



HIGHLANDS COUNTY BOARD OF COUNTY  
COMMISSIONERS (HCBCC)  
PURCHASING DIVISION  
600 S. Commerce Ave  
Sebring, FL 33870  
(863) 402-6500

DATE: May 3, 2023

BID NO. ITB 22-013-LKD ADDENDUM No. 1

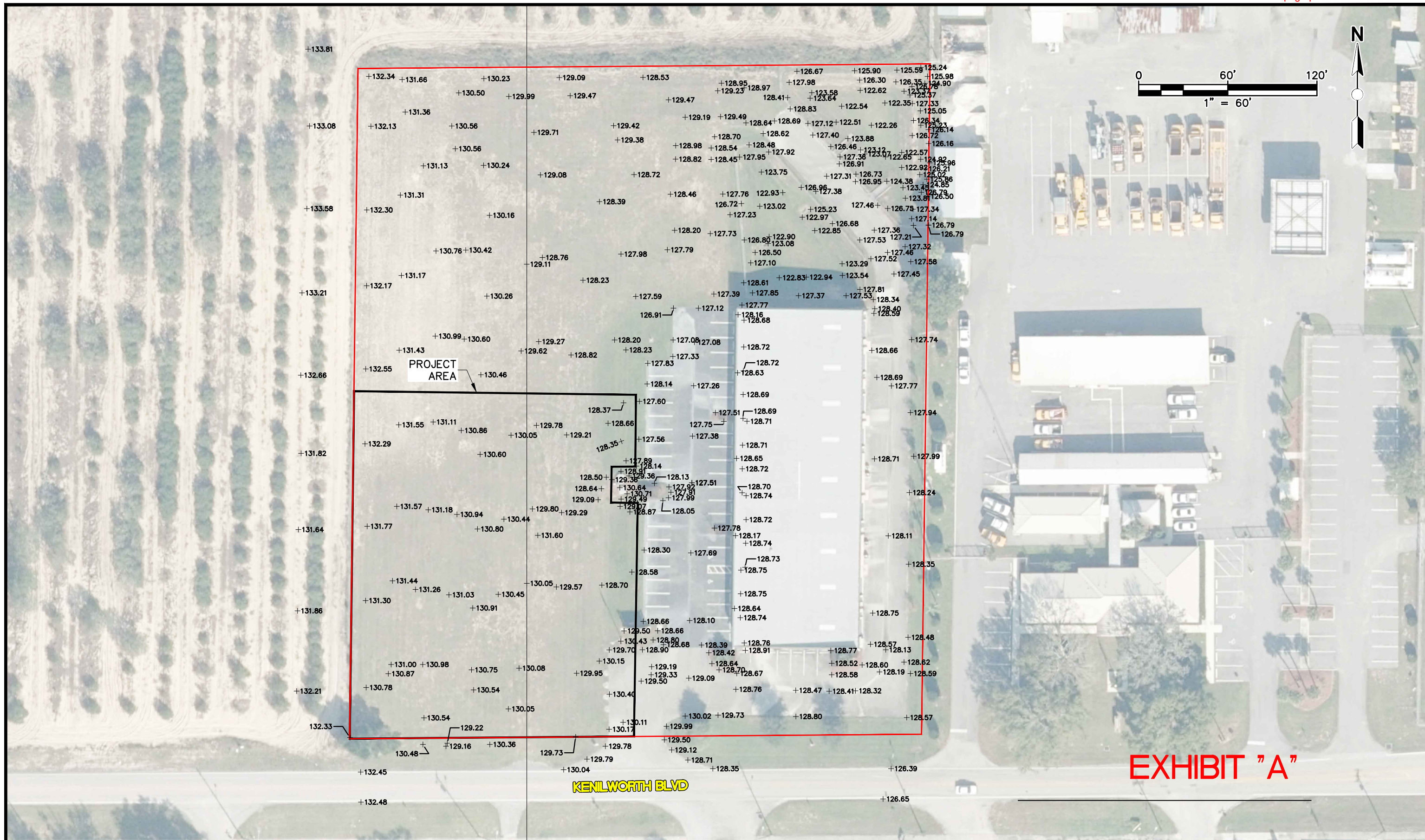
Project: Traffic Operations Building

The following represents clarification, additions, deletions, and/or modifications to the above referenced solicitation. This addendum shall hereafter be regarded as part of the solicitation. Items not referenced herein remain unchanged. Words, phrases or sentences with a strikethrough represent deletions to the original solicitation. Underlined words and bolded, phrases or sentences represent additions to the original solicitation, as applicable.


Questions and Answers

Q1	Regarding the project mentioned above, what is the estimated value/budget and projected start date for work to begin?
<b>A1</b>	<b>1.8 million, projected start date is estimated mid-August</b>
Q2	Is there a topographical survey available?
<b>A2</b>	<b>Yes, please see the attached A1-1 topographical information.</b>
Q3	Gate: Is the contractor responsible for the keypad and other gate mechanisms?
<b>A3</b>	<b>No. In relation to the gate the contractor is responsible for the concrete pad, conduit and bollard as noted on the plans. The County IT department will install the security keypad and gate lock mechanisms.</b>
Q4	Is there a fence and gate to be installed on the Southwest side of the building?
<b>A4</b>	<b>There will be a fence, but no gate at this time.</b>
Q5	A. What permits will be needed for this project? B. How will the costs for the permit be handled?
<b>A5</b>	<b>A. To be obtained from the Contractor: Notice of Intent FDEP permit, Building Permit, City of Sebring Connection/FDEP Water &amp; Sewer permits, if applicable. County provided: SWFWMD and Development Order. B. A permit allowance will be added to the Itemized Bid Form. Permits will be reimbursed at cost, no markup.</b>

Q6	Will there be City fees for water and sewer?
<b>A6</b>	<b>Yes. Include any fees in the cost per LF line item #20.</b>
Q7	A. Is there a well on-site for the proposed irrigation? B. If no, will a separate meter be required?
<b>A7</b>	<b>A. Yes, please see the revised Sheet 9 of 11 of the Civil Site Plans. All incidental costs associated with the proposed well shall be included within Line Item #35 of the bid form.</b> <b>B. No separate meter is necessary for the irrigation.</b>
Q8	The plans show storage racks. Are they to be provided in the bid?
<b>A8</b>	<b>No. The County will purchase.</b>
Q9	Will the asphalt be supplied by the County?
<b>A9</b>	<b>No, asphalt will not be supplied by Highlands County.</b>
Note:	Additional questions/clarifications will be released in Addendum shortly.
<b>Attachments:</b>	A1-1 Topographical Information A1-2 a & b Itemized Bid form rev 5/02/2023 A1-3 Revised Civil Site Plans (page 9 was updated causing page numbers to be updated from original set), (11 pages) A1-4 Pre-Bid Sign-in Sheet



**EXHIBIT "A"**

REVISIONS			STATUS		DESIGNED BY: J.D. LANGFORD, P.E.			SCALE:					
DATE	BY	DESCRIPTION	<p style="text-align: center; color: red; font-weight: bold;">FOR INFORMATION</p>		<p style="text-align: center; font-weight: bold;">HIGHLANDS COUNTY ENGINEERING DEPARTMENT</p> <p style="text-align: center;">505 S. COMMERCE AVENUE SEBRING, FLORIDA 33870</p>			HORIZ.	VERT.				
												1"=60'	N/A
												PROJECT NO.	REV.
												19007	0
											SHEET 1 OF 1		

**KENILWORTH BLVD**

APPROVED BY: JAMES D. LANGFORD, JR., P.E.  
FLORIDA REGISTRATION NO.: 78402

DATE:

**DIVISION 0 - SECTION 00300  
BID FORM**

THIS BID IS SUBMITTED TO: Highlands County Board of County Commissioners  
Attn: Purchasing Division  
600 S Commerce Ave., Sebring, FL 33870

SOLICITATION IDENTIFICATION: **ITB 22-013**  
**New Traffic Operations Building**  
SOLICITATION NAME: **Highlands County Project No. 19007**

SUBMITTED BY: \_\_\_\_\_  
Bidder's Name  
\_\_\_\_\_  
Bidder's Authorized Representative's Name and Title  
\_\_\_\_\_  
Bidder's Address 1  
\_\_\_\_\_  
Bidder's Address 2  
\_\_\_\_\_  
Contact's Name and Title (Print)  
\_\_\_\_\_  
Contact's E-mail Address  
\_\_\_\_\_  
Contact's Phone Number  
\_\_\_\_\_  
Dun's Number  
\_\_\_\_\_  
Employer Identification Number/Federal Employer Identification (as shown on Sunbiz.org)

BIDDER IS: (CHECK ONE)

Individual       Partnership       Corporation  
 Limited Liability Company       Joint Venture\*

\*Each joint venturer must sign. The manner of signing for each individual, partnership and corporation that is a party to the joint venture should be in the manner indicated above for an individual or the appropriate form of entity.)

- A. The Bidder proposes and agrees, if this Bid is accepted, to furnish all labor, materials, and equipment to construct and complete the Work according to and as specified or indicated in the solicitation identified above and the Bidding Documents for the Bid Price and within the time periods stated in this Bid and in accordance with the other terms and conditions of the Contract Documents.
- B. Bidder accepts all of the terms and conditions of the Advertisement or Invitation to Bid and Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for thirty (30) days after the day of Bid opening. Bidder will sign and deliver the required number of the other documents required by this ITB within fifteen (15) days after the date of County's Notice of Award.
- C. **ACKNOWLEDGEMENT OF ADENDA** Bidder/Proposer represents that:
  - It is the sole responsibility of the bidder/proposer to check the Purchasing web-site for any addenda issued for this solicitation.

- Bidder/Proposer acknowledges they have examined and carefully studied this solicitation and the following Addenda (receipt of all which is hereby acknowledged):

Addenda Number	Date Issued	Addenda Number	Date Issued	Addenda Number	Date Issued	Addenda Number	Date Issued

1. Bidder has visited the Site and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, performance, and furnishing of the Work;
2. Bidder is familiar with and is satisfied as to all Laws and Regulations that may affect cost, progress, performance, and furnishing of the Work.
3. Bidder acknowledges that County and Project Manager do not assume responsibility for the accuracy or completeness of information and data shown or indicated in the Bidding Documents with respect to Underground Facilities at or contiguous to the Site. Bidder has obtained and carefully studied (or assumes responsibility for having done so) all such additional or supplementary examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface, and Underground Facilities) at or contiguous to the Site or otherwise which may affect cost progress, performance or furnishing of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder and safety precautions and programs incident thereto. Bidder does not consider that any additional examinations, investigations, explorations, tests, studies or data are necessary for the determination of this Bid for performance and furnishing of the Work in accordance with the times, price, and other terms and conditions of the Contract Documents.
4. Bidder is aware of the general nature of the Work to be performed by County and others at the Site that relates to the Work.
5. Bidder has correlated information known to Bidder, information and observations obtained from visits to the Site and all additional examinations, investigations, explorations, tests, studies, and data with the Contract Documents.
6. Bidder has given Project Manager written notice of all conflicts, errors, ambiguities or discrepancies that Bidder has discovered in the Bidding Documents and the written resolution thereof by Project Manager is acceptable to Bidder, and the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performing and furnishing the Work.
7. This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid. Bidder has not solicited or induced any person, firm or corporation to refrain from Bidding; Bidder is not privy to any information or have any knowledge of any information pertaining to this ITB to which other Bidders do not have access; and Bidder has not sought by collusion or any other means to obtain for itself any advantage over any other Bidder or over County.

## D. Documentation included with Bid packet

Forms		YES	NO
	<b>Proposal/Bid Form: include acknowledgement of all addenda, original signature.</b>		
	<b>Drug-Free Workplace Certification, F.S. 287.087</b>		
	<b>Public Entity Crimes Sworn Statement, F.S. 287.133</b>		
	<b>Discrimination Certification, F.S. 287.134</b>		
	<b>Scrutinized Companies Certification, F.S. 287.135</b>		
	<b>E Verify Certification</b>		
	<b>Statement of Indemnification</b>		
	<b>Sub-Contractor List</b>		
	<b>Trench Safety Certification</b>		
	<b>Bid Security in the form of _____, as required</b> Original Hard Copy of Bond sent to Purchasing to arrive prior to the submission deadline		
Miscellaneous Documentation		YES	NO
	<b>Woman or Minority Owned Business</b> <b>(Include a copy of your certificate if applicable)</b>		
	<b>Required Bidder's Qualification Statement with supporting data included</b>		
	<b>A list of three (3) jobs similar in scope in the last 5 years and size included</b>		
	<b>Copy of any applicable Licenses (Contractor's License)</b>		
	<b>Sunbiz.org print-out for bidder EIN#</b>		
	<b>Acord Insurance Certificate (sample included)</b>		
	<b>HARD COPY SUBMISSION: One (1) Original Submission Package, PAPER COPY) and one (1) exact electronic copy, on thumb drive, of the Submission package. With an additional excel file containing the "Itemized Bid Form" to be completed and included as an unlocked Excel file."</b> <b>OR</b> <b>ELECTRONIC SUBMISSION: Upload one (1) all-inclusive adobe file of the Submission package to the County Website via VendorRegistry.com. With an additional excel file containing the "Itemized Bid Form" to be completed and included as an unlocked Excel file." Files are to be labeled "22-009 bidder name". Reminder: Bid Bond Original, hard copy to be received in Purchasing Dept prior to submission deadline.</b>		
	<b>Sealed Submission Label</b>		

## E. Pricing

1. This is a Lump Sum and Unit Price Bid. Bidder will complete the Work in accordance with the Contract Documents for the following Lump Sum and Unit Price Bid items. Award will be based on the total Lump Sum Bid Price, sum of Unit Price items, and requirements of Bidder. All work for this ITB will be awarded to one (1) Bidder. Bidder agrees to hold pricing for 120 calendar days from the solicitation deadline. In the event of a discrepancy the unit price shall prevail to determine the extended price.

**Insert A1-2b, Excel File, here**

**CIVIL CONSTRUCTION COSTS:**

TASK NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	Extended Price (Qty*Unit)
1	MOBILIZATION	1	LS		
2a	BONDS (reimbursed at no markup)	1	LS		
2b	INSURANCE (reimbursed at cost, no markup)	1	LS		
3	CONSTRUCTION MARKING INC. A	1			
4	M	1			
5	TE (SIL	1,35			
6	REGU				
7	EMBANK				
8	OPTIONAL (GROUP 1), 4"				
9	OPTIONAL BASE (GROUP 8), 6" COM				
10	4" THK CONCRETE BACKFLOW PREVENT (PSI) & GATE CONTROL				
11	6" THK CONCRETE FOR BAY ENTRIES, DUMPST (PSI)				
12	TYPE B STABILIZATION COMPACTED THICK				
13	TYPE B STABILIZATION COMPACTED THICK				
14	SUPERPAVE SP 9.5, 1-1/2"				
15	15" RED				
16	18" P	1			
17	18"	1			
18	TYPE	6			
19	BACKFL	1			
20	1-1/2" PVC (UTILITY WATER SERVICE) INC. S	156			
21	3/4" PVC (UTILITY PL WATER SERVICE)	137	LF		

22	PVC TEE (UTILITY PLAN WATER SERVICE)	1	EA	
23	4" PVC (P... DRING OPERA... N-OUT)	65		
24	8' C... AUTOMATED (E) ...RY TAKE	142		
25				
26	S... (12...)			
27	SINGLE STOP SIGN			
28	CONCRETE			
29	PAINTED PAVEMENT WHITE, SOLID, 6"			
30	PAINTED PAVEMENT BLUE, SOLID, 6"			
31	PAINTED PA... STANDARD WHEEL... OF AC...			
32	PA... Y...			
33				
34				
36	...TION (P...)	1		
<b>TOTAL</b> [numeric]				

LS = Lump Sum, SY = Square Yard, TN = Ton, LF = Linear Foot, and EA = Each  
 Yard, AS=Assembly

The total of the items listed above must total the lump sum amount below.

**Total Lump Sum Bid Amount:** \_\_\_\_\_  
 [Written in Words]



- F. **Term:** Bidder agrees that the Work will be **substantially complete** within **three-hundred & thirty-five (335) calendar days** and achieve **final completion** and ready for final payment within **three-hundred & sixty-five (365) calendar days** after the date when the Contract Times commence to run. The Contract Times will commence to run on the thirteenth (13<sup>th</sup>) day after the Effective Date of the Agreement or, if a Notice to Proceed is given, on the day indicated in the Notice to Proceed. A Notice to Proceed may be given at any time within thirty (30) days after the Effective Date of the Agreement.
- G. **Liquidated Damages:** Owner and Contractor recognize that time is of the essence of this Agreement, and that Owner will suffer financial loss if the Work is not completed within the times specified. In agreeing upon the daily liquidated damages amount stated in this paragraph, Owner and Contractor have considered the original Contract Price, the average construction, engineering, and inspection costs experienced by Owner, and anticipated costs of project-related delays and inconveniences to Owner and the public. Owner and Contractor also recognize the delays, expense, and difficulties involved in proving the actual loss suffered by Owner if the Work is not completed on time. Accordingly, instead of requiring any such proof, Owner and Contractor agree that as liquidated damages for delay (and not as a penalty) Contractor shall pay Owner **One-Thousand Five Hundred Dollars (\$1,500.00)** for each calendar day that expires after the time specified in paragraph 3.01 of this Article until the Work is completed and ready for final payment. Liquidated damages shall be deducted by Owner from any balance due Contractor or, if the balance due Contractor is less than the amount of liquidated damages, Contractor shall pay to Owner the remaining unpaid liquidated damages within thirty (30) days after Owner's invoice is sent to Contractor.

Owner does not waive its right to liquidated damages due under this Agreement by allowing Contractor to continue and to finish the Work, or any part of it, after the expiration of the Contract Time including granted time extensions.

In the case of a default of this Agreement and the completion of the Work by Owner, Contractor and Contractor's surety are liable for the liquidated damages under this Agreement, but Owner will not charge liquidated damages for any delay in the final completion of Owner's performance of the Work due to any unreasonable action or delay on the part of Owner.

- H. Bidder shall coordinate with the Project Manager in order to comply with all applicable quality control testing in accordance with the Drawings and Specification.
- I. **Statement of Acknowledgement: The Contractor agrees to comply with s.20.055(5), Florida Statutes, and to incorporate in all subcontracts the obligation to comply with s.20.055(5), Florida Statutes as shown below.**  
**(5) It is the duty of every state officer, employee, agency, special district, board, commission, contractor, and subcontractor to cooperate with the inspector general in any investigation, audit, inspection, review, or hearing pursuant to this section. Beginning July 1, 2015, each contract, bid, proposal, and application or solicitation for a contract shall contain a statement that the corporation, partnership, or person understands and will comply with this subsection**
- J. Communications concerning this Bid have been addressed only to the contacts listed in Article 23 of Section 00100 of ITB 22-013-LKD.

Submitted on: \_\_\_\_\_, 20\_\_\_\_.

State Contractor License No. \_\_\_\_\_.

**If Bidder is:**

**An Individual:**

Individual Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Doing business as: \_\_\_\_\_

Business address: \_\_\_\_\_

Phone No.: \_\_\_\_\_

**A Partnership:**

(SEAL)

Partnership's name: \_\_\_\_\_

State in which organized: \_\_\_\_\_

Type of partnership: \_\_\_\_\_

Name of general partner: \_\_\_\_\_

Signature: \_\_\_\_\_

Business address: \_\_\_\_\_

Phone No.: \_\_\_\_\_

**A Corporation:**

(SEAL)

Corporation's name: \_\_\_\_\_

State of incorporation: \_\_\_\_\_

Name of authorized person to sign: \_\_\_\_\_

Title: \_\_\_\_\_

Signature: \_\_\_\_\_

Date of qualification to do business: \_\_\_\_\_

Attest: (Secretary) \_\_\_\_\_

Business address: \_\_\_\_\_

Phone No.: \_\_\_\_\_

**A Limited Liability Company:**

Limited Liability Company's name: \_\_\_\_\_

State in which registered: \_\_\_\_\_

Type of limited liability company  
(member managed, or manager  
managed)

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Name of manager or authorized  
member to sign:

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Signature:

---

Business address:

---

Phone No.:

---

**A Joint Venture:**

(SEAL)

Name 1:

---

---

Signature 1:

---

Address 1:

---

Name 2:

---

Signature 2:

---

Address 2:

---

Address for receipt of official  
communications:

---

Phone number for official  
communications:

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**(Each joint venturer must sign. The manner of signing for each individual, partnership and corporation that is a party to the joint venture should be in the manner indicated above for an individual or the appropriate form of entity.)**

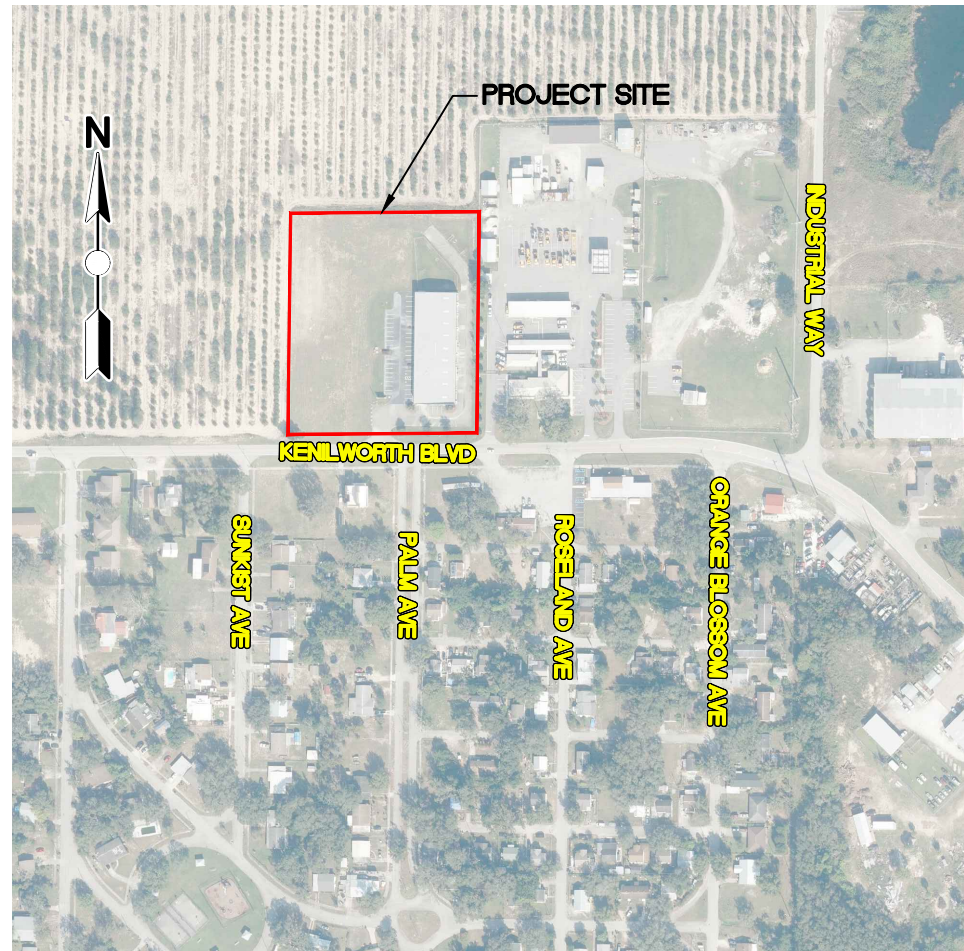
# HIGHLANDS COUNTY BOARD OF COUNTY COMMISSIONERS CONSTRUCTION PLANS FOR NEW TRAFFIC OPERATIONS BUILDING HIGHLANDS COUNTY PROJECT NO. 19007

- SHEET DESCRIPTION**
- 1 COVER SHEET
  - 2 GENERAL NOTES
  - 3 TYPICAL SECTIONS
  - 4 SITE PLAN
  - 5 GRADING & DRAINAGE PLAN
  - 6 UTILITY PLAN
  - 7 DETAILS
  - 8 LANDSCAPE PLAN
  - 9 IRRIGATION PLAN
  - 10 IRRIGATION DETAILS
  - 11 LANDSCAPE & IRRIGATION NOTES

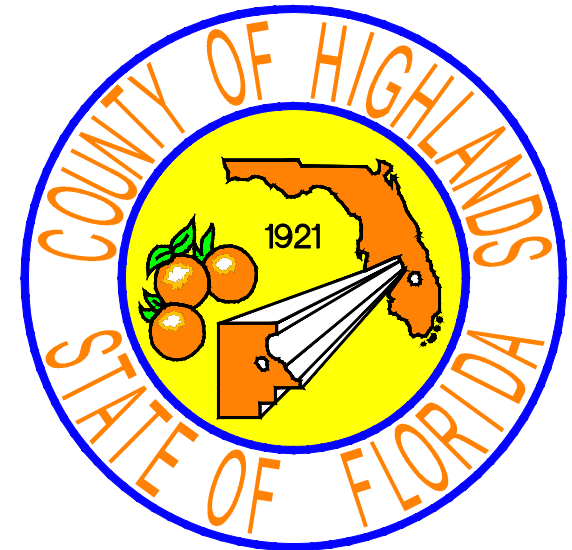
*sunshine state*  
**ONE CALL 811**  
of Florida

**DIAL 811**  
Local No. 1-800-432-4770  
Notification # \_\_\_\_\_  
Call 48 hours before you dig.

STATE LAW REQUIRES EXCAVATORS TO CALL 811 BEFORE DIGGING PER THE "UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT" CHAPTER 556, FLORIDA STATUTES. FAILURE TO CALL CAN RESULT IN FINES FROM \$250 TO \$5,000.



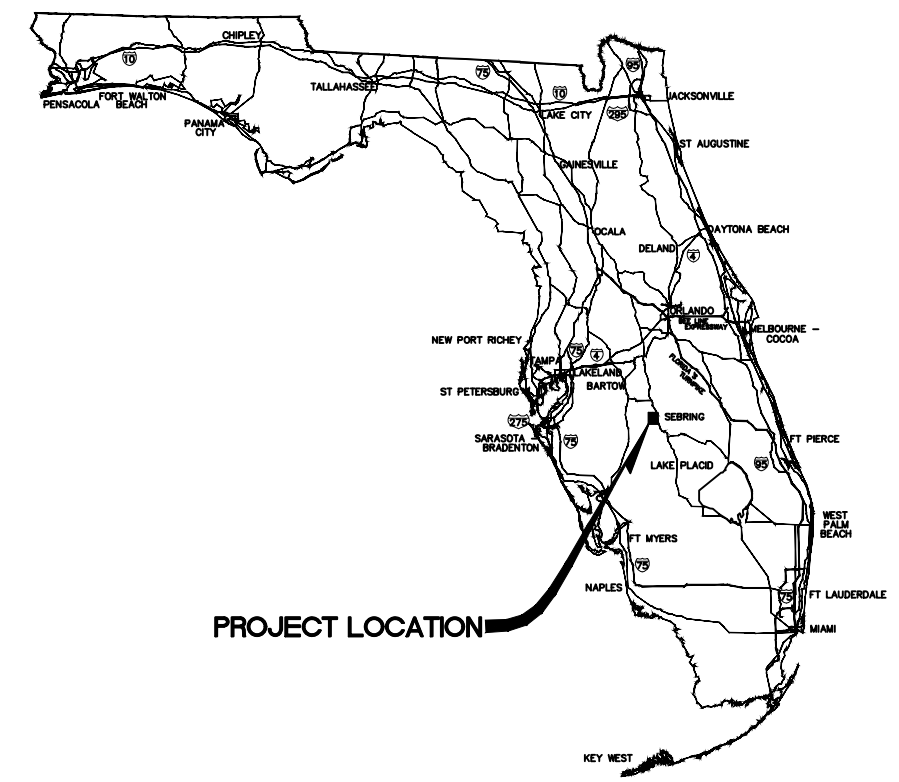
**PROJECT LOCATION MAP  
(NOT TO SCALE)**



**CLINTON HOWERTON, JR., P.E.**  
COUNTY ENGINEER

ENGINEER OF RECORD  
**J.D. LANGFORD, P.E.**

## APPENDIX "B"



**GOVERNING STANDARD PLANS:**

Florida Department of Transportation, FY2021-22 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website:  
<http://www.fdot.gov/design/standardplans>

**GOVERNING SPECIFICATIONS:**

Florida Department of Transportation, January 2022 Standard Specifications for Road and Bridge Construction at the following website:  
<http://www.fdot.gov/programmanagement/implemented/SpecBooks>  
City of Sebring Municipal Code

PLANS PREPARED BY HIGHLANDS COUNTY ENGINEERING DEPARTMENT

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN ALTERED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

REVISIONS			STATUS	DESIGNED BY: J.D. LANGFORD, P.E.	HIGHLANDS COUNTY ENGINEERING DEPARTMENT 505 S. COMMERCE AVENUE SEBRING, FLORIDA 33870		HIGHLANDS COUNTY NEW TRAFFIC OPERATIONS BUILDING COVER	SCALE:	
DATE	BY	DESCRIPTION						HORIZ. N/A	VERT. N/A
			FOR BID	DRAWN BY: STACEY MAHONEY CHECKED BY: J.D. LANGFORD, P.E. IN CHARGE: J.D. LANGFORD, P.E. DATE: 5/1/2023	APPROVED BY: JAMES D. LANGFORD, JR., P.E. FLORIDA REGISTRATION NO.: 78402			PROJECT NO. 19007	REV. 0
©:\PROJECTS\2019\19007 New Traffic Operations Building\All Drawings\19007 New Traffic Operations Building.dwg, 1 COV, Mahoney, Stacey Colors As Black Except Gray Colors.ctb								SHEET 1 OF 11	

**SURVEY & STAKEOUT NOTES:**

- EXISTING SECTION CORNERS AND 1/4 SECTION CORNERS, AND OTHER LAND MARKERS OR MONUMENTS LOCATED WITHIN PROPOSED CONSTRUCTION ARE TO BE REFERENCED PRIOR TO CONSTRUCTION AND RESET AFTER CONSTRUCTION. THE CONTRACTOR SHALL HAVE THIS WORK DONE BY A REGISTERED PROFESSIONAL LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE (FLORIDA REGISTRATION). ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD NOTIFY THE COUNTY SURVEYOR, WITHOUT DELAY, BY TELEPHONE.
- BENCHMARK DATA IS NORTH AMERICA VERTICAL DATUM OF 1988 (NAVD 88).
- IF PROVIDED, AND UNLESS OTHERWISE SPECIFIED, THE CONTROL POINT COORDINATES SHOWN ARE REFERENCED TO THE FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (NAD'83), 2007 ADJUSTMENT.
- GRADES SHOWN ARE THE FINISHED GRADES.

**UTILITY & DRAINAGE NOTES:**

- EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS NOTED OTHERWISE.
- THE APPROPRIATE UTILITY COMPANY SHALL BE NOTIFIED BY THE CONTRACTOR 48 HOURS IN ADVANCE OF ANY EXCAVATION INVOLVING THEIR UTILITIES SO THAT A COMPANY REPRESENTATIVE CAN BE PRESENT.
- THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES OR UNDERGROUND UTILITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES TO REMAIN IN PLACE.
- THE CONTRACTOR SHALL CALL 811 FOR FIELD LOCATIONS NO LESS THAN 48 HOURS IN ADVANCE OF DIGGING NEAR UNDERGROUND UTILITIES.
- PRIOR TO COMMENCEMENT OF ANY EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH FLORIDA STATUTE 553.851 FOR THE PROTECTION OF UNDERGROUND GAS PIPELINES.
- THE LOCATION OF THE EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. IN ADDITION, THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY IF "OTHER" UTILITIES (NOT SHOWN IN THE PLANS) EXIST WITHIN THE AREA OF CONSTRUCTION. SHOULD THERE BE UTILITY CONFLICTS, THE CONTRACTOR SHALL INFORM THE ENGINEER AND NOTIFY THE RESPECTIVE UTILITY OWNERS TO RESOLVE UTILITY CONFLICTS AND UTILITY ADJUSTMENTS, AS REQUIRED.
- ALL VALVES WITHIN AREA OF CONSTRUCTION OR DISTURBED BY CONSTRUCTION TO BE ADJUSTED TO FINISHED GRADE. REPLACE VALVE COLLARS AND BOXES AS NECESSARY.

**PAVEMENT MARKING & SIGNAGE NOTES:**

- CROSSWALKS SHALL BE 12" WHITE STRIPES UNLESS NOTED OTHERWISE.
- STOP BARS SHALL BE 24" WHITE STRIPES AND SHALL BE A MINIMUM OF 4' FROM CROSSWALKS AT THE CLOSEST POINT. THE CLOSEST EDGE OF STOP SIGNS SHALL BE 6' FROM EDGE OF PAVEMENT AND PLACED DIRECTLY ADJACENT TO THE STOP BAR.

**CLEARING, GRUBBING & LANDSCAPING NOTES:**

- CONTRACTOR SHALL BE RESPONSIBLE FOR CLEARING BRUSH & VEGETATION WITHIN R/W.
- ALL DISTURBED AREA WITHIN THE RIGHT-OF-WAY SHALL BE SODDED WITH "LIKE KIND" SOD. THE AREAS ON WHICH SOD IS TO BE PLACED SHALL BE THOROUGHLY WETTED PRIOR TO AND AFTER PLACEMENT IS COMPLETE. NO ADDITION OF TOP SOIL MATERIAL IS REQUIRED PRIOR TO PLACEMENT.
- ALL SOD MATERIALS SHALL BE SUBJECT TO INSPECTION BY THE ENGINEER PRIOR TO PLACEMENT. ANY SOD WITH NOXIOUS WEEDS AND GRASSES, INCLUDING TROPICAL SODA APPLE SHALL BE REJECTED FOR USE ON THIS PROJECT.

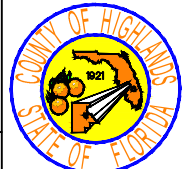
**MISCELLANEOUS NOTES:**

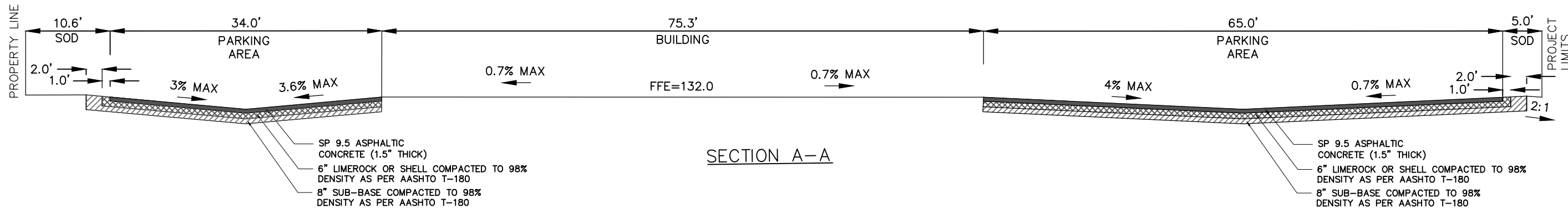
- CONTRACTOR SHALL SUBMIT A CONSTRUCTION SCHEDULE TO THE ENGINEER, IN CONJUNCTION WITH THE HIGHLANDS COUNTY ENGINEERING DEPARTMENT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- PROPOSED CONCRETE SIDEWALKS SHALL MEET ADA STANDARDS. IT IS RECOMMENDED THAT ALL CROSS SLOPES ARE CONSTRUCTED AT 1.5%.
- EXISTING DRIVEWAYS WITHIN THE LIMITS OF THIS PROJECT ARE TO BE REPLACED AT THE SAME LOCATION AND WIDTH, UNLESS OTHERWISE SHOWN IN THE PLANS.
- THE CONTRACTOR SHALL REMOVE SURVEY STAKES AND EROSION CONTROL ITEMS PRIOR TO THE COMPLETION OF THE CONTRACT.
- CONTRACTOR SHALL OBTAIN AND PAY FOR ALL CONSTRUCTION PERMITS AND LICENSES. COUNTY SHALL ASSIST CONTRACTOR, WHEN NECESSARY, IN OBTAINING SUCH PERMITS AND LICENSES.
- CONTRACTOR WILL BE REQUIRED TO PROVIDE AND INSTALL POURED CONCRETE PEDESTALS AT ALL GATE CONTROL DEVICES.

**UTILITY COMPANIES**

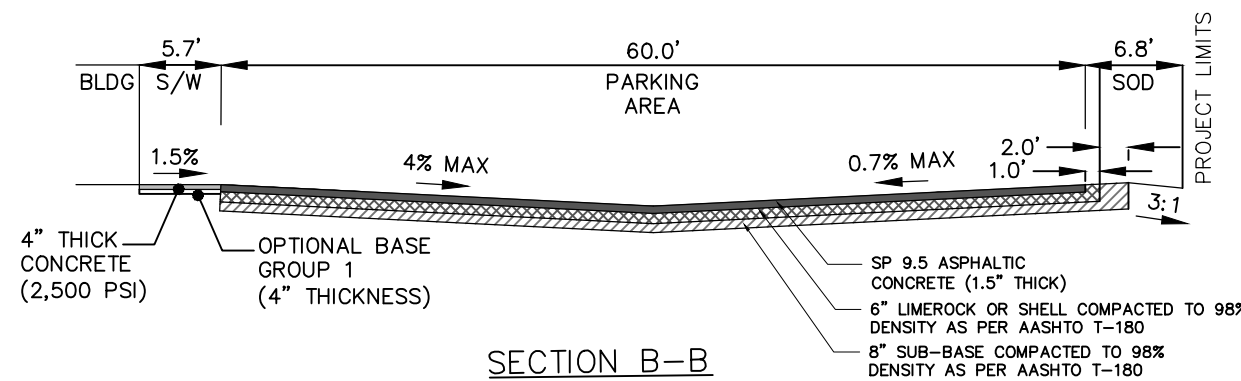
COMCAST 12600 WESTLINKS DR. SUITE #4 FORT MYERS FL, 33913 LYNN DUNDAS CONSTRUCTION SPECIALIST II CELL 239-896-6328	LEVEL 3 COMMUNICATIONS 1025 ELDORADO BLVD, BLDG 13C04 BROOMFIELD, CO 80021 JUDY HENRY 720-888-2061	NETWORK RELATIONS CENTURYLINK 1025 ELDORADO BLVD. BROOMFIELD, CO 80021 877-366-8344 Ext: 2
TECO-PEOPLES GAS 445 KATHLEEN ROAD LAKELAND, FL 33815 JENNIFER LOWERS 863-603-2226	HIGHLANDS COUNTY TRAFFIC 505 SOUTH COMMERCE AVE. SEBRING, FL 33870 EDWARD CARDONA 863-402-6536 Ext:6536	CITY OF SEBRING 368 S. COMMERCE AVE. SEBRING, FLORIDA 33870 BOB BOGGUS (863)471-5100
CENTURY LINK 924 MEMORIAL DRIVE AVON PARK, FL 33825 KEN LUTZ 863-452-3185	DUKE ENERGY 4728 KENILWORTH BLVD SEBRING, FL 33870 MARK MANNER (863) 678-4476	SEBRING GAS SYSTEMS, INC. 3515 U.S. HIGHWAY 27 SEBRING, FLORIDA KATHY SNYDER (863) 385-0194

NEW TRAFFIC OPERATIONS BUILDING HIGHLANDS COUNTY PROJECT NO. 19007			
BASE BID			
TASK NO.	ITEM DESCRIPTION	QUANTITY	UNIT
1	MOBILIZATION	1	LS
2	CONSTRUCTION SURVEY STAKING INCLUDING AS-BUILT	1	LS
3	TESTING	1	LS
4	MAINTENANCE OF TRAFFIC	1	LS
5	SEDIMENT BARRIER TEMPORARY	1,354	LF
6	REGULAR EXCAVATION	56.62	CY
7	EMBANKMENT (IN-PLACE)	1,508	CY
8	OPTIONAL BASE GROUP 1 (4" THICKNESS)	85	SY
9	OPTIONAL BASE GROUP 8 (6" THICKNESS)	2,216	SY
10	4" THICK CONCRETE FOR SIDEWALK, BACKFLOW PREVENTOR PAD (2,500 PSI) & GATE CONTROL DEVICES	86	SY
11	6" THICK CONCRETE FOR GENERATOR, BAY ENTRIES, DUMPSTER PAD (4,000 PSI)	78	SY
12	TYPE B STABILIZATION (8" COMPACTED THICKNESS)	3,220	SY
13	TYPE B STABILIZATION (12" COMPACTED THICKNESS)	473	SY
14	SUPERPAVE ASPHALTIC CONCRETE, SP 9.5, 1 1/2" THICK, RAP 30% MAXIMUM	198	TN
15	15" REINFORCED CONCRETE PIPE (RCP)	612	LF
16	18" REINFORCED CONCRETE PIPE (RCP)	121	LF
17	18" MITERED END SECTION	1	EA
18	TYPE "C" INLET	6	EA
19	BACKFLOW PREVENTOR	1	EA
20	1-1/2" PVC (UTILITY PLAN WATER SERVICE) INC. SERVICE TAP	156	LF
21	3/4" PVC (UTILITY PLAN WATER SERVICE)	137	LF
22	PVC TEE (UTILITY PLAN WATER SERVICE)	1	EA
23	4" PVC (INCLUDING CORING OPERATIONS AND CLEAN-OUT)	65	LF
24	8' CHAINLINK FENCE (INCLUDING 24' AUTOMATED GATE AND PEDESTRIAN GATE)	142	LF
25	DETECTABLE WARNING, YELLOW, EMBEDDED	10	SF
26	SINGLE POST SIGN, F & I, R7-8-FL (12" X18") HANDICAP PARKING SIGN	2	AS
27	SINGLE POST SIGN, F & I, R1-1 (30" X30"), STOP SIGN	1	AS
28	CONCRETE PARKING BUMPER	22	EA
29	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	453	LF
30	PAINTED PAVEMENT MARKINGS, STANDARD, BLUE, SOLID, 6"	72	LF
31	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE HANDICAP SYMBOL	2	EA
32	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 24"	12	LF
33	YELLOW CONCRETE BOLLARDS	3	EA
34	LANDSCAPING	1	LS
35	IRRIGATION	1	LS

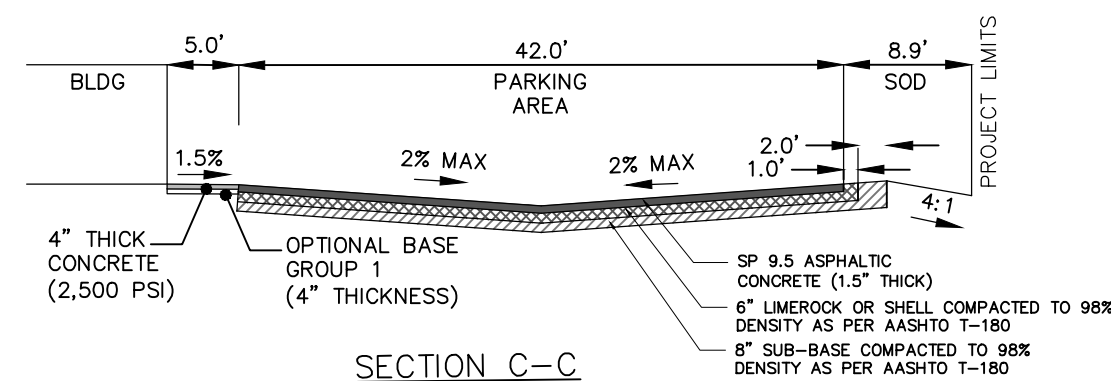
<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>BY</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>		REVISIONS		DATE	BY									<table border="1"> <thead> <tr> <th colspan="2">STATUS</th> </tr> </thead> <tbody> <tr> <td colspan="2" style="text-align: center; color: red; font-weight: bold;">FOR BID</td> </tr> </tbody> </table>	STATUS		FOR BID		DESIGNED BY: J.D. LANGFORD, P.E.  DRAWN BY: STACEY MAHONEY  CHECKED BY: J.D. LANGFORD, P.E.  IN CHARGE: J.D. LANGFORD, P.E.  DATE: 5/1/2023	<p style="text-align: center;"><b>HIGHLANDS COUNTY ENGINEERING DEPARTMENT</b> 505 S. COMMERCE AVENUE SEBRING, FLORIDA 33870</p>		<p style="text-align: center;">HIGHLANDS COUNTY NEW TRAFFIC OPERATIONS BUILDING GENERAL NOTES</p>	SCALE: HORIZ. N/A VERT. N/A  PROJECT NO. 19007 REV. 0  SHEET 2 OF 11
REVISIONS																							
DATE	BY																						
STATUS																							
FOR BID																							
APPROVED BY: JAMES D. LANGFORD, JR., P.E. FLORIDA REGISTRATION NO.: 78402		DATE:																					



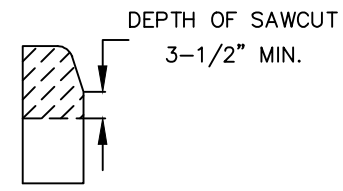
SECTION A-A



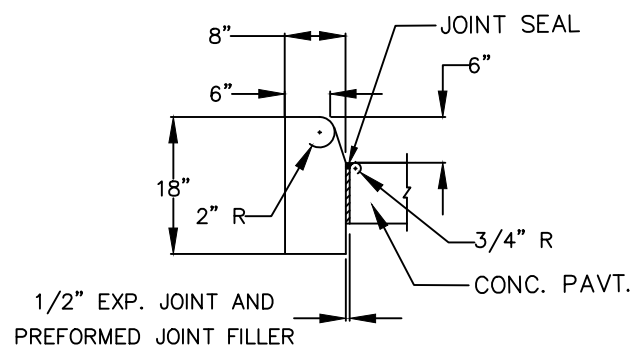
SECTION B-B



SECTION C-C

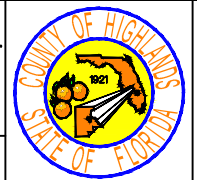


CONTRACTION JOINT IN CURB



TYPE D CURB

NOTE: FOR USE ADJACENT TO CONCRETE OR FLEXIBLE PAVEMENT, CONCRETE SHOWN. EXPANSION JOINT, PREFORMED JOINT FILLER AND JOINT SEAL ARE REQUIRED BETWEEN CURBS AND CONCRETE PAVEMENT ONLY.

REVISIONS			STATUS	DESIGNED BY: J.D. LANGFORD, P.E.	DRAWN BY: STACEY MAHONEY	CHECKED BY: J.D. LANGFORD, P.E.	IN CHARGE: J.D. LANGFORD, P.E.	DATE: 5/1/2023	APPROVED BY: JAMES D. LANGFORD, JR., P.E. FLORIDA REGISTRATION NO.: 78402	DATE:	SCALE: HORIZ. N/A VERT. N/A	PROJECT NO. 19007	REV. 0	
DATE	BY	DESCRIPTION												
			FOR BID	<b>HIGHLANDS COUNTY ENGINEERING DEPARTMENT</b> 505 S. COMMERCE AVENUE SEBRING, FLORIDA 33870						HIGHLANDS COUNTY NEW TRAFFIC OPERATIONS BUILDING TYPICAL SECTIONS			SHEET 3 OF 11	

**PROJECT:**

PROJECT AREA = 4,879 S.Y.  
 IMPERVIOUS AREA = 3,311 S.Y.  
 PERVIOUS AREA = 1,568 S.Y.  
 WETLANDS = 0.0 AC.

**BUILDING SIZE:**

4,696 GFA CONDITIONED SPACE  
 5,650 GFA WAREHOUSE/UNCONDITIONED

**PARKING CALCULATIONS:**

OFFICE ADMIN. SERVICES 1 PER 400 SF GFA  
 WAREHOUSE 1 PER 600 SF GFA

**OFFICE SPACE:**

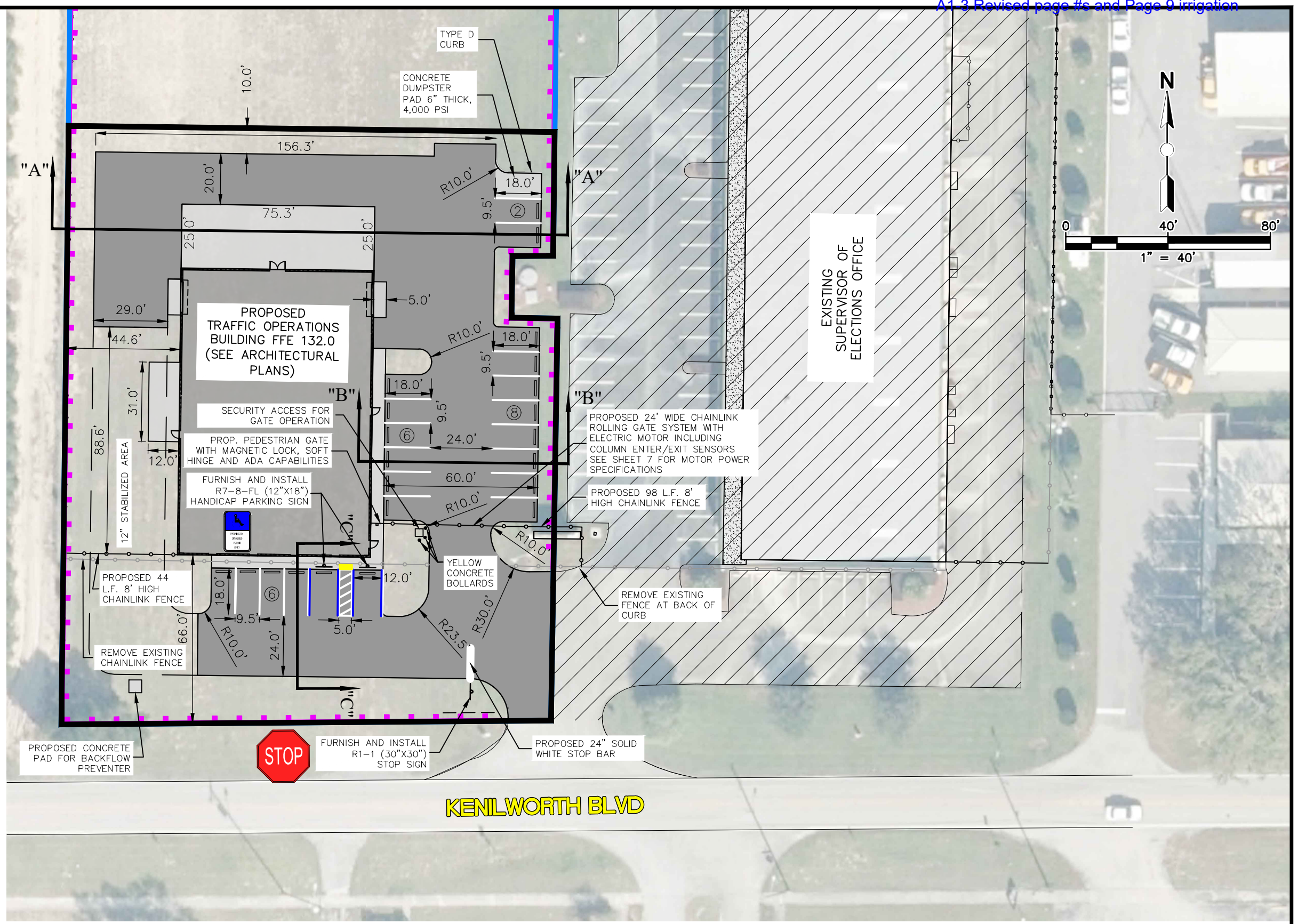
4,696/400 = 11.74 OR 12 SPACES

**WAREHOUSE:**

5,650/600 = 9.42 OR 10 SPACES  
 PARKING SPACES REQUIRED = 22 SPACES  
 PARKING SPACES PROVIDED = 22 SPACES

**NOTE:**

CONTRACTOR TO INSPECT EXISTING ROLLING & PEDESTRIAN GATES AT EASTERN ENTRANCE OF THE SITE TO GAIN A BETTER UNDERSTANDING OF THE POWER, SENSOR, HARDWARE AND MECHANIC NECESSITY FOR THE PROPOSED WESTERN ENTRANCE PRIOR TO BID SUBMISSION.



PROPOSED ASPHALT PAVING
  PROPOSED 5" CONCRETE SIDEWALK AND CONCRETE PADS
  PROP. DETECTABLE WARNING, YELLOW, EMBEDDED
  TEMPORARY SEDIMENT BARRIER

REVISIONS		
DATE	BY	DESCRIPTION

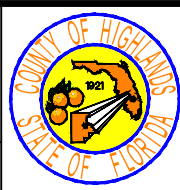
FOR BID

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 DRAWN BY: STACEY MAHONEY  
 CHECKED BY: J.D. LANGFORD, P.E.  
 IN CHARGE: J.D. LANGFORD, P.E.  
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HIGHLANDS COUNTY  
 ENGINEERING DEPARTMENT  
 505 S. COMMERCE AVENUE  
 SEBRING, FLORIDA 33870

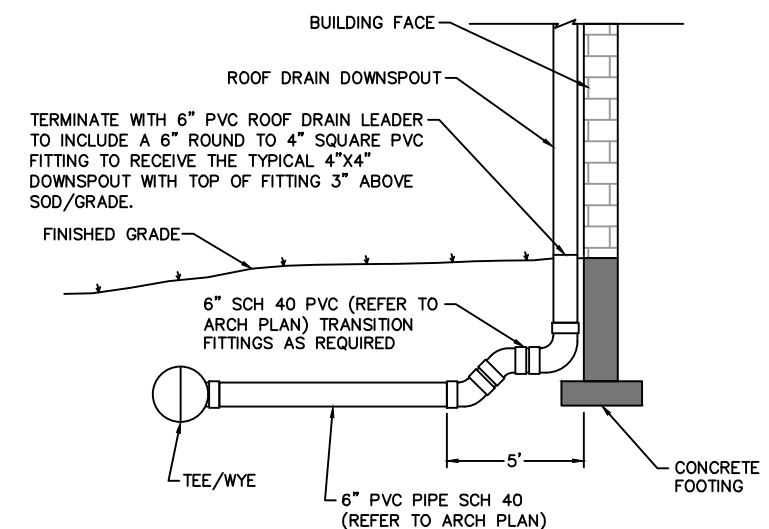
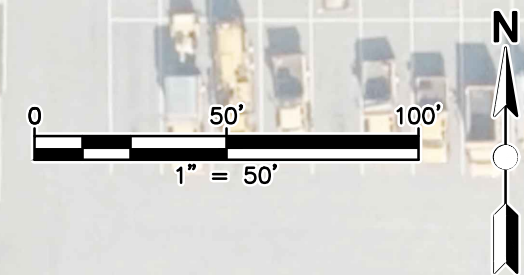
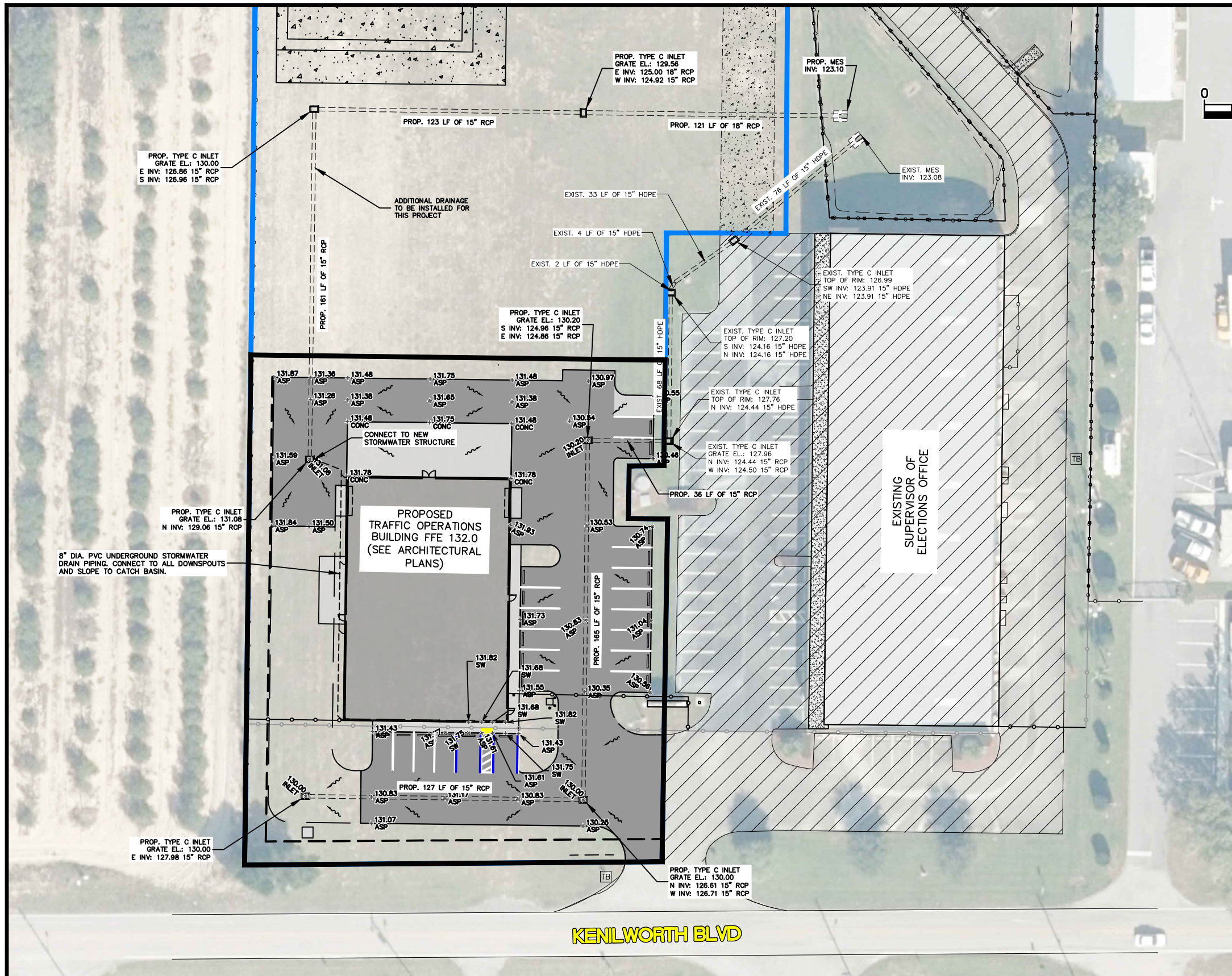
APPROVED BY: JAMES D. LANGFORD, JR., P.E.  
 FLORIDA REGISTRATION NO.: 78402

DATE: \_\_\_\_\_



HIGHLANDS COUNTY  
 NEW TRAFFIC OPERATIONS BUILDING  
 SITE PLAN

SCALE: HORIZ. 1"=40' VERT. N/A	
PROJECT NO. 19007	REV. 0
SHEET 4 OF 11	



3 ROOF DRAIN DETAIL  
C800 N.T.S.

REVISIONS		
DATE	BY	DESCRIPTION

STATUS
FOR BID

DESIGNED BY:  
J.D. LANGFORD, P.E.

DRAWN BY:  
STACEY MAHONEY

CHECKED BY:  
J.D. LANGFORD, P.E.

IN CHARGE:  
J.D. LANGFORD, P.E.

DATE:  
5/1/2023

**HIGHLANDS COUNTY  
ENGINEERING DEPARTMENT**  
505 S. COMMERCE AVENUE  
SEBRING, FLORIDA 33870

APPROVED BY: JAMES D. LANGFORD, JR., P.E.  
FLORIDA REGISTRATION NO.: 78402

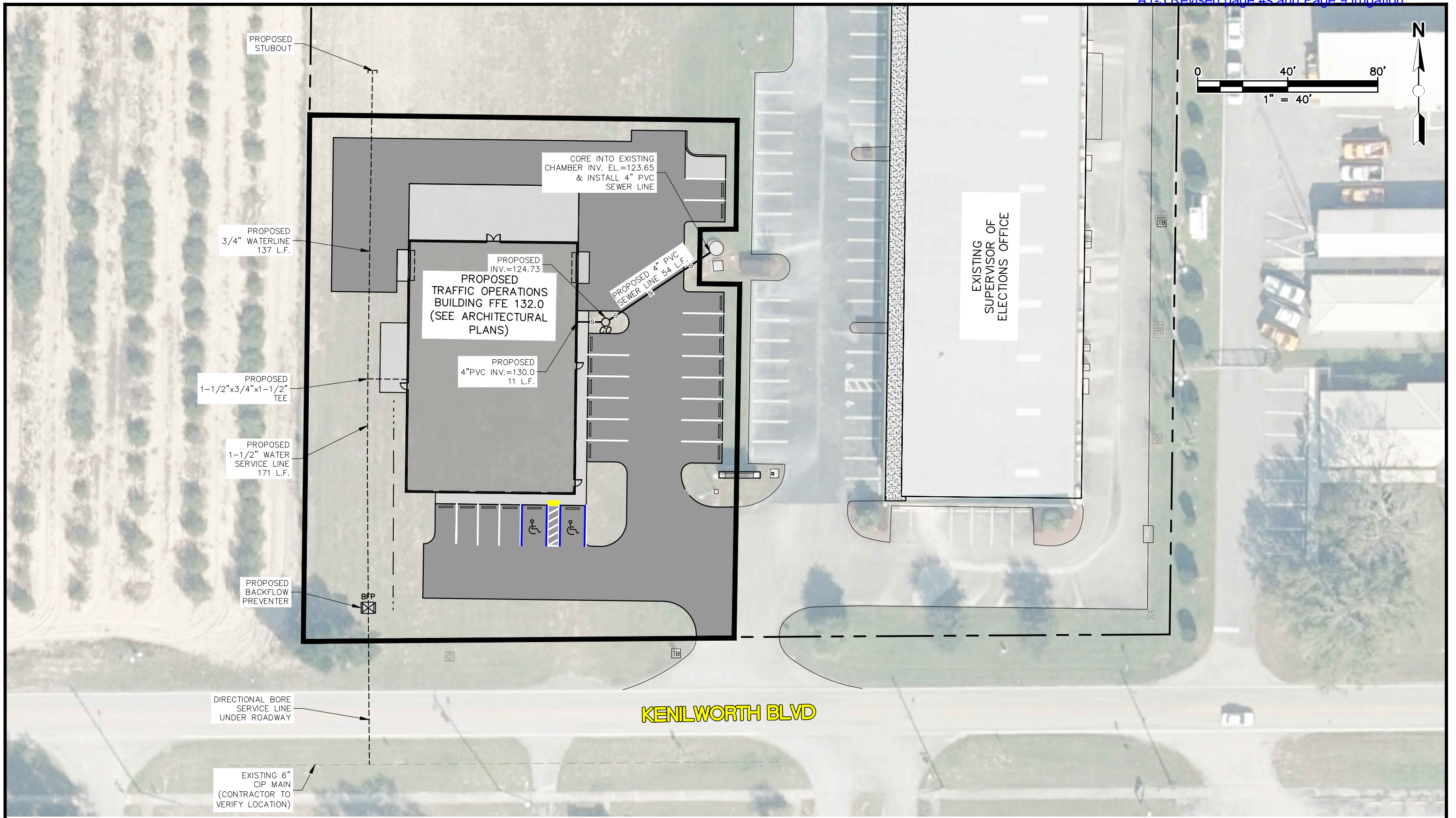
DATE:



**HIGHLANDS COUNTY  
NEW TRAFFIC OPERATIONS BUILDING  
GRADING & DRAINAGE PLAN**

SCALE: HORIZ. 1"=50' VERT. N/A	
PROJECT NO. 19007	REV. 0
SHEET 5 OF 11	





REVISIONS		
DATE	BY	DESCRIPTION

STATUS

**FOR BID**

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J.D. LANGFORD, P.E.

DRAWN BY:  
STACEY MAHONEY

CHECKED BY:  
J.D. LANGFORD, P.E.

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J.D. LANGFORD, P.E.

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**HIGHLANDS COUNTY  
ENGINEERING DEPARTMENT**  
505 S. COMMERCE AVENUE  
SEBRING, FLORIDA 33870

APPROVED BY: JAMES D. LANGFORD, JR., P.E.  
FLORIDA REGISTRATION NO.: 78402

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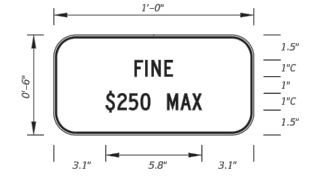
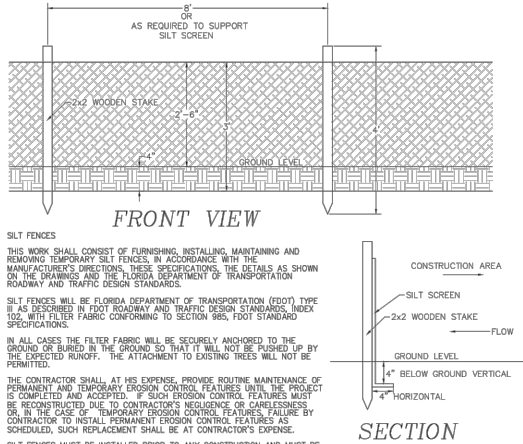
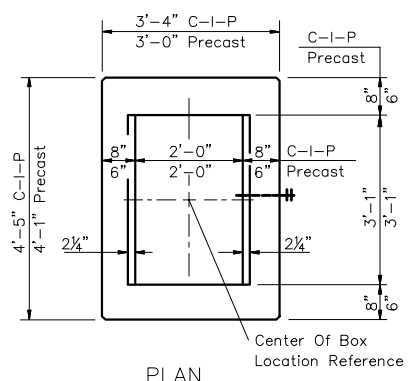


HIGHLANDS COUNTY  
NEW TRAFFIC OPERATIONS BUILDING  
UTILITY PLAN

SCALE:  
HORIZ. 1"=40'  
VERT. N/A

PROJECT NO. 19007	REV. 0
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SHEET 6 OF 11



FTP-22-06  
1' x 6"  
1" Radii 3/8" Border  
1" Series C Legend  
White Background  
Black Legend and Border

Supplemental Panel for the FTP-20-06 and FTP-21-06 signs

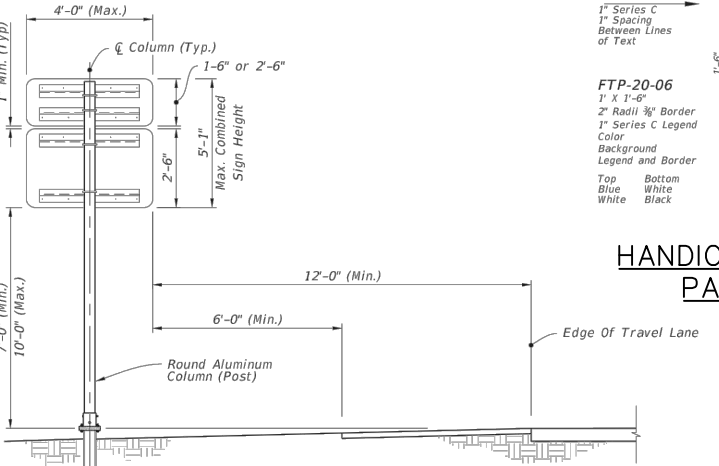
All Letters  
1" Series C  
1" Spacing  
Between Lines of Text



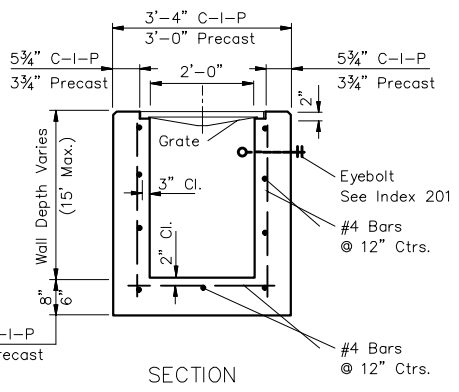
FTP-20-06  
1' x 1'-0"  
2" Radii 3/8" Border  
1" Series C Legend  
Color Background  
Legend and Border  
Top Bottom  
Blue White  
White Black

**HANDICAP ACCESSIBLE PARKING SIGN**

**SILT FENCE**



**SINGLE COLUMN GROUND SIGN**



**HORIZONTAL WALL REINFORCING SCHEDULES (TABLE 1)**

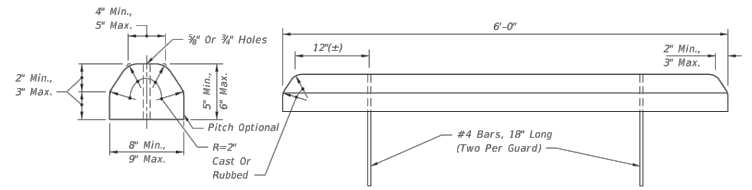
WALL DEPTH	SCHEDULE	AREA (in. <sup>2</sup> /ft.)	MAX. SPACING	
			BARS	WWF
0'-15'	A12	0.20	12"	8"

**TYPE C**

Recommended Maximum Pipe Size:

- 2'-0" Wall - 18" Pipe
- 3'-1" Wall - 24" Pipe (18" where an 18" pipe enters a 2'-0" wall)

**TYPE "C" INLET**



**CONCRETE BUMPER GUARD**

**VIKING Vehicular Gate Operator (OR EQUIVALENT) Model H-10**

Volts (VAC)	Freq (Hz)	Amps	Phase	Max Gate Weight (lbs)	VOLTS (VAC)
120	50-60	6.00 *	1	2,200	75 40 (1)
240	50-60	1.5	1	2,200	75 40 (1)

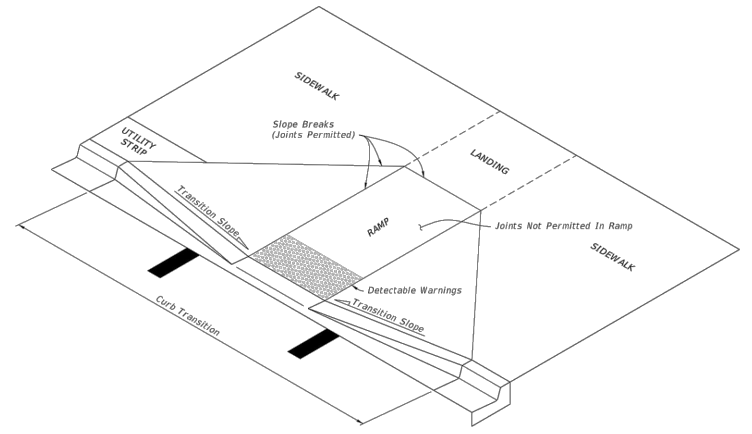
\* Includes 3 amp load on receptacle

**MAIN GATE & SINGLE GATE CONDUIT NOTES**

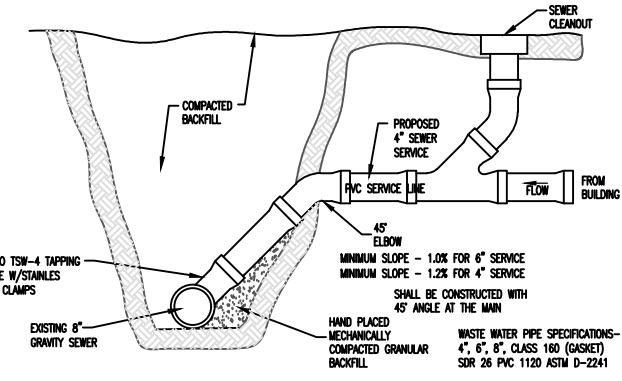
- 11-1/4" schedule 40 PVC pipe from the IT Communication Room to a 10"x8"x6" hinged enclosure to be mounted on the outside of the building and provided by the IT Department.
- 11" schedule 40 PVC raceway from the 10"x8"x6" hinged enclosure to the new motor pad provided by the general contractor.
- 11" schedule 40 PVC raceway from the 10"x8"x6" hinged enclosure to the exist single gate pedestal pad provided by the general contractor. The pedestal and switch devices for exist will be provided by the IT Department.
- 11" schedule 40 PVC raceway from the 10"x8"x6" hinged enclosure to the entrance pedestal pad provided by the general contractor. The pedestal and main gate FOB readers will be provided by the IT Department.
- 11" schedule 40 PVC raceway from the 10"x8"x6" hinged enclosure to inside the latch post of the single gate. The placement of the pipe in the post will be provided by the general contractor. The magnetic lock and FOB reader device for the single gate will be provided by the IT Department.

**GENERAL NOTES:**

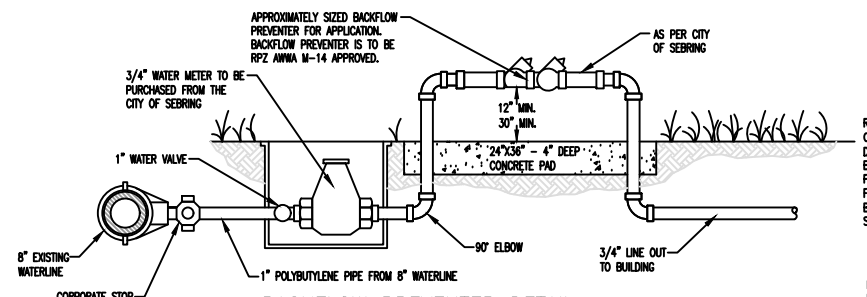
- Cross Slopes and Grades:**
  - A. Sidewalk, ramp, and landing slopes (i.e. 0.02, 0.05, and 1:12) shown in this Index are maximums. With approval of the Engineer, provide the minimum feasible slope where the requirements cannot be met.
  - B. Landings must have cross-slopes less than or equal to 0.02 in any direction.
  - C. Maintain a single longitudinal slope along each side of the curb ramp.
  - D. Joints permitted at the location of Slope Breaks. Otherwise locate joints in accordance with Index 522-001. No joints are permitted within the ramp portion of the Curb Ramp.
- Curb, Curb and Gutter and/or Sidewalk:**
  - A. Refer to Index 522-001 for concrete thickness and sidewalk details.
  - B. Remove any existing curb, curb and gutter, or sidewalk to the nearest joint beyond the curb transition or to the extent that no remaining section is less than 5 feet long.
- Curb Ramp Alpha-Identification:**
  - A. Sidewalk curb ramp alpha-identifications (e.g. CR-A) are provided for reference purposes in the Plans.
  - B. Alpha-identifications CR-I and CR-J are intentionally omitted.
- Detectable Warnings:**
  - A. Install detectable warnings in accordance with Specification 527.
  - B. Place detectable warnings across the full width of the ramp or landing, to a minimum depth of 2 feet measured perpendicular to the curb line and no greater than 5 feet from the back of the curb or edge of pavement.
  - C. If detectable warnings are shown in the Plans on slopes greater than 5%, align the truncated domes with the centerline of the ramp; otherwise, the truncated domes are not required to be aligned.



LAST REVISION 11/01/20	DESCRIPTION:	FDOT FY 2021-22 STANDARD PLANS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS	INDEX 522-002	SHEET 1 of 7
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**DEEP SERVICE CONNECTION**



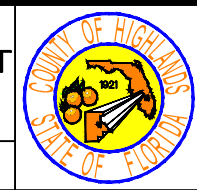
REDUCED PRESSURE BACKFLOW PREVENTERS SHOULD BE INSTALLED WITH A SUGGESTED MINIMUM CLEARANCE OF 12" BETWEEN PORT AND FLOOR GRADE. THEY MUST BE INSTALLED WHERE ANY DISCHARGE WILL NOT BE OBJECTIONABLE AND CAN BE POSITIVELY DRAINED AWAY. THEY SHOULD BE INSTALLED WHERE EASILY ACCESSIBLE FOR TESTING AND MAINTENANCE AND MUST BE PROTECTED FROM FREEZING. LARGER SIZES SHOULD HAVE SUPPORT BLOCKS TO PREVENT FLANGE DAMAGE. THERMAL WATER EXPANSION AND/OR WATER HAMMER DOWN STREAM OF THE BACKFLOW PREVENTER CAN CAUSE EXCESSIVE PRESSURE. EXCESSIVE PRESSURE SITUATIONS SHOULD BE ELIMINATED TO AVOID POSSIBLE DAMAGE TO THE SYSTEM AND ASSEMBLY.

NOTE: BACKFLOW PREVENTER SHOWN IS TYPICAL. OWNER, CONTRACTOR, OR ARCHITECT DISCRETION NEEDED ON ACTUAL TYPE OF PREVENTER FOR SITE. BACKFLOW SHALL BE RPZ ANMA M-14 APPROVED.

REVISIONS			STATUS
DATE	BY	DESCRIPTION	
			<b>FOR BID</b>

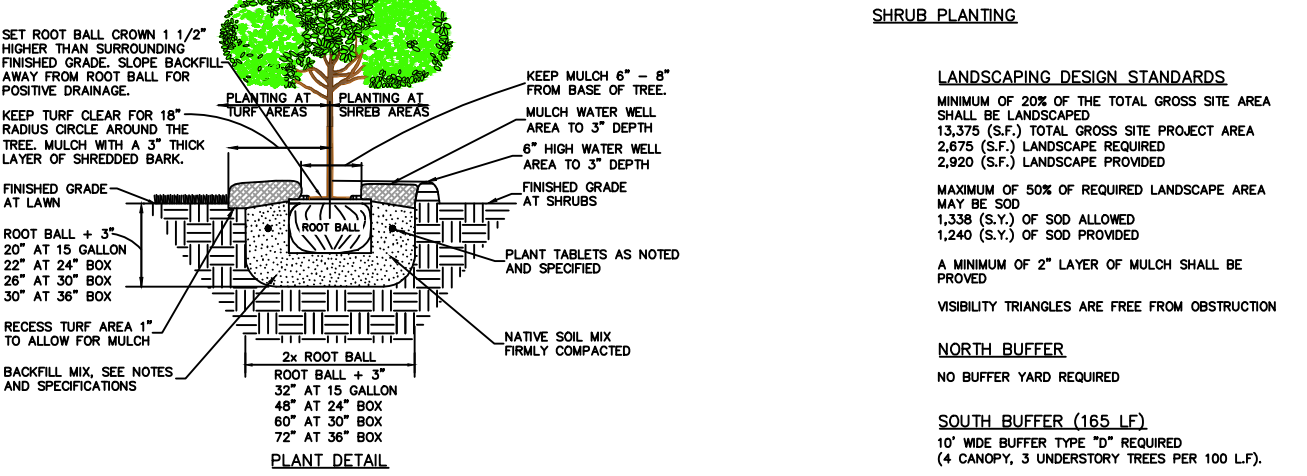
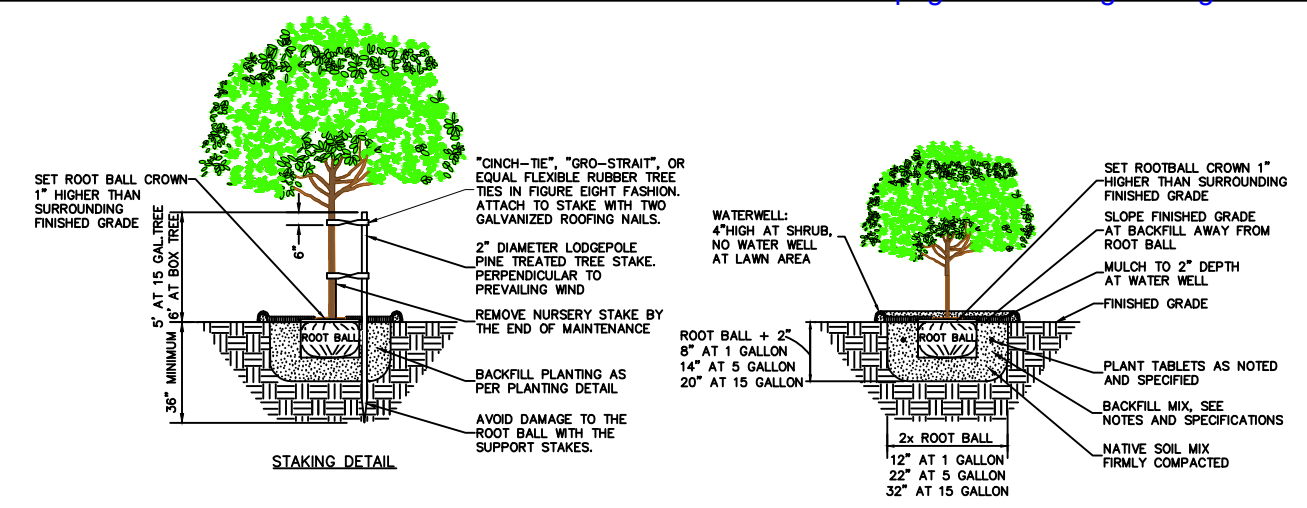
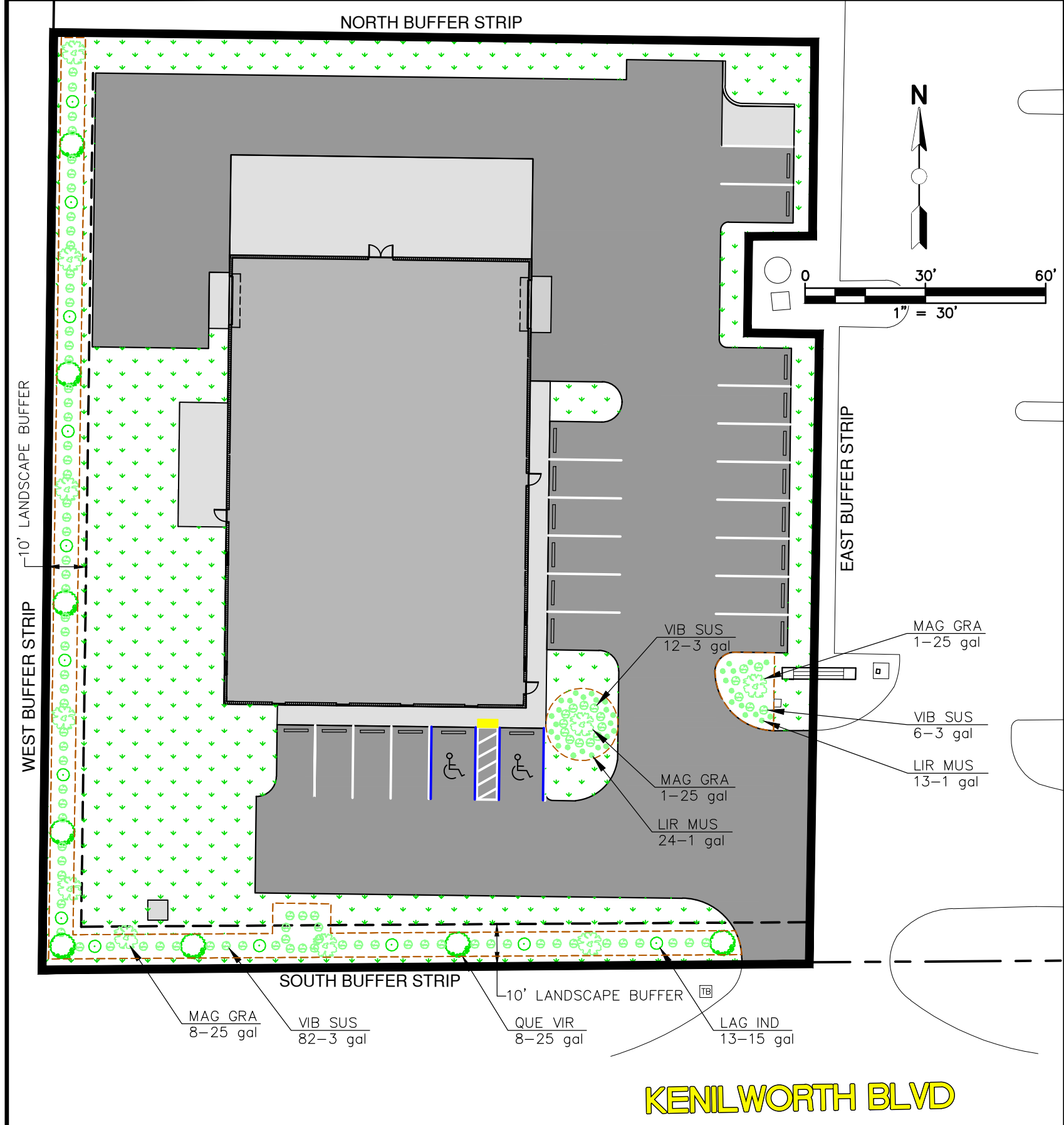
DESIGNED BY: J.D. LANGFORD, P.E.	<b>HIGHLANDS COUNTY ENGINEERING DEPARTMENT</b> 505 S. COMMERCE AVENUE SEBRING, FLORIDA 33870
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IN CHARGE: J.D. LANGFORD, P.E.	
DATE: 5/1/2023	

APPROVED BY: JAMES D. LANGFORD, JR., P.E.	DATE:
FLORIDA REGISTRATION NO.: 78402	



**HIGHLANDS COUNTY  
NEW TRAFFIC OPERATIONS BUILDING  
DETAILS**

SCALE: HORIZ. N/A VERT. N/A	
PROJECT NO. 19007	REV. 0
SHEET 7 OF 11	



**PLANT SCHEDULE**

TREES	BOTANICAL NAME/COMMON NAME	CONT.	CAL.	SIZE	SPACING	QTY.
	QUERCUS VIRGINIANA/SOUTHERN LIVE OAK	25 GAL.	2" CAL.	10' OA	25'	8
	MAGNOLIA GRANDIFLORA/SOUTHERN MAGNOLIA	25 GAL.	2" CAL.	10' OA	25'	10
<b>UNDER STORY TREES</b>						
	LAGERSTROEMIA INDICA/CRAPE MYRTLE	15 GAL.	1.75" CAL.	8' OA	33'	13
<b>SHRUBS</b>						
	VIBURNUM SUSPENSUM/SANDANKWA VIBURNUM	3 GAL.		18"		100
	LIRIOPE MUSCARI 'EMERALD GODDESS'/LIRIOPE	1 GAL.		12"	36" O.C.	37
<b>SOD</b>						
	PASPALUM NOTATUM 'ARGENTINE'/BAHIA GRASS SOD					1,240 SY

**LANDSCAPING DESIGN STANDARDS**

MINIMUM OF 20% OF THE TOTAL GROSS SITE AREA SHALL BE LANDSCAPED  
 13,375 (S.F.) TOTAL GROSS SITE PROJECT AREA  
 2,675 (S.F.) LANDSCAPE REQUIRED  
 2,920 (S.F.) LANDSCAPE PROVIDED

MAXIMUM OF 50% OF REQUIRED LANDSCAPE AREA MAY BE SOD  
 1,338 (S.F.) OF SOD ALLOWED  
 1,240 (S.F.) OF SOD PROVIDED

A MINIMUM OF 2" LAYER OF MULCH SHALL BE PROVIDED

VISIBILITY TRIANGLES ARE FREE FROM OBSTRUCTION

**NORTH BUFFER**  
 NO BUFFER YARD REQUIRED

**SOUTH BUFFER (165 LF)**  
 10' WIDE BUFFER TYPE "D" REQUIRED  
 (4 CANOPY, 3 UNDERSTORY TREES PER 100 L.F.).

6.60 CANOPY TREE REQUIRED  
 4.95 UNDERSTORY TREES REQUIRED  
 CONTINUOUS HEDGE REQUIRED

7 CANOPY TREES PROVIDED  
 (4 SOUTHERN LIVE OAK, 3 SOUTHERN MAGNOLIA)  
 5 UNDERSTORY TREES REQUIRED  
 (5 CRAPE MYRTLES)  
 CONTINUOUS HEDGE PROVIDED

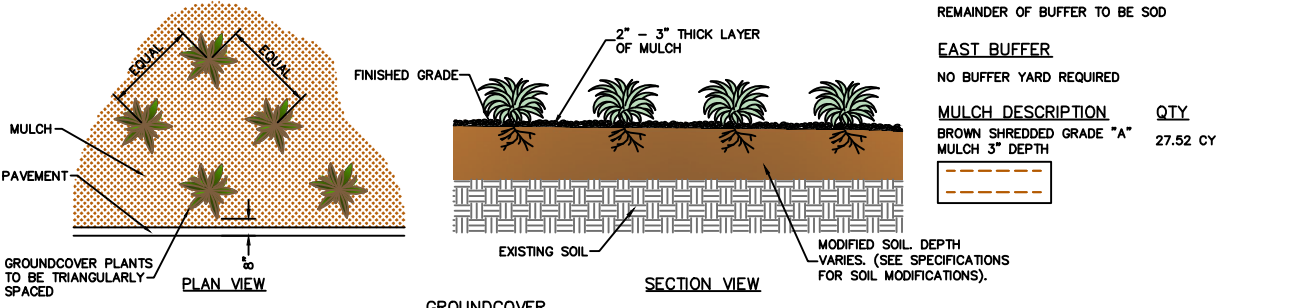
REMAINDER OF BUFFER TO BE SOD

**WEST BUFFER (215 LF)**  
 10' WIDE BUFFER TYPE "D" REQUIRED  
 (4 CANOPY, 3 UNDERSTORY TREES PER 100 L.F.).

8.60 CANOPY TREE REQUIRED  
 6.45 UNDERSTORY TREES REQUIRED  
 CONTINUOUS HEDGE REQUIRED

9 CANOPY TREES PROVIDED  
 (4 SOUTHERN LIVE OAK, 5 SOUTHERN MAGNOLIA)  
 8 UNDERSTORY TREES REQUIRED  
 (8 CRAPE MYRTLES)  
 CONTINUOUS HEDGE PROVIDED

REMAINDER OF BUFFER TO BE SOD



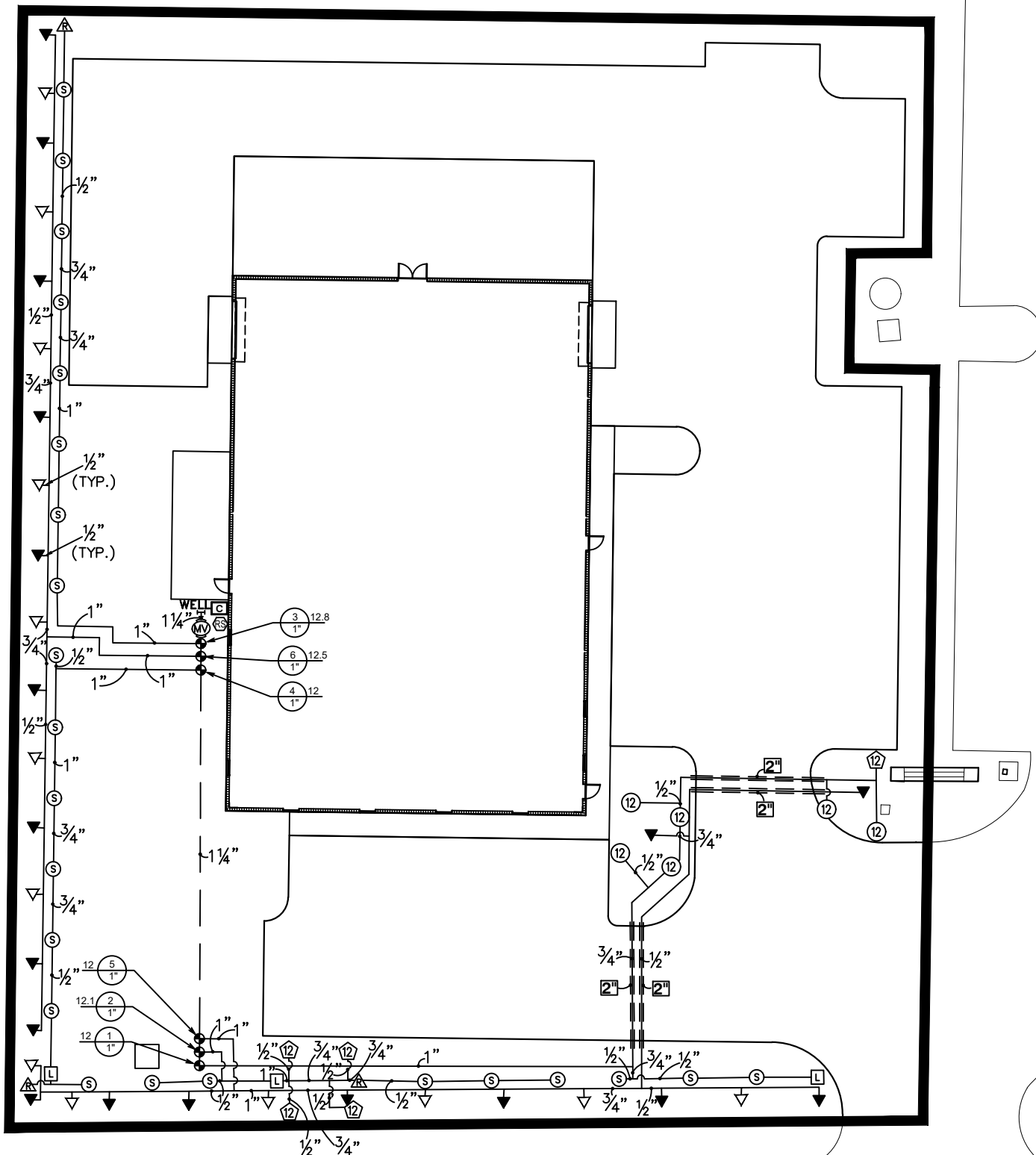
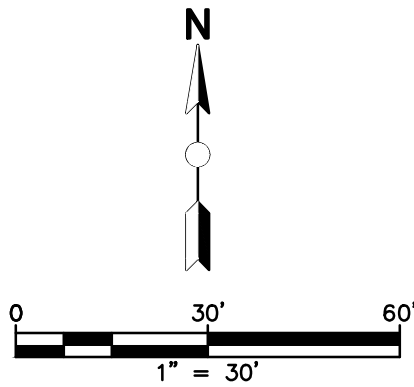
**NOTES:**  
 1 - SEE PLANTING LEGEND FOR GROUNDCOVER SPECIES, SIZE, AND SPACING DIMENSIONS.  
 2 - SMALL ROOTS (1/2" OR LESS) THAT GROW AROUND UP, OR DOWN THE ROOT BALL PERIPHERY ARE CONSIDERED A NORMAL CONDITION IN CONTAINER PRODUCTION AND ARE ACCEPTABLE HOWEVER THEY SHOULD BE ELIMINATED AT THE TIME OF PLANTING. ROOTS ON THE PERIPHERY CAN BE REMOVED AT THE TIME OF PLANTING. (SEE ROOT BALL SHAVING CONTAINER DETAIL).  
 3 - SETTLE SOIL AROUND ROOT BALL OF EACH GROUNDCOVER PRIOR TO MULCHING.

**KENILWORTH BLVD**

<p>DESIGNED BY: J.D. LANGFORD, P.E.                  DRAWN BY: STACEY MAHONEY                  CHECKED BY: J.D. LANGFORD, P.E.                  IN CHARGE: J.D. LANGFORD, P.E.                  DATE: 5/1/2023</p>			<p><b>HIGHLANDS COUNTY ENGINEERING DEPARTMENT</b>                  505 S. COMMERCIAL AVENUE                  SEBRING, FLORIDA 33870</p>			<p>HIGHLANDS COUNTY                  NEW TRAFFIC OPERATIONS BUILDING                  LANDSCAPE PLAN</p>		<p>SCALE:                  HORIZ. 1"=30'                  VERT. N/A</p>								
<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>			DATE	BY		DESCRIPTION				<p>STATUS</p> <p><b>FOR BID</b></p>		<p>APPROVED BY: JAMES D. LANGFORD, JR., P.E.                  FLORIDA REGISTRATION NO.: 78402</p>		<p>DATE: _____</p>		<p>PROJECT NO. 19007</p>
DATE	BY	DESCRIPTION														

G:\PROJECTS\2019\19007 New Traffic Operations Building\All Drawings\19007 New Traffic Operations Building.dwg, 8 LANDSCAPE PLAN, Mahoney, Stacey Colors As Black Except Gray Colors.ctb

SHEET 8 OF 11



- LEGEND**
- Hunter PROS-12 LCS-515Shrub Spray, 12.0" Pop-Up. Co-molded wiper seal with UV Resistant Material.
  - Hunter PROS-12 RCS-515Shrub Spray, 12.0" Pop-Up. Co-molded wiper seal with UV Resistant Material.
  - Hunter PROS-12 SS-530Shrub Spray, 12.0" Pop-Up. Co-molded wiper seal with UV Resistant Material.
  - Hunter PROS-12 12QShrub Spray, 12.0" Pop-Up. Co-molded wiper seal with UV Resistant Material.
  - Hunter PROS-12 12AShrub Spray, 12.0" Pop-Up. Co-molded wiper seal with UV Resistant Material.
  - Hunter PROS-04-PCN 10Flood Bubbler, 4.0" pop-up.
  - Hunter PROS-04-PCN 50Flood Bubbler, 4.0" pop-up.
  - Hunter PGV-100G (2) 1"1" Plastic Electric Remote Control Valve, for Residential/Light Commercial Use. Female NPT Inlet/Outlet. Globe Configuration, No Flow Control.
  - Hunter ICV-G 1-1/2"1", 1-1/2", 2", and 3" Plastic Electric Master Valve, Globe Configuration, with NPT Threaded Inlet/Outlet, for Commercial/Municipal Use.
  - Hunter PC-400 with (01) PCM-300 Light Commercial & Residential Controller, 7-station expanded module controller, 120 VAC, Outdoor model
  - Hunter WR-CLIK Rain Sensor, install within 1000 ft of controller, in line of sight. 22-28 VAC/VDC 100 mA power from timer transformer. Mount as noted.
- WELL** 4" Screen Well with submersible pump
- Irrigation Lateral Line: PVC Schedule 40 1/2"
  - Irrigation Lateral Line: PVC Schedule 40 3/4"
  - Irrigation Lateral Line: PVC Schedule 40 1"
  - Irrigation Mainline: PVC Schedule 40 1 1/4"
  - Pipe Sleeve: PVC Schedule 40 2"

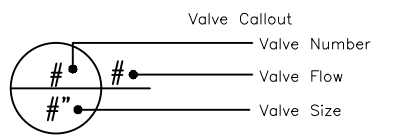
**KENILWORTH BLVD**

REVISIONS			STATUS	DESIGNED BY: J.D. LANGFORD, P.E.	HIGHLANDS COUNTY ENGINEERING DEPARTMENT 505 S. COMMERCE AVENUE SEBRING, FLORIDA 33870		HIGHLANDS COUNTY NEW TRAFFIC OPERATIONS BUILDING IRRIGATION PLAN		SCALE: HORIZ. 1"=30' VERT. N/A	
DATE	BY	DESCRIPTION					PROJECT NO. 19007	REV. 0		
			<b>FOR BID</b>	DRAWN BY: STACEY MAHONEY	APPROVED BY: JAMES D. LANGFORD, JR., P.E. FLORIDA REGISTRATION NO.: 78402				SHEET 9 OF 11	
				CHECKED BY: J.D. LANGFORD, P.E.					DATE: 5/1/2023	

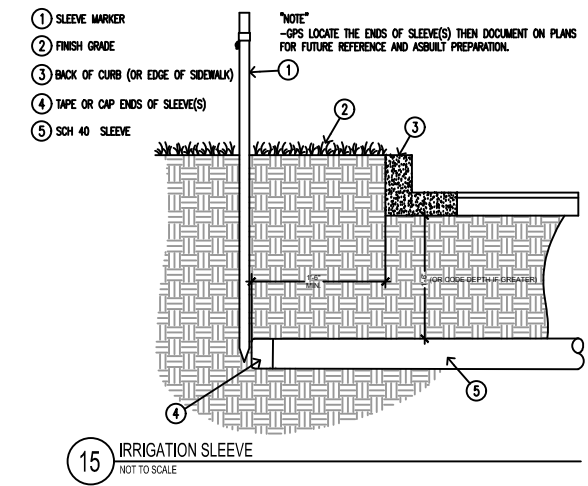
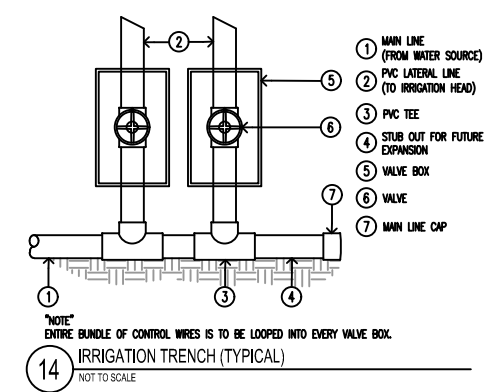
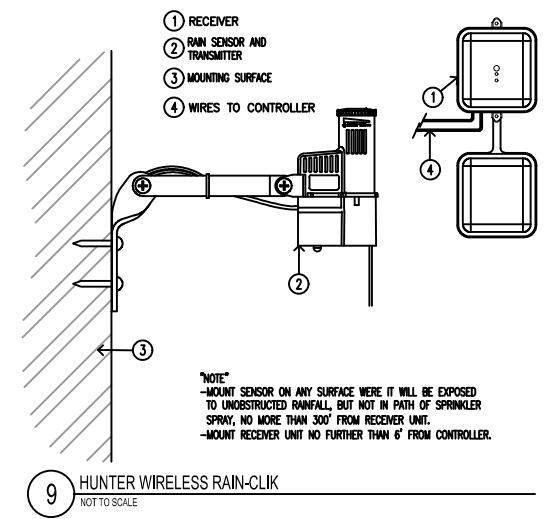
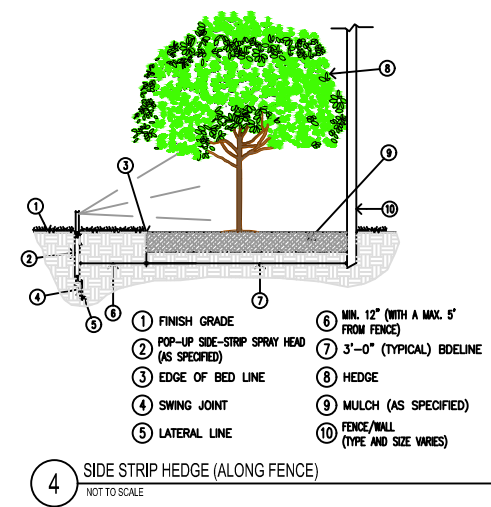
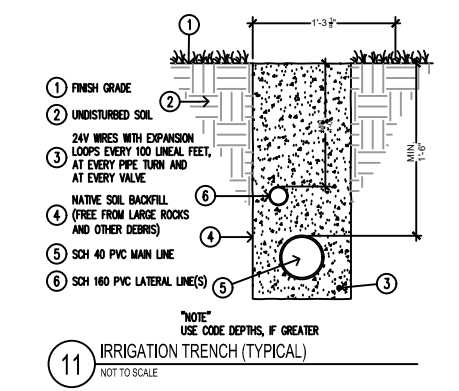
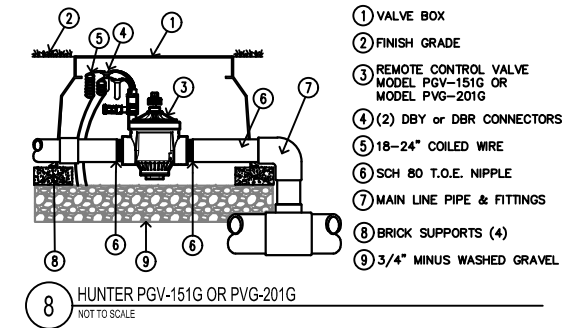
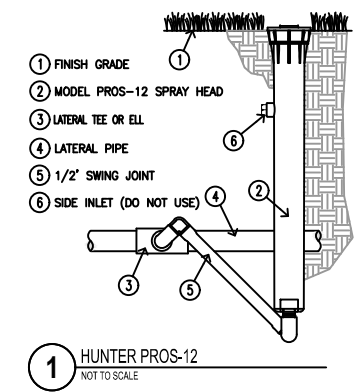
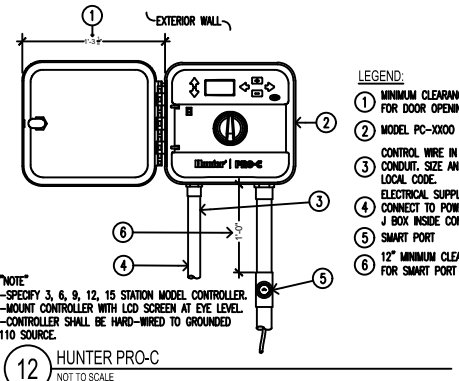
G:\PROJECTS\2019\19007 New Traffic Operations Building\All Drawings\19007 New Traffic Operations Building.dwg, 9 IRRIGATION PLAN, Mahoney, Stacey Colors As Black Except Gray Colors.ctb

IRRIGATION\_SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	ARC	PSL	GPM	RADIUS
L	Hunter PROS-12 LCS-515 Shrub Spray, 12.0" Pop-Up. with UV Resistant Material.	3	LCS	40	0.75	5'x15'
A	Hunter PROS-12 RCS-515 Shrub Spray, 12.0" Pop-Up. with UV Resistant Material.	3	RCS	40	0.75	5'x15'
S	Hunter PROS-12 SS-530 Shrub Spray, 12.0" Pop-Up. with UV Resistant Material.	23	SST	40	1.5	5'x30'
12	Hunter PROS-12 12Q Shrub Spray, 12.0" Pop-Up. with UV Resistant Material.	5	90	40	0.78	13'
12	Hunter PROS-12 12A Shrub Spray, 12.0" Pop-Up. with UV Resistant Material.	6	Adj	40	≤ 2.95	13'
▼	Hunter PROS-04-PCN 10 Flood Bubbler, 4.0" pop-up.	18	360	30	1	1'
▽	Hunter PROS-04-PCN 50 Flood Bubbler, 4.0" pop-up.	13	360	30	0.5	1'
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY				
●	Hunter PGV-100G (2) 1" 1" Plastic Electric Remote Control Valve, for Residential/Light Commercial Use. Female NPT Inlet/Outlet. Globe Configuration, No Flow Control.	6				
MV	Hunter ICV-G 1-1/2" 1", 1-1/2", 2", and 3" Plastic Electric Master Valve, Globe Configuration, with NPT Threaded Inlet/Outlet, for Commercial/Municipal Use.	1				
C	Hunter PC-400 with (01) PCM-300 Light Commercial & Residential Controller, 7-station 1 expanded module controller, 120 VAC, Outdoor model	1				
RS	Hunter WR-CLIK Rain Sensor, install within 1000 ft of controller, in 1 line of sight. 22-28 VAC/VDC 100 mA power from timer transformer. Mount as noted.	1				
WELL	4" Screen Well with submersible pump	1				
---	Irrigation Lateral Line: PVC Schedule 40 1/2"	696.6 l.f.				
---	Irrigation Lateral Line: PVC Schedule 40 3/4"	284.7 l.f.				
---	Irrigation Lateral Line: PVC Schedule 40 1"	320.5 l.f.				
---	Irrigation Mainline: PVC Schedule 40 1 1/4"	94.7 l.f.				
---	Pipe Sleeve: PVC Schedule 40 2"	108.4 l.f.				



NOTES:  
 -CONTRACTOR TO VERIFY THAT THE WATER SUPPLY WILL SUPPLY APPROXIMATELY 25 GPM @ 40 PSI FOR SPRAY ZONES FOR PROPER SYSTEM OPERATIONS PRIOR TO INSTALLATION. NOTIFY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION IF THIS IS IMPRACTICAL.  
 -DO NOT BID OR INSTALL PROJECT WITHOUT SPECIFICATIONS. DOING SO ASSUMES YOU AGREE TO THE SPECIFICATIONS.  
 -UNLABELED LATERAL PIPE TO BE THE MINIMUM LATERAL SIZE AT RUN ENDS.



REVISIONS			STATUS		DESIGNED BY:		HIGHLANDS COUNTY ENGINEERING DEPARTMENT		COUNTY OF HIGHLANDS		SCALE:					
DATE	BY	DESCRIPTION			J.D. LANGFORD, P.E.		505 S. COMMERCER AVENUE		SEBRING, FLORIDA 33870		HORIZ. 1"=30'					
			<b>FOR BID</b>		DRAWN BY:		APPROVED BY: JAMES D. LANGFORD, JR., P.E.		DATE:		VERT. N/A					
					CHECKED BY:						FLORIDA REGISTRATION NO.: 78402		PROJECT NO. 19007		REV. 0	
					IN CHARGE:								SHEET 10 OF 11			
					DATE:						5/1/2023					




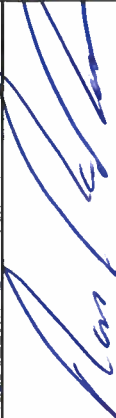


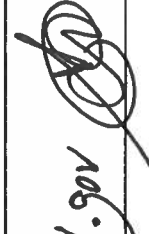


**HIGHLANDS COUNTY**  
 BOARD OF COUNTY COMMISSIONERS  
 Purchasing Division

**SIGN-IN SHEET**

BID #: ITB 22-013-LKD  
 TITLE: Traffic Operations Building  
 MEETING TYPE: Pre-Bid Meeting  
 DATE: Tuesday, April 25, 2023  
 TIME: 1:30 PM  
 LOCATION: Engineering Training Room

	PRINTED NAME / COMPANY OR AGENCY	PHONE NUMBER	EMAIL ADDRESS	SIGNATURE
1	James D. Langford, P.E. HCBC, County Engineer	863-402-6877	<a href="mailto:jdlangford@hcbcc.org">jdlangford@hcbcc.org</a>	
2	Lori DeLoach HCBC, Purchasing Manager	863-402-6504	ldeloach@highlandsfl.gov	
3	Eddie Cardona HCBC, Traffic Operations Manager	863 402 6539	<a href="mailto:ecardona@highlandsfl.gov">ecardona@highlandsfl.gov</a>	
4	Stanley Shands HCBC, Infrastructure Manager (IT)	863 402 6579	<a href="mailto:sshands@highlandscierkfl.gov">sshands@highlandscierkfl.gov</a>	
5	Keith Hunnicutt Curtis Mundy Hunnicutt	863 688 8882	<a href="mailto:khunnicutt@kemharch.com">khunnicutt@kemharch.com</a>	
6	Name: Firm/Agency:			
7	Name: Firm/Agency:			

	PRINTED NAME / COMPANY OR AGENCY	PHONE NUMBER	EMAIL ADDRESS	SIGNATURE
8	Name: <b>WILHEM BADENHORST</b> Firm/Agency: <b>PREMER CONSTRUCTION</b>	863 581 8959	willem@warmer construction.com	
9	Name: <b>Aron Nicksken</b> Firm/Agency: <b>EO KOCH Construction</b>	863 385-8049	Admin C EO.KOCH.COM	
10	Name: <b>Misty Gee</b> Firm/Agency: <b>Traffic Ops / Highland County</b>	863-402- 6715	ngor@highlandsfl.gov	
11	Name: <b>Stan Shands</b> Firm/Agency: <b>CLERK IT</b>	863-402- 7399	shands@clerk.it.org	
12	Name: <b>EDDIE CARBONA</b> Firm/Agency:	863 402-6536	ecardona@highlandsfl.gov	
13	Name: Firm/Agency:			
14	Name: Firm/Agency:			
15	Name: Firm/Agency:			
16	Name: Firm/Agency:			
17	Name: Firm/Agency:			
18	Name: Firm/Agency:			