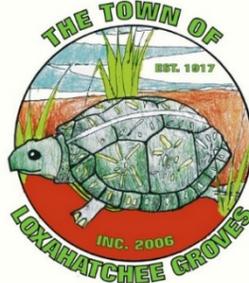


**TOWN OF LOXAHATCHEE GROVES
TOWN HALL COUNCIL CHAMBERS
TOWN COUNCIL REGULAR MEETING**

AGENDA

June 2, 2020 - 7:00 P.M.

DUE TO THE COVID-19 EMERGENCY, NO PRE-COUNCILMEETING WORKSHOP IS SCHEDULED. PUBLIC AUDIENCE WILL NOT BE ACCOMMODATED ONSITE, PUBLIC COMMENT WILL BE ACCEPTED BY EMAIL OR WRITING TO THE CLERK IN ADVANCE.



Lisa El-Ramey, Mayor (Seat 3)

Phillis Maniglia, Councilmember (Seat 1)

Laura Danowski, Councilmember (Seat 2)

Robert Shorr, Councilmember (Seat 4)

Marge Herzog, Vice Mayor (Seat 5)

Administration

Town Manager, James S. Titcomb

Assistant Town Manager, Francine L. Ramaglia

Town Attorney, R. Brian Shutt, Esq.

Town Clerk, Lakisha Q. Burch

Director of Public Works, Larry A. Peters, P.E.

Civility: Being "civil" is not a restraint on the First Amendment right to speak out, but it is more than just being polite. Civility is stating your opinions and beliefs, without degrading someone else in the process. Civility requires a person to respect other people's opinions and beliefs even if he or she strongly disagrees. It is finding a common ground for dialogue with others. It is being patient, graceful, and having a strong character. That's why we say "Character Counts" in Town of Loxahatchee Groves. Civility is practiced at all Town meetings.

Special Needs: In accordance with the provisions of the American with Disabilities Act (ADA), persons in need of a special accommodation to participate in this proceeding shall within three business days prior to any proceeding, contact the Town Clerk's Office, 155 F Road, Loxahatchee Groves, Florida, (561) 793-2418.

Quasi-Judicial Hearings: Some of the matters on the Agenda may be "quasi-judicial" in nature. Town Council Members are required to disclose all ex-parte communications regarding these items and are subject to voir dire (a preliminary examination of a witness or a juror by a judge or council) by any affected party regarding those communications. All witnesses testifying will be "sworn" prior to their testimony. However, the public is permitted to comment, without being sworn. Unsworn comment will be given its appropriate weight by the Town Council.

Appeal of Decision: If a person decides to appeal any decision made by the Town Council with respect to any matter considered at this meeting, he or she will need a record of the proceeding, and for that purpose, may need to ensure that a verbatim record of the proceeding is made, which record includes any testimony and evidence upon which the appeal will be based.

Consent Calendar: Those matters included under the Consent Calendar are typically self-explanatory, non-controversial, and are not expected to require review or discussion. All items will be enacted by a single motion. If discussion on an item is desired, any Town Council Member, without a motion, may "pull" or remove the item to be considered separately. If any item is quasi-judicial, it may be removed from the Consent Calendar to be heard separately, by a Town Council Member, or by any member of the public desiring it to be heard, without a motion.

TOWN COUNCIL AGENDA ITEMS

Call to Order

Pledge of Allegiance

Moment of Silence

Roll Call

Additions/Deletions/Modifications of Agenda

Comments from The Public on Non-Agenda Items

Under authority of Governor's E.O. 20-69 modifying rules for Public Meetings, with COVID-19 State and County Emergency Declarations, this meeting is closed to in person attendance above 10 persons (Council & staff). Public Comments for this meeting will be received by email, or in writing to the Town Clerk's Office until 6:30 PM day of this meeting. All comments received in this manner will be received/filed and acknowledged as part of the official public record at the meeting. The meeting will be live-streamed and captioned for the public via the town website.

CONSENT AGENDA

1. Approval of Meeting Minutes:
 - a. January 7, 2020 Resident Meeting Minutes
 - b. January 7, 2020 Town Council Regular Meeting Minutes

PUBLIC HEARING

2. Approval of SECOND Reading of Ordinance 2020-02 Amending the Code of Ordinances by Repealing Chapter 2 "Administration, Article V "Procurement" and Enacting a New Article V "Procurement" Regarding Procurement Requirements; Providing for Conflict, Severability, Codification and an Effective Date.

REGULAR AGENDA

3. Approval of design changes for B and D Roads drainage projects.

PRESENTATION

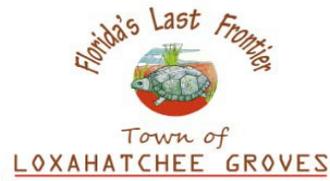
4. Presentation on Bond Issues from Bond Council, Steve Sandford.
5. Presentation on Road Projects from Traffic Engineers, Simmons & White Engineers

Town Councilmembers Comments

Town Staff Comments

Adjournment

Comment Cards: Anyone from the public wishing to address the Town Council, it is requested that you complete a Comment Card before speaking. Please fill out completely with your full name and address so that your comments can be entered correctly in the minutes and give to the Town Clerk. During the agenda item portion of the meeting, you may only address the item on the agenda being discussed at the time of your comment. During public comments, you may address any item you desire. Please remember that there is a three (3) minute time limit on all public comment. Any person who decides to appeal any decision of the Council with respect to any matter considered at this meeting will need a record of the proceedings and for such purpose, may need to ensure that a verbatim record of the proceedings is made which included testimony and evidence upon which the appeal is to be based. Persons with disabilities requiring accommodations in order to participate should contact the Town Clerk's Office (561-793-2418), at least 48 hours in advance to request such accommodation.



155 F Road Loxahatchee Groves, FL 33470

Agenda # 1

TO: Town Council of Town of Loxahatchee Groves

FROM: Lakisha Burch, Town Clerk

VIA: James Titcomb, Town Manager

SUBJECT: Approval of Meeting Minutes

Staff recommends approval of the attached meeting minutes.



**TOWN OF LOXAHATCHEE GROVES
TOWN COUNCIL MINUTES OF RESIDENT MEETING
JANUARY 7, 2020**

Meeting audio available in Town Clerk's Office

CALL TO ORDER

Mayor Shorr called the meeting to order at 6:00 p.m.

PRESENTATION

Mayor Shorr asked Town Manager Titcomb if the live streaming started at 6:00 or 7:00 p.m. Town Clerk Burch responded that live streaming starts at 7:0 p.m. for the Town Council Regular Meetings.

Vice Mayor DeMarios asked Town Attorney Shutt was this meeting noticed publicly and if so, why is it not being lived streamed. Town Clerk Burch responded that the meeting was noticed publicly and Town Manager Titcomb responded because of previous decision we were told only to live stream the actual Town Council meeting because of the cost that associated with transcribing them in live time.

Kevin Knutson representing Envisio, Inc. presented at PowerPoint presentation giving an update of the results from the September 21, 2019 visioning session that was held at Palm Beach State Community College. Mr. Knutson gave direction for Town Council and staff to move forward and accomplish some of the goals that have been set and then he opened the discussion up for questions.

Councilmember Danowski asked Mr. Knutson did he find it is easy to quantify the information that was given and able to interpret what was given and asked what data that was find typical for a young town. Mr. Knutson responded stating that he has been doing this for 30 years and stated that the age of town doesn't matter as much as the circumstance of the town.

Councilmember Maniglia stated that she wanted to stay on task and keep on top of this and keep the momentum. She also asked about making motions.

Councilmember Danowski asked does it help or hinders to keep bringing in residents' input as Council continue to move through this. Mr. Knutson stated that it is important to get residents' input if it is given but when you starting to make discussion take in consideration what has been given by resident to make sound decisions.

Mayor Shorr asked how to start defining what is of importance and how to move forward. Mr. Knutson responded. Town Manager Titcomb also responded and commented on this topic. There

was discussion among the Town Council. Mayor Shorr asked should this be discussed at the next workshop.

Councilmember Maniglia commented about Okeechobee Blvd. and asked should a project be picked and focus on that being accomplished. Mr. Knutson responded to Councilmember Maniglia' s question and concern. There was continued discussion between Councilmember Maniglia. Councilmember Danowski and Vice Mayor DeMarios also commented on this issue.

Councilmember El-Ramey also expressed her thoughts and concerns. There continued to be discussion among the Town Council. Mr. Fleishmann made comment regarding the grant that was received by the State. Town Manager Titcomb asked that if Town Council is in consensus then maybe at February workshop this topic maybe discussed. There was discussion among the Town Council and Town Manager Titcomb.

Mayor Shorr thanked Mr. Knutson and Councilmember Danowski on their work during the visioning session.

Councilmember Danowski asked about Coastal regarding mixing of recycling and trash, and other different issues. Ms. Ramaglia, Asst. Town Manager responded to Councilmember Danowski's question and concern. Town Manager Titcomb also commented on this topic. There was discussion among the Town Council regarding this matter.

There were public comments made by the following: Simon Fernandez, Marge Herzog, Ron Jarriel, Marianne Miles and John Ryan.

Adjournment

There being no further business meeting was adjourned at 6:54 p.m.

**TOWN OF LOXAHATCHEE GROVES,
FLORIDA**

ATTEST:

Lakisha Burch, Town Clerk

Mayor Robert Shorr

Vice Mayor David DeMarios

Councilmember Laura Danowski

APPROVED AS TO LEGAL FORM:

R. Brian Shutt, Town Attorney

Councilmember Lisa El-Ramey

Councilmember Phillis Maniglia



**TOWN OF LOXAHATCHEE GROVES
TOWN COUNCIL MINUTES OF COUNCIL MEETING
JANUARY 7, 2020**

Meeting audio available in Town Clerk's Office

CALL TO ORDER

Mayor Shorr called the meeting to order at 7:03 p.m.

PLEDGE OF ALLEGIANCE

Mayor Shorr led the Pledge of Allegiance.

MOMENT OF SILENCE

ROLL CALL

Mayor Robert Shorr, Vice Mayor David DeMarios, Councilmembers Laura Danowski, Lisa El-Ramey and Phillis Maniglia, Town Manager James Titcomb, Town Attorney R. Brian Shutt and Town Clerk Lakisha Burch.

ADDITONS/DELETIONS/MODIFICATIONS OF AGENDA

Councilmember Danowski asked if item 6 could be moved and discussed ahead of item 4.

Motion was made by Councilmember Danowski seconded by Councilmember Maniglia to approve the modifications of the agenda by moving item 6 to be discussed ahead of item 4; it was voted as follows: Ayes: Mayor Shorr, Vice Mayor David DeMarios, Councilmembers Danowski, El-Ramey and Maniglia. Motion passed unanimously.

COMMENTS FROM THE PUBLIC ON NON-AGENDA ITEMS

The public is encouraged to offer comments on any non-agenda item. Generally, remarks by an individual will be limited to one time, up to three minutes or less. The Mayor or presiding officer has discretion to adjust the amount of time allocated.

There was public comment made by Ron Jarriel.

Town Manager Titcomb mentioned that the revision of the Purchasing Policy is scheduled to go before the Finance Advisory & Audit Committee (FAAC) this month and should be before Town Council by the February's meeting. Councilmember Maniglia stated that she asked for some information regarding the equipment that is in the yard and cost. She would like it all at one time and not in bits and pieces for the next meeting.

CONSENT AGENDA

1. Approval of November Meeting Minutes
 - a. August 6, 2019 Town Council Regular Meeting
 - b. November 1, 2019 Town Council Special Meeting
 - c. December 3, 2019 Resident Community Workshop
 - d. December 3, 2019 Town Council Regular Meeting
2. Renewal Extension of the Geoffrey B. Sluggett & Associates Legislative Lobbyist & Consulting Contract

Motion was made by Councilmember Danowski seconded by Councilmember Maniglia to approve the Consent Agenda; it was voted as follows: Ayes: Mayor Shorr, Vice Mayor DeMarios, Councilmembers Danowski, El-Ramey and Maniglia. Motion passed unanimously.

PUBLIC HEARING- QUASI JUDICIAL

3. Second Reading of Ordinance No. 2019-08- Groves Town Center PUD/Site Plan Requested Modifications

Town Attorney Shutt read Ordinance No. 2019-08 into the record. He also swore in all the participants that would be speaking on the item.

Matt Burnes addressed the Town Council stating changes that were made at the suggestion of Town Council at the last meeting. Bradley Miller of Miller Land Planning presented a PowerPoint presentation also addressing the Town Council along with Randy Wertepny also addressed the Town Council.

Councilmember Maniglia asked how accurate the overlay of your project over the map is. Mr. Miller responded as accurate as the Palm Beach County Property Appraisal. Councilmember Danowski asked about the lavender shading of the map. Mr. Miller explained the color code of the map.

Mayor Shorr asked about missing documents and Town Clerk Burch responded.

Councilmember El-Ramey asked Mr. Wertepny could he explained how it interacts with Collecting Canal. Mr. Wertepny responded to Councilmember El-Ramey's question. There was discussion among Councilmember El-Ramey and Mr. Wertepny.

Councilmember Danowski asked is having the water surface management area going to work in favor when EMNDS comes in and is this a good thing also who is going to widen the canal and pay for it. Mr. Wertepny responded to Councilmember Danowski's questions. Vice Mayor DeMarios asked is it Town wide. There was discussion among Town Council and Mr. Wertepny.

Councilmember Maniglia commented on leaving the wetlands in our Town and leaving the vegetation. She also stated about the widening of the canals. Mr. Wertepny responded to her concerns. Councilmember Maniglia also asked about hitching trails. There was more discussion among the Town Council and Mr. Miller. Mr. Barnes also addressed the Town Council on additions. Mary McNicholas lobbyist for the Town of Loxahatchee Groves also addressed the Town Council regarding this point.

Mr. James Fleishmann, Town Planning Consultant addressed the Town Council with the administration portion of this item.

Motion was made by Councilmember Maniglia seconded by Councilmember Danowski to approve Ordinance No. 2019-08 on Second Reading Groves Town Center Conditions of Approval adding condition made by Town Council; it was voted as follows: Ayes: Mayor Shorr, Vice Mayor DeMarios, Councilmembers Danowski, El-Ramey and Maniglia. Motion passed unanimously.

REGULAR AGENDA

4. Approval of Public Works Projects – B Road **(moved to be heard before item 4)**

5. Approval of Settlement with Underwood Management Services Group, LLC. (UMSG)

Lora Donlon from Torcivia, Donlon, Goddeau & Ansay, P.A. presented the item to the Town Council regarding the settlement with Underwood Management Services Group, LLC (UMSG).

There were public comments made by the following: Ron Jarriel and John Ryan.

Motion was made by Councilmember Danowski seconded by Councilmember Maniglia to approve the proposed Settlement Agreement and take action regarding same and, direct staff to make payment in accordance with the deadlines within the settlement agreement; it was voted as follows: Ayes: Mayor Shorr, Councilmembers Danowski, El-Ramey and Maniglia. Nay: Vice Mayor DeMarios. Motion passed 4-1.

6. Approval of the Town Personnel Policies & Procedures Manual (PPM) 2020

Town Manager Titcomb presented the item to the Town Council.

Town Councilmembers Comments

Town Staff Comments

Adjournment

There being no further business meeting was adjourned at 12:03 a.m.

**TOWN OF LOXAHATCHEE GROVES,
FLORIDA**

ATTEST:

Mayor Robert Shorr

Lakisha Burch, Town Clerk

Vice Mayor David DeMarios

Councilmember Laura Danowski

APPROVED AS TO LEGAL FORM:

Councilmember Lisa El-Ramey

R. Brian Shutt, Town Attorney

Councilmember Phillis Maniglia



155 F Road Loxahatchee Groves, FL 33470

Agenda Item # 2

TO: Town Council of Town of Loxahatchee Groves
FROM: Francine Ramaglia, Assistant Town Manager
VIA: James Titcomb, Town Manager
DATE: June 2, 2020
SUBJECT: Second Reading of Proposed Procurement Code Ordinance 2020-02

Background:

The Town's procurement code was originally adopted through Ordinance 2008-09 and, despite numerous proposed updates over the years, has not been updated. The Town attorney, staff and FAAC have worked on revisions to clarify and simplify the procurement process as reflected in the proposed revised ordinance. This ordinance was initially presented to Council for input in December and is returning to Council for first reading with slight revisions. It is important to note that the update procurement code increases the Town Manager's spending authority delegated by the Council from \$10,000 to \$25,000.

At the May 5th RTCM, Council consensus added the request to report all transactions items from \$10,000 to \$25,000 as approved to subsequent council meetings under the Town Manager reports.

Recommendations:

Staff seeks a Council motion to approve Ordinance 2020-02 on second reading updating the Town's procurement code.

ORDINANCE NO. 2020-02

AN ORDINANCE OF THE TOWN COUNCIL OF THE TOWN OF LOXAHATCHEE GROVES, FLORIDA, AMENDING ITS CODE OF ORDINANCES BY REPEALING CHAPTER 2 “ADMINISTRATION, ARTICLE V “PROCUREMENT” AND ENACTING A NEW ARTICLE V “PROCUREMENT” REGARDING PROCUREMENT REQUIREMENTS; PROVIDING FOR CONFLICT, SEVERABILITY, CODIFICATION AND AN EFFECTIVE DATE.

WHEREAS, the Town Council believes it is necessary to modify its current regulations for the purchasing of goods and services; and,

WHEREAS, the procurement code is codified in Chapter 2, Article V of the Town Code of Ordinances; and,

WHEREAS, the Town Council has determined that the enactment of this ordinance is for a proper municipal purpose and in the best interests of the residents of the Town.

NOW, THEREFORE, BE IT ORDAINED BY THE TOWN COUNCIL OF THE TOWN OF LOXAHATCHEE GROVES, FLORIDA, THAT:

Section 1. The foregoing “Whereas” clauses are hereby ratified and confirmed as being true and correct and incorporated herein by this reference.

Section 2. The Town of Loxahatchee Groves hereby repeals in its entirety Chapter 2 “Administration”, Article V “Procurement” and enacts the following Article V “Procurement” to read as follows:

ARTICLE V. PROCUREMENT

Sec. 2-132. Applicability.

This article applies to the acquisitions of property, goods and services by the town after June 2, 2020, as provided for in this article. Any action taken or contracts entered into contrary to the provisions of this article may, in the town's sole discretion, be declared null and void. The town has also adopted a purchasing policy whose regulations shall govern where not in conflict with this article. The town manager may make minor changes to the purchasing policy; however, any substantive change shall require approval by the town council.

Sec. 2-133. Competitive selection.

(a) *Sealed competitive method.* Acquisitions of or contract for non-real property, goods or services where the expenditure by the town (including expenditures during renewal periods, but no expenditures relating to change orders) is estimated to be \$25,000.00 or greater shall be subject to a sealed competitive method, unless the town utilizes one of the methods that is exempt from the sealed competitive method or from obtaining quotes, as provided in this article or the purchasing policy.

- (1) Competitive bids. Sealed competitive bids are utilized where price, responsiveness, and responsibility are the sole determining factors.
 - (2) Competitive Solicitations. Requests for proposals, requests for qualifications, requests for letters of interest and other competitive solicitations are utilized where price, responsiveness, and responsibility are not the sole determining factors. The town manager may appoint a selection committee to review the submissions received by the town in response to requests for proposals, requests for qualifications, and requests for letters of interest and make a recommendation to the town council. The selection committee shall terminate upon the award of the contract, or such other time as determined by the town council.
 - (3) Submissions. It shall be the sole responsibility of the bidder, proposer or responder to have the bid, proposal or response delivered to the town clerk's office before the specified closing date and time. Bids, proposals or responses received after the closing date and time shall not be considered and shall be returned unopened. The clock in the town hall shall govern. All bids, proposals and responses submitted pursuant to a sealed competitive method shall remain sealed until they are opened publicly on the date and time and location stated in the notice to bidders, proposers or responders, or as may be amended by addendum. All bids, proposals or responses must be sealed. No faxed or emailed bids, proposals or responses shall be accepted.
 - (4) Town's reservation of rights. The town may utilize a sealed competitive method for any acquisition that the town deems appropriate regardless of the estimated cost of the acquisition. In all competitive selection purchases, the town reserves the following rights:
 - a. Rejection of bids, proposals or other responses. If the town manager/town council determines that it is in the best interests of the town to do so, the town manager/town council may reject any or all bids, proposals or other responses requested in whole or in part. Bids, proposals or other responses requested that are submitted after the due date and time will be disqualified from further consideration.
 - b. Waiver of irregularities. The town manager/town council shall have the authority to waive all nonmaterial irregularities on any and all bids, proposals or other responses requested. Nonmaterial irregularities are those irregularities which do not substantially affect price and/or competition.
 - c. A request for bid, RFP, ITN or other competitive selection procedure utilized by the town may be canceled, in whole or in part, by the town manager/town council when it is in the best interests of the town.
 - d. All costs and fees incurred by any party in preparing and responding to a request for bid, RFP, ITN or other competitive selection procedure used by the town are the sole responsibility of the responding party including all costs and fees related to a protest.
- (b) Exemptions from purchasing by the sealed competitive method or by obtaining a written quote.
- (1) Professional services. Except as otherwise provided for in Florida law, contracts for professional services (which include but is not limited to services provided by architects, engineers, surveyors, attorneys, accountants, actuaries, lobbyists and financial advisors) or a consultant with a distinctive field of expertise may be made or entered into by the town manager without utilizing a sealed competitive method or obtaining written quotes. Acquisitions of professional services where the expenditure by the town (including expenditures during renewal

periods, but not expenditures relating to change orders) is estimated to be \$25,000.00 or greater shall be subject to approval by the town council.

(2) *Specialty goods and services.* Acquisitions of or contracts for specialty goods and services (including but not limited to performing artists, artwork, special events, entertainment, and food and beverage) may be made or entered into by the town manager without utilizing a sealed competitive method or obtaining written quotes. Acquisitions of specialty goods and services, where the expenditure by the town is estimated to be \$25,000.00 or greater, shall be subject to approval by the town council.

(3) *Emergency acquisitions.* The town manager may acquire or contract for non-real property, goods, or services required in contemplation of, preparation for, or during an emergency without utilizing a sealed competitive method or obtaining written quotes regardless of the amount. Emergency acquisitions of non-real property, goods or services where the expenditure by the town is estimated to be \$25,000.00 or greater shall be subject to ratification by the town council as soon as practicable.

(4) *Sole source and town standard.*

a. *Sole source.* The town may acquire or contract for non-real property, goods or services that are available to the town from only one source without utilizing the sealed competitive method or obtaining written quotes. Sole source acquisitions where the expenditure by the town (including expenditures during renewal periods, but not expenditures relating to change orders) is estimated to be \$25,000.00 or greater shall be subject to approval by the town council.

b. *Town standard.* Where the town has determined that a particular style, brand, make, or model is the only type that meets the town's requirements for performance, consistency, compatibility or other salient characteristics, and such determination has resulted in there being only one source available to the town, the town may acquire or contract for such goods without utilizing a sealed competitive method or obtaining written quotes. Town standard acquisitions where the expenditure by the town (including expenditures during renewal periods, but not expenditures relating to change orders) is estimated to be \$25,000.00 or greater shall be subject to approval by the town council.

(5) *Utilization of other governmental entities' contracts.*

a. The town may acquire or contract for non-real property, goods or services without utilizing a sealed competitive method or obtaining written quotes where the desired goods or services are the subject of a contract with the state, its political subdivisions or other local governmental entities in the state, with associations in Florida affiliated with state and/or local governmental entities or departments (such as the Florida Sheriffs' Association and the Florida Fire Chiefs' Association) or with the United States government or national cooperatives, provided that the contract is based strictly on competitive bidding and not on any preference, and provided that the form of the contract is acceptable to the town attorney. Acquisitions utilizing other governmental entities' contracts where the expenditure by the town (including expenditures during renewal periods, but not expenditures relating to change orders) is estimated to be \$25,000.00 or greater shall be subject to approval by the town council.

- b. Utilization of other government entities' contracts shall only be permitted during the term of the other governmental entity's contract or for one year from the date the other governmental entity awards the bid, whichever is longer.
 - c. If the town desires to utilize another governmental entity's contract, the town shall require the vendor to certify that the price or rate represents the lowest price or rate for the non-real property, goods or services of any contract between the vendor and any other governmental entity within the state.
- (6) Cooperative acquisitions. The town may acquire or contract for non-real property, goods or services without utilizing a sealed competitive method or obtaining written quotes where the town participates in joint procurement of non-real property, goods or services with other public entities within the state, including, but not limited to acquisitions made pursuant to interlocal agreements entered into with other governmental entities in accordance with F.S. Ch. 163. Cooperative acquisitions where the expenditure by the town (including expenditures during renewal periods, but not expenditures relating to change orders) is estimated to be \$25,000.00 or greater shall be subject to approval by the town council.
- (7) Utilities. Water, sewer, gas, electrical, and other utility services may be acquired without utilizing a sealed competitive method or obtaining written quotes and without town council approval.
- (8) Employee benefits and health services. Employee benefits, including payroll processing services, and health related services may be procured/renewed directly through a negotiating process conducted by town staff and/or an expert in the field, or to maintain continuity of employee-health records, and is not subject to competitive procurement methods.
- (9) Property, casualty, workers compensation, liability, automobile insurance. Insurances may be procured/renewed directly through a negotiating process conducted by town staff and/or an expert in the field, or to maintain continuity of insurance records, and is not subject to competitive procurement methods.
- (10) The following goods and/or services are approved as exempt purchases. Exempt purchases are exempt from the competitive selection and written quotation purchase requirements set forth in this purchasing code.
- a. Utilities-water, sewer, electrical, telephone, solid waste disposal fees and any other utility service where competition is not available.
 - b. Postage and postage meter permits.
 - c. Recording fees.
 - d. Pension benefit payments.
 - e. Debt service payments.
 - f. Unemployment compensation.
 - g. Tax withholding payments (FICA, Medicare, Federal Tax Withholding).
 - h. Payroll deduction liability payments-including but not limited to-voluntary insurance policies, credit union deductions, Section 457 (deferred compensation) contributions, Roth

IRA contributions, union dues, flex medical and flex dependent contributions, and garnishments (IRS, child support, court orders).

- i. Pension plan contributions.
- j. Memberships, dues, subscriptions, publications.
- k. Advertisements for legal, promotional or informative matters.
- l. Abstracts of titles or appraisals for real property.
- m. Court reporting services.
- n. Expert witnesses.
- o. Bank analysis fees.
- p. Merchant fees (credit card processing charges).
- q. Job related seminars, training and related travel and per diem expenses.
- r. Tuition reimbursements in accordance with town employment regulations.
- s. Vehicle tag, title and registration fees.
- t. Licensed computer software and services where competition is not reasonably available.
- u. Licensed computer software maintenance renewals.
- v. Authorized payment of donations or scholarships.
- w. Payments to service providers needed to maintain town operations such as plumbers, electricians, temporary employment services, computer consultants or air conditioning repair services (this does not include the replacement of capital equipment).
- x. Goods and/or services provided by governmental agencies.
- y. Services required by proprietary ownership such as FPL and original equipment manufacturers.

(11) Best interest acquisitions. The town may acquire or contract for non-real property, goods or services without utilizing a sealed competitive method or obtaining written quotes, as set forth in this code or the town's purchasing policy, where the town council declares by at least a four-fifths affirmative vote that the sealed competitive method or obtaining written quotes is not in the best interest of the town. The town council shall make specific factual findings that support its determination, and such contracts shall be placed on a town council agenda. This provision may not be used when the purchasing or procurement method is prescribed by state law, such as F.S. § 287.055 or 255.20, as amended.

Sec. 2-134. Direct acquisitions.

(a) [Town manager contract approval.] The town manager may approve all contracts for the acquisition of goods and services in an amount up to \$25,000.00 provided the funds are included in an adopted budget. The town manager shall, on a monthly basis or as soon as possible thereafter, provide a report to the town council of all expenditures approved by the town manager that are above \$10,000 and that have not previously been approved by the town council.

- (b) Acquisitions of \$25,000.00 and greater. Acquisitions of or contracts for non-real property, goods or services where the expenditure by the town (including expenditures during renewal periods, but not expenditures relating to change orders) is estimated to be \$25,000.00 or greater shall be subject to prior approval by the town council except for emergency acquisitions, which are subject to subsequent ratification by the town council pursuant to section 2-133(b)(3).
- (c) Multiple acquisitions from a vendor exceeding \$25,000.00 in any fiscal year. Acquisitions of or contracts for non-real property, goods or services from the same vendor equal to or exceeding the aggregate \$25,000.00, per project, shall not be permitted from the same vendor during the course of any fiscal year, unless the acquisition is first approved by the town council.

Sec. 2-135. Cone of silence.

Any person participating in a competitive solicitation issued by the town shall comply with section 2-355 of the Palm Beach County Code of Ordinances, as amended.

Sec. 2-136. Authorization to dispose of surplus goods.

- (a) No department shall transfer, sell, trade-in, or otherwise dispose of goods owned by the town without written authorization of the town manager. Disposal of capital assets, as set forth by the purchasing policy, require the approval of the town manager.
- (b) Surplus goods shall be offered to the public or other persons or entities through public auction, established markets, posted prices or other appropriate methods as approved by the town manager in the best interests of the town. Surplus goods may be offered by donation to other governmental entities or to private nonprofit agencies. It is recognized, however, that some types and classes of goods may be sold or disposed of more readily and advantageously by other procedures, including barter. In such cases, the town manager may employ such other means, including appraisal, provided the finance department makes a written determination that such procedure is advantageous to the town.
- (c) Disposal of real property shall be approved by the town council as determined to be in the best interest of the town and in accordance with Florida Statute Section 166.045.

Sec. 2-137. Purchasing protests.

- (a) Right to protest. After posting of the recommended awardee, any bidder or proposer who is aggrieved in connection with the recommended award may protest in writing to the town clerk. The right to protest is limited to those procurements of goods or services solicited through an invitation for bid, request for proposals or other competitive solicitation procedures. Notwithstanding the above, the town manager may, in his or her sole discretion, include the right to protest in any solicitation process if in the best interests of the town.
- (b) Notice of protest. The protest shall be submitted within three (3) business days after posting of the award recommendation. The protest shall be in writing (which includes emails) and shall identify the protestor and the solicitation, and shall include a factual summary of the basis of the protest and shall also include any protest bond, if required by the bid or solicitation. Such protest is considered filed when it is received by the town clerk. Received means that the protest documents must be delivered to the town clerk's office by the cut off time period. No protest shall be considered if not submitted in writing within the time frame allowed for the filing of the notice of protest and including any applicable protest bond.

(c) Authority to resolve. Protests filed in accordance with paragraph (b) hereinabove shall be resolved under the provisions of this section.

(1) The town manager shall have the authority to:

a. Uphold the protest. The protest may be upheld based upon a violation of the provisions of this purchasing code or of any other town ordinance, resolution, policy, or procedure, or upon discovery of an irregularity or procedural flaw that is so severe as to render the process invalid. If the upholding of the protest will result in a change of the recommended awardee, a new recommended award shall be posted in town hall. If the upholding of the protest will result in a cancellation of the protested solicitation, the town manager may then cancel the solicitation.

b. Deny the protest. If the protest is denied, the protestor has the right to request that the protest be referred to a special magistrate as described herein below.

c. Refer the protest directly to special magistrate with no determination made by the town manager, in accordance with paragraph (c)(3) herein below.

(2) The town manager shall issue a written statement of the determination within a reasonable period of time. The written statement shall provide the general rationale for said determination and shall be provided to the protestor and to any other party to the protest.

(3) Upon receipt of a denial of the protest, the protestor may request a hearing before the special magistrate. The request for a hearing shall be in writing to the town clerk and shall be made within three business days of issuance of the town manager's determination. The request for a hearing shall be accompanied by a protest bond of a minimum amount of \$1,500.00, or the actual cost, if greater which shall be remitted only in the form of a money order, a certified check, a cashier's check, or a bank check payable to the town.

(4) At no time shall a protestor, party, or any other person, contact the special magistrate regarding any issue pertaining to or involving the protest. Contact between the town and the special magistrate shall be limited to scheduling and other administrative issues, including the provision and copying of public records pertinent to the protest.

(d) Authority of special magistrate. The special magistrate, appointed to hear the town's code enforcement cases, shall also hear bid protests and shall have the jurisdiction and authority to hear and decide protests.

(1) The special magistrate shall make a recommendation as to whether the protest should be upheld or denied.

(2) If the special magistrate upholds the protest, the special magistrate shall either make a recommendation to cancel the solicitation, or to cancel the award recommendation and post a new award recommendation after re-evaluation based on the special magistrate's determination of the facts in the case. In these instances, the town shall return the protestor's bond to the protester after deducting any out of pocket costs incurred by the town related to the appeal.

(3) If the special magistrate denies the protest, the special magistrate shall recommend that the town manager proceed with the posted award recommendation. In these instances, the protestor's bond shall be forfeited.

(4) The town manager may accept the special magistrate's recommendation or, if he/she determines the special magistrate's recommendation is not in the town's best interest, the original award recommendation may be referred to the council for approval. At that time, the council may accept or reject the recommendation of the special magistrate.

(e) Stay of procurement during protests. Notwithstanding anything contained herein to the contrary, in the event of a timely protest, the town manager shall stay the award of the contract unless he/she, with the advice of the town attorney and after consultation with the applicable department head, makes a determination that the award of the contract without delay is necessary to protect substantial interests of the town.

Section 3. Conflict. All Ordinances or parts of Ordinances, Resolutions or parts of Resolutions in conflict herewith be, and the same are hereby repealed to the extent of such conflict.

Section 4. Severability. If any clause, section, or other part or application of this Ordinance shall be held by any court of competent jurisdiction to be unconstitutional or invalid, such unconstitutional or invalid part or application shall be considered as eliminated and so not affecting the validity of the remaining portions or applications remaining in full force and effect.

Section 5. Codification. It is the intention of the Town Council of the Town of Loxahatchee Groves that the provisions of this Ordinance shall become and be made a part of the Code of Ordinances of the Town of Loxahatchee Groves, Florida, that the Sections of this ordinance may be renumbered, re-lettered, and the word "Ordinance" may be changed to "Section", "Article" or such other word or phrase in order to accomplish such intention.

Section 6. Effective Date. This Ordinance shall become effective immediately upon its passage and adoption.

Council Member _____ offered the foregoing ordinance. Council Member _____ seconded the motion, and upon being put to a vote, the vote was as follows:

PASSED AND ADOPTED BY THE TOWN COUNCIL OF THE TOWN OF LOXAHATCHEE GROVES, FLORIDA, ON FIRST READING, THIS ___ DAY OF _____, 2020.

Council Member _____ offered the foregoing ordinance. Council Member _____ seconded the motion, and upon being put to a vote, the vote was as follows:

	<u>Aye</u>	<u>Nay</u>	<u>Absent</u>
LISA EL-RAMEY, MAYOR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MARGE HERZOG, VICE MAYOR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ROBERT SHORR, COUNCIL MEMBER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LAURA DANOWSKI, COUNCIL MEMBER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PHILLIS MANIGLIA, COUNCILMEMBER □ □ □

PASSED AND ADOPTED BY THE TOWN COUNCIL OF THE TOWN LOXAHATCHEE GROVES, ON SECOND READING AND PUBLIC HEARING, THIS ____ DAY OF _____, 2020.

**TOWN OF LOXAHATCHEE GROVES,
FLORIDA**

ATTEST:

Lakisha Q. Burch, Town Clerk

Mayor Lisa El-Ramey

Vice Mayor Marge Herzog

APPROVED AS TO LEGAL FORM:

Office of the Town Attorney

Council Member Laura Danowski

Council Member Robert Shorr

Council Member Phillis Maniglia



155 F Road Loxahatchee Groves, FL 33470

TO: Town Council of Town of Loxahatchee Groves
FROM: Larry A. Peters, P.E. Director of Public Works
VIA: James Titcomb, Town Manager
SUBJECT: Drainage Structures – Proposed Design/Engineering Changes

Background:

Big Dog Ranch:

Previous Town approvals for the construction of Big Dog Ranch required the installation of a drainage outfall structure to discharge to D Canal. This structure was installed in accordance with the original approved design. Town Council recently approved two (2) additional drainage structures for the drainage swale in concert with the paving of D Road adjacent to Big Dog Ranch. The Town Engineer has requested minor modification to the two new structures and a modification to the existing structure, to meet current, water quality standards.

Please find attached Change Orders prepared by WBI for the additional cost associated with the above modifications.

Altman Farms:

Town Council recently approved a drainage structure to replace the failing drainage culvert under D Road at Altman Farms 2208 D Road. During field surveys and preparation of the proposed design for structure review and approval, the Town Engineer requested that an asphalt paving apron be installed to convey the stormwater to the South side of Altman's driveway.

Please find attached Change Order prepared by WBI for the additional cost associated with the above redesign.

B Road Swale Sod Protectors:

Post protectors for the installation of multiple drainage swales and basins along B Road, were not installed during the installation of the drainage. Due to not being protected, most swales have been destroyed and the roadway widened by vehicular traffic. The existing conditions are a roadway hazard and without the swale sod, the basins and culverts will fill with roadway material.

Recommendations:

Staff seeks Councils approval to execute purchase orders to WBI for drainage Change Orders.



155 F Road Loxahatchee Groves, FL 33470

Staff recommends a purchase order be written to WBI, in the amount of \$ 9,166.67, for change orders for Big Dog Ranch Drainage.

Staff recommends a purchase order be written to WBI, in the amount of \$ 3,550.00, for a change order for Altman Farms Drainage.

Staff recommends a purchase order be written to WBI, in the amount of \$ 9,400.00, for change orders for B Road post protectors and sod replacement.



NO.	UNIT	QUANTITY	DP Development		Hardives Paving, Inc.		OHI Community Asphalt		North Florida Emulsions, Inc.		J.W. Cheatam, LLC		Bergerson Land Dev.		
			UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	
1	Bonds & Insurance (2% max)	1	\$16,400.00	\$16,400.00	\$15,500.00	\$15,500.00	\$14,000.00	\$14,000.00	\$20,000.00	\$20,000.00	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00	
2	Mobilization	1	\$22,150.00	\$22,150.00	\$53,622.00	\$53,622.00	\$52,620.00	\$52,620.00	\$10,000.00	\$10,000.00	\$84,160.00	\$84,160.00	\$180,000.00	\$180,000.00	
3	Cleaning & Grubbing	1	\$20,500.00	\$20,500.00	\$5,200.00	\$5,200.00	\$114,090.00	\$114,090.00	\$13,000.00	\$13,000.00	\$104,600.00	\$104,600.00	\$4,540.00	\$4,540.00	
4	Bridge Demolition	2	\$12,950.00	\$25,900.00	\$26,582.50	\$53,165.00	\$25,000.00	\$50,000.00	\$44,180.00	\$88,360.00	\$31,320.00	\$62,640.00	\$23,000.00	\$46,000.00	
5	Miscellaneous Site Demolition (Pipes, Guardrail, Fence etc.)	1	\$3,650.00	\$3,650.00	\$11,060.00	\$11,060.00	\$44,180.00	\$44,180.00	\$17,000.00	\$17,000.00	\$5,120.00	\$5,120.00	\$10,000.00	\$10,000.00	
6	Grading	1	\$14,275.00	\$14,275.00	\$10,200.00	\$10,200.00	\$42,500.00	\$42,500.00	\$18,000.00	\$18,000.00	\$87,815.00	\$87,815.00	\$77,500.00	\$77,500.00	
7	Earthwork	1	\$67,100.00	\$67,100.00	\$16,615.00	\$16,615.00	\$44,500.00	\$44,500.00	\$15,000.00	\$15,000.00	\$89,815.00	\$89,815.00	\$34,000.00	\$34,000.00	
8	12' Compacted Subgrade	20,674	\$1.35	\$27,909.90	\$0.80	\$16,539.20	\$2.45	\$50,651.30	\$1.00	\$20,674.00	\$1.50	\$31,011.00	\$2.00	\$41,348.00	
9	4' Limerock Base (Roadway)	18,498	\$6.55	\$121,161.90	\$7.00	\$129,846.00	\$7.30	\$135,095.40	\$8.00	\$147,984.00	\$7.10	\$131,335.80	\$9.85	\$182,733.30	
10	6' Limerock Base (Driveway)	184	\$16.35	\$3,008.40	\$10.00	\$1,840.00	\$7.40	\$1,361.60	\$10.00	\$1,840.00	\$7.00	\$1,292.00	\$14.25	\$2,622.00	
11	6' Stabilized Shoulder (2' Wide)	7,587	\$2.70	\$20,484.90	\$3.00	\$22,761.00	\$1.00	\$7,587.00	\$3.00	\$22,761.00	\$1.00	\$7,587.00	\$3.35	\$25,416.45	
12	3" O.G.E.M. Pavement Including Filter Fabric	9,35	\$168,075.60	\$1,568,075.60	\$18,65	\$335,252.40	\$5.20	\$93,475.20	\$15.50	\$72,762.80	\$20.00	\$359,520.00	\$21.00	\$413,448.00	
13	Traffic Speed Table (Type S-III Asphalt)	14	\$3,400.00	\$47,600.00	\$2,700.00	\$37,800.00	\$2,100.00	\$29,400.00	\$5,000.00	\$70,000.00	\$1,800.00	\$25,200.00	\$2,500.00	\$35,000.00	
14	Guardrail	201	\$23.40	\$4,703.40	\$25.90	\$5,205.90	\$22.10	\$4,442.10	\$36.00	\$7,236.00	\$23.00	\$4,623.00	\$24.00	\$4,824.00	
15	Guardrail End Anchorage (FDOT Type II)	6	\$1,115.00	\$6,690.00	\$1,215.00	\$7,290.00	\$1,050.00	\$6,300.00	\$4,500.00	\$27,000.00	\$1,080.00	\$6,480.00	\$1,100.00	\$6,600.00	
16	Maintenance of Traffic	1	\$17,500.00	\$17,500.00	\$31,750.00	\$31,750.00	\$61,280.00	\$61,280.00	\$21,000.00	\$21,000.00	\$68,600.00	\$68,600.00	\$155,000.00	\$155,000.00	
17	Type C Ditch Bottom Inlet	20	\$2,200.00	\$44,000.00	\$2,327.50	\$46,550.00	\$2,210.00	\$44,200.00	\$3,500.00	\$70,000.00	\$2,700.00	\$54,000.00	\$2,700.00	\$54,000.00	
18	18" CAP	823	\$57.70	\$47,487.10	\$52.25	\$43,001.75	\$50.40	\$41,479.20	\$77.00	\$63,371.00	\$52.00	\$42,796.00	\$80.00	\$65,840.00	
19	96" CAP	88	\$1,125.00	\$99,000.00	\$465.00	\$40,920.00	\$420.00	\$36,960.00	\$700.00	\$61,600.00	\$432.00	\$38,016.00	\$850.00	\$74,800.00	
20	Sand Cement Endwall or Wingwall for 96" CAP	175	\$380.00	\$66,400.00	\$470.25	\$82,293.75	\$446.00	\$78,050.00	\$710.00	\$124,250.00	\$460.00	\$80,500.00	\$750.00	\$131,250.00	
21	Revetment Rubble Rip Rap (Including Filter Fabric)	SY	\$60.00	\$43,020.00	\$50.60	\$36,282.00	\$47.30	\$33,914.10	\$114.00	\$81,738.00	\$49.00	\$35,133.00	\$120.00	\$86,400.00	
22	Pipe Outfall Rubble Rip Rap (Including Filter Fabric)	EA	\$23.00	\$210.00	\$48.00	\$93.840.00	\$368.00	\$8,864.00	\$550.00	\$12,650.00	\$380.00	\$8,740.00	\$600.00	\$13,800.00	
23	Sand Cement Endwall Per FDOT Index 258	EA	\$1,250.00	\$6,250.00	\$1,280.00	\$6,400.00	\$1,160.00	\$5,840.00	\$2,600.00	\$13,000.00	\$1,190.00	\$5,950.00	\$2,000.00	\$10,000.00	
24	18" CAP Mitered end Per FDOT Index 272	EA	\$1,140.00	\$1,140.00	\$1,166.00	\$1,166.00	\$1,050.00	\$1,050.00	\$600.00	\$600.00	\$1,080.00	\$1,080.00	\$600.00	\$600.00	
25	96" CAP	12,000	\$2.75	\$33,000.00	\$3.95	\$47,400.00	\$3.50	\$42,000.00	\$3.00	\$36,000.00	\$1.95	\$23,400.00	\$3.50	\$42,000.00	
26	Erosion Control Plan (Silt Fence, Turbidity Barrier, Dust Control, NPDES Permit Transfer, Monitoring, Reporting)	1	\$12,500.00	\$12,500.00	\$9,000.00	\$9,000.00	\$19,610.00	\$19,610.00	\$17,000.00	\$17,000.00	\$11,500.00	\$11,500.00	\$30,000.00	\$30,000.00	
27	Survey Layout	1	\$19,600.00	\$19,600.00	\$29,085.00	\$29,085.00	\$30,230.00	\$30,230.00	\$36,000.00	\$36,000.00	\$46,000.00	\$46,000.00	\$94,000.00	\$94,000.00	
28	Record Drawings	1	\$14,000.00	\$14,000.00	\$4,000.00	\$4,000.00	\$12,080.00	\$12,080.00	\$1,000.00	\$1,000.00	\$6,000.00	\$6,000.00	\$3,500.00	\$3,500.00	
29	Geotechnical Testing	1	\$31,800.00	\$31,800.00	\$31,830.00	\$31,830.00	\$36,630.00	\$36,630.00	\$40,000.00	\$40,000.00	\$42,000.00	\$42,000.00	\$3,000.00	\$3,000.00	
30	Signing and Pavement Markings	1	\$22,700.00	\$22,700.00	\$26,950.00	\$26,950.00	\$24,730.00	\$24,730.00	\$35,000.00	\$35,000.00	\$26,000.00	\$26,000.00	\$30,000.00	\$30,000.00	
31	Concrete Support for Fence Posts	EA	\$79.00	\$3,950.00	\$20.00	\$1,000.00	\$57.80	\$2,890.00	\$45.00	\$2,250.00	\$50.00	\$2,500.00	\$110.00	\$5,500.00	
32	Paved Concrete Inlet Apron (Per Structure)	EA	\$640.00	\$5,120.00	\$580.00	\$4,640.00	\$473.00	\$3,784.00	\$950.00	\$7,600.00	\$540.00	\$4,320.00	\$400.00	\$3,200.00	
33	Remove and Replace 15" or 18" CMP with 18" CAP	LF	\$59.50	\$14,280.00	\$55.85	\$13,404.00	\$54.60	\$13,104.00	\$110.00	\$26,400.00	\$57.00	\$13,680.00	\$80.00	\$19,200.00	
34	Remove and Replace 24" CMP with 24" CAP	LF	\$69.00	\$8,418.00	\$70.00	\$8,540.00	\$63.00	\$7,686.00	\$125.00	\$15,625.00	\$65.00	\$7,930.00	\$100.00	\$12,000.00	
35	Support and Protect Utility Pole	EA	\$1,675.00	\$1,675.00	\$8,250.00	\$8,250.00	\$3,990.00	\$3,990.00	\$9,000.00	\$9,000.00	\$3,250.00	\$3,250.00	\$9,100.00	\$9,100.00	
35A	Swale Construction	1,000	\$4.65	\$4,650.00	\$3.75	\$3,750.00	\$6.40	\$6,400.00	\$6.50	\$6,500.00	\$4.00	\$4,000.00	\$2.00	\$2,000.00	
TOTAL BASE BID			\$1,071,029.20	\$1,071,029.20	\$1,183,131.20	\$1,183,131.20	\$1,204,473.90	\$1,204,473.90	\$1,391,332.00	\$1,391,332.00	\$1,563,881.80	\$1,563,881.80	\$1,867,441.75	\$1,867,441.75	
36	1.5" Type S-III Asphalt Pavement	SY	17,976	\$9.35	\$166,075.60	\$6.80	\$122,236.80	\$5.20	\$93,475.20	\$0.00	\$0.00	\$6.50	\$116,844.00	\$7.50	\$134,820.00
37	6" Limerock Base for Roadway	SY	18,498	\$6.55	\$121,161.90	\$8.60	\$159,082.80	\$7.30	\$135,095.40	\$0.00	\$0.00	\$8.60	\$159,082.80	\$6.55	\$121,161.90
38	Delete Item #9 (6" Limerock Base)	SY	18,498	\$6.55	\$121,161.90	\$7.00	\$129,486.00	\$7.30	\$135,095.40	\$0.00	\$0.00	\$7.10	\$131,335.80	\$5.30	\$98,039.40
39	Delete Item #12 (3" O.G.E.M. Pavement)	SY	17,976	\$9.35	\$166,075.60	\$18.65	\$335,252.40	\$5.20	\$93,475.20	\$0.00	\$0.00	\$20.00	\$359,520.00	\$18.00	\$323,568.00
ALTERNATE ITEM No. 1 TOTAL			\$1,071,029.20	\$1,071,029.20	\$999,712.40	\$999,712.40	\$1,204,473.90	\$1,204,473.90	\$0.00	\$0.00	\$1,348,952.80	\$1,348,952.80	\$1,701,816.25	\$1,701,816.25	
40	8" Limerock Base for Roadway	SY	18,498	8.10	\$149,833.80	\$10.40	\$192,379.20	10.50	\$194,229.00	\$0.00	\$0.00	\$10.20	\$188,679.60	8.15	\$150,758.70
41	Delete Item #37 (6" Limerock Base for Roadway)	SY	18,498	6.55	\$121,161.90	\$8.60	\$159,082.80	7.30	\$135,095.40	\$0.00	\$0.00	\$8.60	\$159,082.80	5.95	\$100,063.10
ALTERNATE ITEM No. 2 TOTAL			\$1,099,701.10	\$1,099,701.10	\$1,033,008.80	\$1,033,008.80	\$1,263,667.50	\$1,263,667.50	\$0.00	\$0.00	\$1,378,549.60	\$1,378,549.60	\$1,742,511.85	\$1,742,511.85	
42	3" Asphalt Treated Permeable Base per FDOT Specifications Section 287	SY	17,976	\$0.00	\$0.00	\$0.00	\$0.00	\$14.00	\$251,664.00	\$0.00	\$0.00	\$14.00	\$251,664.00	\$0.00	\$0.00
43	Delete Item #12 (3" O.G.E.M. Pavement)	SY	17,976	\$0.00	\$0.00	\$0.00	\$0.00	\$5.20	\$93,475.20	\$0.00	\$0.00	\$20.00	\$359,520.00	\$0.00	\$0.00
ALTERNATE ITEM No. 3 TOTAL			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,362,662.70	\$0.00	\$0.00	\$1,456,025.80	\$1,456,025.80	\$0.00	\$0.00	

If No Bid for Alternate No. 3, check here

MEMORANDUM

Agenda Item #6

TO: Town Council and Staff

FROM: Stephen D. Sanford, Esq.

DATE: May 20, 2020

RE: Financing Options for Road and Drainage Projects Within the Town of Loxahatchee Groves (the “Town”)

Introduction: I am a principal shareholder of Greenberg Traurig, P.A. (the “Firm”). The Firm is a multinational law firm. I practice in the area of public finance. The Firm’s public finance practice clients include states, counties, cities and special districts throughout the Country. The Town has retained the Firm to provide bond counsel services in connection with its debt financing needs.

Background: On March 14, 2017, the Town held a successful bond referendum whereby the Town was authorized to issue not to exceed \$6,000,000 revenue bonds in one or more series to finance roadway projects. Such bonds would be secured by both the 5 cent and cent local option gas tax (herein, the “Gas Tax Revenue Bonds”). The maximum term of each series of the Gas Tax Revenue Bonds may not exceed thirty (30) years measured from the time of each issue.

On March 12, 2019, the Town held a successful bond referendum whereby the Town was authorized to issue not to exceed \$4,000,000 special assessment bonds in one or more series to finance certain roadway improvements (i.e., North B Road, Los Angeles, San Diego, 22nd Road North (off C Road), Flamingo Paradise and Raymond Drive). The proceeds of these special assessment bonds (herein, the “Special Assessment Bonds”) are to represent the 50% contribution from the landowners benefitting from such roadway improvements. A special assessment bond is different than a typical revenue bond in that the source of repayment is special assessments which can only be levied against land that receives special benefit from the roadway improvements financed with such bonds. Thus, the Special Assessment Bonds will be paid from the special assessments levied against the benefitted property in proportion to the benefit received from the improvements. Since the proceeds from the Special Assessment Bonds only represent 50% the cost of the roadway improvements, the Town will be responsible for the other 50% of such cost. The current thinking is that a portion of the proceeds from the sale of the Gas Tax Revenue Bonds will generate the other 50%. The maximum term of each series of Special Assessment Bonds may not exceed eleven (11) years measured from the time of each issue.

Other Financing Obligation: The Town is not legally required to issue the Gas Tax Revenue Bonds and/or the Special Assessment Bonds and instead may issue general

obligation bonds. To do so the Town would be required to hold a bond referendum. Upon a successful referendum, the Town would levy an ad-valorem tax specifically to pay debt service on such general obligation bonds (the “GO Bonds”). These ad valorem taxes would be levied on all taxable property within the Town and would be in addition to all other ad valorem taxes levied by the Town. Depending on the wording of the ballot question, the proceeds of the GO Bonds could be used for any roadway or other capital project. It should be noted that the proceeds of a GO Bond could also provide the 50% Town obligation with respect to the special assessment projects approved by the March 12, 2019 referendum. It should be further noted that the Town could use the gas tax revenues or other legally available non-ad valorem to pay debt service on the GO Bonds. Any other source of repayment of the GO Bonds would result in a decrease in the amount of ad valorem taxes necessary to pay debt service (i.e., a decrease in the tax burden on the Town’s taxpayers). The obvious benefit to the Town (assuming a successful bond referendum) is that the source of repayment (i.e., ad valorem taxes) would be greater than the gas tax revenues and/or the special assessments and therefore, a larger amount of proceeds from GO Bonds could be generated beyond the proceeds that could be generated from the Sales Tax Revenue Bonds or the Special Assessment Bonds. The GO Bonds could be issued in multiple series over any period of time.

Federal Income Tax Requirements:

In order to issue bonds on a tax-exempt basis, which would enable the Town to have the lowest interest rate cost, certain requirements imposed under the Internal Revenue Code of 1986, as amended, and certain regulations promulgated thereunder must be satisfied. Proceeds from tax-exempt bonds must be used for capital projects and not for working capital purposes such as the payment of operation and maintenance purposes. A second requirement is that the issuer cannot issue more tax-exempt bonds than it expects to expend. Lastly and most importantly, the issuer (such as the Town) must have a reasonable expectation at the time of issuance that it will actually spend at least 85% of the proceeds of a bond issue within three (3) years of issuance. To satisfy these requirements, the Town would need to have legitimate cost estimates for the improvements before issuance to be able to properly size the bonds. The Town would also need to know before issuance that there are no legal impediments to commence and complete the work in order to satisfy the three (3) year expectation test described above. **See “Caveat” below.**

How Bonds Can be Sold:

Bonds can be sold through a public offering. This would involve hiring an underwriter and the need to provide potential investors with an offering document similar to a prospectus for a corporate offering. This means it is expensive and not recommended.

A second way the Town could issue its bonds is through a private placement to a financial institution. This method does not require an underwriter or an offering document. The negative to using a private

placement is banks (who are typical purchasers) will not commit to a term of more than ten (10) years. A bank may be willing to give a longer term but will want the interest rate to reset after the initial ten (10) year term. The Town would have three (3) options at that point which would be (i) accept the new rate even though it could be substantially higher than the initial rate, (ii) find a new source of financing to refinance the initial debt at a lower rate than the reset rate, or (iii) pay off all or a portion of the existing debt with legally available proceeds. If the Town can pay debt service on a ten (10) year obligation, the market risk described above would not be a factor.

A third option would be where the Town would not be the issuer and would borrow through State of Florida established various bond programs such as the Florida League of Cities, which is a sponsor of the Florida Municipal Loan Council. Utilizing this program shifts all of the administrative responsibilities to that entity including, but not limited to, finding a willing financial institution through an RFP process. Since the Town does not have an established debt issuance history, using this method to achieve its financing needs may be the best option.

Caveat:

It is my understanding that in order to construct and repair certain roadway improvements taking into account the natural widening of the canals, the Town will need to obtain easements on certain private property. While this may not be an issue with certain property owners, not all property owners will not readily grant such easements. I defer to the Town Attorney on how and what process is necessary to obtain these easements. However, from a tax-law requirements standpoint, this issue must be resolved before the Town incurs any debt if the ability to spend the proceeds is held up by the lack of these easements. Otherwise, the Town would not have a reasonable expectation that it could expend 85% of the proceeds within three (3) years.

Leverage of Grant Money:

Both the State and the County have awarded the Town certain grant money. However, the grants require matching funds from the Town. The logical source of the matching funds from the Town would be a portion of the proceeds from the Sales Tax Revenue Bonds. If the proceeds from the Sales Tax Revenue Bonds can be used to provide the necessary match, the Town could in effect leverage the bond issue to receive the matching grant funds. A further analysis of the grant conditions would be necessary to achieve such leverage.

Recommendations:

In light of the various financing options available or that may become available to the Town (i.e., Sales Tax Revenue Bonds, Special Assessment Bonds and/or GO Bonds), it seems necessary that the Town first develop a master plan for its road and drainage projects with input from residents. Such master plan should include an up-to-date cost estimate which should include the possible cost of acquiring the necessary rights-of-way easements. It seems apparent that not all of the roadway projects can be

financed with the available sources. In light of that reality, such master plan should develop a priority of projects. It is my understanding that certain policies regarding priority of projects have been established. Such policies should be refreshed and confirmed.

Disclaimer:

This memorandum is not intended to provide any financial advice within the meaning of Section 15B of the Securities and Exchange Act of 1936, as amended.

Conclusion:

It would be a pleasure to answer any questions or discuss these matters in greater detail.

50565317v2/188742.010100



May 20, 2020

Town of Loxahatchee Groves
155 F Road
Loxahatchee Groves, Florida 33470

Attention: Ms. Francine Ramaglia

Reference: B Road Typical Sections and Traffic Calming
Loxahatchee Groves, Florida

Dear Ms. Francine:

At your request, Simmons & White, Inc. has developed several Typical Section alternatives for B Road north of Okeechobee Boulevard. While the sections were specifically intended for B Road, they can be utilized for other roadways within the Town. In addition to the B Road Typical Sections, several traffic calming alternatives were also developed. These traffic calming alternatives can be used Town wide as applicable.

B Road north of Okeechobee Boulevard is currently a two-lane unpaved roadway that varies in width but is generally between 18 and 24 feet wide depending on the location. However, the location of the roadway has shifted east away from the existing canal over time and in many locations is encroaching into adjacent owner's property. The potential of the Town acquiring easements or right of way from affected property varies by owner.

The B Road Typical Sections were prepared utilizing the draft Maintenance Maps prepared by Keshavarz & Associates. It should be noted that the Maintenance Maps for B Road have not officially been adopted by the Town. Additionally, the B Road Typical Sections are not intended as a final design. A comprehensive topographic survey along with a full engineering design is recommended prior to construction of any of the alternatives.

The B Road Typical Sections are included in Attachment 1 and may be summarized as follows:

1A: 18' OGEM Roadway
1B: 18' Asphalt Roadway
1C: 18' Shellrock Roadway
1D: 18' Asphalt Roadway with ½ inch Water Quality Swale
1E: 18' Asphalt Roadway with Guardrail

2A: 20' OGEM. Roadway
2B: 20' Asphalt Roadway
2C: 20' Shellrock Roadway
2D: 20' Asphalt Roadway with ½ inch Water Quality Swale
2E: 20' Asphalt Roadway with Guardrail

3A: 22' OGEM. Roadway
3B: 22' Asphalt Roadway
3C: 22' Shellrock Roadway
3D: 22' Asphalt Roadway with ½ inch Water Quality Swale
3E: 22' Asphalt Roadway with Guardrail

4: One-Way Pair with Horse Trails, Guardrail, and ½" Water Quality Swale

The B Road Typical Sections 1 through 3 are similar with the exception of the roadway width ranging from 18 to 22 feet. A minimum roadway width of 18 feet is recommended for two-way roadways as it is the minimum width needed for by-passing vehicles. Further, 18-foot roadways should be limited to roadways and/or sections with less than 400 daily trips and minimal large vehicle traffic. Roadways with volumes exceeding 400 daily trips or with significant truck traffic should ideally be 20- or 22-foot roadways.

A roadway surface material of Open Graded Emulsion Mix (OGEM), asphalt, and shellrock is provided for each of the roadway width alternatives. The last two alternatives consist of a ½ inch water quality swale and guardrail. While these two additional measures are included separately and with asphalt surface, they can and should be used in conjunction with any surface. The roadway does not meet minimum clear zone requirements without the presence of guardrail or any other suitable barrier. A minimum of 2.5 feet of width is required for the guardrail but a larger width may be required depending on the slope of the canal bank. All B Road Typical Sections 1A through 3E include a 6-foot horse trail on the west side of the canal.

Ms. Francine Ramaglia
May 20, 2020 – Page 3

B Road Typical Section 4 includes a one-way pair roadway with a horse trail on both sides of the road. The east side of the canal would be the northbound direction and the west side of the canal would be the southbound direction. East-west crossings connecting the two lanes would be provided at the existing canal crossings. The first section of B Road north of Okeechobee Boulevard to the first crossing should remain as two-lane roadway even for this scenario.

For all OGEM and asphalt typical sections of the roadway, a preliminary cost estimate has been included. The cost estimate assumes no canal work will be required and a new base and subgrade for the asphalt sections. However, the existing shellrock roadway potentially could be utilized as a base depending on the thickness and density of limerock.

Several traffic calming alternatives have also been prepared and are included in Attachment 2 to this letter. Each traffic calming alternative has pros, cons, and an estimated cost.

Please review this letter and do not hesitate to contact our office if you should have any questions or require any additional information

Sincerely,

SIMMONS & WHITE, INC.

A handwritten signature in blue ink, appearing to read "B. Kelley".

Bryan Kelley, P.E.

SIMMONS & WHITE, INC.

2581 METROCENTRE BOULEVARD WEST, SUITE 3, WEST PALM BEACH, FLORIDA 33407
CERTIFICATE OF AUTHORIZATION #3452

ENGINEER'S COST ESTIMATE

B Road Typical Sections
Alternative 1A
18 Foot OGEM Roadway - 2 miles of roadway

JOB NO. 20-022
PREPARED: BK
May 2020

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>UNIT COST</u>	<u>ESTIMATED COST</u>
A.	<u>ROADWAY</u>				
1	3" OGEM OVERLAY	21120	S.Y.	\$12.00	\$253,440.00
2	REGRADE AND RECOMPACT EXISTING SHELL-ROCK ROAD	21120	S.Y.	\$8.00	\$168,960.00
3	STRIPING & SIGNAGE	1	JOB	L.S.	\$25,000.00
				SUBTOTAL =	\$447,400.00
B.	<u>HORSE TRAIL</u>				
4	2" SURFACE COURSE	7040	S.Y.	\$4.00	\$28,160.00
5	2" BASE COURSE	7040	S.Y.	\$4.00	\$28,160.00
6	12" COMPACTED SUBGRADE	7040	S.Y.	\$3.00	\$21,120.00
7	EXCAVATION	3129	C.Y.	\$4.00	\$12,516.00
				SUBTOTAL =	\$89,956.00
8	MOBILIZATION 3%	1	JOB	L.S	\$16,120.68
9	MOT 5%	1	JOB	L.S	\$26,867.80
				<u>TOTAL</u>	\$580,344.48
				<u>15% CONTIGENCY</u>	<u>\$87,051.67</u>
				<u>TOTAL =</u>	<u>\$667,396.15</u>

Note:
Assumes no work required on existing canal section.

SIMMONS & WHITE, INC.

2581 METROCENTRE BOULEVARD WEST, SUITE 3, WEST PALM BEACH, FLORIDA 33407
 CERTIFICATE OF AUTHORIZATION #3452

ENGINEER'S COST ESTIMATE

B Road Typical Sections
 Alternative 1B
 18 Foot Asphalt Roadway - 2 miles of roadway

JOB NO. 20-022
 PREPARED: BK
 May 2020

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>UNIT COST</u>	<u>ESTIMATED COST</u>
A.	<u>ROADWAY</u>				
1	12" COMPACTED SUBGRADE	21120	S.Y.	\$3.00	\$63,360.00
2	8" LIMEROCK	21120	S.Y.	\$13.00	\$274,560.00
3	1-1/2" ASPHALT (ONE LIFT)	21120	S.Y.	\$9.00	\$190,080.00
4	EXCAVATE AND REMOVE EXISTING ROAD	14080	C.Y.	\$10.00	\$140,800.00
5	STRIPING & SIGNAGE	1	JOB	L.S.	\$25,000.00
				SUBTOTAL =	\$693,800.00
B.	<u>HORSE TRAIL</u>				
6	2" SURFACE COURSE	7040	S.Y.	\$4.00	\$28,160.00
7	2" BASE COURSE	7040	S.Y.	\$4.00	\$28,160.00
8	12" COMPACTED SUBGRADE	7040	S.Y.	\$3.00	\$21,120.00
9	EXCAVATION	3129	C.Y.	\$4.00	\$12,516.00
				SUBTOTAL =	\$89,956.00
10	MOBILIZATION 3%	1	JOB	L.S.	\$23,512.68
11	MOT 5%	1	JOB	L.S.	\$39,187.80
				<u>TOTAL</u>	<u>\$846,456.48</u>
				<u>15% CONTIGENCY</u>	<u>\$126,968.47</u>
				<u>TOTAL =</u>	<u>\$973,424.95</u>

Notes:

Roadway costs assumes new limerock base and compacted subgrade. Existing shell-rock road may be able to be utilized if the minimum thickness and density requirements are met.
 Assumes no work required on existing canal section.

SIMMONS & WHITE, INC.

2581 METROCENTRE BOULEVARD WEST, SUITE 3, WEST PALM BEACH, FLORIDA 33407
 CERTIFICATE OF AUTHORIZATION #3452

ENGINEER'S COST ESTIMATE

B Road Typical Sections
 Alternative 1D
 18 Foot Asphalt Roadway with Water Quality Swale - 2 miles of roadway

JOB NO. 20-022
 PREPARED: BK
 May 2020

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>UNIT COST</u>	<u>ESTIMATED COST</u>
A. ROADWAY					
1	12" COMPACTED SUBGRADE	21120	S.Y.	\$3.00	\$63,360.00
2	8" LIMEROCK	21120	S.Y.	\$13.00	\$274,560.00
3	1-1/2" ASPHALT (ONE LIFT)	21120	S.Y.	\$9.00	\$190,080.00
4	EXCAVATE AND REMOVE EXISTING ROAD	14080	C.Y.	\$10.00	\$140,800.00
5	GRADE AND SOD SWALE	3520	S.Y.	\$3.00	\$10,560.00
6	STRIPING & SIGNAGE	1	JOB	L.S.	\$25,000.00
SUBTOTAL =					\$704,360.00
B. HORSE TRAIL					
7	2" SURFACE COURSE	7040	S.Y.	\$4.00	\$28,160.00
8	2" BASE COURSE	7040	S.Y.	\$4.00	\$28,160.00
9	12" COMPACTED SUBGRADE	7040	S.Y.	\$3.00	\$21,120.00
10	EXCAVATION	3129	C.Y.	\$4.00	\$12,516.00
SUBTOTAL =					\$89,956.00
10	MOBILIZATION 3%	1	JOB	L.S	\$23,829.48
11	MOT 5%	1	JOB	L.S	\$39,715.80
TOTAL					\$857,861.28
15% CONTIGENCY					\$128,679.19
<u>TOTAL =</u>					<u>\$986,540.47</u>

Notes:

Roadway costs assumes new limerock base and compacted subgrade. Existing shell-rock road may be able to be utilized if the minimum thickness and density requirements are met.
 Assumes no work required on existing canal section.

SIMMONS & WHITE, INC.

2581 METROCENTRE BOULEVARD WEST, SUITE 3, WEST PALM BEACH, FLORIDA 33407
 CERTIFICATE OF AUTHORIZATION #3452

ENGINEER'S COST ESTIMATE

B Road Typical Sections
 Alternative 1E
 18 Foot Asphalt Roadway with Guardrail - 2 miles of roadway

JOB NO. 20-022
 PREPARED: BK
 May 2020

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>UNIT COST</u>	<u>ESTIMATED COST</u>
A. <u>ROADWAY</u>					
1	12" COMPACTED SUBGRADE	21120	S.Y.	\$3.00	\$63,360.00
2	8" LIMEROCK	21120	S.Y.	\$13.00	\$274,560.00
3	1-1/2" ASPHALT (ONE LIFT)	21120	S.Y.	\$9.00	\$190,080.00
4	EXCAVATE AND REMOVE EXISTING ROAD	14080	C.Y.	\$10.00	\$140,800.00
5	GUARDRAIL	10500	L.F.	\$55.00	\$577,500.00
6	STRIPING & SIGNAGE	1	JOB	L.S.	\$25,000.00
SUBTOTAL =					\$1,271,300.00
B. <u>HORSE TRAIL</u>					
7	2" SURFACE COURSE	7040	S.Y.	\$4.00	\$28,160.00
8	2" BASE COURSE	7040	S.Y.	\$4.00	\$28,160.00
9	12" COMPACTED SUBGRADE	7040	S.Y.	\$3.00	\$21,120.00
10	EXCAVATION	3129	C.Y.	\$4.00	\$12,516.00
SUBTOTAL =					\$89,956.00
10	MOBILIZATION 3%	1	JOB	L.S	\$40,837.68
11	MOT 5%	1	JOB	L.S	\$68,062.80
TOTAL					\$1,470,156.48
15% CONTIGENCY					\$220,523.47
<u>TOTAL =</u>					<u>\$1,690,679.95</u>

Notes:

Roadway costs assumes new limerock base and compacted subgrade. Existing shell-rock road may be able to be utilized if the minimum thickness and density requirements are met.
 Assumes no work required on existing canal section.

SIMMONS & WHITE, INC.

2581 METROCENTRE BOULEVARD WEST, SUITE 3, WEST PALM BEACH, FLORIDA 33407
 CERTIFICATE OF AUTHORIZATION #3452

ENGINEER'S COST ESTIMATE

B Road Typical Sections
 Alternative 2A
 20 Foot OGEM Roadway - 2 miles of roadway

JOB NO. 20-022
 PREPARED: BK
 May 2020

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>UNIT COST</u>	<u>ESTIMATED COST</u>
A.	<u>ROADWAY</u>				
1	3" OGEM OVERLAY	23467	S.Y.	\$12.00	\$281,600.00
2	REGRADE AND RECOMPACT EXISTING SHELL-ROCK ROAD	23467	S.Y.	\$8.00	\$187,733.33
3	STRIPING & SIGNAGE	1	JOB	L.S.	\$25,000.00
				SUBTOTAL =	\$494,333.33
B.	<u>HORSE TRAIL</u>				
4	2" SURFACE COURSE	7040	S.Y.	\$4.00	\$28,160.00
5	2" BASE COURSE	7040	S.Y.	\$4.00	\$28,160.00
6	12" COMPACTED SUBGRADE	7040	S.Y.	\$3.00	\$21,120.00
7	EXCAVATION	3129	C.Y.	\$4.00	\$12,516.00
				SUBTOTAL =	\$89,956.00
8	MOBILIZATION 3%	1	JOB	L.S	\$17,528.68
9	MOT 5%	1	JOB	L.S	\$29,214.47
				<u>TOTAL</u>	\$631,032.48
				<u>15% CONTIGENCY</u>	<u>\$94,654.87</u>
				<u>TOTAL =</u>	<u>\$725,687.35</u>

Note:
 Assumes no work required on existing canal section.

SIMMONS & WHITE, INC.

2581 METROCENTRE BOULEVARD WEST, SUITE 3, WEST PALM BEACH, FLORIDA 33407
 CERTIFICATE OF AUTHORIZATION #3452

ENGINEER'S COST ESTIMATE

B Road Typical Sections
 Alternative 2B
 20 Foot Asphalt Roadway - 2 miles of roadway

JOB NO. 20-022
 PREPARED: BK
 May 2020

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>UNIT COST</u>	<u>ESTIMATED COST</u>
A.	<u>ROADWAY</u>				
1	12" COMPACTED SUBGRADE	23467	S.Y.	\$3.00	\$70,400.00
2	8" LIMEROCK	23467	S.Y.	\$13.00	\$305,066.67
3	1-1/2" ASPHALT (ONE LIFT)	23467	S.Y.	\$9.00	\$211,200.00
4	EXCAVATE AND REMOVE EXISTING ROAD	15644	C.Y.	\$10.00	\$156,444.44
5	STRIPING & SIGNAGE	1	JOB	L.S.	\$25,000.00
				SUBTOTAL =	\$768,111.11
B.	<u>HORSE TRAIL</u>				
6	2" SURFACE COURSE	7040	S.Y.	\$4.00	\$28,160.00
7	2" BASE COURSE	7040	S.Y.	\$4.00	\$28,160.00
8	12" COMPACTED SUBGRADE	7040	S.Y.	\$3.00	\$21,120.00
9	EXCAVATION	3129	C.Y.	\$4.00	\$12,516.00
				SUBTOTAL =	\$89,956.00
10	MOBILIZATION 3%	1	JOB	L.S.	\$25,742.01
11	MOT 5%	1	JOB	L.S.	\$42,903.36
				<u>TOTAL</u>	<u>\$926,712.48</u>
				<u>15% CONTIGENCY</u>	<u>\$139,006.87</u>
				<u>TOTAL =</u>	<u>\$1,065,719.35</u>

Notes:
 Roadway costs assumes new limerock base and compacted subgrade. Existing shell-rock road may be able to be utilized if the minimum thickness and density requirements are met.
 Assumes no work required on existing canal section.

SIMMONS & WHITE, INC.

2581 METROCENTRE BOULEVARD WEST, SUITE 3, WEST PALM BEACH, FLORIDA 33407
 CERTIFICATE OF AUTHORIZATION #3452

ENGINEER'S COST ESTIMATE

B Road Typical Sections
 Alternative 2D
 20 Foot Asphalt Roadway with Water Quality Swale - 2 miles of roadway

JOB NO. 20-022
 PREPARED: BK
 May 2020

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>UNIT COST</u>	<u>ESTIMATED COST</u>
A.	<u>ROADWAY</u>				
1	12" COMPACTED SUBGRADE	23467	S.Y.	\$3.00	\$70,400.00
2	8" LIMEROCK	23467	S.Y.	\$13.00	\$305,066.67
3	1-1/2" ASPHALT (ONE LIFT)	23467	S.Y.	\$9.00	\$211,200.00
4	EXCAVATE AND REMOVE EXISTING ROAD	15644	C.Y.	\$10.00	\$156,444.44
5	GRADE AND SOD SWALE	3520	S.Y.	\$3.00	\$10,560.00
6	STRIPING & SIGNAGE	1	JOB	L.S.	\$25,000.00
				SUBTOTAL =	\$778,671.11
B.	<u>HORSE TRAIL</u>				
7	2" SURFACE COURSE	7040	S.Y.	\$4.00	\$28,160.00
8	2" BASE COURSE	7040	S.Y.	\$4.00	\$28,160.00
9	12" COMPACTED SUBGRADE	7040	S.Y.	\$3.00	\$21,120.00
10	EXCAVATION	3129	C.Y.	\$4.00	\$12,516.00
				SUBTOTAL =	\$89,956.00
10	MOBILIZATION 3%	1	JOB	L.S	\$26,058.81
11	MOT 5%	1	JOB	L.S	\$43,431.36
				TOTAL	\$938,117.28
				15% CONTIGENCY	\$140,717.59
				<u>TOTAL =</u>	<u>\$1,078,834.87</u>

Notes:

Roadway costs assumes new limerock base and compacted subgrade. Existing shell-rock road may be able to be utilized if the minimum thickness and density requirements are met.
 Assumes no work required on existing canal section.

SIMMONS & WHITE, INC.

2581 METROCENTRE BOULEVARD WEST, SUITE 3, WEST PALM BEACH, FLORIDA 33407
 CERTIFICATE OF AUTHORIZATION #3452

ENGINEER'S COST ESTIMATE

B Road Typical Sections
 Alternative 2E
 20 Foot Asphalt Roadway with Guardrail - 2 miles of roadway

JOB NO. 20-022
 PREPARED: BK
 May 2020

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>UNIT COST</u>	<u>ESTIMATED COST</u>
A. ROADWAY					
1	12" COMPACTED SUBGRADE	23467	S.Y.	\$3.00	\$70,400.00
2	8" LIMEROCK	23467	S.Y.	\$13.00	\$305,066.67
3	1-1/2" ASPHALT (ONE LIFT)	23467	S.Y.	\$9.00	\$211,200.00
4	EXCAVATE AND REMOVE EXISTING ROAD	15644	C.Y.	\$10.00	\$156,444.44
5	GUARDRAIL	10500	L.F.	\$55.00	\$577,500.00
6	STRIPING & SIGNAGE	1	JOB	L.S.	\$25,000.00
SUBTOTAL =					\$1,345,611.11
B. HORSE TRAIL					
7	2" SURFACE COURSE	7040	S.Y.	\$4.00	\$28,160.00
8	2" BASE COURSE	7040	S.Y.	\$4.00	\$28,160.00
9	12" COMPACTED SUBGRADE	7040	S.Y.	\$3.00	\$21,120.00
10	EXCAVATION	3129	C.Y.	\$4.00	\$12,516.00
SUBTOTAL =					\$89,956.00
10	MOBILIZATION 3%	1	JOB	L.S	\$43,067.01
11	MOT 5%	1	JOB	L.S	\$71,778.36
TOTAL					\$1,550,412.48
15% CONTIGENCY					\$232,561.87
<u>TOTAL =</u>					<u>\$1,782,974.35</u>

Notes:

Roadway costs assumes new limerock base and compacted subgrade. Existing shell-rock road may be able to be utilized if the minimum thickness and density requirements are met.
 Assumes no work required on existing canal section.

SIMMONS & WHITE, INC.

2581 METROCENTRE BOULEVARD WEST, SUITE 3, WEST PALM BEACH, FLORIDA 33407
CERTIFICATE OF AUTHORIZATION #3452

ENGINEER'S COST ESTIMATE

B Road Typical Sections
Alternative 3A
22 Foot OGEM Roadway - 2 miles of roadway

JOB NO. 20-022
PREPARED: BK
May 2020

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>UNIT COST</u>	<u>ESTIMATED COST</u>
A.	<u>ROADWAY</u>				
1	3" OGEM OVERLAY	25813	S.Y.	\$12.00	\$309,760.00
2	REGRADE AND RECOMPACT EXISTING SHELL-ROCK ROAD	25813	S.Y.	\$8.00	\$206,506.67
3	STRIPING & SIGNAGE	1	JOB	L.S.	\$25,000.00
				SUBTOTAL =	\$541,266.67
B.	<u>HORSE TRAIL</u>				
4	2" SURFACE COURSE	7040	S.Y.	\$4.00	\$28,160.00
5	2" BASE COURSE	7040	S.Y.	\$4.00	\$28,160.00
6	12" COMPACTED SUBGRADE	7040	S.Y.	\$3.00	\$21,120.00
7	EXCAVATION	3129	C.Y.	\$4.00	\$12,516.00
				SUBTOTAL =	\$89,956.00
8	MOBILIZATION 3%	1	JOB	L.S	\$18,936.68
9	MOT 5%	1	JOB	L.S	\$31,561.13
				<u>TOTAL</u>	\$681,720.48
				<u>15% CONTIGENCY</u>	<u>\$102,258.07</u>
				<u>TOTAL =</u>	<u>\$783,978.55</u>

Note:
Assumes no work required on existing canal section.

SIMMONS & WHITE, INC.

2581 METROCENTRE BOULEVARD WEST, SUITE 3, WEST PALM BEACH, FLORIDA 33407
 CERTIFICATE OF AUTHORIZATION #3452

ENGINEER'S COST ESTIMATE

B Road Typical Sections
 Alternative 3B
 22 Foot Asphalt Roadway - 2 miles of roadway

JOB NO. 20-022
 PREPARED: BK
 May 2020

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>UNIT COST</u>	<u>ESTIMATED COST</u>
A.	<u>ROADWAY</u>				
1	12" COMPACTED SUBGRADE	25813	S.Y.	\$3.00	\$77,440.00
2	8" LIMEROCK	25813	S.Y.	\$13.00	\$335,573.33
3	1-1/2" ASPHALT (ONE LIFT)	25813	S.Y.	\$9.00	\$232,320.00
4	EXCAVATE AND REMOVE EXISTING ROAD	17209	C.Y.	\$10.00	\$172,088.89
5	STRIPING & SIGNAGE	1	JOB	L.S.	\$25,000.00
				SUBTOTAL =	\$842,422.22
B.	<u>HORSE TRAIL</u>				
6	2" SURFACE COURSE	7040	S.Y.	\$4.00	\$28,160.00
7	2" BASE COURSE	7040	S.Y.	\$4.00	\$28,160.00
8	12" COMPACTED SUBGRADE	7040	S.Y.	\$3.00	\$21,120.00
9	EXCAVATION	3129	C.Y.	\$4.00	\$12,516.00
				SUBTOTAL =	\$89,956.00
10	MOBILIZATION 3%	1	JOB	L.S.	\$27,971.35
11	MOT 5%	1	JOB	L.S.	\$46,618.91
				<u>TOTAL</u>	\$1,006,968.48
				<u>15% CONTIGENCY</u>	<u>\$151,045.27</u>
				<u>TOTAL =</u>	<u>\$1,158,013.75</u>

Notes:
 Roadway costs assumes new limerock base and compacted subgrade. Existing shell-rock road may be able to be utilized if the minimum thickness and density requirements are met.
 Assumes no work required on existing canal section.

SIMMONS & WHITE, INC.

2581 METROCENTRE BOULEVARD WEST, SUITE 3, WEST PALM BEACH, FLORIDA 33407
 CERTIFICATE OF AUTHORIZATION #3452

ENGINEER'S COST ESTIMATE

B Road Typical Sections
 Alternative 3D
 22 Foot Asphalt Roadway with Water Quality Swale - 2 miles of roadway

JOB NO. 20-022
 PREPARED: BK
 May 2020

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>UNIT COST</u>	<u>ESTIMATED COST</u>
A. <u>ROADWAY</u>					
1	12" COMPACTED SUBGRADE	25813	S.Y.	\$3.00	\$77,440.00
2	8" LIMEROCK	25813	S.Y.	\$13.00	\$335,573.33
3	1-1/2" ASPHALT (ONE LIFT)	25813	S.Y.	\$9.00	\$232,320.00
4	EXCAVATE AND REMOVE EXISTING ROAD	17209	C.Y.	\$10.00	\$172,088.89
5	GRADE AND SOD SWALE	3520	S.Y.	\$3.00	\$10,560.00
6	STRIPING & SIGNAGE	1	JOB	L.S.	\$25,000.00
SUBTOTAL =					\$852,982.22
B. <u>HORSE TRAIL</u>					
7	2" SURFACE COURSE	7040	S.Y.	\$4.00	\$28,160.00
8	2" BASE COURSE	7040	S.Y.	\$4.00	\$28,160.00
9	12" COMPACTED SUBGRADE	7040	S.Y.	\$3.00	\$21,120.00
10	EXCAVATION	3129	C.Y.	\$4.00	\$12,516.00
SUBTOTAL =					\$89,956.00
10	MOBILIZATION 3%	1	JOB	L.S	\$28,288.15
11	MOT 5%	1	JOB	L.S	\$47,146.91
TOTAL					\$1,018,373.28
15% CONTIGENCY					\$152,755.99
<u>TOTAL =</u>					<u>\$1,171,129.27</u>

Notes:

Roadway costs assumes new limerock base and compacted subgrade. Existing shell-rock road may be able to be utilized if the minimum thickness and density requirements are met.
 Assumes no work required on existing canal section.

SIMMONS & WHITE, INC.

2581 METROCENTRE BOULEVARD WEST, SUITE 3, WEST PALM BEACH, FLORIDA 33407
 CERTIFICATE OF AUTHORIZATION #3452

ENGINEER'S COST ESTIMATE

B Road Typical Sections
 Alternative 3E
 22 Foot Asphalt Roadway with Guardrail - 2 miles of roadway

JOB NO. 20-022
 PREPARED: BK
 May 2020

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>UNIT COST</u>	<u>ESTIMATED COST</u>
A. ROADWAY					
1	12" COMPACTED SUBGRADE	25813	S.Y.	\$3.00	\$77,440.00
2	8" LIMEROCK	25813	S.Y.	\$13.00	\$335,573.33
3	1-1/2" ASPHALT (ONE LIFT)	25813	S.Y.	\$9.00	\$232,320.00
4	EXCAVATE AND REMOVE EXISTING ROAD	17209	C.Y.	\$10.00	\$172,088.89
5	GUARDRAIL	10500	L.F.	\$55.00	\$577,500.00
6	STRIPING & SIGNAGE	1	JOB	L.S.	\$25,000.00
SUBTOTAL =					\$1,419,922.22
B. HORSE TRAIL					
7	2" SURFACE COURSE	7040	S.Y.	\$4.00	\$28,160.00
8	2" BASE COURSE	7040	S.Y.	\$4.00	\$28,160.00
9	12" COMPACTED SUBGRADE	7040	S.Y.	\$3.00	\$21,120.00
10	EXCAVATION	3129	C.Y.	\$4.00	\$12,516.00
SUBTOTAL =					\$89,956.00
10	MOBILIZATION 3%	1	JOB	L.S	\$45,296.35
11	MOT 5%	1	JOB	L.S	\$75,493.91
TOTAL					\$1,630,668.48
15% CONTIGENCY					\$244,600.27
<u>TOTAL =</u>					<u>\$1,875,268.75</u>

Notes:
 Roadway costs assumes new limerock base and compacted subgrade. Existing shell-rock road may be able to be utilized if the minimum thickness and density requirements are met.
 Assumes no work required on existing canal section.

SIMMONS & WHITE, INC.

2581 METROCENTRE BOULEVARD WEST, SUITE 3, WEST PALM BEACH, FLORIDA 33407
 CERTIFICATE OF AUTHORIZATION #3452

ENGINEER'S COST ESTIMATE

B Road Typical Sections
 Alternative 4
 One Way Pair with Guardrail - 2 miles of roadway

JOB NO. 20-022
 PREPARED: BK
 May 2020

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>UNIT COST</u>	<u>ESTIMATED COST</u>
A. ROADWAY					
1	12" COMPACTED SUBGRADE	28160	S.Y.	\$3.00	\$84,480.00
2	8" LIMEROCK	28160	S.Y.	\$13.00	\$366,080.00
3	1-1/2" ASPHALT (ONE LIFT)	28160	S.Y.	\$9.00	\$253,440.00
4	EXCAVATE AND REMOVE EXISTING ROAD	18773	C.Y.	\$10.00	\$187,733.33
5	GUARDRAIL	21000	L.F.	\$55.00	\$1,155,000.00
6	STRIPING & SIGNAGE	1	JOB	L.S.	\$25,000.00
SUBTOTAL =					\$2,071,733.33
B. HORSE TRAIL					
7	2" SURFACE COURSE	14080	S.Y.	\$4.00	\$56,320.00
8	2" BASE COURSE	14080	S.Y.	\$4.00	\$56,320.00
9	12" COMPACTED SUBGRADE	14080	S.Y.	\$3.00	\$42,240.00
10	EXCAVATION	6258	C.Y.	\$4.00	\$25,032.00
11	FENCE	21000	L.F.	\$10.00	\$210,000.00
SUBTOTAL =					\$389,912.00
10	MOBILIZATION 3%	1	JOB	L.S.	\$73,849.36
11	MOT 5%	1	JOB	L.S.	\$123,082.27
TOTAL					\$2,658,576.96
15% CONTIGENCY					\$398,786.54
<u>TOTAL =</u>					<u>\$3,057,363.50</u>

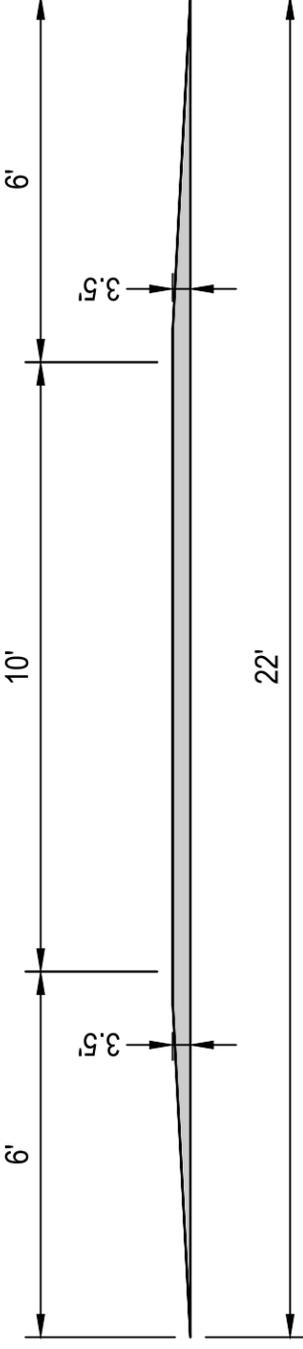
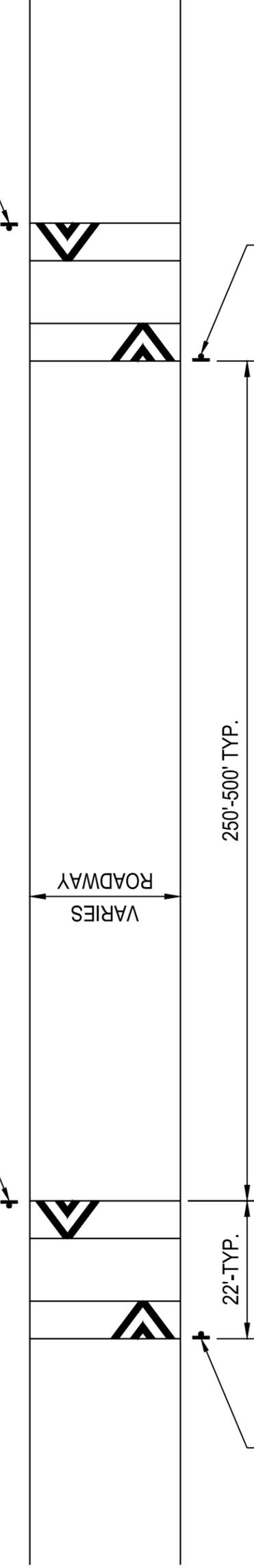
Notes:

Roadway costs assumes new limerock base and compacted subgrade. Existing shell-rock road may be able to be utilized if the minimum thickness and density requirements are met.

Assumes no work required on existing canal section.

Does not include any potential bridge work between the two one-way sections.

WINDSOR SPEED TABLE; SEE B ROAD SOUTH OF OKEECHOBEE PLANS AND/OR PBC TYPICALS FOR APPROACH SIGNING THAT SHOULD BE INCLUDED



PROS:

- 1.) EFFECTIVE IN REDUCING VEHICLE SPEED.
- 2.) LOW COST.
- 3.) PROPOSED SPEED TABLES "SMOOTHER" THAN SPEED HUMPS TO PROVIDE LESS DISCOMFORT TO DRIVERS.

NOTES:

- 1.) SHOULD NOT BE INSTALLED WITHIN 400 FEET OF A STOP SIGN OR TRAFFIC SIGNAL.
- 2.) ROADWAY SHOULD BE A MINIMUM OF 800 FEET IN LENGTH.
- 3.) AVERAGE DAILY VOLUME ON ROADWAY SHOULD BE LESS THAN 3,000 TRIPS.
- 4.) POSTED SPEED LIMIT SHOULD BE 30 MPH OR LESS.
- 5.) COST: \$2,500-\$5,000 PER SPEED TABLE.

CONS:

- 1.) POTENTIALLY SLOW DOWN EMERGENCY RESCUE VEHICLES.
- 2.) CAN BE NOISY.
- 3.) NOT AESTHETICALLY PLEASING.
- 4.) DISCOMFORT FOR DRIVERS.

SECTION

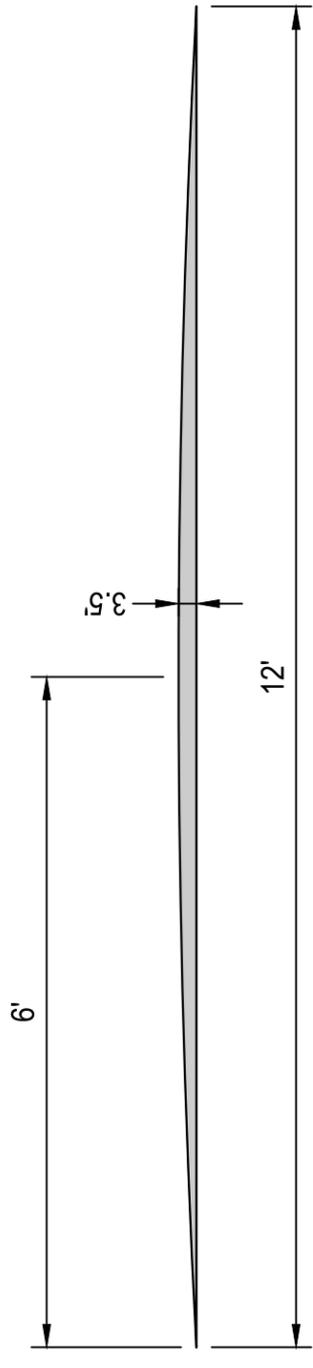
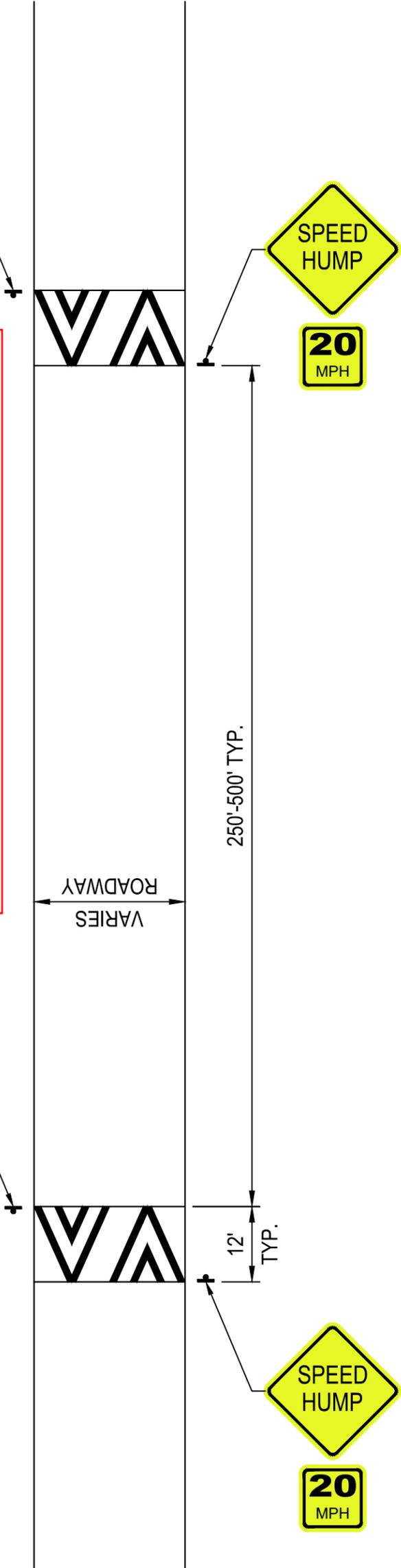
**TRAFFIC CALMING CONCEPT 1
SPEED TABLES**

REVISIONS	DATE	APPROVED	CHECKED	DRAWN	DESIGN
				B.K.	B.K.

SIMMONS & WHITE
INCORPORATED | PLANNING | CONSULTING | ENGINEERING
2581 Melrose Drive • Suite 300 West Palm Beach, Florida 33417 • (561) 478-7848
Florida Professional Engineer License No. 3452



THESE SPEED HUMPS ARE NOT RECOMMENDED FOR TRAILERS. EQUESTRIAN TRAILERS WILL HAVE TO ALMOST STOP TO PASS OVER WITHOUT DISRUPTING THE LIVESTOCK



SECTION

PROS:

- 1.) EFFECTIVE IN REDUCING VEHICLE SPEED.
- 2.) LOW COST.
- 3.) SPEED HUMPS REQUIRE LOWER SPEEDS THAN SPEED TABLES.

CONS:

- 1.) POTENTIALLY SLOW DOWN EMERGENCY RESCUE VEHICLES.
- 2.) CAN BE NOISY.
- 3.) NOT AESTHETICALLY PLEASING.
- 4.) DISCOMFORT FOR DRIVERS.

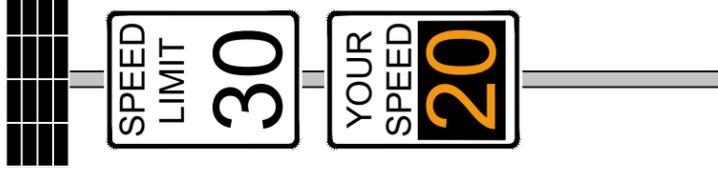
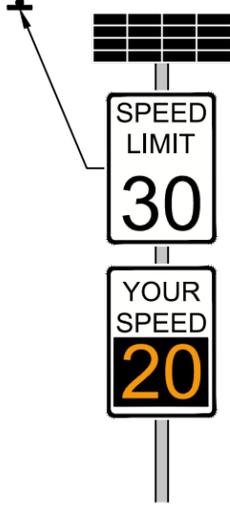
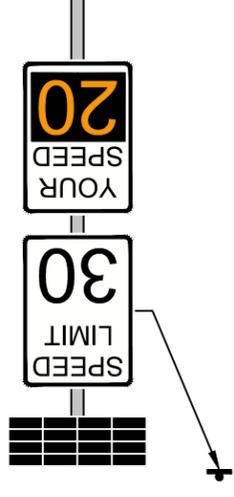
NOTES:

- 1.) SHOULD NOT BE INSTALLED WITHIN 400 FEET OF A STOP SIGN OR TRAFFIC SIGNAL.
- 2.) ROADWAY SHOULD BE A MINIMUM OF 800 FEET IN LENGTH.
- 3.) AVERAGE DAILY VOLUME ON ROADWAY SHOULD BE LESS THAN 3,000 TRIPS.
- 4.) POSTED SPEED LIMIT SHOULD BE 30 MPH OR LESS.
- 5.) COST: \$2,000-\$4,000 PER SPEED HUMP.

TRAFFIC CALMING CONCEPT 2
SPEED HUMPS

<p>SIMMONS & WHITE TRAFFIC ENGINEERS PLANNING CONSULTING SURVEYING 2581 Melrose Drive • Suite 3 • West Palm Beach, Florida 33417 • (561) 478-7848 Authorization No. 3452</p>	DESIGN B.K.	DRAWN D.B.	CHECKED	APPROVED	DATE
	REVISIONS				
<p align="center">B ROAD CONCEPTUAL</p> <p align="center">TOWN OF LOXAHATCHEE GROVES, FLORIDA</p> <p align="center">TRAFFIC CALMING CONCEPTS</p>					
JOB NO. 20-022	DRAWING NO. 20022(TC)02	SHEET 2	OF 5		

TOWN HAS ISSUES WITH SIGNS BEING HIT. THE COST OF THESE SHOULD BE CONSIDERED.



PROS:

- 1.) EFFECTIVE IN REDUCING SPEEDS (REQUIRES ENFORCEMENT).
- 2.) NO IMPACT TO EMERGENCY RESCUE TIMES.
- 3.) SOME CAN TRACK TRAFFIC DATA.

CONS:

- 1.) GREATER COST THAN INDIVIDUAL SPEED TABLES.
- 2.) MINIMAL SPEED REDUCTION IF NO ENFORCEMENT.

NOTES:

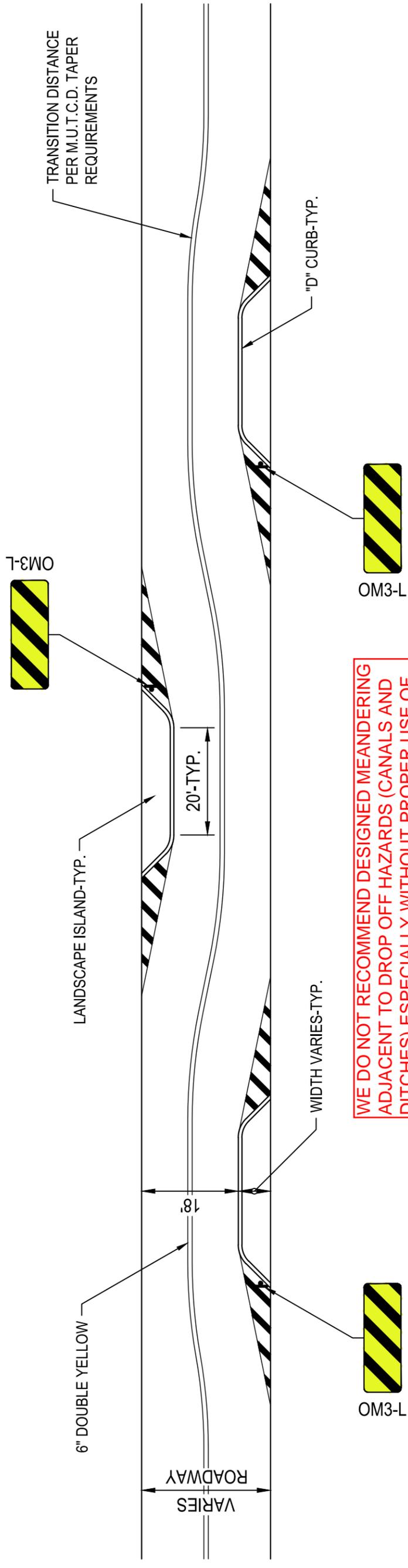
- 1.) SOLAR RADAR SPEED SIGNS CAN BE PLACED AT ONE LOCATION IN EACH DIRECTION OF ROADWAY.
- 2.) COST: \$7,500-\$10,000 PER RADAR SIGN.

TRAFFIC CALMING CONCEPT 3
SOLAR RADAR SPEED SIGNS

REVISIONS

SIMMONS & WHITE
 ENGINEERS | PLANNERS | ARCHITECTS | INTERIORS
 2581 Metcalfville Blvd • Suite 300 • West Palm Beach, Florida 33417 • (561) 478-7448
 AUTHORIZATION NO. 3452

DESIGN B.K.	DRAWN D.B.	CHECKED	APPROVED	DATE
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WE DO NOT RECOMMEND DESIGNED MEANDERING ADJACENT TO DROP OFF HAZARDS (CANALS AND DITCHES) ESPECIALLY WITHOUT PROPER USE OF GUARDRAIL.

PROS:

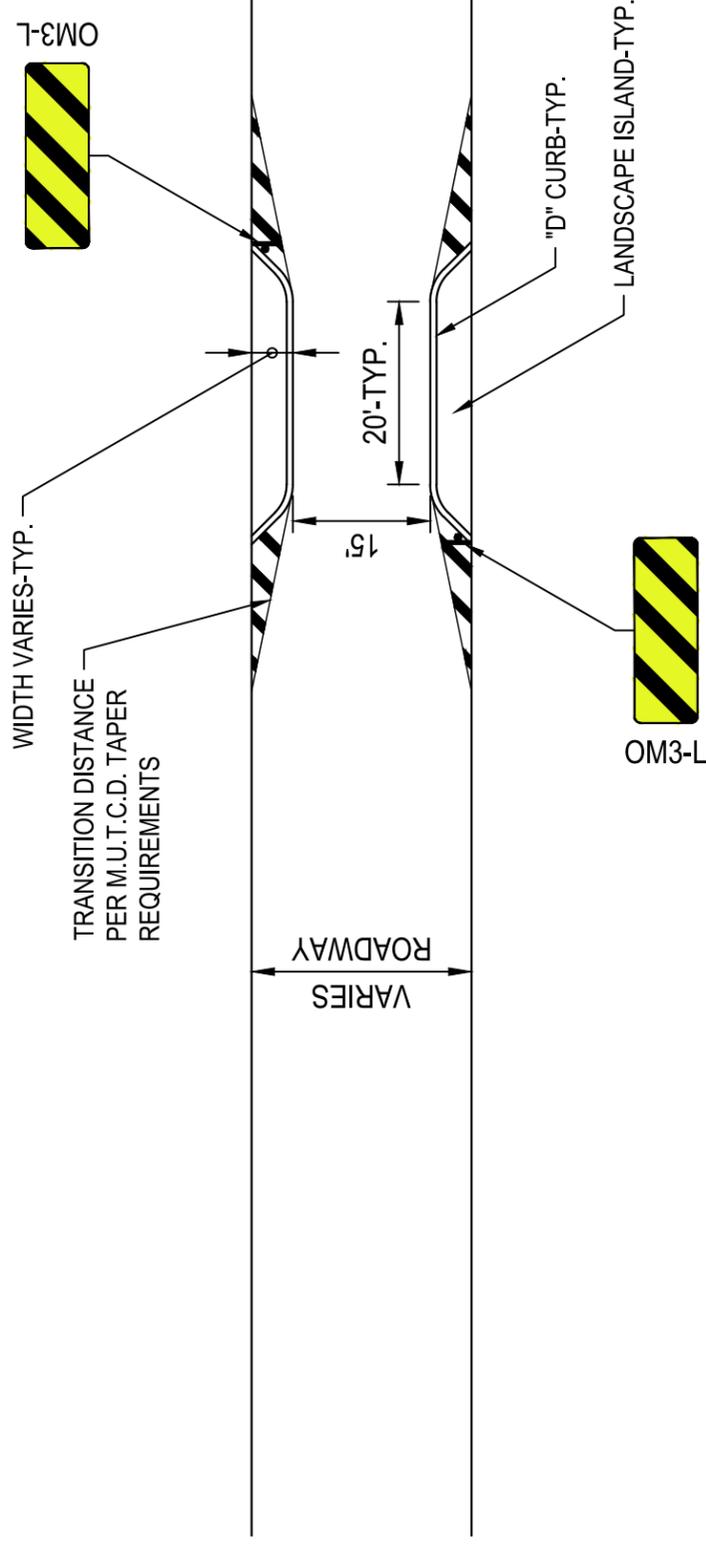
- 1.) EFFECTIVE IN REDUCING VEHICLE SPEEDS.
 - 2.) OPPORTUNITY FOR LANDSCAPING.
 - 3.) MINIMAL IMPACT ON EMERGENCY VEHICLE.
- CONS:**
- 1.) REQUIRES WIDER STREETS AS STARTING POINTS (22 FEET OR GREATER, PREFERABLY 24' OR WIDER).
 - 2.) LIGHTING POTENTIALLY NEEDED.
 - 3.) REQUIRES CENTERLINE STRIPING AND PAVED OR O.G.E.M. SURFACE.

NOTES:

- 1.) TYPICALLY PLACED IN A SERIES OF 3 OR 4.
- 2.) POSTED SPEED LIMIT OF 30 MPH OR LESS.
- 3.) REQUIRES SIGNAGE AND MARKING TO ALERT MOTORISTS OF ROADWAY CHANGES.
- 4.) SHOULD NOT BE LOCATED WITHIN 400 FEET OF STOP SIGN OR TRAFFIC SIGNAL.
- 5.) COST: \$5,000-\$20,000 DEPENDING ON LANDSCAPING DESIGN.

TRAFFIC CALMING CONCEPT 4
CHICANES

	 <p style="font-size: 8px;">2581 Metcalf Drive • Suite 3 • West Palm Beach, Florida 33417 • (561) 478-7448 Professional Seal: 3452</p>	TOWN OF LOXAHATCHEE GROVES, FLORIDA TRAFFIC CALMING CONCEPTS	B ROAD CONCEPTUAL	
DESIGN B.K.	DRAWN D.B.	CHECKED	APPROVED	DATE
REVISIONS	JOB NO. 20-022	DRAWING NO. 20022(TC)04	SHEET 4	OF 5



CONSIDER SIGNAGE FOR WHO HAS RIGHT A WAY WHEN TWO VEHICLES APPROACH FROM DIFFERENT DIRECTIONS. WE DO NOT RECOMEND USE OF THIS WITHOUT PROPER INSTALLATION OF GUARDRAIL

PROS:

- 1.) CAN BE DONE ON ROADWAYS WITH LIMITED ROADWAY WIDTH.
- 2.) OPPORTUNITY FOR LANDSCAPING.
- 3.) MINIMAL IMPACT ON EMERGENCY VEHICLE.

CONS:

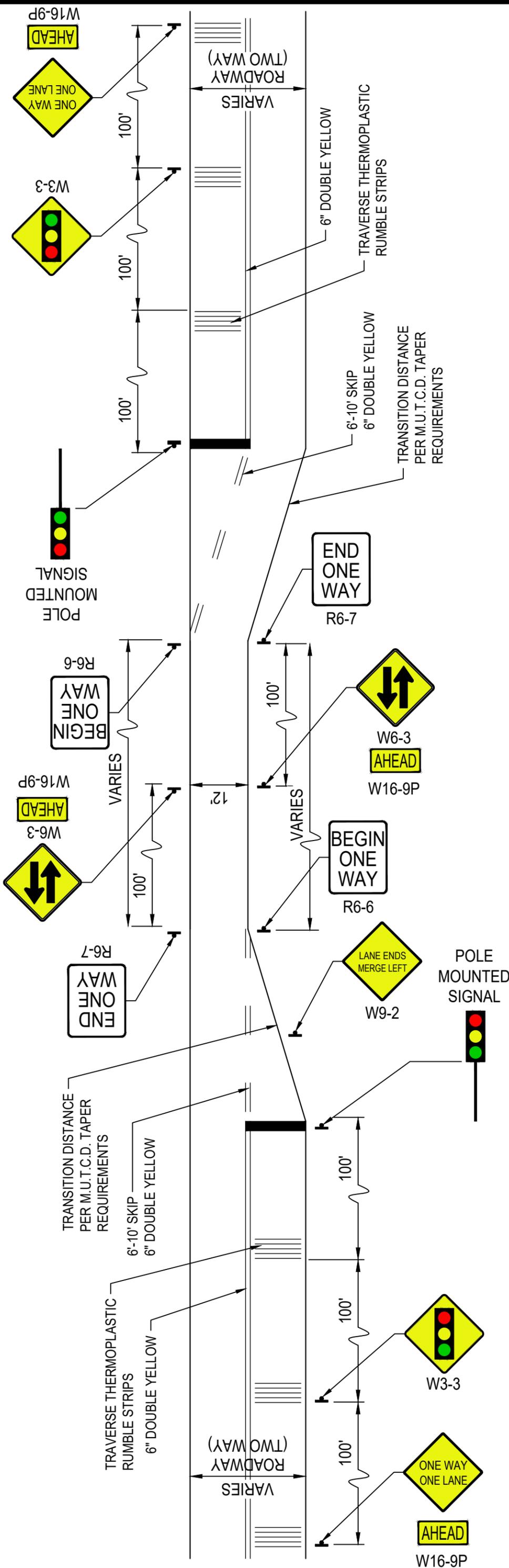
- 1.) MOST EFFECTIVE ON PAVED OR O.G.E.M. SURFACE.
- 2.) ONLY EFFECTIVE AT GIVEN POINT OR IN A SERIES.

NOTES:

- 1.) POSTED SPEED LIMIT OF 30 MPH OR LESS.
- 3.) REQUIRES SIGNAGE AND MARKING TO ALERT MOTORISTS OF ROADWAY CHANGES.
- 4.) SHOULD NOT BE LOCATED WITHIN 400 FEET OF STOP SIGN OR TRAFFIC SIGNAL.
- 5.) COST: \$2,000-\$5,000 DEPENDING ON LANDSCAPING DESIGN.

TRAFFIC CALMING CONCEPT 5
ROAD CHOKER

	 <p style="font-size: small;">2581 Metcalf Drive • Suite 3 • West Palm Beach, Florida 33417 • (561) 478-7448 Professional Engineering Firm Professional Seal No. 3452</p>	<p>B ROAD CONCEPTUAL</p> <p>TOWN OF LOXAHATCHEE GROVES, FLORIDA</p> <p>TRAFFIC CALMING CONCEPTS</p>	<p>JOB NO. 20-022</p> <p>DRAWING NO. 20022(TC)05</p> <p>SHEET 5</p> <p>OF 5</p>
REVISIONS	DESIGN B.K.	DRAWN D.B.	CHECKED APPROVED DATE



PROS:

1.) CAN BE DONE ON ROADWAY SECTIONS WITH LIMITED RIGHT-OF-WAY.

CONS:

- 1.) MOST EFFECTIVE ON PAVED OR O.G.E.M. SURFACE.
- 2.) MAY CAUSE DELAY AND CONGESTION DURING BUSIER TIMES OF THE DAY.
- 3.) NO OUTLET IF TWO VEHICLES ENTER THE REDUCED ROAD WIDTH SECTION AT SAME TIME.

NOTES:

- 1.) THE CONCEPT DOES NOT MEET REQUIREMENTS FROM THE F.D.O.T. GREENBOOK. SIMMONS & WHITE, INC. DOES NOT TAKE RESPONSIBILITY FOR ROADWAYS NOT CONFORMING TO F.D.O.T. GREENBOOK STANDARDS.
- 2.) INTENDED ONLY FOR ROADWAYS IN WHICH RIGHT-OF-WAY FOR 2-LANE ROADWAYS IS UNABLE TO BE OBTAINED.
- 3.) POLE MOUNTED SIGNAL ASSIGNS VEHICLE RIGHT-OF-WAY.
- 4.) SIGNAGE, MARKING, REFLECTIVE PAVEMENT MARKINGS, AND ADEQUATE LIGHTING WILL ENHANCE SAFETY.
- 5.) THIS TRAFFIC CALMING CONCEPT IS CONCEPTUAL AND NOT INTENDED AS A FINAL DESIGN.
- 6.) COST: \$40,000 - \$50,000.

TRAFFIC CALMING CONCEPT 6B
ONE LANE / ONE WAY
POLE MOUNTED SIGNAL

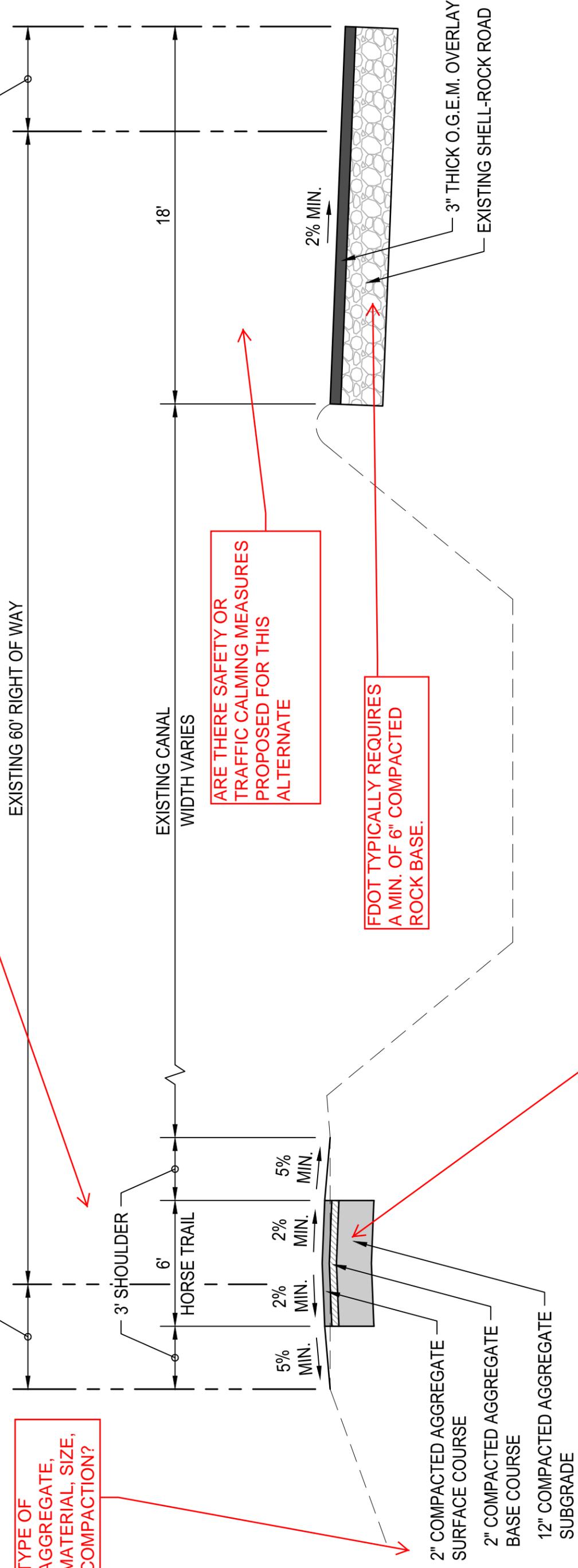
 <p style="font-size: 8px;">2581 Metcalfville Blvd • Suite 3 • West Palm Beach, Florida 33417 • (561) 478-7848 SIMMONS & WHITE TRANSPORTATION PLANNING CONSULTING DESIGN</p>	<p>B ROAD CONCEPTUAL</p> <p>TOWN OF LOXAHATCHEE GROVES, FLORIDA</p> <p>TRAFFIC CALMING CONCEPTS</p>	<p>JOB NO. 20-022</p> <p>DRAWING NO. 20022(TC)06</p> <p>DATE</p>	<p>DESIGN B.K.</p> <p>DRAWN D.B.</p> <p>CHECKED</p> <p>APPROVED</p>
REVISIONS	SHEET OF	6B	6

TOWN / WCD OBJECTIVE IS FOR 20' EASEMENTS FOR CANAL MAINTENANCE PURPOSES

EASEMENT OR ADDITIONAL RIGHT OF WAY NEEDED. VARIES 0'-7'

TYPE OF AGGREGATE, MATERIAL, SIZE, COMPACTION?

EASEMENT OR ADDITIONAL RIGHT OF WAY NEEDED. VARIES 0'-7'



ARE THERE SAFETY OR TRAFFIC CALMING MEASURES PROPOSED FOR THIS ALTERNATE

FDOT TYPICALLY REQUIRES A MIN. OF 6" COMPACTED ROCK BASE.

B ROAD CONCEPT #1A

18' O.G.E.M. ROADWAY

THE ALTERNATIVE PROVIDED IS A CONCEPT AND NOT INTENDED AS FINAL DESIGN

TRAIL SHOULD BE GRADED AWAY FROM THE CANAL TO AVOID POTENTIAL EROSION PER TOWN/ WCD STANDARD DETAILS

NOTE: 18' ROADWAYS SHOULD ONLY BE USED WHEN AVERAGE DAILY TRAFFIC (ADT) IS LESS THAN 400 VEHICLES. THIS CONCEPT DOES NOT MEET CLEAR ZONE REQUIREMENTS FROM THE F.D.O.T. GREENBOOK. SIMMONS & WHITE DOES NOT TAKE ANY RESPONSIBILITY FOR ROADWAYS NOT CONFORMING TO F.D.O.T. GREENBOOK STANDARDS.

ALL PROPOSED IMPROVEMENTS SHOULD CONSIDER DRAINAGE. WITHOUT DRAINAGE THIS SECTION WILL LIKELY END UP LIKE THE OTHER O.G.E.M. ROADWAYS WITHIN THE TOWN. WHY IS O.G.E.M. PROPOSED, COST, PREFERENCE, ETC.?

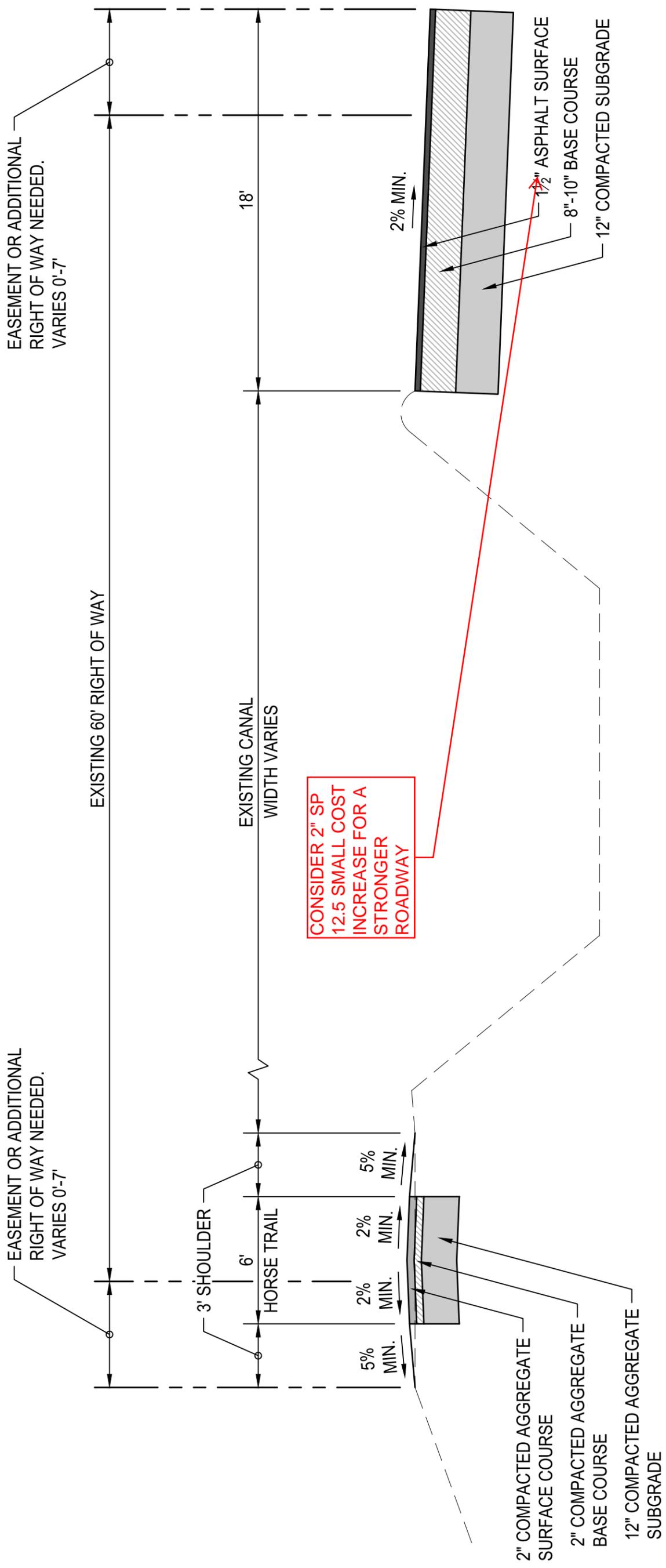
WHAT WERE THE TRAFFIC COUNTS COLLECT FOR B ROAD? THE 2008 VOLUME WAS FOUND TO BE 849 TRIPS PER DAY; ASSUMING THAT THERE WAS NOT A SIGNIFICANT REDUCTION ALL 18' ROADWAY SECTIONS WOULD NOT APPLY PER THIS NOTE.

SIMMONS & WHITE
 ENGINEERS & ARCHITECTS
 2581 Metrocentre Blvd • Suite 3 • West Palm Beach, Florida 33407 • (561) 476-7948
 Registration No. 2527

DESIGN B.K.	DRAWN D.B.	CHECKED	APPROVED	DATE	JOB NO. 20-022	DRAWING NO. 20022(TC)SC-1A	SHEET 1	OF 5
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TOWN OF LOXAPATCHEE GROVES, FLORIDA
 TYPICAL SECTION

SEE COMMENTS FOR CONCEPT #1A AS APPLICABLE FOR DRAINAGE, SAFETY/
TRAFFIC CALMING AND ROADWAY WIDTH



CONSIDER 2" SP
12.5 SMALL COST
INCREASE FOR A
STRONGER
ROADWAY

B ROAD CONCEPT #1B

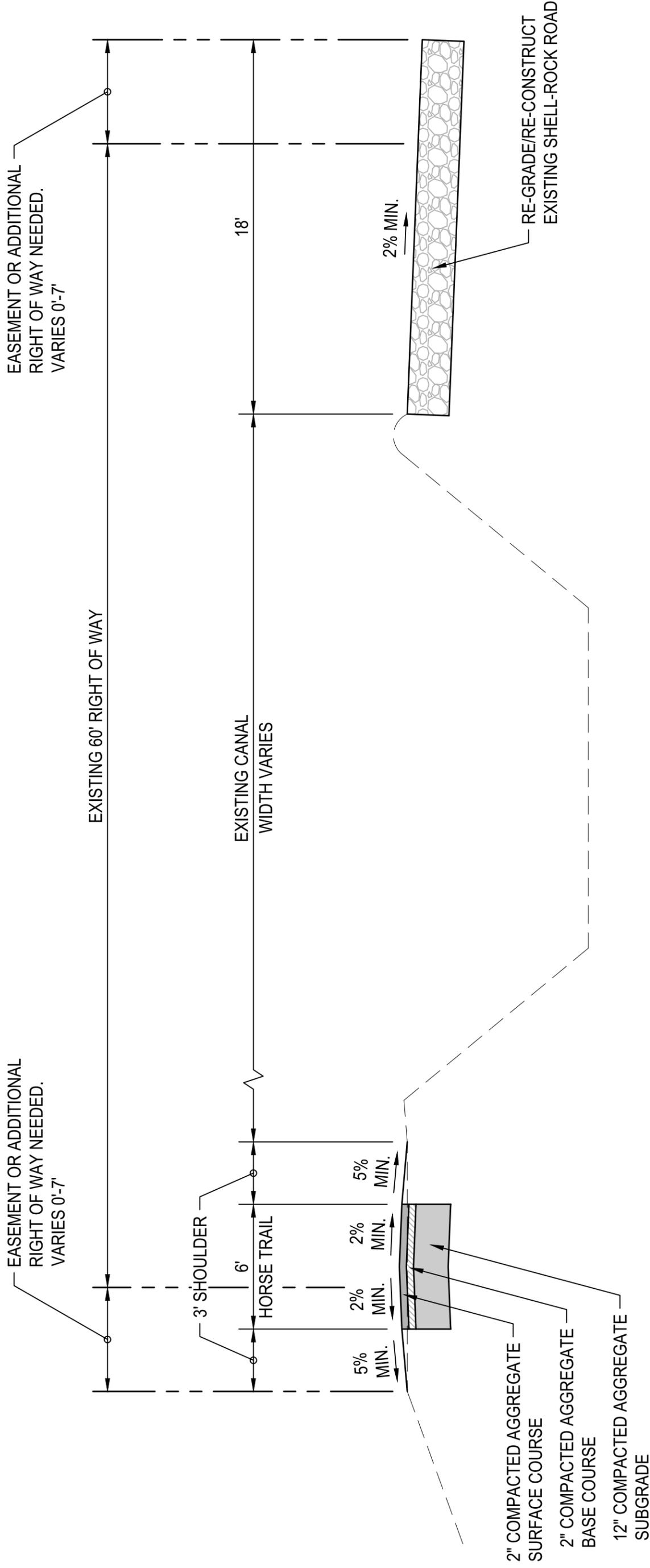
ASPHALT ROADWAY

THE ALTERNATIVE PROVIDED IS A CONCEPT
AND NOT INTENDED AS FINAL DESIGN

NOTE: 18' ROADWAYS SHOULD ONLY BE USED WHEN AVERAGE DAILY TRAFFIC (ADT) IS LESS THAN 400 VEHICLES. THIS CONCEPT DOES NOT MEET CLEAR ZONE REQUIREMENTS FROM THE F.D.O.T. GREENBOOK. SIMMONS & WHITE DOES NOT TAKE ANY RESPONSIBILITY FOR ROADWAYS NOT CONFORMING TO F.D.O.T. GREENBOOK STANDARDS.

<p>2581 Metrocentre Blvd • Suite 3 • West Palm Beach, Florida 33407 • (561) 478-7648</p>		<p>TOWN OF LOXAHATCHEE GROVES, FLORIDA</p>		
		<p>TYPICAL SECTION</p>		
DESIGN	DRAWN	CHECKED	APPROVED	DATE
B.K.	D.B.			
REVISIONS		DRAWING NO.	JOB NO.	SHEET
		20022(TC)SC-1B	20-022	2 OF 5

SEE COOMENTS FOR CONCEPT #1A AS APPLICABLE FOR DRAIANGE



B ROAD CONCEPT #1C

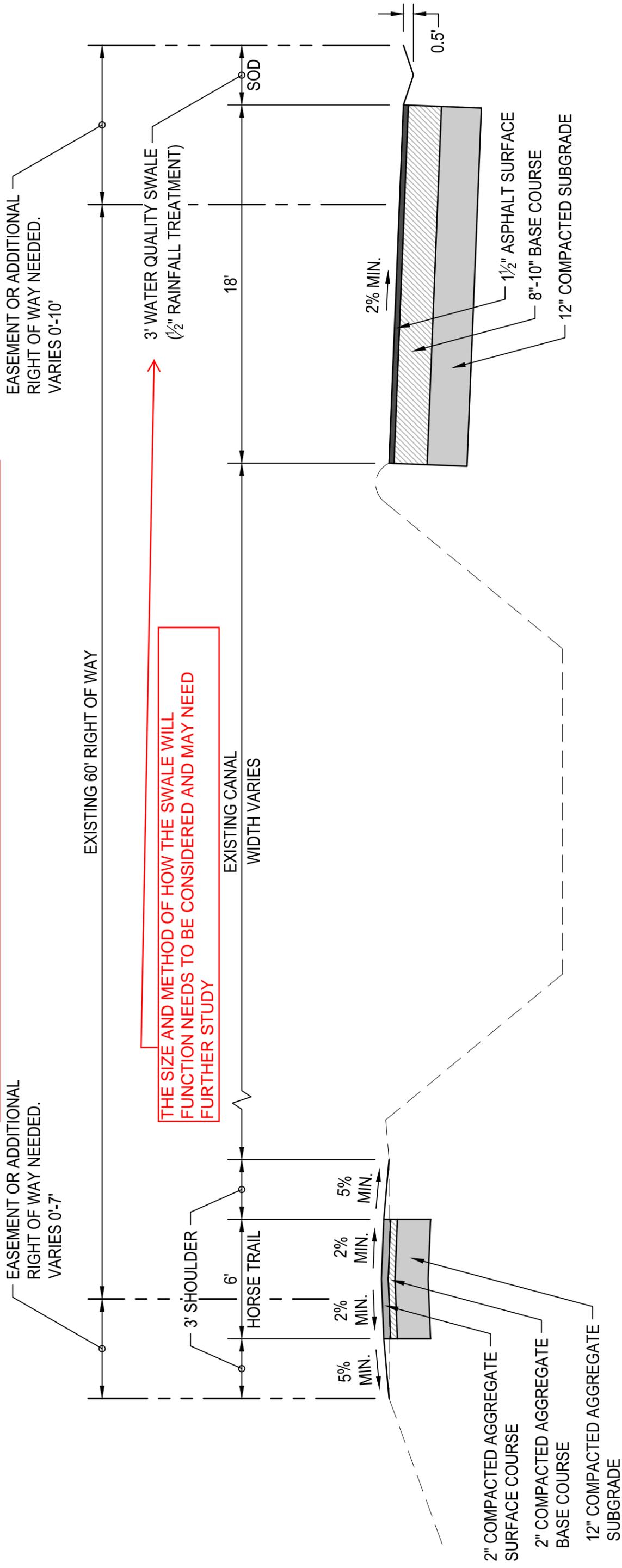
SHELL-ROCK ROADWAY

THE ALTERNATIVE PROVIDED IS A CONCEPT
AND NOT INTENDED AS FINAL DESIGN

NOTE: 18' ROADWAYS SHOULD ONLY BE USED WHEN AVERAGE DAILY TRAFFIC (ADT) IS LESS THAN 400 VEHICLES. THIS CONCEPT DOES NOT MEET CLEAR ZONE REQUIREMENTS FROM THE F.D.O.T. GREENBOOK. SIMMONS & WHITE DOES NOT TAKE ANY RESPONSIBILITY FOR ROADWAYS NOT CONFORMING TO F.D.O.T. GREENBOOK STANDARDS.

 2581 Metrocentre Blvd • Suite 3 • West Palm Beach, Florida 33407 • (561) 478-7648 ENGINEERING 1 ARCHITECTURE 1 INTERIORS 1 LANDSCAPE 1		DESIGN	DRAWN	CHECKED	APPROVED	DATE			
		B.K.	D.B.						
TOWN OF LOXAHATCHEE GROVES, FLORIDA B ROAD CONCEPTUAL TYPICAL SECTION						JOB NO. 20-022	DRAWING NO. 20022(TC)SC-3A	SHEET 3	OF 5

SEE COMMENTS FOR CONCEPT #1A AND #1B AS APPLICABLE FOR SAFETY/ TRAFFIC CALMING, PAVEMENT THICKNESS AND ROADWAY WIDTH. SINCE AN EASEMENT IS REQUIRED, WE SHOULD CONSIDER ACQUIRING THE ADDED WIDTH FOR A 20' ROAD IN ADDITION TO DRAINAGE SWALE.



THE SIZE AND METHOD OF HOW THE SWALE WILL FUNCTION NEEDS TO BE CONSIDERED AND MAY NEED FURTHER STUDY

B BROAD CONCEPT #1D

18' ASPHALT ROADWAY WITH 1/2" WATER QUALITY SWALE

THE ALTERNATIVE PROVIDED IS A CONCEPT AND NOT INTENDED AS FINAL DESIGN

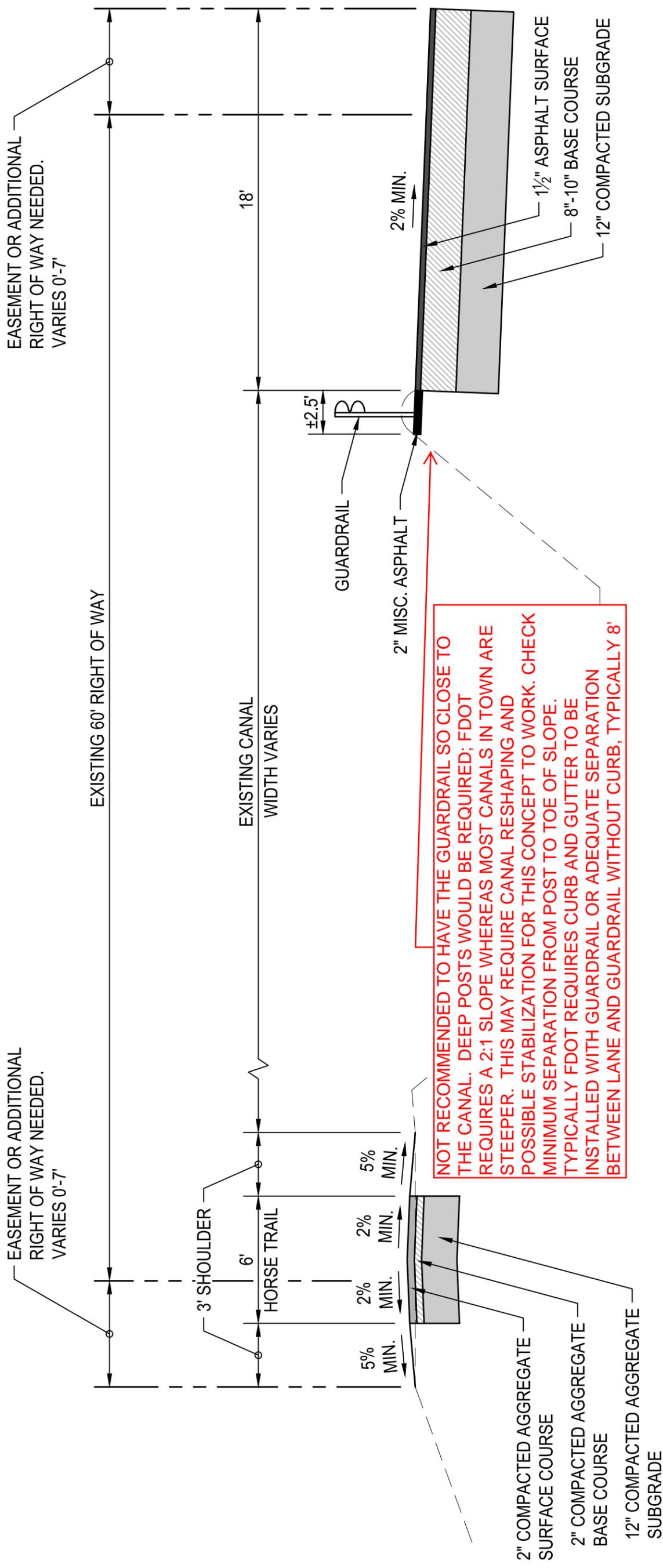
NOTE: 18' ROADWAYS SHOULD ONLY BE USED WHEN AVERAGE DAILY TRAFFIC (ADT) IS LESS THAN 400 VEHICLES. THIS CONCEPT DOES NOT MEET CLEAR ZONE REQUIREMENTS FROM THE F.D.O.T. GREENBOOK. SIMMONS & WHITE DOES NOT TAKE ANY RESPONSIBILITY FOR ROADWAYS NOT CONFORMING TO F.D.O.T. GREENBOOK STANDARDS. SWALE CAN BE USED WITH ANY ROADWAY SURFACE ALTERNATIVE.



B ROAD CONCEPTUAL
TOWN OF LOXAHATCHEE GROVES, FLORIDA
TYPICAL SECTION

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REVISIONS		JOB NO. 20-022	DRAWING NO. 20022(TC)SC-4A	SHEET 4
				OF 5

SEE COMMENTS FOR CONCEPT #1A AND #1B AS APPLICABLE FOR DRAINAGE, SAFETY/TRAFFIC CALMING, PAVEMENT THICKNESS AND ROADWAY WIDTH.



EASEMENT OR ADDITIONAL RIGHT OF WAY NEEDED. VARIES 0'-7'

EASEMENT OR ADDITIONAL RIGHT OF WAY NEEDED. VARIES 0'-7'

B BROAD CONCEPT #1E

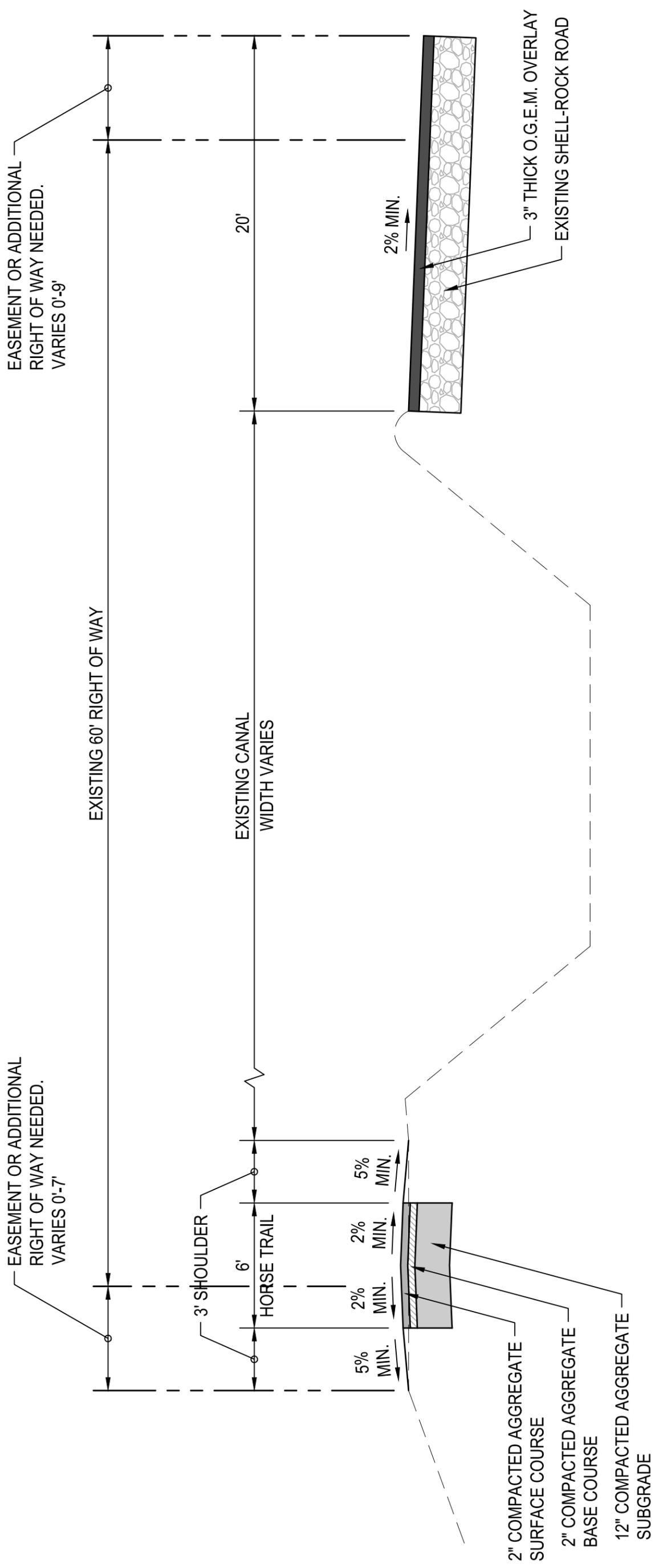
18' ASPHALT ROADWAY WITH GUARDRAIL

NOTE: 18' ROADWAYS SHOULD ONLY BE USED WHEN AVERAGE DAILY TRAFFIC (ADT) IS LESS THAN 400 VEHICLES. GUARDRAILS CAN AND SHOULD BE USED FOR ALL ALTERNATIVES.

THE ALTERNATIVE PROVIDED IS A CONCEPT AND NOT INTENDED AS FINAL DESIGN

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		B.K.	D.B.		
B ROAD CONCEPTUAL TOWN OF LOXAHATCHEE GROVES, FLORIDA TYPICAL SECTION		JOB NO.	DRAWING NO.	SHEET	OF
		20-022	20022(TC)SC-5A	5	5

SEE COMMENTS FOR CONCEPT #1A AS APPLICABLE FOR DRAINAGE AND SAFETY/TRAFFIC CALMING.



B ROAD CONCEPT #2A

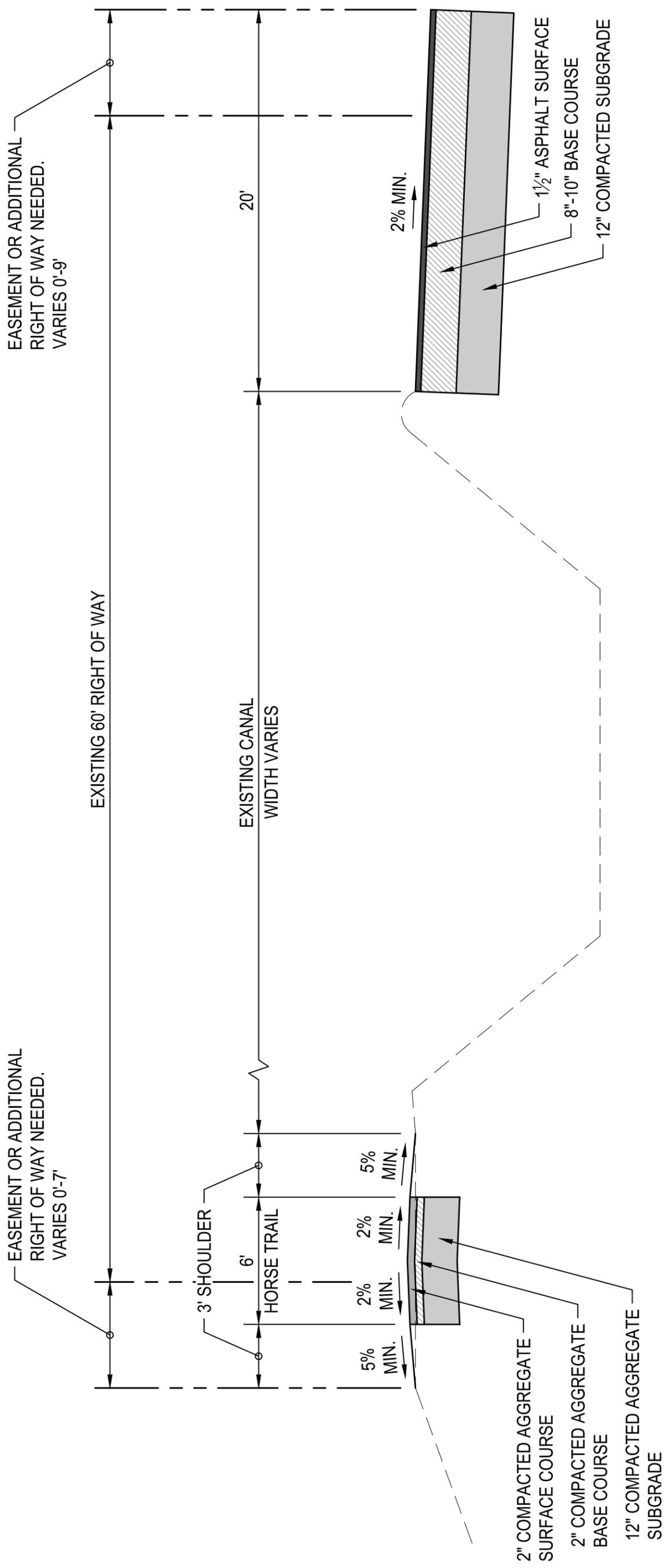
20' O.G.E.M. ROADWAY

THE ALTERNATIVE PROVIDED IS A CONCEPT AND NOT INTENDED AS FINAL DESIGN

NOTE: THIS CONCEPT DOES NOT MEET CLEAR ZONE REQUIREMENTS FROM THE F.D.O.T. GREENBOOK. SIMMONS & WHITE DOES NOT TAKE ANY RESPONSIBILITY FOR ROADWAYS NOT CONFORMING TO F.D.O.T. GREENBOOK STANDARDS.

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		B.K.	D.B.		
B ROAD CONCEPTUAL TOWN OF LOXAHATCHEE GROVES, FLORIDA TYPICAL SECTION		JOB NO.	DRAWING NO.	SHEET	
		20-022	20022(TC)SC-2A	1	5

SIMILAR COMMENTS AS APPLICABLE



B ROAD CONCEPT #2B

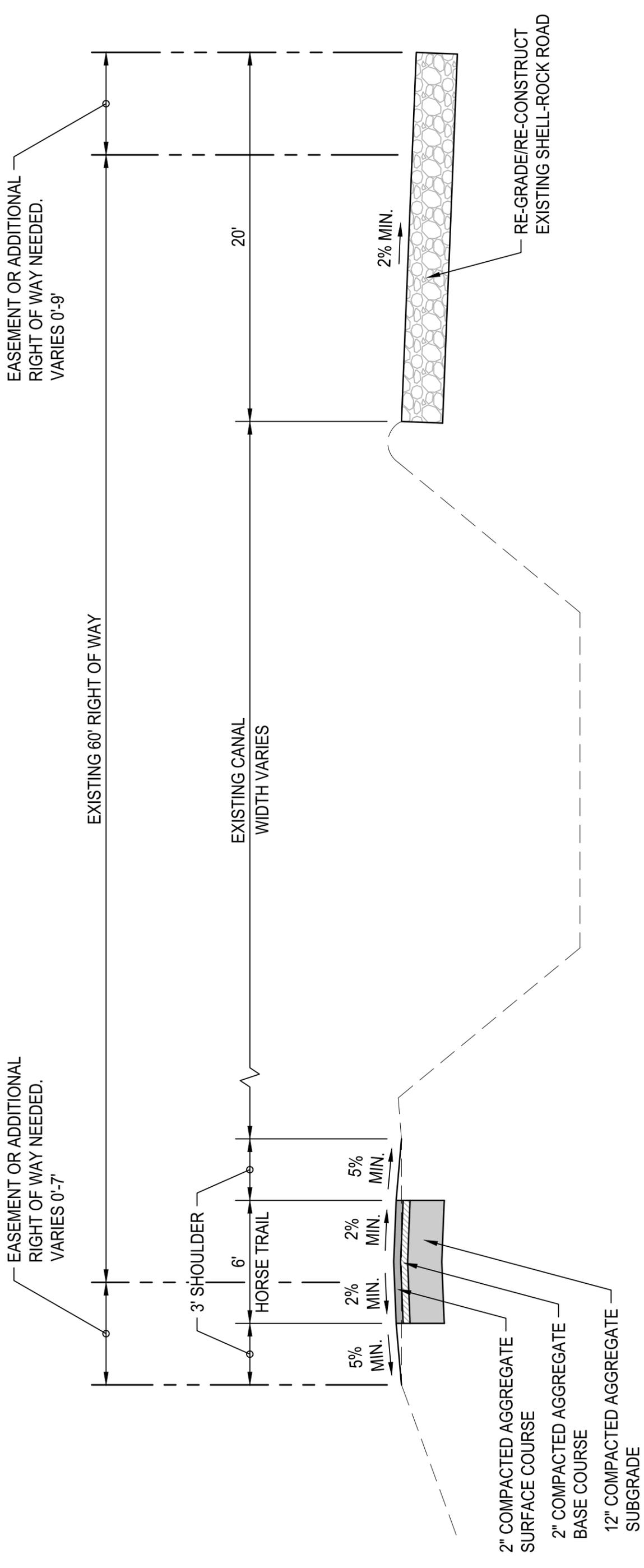
20' ASPHALT ROADWAY

THE ALTERNATIVE PROVIDED IS A CONCEPT
AND NOT INTENDED AS FINAL DESIGN

NOTE: THIS CONCEPT DOES NOT MEET CLEAR ZONE REQUIREMENTS FROM THE F.D.O.T. GREENBOOK. SIMMONS & WHITE DOES NOT TAKE ANY RESPONSIBILITY FOR ROADWAYS NOT CONFORMING TO F.D.O.T. GREENBOOK STANDARDS.

<small>2511 Mercantile Blvd • Suite 3 • West Palm Beach, Florida 33407 • (561) 478-7648 ENGINEERING ARCHITECTURE INTERIORS LANDSCAPE ARCHITECTURE</small>		B ROAD CONCEPTUAL TOWN OF LOXAHATCHEE GROVES, FLORIDA TYPICAL SECTION		
DESIGN	DRAWN	CHECKED	APPROVED	DATE
B.K.	D.B.			
REVISIONS		JOB NO.	DRAWING NO.	SHEET
		20-022	20022(TC)SC-2B	2 OF 5

SIMILAR COMMENTS AS APPLICABLE



B ROAD CONCEPT #2C

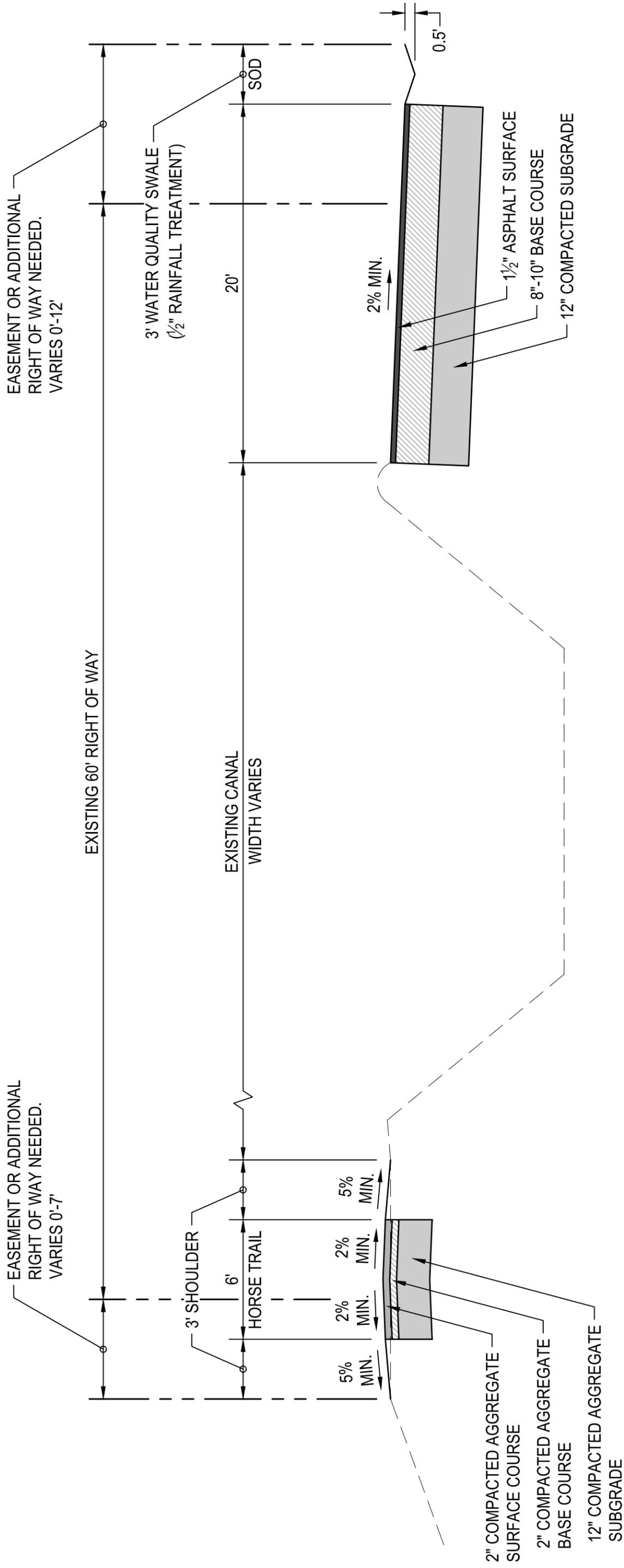
20' SHELL-ROCK ROADWAY

NOTE: THIS CONCEPT DOES NOT MEET CLEAR ZONE REQUIREMENTS FROM THE F.D.O.T. GREENBOOK. SIMMONS & WHITE DOES NOT TAKE ANY RESPONSIBILITY FOR ROADWAYS NOT CONFORMING TO F.D.O.T. GREENBOOK STANDARDS.

THE ALTERNATIVE PROVIDED IS A CONCEPT AND NOT INTENDED AS FINAL DESIGN

		B ROAD CONCEPTUAL TOWN OF LOXAHATCHEE GROVES, FLORIDA TYPICAL SECTION	
DESIGN B.K.	DRAWN D.B.	CHECKED	APPROVED
2581 Metrocenter Blvd • Suite 3 • West Palm Beach, Florida 33407 • (561) 478-7848		DATE	SHEET
REVISIONS		JOB NO. 20-022	DRAWING NO. 20022(TC)SC-2C
		3	5

SIMILAR COMMENTS AS APPLICABLE



B BROAD CONCEPT #2D

20' ASPHALT ROADWAY WITH 1/2" WATER QUALITY SWALE

THE ALTERNATIVE PROVIDED IS A CONCEPT AND NOT INTENDED AS FINAL DESIGN

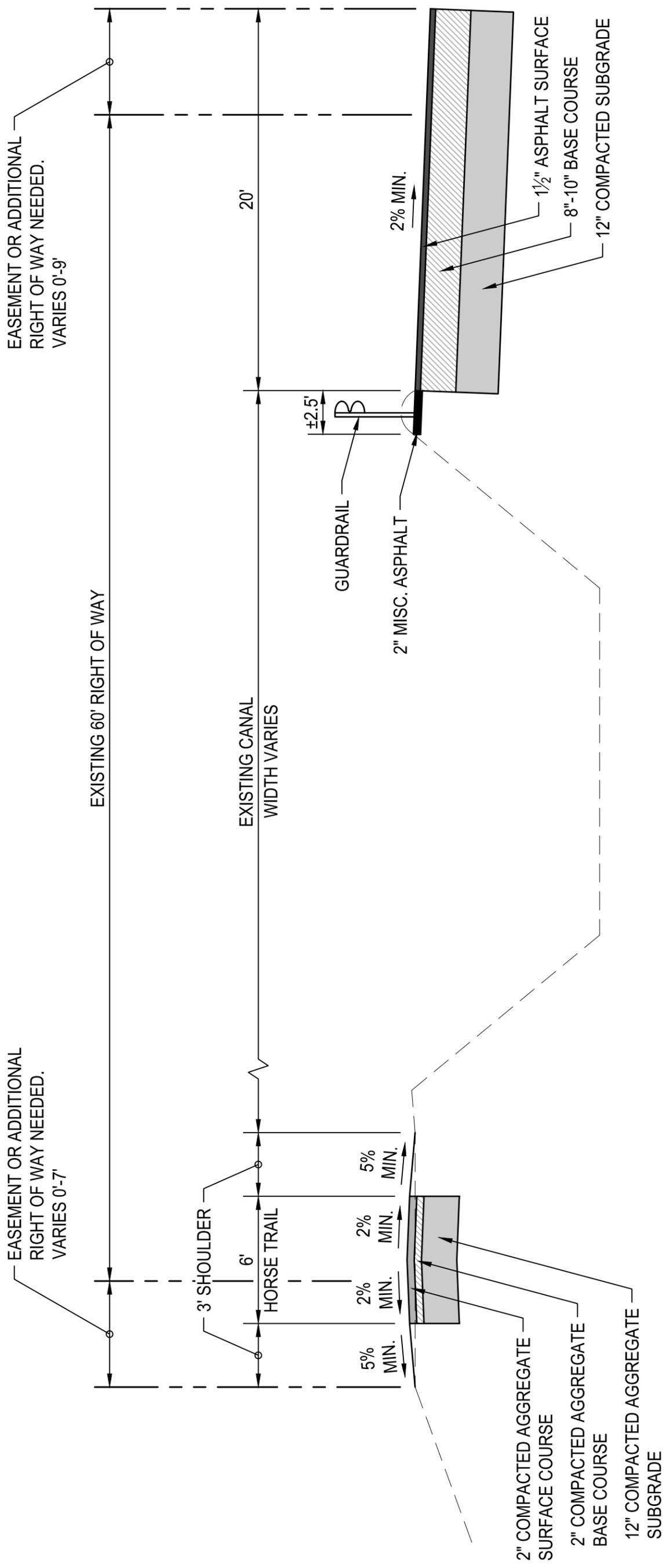
NOTE: THIS CONCEPT DOES NOT MEET CLEAR ZONE REQUIREMENTS FROM THE F.D.O.T. GREENBOOK. SIMMONS & WHITE DOES NOT TAKE ANY RESPONSIBILITY FOR ROADWAYS NOT CONFORMING TO F.D.O.T. GREENBOOK STANDARDS. SWALE CAN BE USED WITH ANY ROADWAY SURFACE ALTERNATIVE.



DESIGN B.K.	DRAWN D.E.	CHECKED	APPROVED	DATE
REVISIONS				

B ROAD CONCEPTUAL				
TOWN OF LOXAHATCHEE GROVES, FLORIDA				
TYPICAL SECTION				
JOB NO. 20-022	DRAWING NO. 20022(TC)SC-2D	SHEET 4	OF 5	

SIMILAR COMMENTS AS APPLICABLE



B BROAD CONCEPT #2E

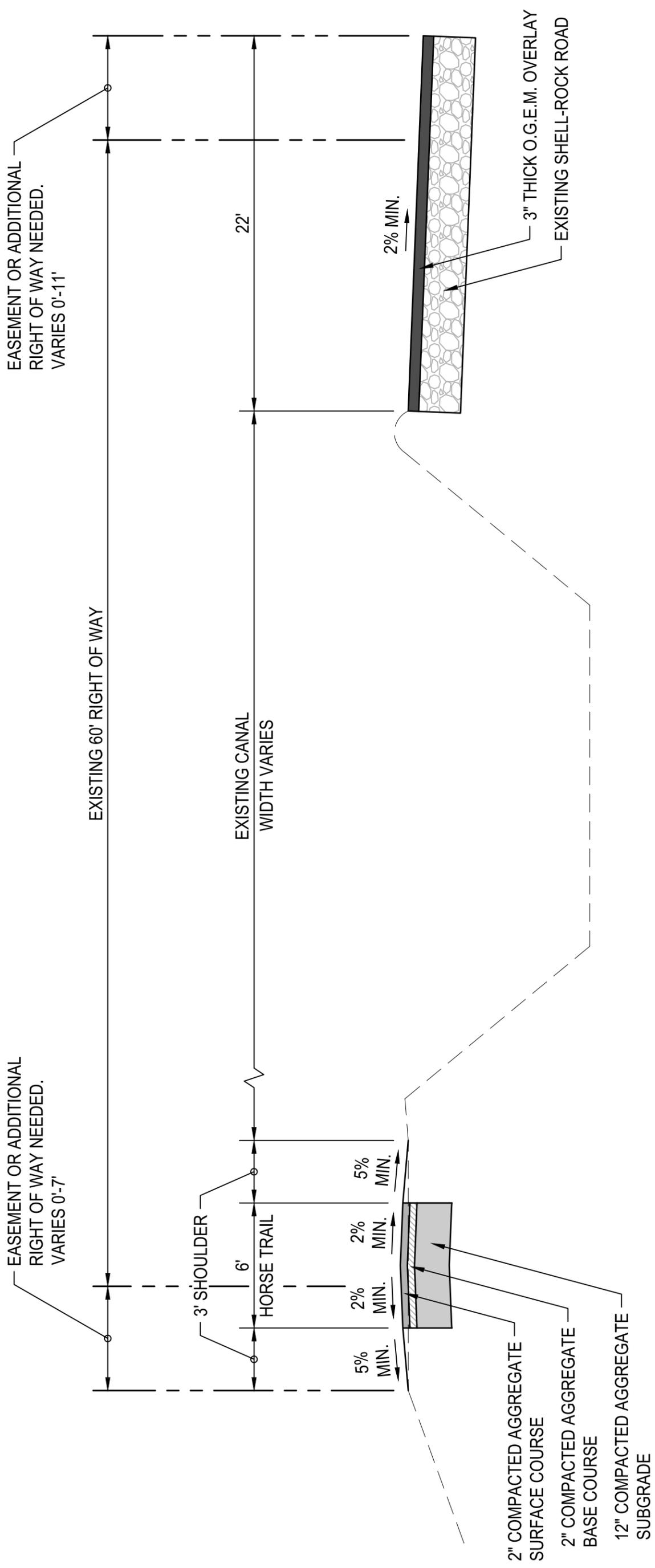
20' ASPHALT ROADWAY WITH GUARDRAIL

NOTE: GUARDRAILS CAN AND SHOULD BE USED FOR ALL ALTERNATIVES.

THE ALTERNATIVE PROVIDED IS A CONCEPT AND NOT INTENDED AS FINAL DESIGN

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		CHECKED		DATE	
DESIGN B.K.		DRAWN D.B.		APPROVED	
REVISIONS		TOWN OF LOXAHATCHEE GROVES, FLORIDA B ROAD CONCEPTUAL TYPICAL SECTION			

SIMILAR COMMENTS AS APPLICABLE



B ROAD CONCEPT #3A

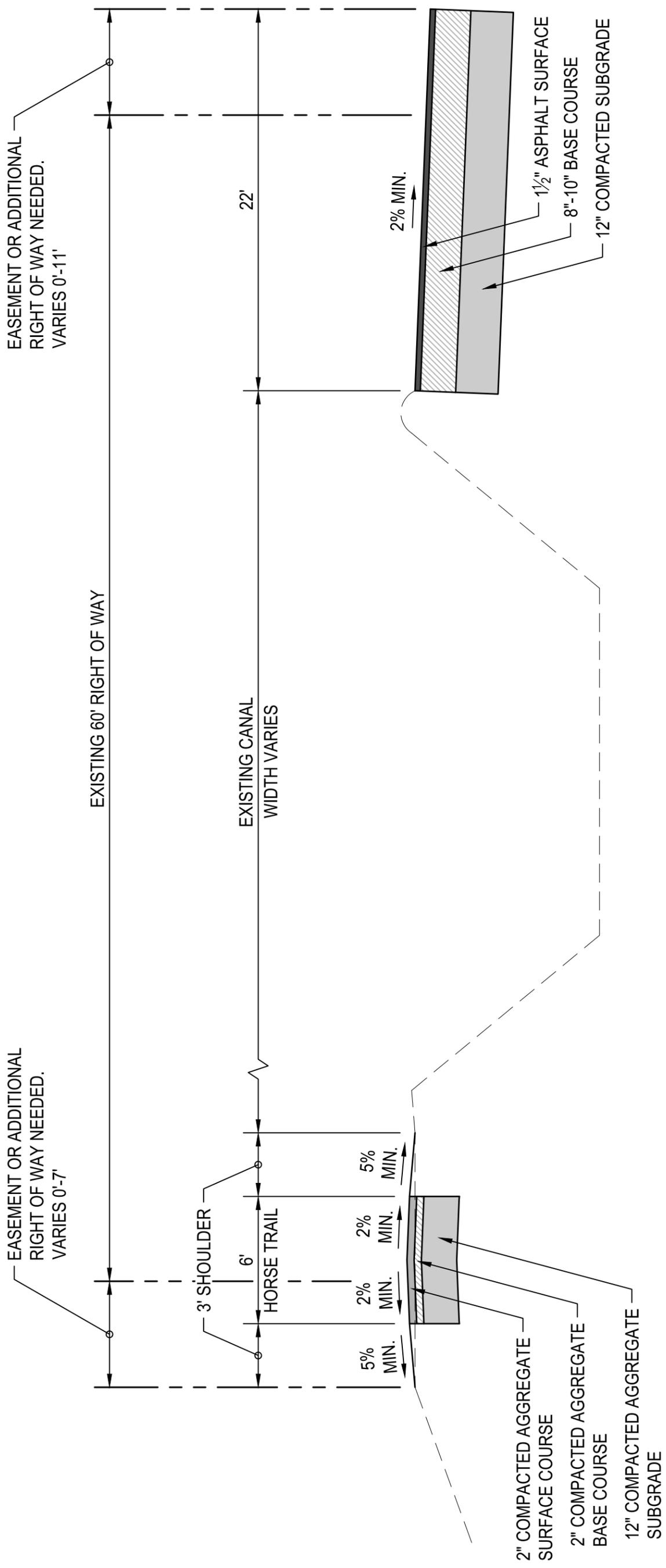
22' O.G.E.M. ROADWAY

NOTE: THIS CONCEPT DOES NOT MEET CLEAR ZONE REQUIREMENTS FROM THE F.D.O.T. GREENBOOK. SIMMONS & WHITE DOES NOT TAKE ANY RESPONSIBILITY FOR ROADWAYS NOT CONFORMING TO F.D.O.T. GREENBOOK STANDARDS.

THE ALTERNATIVE PROVIDED IS A CONCEPT AND NOT INTENDED AS FINAL DESIGN

SIMMONS & WHITE <small>ENGINEERS & ARCHITECTS</small>		APPROVED	DATE
DESIGN B.K.	DRAWN D.B.	CHECKED	DATE
JOB NO. 20-022		DRAWING NO. 20022(TC)SC-3A	SHEET 1 OF 5
TOWN OF LOXAHATCHEE GROVES, FLORIDA		TYPICAL SECTION	
B ROAD CONCEPTUAL			

SIMILAR COMMENTS AS APPLICABLE



B ROAD CONCEPT #3B

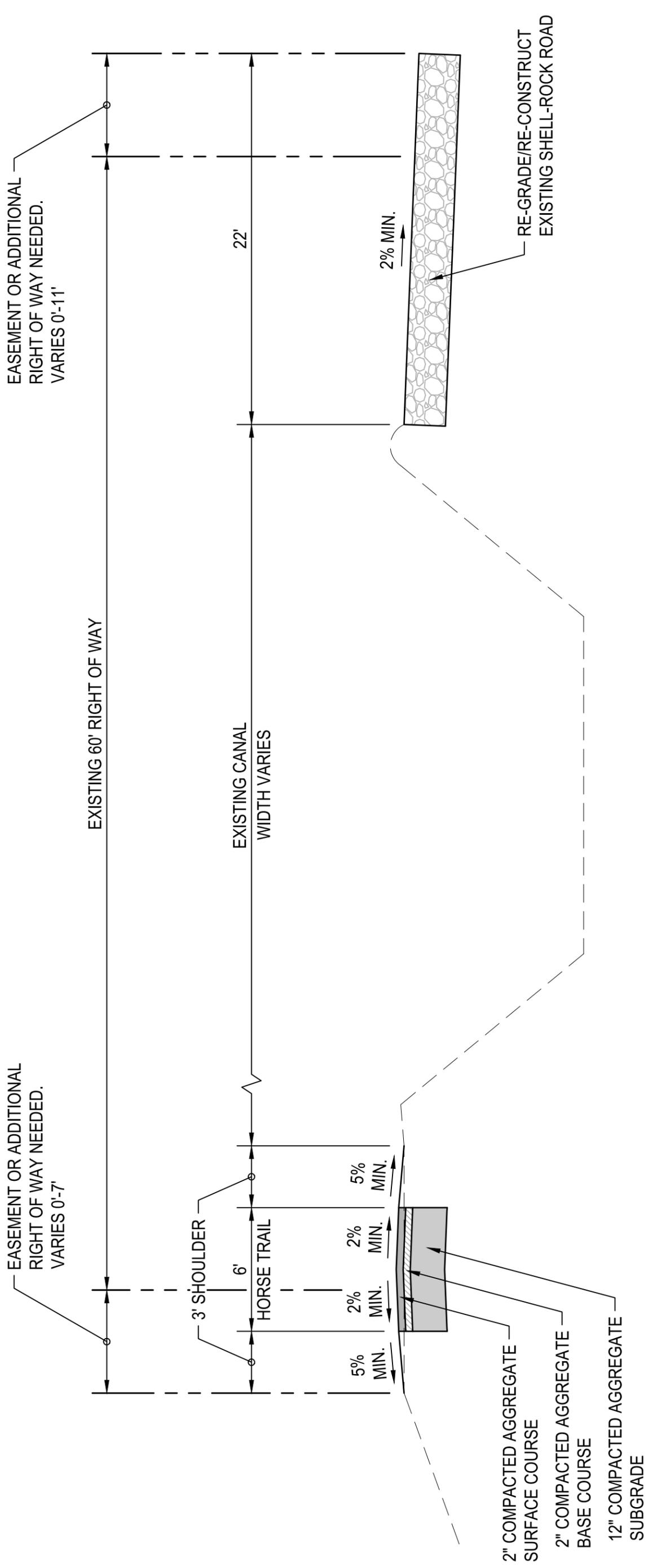
22' ASPHALT ROADWAY

NOTE: THIS CONCEPT DOES NOT MEET CLEAR ZONE REQUIREMENTS FROM THE F.D.O.T. GREENBOOK. SIMMONS & WHITE DOES NOT TAKE ANY RESPONSIBILITY FOR ROADWAYS NOT CONFORMING TO F.D.O.T. GREENBOOK STANDARDS.

THE ALTERNATIVE PROVIDED IS A CONCEPT AND NOT INTENDED AS FINAL DESIGN

SIMMONS & WHITE <small>INCORPORATING THE BEST OF ENGINEERING AND ARTISTRY</small>		B ROAD CONCEPTUAL	
<small>2581 Metrocentre Blvd • Suite 3 • West Palm Beach, Florida 33407 • (561) 478-7848</small>		TOWN OF LOXAHATCHEE GROVES, FLORIDA	
DESIGN B.K.	DRAWN D.B.	CHECKED	APPROVED
		DRAWING NO. 20022(TC)SC-3B	SHEET 2
		TYPICAL SECTION	
		JOB NO. 20-022	OF 5

SIMILAR COMMENTS AS APPLICABLE



B ROAD CONCEPT #3C

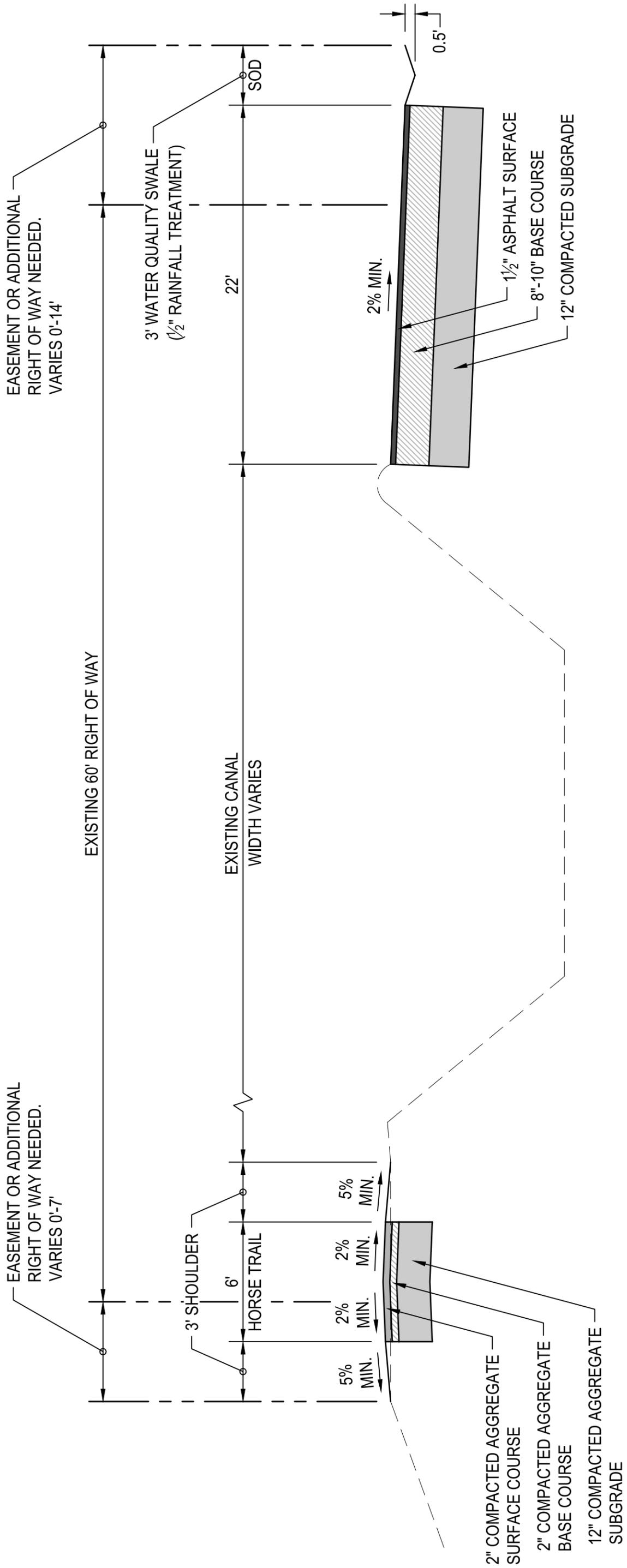
22' SHELL-ROCK ROADWAY

THE ALTERNATIVE PROVIDED IS A CONCEPT AND NOT INTENDED AS FINAL DESIGN

NOTE: THIS CONCEPT DOES NOT MEET CLEAR ZONE REQUIREMENTS FROM THE F.D.O.T. GREENBOOK. SIMMONS & WHITE DOES NOT TAKE ANY RESPONSIBILITY FOR ROADWAYS NOT CONFORMING TO F.D.O.T. GREENBOOK STANDARDS.

 <small>SIMMONS & WHITE ENGINEERING & ARCHITECTURE 2581 Mercantile Blvd • Suite 300 West Palm Beach, Florida 33407 • (561) 478-7648 Professional Registration No. 2452</small>		DESIGN	DRAWN	CHECKED	APPROVED	DATE
		B.K.	D.B.			
B ROAD CONCEPTUAL TOWN OF LOXAHATCHEE GROVES, FLORIDA TYPICAL SECTION		JOB NO.	DRAWING NO.	SHEET	OF	
		20-022	20022(TC)SC-3C	3	5	

SIMILAR COMMENTS AS APPLICABLE



B BROAD CONCEPT #3D

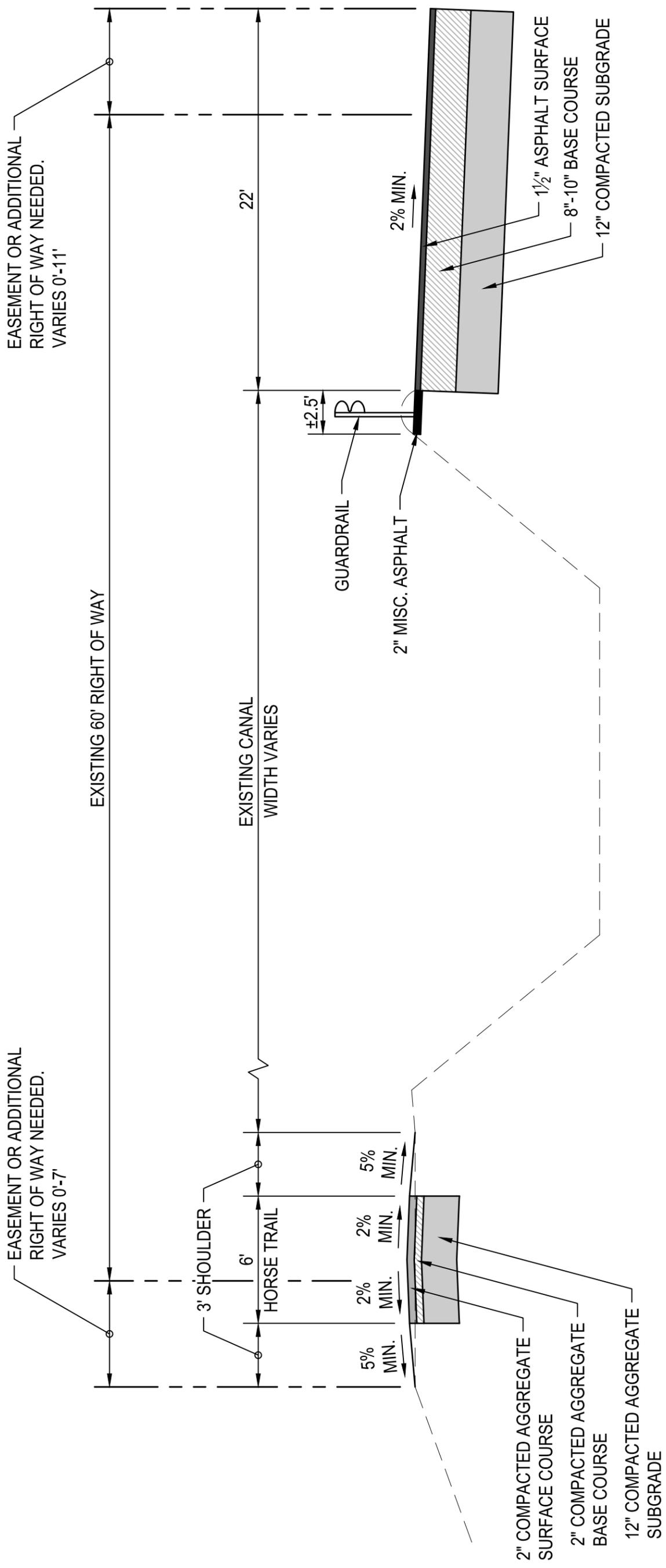
22' ASPHALT ROADWAY WITH 1/2" WATER QUALITY SWALE

THE ALTERNATIVE PROVIDED IS A CONCEPT AND NOT INTENDED AS FINAL DESIGN

NOTE: THIS CONCEPT DOES NOT MEET CLEAR ZONE REQUIREMENTS FROM THE F.D.O.T. GREENBOOK. SIMMONS & WHITE DOES NOT TAKE ANY RESPONSIBILITY FOR ROADWAYS NOT CONFORMING TO F.D.O.T. GREENBOOK STANDARDS. SWALE CAN BE USED WITH ANY ROADWAY SURFACE ALTERNATIVE.

		TOWN OF LOXAHATCHEE GROVES, FLORIDA TYPICAL SECTION	
		JOB NO. 20-022	DRAWING NO. 20022(TC)SC-3D
DESIGN B.K.	DRAWN D.B.	CHECKED APPROVED	DATE
REVISIONS		SHEET 4	OF 5

SIMILAR COMMENTS AS APPLICABLE



EASEMENT OR ADDITIONAL RIGHT OF WAY NEEDED. VARIES 0'-7'

EASEMENT OR ADDITIONAL RIGHT OF WAY NEEDED. VARIES 0'-11'

EXISTING 60' RIGHT OF WAY

EXISTING CANAL WIDTH VARIES

22'

±2.5'

GUARDRAIL

2" MISC. ASPHALT

2% MIN.

2" COMPACTED AGGREGATE SURFACE COURSE

2" COMPACTED AGGREGATE BASE COURSE

12" COMPACTED AGGREGATE SUBGRADE

1/2" ASPHALT SURFACE

8"-10" BASE COURSE

12" COMPACTED SUBGRADE

B BROAD CONCEPT #3E

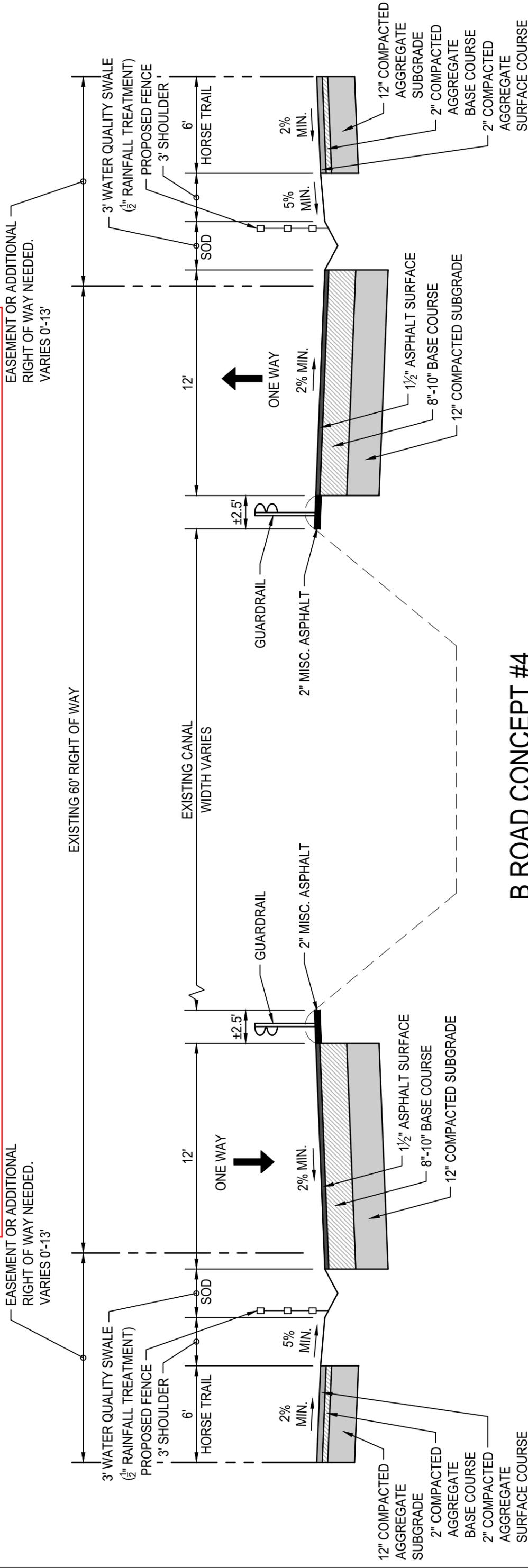
22' ASPHALT ROADWAY WITH GUARDRAIL

NOTE: GUARDRAILS CAN AND SHOULD BE USED FOR ALL ALTERNATIVES.

THE ALTERNATIVE PROVIDED IS A CONCEPT AND NOT INTENDED AS FINAL DESIGN

 <p>2581 Metrocentre Blvd • Suite 3 • West Palm Beach, Florida 33407 • (561) 478-7948</p>		DESIGN	CHECKED	APPROVED	DATE
		B.K.	D.B.		
<p>B ROAD CONCEPTUAL</p> <p>TOWN OF LOXAHATCHEE GROVES, FLORIDA</p> <p>TYPICAL SECTION</p>		JOB NO.	DRAWING NO.	SHEET	
		20-022	20022(TC)SC-3E	5	5

THIS SECTION MAY REQUIRE THE TOWN TO TAKE RESPONSIBILITY FOR ALL PRIVATE DRIVEWAYS (CULVERT CROSSINGS AND BRIDGES) THAT CROSS THE CANAL AS THEY WILL NOW ALL BE USED FOR PUBLIC ACCESS / TURN AROUNDS. SEVERAL EXISTING DRIVEWAY CONNECTIONS DO NOT MEET CURRENT STANDARDS NOR ARE SUITED FOR ALL VEHICLES. THIS SHOULD BE CONSIDERED IN THE EVALUATION FOR USE OF THIS CONCEPT. PROPOSED FENCE APPEARS TO BE IN CLEAR ZONE. SEE PREVIOUS COMMENTS AS APPLICABLE.



B ROAD CONCEPT #4

ONE-WAY PAIR WITH HORSE TRAILS,
GUARDRAIL, AND 1/2" WATER QUALITY SWALE

THE ALTERNATIVE PROVIDED IS A CONCEPT
AND NOT INTENDED AS FINAL DESIGN

NOTE: GUARDRAILS CAN AND SHOULD BE USED
FOR ALL ALTERNATIVES.

		B ROAD CONCEPTUAL TOWN OF LOXAHATCHEE GROVES, FLORIDA TYPICAL SECTION	
		DRAWING NO. 20022(TC)SC-4	SHEET 1 OF 1
DESIGN B.K.	DRAWN D.B.	CHECKED	APPROVED
REVISIONS		DATE	JOB NO. 20-022