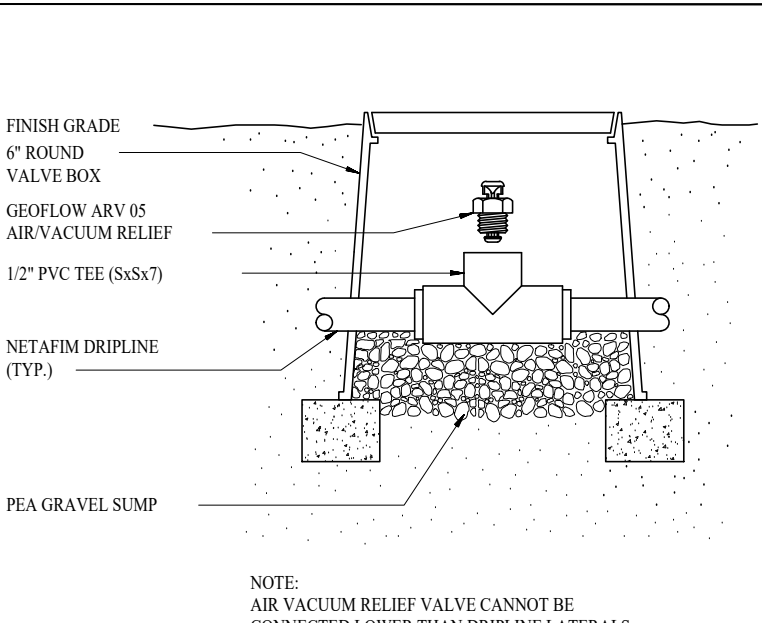
- ▲ RUN CHECK HEAD - SEE DRIP DETAIL
- RAIN BIRD Xcz-150 COM ZONE CONTROL KIT. INSTALL IN CARSON JUMBO RECTANGULAR VALVE BOX.
- RAIN BIRD 100/150/200 PEB-PRS-D ELECTRIC VALVE. INSTALL IN A CARSON OR EQUAL VP-10" VALVE BOX. 0-24 GPM-1" 25-30 GPM-1 1/2" RAIN BIRD EBC QUICK COUPLING VALVES/SUPPLY 1-3/8" KEY & HOSE SWIVEL PER 5 O.C. VALVES.
- EACH PLANTING AREA SHOWN AS DRIP TUBING SHALL HAVE ROWS 12" O.C. OF NETAFIM TECHLINE CV DRIP TUBING. THE DRIP TUBING SHALL BE INSTALLED ON GRADE, SECURED WITH NETAFIM T156 GALVANIZED SOIL STAPLES, AND THEN COVERED WITH MULCH. THE DRIPLINE SHALL BE LOCATED TO ALLOW FOR PROPER COVERAGE OF ALL PLANT MATERIAL. NETAFIM BARBED FITTINGS SHALL BE USED ON ALL DRIPLINE JOINTS AND ENDS - SEE DETAIL.
- NETAFIM TECHLINE CV DRIP TUBING WITH EMITTERS. INSTALL AS PER DETAILS.
- GEOFLOW (AP FV) FLUSH VALVE/OR EQUAL/ INSTALL AS PER DETAILS.
- GEOFLOW (ARV 05) AIR VACUUM RELIEF VALVE/OR EQUAL/INSTALL AS PER DETAILS.
- CLASS 200 PVC LATERAL LINE-SIZE AS SHOWN UNTIL A SMALLER SIZE IS SHOWN.
- ▲ HUNTER I-20-ADV-3.0 ROTOR HEAD - 3 GPM
- RAINBIRD 1800 SERIES 6" POP-UP
- SCH. 40 SLEEVE (MINIMUM OF 24" DEPTH AND 2 SIZES LARGER THAN THE PIPE SIZE OR AS LABELED ON THE PLAN)
- CLASS 200 PVC MAINLINE-2"
- CLASS 200 PVC LATERAL LINE-SIZE AS SHOWN UNTIL A SMALLER SIZE IS SHOWN.
- CONTROLLER-HUNTER ICC-2400M 24 STATION/ WALL MOUNT. AS SHOWN ON THE PLAN, INSTALL MINI CLIK II RAIN SENSOR & FREEZE CLIK SENSOR. GROUND WITH MINIMUM (2) #8 COPPER CLAD RODS. SLEEVE TO AS REQUIRED.
- BACKFLOW PREVENTER-2" REDUCED PRESSURE AND HOT BOX (EZ1) OR TYPES AS REQUIRED BY LOCAL CODE.
- PRESSURE REDUCING VALVE-2" WATTS (INSTALL IF REQUIRED)



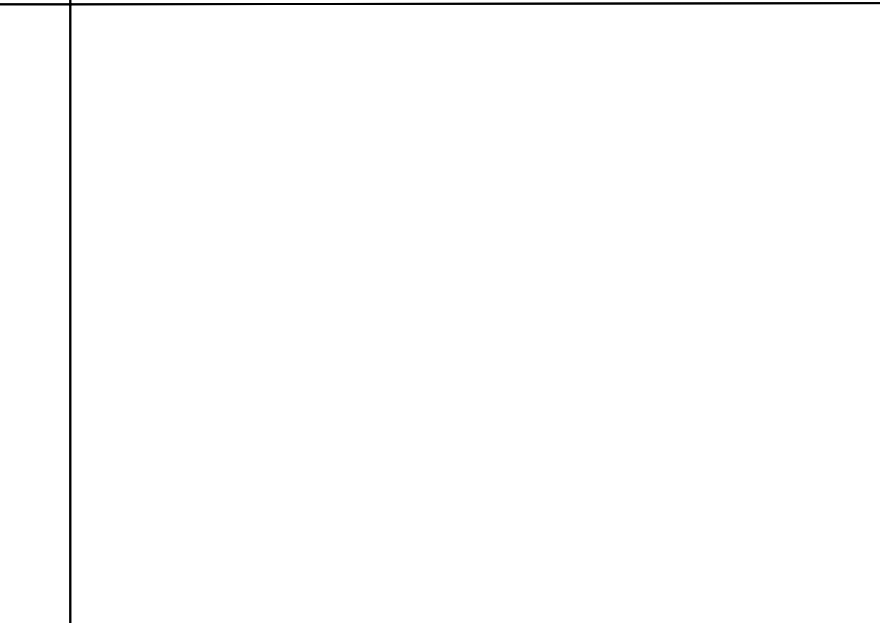
COMPRESSION TEE



FLUSH VALVE



AIR RELIEF VALVE



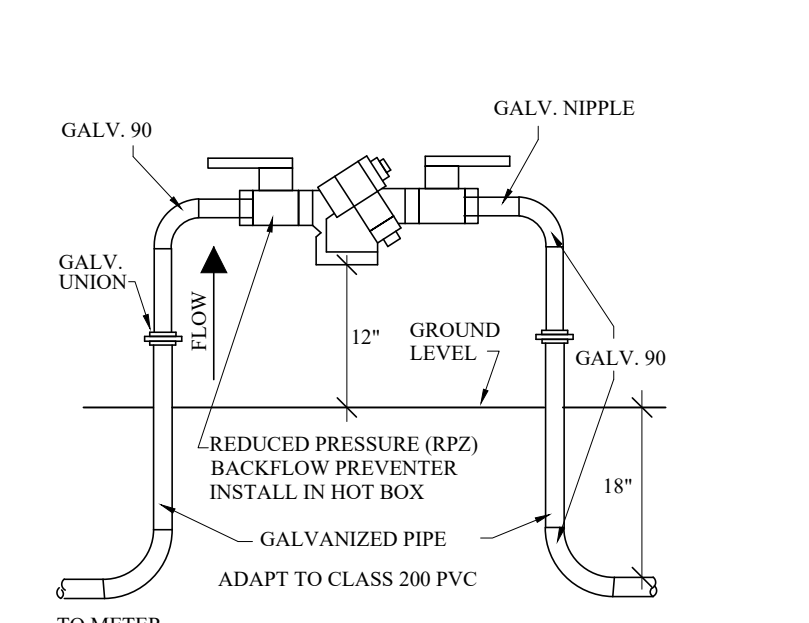
THRUST BLOCK

LATERAL LINE PIPE SIZE SCHEDULE

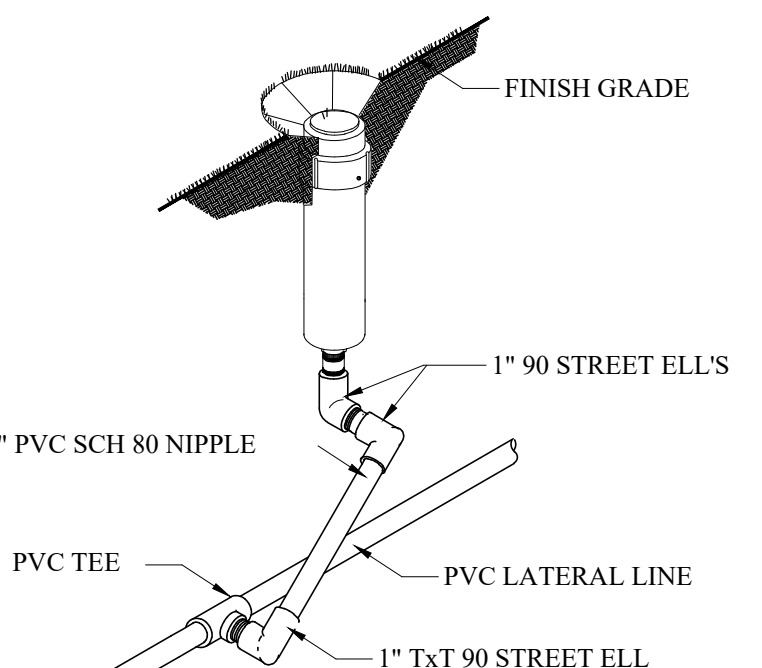
0 - 10 GPM- 3/4" CLASS 200 PVC PIPE
11 - 16 GPM- 1" CLASS 200 PVC PIPE
17 - 35 GPM- 1 1/2" CLASS 200 PVC PIPE
36 - 55 GPM- 2" CLASS 200 PVC PIPE
56 - 80 GPM- 2 1/2" CLASS 200 PVC PIPE
81 - 120 GPM- 3" CLASS 200 PVC PIPE
121 - 200 GPM- 4" CLASS 200 PVC PIPE

LATERAL LINE PIPE SIZE SCHEDULE

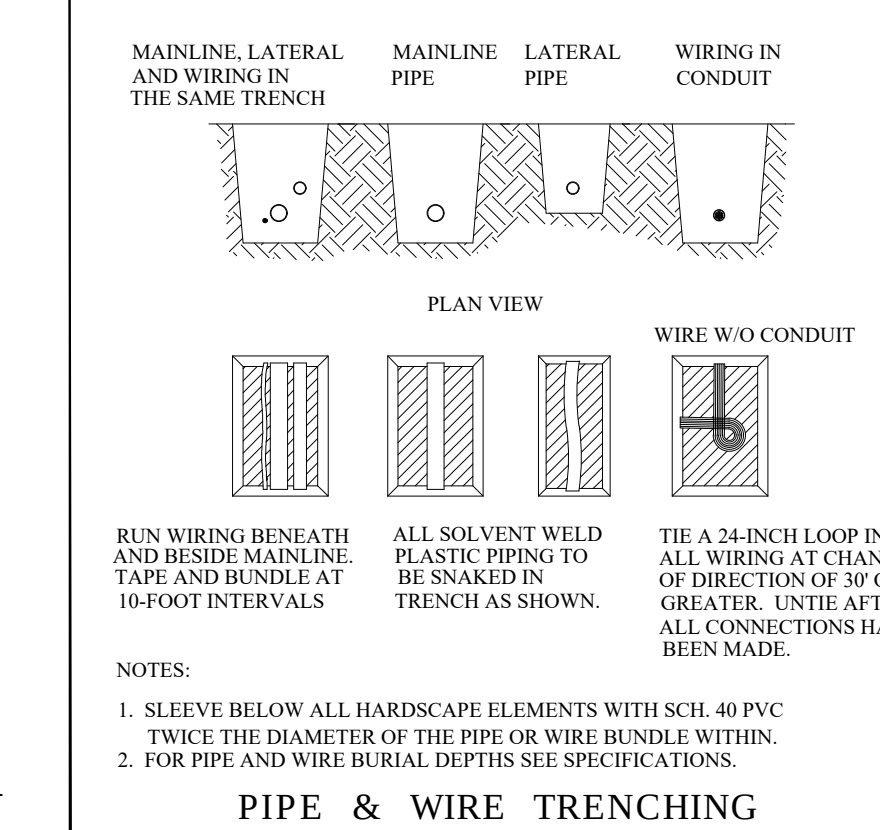
0 - 10 GPM- 3/4" CLASS 200 PVC PIPE
11 - 16 GPM- 1" CLASS 200 PVC PIPE
17 - 35 GPM- 1 1/2" CLASS 200 PVC PIPE
36 - 55 GPM- 2" CLASS 200 PVC PIPE
56 - 80 GPM- 2 1/2" CLASS 200 PVC PIPE
81 - 120 GPM- 3" CLASS 200 PVC PIPE
121 - 200 GPM- 4" CLASS 200 PVC PIPE



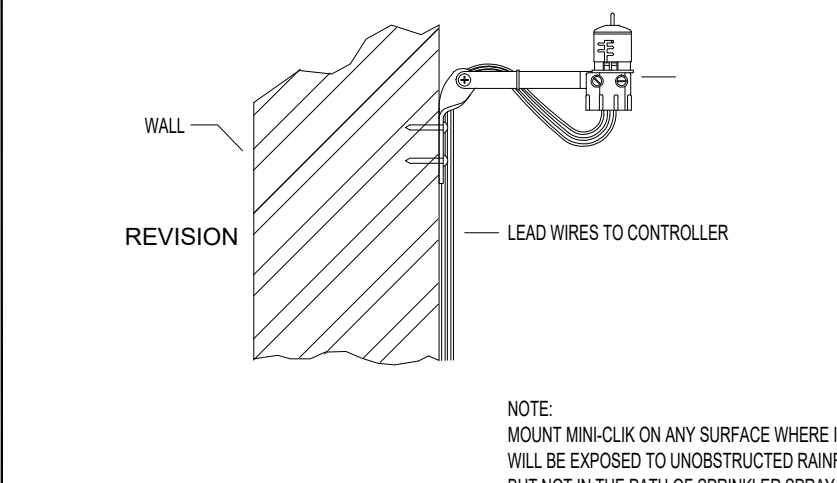
BACKFLOW PREVENTER



1-25 & 40 ROTOR DETAIL



PIPE & WIRE TRENCHING



MINI-CLIK INSTALLATION DETAIL

RAA DESIGN, LLC

Landscape Architects / Land Planners

11355 Old Russell Road

Alpharetta, Georgia 30009

Phone (404) 352-2200

Email rmyers@raa-design.com

REVISIONS

SEAL

11/10/2022

IRRIGATION DETAILS

FAMILY DOLLAR MCINTOSH, FLORIDA

DATE 09-20-2022

JOB NO.

SCALE

DRAWN BY MAW

CHKD BY MAW

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RAA DESIGN

SHEET

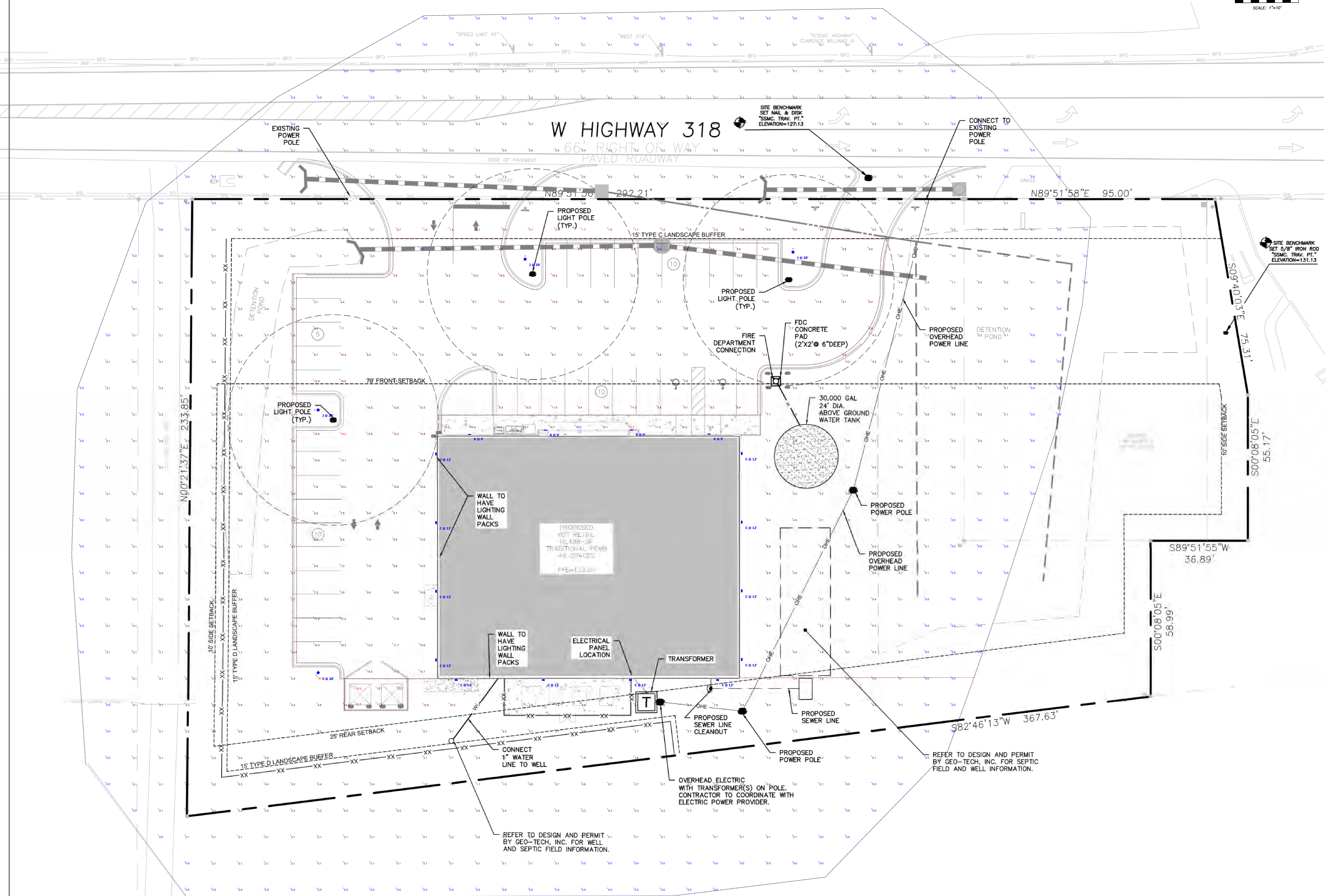
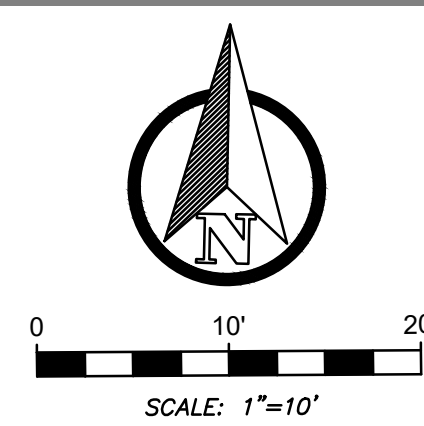
LS-1

4 OF 4



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SHEET - P-2

Designer	
Date	11/29/2022
Drawing No.	
Summary	
2 of 2	

QU	Scientific Name	Common Name	Planting Size	Root	Spacing	Native Status	Mitigation Inches
9	Acer rubrum	Red Maple	3.5"-Cal	B&B	As Shown	Native	31.5
9	Lagerstroemia indica 'Natchez'	Natchez Crape Myrtle	3.5"-Cal	B&B	As Shown	Native	31.5
6	Quercus virginiana	Live Oak	3.5"-Cal	B&B	As Shown	Native	21
12	Cornus florida	Dogwood	3.5"-Cal	30 gal or 28" B&B	As Shown	Native	42
10	Ulmus alata	Winged Elm	3.5"-Cal	B&B	As Shown	Native	35

161 MITIGATION INCHES PROVIDED

QU	Scientific Name	Common Name	Minimum Size	Spacing	Native Status
80	Illicium floridanum	Florida Anise	1-Gal	2.5' o.c.	Native
83	Viburnum obovatum	Walters Viburnum	1-Gal	2.5' o.c.	Native

SHADE TREES: POST DEVELOPMENT RATIO OF SHADE TREES TO THE AREA OF THE SITE SHALL BE A MINIMUM OF ONE SHADE TREE PER 3,000 SQ FT.

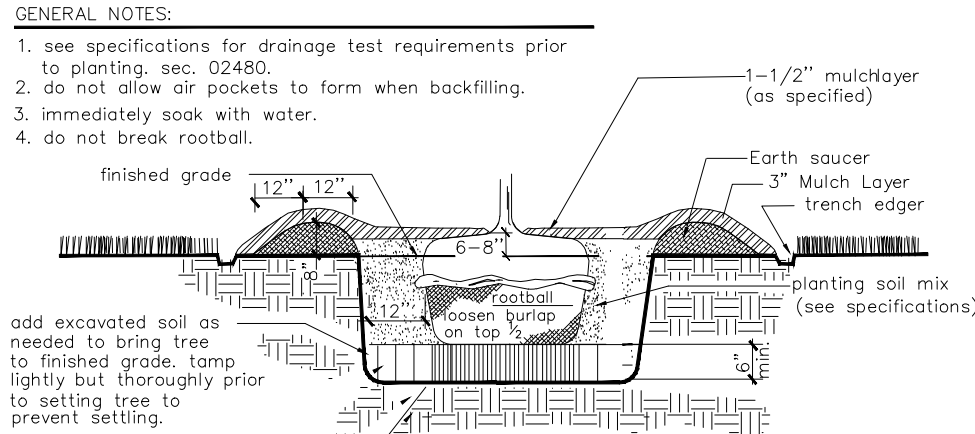
TOTAL SITE AREA = 1.86 (80,021.6 SQ FT)
80,021.6 / 3,000 = 32 SHADE TREES REQUIRED

(19) SHADE TREES AND (15) ORNAMENTAL TREES PROVIDED (OVERHEAD UTILITIES PROHIBITED THE PLANTING OF MORE SHADE TREES)

OPEN AREA CALCULATIONS: 20% OF THE LAND TO BE DEVELOPED SHALL BE LANDSCAPED

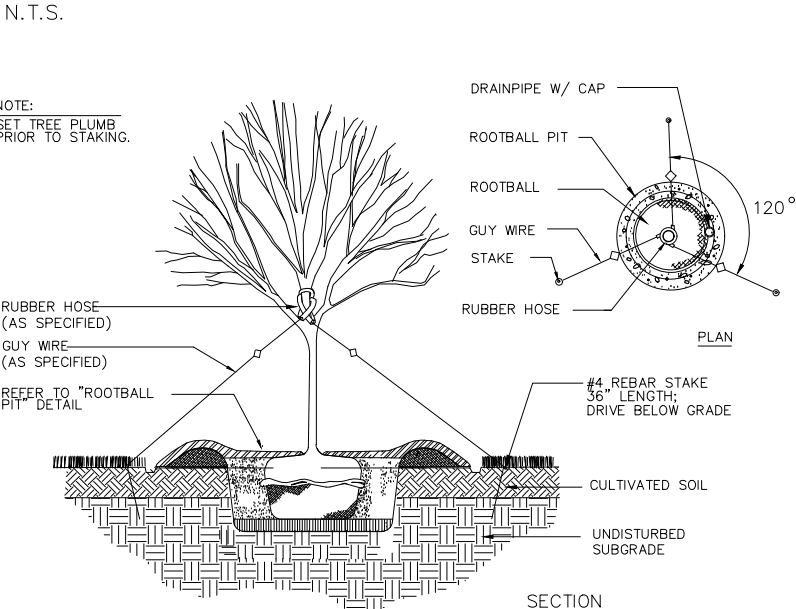
TOTAL SITE = 80,021.6 SF X 20% = 16,004.32 SF
LANDSCAPE AREA PROVIDED = 41,468.26 SF (REQUIREMENT MET)

TREE MITIGATION: 123.5" TO BE MITIGATED, 161 INCHES PROVIDED

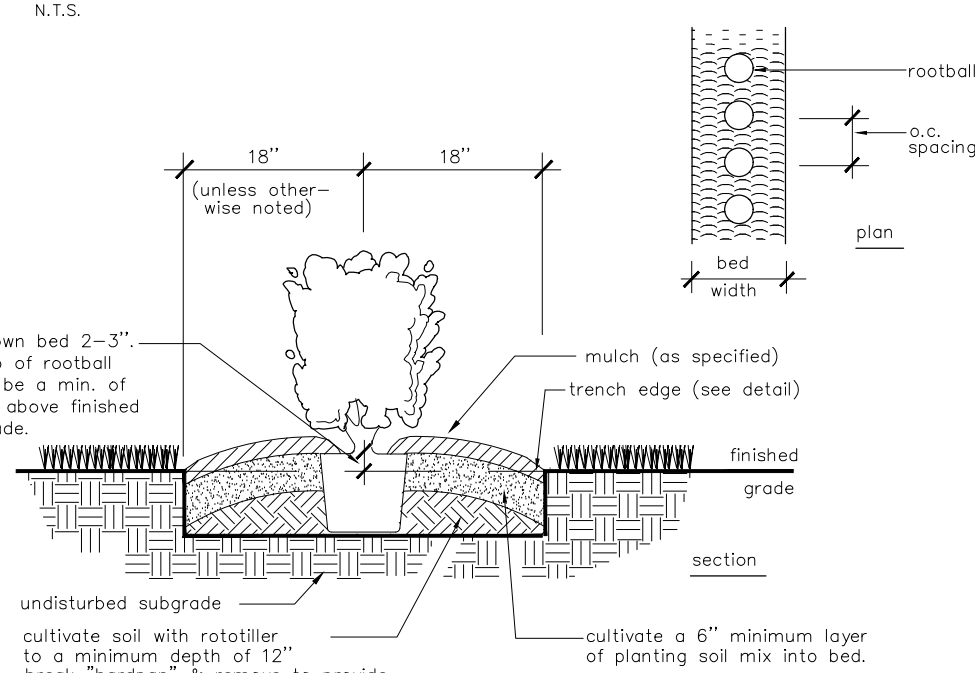


- PLANTING PROCEDURE
- excavate rootball pit.
 - add excavated soil & tamp.
 - set tree such that top of rootball stake & guy securely.
 - complete backfilling, construct trench edge & add specified mulch.

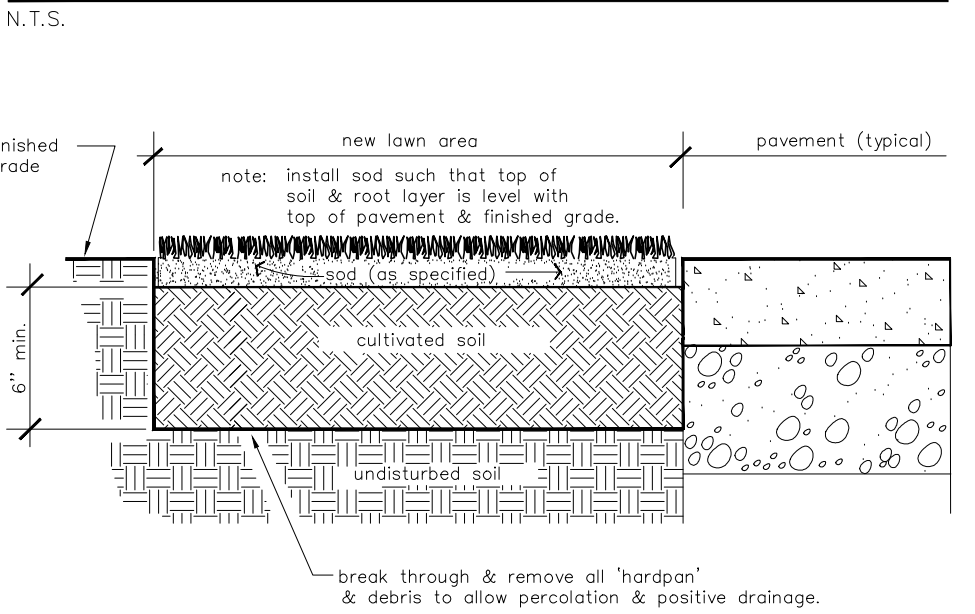
TYP. TREE ROOTBALL PIT



TREE STAKING & GUYING



HEDGE PLANTING (SINGLE ROW)



- SODDING PROCEDURE
- the general contractor will provide grades to (+/-) .20' of a foot of proposed grades.
 - cultivate entire area to a minimum 6" depth, handrake smooth.
 - add additives (as per soil test analysis) & rototill.
 - water area to be added prior to laying sod.
 - lay & roll sod, water thoroughly.

SOD INSTALLATION

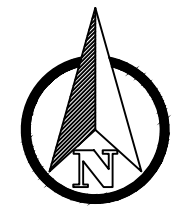
N.T.S.

GENERAL PLANTING NOTES:

- all plants must be healthy, vigorous material; free of pests & diseases.
- all plants must be container-grown or balled & burlapped (b&b) as indicated in the plant list.
- all trees must be straight trunked, full headed & meet all requirements specified.
- all plants are subject to the approval of the landscape architect & the owner before, during & after installation.
- all trees must be guyed or staked as shown in the details.
- all plants & planting areas must be completely mulched as specified.
- prior to construction, the landscape contractor shall be responsible for locating all underground utilities & shall avoid damage to all utilities during the course of the work. the landscape contractor is responsible for repairing any & all damage to utilities, structures, site furnishings, etc. which occurs as a result of the landscape construction.
- the landscape contractor is responsible for verifying all quantities shown on these plans before pricing the work.
- the landscape contractor is responsible for fully maintaining all planting (including, but not limited to: watering, spraying, mulching, fertilizing, etc.) of planting areas & lawns until the work is accepted in total by the landscape architect & the owner.
- the landscape contractor shall completely guarantee all plant material for a period of one (1) year beginning at the date of final acceptance, the landscape contractor shall promptly make all replacements before or at the end of the guarantee period (as per direction of the owner).
- the owner agrees to perform all landscape maintenance (including watering) throughout the one year guarantee period unless otherwise determined.
- the landscape architect will approve the staked location of all plant material prior to installation.
- after being dug at the nursery source, all trees in leaf shall be acclimated for two (2) weeks under a mist system prior to installation.
- any plant material which dies, turns brown or deteriorates (prior to total acceptance of the work) shall be promptly removed from the site & replaced with material of the same species, quantity, size and meeting all plant list specifications.
- standards set forth in "American standards for nursery stock" represent guideline specifications only and constitute minimum quality requirements for plant material



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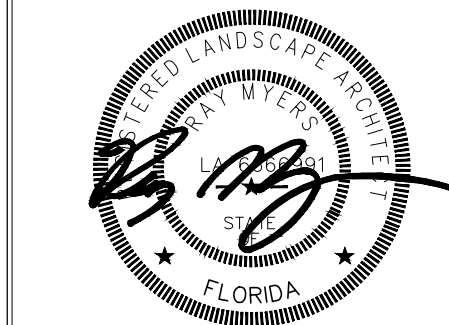


0 20' 40'
SCALE: 1"=20'



REVISIONS

REVISED 11-16-2022
REVISED 02-09-2023
REVISED 2-16-2023



02/16/2023

SEAL

LANDSCAPE
PLAN

FAMILY DOLLAR
MCINTOSH, FLORIDA

JOB NO.
SCALE
DRAWN BY MAW
CHKD BY MAW

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RAA DESIGN

SHEET

LS-1

2 OF 4

ALTA/NSPS LAND TITLE SURVEY
5440 W HIGHWAY 318 REDDICK, FLORIDA
SECTION 33, TOWNSHIP 12 SOUTH, RANGE 21 EAST
MARION COUNTY, FLORIDA

SURVEYOR'S REPORT:

PARCEL 1:
FOR A POINT OF REFERENCE COMMENCE AT THE NORTHWEST CORNER OF THE NORTHEAST 1/4 OF SECTION 33, TOWNSHIP 12 SOUTH, RANGE 21 EAST, MARION COUNTY, FLORIDA; THENCE S00°51'07" W 33 FEET ALONG THE WEST BOUNDARY OF THE NORTHEAST 1/4 OF SAID SECTION 33 TO THE SOUTHERLY RIGHT-OF-WAY OF STATE ROAD 318 AND THE P.O.B.; THENCE DEPARTING FROM SAID WEST BOUNDARY S89°20'07"E 292.21 FEET ALONG SAID SOUTHERLY RIGHT-OF-WAY; THENCE DEPARTING FROM SAID SOUTHERLY RIGHT-OF-WAY LINE S00°39'52"W 129.45 FEET; THENCE S89°20'08"E 70.58 FEET; THENCE S00°39'52"W 58.98 FEET; THENCE S83°34'10"W 366.36 FEET TO A POINT ON THE WEST BOUNDARY OF THE NORTHEAST 1/4 OF SAID SECTION 33; THENCE N00°51'07"E 233.68 FEET ALONG SAID WEST BOUNDARY TO SAID SOUTHERLY RIGHT-OF-WAY AND THE P.O.B.

AND

PARCEL 2:
FOR A POINT OF REFERENCE COMMENCE AT THE NORTHWEST CORNER OF THE NORTHEAST 1/4 OF SECTION 33, TOWNSHIP 12 SOUTH, RANGE 21 EAST, MARION COUNTY, FLORIDA; THENCE S 00°51'07"W 33 FEET ALONG THE WEST BOUNDARY OF THE NORTHEAST 1/4 OF SAID SECTION 33 TO THE SOUTHERLY RIGHT OF WAY OF STATE ROAD 318; THENCE DEPARTING FROM SAID WEST BOUNDARY S.89°20'07"E 292.21 FEET ALONG SAID SOUTHERLY RIGHT OF WAY TO THE P.O.B.; THENCE CONTINUE ALONG SAID SOUTHERLY RIGHT OF WAY S.89°20'07"E. 95.00 FEET; THENCE DEPARTING FROM SAID SOUTHERLY RIGHT OF WAY S.08°52'06"E. 75.31 FEET; THENCE S.00°39'52"W. 55.17 FEET; THENCE N.89°20'08"W 107.47 FEET; THENCE N.00°39'52"E. 129.45 FEET TO THE SOUTHERLY RIGHT OF WAY AND THE POINT OF BEGINNING.

SURVEYOR'S REPORT:

- UTILITY LOCATIONS IF SHOWN HEREON ARE BASED ON FIELD LOCATION OF MARKINGS BY UTILITY COMPANY REPRESENTATIVES, SURFACE FEATURES AND CONSTRUCTION PLANS FURNISHED TO THE SURVEYOR. ADDITIONAL SUB-SURFACE UTILITIES MAY EXIST THAT HAVE NOT BEEN FIELD LOCATED.
- EASEMENTS OR RIGHTS OF WAY THAT APPEAR ON RECORDED PLANS OR THAT HAVE BEEN FURNISHED TO THE SURVEYOR BY OTHERS HAVE BEEN INCORPORATED INTO THIS DRAWING WITH APPROPRIATE NOTATION. OTHER EASEMENTS MAY BE DISCOVERED BY A SEARCH OF THE PUBLIC RECORDS.
- MINIMUM HORIZONTAL ACCURACY FOR THIS SURVEY IS IN ACCORDANCE WITH THE STANDARDS OF PRACTICE SET FORTH BY THE BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17 REQUIREMENTS OF FLORIDA ADMINISTRATION CODE. THE MAP AND MEASUREMENT METHODS USED FOR THIS SURVEY MEET OR EXCEED THIS REQUIREMENT. THE DIMENSIONS SHOWN HEREON ARE IN UNITED STATES STANDARD SURVEY FEET AND DECIMALS THEREOF.
- THIS SURVEY DOES NOT DETERMINE OWNERSHIP OF THE LANDS SHOWN HEREON.
- UNDERGROUND FOUNDATIONS HAVE NOT BEEN LOCATED.
- SURVEY MAP AND REPORT OR THE COPIES THEREOF ARE NOT VALID WITHOUT THE ORIGINAL SIGNATURE AND SEAL OR THE ELECTRONIC SIGNATURE AND SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER, AND IF SHOWN HEREON IS IN COMPLIANCE WITH FLORIDA ADMINISTRATIVE CODE 5J-17.062 AND FLORIDA STATUTE 472.025.
- FEATURES SHOWN BY SYMBOL AS INDICATED IN THE LEGEND ARE NOT TO SCALE.
- ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
- BEARINGS, DISTANCES AND COORDINATES SHOWN HEREON ARE GRID (NORTH AMERICAN DATUM, NAD 83, 2011 ADJUSTMENT, FLORIDA STATE PLANE COORDINATE SYSTEM, FLORIDA NORTH ZONE) AND ARE BASED ON GPS OBSERVATIONS TAKEN FROM THE FLORIDA DEPARTMENT OF TRANSPORTATION'S "FLORIDA PERMANENT REFERENCE NETWORK" GPS CONTINUOUSLY OPERATING REFERENCE STATIONS "GNVL" & "OCLA". THE RELATIVE BEARING IS N89°51'56"E ALONG THE MONUMENTED SOUTH RIGHT OF WAY LINE OF COUNTY ROAD NO. 318. BEARINGS AND DISTANCES SHOWN HEREON ARE MEASURED UNLESS OTHERWISE NOTED.
- VERTICAL INFORMATION SHOWN HEREON REFERS TO FLORIDA DEPARTMENT OF TRANSPORTATION VERTICAL CONTROL STATIONS: "PID: A17641", BEING A 4"x4" CONCRETE MONUMENT WITH BRASS DISK, ELEVATION = 97.26" (NAVD88), AND "PID: A17642", BEING A 5/8" STAINLESS STEEL ROD, ELEVATION = 132.23" (NAVD88). THE CONTOUR INTERVAL IS ONE FOOT.
- UNLESS SHOWN, ONLY THOSE VISIBLE FEATURES FOUND WITHIN THE BOUNDARIES OF THIS SURVEY OR IN THE IMMEDIATE VICINITY OF THE ABOVE DESCRIBED PARCEL BOUNDARY HAVE BEEN LOCATED.
- RIGHT OF WAY INFORMATION SHOWN HEREON WAS DETERMINED BY FOUND MONUMENTATION AND RECORDED FDOT RIGHT OF WAY MAPS SECION #'S 36140 AND 3603-104.
- THE ABOVE DESCRIBED PARCEL CONTAINS A TOTAL OF 1.86 ACRES, MORE OR LESS.
- ADJACENT PROPERTY INFORMATION SHOWN HEREON, THAT WAS NOT FURNISHED TO THIS SURVEYOR, WAS COMPILED USING LATEST AVAILABLE DATA. NO ATTEMPT WAS MADE BY THIS FIRM TO VERIFY ITS ACCURACY.
- I HAVE REVIEWED THE FIRST AMERICAN TITLE INSURANCE COMMITMENT NUMBER FILE NUMBER 14203-2746104, DATED 04/25/2022 AND ALL RECORDED SURVEY RELATED ENCUMBRANCES, EXCEPT LIENS, IDENTIFIED IN SCHEDULE B-II OF THE TITLE INSURANCE COMMITMENT HAVE BEEN SHOWN OR NOTED ON THE SURVEY.
- TITLE COMMITMENT SCHEDULE B-II EXCEPTIONS 1, 2, 4, 6-8 AND 11 ARE NOT A SURVEY MATTER MAY REQUIRE A LEGAL OPINION AS TO THEIR AFFECTING OR NOT AFFECTING THE SUBJECT PARCEL, THEREFORE THE SURVEYOR IS NOT QUALIFIED BY LAW TO RENDER A CONCLUSIVE LEGAL OPINION AS TO THOSE NON-SURVEY MATTER EXCEPTIONS.
- AS TO B-II EXCEPTION #16 - THERE WAS NO EVIDENCE OF RECENT EARTH MOVING WORK, BUILDING CONSTRUCTION, OR BUILDING ADDITIONS.
- AS TO B-II EXCEPTION #17 - THIS SURVEYOR IS NOT AWARE OF ANY PROPOSED STREET RIGHT OF WAY CHANGES OR EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS.
- BASED ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY, FLOOD INSURANCE RATE MAP (FIRM), MAP NUMBER 12083C0140D, EFFECTIVE DATE AUGUST 28, 2008, THE ABOVE DESCRIBED PROPERTY IS ENTIRELY WITHIN ZONE "X" AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.
- SUBJECT PARCEL 1 IS CURRENTLY ZONED "B4 - COMMERCIAL" BUILDING SETBACKS FRONT= 40' REAR= 25' SIDE= 10' BUILDING SETBACK LINES DEPICTED HEREON ARE BASED ON THE CURRENT INFORMATION PROVIDED TO THIS SURVEYOR AND ARE SUBJECT TO CHANGE BASED ON ZONING CHANGES, SITE PLAN CHANGES, LOT SPLITS OR OTHER MODIFICATIONS.
- SUBJECT PARCEL 2 IS CURRENTLY ZONED "RURAL LAND - COMMERCIAL" BUILDING SETBACKS FRONT= 40' REAR= 25' SIDE= 10'

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.

SURVEYOR'S CERTIFICATION:

TO: PANNENBEIR AND FIRST AMERICAN TITLE INSURANCE
THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1-5, 7(a-1), 8, 11(a&b), 12-14, & 16-19 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON AUGUST 18, 2022.

DATE OF PLAT OR MAP: AUGUST 19, 2022

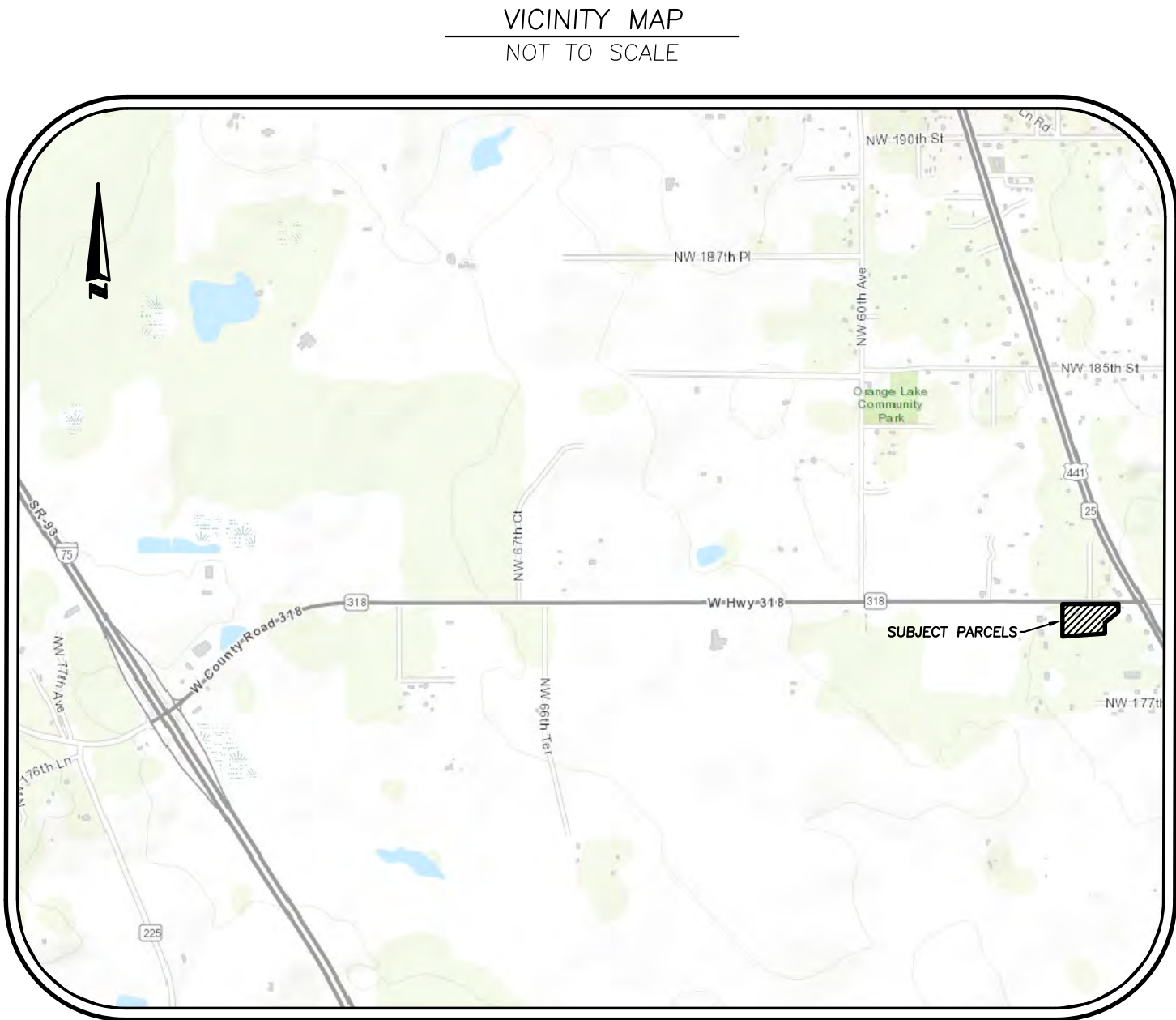


TABLE OF UTILITIES				
OWNER	UTILITY TYPE	UTILITY CONTACT	ALT. CONTACT	EMERGENCY CONTACT
WINDSTREAM COMMUNICATION	TELEPHONE	LOCATE DESK (800) 289-1901		LOCATE DESK (800) 289-1901
CLAY ELECTRIC GAINESVILLE DISTRICT	ELECTRIC	QUINTON HOWE (352) 337-8115 X6215		DREW WILLIAMS (352) 337-8115 X6209
DUKE ENERGY - OCALLA	ELECTRIC	DUKE'S CUSTOMER SERVICE CENTER (407) 629-1010	USIC DISPATCH (800) 778-9140	DUKE'S CUSTOMER SERVICE CENTER (407) 629-1010
CENTURYLINK	FIBER	NETWORK RELATIONS (877) 366-8344X2	TECH ON DUTY (877) 366-8344X3	TECH ON DUTY (877) 366-8344X3
AT&T DISTRIBUTION	TELEPHONE	DINO FARRUGGIO (561) 683-2729		DINO FARRUGGIO (561) 683-2729

ITEMS SHOWN ON SCHEDULE B - SECTION II TITLE COMMITMENT FILE NUMBER: 14203-2746104 DATED APRIL 25, 2022, ISSUED BY: FIRST AMERICAN TITLE INSURANCE COMPANY	
③	ANY ENCROACHMENT, ENCUMBRANCE, VIOLATION, VARIATION, OR ADVERSE CIRCUMSTANCE AFFECTING THE TITLE THAT WOULD BE DISCLOSED BY AN ACCURATE AND COMPLETE LAND SURVEY OF THE LAND. ALL OBSERVED EVIDENCE IS SHOWN HEREON.
⑤	ANY DISPUTE AS TO THE BOUNDARIES CAUSED BY A CHANGE IN THE LOCATION OF ANY WATER BODY WITHIN OR ADJACENT TO THE LAND PRIOR TO DATE OF POLICY, AND ANY ADVERSE CLAIM TO ALL OR PART OF THE LAND THAT IS, AT DATE OF POLICY, OR WAS PREVIOUSLY UNDER WATER. NONE OBSERVED.
⑨	GENERAL PERMIT TO SOUTHERN BELL TELEPHONE AND TELEGRAPH CO. AS SET FORTH IN INSTRUMENT RECORDED IN DEED BOOK 320, PAGE 438. (AS TO PARCELS 1 & 2) DOES NOT AFFECT SUBJECT PROPERTY AND IS SHOWN HEREON.
⑩	POSSIBLE OVERLAP WITH LAND DESCRIBED IN DEED IN BOOK 5668, PAGE 1128. (AS TO PARCEL 2) DOES AFFECT PARCEL 2 AND IS SHOWN HEREON.

SSMC[™]

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SOUTHEASTERN SURVEYING
AND MAPPING CORPORATION

1130 Highway 90
Chipley, Florida 32428
e-mail: info@southesternsurveying.com
Certification Number 1B2108

THOMAS F. MEAD
Registered Land Surveyor and Mapper
Number 3654

ALTA/NSPS LAND TITLE SURVEY

Project:

5440W HIGHWAY 318
REDDICK, FLORIDA

Field Date:

08/18/2022

Drawn By:

KMA

Scale:

1" = .

Certified to:

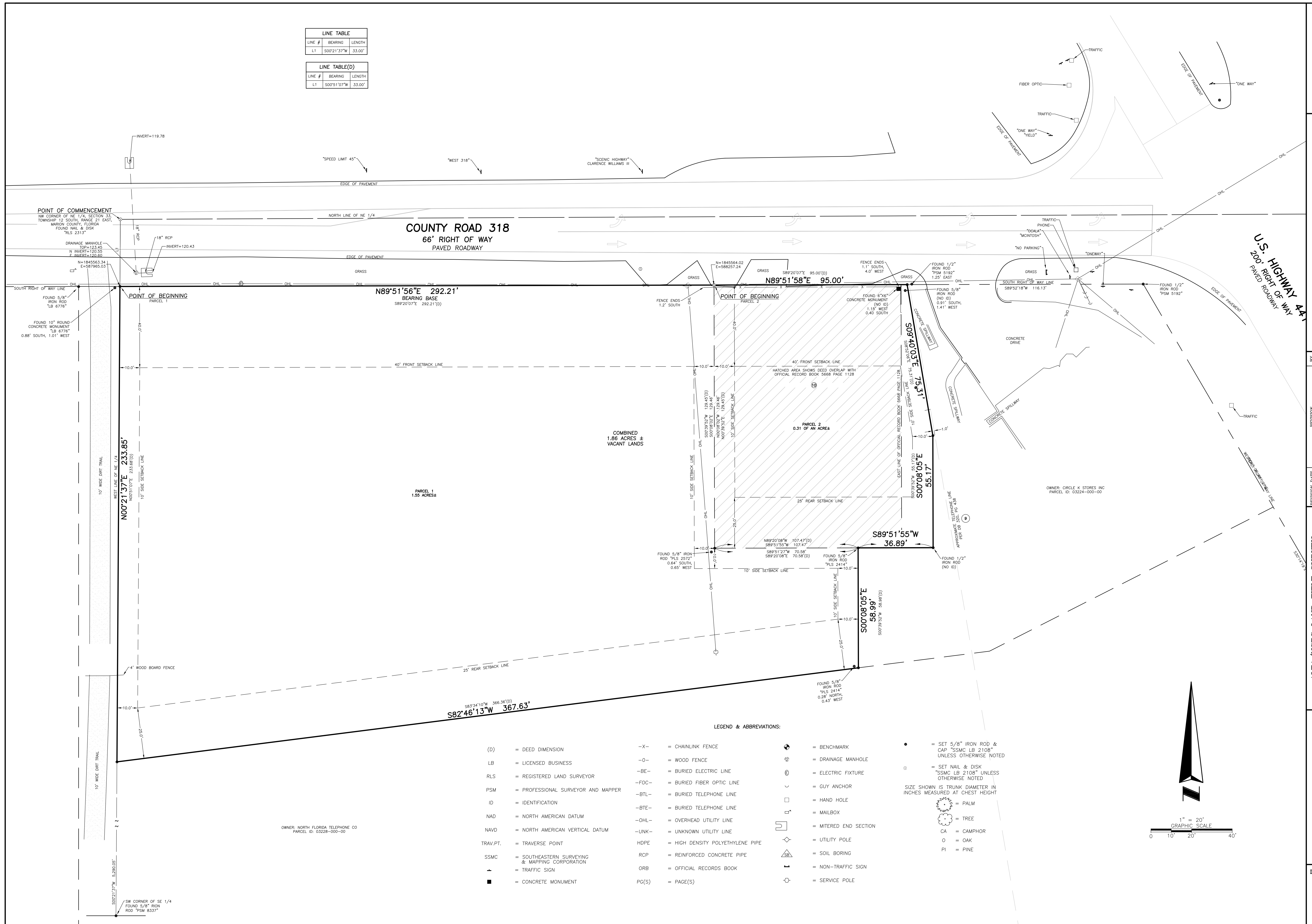
PANNENBEIR
FIRST AMERICAN TITLE
INSURANCE COMPANY

DRAWING NUMBER

68106001
SHEET
NUMBER

1 OF 3

LINE TABLE(D)		
LINE #	BEARING	LENGTH
L1	S00°51'07"W	33.00'



**SOUTHEASTERN SURVEYING
AND MAPPING CORPORATION**
1130 Highway 90
Chipley, Florida 32428
(850) 638-0790
e-mail: info@southeasternsurveying.com
Certification Number L2108

[illegible]

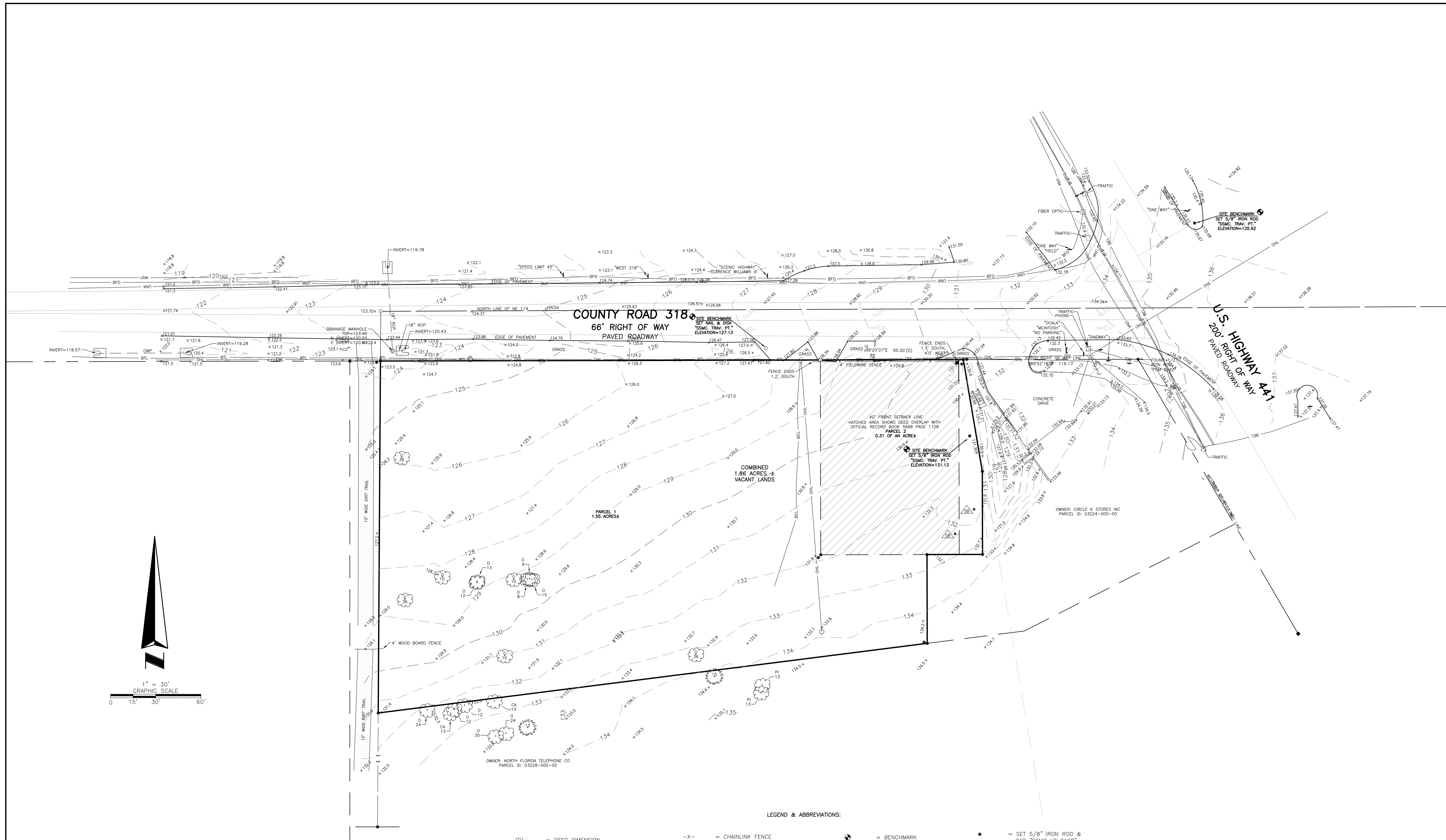
Field Date:	08/18/2022	Drawn By:	KMA	Scale:	1" = 1'
Project:					
ALTA/NSPS LAND TITLE SURVEY					
5440W HIGHWAY 315					
REDDICK, FLORIDA					

SEE SHEET 1 FOR NOTES,
LEGEND AND DESCRIPTION.

DRAWING NUMBER
68106001
SHEET
NUMBER

2 OF 3

DRAWING NUMBER
68106001
SHEET
NUMBER
2 OF 3



COUNTY ROAD 318
66' RIGHT OF WAY
PAVED ROADWAY

U.S. HIGHWAY 441
200' RIGHT OF WAY
PAVED ROADWAY

LEGEND & ABBREVIATIONS

SEE SHEET 1 FOR NOTES,
LEGEND AND DESCRIPTION.

DRAWING NUMBER
68106001
SHEET
NUMBER
3 OF 3

Project: **ALTA/NSPS LAND TITLE SURVEY**
5440W HIGHWAY 315
REDDICK, FLORIDA

REVISION DATE	REVISION	BY

**SOUTHEASTERN SURVEYING
AND MAPPING CORPORATION**
1130 Highway 90
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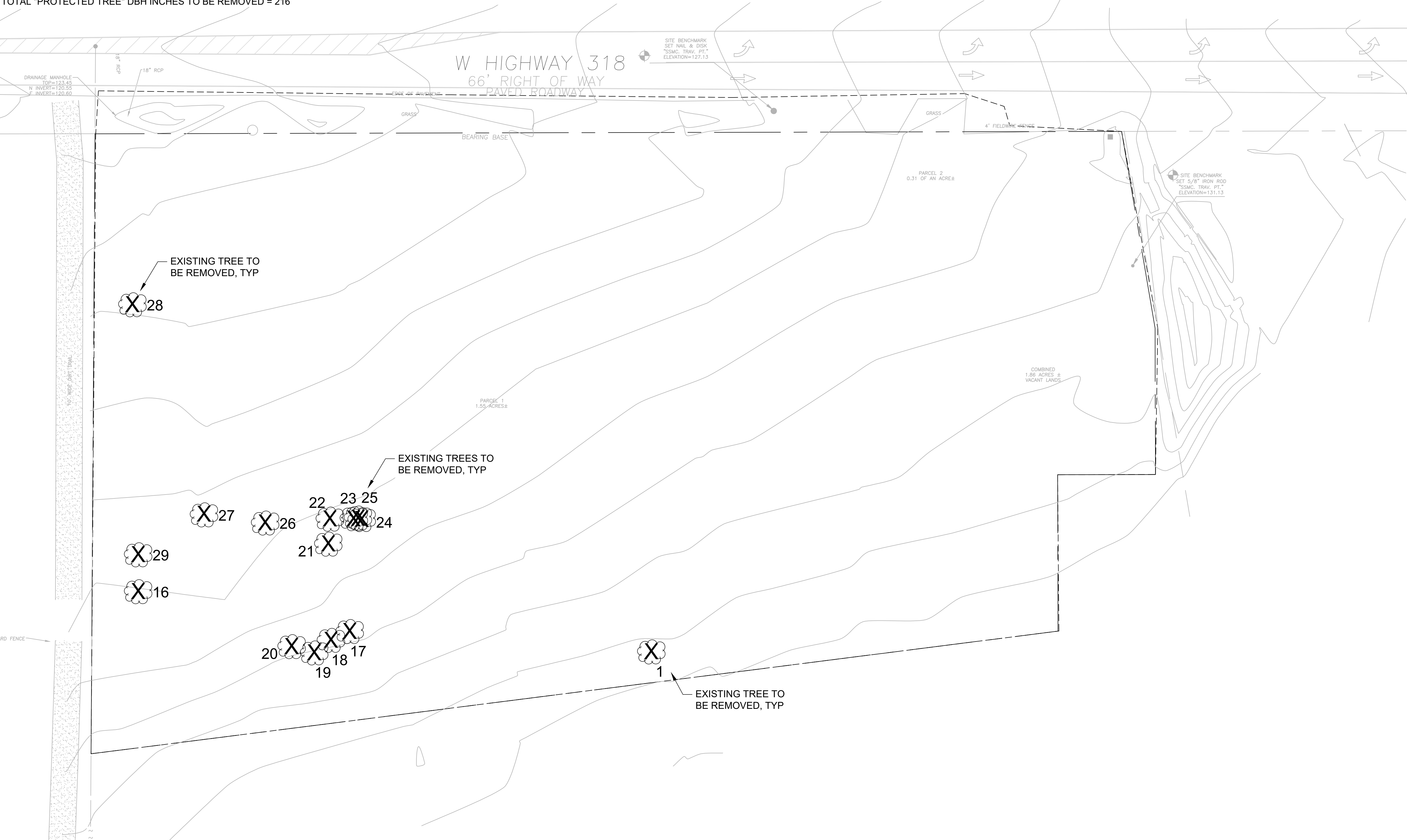


SHEET NUMBER 3 OF 3
NOT VALID WITHOUT SHEETS
1 THROUGH 3

ARBORIST REPORT

ID	Date	Common	Botanical	Height	DBH	Health	Impact	Note	lat	lon	tagID
1	09/21/2022	Laurel Oak	Quercus laurifolia	46'-60"	40"	40% - Poor	Removed	Tree has large amounts of vines growing up the trunk and throughout canopy. Visable cavities on trunk and branches	29.40981	-82.2135	10586264
2	09/15/2022	Cabbage Palmetto	Sabal palmetto	16'-30'	21"	80% - Good	Saved	Palm has large amounts of vines growing up the trunk and through its foliage.	29.40977	-82.2135	10586301
3	09/15/2022	Longleaf Pine	Pinus palustris	31'-45'	15"	60% - Fair	Saved	Pine tree has large amounts of vines growing up the trunk into its canopy.	29.40978	-82.2134	10587736
4	09/15/2022	Longleaf Pine	Pinus palustris	31'-45'	16"	60% - Fair	Saved	Pine has large amounts of vines growing up and through its canopy	29.40975	-82.2134	10587738
5	09/15/2022	Longleaf Pine	Pinus palustris	31'-45'	18"	60% - Fair	Saved	Pine has large amounts of vines growing up the trunk and into the canopy.	29.40978	-82.2133	10587751
6	09/15/2022	Carolina Cherry	Prunus caroliniana	31'-45'	10"	40% - Poor	Saved		29.40974	-82.2136	10587754
7	09/15/2022	Cabbage Palmetto	Sabal palmetto	16'-30'	15"	80% - Good	Saved	Large amounts of vines growing up the trunk into canopy	29.40972	-82.2139	10587756
8	09/15/2022	Laurel Oak	Quercus laurifolia	46'-60'	30"	60% - Fair	Saved		29.40969	-82.2139	10587757
9	09/15/2022	Laurel Oak	Quercus laurifolia	46'-60'	29"	60% - Fair	Saved		29.4097	-82.2139	10587758
10	09/15/2022	Camphor Tree	Cinnamomum camphora	16'-30'	14"	40% - Poor	Saved	Tree has large mounds of vines growing up the trunk throughout the canopy. Tree has large amounts of decay throughout canopy.	29.40973	-82.214	10587759
11	09/15/2022	Laurel Oak	Quercus laurifolia	31'-45'	15"	40% - Poor	Saved	Tree has large amounts of vines growing up and throughout his canopy. He's canopy hard to see	29.40971	-82.2141	10587761
12	09/15/2022	Laurel Oak	Quercus laurifolia	31'-45'	15"	40% - Poor	Saved	Tree has large amounts of vines growing up and throughout his canopy.	29.40974	-82.2141	10587762
13	09/15/2022	Southern Live Oak	Quercus virginiana	31'-45'	19"	60% - Fair	Saved	Tree has large mountain vines growing up and throughout his canopy	29.40972	-82.2141	10587764
14	09/15/2022	Laurel Oak	Quercus laurifolia	31'-45'	26"	40% - Poor	Saved	Tree has large cavity at the base. Tree also has large mountain vines growing up and throughout its canopy.	29.4097	-82.2141	10587767
15	09/15/2022	Laurel Oak	Quercus laurifolia	16'-30'	20"	0% - Dead	Saved		29.40967	-82.2142	10587770
16	09/15/2022	Laurel Oak	Quercus laurifolia	16'-30'	25"	0% - Dead	Saved		29.40986	-82.2142	10587772
17	09/16/2022	Black Cherry	Prunus serotina	16'-30'	6"	40% - Poor	Removed	Tree has large amounts of vines growing up throughout the canopy	29.40984	-82.2139	10587773
18	09/15/2022	Southern Live Oak	Quercus virginiana	16'-30'	6"	40% - Poor	Removed	Tree has large amounts of vines growing in and throughout its canopy	29.40983	-82.2139	10587775
19	09/15/2022	Southern Live Oak	Quercus virginiana	16'-30'	11"	60% - Fair	Removed	Tree has large amounts of vines growing in and up and throughout its canopy	29.40982	-82.214	10587778
20	09/15/2022	Southern Live Oak	Quercus virginiana	16'-30'	16"	60% - Fair	Removed	Tree has large amounts of vines growing in and up and throughout its canopy	29.40984	-82.214	10587783
21	09/15/2022	Camphor Tree	Cinnamomum camphora	16'-30'	11"	60% - Fair	Removed		29.40994	-82.2139	10587788
22	09/15/2022	Laurel Oak	Quercus laurifolia	16'-30'	12"	60% - Fair	Removed	Tree has large amounts of things growing throughout its canopy	29.40996	-82.2139	10587790
23	09/15/2022	Laurel Oak	Quercus laurifolia	16'-30'	9"	60% - Fair	Removed	Large mounds of vines growing throughout canopy	29.40997	-82.2139	10587808
24	09/15/2022	Laurel Oak	Quercus laurifolia	16'-30'	16"	60% - Fair	Removed	Large amounts of vines growing throughout canopy	29.40997	-82.2139	10587809
25	09/15/2022	Black Cherry	Prunus serotina	16'-30'	9"	40% - Poor	Removed	Large amounts of vines growing throughout canopy	29.40997	-82.2139	10587810
26	09/15/2022	Laurel Oak	Quercus laurifolia	16'-30'	16"	60% - Fair	Removed	Large amounts of vines growing up and throughout it's canopy	29.40997	-82.214	10587811
27	09/15/2022	Laurel Oak	Quercus laurifolia	16'-30'	13"	60% - Fair	Removed	Largemouth of vines growing up and throughout canopy	29.40996	-82.2141	10587813
28	09/15/2022	Turkey Oak	Quercus laevis	31'-45'	44"	60% - Fair	Removed	Tree has large amounts of vines growing up throughout its canopy tree. tree co dominant split approximately 20 feet up the trunk	29.41016	-82.2142	10587825
29	09/15/2022	Laurel Oak	Quercus laurifolia	31'-45'	37"	60% - Fair	Removed	Tree has large amounts of vines growing in and up and throughout its canopy.	29.4099	-82.2142	10587826

TOTAL SITE AREA = 1.86 ACRES
TOTAL "PROTECTED TREE" DBH INCHES TO BE REMOVED = 216



THE ARBORIST REPORT FOR ALL PROTECTED TREES SCHEDULED TO BE REMOVED HAVE BEEN DETERMINED TO BE IN LESS THAN GOOD CONDITION AND WILL NOT PROVIDE A LASTING VALUE TO THE FINISHED PROJECT.

NO MITIGATION REQUIRED.

TREES 2-16 PER THE ARBORIST REPORT ARE NOT LOCATED ON SITE AND ARE NOT IMPACTED.

RAA

A

RAA DESIGN, LLC

Landscape Architects / Land Planners
11385 Old Russell Road
Alpharetta, Georgia 30009
Phone (404) 852-2200
Email: rmgers@raa-design.com

REVISIONS

PROFESSIONAL LANDSCAPE ARCHITECT
STATE OF FLORIDA
11/16/2022

SEAL

EXISTING TREE DEMO PLAN

FAMILY DOLLAR
MCINTOSH, FLORIDA

DATE 09-20-2022
JOB NO.
SCALE
DRAWN BY MAW
CHKD BY MAW
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RAA DESIGN
SHEET
TRP-1
1 OF 4