



City of North Port
FINANCE DEPARTMENT/PURCHASING DIVISION
4870 CITY HALL BLVD, STE 337
NORTH PORT, FLORIDA 34287
Office: 941.429.7170
Fax: 941.429.7173
Email: purchasing@cityofnorthport.com



JANUARY 18, 2018

ADDENDUM 1

TO: PROSPECTIVE BIDDERS

RE: RFB NO. 2018-33 2018 ROAD MAINTENANCE PROJECT

DUE DATE: **JANUARY 22, 2018** AT 2:00 PM (EST)

City Hall, Room 302 (Bids need to be delivered to Room 337 so they can be date and time stamped on or before 2:00 PM. Bid opening will commence in Room 302 shortly thereafter)

Bidders are hereby notified that this addendum shall be made part of the above-named bid and contract documents. The following changes to the above bid are issued to modify, and/or clarify the bid and contract documents (the deletions are as ~~striketroughs~~ and additions as underlined). These items shall have the same force and effect as the original documents, and bids to be submitted on the specified date shall conform with the additions, deletions and revisions as listed herein.

ITEM #1: **CLARIFICATIONS**

C1: Deleting references in attachment title of RFB No. 2018- 01 and Replacing it with RFB No. 2018-33

ITEM #2: **Attached Pre-Bid agenda.**

Firms are required to acknowledge receipt of this addendum on their proposal forms. All other terms and conditions of the original proposal and contract documents remain the same.

Alla V. Skipper

Alla V. Skipper, CPPB
Senior Contract Administrator
Purchasing Department
4970 City Hall Blvd.
North Port, Florida 34286
Tel: 941.429.7172
Fax: 941.429.7173

E-mail: askipper@cityofnorthport.com

Receipt of Addendum No. 1 shall be noted within the Bid Form in the appropriate section.
End of Addendum No.1



PROJECT NO.: RFB NO. 2018-33

PROJECT NAME: 2018 ROUTINE ROAD MAINTENANCE PROJECT

Non-Mandatory Pre-Bid Meeting: JANUARY 3, 2018 At 9:00 AM

4970 City Hall Boulevard, Room 302, North Port, Florida 34286

A. INTRODUCTIONS

B. SIGN-IN SHEET

- C. PROJECT DESCRIPTION & SCOPE OF WORK:** The City of North Port is requesting sealed bids from licensed, experienced, prequalified or certified by Florida Department of Transportation (FDOT) Contractor for Milling, Resurfacing and Drainage Improvements on City roadways listed in the following attachments:

SPECIFICATION DOCUMENT (85 pages)

ATTACHMENT A: 2018 Routine Road Maintenance – Mill and Resurface Streets (140 lbs./SY) Summary;

ATTACHMENT B: 2018 Routine Road Maintenance – Stormwater Pipe Summary and Sketches;

ATTACHMENT C: 2018 W. Price Boulevard Mill and Resurface (200 lbs./SY);

ATTACHMENT D: 2018 City of North Port Hot Mix Asphalt Specification;

ATTACHMENT E: 2018 Typical Sections – Routine Road Maintenance Project; and

ATTACHMENT F: 2018 Map.

ATTACHMENT G: Map

ATTACHMENT H: Excel Format Bid Schedule

D. KEY DATES: ADDENDUM QUESTION DEADLINE/BID OPENING

- No verbal requests will be honored. All questions and clarifications must be submitted via e-mail or facsimile by **JANUARY 12, 2018 at 2:00 PM.**
- **BID OPENING: JANUARY 22, 2018 AT 2:00 PM**
4970 CITY HALL BOULEVARD, ROOM 302, NORTH PORT, FLORIDA 34286
ALL BIDS ARE DATE AND TIME STAMPED IN THE FINANCE DEPARTMENT, SUITE 337 FIRST AND THEN ARE OPENED IN SUITE 302

E. INSTRUCTIONS TO BIDDERS – overview (contractor needs to review, become familiar any questions, email: askipper@cityofnorthport.com)

- **Non-Submittal** – if decide not to bid-please complete
- **Bid bond** – REQUIRED WITH BID SUBMITTAL (**NOT LESS THAN 5%**)
- **Performance and Payment Bond** – **REQUIRED: w/in 10 days of award**
- **Unauthorized Alien Workers**
- **E-verify**

- Local Preference
- Payment
- Scrutinized Companies

F. GENERAL PROVISIONS – overview – for awarded contractor

G. SPECIAL PROVISIONS & TECHNICAL SPECS – overview

- **33** special provisions & **26** technical specs

H. DELIVERY METHOD

- *General Contracting (Single Prime)*
- Certified General Contractor
- The Contractor shall not sub-let or otherwise assign more than FIFTY percent (50%) of the contract value. The Contractor shall perform at least 50% of the entire activities as specified with his/her own staff.
- In order to be deemed responsive and responsible the Bidder must have obtained such prequalification or certification (below) not later than the time of bid opening, and attach proof with their bid package:
 - a. Bidder must be prequalified or certified by Florida Department of Transportation (FDOT) for categories listed under Rule 14-22.003(3), Florida Administrative Code, Classification of Work, shall provide to the City with in their bid package an updated/current FDOT Certificate of Qualification. The certificate shall include approval by FDOT to perform Bituminous and milling work; **And**
 - b. Bidder shall provide with their bid package proof of managing a paving project or several paving projects totaling a minimum of 5 miles for FDOT. Such proof shall include year of the project, the project name, phone numbers and email contact information of FDOT Project Manager. References will be reviewed as part of the bid evaluation and a determination will be made by the City and Engineer if the lowest bid Contractor is qualified.

I. ALTERNATES, ALLOWANCES AND UNIT PRICES

- *Utility Adjustment of \$10K*/each for Maintenance*
 - *Utility Adjustment of \$10K*/each for W. Price*
- *Not part of the contractor contract, it will be treated like a contingency*

J. BID ADDENDUM

- All questions in writing to purchasing@cityofnorthport.com
- **Addenda only available on :** www.demandstar.com
- Acknowledge addenda

- **Addendum #1** will include Deleting references in attachment title of RFB No. 2018-01 and Replacing it with RFB No. 2018-33

K. COMPLETION TIME & PROJECT SCHEDULE

CONSTRUCTION SCHEDULE: The time for the completion of the 2018 Road Maintenance Project work shall be **240 calendar days** from date specified in the Notice to Proceed to final completion.

Note this contract contains a finish milestone of May 31, 2018 for work on W. Price Boulevard. W. Price Boulevard also contains night work lane closures from 7:00 P.M. to 6:00 A.M. Contractor shall ensure that all work will be completed within the specified time without exception with a schedule showing completion within established constraints that will become the baseline for future updates. Updated schedules must identify any activities delayed and impacts to the progression of work with remedial action plans for recovery or adjustments. After a baseline schedule is submitted and approved consideration for significant changes in the Construction Schedule by Contractor must be justified and warranted before adopted.

L. LIQUIDATED DAMAGES - \$2,811 per calendar day PLUS

ADDITIONAL LIQUIDATED DAMAGES FOR W. PRICE BOULEVARD: The City and the Contractor hereby agree that time is of the essence to complete work on W. Price Boulevard and the City will suffer damages if the work is not substantially completed by May 31, 2018, plus any extensions thereof allowed by Change Order. It is further recognized and agreed by the City and the Contractor that the determination of the exact value of the damages the City would suffer due to a delay in the Substantial Completion of the work would be a difficult, time consuming and costly process. It is therefore hereby agreed by the City and the Contractor that it is in their mutual interest to establish a figure of **\$763.00** as Liquidated Damages (but not as a penalty), to be paid by the Contractor to the City for each calendar day that Substantial Completion of W. Price Boulevard is delayed beyond May 31, 2018. It is mutually agreed by the City and the Contractor that neither shall make any claim to increase or reduce the amount to be paid under Liquidated Damages as the result of any calculation of actual damages suffered by the City as the result of delay in the Substantial Completion of the work.

M. OBTAINING PLANS AND SPECIFICATIONS

- **Plans and attachments per TOC (available on the City FTP Site: <http://apps.cityofnorthport.com/ftpinfo/> (go to the drop down box, select Purchasing and scroll to Project RFB No. 2018-33) and on www.demandstar.com**

N. INSURANCE

Review requirements and be sure your firm is capable of providing: will not be negotiated after award

O. BIDDER CHECKLIST/FORMS

- Complete everything, SIGN EVERYTHING, NOTARIZE

P. COMMON BIDDER PITFALLS (that will delay contracting process or possibly cause rejection)

1. Bid Form/CHECKLIST AND ALL THE REQUIRED FORMS.
2. 5% BID BOND with submittal.
3. The “Contract Description” on the bond is missing or incorrect.
4. Bidder must enter a monetary amount for each UNIT PRICE on the Summary of Pay Items Form.
5. Company name on Bid Form or Bond does not match the Florida Department of corporations Filings.
6. Bidder fails to complete the “Sum in Words” spaces on the bid form, or the sum in words does not match the numbers – page 56.
7. **FAILS TO COMPLETE QUALIFICATIONS/REFERENCES PER INSTRUCTIONS** – use City Form pages 60-61 and may additional. Please advise your references the City will be contacting them via e-mail or telephone. Make sure current e-mail and telephone is provided for all references.
8. **EQUIPMENT LIST AND SOURCE OF SUPPLY.** Use city document page 63. If not using City Form make sure your document contains: Description, Manufacturer, Year, Condition (1-4 scale) and whether it is owned or leased.

Q. CITY REQUIRED FORMS:

- complete, sign, witness, notarize all required forms.

R. QUESTIONS

CITY OF NORTH PORT



2018 ROUTINE ROAD MAINTENANCE PROJECT

REQUEST FOR BID NO. 2018-33



City of North Port
FINANCE DEPARTMENT/PURCHASING DIVISION
4970 City Hall Boulevard
North Port, Florida 34286
Office: 941.429.7170
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**NOTICE OF AVAILABILITY OF BID SPECIFICATIONS
FOR
REQUEST FOR BID NO. 2018-33
~~2018 ROAD REHABILITATION PROJECT~~
2018 ROUTINE ROAD MAINTENANCE PROJECT**

The City of North Port is requesting sealed bids from licensed, experienced, prequalified or certified by Florida Department of Transportation (FDOT) Contractor for Milling, Resurfacing and Drainage Improvements on City roadways listed in the following attachments: **ATTACHMENT A:** 2018 Routine Road Maintenance – Mill and Resurface Streets (140 lbs./SY) Summary; **ATTACHMENT B:** 2018 Routine Road Maintenance – Stormwater Pipe Summary and Sketches; **ATTACHMENT C:** 2018 W. Price Boulevard Mill and Resurface (200 lbs./SY); **ATTACHMENT D:** 2018 City of North Port Hot Mix Asphalt Specification; **ATTACHMENT E:** 2018 Typical Sections – Routine Road Maintenance Project; and **2018 Map**.

NON-MANDATORY PRE-BID MEETING: January 3, 2017 AT 9:00 AM
4970 CITY HALL BOULEVARD, ROOM 302, NORTH PORT, FLORIDA

All potential Bidders are recommended to attend the non-mandatory pre-bid conference. The purpose of the Pre-Bid Meeting is to provide a briefing on the City's expectations and performance requirements for submission of Bid documents.

BID OPENING: January 22, 2018 AT 2:00 PM (EST)
4970 CITY HALL BOULEVARD, SUITE 302, NORTH PORT, FLORIDA 34286

****ALL BIDS ARE DATE AND TIME STAMPED IN THE FINANCE DEPARTMENT, SUITE 337****

Information regarding this project may be viewed and downloaded from Demandstar's website at www.demandstar.com. Links to DemandStar are also available from the city website at www.cityofnorthport.com. Bid specifications are posted on the City FTP site at http://apps.cityofnorthport.com/ftpinfo/dnld_form.aspx (go to the drop down box, select Purchasing and scroll to Project RFB No. 2018-33); however, the only place to obtain addenda are on www.demandstar.com. If you have any questions, concerns, or problems accessing the bid package using the link, please contact Alla V. Skipper, CPPB, Senior Contract Specialist, at 941.429.7172. Requests for additional information or clarification regarding the specifications must be sent via facsimile to 941.429.7173 or via email to purchasing@cityofnorthport.com. No verbal requests will be honored. All questions and clarifications must be submitted via e-mail or facsimile by **January 12, 2018 at 2:00 PM**.

The City of North Port does not discriminate on the basis of race, color, national origin, sex, age, disability, family or religious status in administration of its programs, activities or services.

PUBLISH: December 21, 2017
<http://cityofnorthport.com/www.demandstar.com>
Sarasota Herald Tribune Newspaper-

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ATTACHMENT A: 2018 ROUTINE ROAD MAINTENANCE - Resurface Streets (140lbs./SY) Summary

ATTACHMENT B: 2018 ROUTINE ROAD MAINTENANCE - Stormwater Pipe Summary and Sketches

ATTACHMENT C: 2018 ROUTINE ROAD MAINTENANCE - Resurface W. Price (150-200lbs./SY) Summary

ATTACHMENT D: 2018 City of North Port Hot Mix Asphalt Specification

ATTACHMENT E: 2018 TYPICAL SECTIONS – Routine Road Maintenance Project

2018 MAP: MAP 2018 ROUTINE ROAD MAINTENANCE

STATEMENT OF NON-SUBMITTAL

- ☐ Insufficient time to respond to the Request for Bid.
- ☐ We do not offer this product/service.
- ☐ Our schedule would not permit us to perform.
- ☐ Unable to meet bond/insurance requirements.
- ☐ Specifications are unclear (explain below).
- ☐ OTHER (please specify below).

REMARKS: _____

COMPANY NAME: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP CODE: _____

TELEPHONE: _____ FAX: _____

E-MAIL ADDRESS: _____

SIGNATURE: _____ DATE: _____

Note: "Statement of No Bid" may be faxed or e-mailed to the Purchasing Division at purchasing@cityofnorthport.com or faxed to 941.429.7173.

INSTRUCTIONS TO BIDDERS

THESE CONDITIONS ARE STANDARD FOR ALL BIDS FOR COMMODITIES/SERVICES ISSUED BY THE CITY OF NORTH PORT. THE CITY OF NORTH PORT MAY DELETE, SUPERSEDE OR MODIFY ANY OF THESE GENERAL CONDITIONS FOR A PARTICULAR CONTRACT BY INDICATING SUCH CHANGE IN SPECIAL CONDITIONS TO BIDDERS OR IN THE BID SHEETS. ANY AND ALL SPECIAL CONDITIONS THAT MAY VARY FROM THE GENERAL CONDITIONS SHALL HAVE PRECEDENCE. BIDDER AGREES THAT THE PROVISIONS INCLUDED WITH THIS REQUEST FOR BID SHALL PREVAIL OVER ANY CONFLICTING PROVISIONS WITHIN ANY STANDARD FORM CONTRACT OF THE BIDDER REGARDLESS OF ANY LANGUAGE IN BIDDER'S CONTRACT TO THE CONTRARY.

1. DEFINITIONS: Terms used in these Instructions to Bidders are defined and have the meanings assigned to them.

- Addenda: a written change to a solicitation
- Bid: any offer submitted in response to this request for Bid.
- Bidder: One that submits a bid in response to this Request for Bid.
- Bid Documents: Includes the General Terms and Conditions; Special Conditions; Technical Specifications, the Bid Form; Non-Collusive Affidavit; Public Entity Crime Form; Certificate(s) of Insurance, if required; Payment and Performance Bonds, if required; Corporate Resolution; Bid Bond, if required; Local Business Affidavit, Scrutinized Company Affidavit and Certification and all Addendum issued prior to receipt of bids.
- City: Shall refer to City of North Port, a municipal corporation of the State of Florida.
- Contract: The agreement to perform the services set forth in this solicitation. The Contract will be comprised of the Bid documents signed by both parties including any addenda and other attachments specifically incorporated.
- Responsible: Refers to a bidder that has the capacity and capability to perform the work required under a Request for Bid, and is otherwise eligible for award.
- Responsive: Refers to a bid that contains no exceptions or deviations from the terms, conditions, and specifications set forth in the Request for Bid.
- Request for Bid (RFB): Shall mean this solicitation document, including any and all addenda. A RFB contains well-defined terms, conditions, and specifications, and is awarded to the lowest priced responsive and responsible bidder.
- Solicitation: The written document requesting either bids or proposals from the marketplace.
- Successful Bidder: The lowest responsive, responsible Bidder to whom City (on basis of City's evaluation) makes an award.
- Vendor: A general reference to any entity responding to this solicitation or performing under any resulting Contract.

The City has established for purposes of this Request for Bid (RFB) that the words "shall", "must", or "will" are equivalent and indicate a mandatory requirement or condition, the material deviation from which shall not be waived by the City. A deviation is material if, in the City's sole discretion, the deficient response does not substantially satisfy this RFB's mandatory requirements. The words "should" or "may" are equivalent in this RFB and indicate very desirable conditions, or requirements that are permissive in nature.

INSTRUCTIONS TO BIDDERS

A. QUALIFICATIONS OF BIDDER: It is intent to the City to award this Contract to the lowest responsible bidder, qualified by experience and solvency, with proven reliability and the ability to provide the services or items required under this

Contract within a reasonable time frame acceptable to the City. Bidder may be required to supply information in writing at the request and discretion of the City prior to award of bids, in order to verify above requirements.

B. EXAMINATION OF BID DOCUMENTS: Prior to submission of a bid form, bidders shall carefully examine the General Terms and Conditions, Special Conditions, Technical Specifications, and all other related bid documents, including all modifications thereof, incorporated in the bid package.

It shall be the responsibility of the bidder, prior to submitting their response, to either visit www.demandstar.com to view the solicitation and download all issued addenda or contact Purchasing to determine if addenda were issued.

C. CLARIFICATION AND ADDITIONAL INFORMATION: Discrepancies, omissions, or questions about the intent of the documents will be submitted to the City of North Port Purchasing, or his/her designee in written form as a request for interpretation no later than five (5) business days prior to the bid opening (or may be verbally addressed at the pre-bid meeting, if applicable).

Interpretations made will be in the form of an addendum to the documents, which will be forwarded to all bidders. Receipt by each bidder must be acknowledged on the bid form, indicating the addendum number and date of issue, therein becoming part of the Contract. No oral explanations shall be binding. The City will attempt to notify all prospective bidders of addenda issued to the bid documents; however, it shall be the responsibility of the bidder, prior to submitting their bid, to contact the Purchasing Administrator, or his/her designee, to determine if addenda were issued, acknowledging and incorporating it into their bid.

D. MODIFICATION OR WITHDRAWAL OF BIDS: Bid modifications will be accepted from a bidder only if received in writing, properly signed by an officer of the bidder's firm, and received prior to the opening of bids. Bid modifications must be identified as such and will be opened with the firm's bid form.

Bids may be withdrawn by request of the bidder prior to the time fixed for opening. Error or negligence on the part of the bidder in preparing the bid confers no right for the withdrawal of the bid after it has been opened.

E. NO BID: A respondent who is on the bid notification list and decides not to submit a response is requested to complete the Statement of Non-Submittal Form and return it to the City.

F. CONFLICTS WITHIN SOLICITATION: Where there appears to be a conflict between the General Terms and Conditions, Special Conditions, the Technical Specifications, the Bid Form, or any addendum issued, the order of precedence shall be: the last addendum issued, the Bid Form, the Technical Specifications, the Special Conditions, and then the General Terms and Conditions. It is incumbent upon the vendor to identify such conflicts to the designated purchasing representative prior to the bid or proposal response date.

G. PROMPT PAYMENT: It is the policy of the City that payment for all purchases by the City shall be made in a timely manner and that interest payments will be made on late payments in accordance with Part VII, Chapter 218, Florida Statutes, known as the Local Government Prompt Payment Act. The bidder may offer cash discounts for prompt payments; however, such discounts will not be considered in determining the lowest price during bid evaluation.

2. PREPARATION AND SUBMISSION OF BID FORM

Bid Form: Bids shall be made on forms supplied by the City, or as otherwise specified. Each bid must state the name of the bidder, the bidder's full business address and state the type of business entity, followed by the original signature and designation of the officer or other person authorized to bind the corporation. Any erasures or other corrections in the bid form must be explained or noted over the signature of the bidder. Bid forms containing any conditions, omissions, unexplained erasures, alterations, or irregularities of any kind may be rejected by the City.

Bid Bond: Each bid must be accompanied by a bidder's bond or Cashier's check with their bid in the amount of NOT LESS THAN 5% of their total amount of the bid. This security shall ensure that the Bidder does not revoke the bid after bid opening, or fails to execute any necessary additional documents. Cashier's checks will be returned to all bidders after award of bid.

Bid Documents: Bid documents and forms shall be submitted sealed to the City of North Port, Purchasing, 4970 City Hall Boulevard, Suite 337, North Port, Florida 34286. The envelope/package shall be clearly marked with the Bid Number, Name and Business Address of the bidder. All interested firms are required to submit one (1) original and one (1) copy of their completed bid offer.

Submission of a response constitutes a binding offer and shall be subject to all terms and conditions specified in the solicitation.

For your bid to be acceptable, ***all blank spaces*** must be completely annotated where and when requested. All bids must contain a manual signature of the authorized representative of the bidder in the space provided on the Bid Certification Form.

Responsibility for getting this bid to the City on or before the specified date and time is solely and strictly the responsibility of the bidder. The City will not be responsible for any delay, for any reason whatsoever. Bids must be received and stamped with the date and time on the outside of the envelope, and must be in the City Purchasing Office by the date and time specified for opening.

Bids postmarked prior to said date and time but not received shall not be considered and will be returned to bidder unopened.

Bid Guarantee: The bid form shall be signed where indicated constituting an agreement that the bidder will not withdraw his/her bid for a period of ninety (90) days after the opening of the bids.

Source of Supply and Subcontractors: Bidders are to complete the attached Source of Supply and Subcontractors form. This form must be completed and included with the bid form. If bidder does not have a source of supply or subcontractor, insert "to be determined". When source or subcontractor is determined, selection will be subject to City approval.

Bid Opening: All bids received by the date and time so specified shall be opened and [the name of each bidder] read aloud within the Purchasing Office, or designated room at City Hall, at the bid opening. The opening and reading shall be in the presence of the City Clerk and the Purchasing Administrator or their designees. Bidders and the general public are not required to be present, but are invited and encouraged to attend.

Late Bids: Bids received after the date and time of bid opening will not be considered and will not be opened. It will be the bidder's responsibility to make arrangements for the return of the bid package at their expense.

3. CITY RIGHTS: The City of North Port reserves the right to accept or reject any and/or all bids in whole or in part, to waive irregularities and technicalities, and to request resubmission with or without cause and/or to accept the bid that, in its judgment, will be in the best interest of the City. Also, the City reserves the right to accept all or any part of the bid and to increase or decrease quantities to meet additional or reduced requirement of the City. In the event the city receives only one response, the bid may be either accepted or rejected by the City depending on available competition and the timely needs of the City.

4. AWARD OF BID: The award shall be let to the lowest responsive, responsible bidder who fulfills all criteria and specifications with consideration to favorable references and local preference and whose evaluation by the City indicates that the award will be in the best interest of the City.

Errors: For the purpose of the initial evaluation of bids, the following will be utilized in resolving arithmetic discrepancies found on the face of the bidding schedule as submitted by bidders:

Obviously misplaced decimal points will be corrected.

In case of discrepancy between unit price and extended price, the unit price will govern. Apparent errors in extension will be corrected.

Apparent errors in addition of lump sum and extended prices will be corrected.

For the purpose of bid evaluation, the City will proceed on the assumption that the bidder intends his/her bid be evaluated on the basis of the unit prices, extensions, and totals arrived at by resolution of arithmetic discrepancies as provided above and the bid will be so reflected on the tabulation of bids.

5. BID TABULATIONS: All bid tabulations shall be posted in the City Hall, 4970 City Hall Boulevard, North Port, Florida and on DemandStar's website at www.demandstar.com within ten (10) days after bid opening or at such time as the agency provides notice of a decision or intended decision, whichever is earlier.

6. WARRANTY: All warranties express and implied, shall be made available to the City for goods and services covered by this solicitation. All goods furnished shall be fully guaranteed by the vendor against factory and workmanship defects. At no expense to the City, the vendor shall correct any and all apparent and latent defects that may occur within the manufacturer's standard warranty period. The special conditions of the solicitation may supersede the manufacturer's standard warranty.

7. DESCRIPTIVE INFORMATION: Unless otherwise specifically provided in the Technical specifications, all equipment, materials and articles incorporated in the work covered by this Contract are to be new and of the most suitable grade for the purpose intended. Unless otherwise specifically provided in the Technical specifications, reference to any equipment, material, article or patented process, by trade name, make or catalog number, shall be regarded as establishing a standard of quality and shall not be construed as limiting competition. If the bidder wishes to make a substitution to the specifications, the bidder shall furnish the City the name of the manufacturer, the model number and other identifying data and information necessary to aid in the City in evaluating the substitution. Such substitution shall be subject to City approval. Substitutions shall be approved only if determined by the City to be equivalent to the specifications. A bid containing substitution is subject to disqualification if the City does not approve the substitution.

8. TAXES/FREIGHT: The bid shall include any freight, handling, delivery, surcharges or other incidental charges. Unless otherwise specified in the solicitation, prices quoted shall be F.O.B. Destination. The City is exempt from the payment of Federal and State taxes, including sales tax. The bid offer shall not include sales tax to be collected from the City. The City's sales tax exemption is not available to vendor for items vendor purchases, regardless of whether these items will be transferred to the City.

In the event the project is declared a sales tax recovery project by the City, the following procedure shall apply:

- (a) The City representative shall make a recommendation to the Division of Procurement Services regarding the materials to be purchased;
- (b) When those materials are purchased by the City, all purchase orders shall be issued directly from Purchasing;
- (c) The City shall take title to those materials directly from the manufacturer/supplier and shall bear the risk of loss or damage to the materials which are delivered directly from the manufacturer/ supplier;
- (d) The City shall be invoiced directly for the materials from the manufacturer/supplier and shall pay the invoices directly to the manufacturer/supplier, presenting its sales tax exemption certificate at the time of payment.

The cost of any materials purchased through the sales tax recovery program shall be deducted from the Contract amount and the vendor shall no longer be responsible for providing those materials. A written change order shall be executed.

9. CONTINUATION OF WORK: Any work that commences prior to and will extend beyond the expiration date of the current Contract period shall, unless terminated by mutual written agreement between the City and the vendor, continue until completion without change to the then current prices, terms and conditions.

10. TERMINATION OF CONTRACT:

Funding in Subsequent Fiscal Years: It is expressly understood by the City and the vendor that funding for any successive fiscal years of the Contract is contingent upon appropriation of monies by the City Commissioners. In the event

that funds are not available or appropriated, the City reserves the right to terminate the Contract. The City will be responsible for payment of any outstanding invoices and work completed by the vendor prior to such termination.

Termination With or Without Cause: The City shall have the right to unilaterally cancel, terminate or suspend this Contract, in whole or in part, by providing the Contractor thirty (30) days written notice by certified mail.

The City reserves the right to terminate this Contract, in part or in whole, in the event the vendor fails to perform in accordance with the terms and conditions stated herein. The vendor will be notified by letter of the City's intent to terminate. In the event of termination for default, the City may procure the required goods and/or services from any source and use any method deemed in its best interest. All re-procurement cost shall be borne by the vendor.

Termination by Vendor: Vendor shall have the right to terminate services only in the event of the City failing to pay Vendor's properly documented and submitted invoice within ninety (90) calendar days of the approval by the City's Administrative Agent, or if the project is suspended by the City for a period greater than ninety (90) calendar days.

11. PROPRIETARY OR CONFIDENTIAL INFORMATION: Bidders are hereby notified that all information submitted as part of, or in support of bid submittals will be available for public inspection after opening of bids in compliance with Chapter 119 of the Florida Statutes, the Public Record Act. The bidder should not submit any information in response to this solicitation which the bidder considers proprietary or confidential. The submission of any information to the City in connection with this solicitation shall be deemed conclusively to be a waiver of any protection from release of the submitted information unless such information is exempt from disclosure under the Public Records Act, and such information is marked as exempt. Failure to mark a trade secret as exempt waives the exemption.

12. RULES, REGULATIONS AND LICENSES: The vendor shall comply with all federal, state, and local laws and regulations applicable to provision of the goods and/or services specified in this solicitation.

It shall be the responsibility of the Contractor to assure compliance with OSHA, EPA and/or other local, federal, or State of Florida rules, regulations or other requirements, as each may apply.

When applicable and as required by law, the bidder will provide a material safety data sheet with each delivery of a toxic substance.

13. CODE OF ETHICS: With respect to this bid, if any bidder violates or is a party to a violation of the Florida Statutes, Chapter 112, Part III, Code of Ethics for Public Officers and Employees, such bidder may be disqualified from furnishing the goods or services for which the bid is submitted and shall be further disqualified from submitting any future bids for goods or services for the City.

14. COLLUSION: By offering a submission to this RFB, the bidder certifies that the bidder has not divulged to, discussed or compared his/her bid with other bidders and has not colluded with any other bidder or parties to this bid whatsoever. Also, bidder certifies, and in the case of a joint bid each party thereto certifies as to his/her own organization, that in connection with this bid: any prices and/or cost data submitted have been arrived at independently, without consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices and or cost data, with any other bidder or with any competitor; any prices and/or data quoted for this bid have not been knowingly disclosed by the bidder and will not knowingly be closed by the bidder prior to the scheduled opening directly or indirectly to any other bidder or to any competitor; no attempt has been made or will be made by the bidder to induce any other person or firm to person or persons interested in this bid, principal or principals is/are named therein and that no person other than therein mentioned has any interest in this bid or in the Contract to be entered into; and no person or agency has been employed or retained to solicit or secure this Contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee excepting bona fide employees of the bidder

15. PUBLIC ENTITY CRIMES: In accordance with Florida Statutes Sec. 287.133(2)(a), “A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a Contract to provide any goods/services to public entity, may not submit a bid on a Contract with a public entity for construction or repair of public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a Contractor, supplier, subcontractor, or consultant under a Contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Sections 287.017, for Category Two, for a period of 36 months from the date of being placed on the convicted vendor list.” By submitting a bid, vendor certifies that vendor is not currently prohibited from transacting business with the City due to the above statute. The vendor shall comply with the terms of this statute both before and during the term of this Contract.

16. DRUG FREE WORKPLACE PREFERENCE: The City has adopted a policy in observation of the Drug Free Workplace Act of 1988. Therefore, it is unlawful to manufacture, distribute, dispense, possess, or use any controlled substance in the City workplace.

The City requests that the attached Drug Free Workplace Affidavit accompany the bid response. This form has been adopted by the City in accordance with the Drug Free Workplace Act. The City will not disqualify any bidder who does not sign the affidavit. The Drug Free Workplace Affidavit is primarily used as a tie breaker when two or more separate entities have submitted bids at the same price, terms and conditions, with preference given to the bidder who has signed the affidavit.

17. EQUAL EMPLOYMENT OPPORTUNITY: The City of North Port, Florida, in accordance with the provisions of Title VII of the Civil Rights Act of 1964 (78 Stat. 252) and the Regulations of the Department of Commerce (15 CFR, Part 8) issued pursuant to such Act, hereby notifies all bidders that it will ensure that in any Contract entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit replies in response to this advertisement and will not be discriminated against on the ground of race, color or national origin in consideration for an award.

18. NON-DISCRIMINATION: The City of North Port do not discriminate on the basis of race, color, national origin, sex, age, disability, family or religious status in administration of its programs, activities or services. Pursuant to F.S §287.134(2)(a), an entity or affiliate who has been placed on the discriminatory vendor list may not submit a bid, proposal, or reply on a contract to provide any goods or services to a public entity; may not submit a bid, proposal, or reply on a contract with a public entity for the construction or repair of a public building or public work; may not submit bids, proposals, or replies on leases of real property to a public entity; may not be awarded or perform work as a Contractor, supplier, subcontractor, or consultant under a contract with any public entity; and may not transact business with any public entity.

19. DECLARATION OF EXEMPTION FROM PUBLIC RECORD: In accordance with Florida Statutes 119.0701, Contractor shall comply with all public records laws, and shall specifically:

1. Keep and maintain public records required by the CITY to perform the service.
 - a. The timeframes and classifications for records retention requirements must be in accordance with the General Records Schedule GS1-SL for State and Local Government Agencies.
(See <http://dos.dos.state.fl.us/library-archives/records-management/general-records-schedules/>)
 - b. “Public records” means and includes those items specified in Florida Statutes 119.011(12), as amended from time to time, and currently defined as: All documents, papers, letters, maps, books, tapes, photographs, films, sound recordings, data processing software, or other material, regardless of the physical form, characteristics, or means of transmission, made or received pursuant to law or ordinance or in connection with the transaction of official business with the City. CONTRACTOR’S records under this Agreement include but are not limited to, supplier/subcontractor invoices and contracts, project documents, meeting notes, emails and all other documentation generated during this Agreement.

2. Upon request from the City's custodian of public records, provide the CITY, at no cost, with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided for by law. All records kept electronically must be provided to the City, upon request from the City's custodian of public records, in a format that is compatible with the information technology systems of the City.

3. Ensure that project records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and, if the Contractor does not transfer the records to City following completion of the contract, for the time period specified in General Records Schedule GS1-SL for State and Local Government Agencies.

4. Upon completion of the contract, transfer, at no cost, to the City all public records in Contractor's possession or keep and maintain public records required by the City to perform the service. If the Contractor transfers all public records to the City upon completion of the contract, the Contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Contractor keeps and maintains public records upon the completion of the contract, the Contractor shall meet all applicable requirements for retaining public records.

5. IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT CUSTODIAN OF PUBLIC RECORDS, 4970 CITY HALL BOULEVARD, NORTH PORT, FLORIDA 34286, 941.429.7063 OR HOTLINE 941.429.7270; E-MAIL: padkins@cityofnorthport.com.

6. Failure of the CONTRACTOR to comply with these requirements shall be a material breach of this Agreement. Further, Contractor may be subject to penalties under Florida Statutes 119.10.

20. FORCE MAJEURE: The parties will exercise every reasonable effort to meet their respective obligations hereunder, but shall not be liable for delays resulting from force majeure or other causes beyond their reasonable control, including, but not limited to, compliance with any Government law or regulation, acts of nature, acts or omissions of the other party, Government acts or omissions, fires, strikes, national disasters, wars, riots, transportation problems and/or any other cause whatsoever beyond the reasonable control of the parties. Any such cause will extend the performance of the delayed obligation to the extent of the delay so incurred.

21. GOVERNING LAWS: The interpretation, effect, and validity of any Contract resulting from this RFB shall be governed by the laws and regulations of the State of Florida. Exclusive venue of any court action shall be in Sarasota County, Florida.

22. SUBCONTRACTING: Unless otherwise specified in this solicitation, the vendor shall not subcontract any portion of the work without the prior written consent of the City. The ability to subcontract may be further limited by the Special Conditions. Subcontracting without the prior consent of the City may result in termination of the Contract for default.

23. MODIFICATION OF CONTRACT: Any Contract resulting from this solicitation may be modified by mutual consent of duly authorized parties, in writing through the issuance of a modification to the Contract and/or change order as appropriate. This presumes the modification itself is in compliance with all applicable City procedures.

24. SUCCESSORS AND ASSIGNS: The vendor shall not assign any interest in any Contract resulting from this solicitation and shall not transfer any interest in same (whether by assignment or novation) without prior written consent of the City, except that claims for the money due or to become due to the vendor from the City under any Contract may be assigned

to a financial institution or to a trustee in bankruptcy without such approval from the City. Notice of such transfer or assignment due to bankruptcy shall be promptly given to the City.

25. CONTRACTING WITH CITY EMPLOYEES OR BOARD MEMBERS: Any City employee, Board member or member of his or her immediate family seeking to Contract with the City shall seek a conflict of interest opinion from the purchasing or their designated representative prior to submittal of a response or application of any type to Contract with the City. The affected employee or Board member shall disclose his or her assigned function within the City and interest or the interest of his or her immediate family in the proposed Contract and the nature of the intended Contract.

Florida Statute §112.313(12) Standards Of Conduct For Public Officers, Employees Of Agencies, And Local Government Attorneys controls contracting with City employees or board members, and provides as follows:

(12) EXEMPTION.--The requirements of subsections (3) and (7) as they pertain to persons serving on advisory boards may be waived in a particular instance by the body which appointed the person to the advisory board, upon a full disclosure of the transaction or relationship to the appointing body prior to the waiver and an affirmative vote in favor of waiver by two-thirds vote of that body. In instances in which appointment to the advisory board is made by an individual, waiver may be effected, after public hearing, by a determination by the appointing person and full disclosure of the transaction or relationship by the appointee to the appointing person. In addition, no person shall be held in violation of subsection (3) or subsection (7) if:

(b) The business is awarded under a system of sealed, competitive bidding to the lowest or best bidder and:

1. The official or the official's spouse or child has in no way participated in the determination of the bid specifications or the determination of the lowest or best bidder;

2. The official or the official's spouse or child has in no way used or attempted to use the official's influence to persuade the agency or any personnel thereof to enter such a contract other than by the mere submission of the bid; and

3. The official, prior to or at the time of the submission of the bid, has filed a statement with the Commission on Ethics, if the official is a state officer or employee, or with the supervisor of elections of the county in which the agency has its principal office, if the official is an officer or employee of a political subdivision, disclosing the official's interest, or the interest of the official's spouse or child, and the nature of the intended business.

26. TRUTH-IN-NEGOTIATIONS CERTIFICATE: If applicable, execution and signature by the vendor of the Bid Form shall act as the execution of a truth-in-negotiation certificate certifying that the wage rates and costs used to determine the compensation provided for in this Contract are accurate, complete, and current as of the date of the Contract.

For professional service Contracts, the original Contract price and any additions thereto will be adjusted to exclude any significant sums by which the City determines the Contract price was increased due to inaccurate, incomplete, or noncurrent wage rates and other factual unit costs. The City shall exercise its rights under this "Certificate" within one (1) year following payment.

27. GRANT FUNDING: In the event any part of the Contract is to be funded by federal, state, or other local agency monies, the vendor hereby agrees to comply with all requirements of the funding entity applicable to the use of the monies, including full application of requirements involving the use of minority firms, women's business enterprises, and labor surplus area firms. Vendors are advised that payments under the Contract may be withheld pending completion and submission of all required forms and documents required of the vendor pursuant to the grant funding requirements. A copy of the requirements shall be supplied to the vendor by the City upon request.

28. PERFORMANCE/PAYMENT BOND: The successful bidder shall provide the required performance and payment bond or other acceptable security to the City within ten (10) business days of being awarded the bid. Failure by the successful bidder to provide the bond within ten (10) business days shall be considered a default under Sec. 2-404 of the City of

North Port Administrative Code. Such default shall only be curable at the option of the City. In addition, the Contractor shall be responsible and bear all costs associated to record Performance and Payment Bond with Sarasota County Clerk's Office. Receipt of said recording and certified copy of the bond shall be furnished to the Purchasing Department at the time of the pre-construction meeting. Such default shall only be curable at the option of the City.

In addition, the Contractor shall be responsible and bear all costs associated to record Performance and Payment Bond with Sarasota County Clerk's Office. Receipt of said recording and certified copy of the bond shall be furnished to the Purchasing Department at the time of the pre-construction meeting. Such default shall only be curable at the option of the City.

Upon such default the City may immediately award the bid to the next lowest responsive and responsible bidder, and recover from the original successful bidder the difference in cost between the original winning bid and the next lowest responsive and responsible bidder.

PERFORMANCE/PAYMENT BOND REQUIREMENTS:

The Contractor shall provide a Performance Bond and a Payment Bond, in the form prescribed in Section 3, Contract Documents, each in the amount of 100% of the Contract amount, the costs of which are to be paid by the Contractor. The bonds will be acceptable to the City only if the following minimum conditions are met:

- a. is licensed to do business in the State of Florida;
- b. holds a certificate of authority authorizing it to write surety bonds in this state;
- c. has twice the minimum surplus and capital required by the Florida Insurance Code at the time the invitation to bid is issued;
- d. is otherwise in compliance with the provisions of the Florida Insurance Code; and
- e. holds a currently valid certificate of authority issued by the United States Department of Treasury under 31 U.S.C. §§ 9304-9308.
- f. The Surety Company must have a current rating of at least Excellent (A or A-) as reported in the most current Best Key Rating Guide, published by A.M. Best Company, Inc., of 75 Fulton Street, New York, New York 10038, with an underwriting limitation of at least two times the dollar amount of the contract.

If the Surety Company for any Bond furnished by the Contractor files for bankruptcy, has a receiver appointed, is declared bankrupt, becomes insolvent, has an assignment made for the benefit of creditors, has its right to do business terminated in the State of Florida, or ceases to meet the requirements imposed by the Contract Documents, the Contractor shall, within five (5) calendar days thereafter, substitute another Bond and Surety Company, both of which shall be subject to the City's approval.

By execution of these bonds, the Surety Company acknowledges that it has read the surety qualifications and surety obligations imposed by the Contract documents and hereby satisfies those conditions.

29. STATE REGISTRATION REQUIREMENTS: Any corporation submitting a bid in response to this RFB shall either be registered or have applied for registration with the Florida Department of State in accordance with the provisions of Chapter 607, Florida Statutes, unless they are exempt. A copy of the registration/application may be required prior to award of a Contract. Any partnership submitting a bid in response to this RFB shall have complied with the applicable provisions of Chapter 620, Florida Statutes.

30. NOTICE TO PROCEED/DELIVERY: After award of bid, a Notice to Proceed shall be issued bearing the terms of delivery. Upon receipt of Notice to Proceed, successful bidder shall acknowledge receipt of same by either fax or mail and shall commence prosecution of the order so that the agreed upon delivery date will be satisfied.

31. PERFORMANCE EVALUATION: At the end of the Contract, the receiving department may evaluate the successful bidder's performance. This evaluation will become public record.

32. PURCHASING AGREEMENTS WITH OTHER GOVERNMENTAL AGENCIES: All bidders submitting a response to this RFB agree that such response also constitutes a bid in accordance with the terms of the RFB to all political subdivisions of Sarasota County and the State of Florida, under the same conditions, for the same prices as this bid, unless otherwise stipulated by the bidder.

33. NONEXCLUSIVE CONTRACT: Award of this Contract shall not require the City to use the Vendor for all work of this type, which may develop during the Contract term. This Contract is non-exclusive. The city reserves the right to concurrently Contract with other entities for similar work if it deems such action to be in the best interests of the City.

34. AUDIT: City shall have the right to audit vendor's records that relate to this Contract. Records shall be maintained for a period of three (3) years from the date of final payment.

35. UNAUTHORIZED ALIEN CLAUSE: The City of North Port will not intentionally award publicly-funded Contracts to any Contractor who knowingly employs unauthorized alien workers, constituting a violation of the employment provisions contained in 8 U.S.C. Section 1324a(e) [Section 274A(e) of the Immigration and Nationality Act ("INA")]. The City shall consider employment by any Contractor of unauthorized aliens a violation of Section 274A(e) of the INA. Such violation by the Contractor of the employment provisions contained in Section 274A(e) of the INA shall be grounds for termination of this Agreement by the City.

36. E-VERIFY: The Contractor shall utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the Contractor during the term of the Contract and shall expressly require any subcontractors performing work or providing services pursuant to the Contract to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the Contract term.

It is the awarded Bidder's responsibility to ensure that all its employees and subcontractors comply with the employment regulations required by the US Department of Homeland Security. The City shall have no responsibility to check or verify the legal immigration status of any employee of the awarded Bidder.

37. EMPLOYEE BACKGROUND CHECK: If an owner, except a stockholder in a publicly traded corporation, or an employee of the Contractor has been convicted of any offenses requiring registration as a sexual offender or sexual predator, regardless of the location of conviction, the Contractor shall ensure that the offender's or predator's work on the project is consistent with the terms of his probation and registry requirements.

38. PAYMENT: Two (2) original requests for payment must be submitted to the City of North Port on a form approved by the City. In lieu of the hard copies of the pay request submittal, scanned signed digital files of the requests for payments may be submitted as an attachment to an e-mail. Each pay request must be accompanied by written consent of the surety, when applicable, and an updated work schedule to reflect progress of work. Payment shall be subject to the approval and direction of the surety in accordance with F.S. §255.05(11). Price shall be net and all invoices payable according to the Florida Local Government Prompt Payment Act (F.S. ch. 218). Upon certification and approval by the City or its duly authorized agent, progress payments may be made to the Contractor upon his/her application for all services or work completed or materials furnished in accordance with the Contract. Prior to fifty percent (50%) completion, the Contractor will be paid monthly the total value of the work completed and accepted during the preceding month, less ten percent (10%) retainage. After fifty percent (50%) completion of the construction services purchased pursuant to the Contract, the City must reduce to five percent (5%) the amount of retainage withheld from each subsequent progress payment made to the Contractor upon request of the Contractor. For purposes of this subsection, the term "fifty percent (50%) completion" is the point at which the City has expended fifty percent (50%) of the total cost of the construction services purchased as identified in the Contract together with all costs associated with existing change orders

and other additions or modifications to the construction services provided for in the Contract. The City shall inform the Contractor's Surety of any reduction in retainage. The Contractor must update each new pay request in accordance with any changes made to the previous submittal. The City or its duly authorized administrative agent, shall approve final payment for all work, materials and services furnished under this Contract.

Retainage may be reduced upon issuance of the Certificate of Substantial Completion by the City if, in the sole opinion of the City, sufficient progress on the schedule has been accomplished, the surety does not object, and the City has retained adequate coverage for the project through the achievement of Final Completion.

39. MBE: Contractors awarded construction contracts who intend to subcontract material or service requirements of the project are encouraged to subcontract to certified minority business/women business enterprises firms or show good faith effort.

40. DBE Contract Assurance (IF APPLICABLE): The contractor, sub-recipient, or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate.

41. SWORN STATEMENT, COMPLIANCE WITH FLORIDA TRENCH ACT: Bidder shall be solely responsible for complying with the Florida Trench Safety Act (553.60-553.64 Florida Statutes) and Occupational Safety and Health Administration excavation safety standards, 29 CFR 1926.650 (subpart P) as amended. All costs associated with complying with these requirements shall be included in the separate line items of the bid and shall be as detailed in the Sworn Statement of Compliance with the Florida Trench Safety Act. Bidder shall submit the Statement of Compliance with the Florida Trench Safety Act form provided herein with his bid or with each work assignment.

42. INSURANCE REQUIREMENTS: The successful Bidder shall be required to supply, at their cost, insurance coverage in form and amount as required by the City, as outlined in the bid specifications.

43. CONTACT PROHIBITION: All prospective Bidders are hereby instructed **NOT** to contact any member of the City of North Port Commission, the City Manager, or City of North Port staff member other than the Authorized Contact Persons identified in this Solicitation regarding this solicitation package, Bidder's submittal package, City's Intent to Award, or City's Intent to Reject (if applicable) at any time prior to the FORMAL AWARD for this project. Any such contact shall be cause for rejection of your submittal.

44. SCRUTINIZED COMPANIES: For contracts of \$1,000,000.00 or more, the Bidder shall certify that it is not on the Scrutinized Companies with Activities in Sudan list or the Scrutinized Companies with Activities in Iran Petroleum Energy Sector list as defined in Florida Statutes §215.473, as required by §287.135, Florida Statutes. The City shall supply the certification form. Providing a false certification is punishable by civil penalty equal to twice the contract amount plus reasonable attorney's fees and costs, in addition to the Bidder being ineligible to bid on any contract for three years after the date it was determined that a false certification was made.

By submitting a bid, proposal or response, the company, principals, or owners certify that they are not listed on the Scrutinized Companies with Activities in Sudan List or listed on the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List or is engaged in business operations in Cuba or Syria.

45. EMPLOYEE BACKGROUND CHECK: If an owner, except a stockholder in a publicly traded corporation, or an employee of the Contractor has been convicted of any offenses requiring registration as a sexual offender or sexual

predator, regardless of the location of conviction, the Contractor shall ensure that the offender's or predator's work on the project is consistent with the terms of his probation and registry requirements.

46. LOCAL PREFERENCE: Bidder may claim the Local Preference if Bidder qualifies under the definition below and in accordance with Ordinance 2009-10, as may be amended by the City of North Port.

A. Local Business Definition:

Preference shall be given to a "local business" in the purchase of commodities and services procured pursuant to this Section. Bidders desiring to receive preference as a local business will be required to affirmatively state and provide documentation as set forth in the solicitation in support of their status as a local business. Any bidder who fails to submit sufficient documentation with their bid shall not be granted local preference consideration for the purpose of that specific contract award.

"Local business" means a bidder that maintains a physical business address located within the limits of Sarasota County, Charlotte County or Desoto County for a period of six (6) months or more before the bid submission date from which the bidder operates or performs business and where at least fifty percent (50%) of the bidder's employees are residents of the City. Post office boxes may not be used to establish a physical business address.

"North Port local business" means a local business that has its primary physical business address located within the limits of the City for a period of six (6) months or more before bid submission date, from which the bidder operates or performs business and where at least fifty percent (50%) of the bidder's employees are residents of the City. Post office boxes may not be used to establish a physical business address.

If requested by the City, the bidder will be required to provide documentation substantiating the information given in this affidavit. City reserves the right to request supporting documentation as evidence to substantiate the information given in this affidavit. Failure to do so will result in the bidder's submission being deemed non-responsive.

Any bidder that misrepresents its status as a local business or North Port local business shall be barred from receiving any City contracts for a period of three (3) years.

B. Local Price Match Option:

Each formal competitive bid solicitation shall clearly identify the criteria for award. When a responsive and responsible bidder who is not a local business (hereafter, non-local business bidder) submits the lowest bid price (hereafter, low bid), all responsive and responsible local business bidders shall have five (5) business days to submit an offer to match the low bid, provided the original bid submitted by the local business bidder is within ten percent (10%) of the low bid if the amount of the low bid is no more than one million dollars (\$1,000,000). If the amount of the low bid is more than one million dollars (\$1,000,000) but no more than 2 million dollars (\$2,000,000), local business bidders within five percent (5%) shall have the opportunity to match the low bid. If the amount of the low bid is more than two million dollars (\$2,000,000) but no more than 3 million dollars (\$3,000,000), local business bidders within three percent (3%) shall have the opportunity to match the low bid. If the amount of the low bid is more than three million dollars (\$3,000,000), local business bidders within two and one-half percent (2.5%) shall have the opportunity to match the low bid. The original lowest responsive and responsible North Port local business bidder who matches the low bid shall receive the award. If no eligible North Port local business bidder can match the low bid, the award shall be made to the original lowest responsive and

responsible local business bidder who matches the low bid. If no eligible local business bidder can match the low bid, the award shall be made to the lowest responsive and responsible bidder, regardless of local business status.

If there is a tie between a local business and a non-local business, the local business shall receive the award. If there is a tie between two North Port local businesses or two local businesses, the business with the higher percentage of employees who reside within the City shall receive the award.

37. RELEASE OF LIENS: The Contractor is required to pay all money due subcontractors and material dealers promptly. The Contractor shall submit releases of liens, satisfactory to the City, certifying that all payrolls, material bills, and other indebtedness incurred by the Contractor in connection with this project have been paid in full.

END OF SECTION I

SECTION II. GENERAL PROVISIONS

1. SCOPE OF WORK

1.1 Intent of Contract: Bid forms shall set forth firm bid unit prices for furnishing all necessary materials and completing all work, including but not limited to labor, transportation, supervision, electricity, water, equipment, startup, testing, training and all other work needed for a complete and operation system, as described in the Technical Specifications and/or shown on the Contract Drawings attached herewith. The City reserves the right to establish the exact limits of work in the field and to add or delete from the Project, as it deems necessary.

1.2 Definitions:

1.2.1 The successful bidder for this Contract will be referred to as the Contractor; Department Director or his/her representative, acting personally or through an assistant duly authorized for such act by the City will be referred to as City. For the purposes of this Contract, the word "Project" shall mean the services limits of Contractor.

1.2.2 The Contract documents consist of the Request for Bids, Instructions to Bidders, Bid Forms, Technical Specifications and Conditions, Construction Drawings, General Provisions, Special Provisions, Insurance Requirements, and all other related documents, including all modifications thereof incorporated in the documents before their execution. These form the Contract.

1.2.3 Written notice shall be deemed to have been duly served three days after date of postmark, and upon receipt, if delivered to the individual or member of the firm or an officer of the corporation for whom it is intended.

1.2.4 Subcontractor(s), as employed herein, includes only those having a direct Contract with the Contractor and it includes one who furnishes material worked to a special design according to the plans and specifications of this work, but does not include one who merely furnishes material not so worked.

1.2.5 The term "work" of the Contractor includes labor or materials or both, equipment, transportation, or other facilities necessary to complete the Contract.

1.2.6 All time limits stated in the Contract documents are of essence to the Contract.

1.3 Time of Completion: The Contractor shall complete the work within the time set forth in the Contract. The Contractor shall complete each portion of the work within such time as set forth in the Contract for such portion. The time of completion of the Contract shall be expressed in calendar days.

All work (with exception of W. Price Boulevard) for this project shall be performed during regular business hours. A regular workday shall be considered to be a maximum of ten (10) hours duration. W. Price Boulevard lane closure work shall be performed at night between the hours of 7:00 P.M. and 6:00 A.M. The cost for inspection time for work performed on Sundays, holidays, or in excess of ten (10) hours may be billed to the Contractor at the prevailing wage plus overhead costs for those persons involved.

A working day is any day within the period between the start of the Contract time and the date provided in the Contract for completion or upon field acceptance by the City of all work provided for in the Contract, or as stipulated in the Technical Specifications, or whichever comes first, other than: Sunday, any day designated as a holiday by the City, any day the Contractor is prevented from working during the first five (5) hours of the work day, with at least sixty percent (60%) of the normal work force, due to inclement weather.

Request for planned overtime by the Contractor must be submitted in writing to the City, twenty-four (24) hours in advance, and may not proceed without the City's approval.

1.4 Quality of Work: The Contractor agrees to do the work covered under this Contract to the best of his/her ability and conforming to this Contract and specifications and of a quality acceptable to the trades. The Contractor further agrees to follow proper and appropriate instructions by the City.

2. PROSECUTION AND PROGRESS

2.1 Subletting or Assigning of Contracts: The Contractor shall not sublet, sell, transfer, assign, or otherwise dispose of the Contract or any portion thereof, or his right, Title, or interest therein, without written consent of the City Manager or his Designee.

2.2 Preconstruction Meeting: After the Contract has been awarded, the City will schedule a preconstruction meeting to be held before any work is begun to review the construction aspects of the Project. The meeting will be between the City, the Contractor and various utility companies that will be affected by the construction.

The awarded Contractor shall furnish a certified recorded copy from Sarasota County Clerk's Office of the Performance and Payment Bond in the amount of 100% of the total project price within ten (10) calendar days after notification of award to the Purchasing Department. The undersigned shall be responsible and bear all costs associated to record Performance and Payment Bond with Sarasota County Clerk's Office. Receipt of said recording and a certified copy of the Bond shall be furnished to the Purchasing Department at the time of the pre-construction meeting.

2.3 Performance and Payment Bond:

The awarded Contractor shall furnish a certified recorded copy from Sarasota County Clerk's Office of the Performance and Payment Bond in the amount of 100% of the total project price within ten (10) calendar days after notification of award to the Purchasing Department. The undersigned shall be responsible and bear all costs associated to record Performance and Payment Bond with Sarasota County Clerk's Office. Receipt of said recording and a certified copy of the Bond shall be furnished to the Purchasing Department at the time of the pre-construction meeting.

2.4 Submission of Work Schedule/Order of Completion: At the preconstruction meeting, the successful bidder shall have on hand a working schedule for the Project, showing in detail the order in which the Contractor proposes to perform the work. He/she shall indicate the dates on which major equipment will be delivered and various major items of work will start and the estimated completion dates of the major items. Construction Schedule the Contractor's proposed operations for the various items of work, which would affect or be affected by utility adjustments.

2.5 Submission of Schedule of Values: A Schedule of Values to reflect value of equipment, materials and work performed per unit price, with totals shall be submitted at preconstruction meeting. Both parties are to agree on proposed schedule of values prior to any work being performed.

2.6 Provisions for Convenience of Public: The Contractor shall schedule his/her operations so as minimize any inconvenience to adjacent businesses for residences. Where necessary, the City may require the Contractor to construct first the work in any areas along the Project where restrictions caused by construction operations would represent a more serious handicap, before beginning construction in the less affected areas.

3. CONTROL OF THE WORK AND MATERIALS

3.1 Control of Work:

3.1.1 Plans and Contract Documents: The Contractor will be furnished a CD and two (2) signed and sealed building permit field copies of the Plans, Technical Specifications, General and Special Provisions as required for the Project. Additional signed & sealed copies, if needed to obtain the permits or otherwise perform the Work associated with this Contract, will be submitted upon written request. Other copies that may be needed by the Contractor shall be produced by the Contractor as his own expense.

3.1.2 Detail Drawings and Instructions: The City may furnish, with reasonable promptness, additional instructions by means of drawings or otherwise, necessary for the proper execution of the work. All such drawings and instructions shall be consistent with the Contract documents, true developments thereof, and reasonable inferable there from.

3.1.3 Order of Precedence: These documents are integral parts of the Contract, and a requirement occurring on one is as binding as though occurring in all. They are intended to be complementary and to describe and provide for a complete work. In cases of discrepancy, the governing order of documents shall be as follows:

- 3.1.3.1** Permits from Agencies as required by law
- 3.1.3.2** Change Orders
- 3.1.3.3** Contract Documents, including Special Provisions, Technical Specifications and Attachments A through E
- 3.1.3.4** Construction Plans
 - 3.1.3.4.1** Dimensions given in figures govern scaled dimensions.
 - 3.1.3.4.2** Detail drawings govern over general drawings.
 - 3.1.3.4.3** Addenda/Change order drawings govern over Contract documents.
- 3.1.3.5** FDOT Roadway and Traffic Design Standards, July 2017 edition.
- 3.1.3.6** FDOT Standard Specifications, for Road & Bridge Construction, 2017 edition.

3.1.4 Conformity of Work with Plans: All work performed and all materials furnished shall be in reasonably close conformity with lines, grades, cross sections, dimensions, and material requirements, including tolerances, shown on the Plans or indicated in the Technical Specifications or Special Provisions.

3.1.5 Authority of the City: All work shall be done under the supervision of the City or the City's representative and performed to its satisfaction. It is agreed by the parties hereto that the City shall decide all questions and disputes which may arise relative to the interpretation of the plans, construction, prosecution, and fulfillment of the Contract, and as to the character, quality, amount, and value of any work done, and material furnished, under or by reason of the Contract.

3.1.6 City's Status: The City and/or the City's Representative shall examine and inspect the work to assure compliance with the requirements of these Contract Documents. The City and/or the City's Representative shall determine the quality and acceptability of materials and workmanship relative to the requirements of the Plans and Technical Specifications.

The City Manager or his Designee has the authority to:

- 3.1.6.1** Stop the work whenever such stoppage may be necessary to insure the proper execution of the Contract.
- 3.1.6.2** Reject all work that does not conform to the Contract.

3.1.6.3 Resolve questions that arise in the execution of the work.

The City's Representative has the authority to:

3.1.6.4 Reject all work that does not conform to the Contract.

3.1.6.5 Resolve questions that arise in the execution of the work.

3.1.7 *Suspension of Work:* The City may at any time suspend work by giving ten (10) calendar day notice to the Contractor in writing. The City shall reimburse the Contractor for expenses incurred by the Contractor in connection with work under the Contract as a result of such suspension, unless such suspension was caused by actions of the Contractor. However, if the work or any part thereof shall be stopped by a notice in writing aforesaid, and if the City does not give written notice to the Contractor to resume work within thirty (30) calendar days of the date fixed in the written notice to suspend, then the Contractor will be entitled to the estimates and payment for all work done, unless such suspension was caused by actions of the Contractor.

3.1.8 *The City's Right to do Work:* If the Contractor should neglect to prosecute the work properly or fail to perform in accordance with the provisions of this Contract, the City, after three days written notice, may without prejudice to any other remedy it may have, make good any deficiencies and deduct from the payment due the Contractor.

3.1.9 *The City's Right to Terminate Contract:* If the Contractor refuses or fails to complete the work within the time specified for this Contract, or any extension thereof, the City may terminate the Contractor's right to proceed. In such event, the City may take over the work and prosecute the same to completion by the Contract or otherwise and the Contractor will be liable for any excess cost occasioned by the City. The City may take possession of and utilized in completing the work such materials and equipment as may be on the site of the work and necessary therefore.

If the Contractor should be adjudged a bankrupt, or should make a general assignment for the benefit of his/her creditors, or if a receiver should be appointed due to insolvency, or if he/she should refuse or fail, except in cases which time extension is provided to supply enough workmen, or if he/she should fail to make payment to subcontractors for labor and/or material, or disregard laws, ordinances or the instructions of the City, or be guilty of a violation of a provision of the Contract, then the City may, without prejudice to any other right or remedy and after giving seven (7) calendar days' notice, terminate employment of the Contractor and possess materials, tools, and appliances thereon and finish work by methods it may deem expedient. Expenses incurred by the City and the damage incurred through the Contractor's default.

In any circumstance, the City shall have the right to unilaterally cancel, terminate or suspend this Contract, in whole or in part, by providing the Contractor thirty (30) calendar days written notice by certified mail.

In the event of termination, the Contractor shall be entitled to compensation for services rendered and costs incurred through the effective date of termination. All finished or unfinished documents, material, or work shall become the property of the City and shall be delivered to the City without reservation.

3.1.10 *City May Stop the Work:* If the Work is defective, or the Contractor fails to supply sufficient skilled supervisory personnel or workmen or suitable materials or equipment or the work area is deemed unsafe, the City may order the Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, this right of the City to stop the Work shall not give rise to any duty on the part of the City to exercise this right for the benefit of the Contractor or any other party. The City will not award any increase in Contract Price or Contract Time if the Work is stopped due to the circumstances described herein.

3.1.11 City's Decision: The City shall, within a reasonable time after their presentation, make decisions in writing on claims by the Contractor and on all other matters relating to the execution and progress of the work or the interpretation of the Contract Documents.

3.1.12 Authority and Duties of City's Inspectors: The City's Inspectors shall be authorized to inspect all work done and all materials furnished. They shall be authorized to call to the attention of the Contractor any failure of the work or materials to conform to the Technical Specifications and Contract. The presence of the Inspector shall in no way lessen the responsibility of the Contractor.

3.1.13 Inspection of Work: The City and its representative shall at all times have access to the work wherever it is in preparation or progress and the Contractor shall provide proper facilities for such access and inspection. If the Specifications/Conditions, the City's instruction, laws, ordinances or any public authority require any work to be specially tested or approved, the Contractor shall give to the City timely notice of its readiness for inspection and, if the inspection is by an authority other than the City, the date fixed for such inspection. Inspections by the City shall be promptly made and, where practicable, at the source of supply. If any work should be covered up without approval or consent of the City, it must, if required by the City, be uncovered for examination at the Contractor's expense. Re-examination of questioned work may be ordered and the work must be uncovered by the Contractor.

3.1.14 Contractor's Supervision and Employees: The Contractor shall supervise, inspect, and direct the work completely and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the work in accordance with the Contract Documents. The Contractor shall be solely responsible for the means, methods, techniques, sequence and procedures necessary for the orderly progress of the work, and to maintain all safety precautions and programs incidental thereto. The Contractor shall at all times enforce strict discipline and good order among his/her employees, and shall not employ any unfit person or anyone unskilled in the work assigned to him/her. The Contractor shall be responsible to see that the completed work complies fully with the Contract Documents.

As the work progresses, the Contractor shall keep on the job at all times an English speaking Superintendent or designee, technically qualified, who is an employee of the Contractor and who shall not be replaced without written notice and approval of the City. The Superintendent will be the Contractor's representative on the job and shall have authority to act on behalf of the Contractor. The Superintendent or his/her qualified designee shall be present at the job site and direct the work of subcontractors, as well as employees of the Contractor. This supervisor will be equipped with a communication device enabling him/her to contact suppliers, subcontractors or his/her office who in turn can convey necessary communications to others. All communications given to the Superintendent shall be as binding as if given to the Contractor. The Contractor shall issue all communications to the City or his/her representative.

The Contractor's Superintendent shall be present on the job site at all times while work is in progress, and shall be available by phone for emergencies twenty-four hours per day, seven days per week. Failure to observe this requirement shall be considered suspension of the work by the Contractor until such time as such Superintendent is again present on the job.

If the Contractor, in the course of the work, finds any discrepancy between the drawing and the physical conditions of the site, or any errors or omissions in drawing, or in the construction layout points and instructions, he/she shall immediately inform the City, in writing, and the City shall promptly verify same. Any work done after such discovery will be done at the Contractor's risk.

Neither party shall employ or hire any employee of the other party without the concurrence of each party.

3.1.15 Contractor's Understanding: It is understood and agreed that the Contractor has, by careful examination, satisfied himself/herself as to the nature and locations of the work, the conformation of the ground, the character, quality, and quantity of materials to be encountered, the character of equipment and facilities needed prior to and during prosecution of the work under this Contract. No verbal agreement or conversation with any officer, agent, or employee of the City, either before or after execution of this Contract, shall affect or modify the terms or obligations herein contained.

3.1.16 Permits and Regulations: Permits and licenses necessary for the prosecution of the work shall be secured and paid for by the City, unless otherwise specified. The Contractor shall give all notices and comply with all laws, ordinances, rules, and regulations bearing on the conduct of the work as drawn and specified. If the Contractor observes that the specifications and drawings are at variance therewith, he shall promptly notify the City in writing, and any necessary changes shall be adjusted as provided in the Contract for changes in the work. If the Contractor performs any work knowing it to be contrary to such laws, ordinances, rules, and regulations, and without such notice to the City, he/she shall bear all costs arising there from.

3.1.17 Protection of Work and Property: The Contractor shall continuously maintain protection of all his/her work from damage and shall protect the City's property from injury or loss arising in connection with this Contract. He/she shall adequately protect adjacent property as provided by law and the Contract Documents. He/she shall provide and maintain all passageways, guard fences, lights, and other facilities for protection required by public authority or local conditions. In an emergency affecting the safety of life or of the work, or of adjoining property, the Contractor, without special instruction or authorization from the City, is hereby permitted to act, at his discretion, to prevent such threatened loss or injury, and he/she shall so act, without appeal, if so instructed or authorized. Any compensation claimed by the Contractor on account of emergency work shall be determined by agreement between the Contractor and the City.

The Contractor shall not occupy private land outside of any easements or rights of way unless a written authorization has been signed by the property owner. It shall be the Contractor's responsibility to provide these agreements prior to construction, if required. Prior to the use of private lands, the Contractor shall submit a copy of the agreement(s) to the City. In the event the Contractor uses private property for any purpose without first having obtained the necessary approvals from the property owner and provided the necessary agreements to the City, the City will direct the Contractor in writing to immediately cease using such property.

Prior to application for final payment, the Contractor shall provide documentation from the owner of each piece of private property for which an agreement for use was provided, or for which the City has issued written notification to the Contractor, that each owner is satisfied with the manner in which the Contractor has restored the property. Final payment or reduction in retainage shall not be paid until such documentation is received by the City.

3.1.18 Changes in the Work: The City, without invalidating the Contract, may order extra work or make changes by altering, adding to or deducting from the work, the Contract sum being adjusted accordingly. Such work shall be executed under the conditions of the original Contract. The change and amount of compensation must be agreed upon in writing in a document of equal dignity herewith prior to any deviation from the terms of this Contract.

In giving instructions, the City shall have authority to make minor changes in the work, not involving extra cost, and not inconsistent with the purposes of the work. Except in an emergency endangering life or property,

no extra work or change shall be made unless in pursuance of a written order by the City; and no claim for an addition to the Contract sum shall be valid, unless ordered. Value of any such extra work or change shall be determined in one or more of the following ways:

- 3.1.18.1** By unit prices named in the contract.
- 3.1.18.2** By Change Order executed by City Manager.
- 3.1.18.3** By cost and percentage or by cost and a fixed fee.
- 3.1.18.4** By estimate and acceptance in a lump sum.
- 3.1.18.5** By Contingency Authorization (executed by City Manager).

If none of the previous methods are agreed upon, the Contractor, provided he/she receives an order as above, shall proceed with the work. In such case and also under case, he/she shall keep amendment in such form as the City may direct, a correct amount of the net cost of labor and materials, together with vouchers. The City shall certify to the amount, including reasonable allowance for overhead and profit, due to the Contractor. Pending final determination of value, no payment on changes shall be made. When requiring a change in the scope of services the Contractor shall notify the City by written notice that a change order is requested within five (5) days of any occurrence.

3.1.19 Deductions for Uncorrected Work: If the City deems it inexpedient to correct work injured or done not in accordance with the Contract, an equitable deductions from the Contract price shall be made thereof.

3.1.20 Delays and Extension of Time: If the Contractor should be delayed at any time in the progress of work by any act of neglect of the City or of its employees or by any other Contractor employed by the City, or by changes ordered in the work, or by such causes beyond the Contractor's control, or by delay authorized by the City, or by any cause which the City shall decide to justify the delay, then the time of completion shall be extended for such reasonable time as the City may decide. However, no time delay shall be allowed if judged by the City to be caused by the Contractor's negligence.

No such extension shall be made for delay occurring more than seven (7) calendar days before claim therefore is made in writing to the City. In the case of a continuing cause of delay only one (1) claim is necessary. This article does not exclude the recovery of damages for delay by either party under other provisions in the Contract Documents.

3.1.21 Correction of Work Before Final Payment: All work, materials, whether incorporated in the work or not, all processes of manufacturer, and all methods of construction shall be at all times and places subject to the inspection of the City who shall be the final judge of quality and suitability of the work, materials, processes of manufacture, and methods of construction for the purposes for which they are used. Should they fail to meet City's approval; they shall be forthwith reconstructed, made good, replaced, and/or corrected, as the case may be, by the Contractor at his/her own expense. Rejected material shall be immediately removed from the site. If, in the opinion of any portion of the work injured or not performed in accordance with the Contract Documents, the compensation to be paid to the Contractor hereunder shall be reduced by such amount as in the judgment of the City to be equitable.

3.1.22 Contractor Right to Stop Work or Cancel Contract: If the work should be stopped under an order of any court or other public authority for a period of three (3) months through no act or fault of the Contractor or of anyone employed by him, or if the City fails to pay the Contractor within thirty (30) calendar days of maturity and presentation of any sum certified by the City, then the Contractor may, upon seven (7) calendar days written notice to the City, stop work and terminate this Contract.

3.1.23 Removal of Equipment: In the case of annulment of this Contract before completion from any cause whatever, the Contractor, if notified to do so by the City, shall promptly remove any part or all of his equipment and supplies from property of the City and/or site of work, failing which the City has the right to remove such equipment and supplies at the Contractor's expense.

3.1.24 Use of Completed Portions: The City has the right to take possession of and use any completed or partially completed portions of the work, notwithstanding the time for completing the entire work of such portions may not have expired, but taking possession and use shall not be deemed an acceptance of any work not completed in accordance with the Contract Documents. If such prior use increases the cost of or delays the work, the Contractor shall be compensated as the City may determine and the City approves.

3.1.25 Payments Withheld: The City may withhold payment to the Contractor from loss on account of:

- 3.1.25.1** Defective Work not remedied; Reference FDOT section 9-5.3, FDOT Standard Specifications for Road and Bridge Construction manual dated 2017.
- 3.1.25.2** Claims filed or evidence indicating probable filing of claims; Reference FDOT sections 5-12, FDOT Standard Specifications for Road and Bridge Construction manual dated 2017.
- 3.1.25.3** Failure of the Contractor to make payment properly to Subcontractors or for material/labor; Reference FDOT section 9-5.6, FDOT Standard Specifications for Road and Bridge Construction manual dated 2017.
- 3.1.25.4** A reasonable doubt that the Contract can be completed for the balance then unpaid.
- 3.1.25.5** Damage to another Contractor
- 3.1.25.6** When the above grounds are removed, payment shall be made for amounts withheld because of them.

3.1.26 Damages: Any claim for damage arising under this Contract shall be made in writing to the party liable within a reasonable time of the first observance of such damage and not later than the time of final payment, except as expressly stipulated otherwise in the case of faulty work, and shall be adjusted by agreement.

3.1.27 Assignment: Neither party to the Contract shall assign the Contract or sublet it as a whole without the written consent of the other, nor shall the Contractor assign any monies due or to become due to him/her hereunder without the previous written consent of the City.

3.1.28 Right of Various Interests: Before work being done by the City's forces or by other Contractor's forces, contiguous to work covered by this Contract, the respective rights of the various interests involved shall be established by the City before such commencement, to secure the completion of the various portions of the work in general harmony.

3.1.29 Separate Contracts: The City reserves the right to let other Contracts in connection with this work. The Contractor shall afford other Contractors reasonable opportunity for the introduction and storage of their materials and execution of the work, and shall properly connect and coordinate his/her work with theirs. If any part of the Contractor's work depends on proper execution or results upon the work of any other Contractor, the Contractor shall inspect and promptly report to the City any defects in such work that render it unsuitable for such proper execution and results. His/her failure to so inspect and report shall constitute an acceptance of the other Contractors, work as fit and proper for the reception of his work, except as to defects, which may develop on the other Contractor's, work after execution of his work.

3.1.30.1 Subcontractors: The Contractor shall provide a list of Subcontractors with his/her proposal for approval. The Contractor agrees that he/she is as fully responsible to the City for the acts and omissions of his/her Subcontractors and of persons either directly or indirectly employed by them as he/she is for the acts and omissions of persons directly employed by him/her. Nothing contained in the Contract documents shall create any Contractual relationship between any Subcontractor and the City.

Substitutions must be submitted in writing and shall be subject to the approval by the City. To insure proper execution of his/her subsequent work, the Contractor shall measure work already in place and shall at once report to the City any discrepancy between the executed work and the drawings.

3.1.31 Horizontal and Vertical Control: Unless noted otherwise in the Contract documents, the Contractor shall be responsible for the layout of all Contract work. The Contractor shall employ or retain any/all professional services that are required by the Contract to complete the work. The Contractor shall carefully preserve benchmarks, reference points and stakes, and, in case of willful or careless destruction, be responsible for any mistakes that may be caused by their unnecessary loss or disturbance.

3.1.32 Lands for Work: The City shall provide the lands upon which the work under this Contract is to be done, except that the Contractors shall provide land required for the erection of temporary construction facilities and storage of material, together with the right of access to same.

3.1.33 Cleaning Up: The Contractor shall, at such times as may be required by the City, remove from the City's property and from all public and private property, at his/her own expense, all temporary structures, used materials and equipment, rubbish and waste materials resulting from his/her operations. All damaged areas will be restored by the Contractor to their original conditions and approved by the City. By submission of a bid, the Contractor assumes full responsibility for the associated expenses. There shall not be an increase in time or price associated with such removal, and payment to Contractor may be withheld until such work is completed.

3.1.34 Guarantee: The Contractor shall warrant all equipment furnished and work performed by him/her for a period of one (1) year from the date of written acceptance of the work, final completion by the City or as may be otherwise specified. Any faulty work or equipment will be fully corrected at no cost to the City and restored work will be warranted for one year from the date of acceptance, or as may be otherwise specified. This will not release additional warranties required by other sections or provided by individual suppliers.

The making and acceptance of final payment shall not waive any claim for faulty work appearing after final payment or for failure to adhere strictly to the Contract documents. If any part of the project is guaranteed for a longer period, such longer period shall prevail. Except as otherwise specified, all work shall be guaranteed by the Contractor against defects resulting from use of inferior materials, equipment or workmanship for one (1) year from the date of completion or written acceptance by the City, whichever is later.

3.1.35 Responsibility Regarding Existing Utilities and Structures: The existence and location of underground utilities indicated on the plans are not guaranteed and shall be investigated and verified in the field by the Contractor before submitting a bid. Excavation in the vicinity of existing structures and utilities shall be done by hand. The Contractor shall be responsible for any damage to, and for maintenance and protection of, existing utilities and structures from any damage resulting from said excavation. The Contractor is to include within his line item bid prices the costs to protect, support and/or move (whether shown or not shown on the proposed project set of plans) all underground utilities, which may be in conflict with the

construction of the proposed project. Any necessary relocation of CNP Utilities will be paid as additional work documented by change order in accordance with TS-22.

3.1.36 Accidents: The Contractor shall provide equipment and medical facilities as necessary to supply first aid to anyone who is injured in connection with the work. The Contractor must promptly report in writing to the City accidents arising out of, or in conjunction with the performance of the work, whether in, or adjacent to, the site, which causes death, personal injury, or property damages, giving full details and statements of witnesses. If death or serious injuries or serious damages are caused, the accident shall be reported immediately by telephone or messenger to the City. If a claim is made by anyone against the Contractor or Subcontractor on account of an accident, the Contractor shall promptly report the facts in writing to the City, giving full details of the claim.

3.1.37 Stage Plans: Stage plans of structural alterations, cofferdams, dredging, furnished or approved by the City, shall be adhered to unless objected to in writing by the Contractor, but the submission or approval of stage plans by the City shall not relieve the Contractor of full responsibility for the work.

3.1.38 Measurement of Quantities: The quantities of work performed will be computed by the City on the basis of measurement taken by the City or its assistants, and these measurements shall be final and binding. All work computed under the Contract shall be measured by the City according to the United States Standard Measurement and Weights. The City does not assume any responsibility that the final quantities will remain in accord with estimated quantities, nor shall the Contractor claim misunderstanding or deception because of such estimate of quantities.

The estimated quantities of work to be done and material to be provided may be increased, decreased, or omitted, as provided herein. Any increase in quantities shall be approved by the City prior to any work.

3.1.39 Reference to Other Specifications: Where reference is made to specifications such as ASTM, AWWA or AASHTO, the latest edition shall be used.

3.1.40 Sanitary Facilities: The Contractor shall provide and maintain, in a sanitary condition, facilities for his/her employees as are required by local and state boards of health.

3.1.41 Quality of Equipment and Materials: To establish standards of quality, the City may, in the specifications, refer to products by name and/or catalog number. This procedure is not to be construed as eliminating from competition other products of equal quality by other manufacturers where fully suitable in design.

3.1.41.1 The Contractor shall furnish a complete list of proposed desired substitutions prior to signing of the Contract together with such engineering and catalog data as the City may require.

3.1.41.2 The Contractor shall abide by the City's judgment when proposed substitute items of equipment are judged unacceptable and shall furnish the specified item of equipment in such case. All proposals for substitutions shall be submitted in writing by the General Contractor. The City will approve or disapprove proposed substitutions in writing within a reasonable time.

3.1.42 Codes and Laws: The successful bidder shall comply with all Federal, State, Local Laws and Ordinances that affect the Contract in any way.

3.1.43 Traffic Control: The Contractor shall comply with the "Manual on Uniform Traffic Control and Devices" and maintain safe conditions at all times.

3.1.44 Exploration and Reports: If reference is made to identification of reports of explorations and tests of subsurface conditions at the site that have been used in preparing the Contract documents, it should be understood that these reports are not part of the Contract documents. The Contractor shall have full responsibility with respect to subsurface conditions at the site. Technical data, made available only at the Contractor's request, may not be sufficient for construction purposes. Additional investigations may be necessary for the purposes of carrying out the construction project. If the Contractor desires additional subsurface investigation, it will be done at his/her expense, prior to bidding. Limited Subsurface reports for this project are available through the Utility Department.

If the Contractor has elected not to make subsurface investigation prior to bidding, he/she shall not be entitled to any extra compensation or Contract change orders due to conditions encountered.

3.1.45 Existing Structures: Drawing of physical conditions in or relating to existing surface and subsurface structures which are at or contiguous to the site that have been utilized by the consultant and/or the City in preparation of the Contract documents. The Contractor may rely upon the accuracy of the technical data contained in such drawing but not for the completeness thereof for the purpose of preparing or submitting a bid. Except as previously indicated, the Contractor shall have full responsibility with respect to physical conditions in or relating to such structures.

3.1.46 Report of Differing Conditions: If the Contractor believes that any technical data on which he/she relies is inaccurate, or if any physical conditions uncovered or revealed at the site differ materially from that indicated, reflected, or referred to in the Contract documents, the Contractor shall promptly, after becoming aware and before performing any work in connection therewith (except in emergency situations), notify the City in writing about the inaccuracy of difference. The City will promptly review the pertinent conditions, determine the necessity of obtaining additional explorations or tests with respect thereto and advise the City in writing (with a copy to the Contractor) of the City's findings and conclusion.

3.1.47 Not Shown or Indicated: If an underground facility is uncovered or revealed at or contiguous to the site, which was not shown or indicated and of which the Contractor could not reasonably have been expected to be aware, the Contractor shall promptly, before performing any work (except in emergencies), identify the owner of such underground facility and give written notice thereof to that owner and to the City. The Contractor will review the underground facility to determine the extent to which the documents should be modified to reflect and substantiate the consequences of the existence of the underground facility. With City approval, the Contract documents will be amended or supplemented to the extent necessary. During such time, the Contractor shall be responsible for the safety and protection of such underground facility. The Contractor shall be allowed an increase or an extension of time, or both, to the extent that they are attributable.

3.1.48 Progress Meeting: Progress meetings will be conducted weekly or as required if requested by Contractor or the City.

End of General Provisions/ END OF SECTION II

SECTION III. SPECIAL PROVISIONS

SP-01 INTENT: The purpose of this project is to obtain a Contractor to resurface approximately 45 miles of City roadways listed in “Attachment A” requiring stormwater improvements, milling and resurfacing in areas identified as part of the 2018 Routine Road Maintenance Project. West Price Boulevard as part of the annual maintenance resurfacing is also included as “Attachment C” and will be administrated through this contract with separate pay quantities. Each roadway is listed in Attachments, which identifies the roadways to be paved and estimated quantities for Pay Items for that particular roadway. The Contractor shall furnish all materials, equipment, labor and operations necessary to complete the work.

The work specified herein shall consist of furnishing all supervision, labor, equipment, material and any incidentals required for the successful completion of all work as specified herein. All work shall conform within the limits as specified and shown and be in conformance with the appropriate Technical Specifications as specified herein. The Contractor shall be responsible for traffic control, the restoration of existing street signs, traffic control signs, mailboxes and any other appurtenances disturbed during construction.

SP-02 EQUIPMENT: The Contractor shall only use equipment, machines, or combination of machines that are in good and safe working condition. The equipment shall produce results that meet or exceed the Technical Specifications stated herein. Special attention is directed to pavers capable of achieving desired application rates, specified cross slope and necessary joint matching through the use of the latest electronic technology available.

Equipment incapable of providing this will not be acceptable for use on this Project. The Contractor shall utilize compaction equipment, which will produce the required density in accordance with FDOT Specifications. The Contractor shall not use equipment which is unsafe or in need of repair. Work completed with equipment, which is not properly functioning, shall be deemed unacceptable. The Contractor shall also conform to FDOT Specification, Section 100.

SP-03 CONSTRUCTION SCHEDULE: The time for the completion of the 2018 Road Maintenance Project work shall be **240 calendar days** from date specified in the Notice to Proceed to final completion. **Note this contract contains a finish milestone of May 31, 2018 for work on W. Price Boulevard. W. Price Boulevard also contains night work lane closures from 7:00 P.M. to 6:00 A.M.** Contractor shall ensure that all work will be completed within the specified time without exception with a schedule showing completion within established constraints that will become the baseline for future updates. Updated schedules must identify any activities delayed and impacts to the progression of work with remedial action plans for recovery or adjustments. After a baseline schedule is submitted and approved consideration for significant changes in the Construction Schedule by Contractor must be justified and warranted before adopted.

The proposed production schedule shall be submitted a minimum of one (1) week prior to submitting the monthly invoices, as required under Special Provisions. Invoices will be rejected if the schedule is not included.

SP-04 PRE-CONSTRUCTION CONFERENCE: A Pre-Construction Conference will be held, at which time the Contractor shall submit the following for the City’s approval or acceptance:

- A telephone list specifying the name, address, phone number and cellphone numbers of all subcontractors or suppliers to be used on this project. If the Contractor proposes to subcontract the survey work, the Contractor shall include the registration number of the surveyor. The telephone list shall also include emergency telephone numbers. The Contractor shall include a 24-hour emergency telephone or beeper

number for the City's use, which the Contractor shall update as necessary throughout the project. The Contractor shall request, in writing, any changes in subcontractors or suppliers. No change in subcontractors or suppliers shall be made without written consent from the City.

- In addition to the telephone and facsimile numbers, the Contractor shall provide an e-mail address where emails can be sent. The e-mail address must be monitored at least daily and capable of transferring electronic files.
- The Contractor shall include in his telephone list, a cellphone list and the name of a Traffic Technician, either employed by the Contractor or retained for this project. The Traffic Technician shall have successfully completed an FDOT approved Training Course for Intermediate - Work Zone Traffic Control. This is mandatory for all persons engaged in setting up a Maintenance of Traffic Plan. The Contractor shall include a 24-hour emergency telephone or beeper number for the City's use to contact the Traffic Technician.
- The source of materials for the borrow material. The Contractor shall not change these sources without written consent from the City.
- A copy of the haul routes the Contractor intends to use. The Contractor shall not use bridges that are posted with weight restrictions, which may be exceeded in weight by equipment and materials. The City will not pay for material provided by the Contractor that is delivered to the jobsite on vehicles that have exceeded the posted weight restrictions on a City owned bridge structure.
- The Contractor shall submit to the City a list of equipment the Contractor proposes to utilize on this project.
- The Contractor shall submit for City approval a paper copy and electronic copy of a Construction Schedule prepared using City approved software, and a Schedule of Progress Payment Requests.
- The Contract shall also submit all other materials or mix designs, which will be used by the Contractor for this Contract.

No work shall start until all submittals have been accepted by the City. Once approved, no changes will be allowed without the written approval of the City.

SP-05 WEEKLY PROGRESS MEETING: The Contractor shall designate a representative to attend Progress Meetings held at City Public Works Department, 1100 North Chamberlain Blvd., North Port Florida 34286, or a mutually agreed location. The Contractor shall submit, at each meeting, revised schedule information, a written projected schedule for the next week, written claims for additional compensation, written claims for rain days to extend the Contract, results of all testing and Value Engineering Proposals. The City will use the update schedule information to monitor the Contractor's production rate. Upon written notice from the City, the Contractor shall dedicate additional resources to increase the production rate such that the Contractor will be back on schedule. Failure to comply with the approved Construction Schedule shall result in the Contractor being considered in default and subject to suspension of this Contract.

SP-06 COOPERATION WITH UTILITIES: The Contractor shall notify all utility owner(s) affected by the construction prior to beginning work. Any expense of utility repair or other damage due to Contractor's operations shall be borne by the Contractor. Protection of utilities shall be the responsibility of the Contractor, who shall provide adequate protection to maintain proper service.

NOTE: The Contractor is to include within his line item bid prices, the costs to protect, and/or support, all underground utilities, which may be in conflict with the construction of this proposed project.

Attention is called to the Florida Underground Facility Damage Prevention and Safety Act defined in Florida Statute 240. This act provides for a "One Call Toll Free" telephone number to be used by all parties doing excavation, demolition or other underground construction.

The Contractor shall not apply the surface course until all manholes, valve covers and survey monument boxes necessary to be reset have been reset by the Contractor. Utilities located within the City's right-of-way are required to furnish adjustment rings and risers. The Contractor shall request from the utilities the necessary materials; however, the Contractor shall bear all costs necessary to complete the adjustments. The Contractor shall be responsible for maintaining the specified thickness of the final course of asphalt while resetting the manholes, valve covers and survey monument boxes to within $\pm 1/4$ inch tolerance. The Contractor shall bear all costs necessary to correct manholes, valve covers, and survey monument boxes not reset to within the specified tolerances. The Utility contact person for the City is Darrell Smith, CNP Utility Construction Coordinator located at CNP Utility Department, 6644 W. Price Blvd. telephone number 941-240-8021.

SP-07 COORDINATION WITH CULVERT REPLACEMENTS: The Contractor shall coordinate the resurfacing of roadways so that any proposed storm sewer pipe replacements can be completed prior to any resurfacing work and accepted. No paving shall commence on a roadway until advised that the associated storm sewer pipe replacement is complete. The Contractor shall notify Public Works 48 hours prior to starting work. No additional compensation or Contract time will be provided to the Contractor for coordinating this work.

SP-08 CONTRACT TIME: The Contractor specifically agrees that it will commence operations within a mutually agreed upon time following notification by the City to commence work and that all work to be performed under the provisions of this Contract shall be completed in not more than **240 calendar days** from the Notice to Proceed; subject only to delays caused through no fault of the Contractor or acts of God. The work will be substantially completed within 240 calendar days; with final completion within fifteen (15) calendar days after attaining Substantial Completion. Time is of the essence in the performance of this Contract.

FINISH MILESTONE W. PRICE BOULEVARD: A finish milestone of May 31, 2018 is set for substantial completion of W. Price Boulevard. All work identified in the contract for W. Price Boulevard shall be substantially completed by May 31, 2018. W. Price Boulevard lane closure work shall be performed at night between the hours of 7:00 P.M. and 6:00 A.M.

SP-09 LIQUIDATED DAMAGES: The work shall be completed within the contract time specified. The contract time shall include the preparation, submittal, review and approval of submittals, delivery of materials, and construction, assembly, adjustment and placement into service for beneficial use of all facilities covered under this Contract.

The City of North Port shall issue a Notice of Substantial Completion when it has determined that the work identified in the contract has been substantially completed; record drawings have been submitted and approved by the City and that the facility is operating satisfactorily. The contract time also includes up to fourteen (14) calendar days for the review of submittals, excluding pay requests, by the City of North Port. The City of North Port shall provide the Contractor with a punch list within two (2) calendar days after the Notice of Substantial Completion is issued. The punch list will identify the remaining items that must be addressed to the satisfaction of the City of North Port by the Contractor to meet his/her obligations under the contract. The Contractor shall complete the items on the punch list to the satisfaction of the City of North Port within fifteen (15) additional calendar days of the issuance of the Final Punch List or Notice of Substantial Completion; whichever, is later, and prior to submittal of the application for reduction of retainage or final payment. Any cost incurred by the City (i.e. inspection time) after the fifteen (15) calendar day period shall be charged to the Contractor.

The City and the Contractor hereby agree that time is of the essence on this Contract and the City will suffer damages if the work is not substantially completed within the contract time, plus any extensions thereof allowed by Change Order. It is further recognized and agreed by the City and the Contractor that the determination of the exact value of the damages the City would suffer due to a delay in the Substantial Completion of the work would be a difficult, time consuming and costly process. It is therefore hereby agreed by the City and the Contractor that it is in their mutual interest to establish a figure of **TWO THOUSAND EIGHT HUNDRED ELEVEN DOLLARS (\$2,811.00)** as Liquidated Damages

(but not as a penalty) as specified in section 8-10 of FDOT Standard Specifications dated July 2017, to be paid by the Contractor to the City for each calendar day that Substantial Completion is delayed beyond the Contract Time. It is mutually agreed by the City and the Contractor that neither shall make any claim to increase or reduce the amount to be paid under Liquidated Damages as the result of any calculation of actual damages suffered by the City as the result of delay in the Substantial Completion of the work.

SP-09 ADDITIONAL LIQUIDATED DAMAGES FOR W. PRICE BOULEVARD: The City and the Contractor hereby agree that time is of the essence to complete work on W. Price Boulevard and the City will suffer damages if the work is not substantially completed by May 31, 2018, plus any extensions thereof allowed by Change Order. It is further recognized and agreed by the City and the Contractor that the determination of the exact value of the damages the City would suffer due to a delay in the Substantial Completion of the work would be a difficult, time consuming and costly process. It is therefore hereby agreed by the City and the Contractor that it is in their mutual interest to establish a figure of **SEVEN HUNDRED SIXTY-THREE DOLLARS (\$763.00)** as Liquidated Damages (but not as a penalty), to be paid by the Contractor to the City for each calendar day that Substantial Completion of W. Price Boulevard is delayed beyond May 31, 2018. It is mutually agreed by the City and the Contractor that neither shall make any claim to increase or reduce the amount to be paid under Liquidated Damages as the result of any calculation of actual damages suffered by the City as the result of delay in the Substantial Completion of the work.

SP-10 DAMAGES: Areas adjacent to the construction that are damaged shall be repaired at the Contractor's expense. Restoration of adjoining areas shall be equal to or better than original condition and to the satisfaction of the City. Protection of personal property, utilities, structures, mailboxes, sprinkler systems, conduits, trees, and shrubs shall be the responsibility of the Contractor, who shall provide adequate protection to maintain proper service. Mailboxes shall be kept in service to the satisfaction of the US Postal Service and the City, until they are permanently restored to their proper location upon the completion of the work.

SP-11 TESTING: Minimum test(s) or testing to be furnished by the Contractor - The Contractor shall furnish tests for Hot Mix Asphaltic Concrete Type SP fine (HMA) delivered to the project in accordance with the City of North Port Asphalt Specification Attachment D. A Contractor's in-house laboratory is acceptable for testing if submitted test reports are accompanied with evidence of laboratory certification by the Florida Department of Transportation.

SP-12 BITUMINOUS MATERIAL PAYMENT ADJUSTMENT: Prepare a Contractor's Certification of Quantities, using the FDOT's current approved form for Superpave Asphalt Concrete. Submit this certification to the Engineer monthly or as directed by the Engineer, based on the quantity of asphalt produced and accepted on the roadway per Contract. Ensure the certification includes Certification Date, the period the certification represents and the tons produced for each asphalt pay item.

On Contracts having more than 5,000 tons of asphalt concrete, City of North Port will calculate the price for bituminous material to reflect increases or decreases in the Asphalt Price Index (API) of bituminous material from that in effect during the month in which bids were received. Bituminous adjustments will be made only when the current API (CAPI) varies by more than 10% of the API prevailing in the month when bids were received (BAPI), and then only on the portion that exceeds 10%.

The API will be available on the FDOT Construction Office website for each month at the following URL:
<http://www.dot.state.fl.us/construction/fuel&Bit/Fuel&Bit.shtm>.

Superpave asphalt bid items will be calculated to reflect adjustments in the prices for bituminous materials in accordance with the following:

$$\text{\$ Adjustment} = (\text{ID})(\text{Gallons})$$

Where $ID = \text{Index Difference} = [CAPI - 0.90(BAPI)]$ when the API has decreased between the month of bid and month of this progress estimate.

Where $ID = \text{Index Difference} = [CAPI - 1.10(BAPI)]$ when the API has increased between the month of bid and month of this progress estimate.

Adjustments will be calculated to reflect the index difference at the time work was performed.

For asphalt concrete items payable by the ton, the number of gallons will be determined using the mix design with AC% content (minus RAP AC) liquid asphalt weighing 8.58 lb./gal. Bituminous material payment adjustment shall be paid by Change Order at the completion of the Contract or shall be deducted from the Retainage.

SP-13 CONTINUOUS PROSECUTION OF WORK: The Contractor shall continuously prosecute the work in accordance with the Contract Documents. Upon written direction from the City, the Contractor shall remove any personnel for the duration of the Contract, who fails to comply with the Contract Documents. Prior to resurfacing, the Contractor shall fill and compact all potholes or other surface distortions in such a manner as to preclude any deflection in wearing surface on all roadways that are to be overlaid and that are a part of this contract unless agreed and approved by the Public Works Department.

Once commencing paving work for each individual roadway begins, the operation must be continuously prosecuted during normal duty hours to its completion. The Contractor shall not interrupt work on a roadway once the process of tack coating and/or paving has begun. The Contractor shall not demobilize forces if a roadway is not completely paved (i.e. one lane or portion of a lane) unless agreed and approved by the Public Works Department.

Shoulder work for each individual roadway, to include clip-back to expose the true edge of pavement, is not to begin sooner than seven (7) calendar days prior to the paving of each individual roadway. The Contractor shall be responsible for the removal and disposal of materials. Restoration and cleanup for each individual roadway must begin no later than seven (7) calendar days after completion of the paving of each individual roadway. This work shall be continuously prosecuted to its completion. Invoices will not be approved until such time that all restoration, including sodding and shoulder work, has been completed for paving operations unless the delay in restoration resulted from conditions beyond the control of the Contractor, as determined by the City.

Correction of safety concerns will be given priority and shall be corrected as soon as practicable, but not later than 24 hours after discovery by the City and notification to the Contractor. Failure to comply with these Provision and/or Technical Specification shall result in the Contractor being considered in default and subject to suspension of this contract.

SP-14 SAFETY: The Contractor shall at all times take every available precaution to safeguard the Public. The Contractor's personnel shall fully comply with the approved Maintenance of Traffic (MOT).

Contractor shall communicate with the Inspector and act courteously with the Public. All personnel working within the City's right-of-way shall at all times wear City approved safety vests, including personnel who may only briefly be out of their vehicle (i.e., supervisors, truck drivers). The Contractor shall not remove any traffic controls, including off-duty officers and flaggers without permission of the City Inspector until the roadway is completely ready for traffic; therefore, the Contractor shall have personnel on-site until all temporary striping is completed. No open excavations are allowed in the project. Any pipe installation shall be backfilled properly the same day of work on such pipe area to allow safe passing of pedestrians and vehicles. The Contractor shall immediately remove any personnel who fail to conform to this requirement.

SP-15 CONTRACTOR'S RESPONSIBILITY OF EXISTING CONDITIONS: The plans, technical specifications, and other documents provided are intended to provide the Contractor with known conditions of the existing site and proposed work area. The Contractor is responsible to conduct any and all investigation, survey, or other activities required to fully understand the existing site and conditions that will be encountered during the project, and on which their bid will be based. Additional investigations may be necessary for the purposes of carrying out the construction project. If the Contractor desires additional below water and subsurface investigation, it will be done at Contractor's expense, prior to bidding. The City of North Port will not consider or approve any claim for additional time or monetary compensation submitted by the Contractor caused by unknown site conditions or a failure by the Contractor to fully investigate and understand the full extent and nature of the work. This includes, but is not limited to, existing utilities, subsurface conditions, existing creek bottom conditions (rock, rubble, etc.), de-mucking required to achieve proper construction, limited access, and water flow.

SP-16 ROADWAY PREPARATION: The Contractor shall inspect all roadways prior to bidding this project. For all roadways where brush has overgrown onto the roadways, the Contractor shall be responsible for cutting back and removal of brush to clear the road necessary for the paving operation. Unit quantities shown on the Road Inventory Lists are approximate; the City will delineate the extent of asphalt removal and base repair areas. The City Inspector shall be the sole judge of the limits of the asphalt to be removed and base to be repaired. To allow for the asphalt base to sufficiently cool, all base repairs shall be completed at least 24 hours prior to resurfacing the roadway. The Contractor shall be paid for this work based on the quantity of work completed and approved. Unit quantities of milling shown on the Road Inventory Lists are approximate; The City will delineate the extent of milling for the roads that are required to be milled. The Contractor shall confer with the City Inspector prior to milling to determine the extent of the milling. The Contractor shall inspect the areas to be milled prior to scheduling this work.

SP-17 VEGETATION REMOVAL: The preparation of the roadway includes clipping the vegetation away from the edge of the pavement to expose the "true" edge of the roadway. In areas where the "true" edge of pavement is not clearly evident, the City will be the sole judge of determining the "true" edge of pavement. The Contractor shall then completely kill and remove all vegetation within the roadway. The Contractor shall apply herbicides to kill the vegetation, allowing sufficiently time for the herbicides to completely kill the vegetation prior to placing the asphalt. When the Contractor fails to coordinate the application of the herbicide with his paving operation, additional measures, including the mechanical removal of the vegetation, will be required to completely kill and remove the vegetation. Vegetation kill shall be reviewed and accepted for each roadway by the City Inspector prior to the Contractor resurfacing the roadway. The City inspector will notify the Contractor in writing or via e-mail for roadways where vegetation kill is not acceptable. The Contractor accepts all responsibility for placing asphalt on roadways where the City has not accepted the vegetation kill. Prior to placing any asphalt the Contractor shall acknowledge receipt of the City's notification. Failure to acknowledge receipt will result in non-payment for the asphalt placed until 60 days after resurfacing, at which time the City shall inspect the roadway and determine if it is acceptable for payment. For roadways where the Contractor has acknowledged receipt of the City notice but he has chosen to pave the unaccepted roadway, the City may withhold payment for up to 60 days after resurfacing, at which time the City shall inspect the roadway and determine if it is acceptable for payment. Vegetation growing through the newly placed asphalt will be promptly eradicated by the Contractor. The Contractor shall bear all cost of repairing damage to the newly resurfaced roadways as delineated by the City, including but not limited to removal of the asphalt and resurfacing as specified herein. The cost of vegetation removal shall be incidental to the roadway resurfacing.

SP-18 PHOTOGRAPHIC DOCUMENTATION: The Contractor will provide 8"x10" color photographs of the project "just before construction" and for unusual conditions during construction. The photographs will show pertinent physical features along the entire line of construction before construction begins. The Contractor will furnish two copies of all pictures to the City's representative. Videotape is acceptable in lieu of photographs.

SP-19 PAVING: Hot Mix Asphalt (HMA) may be used on all facilities to be paved. ~~WMA technologies shall be restricted to chemical additives approved by the Florida Department of Transportation and shall be capable of reducing the mixture compaction temperature by a minimum of 50° F.~~ Additives also containing anti-stripping properties are preferred. All paving shall be in accordance with Attachment D the City of North Port Asphalt Specification. Application rates specified for the Road Inventory Lists are approximate. The City Inspector will determine the final application rate in the field prior to resurfacing. The Contractor is responsible for achieving the requested rate. The City retains the right to alter quantities in this contract without requiring a supplemental agreement. The Contractor shall accept payment in full, using the current Contract prices for the actual work completed, with no compensation for the deletion of the original estimated quantities.

The Contractor shall have work crews of adequate size to complete the operations necessary for the work being completed (i.e., crews shall include sufficient traffic control, laborers, operators and truck drivers). The Contractors paving crew shall consist of a minimum of seven (7) crew members, not including non-working supervisor, traffic flag person, or members of the preparatory or restoration crews. Crew members shall be experienced in each aspect of the work they are assigned. The City shall be given ample opportunity to inspect the paving; therefore, before the Contractor uses more than two (2) crews placing asphalt, including crews placing asphalt base courses, the Contractor must receive written permission from the City to add the additional crews. The Contractor shall submit their request no later than 72 hours prior to needing the additional crews.

In the event the Contractor fails to comply with these provisions, the City shall withhold payment for the pay items associated with the roadways where the Contractor failed to comply with these Contract provisions until the City makes final payment for all Contract work.

Application rates given refer only to average application rate, therefore, asphalt will be placed as determined in the field by the City. Leveling courses may be required as determined by the City. Leveling shall be done in a manner that will allow a uniform thickness wearing course to be applied. The leveling course shall be compacted in such a manner and to a density that will not further compact or deform during the placement of the wearing surface. All pavement courses shall be laid to a string line or at the City's inspector discretion. No additional payment will be made to the Contractor for complying with the requirements of this section.

Driveway and Intersection Tapers - Resurfacing shall be tapered to match existing adjacent driveway and intersection pavement. If two (2) courses are to be applied, tapers shall be accomplished with the first course and shall be a minimum of one foot (1') wide per vertical inch in height. This shall include all driveways with existing paving three feet (3') or less from edge of roadway paving.

Paving on the road shall not commence until the associated storm sewer pipe replacement is complete and accepted.

Reference the City of North Port Asphalt Specification Attachment D for paving details.

SP-20 RESTORATION: Unit quantities shown on the Road Inventory Lists are approximate; the City will delineate the extent of restoration pay items. Unless authorized by the City, the Contractor shall be responsible for the restoration costs associated with staging areas, over-clipping or damage to public/private property.

Upon completion of a roadway's resurfacing and before acceptance and payment will be made for same, Contractor shall restore all public and private property which was damaged during the prosecution of the work. Restoration is meant to include grading and stabilizing the shoulders to match the new edge of pavement using materials consistent with what existed prior to construction. This shall be understood to include the use of sod to replace existing sod that has been damaged. Foreign material, such as asphalt chunks and dead vegetation, shall be removed from any spoil used

to fill and dress shoulders after completion of paving. Relocation or adjustment of mailboxes required by the work proposed in this Contract will be the responsibility of the Contractor.

SP-21 PRIVATE PROPERTY: The Contractor shall not occupy private land outside of any easements or rights of way unless a written authorization has been signed by the property owner. It shall be the Contractor's responsibility to provide these agreements prior to construction, if required. Prior to the use of private lands, the Contractor shall submit a copy of the agreement(s) to the City. In the event that the Contractor uses private property for any purpose without first having obtained the necessary approvals from the property owner or provided the necessary agreement to the City, the City will direct the Contractor in writing to immediately cease using such property.

Prior to application for final payment, the Contractor shall provide documentation from the owner of each piece of private property for which an agreement for use was provided, or for which the City has issued written notification to the Contractor, that each owner is satisfied with the manner in which the Contractor has restored the property. Final payment or reduction in retainage shall not be paid until such documentation is received by the City.

SP-22 RESIDENTS CONCERNS: During the construction operations Residents will contact the City to question the progress of the paving operation or express concerns regarding the work. These concerns are responded to by CNP Public Works. The Contractor will provide detailed information on the actual scheduling of the work or corrective measures required to the City. The Contractor shall provide contact information so Public Works may submit inquiries. The Contractor shall respond to these inquiries within two (2) business days detailing how the inquiry will be addressed and the time frame the Contractor will take in addressing this inquiry. Public Works will maintain a log of inquiries, which will be reviewed at each progress meeting.

SP-23 ADDITION OF ROADWAY PAVING: The City at its discretion may add roadway paving and/or drainage pipe work within the scope of this contract. Added roads shall be paid as an overrun to existing pay items at the same unit rates established in this Contract at the time of bidding. A change order will be issued by the City to document this overrun in quantities of work.

SP-24 CHANGES IN THE WORK: The City, without invalidating the Contract, may order extra work or make changes by altering, adding to or deducting from the work, the Contract sum being adjusted accordingly. Such work shall be executed under the conditions of the original contract. The change and amount of compensation must be agreed upon in writing in a document of equal dignity herewith prior to any deviation from the terms of this Contract. In giving instructions, the City shall have authority to make minor changes in the work, not involving extra cost, and not inconsistent with the purposes of the work. Except in an emergency endangering life or property, no extra work or change shall be made unless in pursuance of a written order by the City; and no claim for an addition to the Contract sum shall be valid, unless ordered.

Value of any such extra work or change shall be determined in one or more of the following ways:

1. By unit prices named in the contract.
2. By Change Order executed by City Manager.
3. By cost and percentage or by cost and a fixed fee.
4. By estimate and acceptance in a lump sum.
5. By Contingency Authorization (executed by City Manager).

If none of the previous methods are agreed upon, the Contractor, provided he/she receives an order as above, shall proceed with the work. In such case and also under case, he/she shall keep amendment in such form as the City may direct, a correct amount of the net cost of labor and materials, together with vouchers. The City shall certify to the amount, including reasonable allowance for overhead and profit, due to the Contractor. Pending final determination of value, no

payment on changes shall be made. When requiring a change in the scope of services the Contractor shall notify the City by written notice that a change order is requested within five (5) days of any occurrence.

SP-25 MEASUREMENT OF QUANTITIES: The Contractor shall submit quantities measured in accordance with the Technical Specifications section TS-24. The quantities of work performed and submitted will be verified and/or adjusted by the City. The City verified or adjusted measurements shall be final and binding. All work computed under the contract shall be measured according to the United States Standard Measurement and Weights. The City does not assume any responsibility that the final quantities will remain in accord with estimated quantities, nor shall the Contractor claim misunderstanding or deception because of such estimate of quantities. The estimated quantities of work to be done and material to be provided may be increased, decreased, or omitted, as provided herein. Any increase in quantities shall be approved by the City prior to any work.

SP-26 CONTRACTOR'S UNDERSTANDING: It is understood and agreed that the Contractor has, by careful examination, satisfied himself as to the nature and locations of the work, the conformation of the ground, the character, quality, and quantity of materials to be encountered, the character of equipment and facilities needed prior to and during prosecution of the work under this Contract. No verbal agreement or conversation with any officer, agent, or employee of the City, either before or after execution of this Contract, shall affect or modify the terms or obligations herein contained.

SP-27 ASSIGNMENT AND SUBLETTING: The Contractor shall not sub-let or otherwise assign more than fifty percent (50%) of the contract value. The Contractor shall perform at least 50% of the entire activities as specified with his/her own staff. The City may request contractor to provide proof concerning their staff and or equipment.

SP-28 QUALIFICATIONS AND EXPERIENCE: In order to be deemed responsive and responsible the Bidder must have obtained such prequalification or certification (below) not later than the time of bid opening, and attach proof with their bid package:

- a. Bidder must be prequalified or certified by Florida Department of Transportation (FDOT) for categories listed under Rule 14-22.003(3), Florida Administrative Code, Classification of Work, shall provide to the City with in their bid package an updated/current FDOT Certificate of Qualification. The certificate shall include approval by FDOT to perform Bituminous and milling work; **And**
- b. Bidder shall provide with their bid package proof of managing a paving project or several paving projects totaling a minimum of 5 miles for FDOT. Such proof shall include year of the project, the project name, phone numbers and email contact information of FDOT Project Manager. References will be reviewed as part of the bid evaluation and a determination will be made by the City and Engineer if the lowest bid Contractor is qualified.

SP-29 PAYMENT TERMS: Payment terms are defined in the instructions to bidders/contract. Please note the City has implemented Bank of America's ePayables solution, a convenient new payment option for our bidders, and going forward would like to pay all future invoices with Visa credit card. If you would like to obtain additional information, please contact Cheryl Dwyer, Business Professional with the Finance Department at 941.429.7111.

SP-30 ERRORS OR OMISSIONS IN PERMITS, PLANS OR SPECIFICATIONS: The Bidder shall take no advantage of any apparent error or omission, which may be discovered in the Permits, Plans or Specifications but shall forthwith notify the City Representative of such discovery, who will then make such correction and interpretations as deemed necessary for reflecting the actual spirit and intent of the Permits and Specifications.

SP-31 FAILURE OF ENGINEER TO REJECT WORK DURING CONSTRUCTION: If, during or prior to construction operations, the Engineer fails to reject defective work or materials, whether from lack of discovery of such defect or for any other reason, such initial failure to reject in no way prevents the later rejection when such defect is discovered, or obligates the

City to final acceptance. The City is not responsible for losses suffered due to any necessary removals or repairs of such defects.

SP-32 BONDING REQUIREMENTS: The Contractor shall provide a Performance Bond and a Payment Bond, in the form prescribed in Florida Statutes Section 255.05 each in the amount of 100% of the Contract amount, the costs of which are to be paid by the Contractor. The bonds will be acceptable to the City only if the following minimum conditions are met:

The Surety Company:

- a. is licensed to do business in the State of Florida;
- b. holds a certificate of authority authorizing it to write surety bonds in this state;
- c. has twice the minimum surplus and capital required by the Florida Insurance Code at the time the invitation to bid is issued;
- d. is otherwise in compliance with the provisions of the Florida Insurance Code; and
- e. holds a currently valid certificate of authority issued by the United States Department of Treasury under 31 U.S.C. §§ 9304-9308.
- f. a current rating of at least Excellent (A or A-) as reported in the most current Best Key Rating Guide, published by A.M. Best Company, Inc., of 75 Fulton Street, New York, New York 10038;
- g. with an underwriting limitation of at least two times the dollar amount of the contract.

If the Surety Company for any Bond furnished by the Contractor files for bankruptcy, has a receiver appointed, is declared bankrupt, becomes insolvent, has an assignment made for the benefit of creditors, has its right to do business terminated in the State of Florida, or ceases to meet the requirements imposed by the Contract Documents, the Contractor shall, within five (5) calendar days thereafter, substitute another Bond and Surety Company, both of which shall be subject to the City's approval.

By execution of these bonds, the Surety Company acknowledges that it has read the surety qualifications and surety obligations imposed by the Contract documents and hereby satisfies those conditions.

SP-33 CRITERIA FOR AWARD: The award of this bid shall be to the lowest responsive, responsible bidder who meets or exceeds the minimum requirements of these specifications. Other considerations of award are Local preference, favorable references, qualifications, similar project experience, and successfully completed projects.

The City reserves the right to reject the bid proposal of any bidder who has previously failed to perform properly, or on time, contracts of similar nature; or who is not in a position to satisfactorily perform the contract.

End of Special Provisions

END OF SECTION III

SECTION IV. TECHNICAL SPECIFICATIONS

TS-01 PROJECT SCOPE: The purpose of this project is to obtain a Contractor to resurface approximately 45 miles of City roadways listed in “Attachment A” requiring stormwater improvements, milling and resurfacing in areas identified as part of the 2018 Routine Road Maintenance Project. West Price Boulevard as part of the annual maintenance resurfacing is also included as “Attachment C” and will be administrated through this contract with separate pay quantities. The Project consists of furnishing all materials, equipment, labor and operations in connection with, but not necessarily limited to, the following as specified herein and shown on the attached street listings and map of the Project. All mobilization/demobilization costs shall be included within unit prices.

- A. Maintenance of traffic;
- B. Resurfacing with asphaltic concrete, tack coat application, herbicide application and clipping of the side of the roadway to provide a stable surface for the asphalt placement;
- C. Roadway Isolated Base Repair as required;
- D. Removal (milling) of asphalt to ensure a solid application surface, and disposal of same;
- E. Priming of exposed base as required;
- F. Road striping (replace existing and add new as directed) with temporary paint and permanent thermo-plastic;
- G. Replace all existing Permanent Control Points (PCP) and reference points;
- H. Standard Clearing and Grubbing incidental to bid items as required;
- I. Earthwork: excavation, embankment & borrow (truck measure);
- J. Installation (includes removal of existing) of storm drain pipes (ERCP);
- K. Install Mitered End Sections as required;
- L. Install and/or modify Catch Basins (manholes, inlets, junction boxes) as required;
- M. Eliminate Texas Swales and replace with storm drain pipes (ERCP);
- N. Driveway and Sidewalk Restoration (removal & replacement);
- O. Installation of Loop Dectors as required;
- P. Install Rip-Rap as required;
- Q. Sod placement as required;
- R. City of North Port Utility Deflections/Adjustments;
- S. Site clean-up as required.

TS-02 GENERAL: All work shall be in accordance with applicable provisions of the July 2017 FDOT Standard Specifications for Road and Bridge Construction (Standard Specifications) except as amended hereinafter.

In case of a conflict with the referenced Standard Specifications and the requirements stated herein, the requirements herein shall prevail. In case of a conflict in the requirements of local government with the referenced Standard Specifications or the requirements stated herein, the requirements of the local government when more stringent, shall prevail.

TS-03 MATERIALS: All materials shall conform to FDOT “Standard Specifications for Road and Bridge Construction July 2017”.

TS-04 SUBMITTALS: Submit three (3) copies of each submittal to the City for review and approval. Submittals shall be provided to the City at the Construction meetings. Submittals shall be submitted for all materials and products to be installed with the project. Submittals shall include, but not limited to:

- A. Mix Designs
- B. MOT Plans as required
- C. Suppliers with contact information
- D. Material certifications, test results, Certification of Quantities for payment
- E. Contractor's Pay Request and Certification of Quantities by Pay Item with backup (i.e. asphalt delivery tickets, pipe delivery invoices, etc.)

TS-05 MAINTENANCE OF TRAFFIC (MOT): Contractor shall maintain at least one (1) lane of traffic at all times for local, arterial and collector roadways, and comply with the Manual on Uniform Traffic Control Devices, maintaining safe conditions at the job site at all times. Detours may be allowed for local streets, so long as any plans for such detours are approved by the City at least ten (10) business days in advanced. Contractor shall provide draft copy of door knockers, area of map distribution and media release for City review. Door knockers shall not be distributed and news release shall not be posted until approved by City Manager. Closures and detours shall only occur upon final approval of City Manager and adequate posting.

Contractor shall be responsible for coordinating MOT for every paving area during paving activities. MOT shall include proper signage and manpower for traffic control and to maintain safety. The work specified for arterials, collectors and local roads shall include an MOT during the entire construction period and shall comply with the requirements of Section 102 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction most recent edition, the Florida Department of Transportation Roadway and Traffic Design Standards, most recent edition, Index 600 series, and 700, Florida Department of Transportation's Plans Preparation Manual, Chapter 10, Work Zone Traffic Control; most recent edition, and Part VI, The Federal Highway Administration's Manual on Uniform Traffic Control Devices (Current Edition) except as amended hereinafter.

MOT Plan: The Contractor shall provide an MOT Plan prepared in accordance with the above referenced documents. The Contractor shall not begin work until a MOT plan is officially approved by the City (e-mail or in writing). MOT plans modifications require the City's written approval. Except in an emergency, no changes to the approved plan are allowed until written approval is received.

The Contractor's work shall include any temporary suspensions of work, preparing approved traffic control plans, providing facilities, devices, and operations as required for access to residences and businesses along the project and for the safety and convenience of the public and to minimize public nuisance, installing, and maintaining traffic control markings, signs, and safety devices, and any other special requirements for safe and expeditious movement of traffic in the project area and other impacted areas as specified herein. No open roadway cut shall remain open overnight. All traffic control measures shall meet current M.U.T.C.D., City of North Port and latest edition of FDOT guidelines.

The Contractor shall notify all Emergency Agencies (including City's Fire and Police Departments) affected by the work being performed, at least twenty-four (24) hours in advance. The Contractor will also notify, North Port Solid Waste, Sarasota County School Board Transportation, and the North Port Post Office of the areas affected. MOT shall be pre-approved by the City prior to the start of any work. Failure to comply with the terms in this section as determined by the City shall result in the immediate halt of all work operations until such time as all deficiencies and problems are corrected to the satisfaction of the City and the Contractor is authorized by the City that work may resume. The City will not be responsible and will not compensate contractor for any lost time as a result of ignoring or not meeting any of the MOT criteria specified herein.

Work Zone Traffic Supervisor: Provide a Worksite Traffic Supervisor in accordance with FDOT section 102-3.2 who is responsible for initiating, installing, and maintaining all traffic control devices as described in Section 102 of FDOT standard specifications and in the Contract Documents. Ensure that the Worksite Traffic Supervisor is certified in the advanced training category by an FDOT approved training provider. The Contractor shall provide a copy of the Work Zone Traffic Supervisor's training certification at the preconstruction conference.

TS-06 PREVENTION, CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION: Provide erosion control measures on the project and in areas outside the right-of-way where work is accomplished in conjunction with the project, so as to prevent pollution of water, detrimental effects to public or private property adjacent to the project right-of-way and damage to work on the project. The State of Florida Department of Environmental Protection Generic Permit for Stormwater Discharges from large and Small Construction Activities, herein referred to as the DEP Generic Permit, applies to this project. The DEP Generic Permit is issued under the State of Florida's authority to administer the NPDES Stormwater program. All work shall conform to FDOT Standard Specifications Section 104 and the FDOT Index 100 series, except as modified or amended herein. The Contractor's Erosion Control Plan shall implement the Best Management Practices in the Construction Plans and shall include procedures to control off-site tracking of soil by vehicles and construction equipment and a procedure for cleanup and reporting of non-storm water discharges, such as contaminated groundwater or accidental spills. Contractor shall be responsible for management and Implementation of all associated permit conditions and requirements. Do not begin any soil disturbing activities until City approval of the Contractor's Erosion Control Plan, including all required signed certification statements. No separate payment shall be made to the Contractor for above work required by this section. The cost of all associated prevention, control and abatement of erosion and water pollution shall be included in the unit prices bid.

TS-07 ASPHALT RESURFACING/BASE: All streets within the project area (see Map) shall be resurfaced in accordance with the following attachments: Attachment A - Maintenance Resurfacing Summary; Attachment C – W. Price Boulevard Summary; Attachment D – Asphalt Specifications; Attachment E - Typical Sections, and the following:

Preparation of application surfaces: In addition to the applicable FDOT specification requirements, any grass or weeds encroaching on, or under a surface to be repaved, restriped shall be treated with sterilant in a manner that will render same permanently inactive. Remaining material shall be completely removed using a broom from the roadway surface and removed from the site.

ISOLATED BASE REPAIR: All areas requiring base repair shall be outlined with spray paint by the City. Each area shall be saw-cut by Contractor, and all material removed to the sub-base, and disposed of in accordance with all applicable laws and rules. Streets requiring base repair are listed in Attachments with estimated quantities that are included in Bid Schedule Form Item 2.b. Material used to fill shall be full depth asphalt to existing roadway surface, properly compacted in lifts of no greater than 3" inches. Please reference Attachment E Typical Sections for details.

Sweeping and Tack Coating: All streets to be repaved shall be swept clean of all loose material, and a tack coat applied in accordance with attachment D Asphalt Specifications. Non-tracking (trackless) tack coat in accordance with the specifications must be used for the entire roadway segments. Contractor shall remove any and all tack tracked upon unimproved roadway. Apply tack coat sufficiently in advance of placing bituminous mix to permit drying, but do not apply tack coat so far in advance that it might lose its adhesiveness as a result of being covered with dust or other foreign material. Protection: Keep the tack coat surface free from traffic until the subsequent layer of bituminous hot mix has been laid

Contractor shall improve existing connecting roadway intersections as directed by City of North Port Inspector or representative encountered during paving operations. Intersections shall be marked in the field by a City of North Port Inspector or representative as length and width may vary due to existing field conditions. Intersections shall be paved from a point approximately 30 feet back from edge of pavement on road being paved through the turnout radius and

into the mainline road. A milled keyway shall be used at the starting point to provide a stable, smooth transition through the intersection into the mainline road surface.

A quality control technician either employed or retained by the contractor shall be present at all times during paving operations. This person(s) shall be responsible for the daily accounting of asphalt placed, yield, and for validation on a daily basis with the City's inspector that quantities are acceptable. A quantity summary report shall be provided to the City inspector at the end of each work day.

TS-08 ASPHALT REMOVAL AND DISPOSAL: The Contractor shall remove existing asphalt as required by the inspector to ensure a solid application surface for subsequent repaving, and dispose of same in a lawful and environmentally safe and acceptable manner. Asphalt quantities are shown in the Attachments for each segment. Milling shall be 0" to 1½" depth; however final determination shall be directed in the field by the City's Paving inspector. Unless otherwise specified, all materials removed in performing asphalt removal shall become the property of the Contractor at the time it is changed from the pre-construction condition. Disposal of Materials: The Contractor shall not leave objectionable material within the road right of way as result of construction activities. The City's inspector shall have authority to determine what materials are objectionable and when it must be removed and disposed.

TS-09 MAILBOXES: The Contractor is responsible for the protection, temporary removal, and/or replacement of all mailboxes necessary for the continued delivery of U.S. mail to local patrons within the project limits. The Contractor shall give written notice to the Postmaster of the delivery route at least seven days (excluding Saturdays, Sundays, and holidays) prior to the beginning of work on the project. The Contractor shall coordinate removal of the patrons existing mailboxes. Patrons shall have the option of removing their mailboxes or leaving the mailboxes in place for removal by the Contractor. Any relocation or adjustment of mailboxes shall be in accordance with U.S. Postal Service requirements at each mail patron delivery location. The Contractor shall maintain the mailbox throughout the Contract period. Existing mailboxes that were temporarily removed and are not in satisfactory condition for reinstallation shall be replaced with new mailboxes mounted on new posts.

TS-10 STRIPING AND MARKINGS: All existing striping shall be restored with temporary paint and/or Thermo-plastic as soon as practical. The City may also direct additional new striping. Striping and markings of roadways shall be consistent with FDOT design indexes and standard specifications dated 2017. The striping shall not commence without the proper road preparation by the Contractor. Preparation includes removal of any kind of vegetation and soil material present on the striping area. Striping and marking activities will commence only after approval has been granted by the City Inspector in writing or via e-mail. No striping will be placed until area to be striped has been approved by the Inspector.

TS-11 PERMANENT CONTROL POINTS (PCP) REPLACEMENT: Contractor shall hire the services of a Professional Licensed Surveyor to re-set all PCPs within the asphalted roads. PCPs shall be set per Florida Statutes and consistent with State Regulations.

This item of work shall require that existing survey monuments located either within street intersections, or at major changes of direction within the project area be re-set with new reference markers after repaving is complete. This work item shall require that a Florida Registered Professional Land Surveyor (PLS) be employed by the Contractor. The Surveyor shall submit copies of field notes and maps in an organized manner, showing the locations of the monumentation found, as well as the locations of the reference markers set for each existing monument, along with the distances to the original PCP location. A minimum of three (3) reference points outside the re-pavement or improvement area shall be set. The Surveyor shall provide witnessing information to the City, Registered PLSs and persons identified by the City as requiring this information until such time when PCPs are replaced. The PLS shall submit a signed and sealed Surveyor's Certificate certifying the work specified in this section is in compliance with applicable Florida Administration Codes and Florida Statutes. The PLS shall notify the City 24 hours prior to resetting any PCPs. Upon completion of resurfacing, the proper location shall be marked on the surface of the new pavement. The Contractor shall

reset the PCPs within twenty (20) calendar days of completing the resurfacing of the listed roadway where the PCP is located. After re-pavement, the Surveyor shall replace the referenced PCPs with a minimum of 2" P.K. nail with a 1½" aluminum disk, stamped "PCP" along with the L.B. or L.S. number of the Surveyor, and submit the replacement information to the City in the form of field notes and maps.

TS-12 CROSS DRAIN PIPE REPLACEMENT: New FDOT-approved elliptical reinforced concrete (ERCP) cross drain pipes shall be supplied and installed by Contractor to replace existing pipes, which shall be removed and disposed of by the Contractor (along with any other waste materials) in accordance with all applicable laws and rules. Locations and sizes for all replacement ERCP pipes are per Attachments and on the accompanying maps. All pipes shall be inspected by the City upon delivery and prior to installation. The work specified in this section shall conform to the FDOT Standard Specifications dated and FDOT Standard Index, except as amended herein. Furnish and Install Class III drainage pipe and mitered end sections at the locations called for in the plans, no substitutions of pipe material will be accepted. Furnish and construct joints and connections to existing pipes, catch basins, inlets, manholes, walls, etc., as may be required to complete the work.

Installation shall be as follows:

1. Contractor shall supply and place new pipes at invert EL provided by the City. Cross drain pipes lengths shall be per Attachments. There may be instances where a shift in alignment may be necessary thereby increasing the length of pipe. In those instances, the additional length will be in eight foot sections.
2. No pipe shall be placed in a wet or yielding trench. Any bedding material that is not acceptable to City shall be replaced at the Contractor's costs. Bedding material shall be incidental to this item.
3. All locations for storm pipe replacement are to be saw cut and opened at a minimum of 2' wider than the pipe to be placed (1 foot on either side). Excavated material, including existing pipes, shall be properly disposed of in accordance with all applicable laws and rules. Utility locates shall be the Contractor's responsibility.
4. All pipe bedding/ foundation shall meet 2017 FDOT specifications. Contractor shall place new pipes to line and grade as specified, and backfilled with suitable backfill material at each location where pipe is placed. Backfilled material shall be approved materials compacted to a minimum of 98% of AASHTO T-99 density. Contractor shall use full depth asphalt to "Patch" the open cut from the sub-base up to the existing roadway surface. Asphalt shall be properly compacted at no greater than 3" lifts up to the existing roadway surface. Inverts shall be checked by City before pipe trench is backfilled and compacted. Asphalt shall be placed with a smooth transition between the crossdrain patch and remaining of the road. Asphalt shall be placed no later than 24-hr once the crossdrain pipe has been installed.
5. Wrap all reinforced concrete pipe joints (round and elliptical) with a geotextile fabric as depicted in the "Filter Fabric Jacket" detail, Index 280 in the FDOT Design Standards. Pipes shall be wrapped with filter cloth at joints approximately 24" wide with a 12" overlap prior to being back filled (FDOT 201). Pipe shall have the ends wrapped with silt barrier at time of back fill. The unit cost for placement of pipe includes joint wrapping.
6. Pipe may include up to 25' of swale grading at each end and in both directions of pipe, including re-sodding, and clean up as required.
7. All excavation, trenching and related sheeting and bracing shall conform to the requirements of the Florida Trench Safety Act (C5/5B 2626) which Incorporates by reference, OSHA's excavation safety standards, (29 CFR 1926.650 Subpart P).
8. Pipes to be set at design elevation with 0.0'+ tolerance and .10'- tolerance.
9. Final pipe inspection will be required. A DVD video report will not be required unless a visual inspection uncovers a deviation of the line, grade, shape, debris, leaks, or other defects.

All new pipe placements shall be inspected by City before backfilling. If backfill is completed before such inspection occurs, pipes shall be uncovered at the Contractor's expense, for the City's viewing.

TS-13 CATCH BASINS (INLETS, MANHOLES, JUNCTION BOXES): This contract includes locations that will require installation or modification of catch basins. Catch basins shall be per FDOT Indexes (Edition 2017). Gratings shall be of Cast Iron and per FDOT Index. Signed & sealed shop drawings from a Florida Registered Engineer shall be provided for all drainage structures. Drainage structures shall not be placed in a wet or yielding trench. Any bedding material that is not acceptable to City shall be replaced at the Contractors costs. Bedding material shall be incidental to this bid item. The work associated with this effort shall include all the materials labor and equipment for the installation of the structure. This bid item shall constitute full compensation for furnishing all materials and completing all the work described herein, shown on plans, or specified in Section 425 of the FDOT Standard Specifications for Road and Bridge Construction, including all excavation, dewatering, subsoil excavation and bedding (replacement material), backfilling around the structure, legal disposal of surplus material, the furnishing and placing of all concrete, reinforcing steel, gratings, frames, covers, baffles and any other necessary fittings, and providing plugs and openings in existing structures as shown in the plans or as directed by the City Engineer's Representative.

TS-14 ROADSIDE SWALE PIPES (SIDEDRAIN): There are residential locations that require roadside swales to be fully or partially piped. Contractor shall install the specified type and quantities of pipe as shown on Attachments and as specified herein. The various quantities of pipes are included on the bid tab for this Item. The installation of roadside swale piping shall include all necessary excavation soil backfill material, existing pipe removal & disposal, sodding, materials labor and equipment for a complete installation satisfactory to the City. Backfilled material shall be approved materials compacted to a minimum of 95% of AASHTO T-99 density. Contractor shall coordinate with the City for cutting or modification of the pipes as required by the City. Mitered end sections are to be installed where indicated in Attachments. Such mitered ends shall be approved by the City and shall be installed at the time of the pipe installation. Mitered ends slopes and types shall be per FDOT Index; however, the City Inspector will indicate to the contractor the slope for each location. Some of these locations involve pipe retrofitting to existing driveways, where a portion of the driveway needs to be demolished and reinstalled. The concrete work associated with the driveways shall be paid for under bid item Concrete Sidewalk (4" Thick).

TS-15 TEXAS SWALES (T-Swales): All "Texas swales" in the project area are to be eliminated, and new cross drain pipes installed to handle drainage. Locations and sizes for all new pipes shall be as shown in Attachments. All pipes shall be inspected by the City upon delivery and prior to installation.

Installation shall be as follows:

1. All locations for new storm pipe placement are to be saw cut and opened at a minimum of 2' wider than where the new pipe is to be placed (1 foot on either side from edge of pipe), and all material removed to the base of where the pipe will be laid. Utility locates as required shall be the Contractor's responsibility. All material excavated and removed shall be properly disposed of in accordance with all applicable laws and rules and as per Section TS-05.
2. Contractor shall supply and place all new pipes as required. No broken pipes will be allowed for installation. Contractor shall set pipe centerlines (length-wise) 36 feet from the inside edge-of-pavement of the nearest perpendicular cross street. City staff shall verify each location. Invert elevations for both ends of all new pipes shall be supplied to the Contractor by the City. All new pipes shall be FDOT approved ERCP. All pipes installed on local roads shall be a minimum 40 feet in length and as shown. Bell end of the pipe shall be installed on the upstream side of the swale.
3. All pipe bedding/ foundation shall meet FDOT 2017 version of specifications (Section 125-8). Contractor shall place new pipes to line and grade, and then backfill the entire swale area with full depth asphalt above the midpoint of pipe at each location where new pipe is placed. Asphalt shall be properly compacted at no greater than 3" lifts up to the surrounding roadway surface elevation. Pipe inverts shall be checked by City before backfilling and compaction.

4. Pipes shall be wrapped with filter cloth at joints approximately 24" wide with a 12" overlay prior to being back filled. Pipe shall have the ends wrapped with silt barrier at time of back fill. All pipe shall include a minimum of 25-ft up to 100' of swale grading at each end and in both directions of pipe, including re-sodding, and clean up as required. Contractor shall also provide soil-fill material to regrade the shoulder within the T-swale area. Such material shall be suitable for grass growing and shall not have shell base material.

5. Sumping of pipes may be required by the City on occasions in order to provide adequate cover over the pipe(s) without causing a "hump" in the road. Invert elevations and sizes for such sumped pipes will be provided to the Contractor by the City.

6. Each T-Swale location that has a drop off greater than 2" inches from the newly constructed edge of pavement elevation shall be backfilled with suitable soil as such. Provide suitable soil material to the shoulder area adjacent to the edge of pavement and then proceed with providing a sloped shoulder not to exceed 3:1 [horizontal/vertical] to a point within the swale right of way matching existing grade or to the centerline of the existing swale. The shoulder restoration shall be such that there will be no gap between the existing swale slope and the sod placed and as specified FDOT Design Standards index (2017 Edition). The T-swailes shall be backfilled with asphaltic material (Base or SP) the same day of pipe installation. Asphalt placed on T-swailes shall meet FDOT Specification Section 339, 2015 Edition. The T-swale must have sufficient asphalt placed to allow for safe vehicle crossing and traffic conditions at all times. The City inspector will determine if the asphalt placed is sufficient to accommodate vehicular traffic.

7. Pipes installed shall have approved mitered end sections where indicated. Mitered ends slopes and types shall be per FDOT Standard Index; however, the City Inspector will indicate to the contractor the slope for the particular location. Whenever a listed ERCP is installed beyond the center of the swale Contractor shall coordinate with the City for cutting or modification of the ERCP as necessary. Addition payment shall be made for each mitered end installed as required and specified.

Shoulder backfilling and grading shall not impede drainage flow. Complete sodding of newly constructed shoulder. All new pipe placements shall be inspected by City before backfilling. If backfill is completed before such inspection occurs, pipes shall be uncovered at the Contractor's expense, for the City's viewing. The City will provide the Contractor a report with the necessary information for the installation of the T-swailes pipes. Such report includes information such as Temporary Bench Marks (TBMs), pipe size and length and inverts EL. The Contractor shall install the T-swale pipes utilizing the City's report information. In the case any changes are needed for field adjustment, the City will provide Contractor with updated information, which will supersede the one provided in the Report. Whenever a listed ERCP is installed beyond the center of the swale Contractor shall coordinate with the City for cutting or modification of the ERCP as necessary.

TS-16 CLEARING AND GRUBBING: Contractor shall include the cost of any work of clearing and grubbing which is necessary for the proper construction of the project in the Contract price for the structure or other item of work for which such clearing and grubbing is required. Perform standard Clearing and Grubbing within the following areas: (a) All areas where excavation is to be done, including lateral ditches, right-of-way ditches, etc. (b) All areas where roadway embankments/riprap will be constructed. (c) All areas where structures will be constructed, including pipe culverts and other pipe lines. (d) Level the terrain outside the limits of construction for purposes of facilitating maintenance and other post-construction operations. (e) Trim trees and shrubs within the project right-of-way that are necessary for construction. Work included: Completely remove and dispose of all existing guardrail, concrete "spillways", timber, brush, stumps, roots, rubbish, debris, and all other obstructions resting on or protruding through the surface of the existing ground and the surface of excavated areas, and all other structures and obstructions necessary to be removed.

TS-17 EARTHWORK BORROW: Authorization for Use of Borrow: Use borrow only when sufficient quantities of suitable material are not available from roadway and drainage excavation, to properly construct the embankment, subgrade, and

shoulders, and to complete the backfilling of structures and pipe. Do not use borrow material until so ordered by the Engineer. Density Requirements: The Engineer will accept a minimum density of 98% of the maximum density as determined by AASHTO T-99C for earthwork items requiring densities within roadway 2:1 slope. The Engineer will accept a minimum density of 95% of the maximum density as determined by AASHTO T-99C for earthwork items outside of the roadway 2:1 slope.

TS-18 CONCRETE SIDEWALK/DRIVEWAY RESTORATION:

A. GENERAL- The work specified in this section consists of the removal and replacement construction of concrete driveways, sidewalks and curb cut ramps, in accordance with the plans, FDOT Standard Specifications Section 522 except as modified herein, and in conformity with the lines, grades, dimensions and notes shown in the plans.

B. MATERIALS- Meet the requirements specified in FDOT Standard Specifications 347 Portland Cement Concrete - Class NS (2,500 psi). The curb ramps shall be supplied with detectable warning devices per FDOT Standard Specifications Section 527.

C. ADA -All sidewalks proposed for construction shall adhere to all current applicable ADA standards including, but not limited to, cross slopes of 1.50%, +/-0.25% max, longitudinal slopes no steeper than 5% and all edge treatment standards. Sidewalks having cross slopes greater than 2% shall be corrected by the contractor at no additional cost to the City. Sidewalks having a longitudinal slope greater than 5% are considered ramps under current ADA standards. If the contractor's grading of the proposed sidewalk necessitates a longitudinal slope greater than 5% then the contractor shall be responsible for providing all necessary, ramp features as specified under current ADA standards using materials allowed under the Florida "Standard Specifications for Road and Bridge Construction" and the FDOT "Design Standards". The cross slope of the proposed sidewalk shall be no less than 1%. **DETECTABLE WARNING STRIPS ON WALKING SURFACES:** A. GENERAL- The work specified in this section shall conform to the requirements of FDOT Standard Specifications Section 527, except as amended herein. This item shall consist of furnishing and installing detectable warning strips in compliance with Section 527 of the FDOT Standard Specifications for Road and Bridge Construction and as depicted within the FDOT Design Standards edition using Indexes 304 or 310 as applicable. **MEASUREMENT AND PAYMENT-** Payment for Detectable Warning Strips required under this Technical Specification shall be incidental to the construction of concrete sidewalk/driveway and no additional payment shall be made. Include all work effort and materials as specified in this section, all work and materials as specified under FDOT Standard Specifications for Road and Bridge Construction and all work effort and materials as depicted in FDOT Design Standards Indexes relating to detectable warning devices.

There are several areas that will require adjustment to sidewalks at T-swale locations. The Contractor shall be responsible for the removal of the sidewalk areas as delineated/marked by the City inspector, install and regrade to the specified slope (as instructed by the City Inspector) with soil material and for the replacing of the new sidewalk areas to bring back the sidewalks consistent with the new asphalt as a result of the new piped swale area. The concrete for the sidewalk shall meet the requirements specified in FDOT Standard Specifications 347 Portland Cement Concrete - Class NS (2,500 psi).

TS-19 SOD FOR RESTORATION: Sod shall be Bahia. Sod installation shall be in accordance with the provisions of Section 570 of FDOT Standard Specifications for Road and Bridge Construction 2017 Edition. Any sod placed shall be watered as requested by City inspector, but at a minimum once a week and fertilized as required to ensure growth. Any sod replacement in front of existing homes shall be completed with like sod and shall be cut in to match existing sod at bid unit price for sod. Sod cut over 48 hours will NOT be used unless approved by the City. Shoulder restoration shall be one standard width sod piece (16") placed along edge of shoulder pavement. At Texas Swale locations, sod shall be placed as described in TS-15 item #6 for sodding all newly placed fill material. The City may request Contractor to provide proof that shows that sod has not been cut for a period larger than 48 hours. If excavated backfill material is to be stored within the roadway right-of-way, the area involved must be barricaded with a minimum of four (4) lighted type II barricades and silt fenced and be in compliance with MUTCD specifications.

TS-20 RIPRAP (RUBBLE DITCH): Riprap (Rubble Ditch): Construct riprap composed of rubble (consisting of broken stone) as directed by the Engineer. Use sound, hard, durable rubble, free of open or incipient cracks, soft seams, or other structural defects, consisting of broken stone with a bulk specific gravity of at least 1.90. Ensure that stones are rough and angular. Use broken stone meeting the following gradation and thickness requirements: Weight Maximum = 75lbs., Weight 50% = 30lbs., Weight Minimum = 4lbs., Minimum Blanket Thickness in Feet = 1.5. Ensure that at least 97% of the material by weight is smaller than Weight Maximum pounds. Ensure that at least 50% of the material by weight is greater than Weight 50% pounds. Ensure that at least 90% of the material by weight is greater than Weight Minimum pounds. Install a plastic filter fabric meeting the plastic filter fabric requirements as specified in Section 985 of FDOT specifications. Overlap adjacent strips of fabric a minimum of 24 inches, and anchor them with securing pins (as recommended by the manufacturer) inserted through both strips of fabric along a line through the midpoint of the overlap and to the extent necessary to prevent displacement of the fabric. Place the fabric so that the upstream (upper) strip of fabric overlaps the downstream (lower) strip. Stagger vertical laps a minimum of 5 feet. Do not drop riprap from heights greater than 3 feet onto the fabric. Include the cost of materials and installation of the geosynthetic filter fabric material in the contract unit price for Riprap. Dump rubble in place forming a compact layer conforming to the neat lines and thickness specified in the Plans. Ensure that rubble does not segregate so that smaller pieces evenly fill the voids between the larger pieces.

TS-21 INCIDENTAL REPAIRS: During the course of the project there could be situations that require modifications, repairs or changes due to unforeseen situations. In the case of repairs associated with the breaking of irrigation systems the Contractor shall be responsible for the repairs of any damaged irrigation system(s) and shall make such repairs to equal or better than encountered prior to the continuation of construction activities at their own cost. Chipped driveway aprons shall be repaired with same material as encountered. It shall be the responsibility of the contractor to video or photograph any existing damaged driveway aprons encountered prior to commencement of all phases of paving operations. Loss claims due to property damage during all phases of paving operations shall be at the contractor's risk and referred to the contractor's loss prevention and or insurance company.

TS-22 ADDITIONAL WORK CHANGE ORDERS (CO) / CITY OF NORTH PORT UTILITY ADJUSTMENTS: The City has created a Contingency Amount that was included in the contract prior to bid. The Contingency Amount has been established for funding unforeseen additional work for the City of North Port's Utility adjustments. Attachment G includes a summary list and CNP sketches of all known potential utility conflicts. Attachment G also includes example quantities and pricing for "Deflection Materials" for adjusting 4", 6", 8", 10" and/or 12" CNP Utility Department water and sewer lines.

The Contingency Amount is an alternate method of funding for performing additional work, as opposed to obtaining certification of availability of funds and executing a Supplemental Agreement. The funds encumbered for this pay item will be available for Change Orders (CO) without the delay caused by obtaining certification of availability of funds and preparing and executing a Supplemental Agreement.

Change Order (CO): A written agreement between the Contractor and the City modifying the Contract within the limitations set forth in these Technical Specifications. Funds for this agreement are drawn against the Contingency Amount. The City shall initiate a request for a CO when it is determined that additional CNP utility adjustment work is necessary. When additional work or a contract change is identified, a CO shall be executed to document the extra work. A complete description of the additional work to be performed and the reason why this work is necessary with references to the contract for entitlement shall be included. FDOT Work Order form (No. 700-010-80) may be used to document additional work or contract changes. COs may be used to settle costs associated with unforeseen utility work during construction.

A Notice to Proceed with work to be documented by a CO shall be issued to the contractor by the City after confirmation that sufficient funds are available in the Contingency Amount established for funding the additional work. The Notice to Proceed shall include sufficient detail to adequately describe the additional work.

The change and amount of compensation must be agreed upon in writing in a document of equal dignity herewith prior to any deviation from the terms of this Contract. Such changes must be approved by the City and contractor shall not proceed with the field changes without prior approval from the City.

TS-23 INSTALLATION REQUIREMENTS FOR DETECTORS: Installation Requirements for all detectors: Install, configure, and demonstrate a fully functional vehicle detection system as shown in the Plans. Connect all field equipment to the existing communication network, and provide all materials specified in the Contract Documents. Install all equipment according to the manufacturer's recommendations.

Ensure that above-ground detectors can be mounted on existing poles or sign structures, or on new poles, as shown in the Plans. Furnish all equipment with the appropriate power and communication cables. Install the power cable and the communication cables according to the manufacturer's recommendation. Ensure that the cables comply with NEC sizing requirements and meet all other applicable standards, specifications, and local code requirements.

Do not install communication cables in the same conduit or pull boxes as power cables carrying voltage greater than 24 VDC/VAC or current in excess of 1.5 amps.

Cut all wires to their proper length before assembly. Do not double back any wire to take up slack. Neatly lace wires into cables with nylon lacing or plastic straps. Secure cables with clamps and provide service loops at all connections.

In the event that power to the vehicle detection system or a subcomponent thereof is interrupted, ensure that the equipment automatically recovers after power is restored. Ensure that all programmable system settings return to their previous configurations and the system resumes proper operation.

Inductive Loop Detector Installation: Install vehicle loops in accordance with the manufacturer's instructions and the Design Standards, Index No. 17781 and standard specification section 660.

TS-24 BID SCHEDULE: Routine Road Maintenance Project FY2018 Pay Items are as described below.

Items shall include all labor, equipment and materials required to complete the work. Payment includes all Mobilization necessary to perform all work under each item. All quantities on the Bid Schedule for Road Bond and Routine Maintenance shall be separately administered and invoiced.

1. Maintenance of Traffic (LS) – **Bid Item 1**

Measurement for Payment: Payment shall be made Lump Sum at the contract price. Monthly progress payments shall be based on percent of work complete. Payment shall include all necessary labor, equipment and incidentals costs for the duration of the project including the Work Zone Traffic Supervisor, work zone signs, message boards, channelizing device, flaggers, etc. Payment will be made under: Item No. 1 – M.O.T. – lump sum.

2. Resurfacing and Base

Resurfacing SP HMA Fine (TL C) (TN) – **Bid Item 2.a**

The work specified in this section also includes all preparatory work, efforts required to mobilize and/or demobilize to perform any activities associated with asphalt resurfacing, including, but not limited to, those operations necessary for the movement of personnel, equipment, sanitary facilities, supplies, and incidentals to the project site, as required by these specifications, State and Local laws and regulations.

Patching Depressions (T-Swales)/Base Repair (TN) - **Bid Item 2.b**

Payment shall also include all necessary material (including asphalt filler for T- Swales and pipe crossings), labor, and equipment required to complete this item, including elimination and subsequent filling of the swales.

Measurement for Payment: Measurement and payment shall be in accordance with and Attachment D: 2017 - City of North Port Superpave asphalt specification. Tonnages for estimating purposes in areas of maintenance and rehabilitation have been based on 140 LB/SY of roadway resurfaced (Attachment A). W. Price Boulevard areas of maintenance and rehabilitation for estimating purposes tonnages were based on 150-200 LB/SY (Attachment C). Payment will be made under: Item No. 2.a – Type SP HMA Fine (TL-C) - per ton for resurfacing or Item No. 2.b - Asphalt Base – per ton for base repair. Bituminous Material adjustments will be made in accordance SP-12.

3. Asphalt Removal (Milling) and Disposal (SY) – Bid Item 3

Measurement for payment: The quantity to be paid for will be the plan quantity area, in square yards, over which milling is completed and accepted. Price and payment will be full compensation for all work specified for this item, including hauling off and stockpiling or otherwise disposing of the milled material. Note that this section includes Pay Items quantified for milling and for asphalt removal. Payment will be made under: Item No. 3 – Asphalt Removal - per square yard.

4. Road Striping (LF) – Bid Item 4

The Contractor shall apply thermo-plastic striping to all roads that are currently striped, in the same locations and with the same type(s) of striping (i.e., yellow, white, white profiled, double yellow, solid or skipped). The Contractor shall do likewise for stop bars. There may be instances where the City will require modification of striping areas to be striped different than the existing. The work specified in this section consists of layout and placement of traffic lane striping and stop bars in accordance with Section 710 of FDOT Standard Specifications for Road and Bridge Construction, 2017 Edition. In addition, Contractor shall install delineators, raised reflective pavement markers and bituminous adhesive as required on road areas where they currently exist, in order to provide a positive guidance system to supplement other pavement markings, all in accordance with Section 706 of the FDOT Specifications.

The quantity of Road Striping is approximate and is given as a basis of calculation for award of the Contract. The actual quantities may vary from the estimated amount. However, the Contractor shall not exceed the quantity as shown on the bid form without written approval from the City.

Measurement for Payment: Payment for all work and incidental costs specified for this item shall be paid at the Contract unit price per lineal foot for lane striping, and all associated work for road striping. Payment also includes all Mobilization necessary for the striping and/or markings to be done. Unit prices shall include any temporary traffic stripes or markings as required. Payment will be made under: Item No. 4a-d – Striping - per foot or 4e-j - per each.

5. Survey Permanent Control Points Replacement (PCPs) (EA) - Bid Item 5

Measurement for Payment: The quantity of PCPs to be paid for will be the number completed, recorded and accepted. Price and payment will be full compensation for all survey work required including all equipment, manpower, materials, and as specified herein. Payment will be made under: Item No. 5 – PCP - per each.

6. ERCP/ADS Pipe Culvert (LF) and ERCP Pipe (T-Swales ERCP) (LF) – Bid Item 6

The Contractor shall install elliptical reinforced concrete pipe (ERCP) as required and specified herein. The various quantities of pipes shown on the bid tab for this Item are for estimating purposes for award only, and may be more or less in actuality as measured in the field. The ERCP pipe includes sizes from 12"x18", 14"x23", 19"x30", 24"x38", and 29"x45". Whenever a listed ERCP is installed beyond the center of the swale Contractor shall coordinate with the City for cutting or modification of the ERCP as necessary. T-Swale Measurement for Payment: Payment for this item shall be made at the Contract unit price per linear foot of new ERCP pipe furnished and installed by the Contractor as specified herein, and shall include all incidental materials including soil shoulder material (not including asphalt filler), swales associated work,

remove & disposal of existing pipe, labor, and equipment required to complete this item. The ERCP (T-Swale) pipe includes sizes from 12"x18", 14"x23" and 19"x30. Payment will be made under: Item No. 6 –ERCP Pipe - per foot.

Measurement for payment: Payment shall be made at the contract unit price per linear foot for each completed pipe installed and shall include all labor, equipment and materials required to complete this item. The quantities of storm drain pipe, storm drain trench, cross drain pipe, side drain pipe and gutter drain pipe to be paid for will be field measured quantity, in place and accepted. The quantity will be determined from the inside wall of the structure as shown on the plans, along the centerline of the pipe. Prices and payments will be full compensation for all work specified in this Section, including all excavation, all backfilling, testing, material and compaction; disposal of surplus material; and all related clearing and grubbing including guardrail removal. When existing pipe is removed and replaced with new pipe approximately at the same location, the cost of excavating and removing the old pipe and of its disposal will be included in the Contract unit price for the new pipe. Payment will be made under: Item No. 6 –ERCP or ADS Pipe - per foot.

6.a. Mitered End Sections (EA) – Bid Item 6.a

Measurement for Payment: Where specified new pipes installed shall have approved mitered end sections installed at time of pipe installation. The quantity of mitered end sections to be paid for will be the number completed and accepted. Price and payment will be full compensation for all pipe, grates when required, fasteners, reinforcing, connectors, anchors, concrete, sealants, jackets and coupling bands, and all work required. Payment will be made under: Item No. 6.a – Mitered End Section - per each.

6.b. Catch Basins (EA) - Item 6.b

Measurement for Payment: The quantity of catch basins or retrofit catch basin to be paid for will be the number completed and accepted. Price and payment will be full compensation for all grates, fasteners, reinforcing, connectors, anchors, concrete, sealants, jackets and coupling bands, and all work required including all equipment, manpower, materials, disposal, and backfill as specified. Payment will be made under: Item No. 6.b – Catch Basin - per each.

7. Earthwork Borrow - Bid item 7

Measurement for Payment: Measurement will be made on a loose volume basis, as measured in trucks or other hauling equipment at the point of dumping on the road. Payment will not be made for borrow beyond the limits shown in the plans or authorized by the Engineer. Prices and payments for the work items included in this Section will be full compensation for all work described herein, including excavating, dredging, hauling, placing, and compacting; dressing the surface of the earthwork; and maintaining and protecting the complete earthwork. Payment will be made under: Item No. 7 – Borrow Excavation (Truck Measure) – per cubic yard.

8. Sidewalk/Driveway Restoration (SY) – Bid Item 8

Measurement for Payment: Payment for this item shall be made at the Contract unit price per square yard for demolition and replacement of new sidewalk/driveway. The work to complete the sidewalk adjustment shall include all incidental materials, manpower and equipment. FDOT 347 Portland Cement Concrete - Class NS, thickened surfaces, expansion materials, joints, removal & disposal, and detectable warning strips will be considered incidental to sidewalk placement. Payment will be made under: Item No. 8 – Sidewalk/Driveway Restoration - per square yard.

9. Traffic Signal Loop Detectors (AS) – Bid Item 9

Measurement for Payment: The Contract unit price for each inductive loop detector and per assembly for loop assembly will include all equipment, materials as specified in the Contract Documents, and all labor, equipment, and miscellaneous materials necessary for a complete and accepted installation. Payment will be made under: Item No. 9a - Loop Assemble F&I (Type B) – per assembly or Item No. 9b - Loop Assemble F&I (Type F) – per assembly.

10. Restoration – **Bid Item 10**

Bid Item 10.a. Sod: Measurement for Payment: Payment for all work and incidental costs specified for this item shall be paid at the Contract unit price per square yard (SY) for sodding, and shall include all incidental materials including soil shoulder material as specified herein. Payment shall be made for each square yard as specified. The quantities to be paid for will be plan quantity in square yards based on the area measured, completed and accepted. Prices and payments will be full compensation for all work and materials specified for this item. Payment will be made under: Item No. 10.a. - Sod Restoration - per square yard.

Bid Item 10.b. Rubble: Payment for all work and incidental costs specified for this item shall be paid at the Contract unit price per ton (TN) for riprap, and shall include all incidental materials including the geosynthetic filter fabric as specified herein. The quantities to be paid for will be the weight, in tons, in surface dry natural state, from certified truck scales. Payment will be made under Item No. 10.b. - Riprap (Rubble Ditch) - per ton.

11 CNP Utility Adjustments (Contingency) - **DO NOT BID - Item 11**

Pay Documentation & Costs pursuant to TS-23: CO documents and all supporting documents shall address the following in sufficient detail to adequately explain the additional work to anyone not familiar with details of the project: (a) What work was done; (b) Why the work was necessary; (c) Why the costs and time extensions were considered reasonable.

COs should not include lump sum items without a detailed itemization stating the quantities and unit prices the lump sum item was based on. All costs for additional work shall be:

- a) Paid as an overrun at contract unit bid prices where applicable, or;
- b) Negotiated and documented on the CO and attachments thereto, including the basis for all negotiated costs, or;
- c) Justified through an analysis or comparison of reasonable costs, FDOT statewide average bid prices or;
- d) Based on material invoice costs and labor payroll costs including mark-ups shown in FDOT Sub-Article 4-3.2 of the Specifications. Work Sheets itemizing the costs will be attached. No disclaimers or clauses allowing the Contractor to reserve its rights to request other costs shall be accepted. If an agreement on costs cannot be obtained as shown above, the additional work will be administered in accordance with City directions.

TS-25 CLEAN UP: Upon completion of work and before acceptance and payment will be made for same, Contractor shall restore all public and private property damaged during the execution of the work, to prior or better condition. Restoration shall be understood to include the installation of sod to replace existing sod that has been damaged. Foreign material, such as asphalt chunks and dead vegetation, shall be removed from any spoil used to fill and dress shoulders after completion of paving. Daily clean up to include general site work, street sweeping dust abatement. All waste material is to be disposed of in accordance with all applicable laws and rules. Any tack tracking shall be removed from Streets. No separate payment for performing clean-up work as required shall be made.

TS-26 TESTING: The Contractor shall pay for all compaction or other related testing deemed necessary. Testing shall include, but not limited to, density tests, proctors, LBR's and daily asphalt production testing at the plant, when required. Contractor shall provide to the City on a monthly basis or as requested by the Engineer, a copy of the lab results and field results for each day of production. The Contractor shall pay for any re-testing due to failure. The Contractor shall use the services of an Independent Testing Laboratory, approved by the City of North Port Public Works Department. Monthly progress payments to the Contractor may be withheld until all test results have been received.

End of Technical Specification

END OF SECTION IV

SECTION V. INSURANCE REQUIREMENTS

A. INSURANCE

A. Before performing any contract work, Contractor and subcontractors shall procure and maintain during the life of the Contract the insurance listed below, unless otherwise specified. The policies of insurance shall be primary and written on forms acceptable to the City and placed with insurance carriers approved and licensed by the Insurance Department in the State of Florida and meet a minimum financial AM Best and Company rating of no less than "Excellent." No changes are to be made to these specifications without prior written specific approval by the City Manager or designee. The City Manager or designee may alter the amounts or types of insurance policies required by this Contract upon agreement with Contractor.

- i. Workers Compensation: Coverage to apply for all employees at the statutory limits provided by state and federal laws. The policy must include Employers' Liability with a limit of \$1,000,000 each accident; \$1,000,000 each employee; and \$1,000,000 policy limit for disease.
- ii. Comprehensive Commercial General Liability Insurance: Occurrence form required. Aggregate must apply separately to this Contract. Minimum \$1,000,000 each occurrence; \$1,000,000 general aggregate; \$1,000,000 products and completed ops; and \$100,000 fire damage.
- iii. Commercial Automobile Insurance: To include all vehicles owned, leased, hired and non-owned vehicles with limits of not less than \$1,000,000 per each accident and for property damage and bodily injury, with contractual liability coverage for all work performed under this Contract.

General requirements: The City of North Port is to be named additional insured on **Comprehensive Commercial General Liability Policy and Auto Policy**. All certificates of insurance must be on file with and approved by the City before commencement of any work activities under this Contract.

Any and all deductibles to the above referenced policies are to be the responsibility of the Contractor. The Contractor's insurance is considered primary for any loss regardless of any insurance maintained by the City. The Contractor is responsible for all insurance policy premiums, deductibles, or SIR (self-insured retentions) or any loss or portion of any loss that is not covered by any available insurance policy.

All insurance policies must be issued by companies of recognized responsibility licensed to do business in Florida and must contain a provision that prohibits cancellation unless the City is provided notice as stated within the policy. It is the Contractor's responsibility to provide notice to the City.

B. **WAIVER OF SUBROGATION**: All required insurance policies, with the exception of Workers Compensation, are to be endorsed with a waiver of subrogation. The insurance companies, by proper endorsement or thru other means, agrees to waive all rights of subrogation against the City, its officers, officials, employees and volunteers, and the City's insurance carriers, for losses paid under the terms of these policies that arises from the contractual relationship or work performed by the Contractor for the City. It is the Contractor's responsibility to notify their insurance company of the Waiver of Subrogation and request written authorization or the proper endorsement. Additionally, the Contractor, its officers, officials, agents, employees, volunteers, and any Subcontractors, agrees to waive all rights of subrogation against the City and its insurance carriers for any losses paid, sustained or incurred, but not covered by insurance, that arise from the contractual relationship or work performed. This

waiver also applies to any deductibles or self-insured retentions the Contractor or its agents may be responsible for.

C. POLICY FORM

1. All policies, required by this Contract, with the exception of Workers Compensation, or unless specific approval is given by Risk Management through the City's Purchasing Office, are to be written on an occurrence basis, shall name the City of North Port, its Commissioners, officers, agents, employees and volunteers as additional insured as their interest may appear under this Contract. Insurer(s), with the exception of Professional Liability and Workers Compensation, shall agree to waive all rights of subrogation against the City of North Port, its Commissioners, officers, agents, employees, or volunteers.

2. Insurance requirements itemized in this Contract, and required of the Contractor, shall be provided by or on behalf of all subcontractors to cover their operations performed under this Contract. The Contractor shall be held responsible for any modifications, deviations, or omissions in these insurance requirements as they apply to subcontractors.

3. Each insurance policy required by this Contract shall:

a. Apply separately to each insured against whom claim is made and suit is brought, except with respect to limits of the insurer's liability.

b. Be endorsed to state that coverage shall not be suspended, voided or cancelled by either party except after notice is delivered in accordance with the policy provisions. The Contractor is to notify the City Purchasing Office by written notice via certified mail, return receipt requested.

4. The City shall retain the right to review, at any time, coverage, form, and amount of insurance.

5. The procuring of required policies of insurance shall not be construed to limit Contractor's liability nor to fulfill the indemnification provisions and requirements of this Contract. The extent of Contractor's liability for indemnity of the City shall not be limited by insurance coverage or lack thereof, or unreasonably delayed for any reason, including but not limited to, insurance coverage disputes between the Contractor and its carrier.

6. The Contractor shall be solely responsible for payment of all premiums for insurance contributing to the satisfaction of this Contract and shall be solely responsible for the payment of all deductibles and retentions to which such policies are subject, whether or not the City is an insured under the policy.

7. Claims Made Policies will be accepted for professional and hazardous materials and such other risks as are authorized by the City's Purchasing Office. All Claims Made Policies contributing to the satisfaction of the insurance requirements herein shall have an extended reporting period option or automatic coverage of not less than two (2) years. If provided as an option, the Contractor agrees to purchase the extended reporting period on cancellation or termination unless a new policy is affected with a retroactive date, including at least the last policy year.

8. Certificates of Insurance evidencing Claims Made or Occurrences form coverage and conditions to this Contract, as well as the contract number and description of work, are to be furnished to the City's Purchasing Office (4970 City Hall Boulevard, Suite 337, North Port, FL 34286) prior to commencement of work AND a minimum of thirty (30) calendar days prior to expiration of the insurance contract when applicable. All insurance certificates shall be received by the City's Purchasing Office before the Contractor will be allowed to commence or continue work. The

Certificate of Insurance issued by the underwriting department of the insurance carrier shall certify compliance with the insurance requirements provided herein.

Applicants / bidders should carefully review their existing insurances and consider their ability to meet these requirements prior to submission. The requirements should be forwarded to their agent, broker, and insurance providers for review

SECTION VI. BIDDER CHECKLIST

This checklist is provided to assist each Bidder in the preparation of their bid response. Included in this checklist are important requirements, which is the responsibility of each Bidder to submit with their response in order to make their response fully compliant. This checklist is only a guideline it is the responsibility of each Bidder to read and comply with the Invitation to Bid in its entirety.

- ☐ 1. Carefully read and become familiar with the Instructions to Bidders, General Provisions, Special Conditions and Technical Provisions, Permits, Inspections Reports, Surveys and Insurance Requirements.
- ☐ 2. Fill out and sign **Bid Form (acknowledge addenda, bond information, subcontractors and suppliers, if applicable).**
- ☐ 3. Fill out **Bid Price Schedule (unit prices must be filled in every block).**
- ☐ 4. Fill out and sign the **Statement of Organization** and have it properly notarized.
- ☐ 5. Provide **State of Florida Registration** (<http://www.sunbiz.org/search.html>)
- ☐ 6. Fill out and sign the **Non-Collusive Affidavit** and have it properly notarized.
- ☐ 7. Fill out and sign the **Conflict of Interest Form**
- ☐ 8. Fill out the **Reference Form**
- ☐ 9. Fill out and Sign the **Vendor Drug Free Workplace Form.**
- ☐ 10. Fill out and sign the **"Local Business Affidavit" or "North Port Local Business Affidavit"** (not applicable for this project)
- ☐ 11. Fill out and sign **Public Entity Crime Information**
- ☐ 12. Fill out and sign **No Lobbying Affidavit**
- ☐ 13. Provide **USB drive** (pdf of submittal)
- ☐ 14. Fill out and sign the **SWORN STATEMENT: THE FLORIDA TRENCH SAFETY ACT**
- ☐ 15. Provide **any additional documentation requested** within the Bid Document.
- ☐ 16. **Submit ONE (1) Original AND ONE (1) Copy of submittal.**
- ☐ 17. **CREDIT CARDS** Does your company accept Credit Card Payments? (Credit card payments will be processed upon the City's inspection and acceptance of goods/services and receipt of invoice for payment. The City will not pay fees for credit card transactions). ☐ YES ☐ NO
- ☐ 18. Clearly mark the sealed bid with the **BID NUMBER AND BID NAME** on the outside of the package.

City of North Port
Finance Department/Purchasing Division
Alla V. Skipper, Senior Contract Administrator
4970 City Hall, Suite 337
North Port, Florida 34286
RFB NO. 2018-33- 2018 Routine Road Maintenance Project

Date: _____

Signed (Person authorized to bind the company): _____

Name (printed): _____ Title: _____

(THIS PAGE MUST BE COMPLETED AND SUBMITTED)
BID FORM

Name of Bidder: _____

Business Address: _____

Telephone Number: _____ Fax Number: _____

E-mail Address: _____

Contractor License #: _____ FEID #: _____

To the City Commission of the City of North Port pursuant to and in compliance with your notice inviting sealed bids (Invitation to Bid), Instructions to Bidders, and the other documents relating thereto, the undersigned bidder, having familiarized himself/herself with the terms of the Contract documents, local conditions affecting the performance of the Contract, and the cost of the work at the place where the work is to be done, hereby proposes and agrees to perform within the time stipulated in the Contract, including all of its component parts and everything required to be performed, and to provide and furnish any and all of the labor, material, tools, expendable equipment, and all utility and transportation services and design of certain items necessary to perform the Contract and complete in a workmanlike manner, all of the work required in connection with the construction of said work all in strict conformity with the plans and specifications and other Contract documents for the prices hereinafter set forth.

The undersigned, as bidder, does hereby declare that he has read the Request for Bids, Instructions to Bidders, General Provisions, Special Provisions, Technical Specifications & Conditions, Insurance Requirements, Bid Form, Permit Fees, Plan Revisions, Plans, Schematics and any other documentation for: **RFB NO. 2018-33 2018 ROUTINE ROAD MAINTENANCE PROJECT** and further agrees to furnish all items listed on the attached Bid Form in accordance with the Unit prices in the line items as indicated on the bid schedule form submitted. The above specified documents are herein incorporated into the Bid Form.

The undersigned as bidder, declares that the only persons or parties interested in this submittal as principals are those named herein; that this submittal is made without collusion with any person, firm, or corporation; and he/she proposes and agrees, if the proposal is accepted, that he/she will execute a Contract with the City in the form set forth in the Contract documents and that he/she will accept in full payment thereof the following prices, to wit:

TOTAL BID PRICE:

_____ \$ _____
(TYPE/PRINT) (NUMERIC)

Through the signing of this Bid Form, Bidder attests his/her bid is guaranteed for a period of not less than **NINETY (90) DAYS** from the date of the official bid opening.

Date: _____

Signed (Person authorized to bind the company): _____

Name (printed): _____ Title: _____

THIS PAGE MUST BE COMPLETED AND SUBMITTED

The undersigned acknowledges receipt of the following addenda, and the cost, if any, of such revisions has been included in the bid price.

Addendum No.		Dated		Addendum No.		Dated	
Addendum No.		Dated		Addendum No.		Dated	
Addendum No.		Dated		Addendum No.		Dated	
Addendum No.		Dated		Addendum No.		Dated	

BID BOND AND PERFORMANCE/PAYMENT BOND

BID BOND: ACCOMPANYING THIS PROPOSAL IS (insert: “cash”, “bidder’s bond”, or “certified check”, as the case may be) in an amount equal to at least 5% of the total amount of the bid, payable to the City of North Port. Cashier’s checks will be returned to all bidders after award of bid.

The undersigned deposits the above-named security as a proposal guarantee and agrees that it shall be forfeited to the City as liquidated damages in case this proposal is accepted by the City and the undersigned fails to execute a contract with the City as specified in the contract documents accompanied by the required labor and material and faithful performance bonds with sureties satisfactory to the City, and accompanied by the required certificates of insurance coverage. Should the City be required to engage the services of an attorney in connection with the enforcement of this bid, bidder promises to pay City’s reasonable attorneys’ fees incurred with or without suit.

The undersigned agrees, if awarded this bid, to furnish a Performance and Payment Bond in the amount of 100% of the total project price within ten (10) calendar days after notification of award to the Purchasing Department. The undersigned shall be responsible and bear all costs associated to record Performance and Payment Bond with Sarasota County Clerk’s Office. Receipt of said recording and a certified copy of the Bond shall be furnished to the Purchasing Division at the time of the pre-construction meeting.

All contract documents (i.e.; performance and payment bond, cashier’s check, bid bond) shall be in the name of “City of North Port”.

Date: _____

Signed (Person authorized to bind the company): _____

Name (printed): _____ Title: _____

THIS PAGE MUST BE COMPLETED AND SUBMITTED

SUMMARY OF PAY ITEMS

BID SCHEDULE - SUMMARY OF PAY ITEMS

It is understood that the estimated summary of pay item quantities are approximate only and are solely for the purpose of facilitating the comparison of bids, and that the Contractor's compensation shall be computed upon the basis of the actual quantities in the completed work, whether they be more or less than those shown.

Preparation of Bid Schedules: Contractor MUST use the bid schedule provided in this document **or** in excel document format provided by the City (**DO NOT RECREATE THIS FORM**). All blank spaces in the Bid Form must be filled in legibly.

Bidder should not reference the words "No Charge, N/A, included, dash, etc." in any of the blocks. Bidder must identify a monetary amount for each UNIT PRICE line item and the extended price (unless the unit price is "x" out by the City).

If bidder is not providing a bid price for an item, zero (0) must be designated on that line item. Failure to identify a monetary amount in any of the UNIT PRICE line items may cause bidder to be deemed non-responsive and bid response be rejected. In case of discrepancy between unit price and extended price, the unit price will govern. Apparent errors in extension will be corrected.

MEASUREMENT OF QUANTITIES: The Contractor shall submit quantities measured in accordance with the Technical Specifications section TS-24. The quantities of work performed and submitted will be verified and/or adjusted by the City. The City verified or adjusted measurements shall be final and binding. All work computed under the contract shall be measured according to the United States Standard Measurement and Weights. The City does not assume any responsibility that the final quantities will remain in accord with estimated quantities, nor shall the Contractor claim misunderstanding or deception because of such estimate of quantities. The estimated quantities of work to be done and material to be provided may be increased, decreased, or omitted, as provided herein. Any increase in quantities shall be approved by the City prior to any work.

***THIS SPACE IS LEFT INTENTIONALLY BLANK
GO TO NEXT PAGE FOR SCHEDULE***

COMPANY NAME: _____

NAME/TITLE OF PERSON AUTHORIZED TO BIND: _____

This page must be completed and submitted

BID SCHEDULE FY2018 ROAD MAINTENANCE - 45 MILES & W. PRICE						
ENGINEER'S ESTIMATED SUMMARY OF PAY ITEMS						
Item Description	Unit	Maint Qty	W Price Qty	Total Qty	Unit Price	Extended Price
1) M.O.T.						
M.O.T. Maintenance	LS	1	-	1		
M.O.T. W Price	LS	-	1	1		
2) Resurfacing						
a. Type SP Fine (TL C) (trackless tack)	TN	37,247	2,484	39,731		
b. Asphalt Base Course (Type B 12.5 or SP 12.5)	TN	300	100	400		
3) Asphalt Removal & Disposal						
Milling (0-1 1/2")(1" Avg)	SY	559,071	25,261	584,332		
4) Road Striping						
a. 6" Yellow [skip]	LF	0	2,088	2,088		
b. 6" Solid Yellow	LF	320	600	920		
c. 6" Solid White	LF	0	16,700	16,700		
d. Stop Bar	EA	25	24	49		
e. Turn Arrow	EA	4	12	16		
f. R.P.M.	EA	0	250	250		
g. Crosswalk	EA	12	24	36		
5) Survey						
Restore Existing PCPs & Ref Points	EA	400	20	420		
6) ERCP (includes T-Swale pipe) or ADS Pipe						
12x18	LF	424	0	424		
14x23	LF	810	0	810		
19x30	LF	1,444	0	1,444		
24x38	LF	896	0	896		
29x45	LF	24	0	24		
ADS 15 / CAP 11x18	LF	20	0	20		
6a) Mitered End Section (MES ERCP)						
MES 19x30	EA	4	0	4		
MES 24x38	EA	4	0	4		
6b) Catch Basin/Inlet Concrete						
Type D	EA	2	0	2		
Type E	EA	11	0	11		
Type H	EA	3	0	3		
Type Modify Existing	EA	1	0	1		
7) Embankment/Borrow Excavation						
a. Borrow (Truck Measure)	CY	1,000	200	1,200		
8) Sidewalk/Driveway Restoration						
Sidewalk/Driveway 4"-6" Remove & Replace	SY	100	100	200		
9) Traffic Signal Loop Dectectors						
a. Loop Assemble- F&I (Type B)	AS	0	2	2		
b. Loop Assemble- F&I (Type F)	AS	0	4	4		
10) Sod/RipRap/Restoration						
a. Sod	SY	8,000	2,000	10,000		
b. RipRap (Rubble Ditch)	TN	100	0	100		
SUB-TOTAL BID PRICE (ITEMS 1-10)						
11) CNP Utility Adjustments (Contingency) - DO NOT BID						
CNP Utility Adjustments Maintenance	LS	1	-	1	\$10,000.00	\$10,000.00
CNP Utility Adjustments W Price	LS	-	1	1	\$10,000.00	\$10,000.00
TOTAL BID PRICE (ITEMS 1-11)						

REFERENCES AND QUALIFICATIONS AND EXPERIENCE

Bidder not demonstrating minimum similar and acceptable experience shall be deemed non-responsible. Documentation demonstrating that bidder meets this minimum requirement **(AS PER SP-28)** shall be stated in the below along with reference contact information and additional documentation may be submitted with your Submittal Package (**attach additional sheets if necessary**).

1. Business/Customer Name: _____

Name of Contact Person: _____ Telephone# _____

E-mail: _____

Project Description/Location: _____

Contract Term: From _____ TO _____

Contract Price \$ _____ Contract Price at Completion of the Project \$ _____

2. Business/Customer Name: _____

Name of Contact Person: _____ Telephone# _____

E-Mail: _____

Project Description/Location: _____

Contract Term: From _____ TO _____

Contract Price \$ _____ Contract Price at Completion of the Project \$ _____

3. Business/Customer Name: _____

Name of Contact Person: _____ Telephone# _____

E-Mail: _____

COMPANY NAME: _____

NAME/TITLE OF PERSON AUTHORIZED TO BIND: _____

This page must be completed and submitted

Project Description/Location: _____

Contract Term: From _____ TO _____

Contract Price \$ _____ Contract Price at Completion of the Project \$ _____

4. Business/Customer Name: _____

Name of Contact Person: _____ Telephone# _____

E-Mail: _____

Project Description/Location: _____

Contract Term: From _____ TO _____

Contract Price \$ _____ Contract Price at Completion of the Project \$ _____

5. Business/Customer Name: _____

Name of Contact Person: _____ Telephone# _____

E-Mail: _____

Project Description/Location: _____

Contract Term: From _____ TO _____

Contract Price \$ _____ Contract Price at Completion of the Project \$ _____

COMPANY NAME: _____

NAME/TITLE OF PERSON AUTHORIZED TO BIND: _____

This page must be completed and submitted

STATEMENT OF ORGANIZATION

Name of Business: _____

DBA (if any): _____

Type of Entity (Sole Proprietor, Corporation, LLC, LLP, Partnership, etc): _____

Business Address: _____

Mailing Address (If applicable): _____

Phone: _____ Fax: _____

E-Mail: _____

Name/Title of person authorized to bind: _____

Signature: _____

Are you registered with the State of Florida Department of State? ☐ Yes or ☐ No

If yes, what is your State document number? _____

Respondent shall submit proof that it is authorized to do business in the State of Florida unless registration is not required by law.

STATE OF _____

COUNTY OF _____

Sworn to and subscribed before me this ____ day of _____, 20__, by _____ who ☐ is personally known to me or ☐ has produced his/her driver's license as identification.

Notary Public - State of Florida

Print Name: _____

Commission No: _____

This page must be completed and submitted

EQUIPMENT LIST (IF APPLICABLE)

Equipment is located at: _____

The following is a listing of your equipment, inclusive of manufacturer, year and condition. Condition shall be listed in accordance with the following scale: **1-Excellent; 2-Good; 3-Fair; 4-Poor.** (Attach additional sheets, if required.)

Description	Manufacturer	Year	Condition	Leased/Owned (If leased, date of expiration)

SOURCE OF SUPPLY AND SUBCONTRACTOR FORM

The following sources of supply and subcontractors shall be used for the **2018 ROUTINE ROAD MAINTENANCE PROJECT**. If bidder does not have a source of supply or subcontractor, insert "to be determined". When a source or subcontractor is determined, selection will be subject to City approval. (If not applicable, state N/A).

SUBCONTRACTOR(S) (PLEASE INCLUDE ADDRESS/TELEPHONE NUMBER)

1. _____
2. _____
3. _____
4. _____

SUPPLIER(S)

1. _____
2. _____
3. _____
4. _____

COMPANY: _____

SIGNATURE: _____

This page must be completed and submitted

CONFLICT OF INTEREST FORM

F.S. §112.313 places limitations on public officers (including advisory board members) and employees' ability to contract with the City either directly or indirectly. Therefore, please indicate if the following applies:

PART I.

- ☐ I am an employee, public officer or advisory board member of the City
_____ (List Position Or Board)
- ☐ I am the spouse or child of an employee, public officer or advisory board member of the City
Name: _____
- ☐ An employee, public officer or advisory board member of the City, or their spouse or child, is an officer, partner, director, or proprietor of Respondent or has a material interest in Respondent. "Material interest" means direct or indirect ownership of more than 5 percent of the total assets or capital stock of any business entity. For the purposes of [§112.313], indirect ownership does not include ownership by a spouse or minor child.
Name: _____
- ☐ Respondent employs or contracts with an employee, public officer or advisory board member of the City
Name: _____
- ☐ None of The Above

PART II:

Are you going to request an advisory board member waiver?

- ☐ I will request an advisory board member waiver under §112.313(12)
- ☐ I will NOT request an advisory board member waiver under §112.313(12)
- ☐ N/A

The City shall review any relationships which may be prohibited under the Florida Ethics Code and will disqualify any bidders whose conflicts are not waived or exempt.

COMPANY: _____

SIGNATURE: _____

DATE: _____

This page must be completed and submitted

AFFIDAVIT
Claiming Status as a LOCAL BUSINESS

****CONTRACTOR MUST MEET ALL 4 REQUIREMENTS BELOW TO CLAIM LOCAL BUSINESS STATUS****

State of _____ }
County of _____ } SS.

Before me, the undersigned authority, personally appeared: _____
who, being first duly sworn, deposes and says that:

1. I am the _____ (Owner, Partner, Officer, Representative or Agent) of _____,
the Bidder that has submitted the attached proposal;

AND

2. I am fully informed respecting the operation and employees of the Bidder;

AND

3. I affirm that the Bidder has maintained a physical business address located within the limits of Sarasota County, Charlotte County or Desoto County for a period of six (6) months or more before submitting this bid, from which the Bidder operates or performs business. The qualifying local address is _____

AND

4. I affirm that at least fifty percent (50%) of the Bidder's employees are residents of the City of North Port. If requested by the City, the bidder will be required to provide documentation substantiating the information given in this affidavit. City of North Port reserves the right to request supporting documentation as evidence to substantiate the information given in this affidavit. Failure to do so will result in the bidder's submission being deemed non-responsive.

Any bidder that misrepresents its status as a local business or North Port local business shall be barred from receiving any City contracts for a period of three (3) years.

State of Florida
County of _____

Sworn to and subscribed before me this _____ day of _____, 20____, by _____ who ☐ is
personally known to me or ☐ has produced his driver's license as identification.

NOTARY SEAL:

Notary Public - State of Florida

Print Name: _____

Commission No: _____

This page to be returned ONLY if Contractor is claiming a Local Business Status.
AFFIDAVIT

Claiming Status as a North Port Local Business

****CONTRACTOR MUST MEET ALL 4 REQUIREMENTS BELOW TO CLAIM NORTH PORT BUSINESS STATUS****

State of _____ }
County of _____ } SS.

Before me, the undersigned authority, personally appeared:

_____ who, being first duly sworn, deposes and says that:

1. I am the _____ (Owner, Partner, Officer, Representative or Agent) of _____, the Bidder that has submitted the attached bid;

AND

2. I am fully informed respecting the operation and employees of the Bidder;

AND

3. I affirm that the Bidder has maintained its primary physical business address within the limits of the City of North Port for a period of six (6) months or more before submitting this bid, from which the Bidder operates or performs business. The qualifying local address is _____.

AND

4. I affirm that at least fifty percent (50%) of the Bidder's employees are residents of the City of North Port.

If requested by the City, the bidder will be required to provide documentation substantiating the information given in this affidavit. City of North Port reserves the right to request supporting documentation as evidence to substantiate the information given in this affidavit. Failure to do so will result in the bidder's submission being deemed non-responsive.

Any bidder that misrepresents its status as a local business or North Port local business shall be barred from receiving any City contracts for a period of three (3) years.

State of Florida
County of _____

Sworn to and subscribed before me this _____ day of _____, 20____, by _____ who ☐ is personally known to me or ☐ has produced his driver's license as identification.

NOTARY SEAL:

Notary Public - State of Florida

Print Name: _____

Commission No: _____

This page to be returned ONLY if Contractor is claiming a North Port Local Business Status.

PUBLIC ENTITY CRIME INFORMATION

As provided by F.S. §287.133, a person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a Contractor, supplier, Subcontractor, or Consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

I, _____, being an authorized representative of the Respondent,
_____, located at _____

City: _____ State: _____ Zip Code: _____, have read and understand
the contents above. I further certify that Respondent is not disqualified from replying to this solicitation because of F.S.
§287.133.

Signature: _____ Date: _____

Telephone #: _____ Fax #: _____

Federal ID #: _____

STATE OF _____

COUNTY OF _____

Sworn to and subscribed before me this ____ day of _____, 20__, by _____

who ☐ is personally known to me or ☐ has produced his/her driver's license as identification.

Notary Public - State of Florida

Print Name: _____

Commission No: _____

THIS PAGE MUST BE SUBMITTED

NON-COLLUSIVE AFFIDAVIT

State of _____
County of _____

SS. }

Before me, the undersigned authority, personally appeared:

_____ who, being first duly sworn, deposes and says that:

1. He/She is the _____ (Owner, Partner, Officer, Representative or Agent) of _____, the Respondent that has submitted the attached reply;

2. He/She is fully informed respecting the preparation and contents of the attached reply and of all pertinent circumstances respecting such reply;

3. Such reply is genuine and is not a collusive or sham reply;

4. Neither the said Respondent nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, have in any way colluded, conspired, connived or agreed, directly or indirectly, with any other Respondent, firm, or person to submit a collusive or sham reply in connection with the work for which the attached reply has been submitted; or have in any manner, directly or indirectly sought by agreement or collusion, or communication or conference with any Respondent, firm, or person to fix the price or prices in the attached reply or of any other Respondent, or to fix any overhead, profit, or cost elements of the reply price or the reply price of any other Respondent, or to secure through any collusion, conspiracy, connivance, or unlawful agreement any advantage against (Recipient), or any person interested in the reply work.

Signed, sealed and delivered this _____ day of _____, 20____.

By: _____

(Printed Name)

(Title)

STATE OF _____

COUNTY OF _____

Sworn to and subscribed before me this ____ day of _____, 20__, by _____ who ☐ is personally known to me or ☐ has produced his/her driver's license as identification.

Notary Public - State of Florida

Print Name: _____

Commission No: _____

COMPANY: _____

SIGNATURE: _____

This page must be completed and submitted

LOBBYING CERTIFICATION

"The undersigned hereby certifies, to the best of his or her knowledge and belief, that":

STATE OF FLORIDA

COUNTY OF SARASOTA

This _____ day _____ of 20__

_____, being first duly sworn, deposes and says that he or she is the authorized representative of _____ (Name of the contractor, firm or individual), and that the vendor and any of its agents agree to have no contact or communication with, or discuss any matter related in any way to any active City of North Port solicitation, with any City of North Port elected officials, officers, their appointees or their agents or any other staff or outside individuals working with the city in respect to this request other than the designated Procurement Official Contact and to abide by the restrictions outlined in the General Terms and Conditions of the Solicitation. Technical questions directed to the project manager, is prohibited. These persons shall not be lobbied, either individually or collectively, regarding any questions for bid, proposal, qualification and/or any other solicitations released by the city. To do so is grounds for immediate disqualification from the selection process. The selection process is not considered final until such a time as the Commission has made a final and conclusive determination.

(a) No City appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence either directly or indirectly an officer or employee of the City, City Commission in connection with the awarding of any City Contract.

(b) If any funds other than City appropriated funds have been paid or will be paid to any person for influencing or attempting to influence a member of City Commission or an officer or employee of the City in connection with this contract, the undersigned shall complete and submit Standard Form-L "Disclosure Form to Report Lobbying", in accordance with its instructions.

Signed, sealed and delivered this _____ day of _____, 20__.

By: _____

(Printed Name)

(Title)

STATE OF _____

COUNTY OF _____

Sworn to and subscribed before me this ____ day of _____, 20__, by _____ who ☐ is personally known to me or ☐ has produced his/her driver's license as identification.

Notary Public - State of Florida

Print Name: _____

Commission No: _____

THIS PAGE MUST BE SUBMITTED

DRUG FREE WORKPLACE FORM

The undersigned Respondent in accordance with Florida Statute §287.087 hereby certifies that _____ does:

(Company Name)

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug free workplace through implementation of this section.

As the person authorized to sign the statement, I certify that Respondent complies fully with the above requirements.

Check one:

- ☐ As the person authorized to sign this statement, I certify that this firm complies fully with above requirements.
- ☐ As the person authorized to sign this statement, this firm **does not** comply fully with the above requirements.

Signature

Print Name

Date

This page must be completed and submitted

SWORN STATEMENT: THE FLORIDA TRENCH SAFETY ACT

(Complete if applicable)

THIS FORM MUST BE SIGNED IN THE PRESENCE OF A NOTARY PUBLIC BY AN OFFICER AUTHORIZED TO ADMINISTER OATHS.

1. This Sworn Statement is submitted with Bid No. _____ for the construction of _____.
2. This Sworn Statement is submitted by _____ whose business address is _____ and (if applicable) its Federal Employer Identification Number (FEIN) is _____.
3. My name is _____ (PRINTED OR TYPED NAME OF INDIVIDUAL SIGNING) and hold the position of _____ with the above entity.
4. The Trench Safety Standards that will be in effect during the construction of this Project are Florida Statute Section 553.60-55.64, Trench Safety Act, and OSHA Standard.
5. The undersigned assures that the entity will comply with the applicable Trench Safety Standards and agrees to indemnify and hold harmless the County and ENGINEER, and any of their agents or employees from any claims arising from the failure to comply with said standard.
6. The undersigned has appropriated \$_____ per linear foot of trench to be excavated over 5' deep for compliance with the applicable standards and intends to comply by instituting the following procedures: _____
7. The undersigned has appropriated \$_____ per square foot for compliance with shoring safety requirements and intends to comply by instituting the following procedures: _____
8. The undersigned, in submitting this Bid, represents that he or she has reviewed and considered all available geotechnical information and made such other investigations and tests as he or she may deem necessary to adequately design the trench safety system(s) he or she will utilize on this Project.

Authorized Signature/Title

Sworn to and subscribed before me

this _____
(date)

Notary Public Signature

(Notary Seal)

My Commission Expires: _____

SCRUTINIZED COMPANY AFFIDAVIT AND CERTIFICATION

State of _____
County of _____

SS. }

Florida Statutes §287.135 (2011) prohibits local governments from contracting with Scrutinized Companies for contracts valued at one million dollars (\$1,000,000.00) or greater, subject to certain exceptions.

Before me, the undersigned authority, personally appeared:
_____ who, being first duly sworn, deposes and says that:

1. I am the _____ (Owner, Partner, Officer, Representative or Agent) of _____ that has submitted the attached proposal.
2. I am fully informed respecting the Bidder.
3. I have read and am familiar with the requirements of Florida Statutes §287.135 (2011).
4. The Bidder is not on the Scrutinized Companies with Activities in Sudan list or the Scrutinized Companies with Activities in Iran Petroleum Energy Sector list as defined in Florida Statutes §215.473 and is therefore eligible to submit this bid or proposal.
5. Under penalties of perjury, I declare that I have examined this affidavit and certification and to the best of my knowledge and belief, it is true, correct, and complete.

Signed, sealed and delivered this _____ day of _____, 20__.

By: _____

Sworn to and subscribed before me this _____ day of _____, 20__, by _____ who
☐ is personally known to me or ☐ has produced his/her driver's license as identification.

Notary Public - State of _____

Print Name: _____

Commission No: _____

"SAMPLE" CONTRACT

SUBJECT TO CHANGE

This **Contract** ("Contract") is made this **xxth day of JANUARY, 2018**, by and between the **CITY OF NORTH PORT**, a municipal corporation of the State of Florida, hereinafter referred to as the "City" and **CONTRACTORS, INC.**, a Florida corporation, hereinafter referred to as the "Contractor."

WITNESSETH

That the parties to this Contract, in consideration of their mutual agreements and promises hereinafter contained, bind themselves, their partners, successors, assigns and legal representatives to all covenants, agreements and obligations contained in the agreements and bid documents executed between the parties, and do hereby further agree as follows:

1. RESPONSIBILITIES OF THE CONTRACTOR:

A. Responsibility for and Supervision: The Contractor shall supervise and direct the work to the best of his/her ability, give it all the attention necessary for such proper supervision and direction and not employ for work on the project any person without sufficient skill to perform the job for which the person was employed. The Contractor shall be solely responsible for all duties under this Contract, including, but not limited to, the techniques, sequences, procedures and means, and for all coordination of the work.

The Contractor assumes full responsibility for acts, negligence, or omissions of all his/her employees on the project, for those subcontractors and their employees, and for those of all other persons doing work under a contract with him/her. All contracts between the Contractor and any such subcontractor as the Contractor shall hire, shall conform to the provisions of the Contract and bid documents and shall incorporate in them the relevant portions of this Contract.

B. Furnishing of Labor and Materials: The Contractor shall provide and pay for all labor, materials, and equipment, including tools, construction equipment and machinery, and all transportation and all other facilities and services necessary for the proper completion of the work in strict conformity with the provisions herein contained, and with the Request For Bid No. 2018-33, including the plans and specifications, addendums and with the proposal submitted by the Contractor and on file with the City. The foregoing Request for Bid (RFB), specifications, and proposal submitted by the Contractor, are hereby specifically made a part of this Contract and are incorporated herein.

The Contractor represents and warrants to the City that all equipment and materials used in the work, and made a part of the structures thereon, or placed permanently in connection therewith, will be new unless otherwise specified in the Contract and bid documents, of good quality, free of defects, and in conformity with the Contract and bid documents. It is understood between the parties thereto that all equipment and materials not in conformity are defective.

C. Public Records Law: In accordance with F.S. §119.0701, Contractor shall comply with all public records laws, and shall specifically:

1. Keep and maintain public records required by the City to perform the service.
 - a. The timeframes and classifications for records retention requirements must be in accordance with the General Records Schedule GS1-SL for State and Local Government Agencies.
(See <http://dos.dos.state.fl.us/library-archives/records-management/general-records-schedules/>).
 - b. "Public records" means and includes those items specified in Florida Statutes 119.011(12), as amended from time to time, and currently defined as: All documents, papers, letters, maps, books, tapes, photographs, films,

sound recordings, data processing software, or other material, regardless of the physical form, characteristics, or means of transmission, made or received pursuant to law or ordinance or in connection with the transaction of official business with the City. Contractor's records under this Agreement include but are not limited to, supplier/subcontractor invoices and contracts, project documents, meeting notes, e-mails and all other documentation generated during this Agreement.

2. Upon request from the City's custodian of public records, provide the City, at no cost, with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided for by law. All records kept electronically must be provided to the City, upon request from the City's custodian of public records, in a format that is compatible with the information technology systems of the City.

3. Ensure that project records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and, if the Contractor does not transfer the records to City following completion of the contract, for the time period specified in General Records Schedule GS1-SL for State and Local Government Agencies.

4. Upon completion of the contract, transfer, at no cost, to the City all public records in Contractor's possession or keep and maintain public records required by the City to perform the service. If the Contractor transfers all public records to the City upon completion of the contract, the Contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Contractor keeps and maintains public records upon the completion of the contract, the Contractor shall meet all applicable requirements for retaining public records.

5. **IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT CUSTODIAN OF PUBLIC RECORDS, 4970 CITY HALL BOULEVARD, NORTH PORT, FLORIDA 34286, 941.429.7063 OR HOTLINE 941.429.7270; E-MAIL: padkins@cityofnorthport.com.**

6. Failure of the CONTRACTOR to comply with these requirements shall be a material breach of this Agreement. Further, Contractor may be subject to penalties under Florida Statutes 119.10.

2. **CONTRACT PRICE:** In consideration of the foregoing services, work, labor and materials to be furnished by the contractor as per said plans, specifications and addendums, the City agrees to pay and the Contractor **\$XXX**

The **CONTRACT PRICE** is _____ (\$ _____)

3. **CONTRACT TIME:**

The Contractor specifically agrees that it will commence operations within a mutually agreed upon time following notification by the City to commence work and that all work to be performed under the provisions of this Contract shall be completed in not more than **240 calendar days** from the notice to proceed; subject only to delays caused through no fault of the Contractor or acts of God. The work will be substantially completed within **240 calendar days**; with final

completion within **fifteen (15) calendar days** after attaining Substantial Completion. Time is of the essence in the performance of this Contract.

W. PRICE BOULEVARD: A finish milestone of May 31, 2018 is set for substantial completion of W. Price Boulevard. All work identified in the contract for W. Price Boulevard shall be substantially completed by May 31, 2018. W. Price Boulevard lane closure work shall be performed at night between the hours of 7:00 P.M. and 6:00 A.M.

5. PAYMENT:

Two (2) original requests for payment must be submitted to the City of North Port on a City-approved form. Each pay request must be accompanied by an updated work schedule to reflect progress of work. Payment shall be accompanied by either written approval and direction of the surety, or receipt of updated affidavits of payment by subcontractors and/or suppliers, in accordance with Florida Statutes Section 255.05(11). Price shall be net and all invoices payable according to the Florida Local Government Prompt Payment Act (Florida Statutes chapter 218). Upon certification and approval by the City or its duly authorized agent, progress payments may be made to the Contractor upon its application for all services or work completed or materials furnished in accordance with the Contract. Prior to fifty percent (50%) completion, the Contractor will be paid monthly the total value of the work completed and accepted during the preceding month, less ten percent (10%) retainage. After fifty percent (50%) completion of the construction services purchased pursuant to the Contract, the City must reduce to five percent (5%) the amount of retainage withheld from each subsequent progress payment made to the Contractor upon request of the Contractor. For purposes of this subsection, the term "fifty percent (50%) completion" is the point at which the City has expended fifty percent (50%) of the total cost of the construction services purchased as identified in the Contract together with all costs associated with existing change orders and other additions or modifications to the construction services provided for in the Contract. The City shall inform the Contractor's Surety of any reduction in retainage. The Contractor must update each new pay request in accordance with any changes made to the previous submittal. The City or its duly authorized administrative agent, shall approve final payment for all work, materials or services furnished under this Contract retainage may be reduced upon issuance of the Certificate of Substantial Completion by the City if, in the sole opinion of the City, sufficient progress on the schedule has been accomplished, all required affidavits have been provided, and the City has retained adequate coverage for the project through the achievement of Final Completion.

5. LIQUIDATED DAMAGES:

The work shall be completed within the Contract time specified. The Contract time shall include the preparation, submittal, review and approval of submittals, delivery of materials, and construction, assembly, adjustment and placement into service for beneficial use of all facilities covered under this Contract.

The time for the completion of the 2018 Road Maintenance Project work shall be **240 calendar days** from date specified in the Notice to Proceed to final completion. **Note this contract contains a finish milestone of May 31, 2018 for work on W. Price Boulevard. W. Price Boulevard also contains night work lane closures from 7:00 P.M. to 6:00 A.M.**

The City shall issue a Notice of Substantial Completion when it has determined that the work identified in the Contract has been substantially completed; record drawings have been submitted and approved by the City and that the facility is operating satisfactorily. The Contract time also includes up to fourteen (14) calendar days for the review of submittals, excluding pay requests, by the City. The City shall provide the Contractor a punch list within two (2) calendar days after the Notice of Substantial Completion is issued. The punch list will identify the remaining items that must be addressed to the satisfaction of the City by the Contractor to meet his/her obligations under the Contract. The Contractor shall complete the items on the punch list to the satisfaction of the City within fifteen (15) additional calendar days of the issuance of the Final Punch List or Notice of Substantial Completion, whichever is later, and prior to submittal of the application for

reduction of retainage or final payment. Any cost incurred by the City (i.e. inspection time) after the fifteen (15) calendar day period shall be charged to the Contractor.

The City and the Contractor hereby agree that time is of the essence on this Contract and the City will suffer damages if the work is not substantially completed within the contract time, plus any extensions thereof allowed by Change Order. It is further recognized and agreed by the City and the Contractor that the determination of the exact value of the damages the City would suffer due to a delay in the Substantial Completion of the work would be a difficult, time consuming and costly process. It is therefore hereby agreed by the City and the Contractor that it is in their mutual interest to establish a figure of **TWO THOUSAND EIGHT HUNDRED ELEVEN DOLLARS (\$2,811.00)** as Liquidated Damages (but not as a penalty) as specified in section 8-10 of FDOT Standard Specifications dated July 2017, to be paid by the Contractor to the City for each calendar day that Substantial Completion is delayed beyond the Contract Time. It is mutually agreed by the City and the Contractor that neither shall make any claim to increase or reduce the amount to be paid under Liquidated Damages as the result of any calculation of actual damages suffered by the City as the result of delay in the Substantial Completion of the work.

ADDITIONAL LIQUIDATED DAMAGES FOR W. PRICE BOULEVARD: The City and the Contractor hereby agree that time is of the essence to complete work on W. Price Boulevard and the City will suffer damages if the work is not substantially completed by May 31, 2018, plus any extensions thereof allowed by Change Order. It is further recognized and agreed by the City and the Contractor that the determination of the exact value of the damages the City would suffer due to a delay in the Substantial Completion of the work would be a difficult, time consuming and costly process. It is therefore hereby agreed by the City and the Contractor that it is in their mutual interest to establish a figure of **SEVEN HUNDRED SIXTY-THREE DOLLARS (\$763.00)** as Liquidated Damages (but not as a penalty), to be paid by the Contractor to the City for each calendar day that Substantial Completion of **W. Price Boulevard is delayed beyond May 31, 2018**. It is mutually agreed by the City and the Contractor that neither shall make any claim to increase or reduce the amount to be paid under Liquidated Damages as the result of any calculation of actual damages suffered by the City as the result of delay in the Substantial Completion of the work.

6. BONDS:

A. Bond Requirements: The successful bidder shall provide the required performance and payment bond or other acceptable security to the City within **ten (10) business days of being awarded the bid. Failure by the successful bidder to provide the bond within ten (10) business days shall be considered a default under Sec. 2-404 of the City of North Port Administrative Code.** Upon such default the City may immediately award the bid to the next lowest responsive and responsible bidder, and recover from the original successful bidder the difference in cost between the original winning bid and the next lowest responsive and responsible bidder. Such default shall only be curable at the option of the City.

In addition, the Contractor shall be responsible and bear all costs associated to record the Performance and Payment Bond with Sarasota County Clerk's Office. The Contractor shall furnish the receipt of said recording and certified copy of the bond to the Purchasing Department at the time of the pre-construction meeting. Such default shall only be curable at the option of the City.

B. Performance and Payment Bond: The Contractor shall provide a Performance and Payment Bond, in the form prescribed in Florida Statutes Section 255.05 in the amount of one hundred percent (100%) of the Contract amount, the costs of which are to be paid by the Contractor. The bond will be acceptable to the City only if the Surety Company:

1. Is licensed to do business in the State of Florida;
2. Holds a certificate of authority authorizing it to write surety bonds in this state;
3. Has twice the minimum surplus and capital required by the Florida Insurance Code at the time the invitation to bid is issued;
4. Is otherwise in compliance with the provisions of the Florida Insurance Code;
5. Holds a currently valid certificate of authority issued by the United States Department of Treasury under 31 U.S.C. §§ 9304-9308;
6. A current rating of at least Excellent (A or A-) as reported in the most current Best Key Rating Guide, published by A.M. Best Company, Inc., of 75 Fulton Street, New York, New York 10038; and
7. With an underwriting limitation of at least two times the dollar amount of the contract.

If the Surety Company for any bond furnished by the Contractor files for bankruptcy, has a receiver appointed, is declared bankrupt, becomes insolvent, has an assignment made for the benefit of creditors, has its right to do business terminated in the State of Florida, or ceases to meet the requirements imposed by the Contract Documents, the Contractor shall, within five (5) calendar days thereafter, substitute another Bond and Surety Company, both of which shall be subject to the City's approval.

By execution of this bond, the Surety Company acknowledges that it has read the surety qualifications and surety obligations imposed by the Contract documents and hereby satisfies those conditions.

7. INSURANCE:

Before performing any Contract work, the Contractor shall procure and maintain, during the life of this Contract, the following types of insurance coverage and shall furnish certificates representing such insurance to the City. The policies of insurance shall be primary and written on forms acceptable to the City and placed with insurance carriers approved and licensed by the Insurance Department in the State of Florida and meet a minimum financial AM Best and Company rating of no less than "A- Excellent: FSC VII." No changes are to be made to these specifications without prior written approval by the City Manager or designee. The City Manager or designee may alter the amounts or types of insurance policies required by this Contract upon agreement with Contractor.

A. Required Policies:

1. Workers' Compensation and Employers' Liability Insurance (per Florida Statutes chapter 440): The Contractor shall procure and maintain during the life of this Contract Workers' Compensation insurance for all the Contractor's employees to be engaged in work on the project under this Contract and, in case any such work is sublet, the Contractor shall require the subcontractor similarly to provide Workers' Compensation insurance for all of the latter's employees to be engaged in such work unless such employees are covered by protection afforded by the Contractor's Workers' Compensation insurance. For additional information contact the Department of Financial Services, Workers' Compensation Division at 850.413.1601 or on the web at www.fldfs.com. In case any class of employees engaged in hazardous work on the project under this Contract is not protected under the Workers' Compensation Statute, the

Contractor shall provide, and shall cause each subcontractor to provide, Employer's Liability Insurance for the protection of the Contractor's employees not otherwise protected under such provisions. The minimum liability limits of such insurance shall not be less than herein specified or in that amount specified by law for that type of damage claim.

The Contractor shall file proof of such insurance with the City within ten (10) days after the execution of this Contract. Coverage is to apply for all employees in the statutory limits in compliance with the applicable state and federal laws. The policy must include Employers' Liability with a limit of \$1,000,000 for each accident; \$1,000,000 each employee; and \$1,000,000 policy limit for disease.

2. Comprehensive General Liability: The Contractor shall procure and maintain, and require all subcontractors to procure and maintain during the life of this Contract, a comprehensive general liability policy, including, but not limited to: 1) Independent Contractor's liability; 2) products and completed operations liability; 3) contractual liability; 4) broad form property damage liability; and 5) personal injury liability. The minimum limits shall be no less than \$1,000,000 each occurrence; \$1,000,000 general aggregate; \$1,000,000 products and completed operations; and \$100,000 damage to rented premises.
3. Business Automobile Liability: The Contractor shall procure and maintain, and require all subcontractors to procure and maintain, during the life of this Contract, automobile liability insurance including all owned, hired, and non-owned automobiles. The minimum combined single limit per occurrence shall be no less than \$1,000,000 for bodily injury and property damage liability. This shall include owned vehicles, hired, and non-owned vehicles, as well as employee's non-ownership.

B. Special Requirements:

1. Occurrence Basis: All policies required by this Contract, with the exception of Workers' Compensation, or unless Risk Management through the City's Purchasing Office gives specific approval, are to be written on an occurrence basis. Claims Made Policies will be accepted for professional and hazardous materials and such other risks only as the City's Purchasing Office authorizes. All Claims Made Policies contributing to the satisfaction of the insurance requirements herein shall have an extended reporting period option or automatic coverage of not less than two (2) years. If provided as an option, the Contractor agrees to purchase the extended reporting period on cancellation or termination unless a new policy is affected with a retroactive date, including at least the last policy year.
2. Additional Insured: All policies required by this Contract, with the exception of Workers' Compensation, or unless Risk Management through the City's Purchasing Office gives specific approval, shall name the City of North Port, its Commissioners, officers, agents, employees and volunteers as additional insureds as their interest may appear under this Contract. This MUST be written in the description of operations section of the insurance certificate, even if there is a check-off-box on the insurance certificate. Any costs for adding the City as "additional insured" shall be at the Contractor's expense.
3. Certificates of Insurance: All certificates of insurance must be on file with and approved by the City before commencement of any work activities under this Contract. All certificate(s) of insurance required herein must be accompanied by a copy of the additionally insured documents/endorsements (CG 20101185 or combination of CG 2010370704 and CG 20370704). Certificates of Insurance evidencing claims made or occurrences form coverage and conditions to this Contract, as well as the contract number and description of work, are to be furnished to the City's Purchasing Office (4970 City Hall Boulevard, Suite 337, North Port, FL 34286) prior to commencement of work AND a minimum of thirty

(30) calendar days prior to expiration of the insurance contract when applicable. The Certificate of Insurance issued by the underwriting department of the insurance carrier shall certify compliance with the insurance requirements provided herein.

4. Premiums and Deductibles: The Contractor shall be solely responsible for payment of all premiums for insurance contributing to the satisfaction of this Contract and shall be solely responsible for the payment of all deductibles and retention to which such policies are subject, whether or not the City is an insured under the policy. The Contractor's insurance is considered primary for any loss regardless of any insurance maintained by the City. The Contractor is responsible for all insurance policy premiums, deductibles, SIR (self-insured retentions) or any loss or portion of any loss that is not covered by any available insurance policy.
5. Waiver of Subrogation: All required insurance policies are to be endorsed with a waiver of subrogation. The insurance companies, by proper endorsement or thru other means, agree to waive all rights of subrogation against the City, its officers, officials, agents, employees, affiliates and volunteers, and the City's insurance carriers, for losses paid under the terms of these policies that arises from the contractual relationship or work performed by the Contractor for the City. It is the Contractor's responsibility to notify each insurance company of the Waiver of Subrogation and request written authorization or the proper endorsement. Additionally, the Contractor, its officers, officials, agents, employees, volunteers, and any subcontractors, agree to waive all rights of subrogation against the City, its officers, officials, agents, employees, affiliates and volunteers, and the City's insurance carriers for any losses paid, sustained or incurred, but not covered by insurance, that arise from the contractual relationship or work performed. This waiver also applies to any deductibles or self-insured retentions for which the Contractor or its agents may be responsible.

C. Other Policy Requirements:

1. All insurance policies must be issued by companies of recognized responsibility licensed to do business in Florida and must contain a provision that prohibits cancellation unless the City is provided notice as stated within the policy. It is the Contractor's responsibility to provide notice to the City.
2. Insurance requirements itemized in this Contract, and required of the Contractor, shall be provided by or on behalf of all subcontractors to cover their operations performed under this Contract. The Contractor shall be held responsible for any modifications, deviations, or omissions in these insurance requirements as they apply to subcontractors.
3. Each insurance policy required by this Contract shall apply separately to each insured against whom claim is made and suit is brought, except with respect to limits of the insurer's liability.
4. Each insurance policy required by this Contract shall be endorsed to state that coverage shall not be suspended, voided or cancelled by either party except after notice is delivered in accordance with the policy provisions. The Contractor shall notify the City Purchasing Office by written notice via certified mail, return receipt requested.
5. The City shall retain the right to review, at any time, coverage, form, and amount of insurance.
6. The procuring of required policies of insurance shall not be construed to limit the Contractor's liability nor to fulfill the indemnification provisions and requirements of this Contract. The extent of the

Contractor's liability for indemnity of the City shall not be limited by insurance coverage or lack thereof, or unreasonably delayed for any reason, including but not limited to, insurance coverage disputes between the Contractor and its carrier.

8. INDEMNITY:

The Contractor shall indemnify and hold harmless the City, its Commissioners, officers, and employees, from and against any and all liabilities, damages, losses and costs (including attorneys' fees and court costs, whether such fees and costs are incurred in negotiations, collection of attorneys' fees or at the trial level or on appeal), which may arise out of any negligence, recklessness, or intentional wrongful misconduct of the Contractor (or the Contractor's Officers, subcontractors, sub-subcontractors, materialmen, or the employees, or agents of any one of them, if any) in the performance or the failure to perform under the terms of the Contract. In the event of a claim, the City shall promptly notify the Contractor in writing by prepaid certified mail (return receipt requested), or by delivery through any nationally recognized courier service (such as Federal Express or UPS) which provides evidence of delivery, at the address provided in Section 18. Notification may also be provided by fax transmission to the number provided in Section 18, if provided.

The City shall provide all available information and assistance that the Contractor may reasonably require regarding any claim. This agreement for indemnification shall survive termination or completion of this Contract. The insurance coverage and limits required in this Contract may or may not be adequate to protect the City and such insurance coverage shall not be deemed a limitation on the Contractor's liability under the indemnity provided in this section. In any proceedings between the parties arising out of or related to this Indemnity provision, the prevailing party shall be reimbursed all costs, expenses and reasonable attorney fees through all proceedings (at both trial and appellate levels).

9. CONTRACTOR'S AFFIDAVIT:

When all work contemplated by this Contract has been completed, and has been inspected and approved by the City, or its duly authorized agent, the Contractor shall furnish to the City, the Contractor's Affidavit as required by the Mechanic's Lien Law of the State of Florida. Signed affidavits of payment will also be required by the City from not only the Contractor, but also from any and all subcontractors hired by the Contractor. The affidavits shall state whether the subcontractor(s) has been paid in full or whether there are payments remaining. A list of all subcontractors shall be furnished to the City prior to any payments against the Contract.

10. TERMINATION AND DEFAULT:

The City Manager or designee shall have the right at any time upon **thirty (30) calendar days'** written notice to the Contractor to terminate the services of the Contractor and, in that event, the Contractor shall cease work and shall deliver to the City all documents (including but not limited to reports, designs, specifications, and all other data) prepared or obtained by the Contractor in connection with its services. Upon delivery of the documents, the City shall pay the Contractor in full settlement of all claims by it hereunder as the work actually completed bears to the entire work under the Contract, as determined by the City, less payments already made to the Contractor, and any amounts the City withheld to settle claims against or to pay indebtedness of the Contractor in accordance with the provisions of the Contract.

- A. **Funding in Subsequent Fiscal Years:** The City and the Contractor expressly understand that funding for any subsequent fiscal year of the Contract is contingent upon appropriation of monies by the City Commission. In the event that funds are not available or appropriated, the City reserves the right to terminate the Contract. The City will be responsible for payment of any outstanding invoices and work completed by the Contractor prior to such termination.

- B. In the event that the Contractor has abandoned performance under this Contract, then the City Manager or designee may terminate this Contract upon **three (3) calendar days'** written notice to the Contractor indicating its intention to do so. The written notice shall state the evidence indicating the Contractor's abandonment.
- C. The Contractor shall have the right to terminate the Contract only in the event of the City failing to pay the Contractor's properly documented and submitted invoice within **ninety (90) calendar days** of the approval by the City's Administrative Agent, or if the City suspends the project for a period greater than **ninety (90) calendar days**.
- D. The City Manager or designee reserves the right to terminate and cancel this Contract in the event the Contractor shall be placed in either voluntary or involuntary bankruptcy, a receiver is appointed for the Contractor or an assignment is made for the benefit of creditors.
- E. In the event the Contractor breaches this Contract; the City shall provide written notice of the breach and the Contractor shall have **ten (10) calendar days** from the date the notice is received to cure. If the Contractor fails to cure within the **ten (10) calendar days**, the City Manager or designee shall have the right to immediately terminate the Contract and/or refuse to make any additional payment, in whole or in part, and, if necessary, may demand the return of a portion or the entire amount previously paid to Contractor due to:
 - 1. The quality of a portion or all of the Contractor's work not being in accordance with the requirements of this Contract;
 - 2. The quantity of the Contractor's work not being as represented in the Contractor's Payment Request, or otherwise;
 - 3. The Contractor's rate of progress being such that, in the City's opinion, substantial or final completion, or both, may be inexcusably delayed;
 - 4. The Contractor's failure to use Contract funds, previously paid the Contractor by the City, to pay the Contractor's project related obligations including, but not limited to, subcontractors, laborers and material and equipment suppliers;
 - 5. Claims made, or likely to be made, against the City or its property;
 - 6. Loss caused by the Contractor; and/or
 - 7. The Contractor's failure or refusal to perform any of its obligations under this Contract to the City.

Violation of any local, state or federal law in the performance of this Contract shall constitute a material breach of this Contract.

In the event that the City makes written demand upon the Contractor for amounts the City previously paid as contemplated in the clause, the Contractor shall promptly comply with such demand. The City's rights hereunder survive the term of this Contract, and are not waived by final payment and/or acceptance.

10. INDEPENDENT CONTRACTOR:

The Contractor is, and shall be, in the performance of all work, services and activities under this Contract, an independent contractor, and not an employee, agent or servant of the City. All persons engaged in any of the work or services performed

pursuant to this Contract shall at all times, and in all places, be subject to the Contractor's sole direction, supervision, and control. The Contractor shall exercise control over the means and manner in which it and its employees perform the work, and in all respects the Contractor's relationship and the relationship of its employees to the City shall be that of an independent contractor and not as employees or agents of the City. The Contractor does not have the power or authority to bind the City in any promise, agreement or representation other than as specifically provided for in this Contract. The Contractor shall not pledge the City's credit or make it a guarantor of payment of surety for any contract, debt, obligation, judgment, lien or any form of indebtedness. The Contractor further warrants and represents that it has no obligation or indebtedness that would impair its ability to fulfill the terms of this Contract.

11. SUBCONTRACTORS:

A list of all subcontractors shall be furnished to the City prior to any payments against the Contract. All subcontractors are subject to City approval.

12. LICENSES AND PERMITS/LAWS AND REGULATIONS:

The Contractor shall pay all taxes required by law in connection with the activity in accordance with this Contract including sales, use, and similar taxes, and unless mutually agreed to in writing to the contrary, shall secure all licenses and permits necessary for proper completion of the work, paying any fees therefore. Violation of any local, state or federal law in the performance of this Contract shall constitute a material breach of this contract. The Contractor shall comply with all laws and ordinances, and the rules, regulations, and orders of all public authorities relating to the performance of the work herein. If any of the Contract documents are at variance therewith, the Contractor shall notify the City promptly upon the discovery of such variance.

14. AMENDMENT:

This Contract constitutes the sole and complete understanding between the parties and supersedes all agreements between them, whether oral or written with respect to the subject matter. No amendment, change or addendum to this Contract is enforceable unless agreed to in writing by both parties and incorporated into this Contract. The City Manager or designee may agree to amendments which do not increase compensation to the Contractor. The City Commission shall approve all increases in compensation under this Contract.

15. EQUAL EMPLOYMENT OPPORTUNITY:

The City of North Port, Florida, in accordance with the provisions of Title VII of the Civil Rights Act of 1964 (78 Stat. 252) and the Regulations of the Department of Commerce (15 CFR, Part 8) issued pursuant to such Act, hereby notifies all bidders that it will ensure that in any Contract entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit replies in response to this advertisement and will not be discriminated against on the ground of race, color or national origin in consideration for an award.

16. NON-DISCRIMINATION:

The City of North Port does not discriminate on the basis of race, color, national origin, sex, age, disability, family or religious status in administration of its programs, activities or services. Pursuant to Florida Statutes Section 287.134(2)(a), an entity or affiliate who has been placed on the discriminatory vendor list may not submit a bid, proposal, or reply on a contract to provide any goods or services to a public entity; may not submit a bid, proposal, or reply on a contract with a public entity for the construction or repair of a public building or public work; may not submit bids, proposals, or replies on leases of real property to a public entity; may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity; and may not transact business with any public entity.

17. ASSIGNMENT:

The Contractor shall not assign any interest in this Contract and shall not transfer any interest in same (whether by assignment or novation) without prior written consent of the City Manager or designee, except that claims for the money due or to become due to the Contractor from the City under this Contract may be assigned to a financial institution or to a trustee in bankruptcy. Notice shall be promptly given to the City.

18. NOTICES:

Any notice, demand, communication, or request required or permitted hereunder shall be sent by certified mail, return receipt requested, and shall be mailed to:

As to CITY

Project Manager
City of North Port Public Works Department
1100 N. Chamberlain Blvd.
North Port, Florida 34286
Tel: 941.240.9321
Fax: 941.240.8073

As to CONTRACTOR

Notices shall be effective when received at the addresses specified above. Changes to the addresses may be made from time to time by either party by written notice to the other party. Facsimile transmission is acceptable notice effective when received, however, facsimile transmissions received after 5:00 pm or on weekends or holidays will be deemed received on the next business day. The original of the notice must additionally be mailed. Nothing in this Article shall be construed to restrict the transmission of routine communications between representatives of the Contractor and the City.

19. WAIVER:

No delay or failure to enforce any breach of this Contract by either the City or the Contractor shall be binding upon the waiving party unless such waiver is in writing. In the event of a written waiver, such a waiver shall not affect the waiving party's rights with respect to any other or further breach. The making or acceptance of a payment by either party with knowledge of the existence of a default or breach shall not operate or be construed to operate as a waiver of any subsequent default or breach.

20. ASSIGNMENT:

The Contractor shall not assign any interest in this Contract and shall not transfer any interest in same (whether by assignment or novation) without prior written consent of the City Manager or designee, except that claims for the money due or to become due to the Contractor from the City under this Contract may be assigned to a financial institution or to a trustee in bankruptcy. Notice shall be promptly given to the City.

20. ATTORNEY'S FEES:

In any proceedings between the parties arising out of or related to this Contract, the prevailing party shall be reimbursed all costs, expenses and reasonable attorney fees through all proceedings, at both trial and appellate levels.

21. GOVERNING LAW, VENUE AND SEVERABILITY:

The rights, obligations and remedies of the parties under this Contract shall be governed by the laws of the State of Florida and the exclusive venue for any legal or judicial proceedings in connection with the enforcement or interpretation of this Contract shall be in Sarasota County, Florida. The invalidity, illegality, or unenforceability of any provision of this Contract shall in no way affect the validity or enforceability of any other portion or provision of the contract. Any void provision shall be deemed severed from the Contract and the balance of the Contract shall be construed and enforced as if the Contract did not contain the particular portion or provision held to be void.

22. PARAGRAPH HEADINGS:

Paragraph headings are for the convenience of the parties and for the reference purposes only and shall be given no legal effect.

23. ENTIRE AGREEMENT:

This Contract (with all referenced plans, attachments, addenda and provisions incorporated by reference) embodies the entire agreement of both parties, superseding all oral or written previous and contemporary agreements between the parties relating to matters set forth in this Contract. In the event of any conflict between the provisions of this Contract and the RFB or the Contractor's bid, this signed Contract (excluding the RFB and the Contractor's bid) shall take precedence, followed by the provisions of the RFB, and then by the terms of the Contractor's bid.

IN WITNESS WHEREOF, the parties have hereto caused the execution of these documents, the year and date first above written.

CITY OF NORTH PORT, FL

Attest: _____
Patsy C. Adkins, City Clerk, MMC

By: _____
Peter D. Lear, CPA, CGMA, CITY MANAGER

APPROVED AS TO FORM AND CORRECTNESS:

By: _____
Amber L. Slayton, City Attorney

CONTRACTOR

By: _____
Signature

Witness: _____

Print

Title

ATTACHMENT A: 2018 MAINTENANCE REHABILITATION Resurfacing (140lbs./SY) summary

**ATTACHMENT A: 2018 MAINTENANCE REHABILITATION – Resurface Streets
(140lbs./SY) Summary**

FULL_NAME	FROM	TO	Length	Width	Ton	Milling(sqy)
AFAR AVE	LINDA DR	BAYBERRY ST	1,433.60	20	224.34	3366.14
AFFINITY LN	MARCELLA TER	CYNTHIA TER	1,175.52	20	184.20	2763.95
ALABELLE LN	CASCABEL TER	TOLUCA TER	297.97	20	47.69	716.33
ALABELLE LN	TOLUCA TER	JULIA TER	298.88	20	47.83	718.45
ALABELLE LN	MELISSA TER	MALINDA TER	270.31	20	43.39	651.80
ALABELLE LN	PENELOPE TER	MAYFLOWER TER	304.77	20	48.75	732.19
ALABELLE LN	S CHAMBERLAIN B	PENELOPE TER	320.19	20	51.15	768.18
ALABELLE LN	TULOMA TER	OMELA TER	301.34	20	48.21	724.20
ALABELLE LN	OMELA TER	MELISSA TER	298.91	20	47.83	718.52
ALABELLE LN	MAYFLOWER TER	CASCABEL TER	302.34	20	48.37	726.52
ALABELLE LN	JULIA TER	TULOMA TER	272.98	20	43.80	658.02
ALLEGHENY LN	CASCABEL TER	TOLUCA TER	300.68	20	48.11	722.67
ALLEGHENY LN	TOLUCA TER	JULIA TER	297.94	20	47.68	716.25
ALLEGHENY LN	S CHAMBERLAIN B	PENELOPE TER	324.81	20	51.86	778.96
ALLEGHENY LN	JULIA TER	MALINDA TER	1,599.82	20	250.20	3753.99
ALLEGHENY LN	PENELOPE TER	MAYFLOWER TER	299.95	20	48.00	720.96
ALLEGHENY LN	MAYFLOWER TER	CASCABEL TER	299.58	20	47.94	720.09
ALLEGHENY LN	NEEDLE TER	MONDAY TER	299.15	20	47.87	719.08
ALLEGHENY LN	PETUNIA TER	NEEDLE TER	1,965.75	20	307.12	4607.81
ALLEGHENY LN	MONDAY TER	CHAMBERLAIN BLV	326.59	20	52.14	783.11
APPLETON TER	PICKARD LN	SNOWFLAKE LN	1,862.75	20	291.10	4367.48
ARENA LN	YALTA TER	SALMISTA TER	297.94	20	47.68	716.26
ARENA LN	ZUYDER TER	YALTA TER	300.36	20	48.06	721.92
ARENA LN	S CHAMBERLAIN B	ZUYDER TER	325.17	20	51.92	779.80
ARENA LN	MINCEY TER	CHAMBERLAIN BLV	325.35	20	51.95	780.23
ARENA LN	YANKEE TER	MINCEY TER	300.24	20	48.04	721.64
ATHENA TER	MUSIC LN	URMEY LN	1,484.86	20	232.32	3485.75
BADGER LN	LINDA DR	CARTWRIGHT LN	1,366.03	20	213.83	3208.47
BAYBERRY ST	PEBBLE AVE	CARMELA AVE	270.47	20	43.41	652.16
BAYBERRY ST	AFAR AVE	PEBBLE AVE	299.90	20	47.99	720.84
BAYBERRY ST	CARTWRIGHT LN	SILK AVE	325.09	20	51.91	779.61
BAYBERRY ST	TWINKLE AVE	AFAR AVE	299.94	20	48.00	720.93
BAYBERRY ST	SILK AVE	TWINKLE AVE	298.86	20	47.83	718.41
BEAVER TER	MUSIC LN	BONANZA LN	1,501.51	20	234.91	3524.59
BEGONIA TER	MUSIC LN	BONANZA LN	1,461.63	20	228.70	3431.54
BLACKBIRD LN	YANKEE TER	MINCEY TER	297.82	20	47.67	715.98
BLACKBIRD LN	MAUVE TER	YANKEE TER	302.37	20	48.37	726.60
BLACKBIRD LN	TOPSY TER	MAUVE TER	301.90	20	48.30	725.50
BLACKBIRD LN	NITA TER	TOPSY TER	1,399.85	20	219.09	3287.39
BLUEBIRD AVE	S CHAMBERLAIN B	ZUYDER TER	325.19	20	51.92	779.84
BLUEBIRD AVE	ZUYDER TER	YALTA TER	299.35	20	47.90	719.55
BLUEBIRD AVE	YALTA TER	SADNET LN	300.51	20	48.08	722.26
BLUEBIRD AVE	TOPSY TER	MAUVE TER	299.85	20	47.98	720.73
BLUEBIRD AVE	NITA TER	REBEL LN	519.63	20	82.17	1233.55
BLUEBIRD AVE	REBEL LN	SUGAR TER	309.48	20	49.48	743.18
BLUEBIRD AVE	MAUVE TER	YANKEE TER	303.20	20	48.50	728.54

FULL_NAME	FROM	TO	Length	Width	Ton	Milling(sqy)
BLUEBIRD AVE	RIBBON TER	TOPSY TER	301.97	20	48.31	725.67
BLUEBIRD AVE	MINCEY TER	CHAMBERLAIN BLV	325.95	20	52.04	781.62
BLUEBIRD AVE	YANKEE TER	MINCEY TER	299.04	20	47.86	718.84
BLUEBIRD AVE	SUGAR TER	RIBBON TER	297.13	20	47.56	714.36
BONANZA LN	MINCEY TER	CHAMBERLAIN BLV	323.82	20	51.71	776.65
BONANZA LN	RHUMBA TER	MINCEY TER	1,690.89	20	264.36	3966.47
BONANZA LN	BEGONIA TER	BEAVER TER	289.40	20	46.36	696.34
BONANZA LN	BEAVER TER	RHUMBA TER	300.43	20	48.07	722.07
BRANDON TER	PELICAN LN	JOYCE AVE	949.17	20	148.99	2235.79
BRANDON TER	FRANKLIN LN	PELICAN LN	299.16	20	47.87	719.12
BRANDON TER	JOYCE AVE	RAYWOOD AVE	938.88	20	147.39	2211.80
CALABASH LN	LINDA DR	PRIME TER	1,318.39	20	206.42	3097.32
CANOE LN	LINDA DR	PRIME TER	1,224.50	20	191.82	2878.23
CARMELA AVE	LINDA DR	BAYBERRY ST	1,392.36	20	217.93	3269.90
CARPENTER LN	RHUMBA TER	MINCEY TER	1,732.87	20	270.90	4064.44
CARTWRIGHT LN	REDWOOD TER	CORNSILK TER	301.01	20	48.16	723.43
CARTWRIGHT LN	VIXEN TER	SARAH TER	299.97	20	48.00	721.01
CARTWRIGHT LN	GLOBE TER	REDWOOD TER	300.10	20	48.02	721.31
CARTWRIGHT LN	EASTER TER	S CHAMBERLAIN B	325.16	20	51.92	779.77
CARTWRIGHT LN	LINDA DR	SISTER TER	306.79	20	49.06	736.91
CARTWRIGHT LN	CORNSILK TER	EASTER TER	295.02	20	47.23	709.45
CARTWRIGHT LN	SISTER TER	VIXEN TER	296.46	20	47.45	712.81
CARTWRIGHT LN	BAYBERRY ST	BADGER LN	135.41	20	22.40	337.03
CARTWRIGHT LN	SARAH TER	BAYBERRY ST	232.54	20	37.51	563.67
CARTWRIGHT LN	BADGER LN	PRIME TER	300.23	20	48.04	721.62
CARTWRIGHT LN	PRIME TER	GLOBE TER	300.40	20	48.07	722.01
CASCABEL TER	ALABELLE LN	ALLEGHENY LN	1,436.85	20	224.85	3373.72
CASCABEL TER	ALLEGHENY LN	PURPLE LN	1,251.02	20	195.94	2940.11
COMET LN	PETUNIA TER	WAFFLE TER	959.43	20	150.58	2259.73
CORNSILK TER	RAYWOOD AVE	CARTWRIGHT LN	1,288.34	20	201.75	3027.19
CORNSILK TER	CARTWRIGHT LN	COVER LN	1,270.05	20	198.90	2984.52
COVER LN	REDWOOD TER	CORNSILK TER	301.65	20	48.26	724.93
COVER LN	EASTER TER	S CHAMBERLAIN B	325.71	20	52.00	781.05
COVER LN	PRIME TER	GLOBE TER	297.39	20	47.60	714.99
COVER LN	LINDA DR	PRIME TER	1,060.30	20	166.27	2495.10
COVER LN	GLOBE TER	REDWOOD TER	302.37	20	48.37	726.60
COVER LN	CORNSILK TER	EASTER TER	298.58	20	47.78	717.76
CYNTHIA TER	MINDLIN LN	AFFINITY LN	299.01	20	47.85	718.77
CYNTHIA TER	ORACLE LN	SEAGULL LN	299.45	20	47.92	719.79
CYNTHIA TER	SEAGULL LN	SNOWFLAKE LN	360.25	20	57.38	861.65
CYNTHIA TER	PICKARD LN	MINDLIN LN	297.99	20	47.69	716.38
CYNTHIA TER	MALIBU LN	ORACLE LN	300.86	20	48.14	723.08
CYNTHIA TER	AFFINITY LN	MALIBU LN	301.95	20	48.31	725.62
DAKOTA TER	RAYWOOD AVE	JOYCE AVE	961.37	20	150.88	2264.28
DAKOTA TER	JOYCE AVE	FRANKLIN LN	1,404.11	20	219.76	3297.33
EASTER TER	COVER LN	CARTWRIGHT LN	1,146.68	20	179.71	2696.66

FULL_NAME	FROM	TO	Length	Width	Ton	Milling(sqy)
EASTER TER	CARTWRIGHT LN	RAYWOOD AVE	1,236.82	20	193.73	2906.98
EVANGELINA LN	TOLUCA TER	SADIGO TER	1,110.41	20	174.07	2612.02
FEATHER TER	WINSLOW LN	MARILYN LN	1,148.97	20	180.07	2702.00
FRANKLIN LN	BRANDON TER	JOYCE AVE	687.27	20	108.25	1624.70
FRANKLIN LN	DAKOTA TER	BRANDON TER	296.82	20	47.51	713.66
FRANKLIN LN	HEATHER TER	MAURBACH TER	300.07	20	48.01	721.22
FRANKLIN LN	TALISMAN TER	DAKOTA TER	306.27	20	48.98	735.69
FRANKLIN LN	S CHAMBERLAIN B	HEATHER TER	322.11	20	51.44	772.66
FRANKLIN LN	MAURBACH TER	TALISMAN TER	300.33	20	48.06	721.83
FREEDOM LN	TOLUCA TER	SADIGO TER	1,090.62	20	170.99	2565.85
GLOBE TER	COVER LN	CARTWRIGHT LN	1,516.86	20	237.29	3560.40
GLOBE TER	CARTWRIGHT LN	RAYWOOD AVE	1,395.04	20	218.34	3276.16
HEATH LN	HEATH LN	WINSLOW LN	276.53	20	44.35	666.31
HEATH LN	WINSLOW LN	PEGGY TER	233.43	20	37.65	565.74
HEATH LN	HEATH LN	WINSLOW LN	651.01	20	102.61	1540.09
HEATHER TER	FRANKLIN LN	MINER AVE	1,557.40	20	243.60	3655.00
HEATON TER	WINSLOW LN	MARASCO LN	1,789.20	20	279.66	4195.87
HONEY LN	RHUMBA TER	MINCEY TER	1,719.94	20	268.88	4034.25
JOANN TER	WINSLOW LN	MARILYN LN	1,133.79	20	177.71	2666.59
JOYCE AVE	DAKOTA TER	BRANDON TER	300.31	20	48.05	721.78
JOYCE AVE	PLAINFIELD TER	PELICAN LN	930.60	20	146.10	2192.46
JOYCE AVE	TALISMAN TER	DAKOTA TER	300.07	20	48.01	721.23
JOYCE AVE	PELICAN LN	FRANKLIN LN	302.90	20	48.46	727.84
JOYCE AVE	MAURBACH TER	TALISMAN TER	300.37	20	48.06	721.93
JOYCE AVE	BRANDON TER	PLAINFIELD TER	300.00	20	48.00	721.07
JULIA TER	ALLEGHENY LN	WOODCREST LN	298.89	20	47.83	718.47
JULIA TER	SHADOW LN	ALABELLE LN	569.80	20	89.97	1350.61
JULIA TER	WOODCREST LN	MARJORIE LN	299.99	20	48.00	721.04
JULIA TER	MARJORIE LN	SHADOW LN	298.72	20	47.81	718.09
LAGOON TER	PICKARD LN	SNOWFLAKE LN	1,692.95	20	264.68	3971.28
LINDA DR	SHOW CIR	AFAR AVE	303.42	20	48.54	729.05
LINDA DR	SHOW CIR	SHOW CIR	563.54	20	89.00	1335.99
LINDA DR	CARTWRIGHT LN	SHOW CIR	1,037.09	20	162.66	2440.95
LINDA DR	CANOE LN	CALABASH LN	300.13	20	48.02	721.37
LINDA DR	CALABASH LN	BADGER LN	302.79	20	48.44	727.59
LINDA DR	BADGER LN	CARTWRIGHT LN	299.20	20	47.88	719.21
LINDA DR	PEBBLE AVE	CARMELA AVE	284.50	20	45.59	684.91
LINDA DR	PARASOL LN	CANOE LN	300.90	20	48.14	723.16
LINDA DR	COVER LN	PRONTO LN	284.27	20	45.56	684.37
LINDA DR	AFAR AVE	PEBBLE AVE	299.66	20	47.95	720.28
LINDA DR	PRONTO LN	PARASOL LN	299.56	20	47.94	720.04
MALIBU LN	MARCELLA TER	CYNTHIA TER	1,216.37	20	190.55	2859.26
MALINDA TER	WOODCREST LN	MARJORIE LN	297.82	20	47.67	715.99
MALINDA TER	ALLEGHENY LN	WOODCREST LN	305.54	20	48.87	733.99
MALINDA TER	SHADOW LN	ALABELLE LN	1,201.04	20	188.17	2823.49
MALINDA TER	MARJORIE LN	SHADOW LN	301.98	20	48.31	725.69

FULL_NAME	FROM	TO	Length	Width	Ton	Milling(sqy)
MANCHESTER TER	WINSLOW LN	MARASCO LN	1,778.80	20	278.04	4171.61
MARASCO LN	HEATON TER	MANCHESTER TER	298.54	20	47.78	717.67
MARASCO LN	S CHAMBERLAIN B	HEATON TER	323.68	20	51.69	776.32
MARASCO LN	MANCHESTER TER	TWINBUSH TER	300.79	20	48.13	722.92
MARASCO LN	TWINBUSH TER	PEGGY TER	1,310.08	20	205.13	3077.92
MARCELLA TER	PICKARD LN	MINDLIN LN	304.40	20	48.69	731.33
MARCELLA TER	MALIBU LN	ORACLE LN	302.86	20	48.45	727.74
MARCELLA TER	AFFINITY LN	MALIBU LN	304.99	20	48.78	732.72
MARCELLA TER	SEAGULL LN	SNOWFLAKE LN	262.88	20	42.23	634.45
MARCELLA TER	ORACLE LN	SEAGULL LN	302.02	20	48.32	725.78
MARCELLA TER	MINDLIN LN	AFFINITY LN	295.80	20	47.35	711.27
MARGARET LN	PETUNIA TER	NEEDLE TER	1,955.77	20	305.57	4584.53
MARILYN LN	FEATHER TER	JOANN TER	299.45	20	47.92	719.78
MARILYN LN	TWINBUSH TER	FEATHER TER	299.60	20	47.94	720.13
MARILYN LN	JOANN TER	PEGGY TER	836.76	20	131.50	1973.50
MARJORIE LN	JULIA TER	MALINDA TER	1,604.73	20	250.96	3765.44
MAURBACH TER	FRANKLIN LN	MINER AVE	1,402.65	20	219.53	3293.92
MAURBACH TER	MINER AVE	JOYCE AVE	309.10	20	49.42	742.31
MAURBACH TER	JOYCE AVE	POLLARD AVE	687.74	20	108.32	1625.79
MAUVE TER	BLUEBIRD AVE	BLACKBIRD LN	1,830.27	20	286.05	4291.70
MAYFLOWER TER	ALLEGHENY LN	ALABELLE LN	1,423.54	20	222.78	3342.67
MAYFLOWER TER	PURPLE LN	ALLEGHENY LN	1,249.23	20	195.66	2935.93
MAYFLOWER TER	SQUAW LN	PURPLE LN	300.86	20	48.14	723.08
MELISSA TER	ALABELLE LN	SHADOW LN	1,057.60	20	165.85	2488.80
MINCEY TER	MISTLETO LN	PENGUIN LN	300.10	20	48.02	721.30
MINCEY TER	ARENA LN	BLACKBIRD LN	977.75	20	153.43	2302.48
MINCEY TER	PENGUIN LN	BONANZA LN	299.32	20	47.90	719.49
MINCEY TER	HONEY LN	MISTLETO LN	301.14	20	48.18	723.72
MINCEY TER	BLUEBIRD AVE	ARENA LN	1,210.60	20	189.65	2845.81
MINCEY TER	CARPENTER LN	HONEY LN	297.15	20	47.56	714.43
MINCEY TER	BLACKBIRD LN	MUSIC LN	402.65	20	63.97	960.58
MINCEY TER	MUSIC LN	CARPENTER LN	300.24	20	48.04	721.63
MINDLIN LN	MARCELLA TER	CYNTHIA TER	1,133.96	20	177.73	2666.97
MINER AVE	MAURBACH TER	HEATHER TER	298.46	20	47.77	717.48
MINER AVE	HEATHER TER	S CHAMBERLAIN B	435.59	20	69.10	1037.45
MISTLETO LN	RHUMBA TER	MINCEY TER	1,707.40	20	266.93	4005.00
MONDAY TER	ALLEGHENY LN	SPARKLE LN	1,199.85	20	187.98	2820.72
MONDAY TER	SPARKLE LN	VANCOUVER LN	1,095.18	20	171.70	2576.50
MONTANA LN	NORA LN	SADNET LN	313.64	20	50.13	752.90
MONTANA LN	SARACEN LN	NORA LN	308.48	20	49.32	740.87
MONTANA LN	SAMOVAR TER	SARACEN LN	658.43	20	103.76	1557.42
MUSIC LN	ZANDER TER	ATHENA TER	268.12	20	43.04	646.67
MUSIC LN	S CHAMBERLAIN B	SADIGO TER	2,401.25	20	374.87	5624.00
MUSIC LN	WESTBERRY TER	ZANDER TER	300.81	20	48.13	722.97
MUSIC LN	SADIGO TER	WESTBERRY TER	299.68	20	47.95	720.31
MUSIC LN	RHUMBA TER	MINCEY TER	1,742.96	20	272.47	4087.98

FULL_NAME	FROM	TO	Length	Width	Ton	Milling(sqy)
MUSIC LN	BEAVER TER	RHUMBA TER	305.22	20	48.82	733.26
MUSIC LN	MINCEY TER	CHAMBERLAIN BLV	325.52	20	51.97	780.61
MUSIC LN	BEGONIA TER	BEAVER TER	262.90	20	42.23	634.50
NEBRASKA LN	SAMOVAR TER	SADNET LN	1,358.35	20	212.64	3190.56
NEEDLE TER	WURTSMITH LN	MARGARET LN	299.93	20	47.99	720.90
NEEDLE TER	MARGARET LN	SHEILA LN	297.65	20	47.64	715.59
NEEDLE TER	SPARKLE LN	VANCOUVER LN	1,093.64	20	171.46	2572.90
NEEDLE TER	SHEILA LN	SPARKLE LN	305.09	20	48.80	732.95
NEEDLE TER	ALLEGHENY LN	WURTSMITH LN	297.60	20	47.63	715.47
NELLIE LN	RIBBON TER	TOPSY TER	299.53	20	47.93	719.98
NELLIE LN	SUGAR TER	RIBBON TER	301.32	20	48.21	724.16
NELLIE LN	NITA TER	SUGAR TER	799.12	20	125.65	1885.69
NITA TER	BLUEBIRD AVE	REBEL LN	206.17	20	33.41	502.13
NITA TER	NELLIE LN	BLACKBIRD LN	274.78	20	44.08	662.22
NITA TER	REBEL LN	NELLIE LN	301.33	20	48.21	724.16
NORA LN	SALMISTA TER	SAMOVAR TER	1,169.20	20	183.21	2749.20
NORA LN	YALTA TER	SALMISTA TER	563.88	20	89.05	1336.79
NORA LN	SAMOVAR TER	MONTANA LN	1,212.16	20	189.90	2849.44
OMELA TER	ALABELLE LN	SHADOW LN	887.72	20	139.43	2092.41
ORACLE LN	MARCELLA TER	CYNTHIA TER	1,257.12	20	196.89	2954.36
OREGON LN	SAMOVAR TER	SADNET LN	1,369.55	20	214.38	3216.70
OREGON LN	VERDE TER	PANDORA TER	276.10	20	44.29	665.30
OREGON LN	PANDORA TER	SAMOVAR TER	298.24	20	47.73	716.96
PANDORA TER	SARACEN LN	OREGON LN	1,426.66	20	223.26	3349.95
PARASOL LN	LINDA DR	PRIME TER	1,166.62	20	182.81	2743.19
PARKINS TER	SPARKLE LN	VANCOUVER LN	1,094.97	20	171.67	2576.00
PEBBLE AVE	LINDA DR	BAYBERRY ST	1,428.10	20	223.49	3353.30
PEGGY TER	MARILYN LN	SHAKER LN	300.60	20	48.10	722.46
PEGGY TER	SHAKER LN	MARASCO LN	296.26	20	47.42	712.34
PEGGY TER	HEATH LN	MARILYN LN	304.36	20	48.68	731.24
PELICAN LN	BRANDON TER	JOYCE AVE	730.62	20	114.99	1725.85
PENELOPE TER	ALLEGHENY LN	ALABELLE LN	1,409.55	20	220.60	3310.03
PENGUIN LN	RHUMBA TER	MINCEY TER	1,694.20	20	264.88	3974.21
PETUNIA TER	VANCOUVER LN	COMET LN	305.05	20	48.79	732.86
PETUNIA TER	ALLEGHENY LN	WURTSMITH LN	263.63	20	42.35	636.20
PETUNIA TER	COMET LN	SPARKLE LN	309.46	20	49.48	743.13
PETUNIA TER	SHEILA LN	SPARKLE LN	311.04	20	49.72	746.82
PETUNIA TER	PETUNIA TER	VANCOUVER LN	513.21	20	81.17	1218.56
PETUNIA TER	MARGARET LN	SHEILA LN	274.70	20	44.07	662.04
PETUNIA TER	WURTSMITH LN	MARGARET LN	315.93	20	50.48	758.25
PETUNIA TER	SPARKLE LN	PETUNIA TER	1,319.51	20	206.59	3099.92
PICKARD LN	APPLETON TER	S CHAMBERLAIN B	325.36	20	51.95	780.23
PICKARD LN	CYNTHIA TER	PINE CONE TER	295.38	20	47.29	710.28
PICKARD LN	LAGOON TER	MARCELLA TER	274.30	20	44.01	661.11
PICKARD LN	MARCELLA TER	CYNTHIA TER	1,101.74	20	172.72	2591.79
PICKARD LN	PINE CONE TER	APPLETON TER	304.76	20	48.74	732.18

FULL_NAME	FROM	TO	Length	Width	Ton	Milling(sqy)
PINE CONE TER	PICKARD LN	SNOWFLAKE LN	1,861.14	20	290.85	4363.73
PLAINFIELD TER	JOYCE AVE	RAYWOOD AVE	893.69	20	140.36	2106.34
POLLARD AVE	S CHAMBERLAIN B	MAURBACH TER	727.20	20	114.46	1717.88
PRIME TER	CALABASH LN	CARTWRIGHT LN	426.18	20	67.63	1015.50
PRIME TER	COVER LN	PRONTO LN	302.28	20	48.36	726.39
PRIME TER	PRONTO LN	PARASOL LN	299.99	20	48.00	721.05
PRIME TER	CARTWRIGHT LN	RAYWOOD AVE	1,436.03	20	224.72	3371.81
PRIME TER	CANOE LN	CALABASH LN	310.49	20	49.64	745.54
PRIME TER	PARASOL LN	CANOE LN	300.81	20	48.13	722.97
PRONTO LN	LINDA DR	PRIME TER	1,123.50	20	176.10	2642.57
PURPLE LN	CASCABEL TER	TOLUCA TER	300.65	20	48.10	722.58
PURPLE LN	MAYFLOWER TER	CASCABEL TER	298.28	20	47.74	717.05
PURPLE LN	TOLUCA TER	SADIGO TER	1,134.58	20	177.83	2668.42
RAYWOOD AVE	BRANDON TER	PLAINFIELD TER	287.02	20	45.99	690.79
RAYWOOD AVE	REDWOOD TER	CORNSILK TER	297.81	20	47.66	715.95
RAYWOOD AVE	DAKOTA TER	BRANDON TER	303.02	20	48.47	728.11
RAYWOOD AVE	CORNSILK TER	EASTER TER	301.56	20	48.25	724.72
RAYWOOD AVE	TALISMAN TER	DAKOTA TER	302.45	20	48.39	726.79
RAYWOOD AVE	PRIME TER	GLOBE TER	281.26	20	45.09	677.35
RAYWOOD AVE	EASTER TER	S CHAMBERLAIN B	326.35	20	52.10	782.55
RAYWOOD AVE	GLOBE TER	REDWOOD TER	300.12	20	48.02	721.36
RAYWOOD AVE	S CHAMBERLAIN B	TALISMAN TER	1,011.24	20	158.64	2380.63
REBEL LN	NITA TER	BLUEBIRD AVE	941.71	20	147.83	2218.40
REDWOOD TER	COVER LN	CARTWRIGHT LN	1,391.20	20	217.75	3267.20
REDWOOD TER	CARTWRIGHT LN	RAYWOOD AVE	1,341.58	20	210.03	3151.42
RHUMBA TER	MUSIC LN	CARPENTER LN	300.36	20	48.06	721.91
RHUMBA TER	PENGUIN LN	BONANZA LN	297.35	20	47.59	714.89
RHUMBA TER	CARPENTER LN	HONEY LN	303.65	20	48.57	729.59
RHUMBA TER	MISTLETO LN	PENGUIN LN	303.41	20	48.53	729.03
RHUMBA TER	HONEY LN	MISTLETO LN	296.45	20	47.45	712.79
RIBBON TER	BLUEBIRD AVE	NELLIE LN	1,166.52	20	182.80	2742.95
SADIGO TER	FREEDOM LN	URMEY LN	301.19	20	48.19	723.84
SADIGO TER	MUSIC LN	SQUAW LN	301.01	20	48.16	723.43
SADIGO TER	EVANGELINA LN	FREEDOM LN	300.62	20	48.10	722.53
SADIGO TER	PURPLE LN	EVANGELINA LN	300.43	20	48.07	722.07
SADIGO TER	SQUAW LN	PURPLE LN	299.38	20	47.91	719.62
SADNET LN	NEBRASKA LN	OREGON LN	305.89	20	48.92	734.80
SADNET LN	MONTANA LN	NEBRASKA LN	312.47	20	49.94	750.17
SADNET LN	BLUEBIRD AVE	SALMISTA TER	1,006.63	20	157.93	2369.88
SADNET LN	SALMISTA TER	SAMOVAR TER	1,238.05	20	193.92	2909.86
SADNET LN	SAMOVAR TER	MONTANA LN	1,527.27	20	238.91	3584.70
SALMISTA TER	SARACEN LN	ARENA LN	640.49	20	100.97	1515.55
SALMISTA TER	SADNET LN	NORA LN	299.66	20	47.95	720.28
SALMISTA TER	ARENA LN	YUCCA LN	1,016.29	20	159.43	2392.41
SALMISTA TER	NORA LN	SARACEN LN	302.75	20	48.43	727.49
SAMOVAR TER	OREGON LN	NEBRASKA LN	303.83	20	48.60	730.01

FULL_NAME	FROM	TO	Length	Width	Ton	Milling(sqy)
SAMOVAR TER	MONTANA LN	SARACEN LN	618.17	20	97.50	1463.47
SAMOVAR TER	NORA LN	SADNET LN	300.11	20	48.02	721.33
SAMOVAR TER	NEBRASKA LN	MONTANA LN	297.31	20	47.59	714.79
SAMOVAR TER	SARACEN LN	NORA LN	299.28	20	47.89	719.40
SARACEN LN	SALMISTA TER	VERDE TER	342.26	20	54.58	819.68
SARACEN LN	SAMOVAR TER	MONTANA LN	892.66	20	140.20	2103.95
SARACEN LN	VERDE TER	PANDORA TER	332.80	20	53.11	797.60
SARACEN LN	PANDORA TER	SAMOVAR TER	431.70	20	68.49	1028.37
SARAH TER	TWINKLE AVE	SILK AVE	524.21	20	82.88	1244.22
SARAH TER	SILK AVE	CARTWRIGHT LN	396.31	20	62.99	945.79
SEAGULL LN	MARCELLA TER	CYNTHIA TER	1,294.32	20	202.68	3041.14
SHADOW LN	MELISSA TER	MALINDA TER	319.98	20	51.11	767.70
SHADOW LN	OMELA TER	MELISSA TER	342.24	20	54.58	819.63
SHADOW LN	TULOMA TER	OMELA TER	342.30	20	54.58	819.76
SHADOW LN	JULIA TER	TULOMA TER	575.85	20	90.91	1364.72
SHAKER LN	TWINBUSH TER	PEGGY TER	1,383.62	20	216.57	3249.52
SHEILA LN	PETUNIA TER	NEEDLE TER	1,944.23	20	303.77	4557.62
SHOW CIR	LINDA DR	TWINKLE AVE	907.13	20	142.45	2137.70
SILK AVE	SARAH TER	BAYBERRY ST	490.10	20	77.58	1164.64
SISTER TER	CARTWRIGHT LN	TWINKLE AVE	1,374.31	20	215.12	3227.78
SNOWFLAKE LN	APPLETON TER	S CHAMBERLAIN B	327.71	20	52.31	785.72
SNOWFLAKE LN	MARCELLA TER	CYNTHIA TER	1,336.91	20	209.30	3140.54
SNOWFLAKE LN	PINE CONE TER	APPLETON TER	300.05	20	48.01	721.19
SNOWFLAKE LN	CYNTHIA TER	PINE CONE TER	299.52	20	47.93	719.95
SNOWFLAKE LN	LAGOON TER	MARCELLA TER	290.28	20	46.49	698.38
SPARKLE LN	NEEDLE TER	MONDAY TER	300.43	20	48.07	722.06
SPARKLE LN	MONDAY TER	CHAMBERLAIN BLV	325.13	20	51.91	779.72
SPARKLE LN	WAFFLE TER	PARKINS TER	300.72	20	48.12	722.75
SPARKLE LN	PETUNIA TER	WAFFLE TER	1,020.17	20	160.03	2401.47
SPARKLE LN	PARKINS TER	NEEDLE TER	300.22	20	48.04	721.58
SPARKLE LN	PETUNIA TER	PETUNIA TER	305.13	20	48.80	733.04
SQUAW LN	S CHAMBERLAIN B	MAYFLOWER TER	623.54	20	98.33	1476.00
SQUAW LN	MAYFLOWER TER	SADIGO TER	1,758.68	20	274.91	4124.65
SUGAR TER	BLUEBIRD AVE	NELLIE LN	987.15	20	154.89	2324.42
TALISMAN TER	FRANKLIN LN	JOYCE AVE	1,556.11	20	243.40	3652.00
TALISMAN TER	JOYCE AVE	RAYWOOD AVE	988.80	20	155.15	2328.27
TOLUCA TER	URMEY LN	ALLEGHENY LN	351.61	20	56.03	841.49
TOLUCA TER	ALLEGHENY LN	ALABELLE LN	1,451.51	20	227.13	3407.92
TOLUCA TER	EVANGELINA LN	FREEDOM LN	298.68	20	47.80	717.99
TOLUCA TER	FREEDOM LN	URMEY LN	300.87	20	48.14	723.11
TOLUCA TER	PURPLE LN	EVANGELINA LN	300.12	20	48.02	721.34
TOPSY TER	BLUEBIRD AVE	NELLIE LN	1,347.15	20	210.89	3164.41
TULOMA TER	ALABELLE LN	SHADOW LN	723.21	20	113.84	1708.57
TWINBUSH TER	SHAKER LN	MARASCO LN	299.67	20	47.95	720.29
TWINBUSH TER	WINSLOW LN	MARILYN LN	1,159.06	20	181.64	2725.54
TWINBUSH TER	MARILYN LN	SHAKER LN	301.71	20	48.27	725.07

FULL_NAME	FROM	TO	Length	Width	Ton	Milling(sqy)
TWINKLE AVE	LINDA DR	SISTER TER	299.18	20	47.88	719.15
TWINKLE AVE	SISTER TER	VIXEN TER	300.67	20	48.11	722.62
TWINKLE AVE	SARAH TER	BAYBERRY ST	572.67	20	90.42	1357.31
TWINKLE AVE	VIXEN TER	SARAH TER	298.17	20	47.72	716.81
URMEY LN	ZANDER TER	ATHENA TER	265.90	20	42.70	641.50
URMEY LN	SADIGO TER	WESTBERRY TER	299.54	20	47.93	720.00
URMEY LN	WESTBERRY TER	ZANDER TER	305.07	20	48.79	732.90
URMEY LN	TOLUCA TER	SADIGO TER	1,072.06	20	168.10	2522.55
VANCOUVER LN	PETUNIA TER	WAFFLE TER	1,308.47	20	204.88	3074.18
VANCOUVER LN	WAFFLE TER	PARKINS TER	301.45	20	48.23	724.45
VANCOUVER LN	NEEDLE TER	MONDAY TER	297.26	20	47.58	714.67
VANCOUVER LN	PARKINS TER	NEEDLE TER	301.88	20	48.30	725.47
VANCOUVER LN	MONDAY TER	CHAMBERLAIN BLV	328.04	20	52.37	786.51
VERDE TER	SARACEN LN	OREGON LN	1,535.79	20	240.24	3604.59
VIXEN TER	CARTWRIGHT LN	TWINKLE AVE	1,146.09	20	179.62	2695.28
WAFFLE TER	SPARKLE LN	COMET LN	300.02	20	48.01	721.12
WAFFLE TER	COMET LN	VANCOUVER LN	796.00	20	125.16	1878.40
WESTBERRY TER	MUSIC LN	URMEY LN	1,502.76	20	235.10	3527.52
WINSLOW LN	JOANN TER	HEATH LN	372.86	20	59.34	891.07
WINSLOW LN	TWINBUSH TER	FEATHER TER	299.90	20	47.99	720.83
WINSLOW LN	S CHAMBERLAIN B	HEATON TER	328.27	20	52.40	787.04
WINSLOW LN	HEATON TER	MANCHESTER TER	297.52	20	47.62	715.29
WINSLOW LN	HEATH LN	HEATH LN	810.88	20	127.47	1913.13
WINSLOW LN	MANCHESTER TER	TWINBUSH TER	300.98	20	48.16	723.35
WINSLOW LN	FEATHER TER	JOANN TER	301.28	20	48.20	724.06
WOODCREST LN	JULIA TER	MALINDA TER	1,626.93	20	254.42	3817.23
WURTSMITH LN	PETUNIA TER	NEEDLE TER	1,964.52	20	306.93	4604.96
YALTA TER	BLUEBIRD AVE	NORA LN	700.06	20	110.24	1654.55
YALTA TER	NORA LN	ARENA LN	1,065.53	20	167.09	2507.30
YALTA TER	ARENA LN	YUCCA LN	1,030.35	20	161.61	2425.23
YANKEE TER	ARENA LN	BLACKBIRD LN	979.24	20	153.66	2305.96
YANKEE TER	BLUEBIRD AVE	ARENA LN	1,031.54	20	161.80	2428.00
YUCCA LN	S CHAMBERLAIN B	ZUYDER TER	321.40	20	51.33	771.01
YUCCA LN	ZUYDER TER	YALTA TER	301.94	20	48.31	725.60
YUCCA LN	YALTA TER	SALMISTA TER	277.64	20	44.53	668.89
ZANDER TER	MUSIC LN	URMEY LN	1,502.66	20	235.09	3527.28
ZUYDER TER	ARENA LN	YUCCA LN	1,030.03	20	161.56	2424.47
ZUYDER TER	BLUEBIRD AVE	ARENA LN	1,590.62	20	248.77	3732.51
			236,351		37,247	559,071

44.8
Miles

Tons SY

ATTACHMENT B: 2018 MAINTENANCE REHABILITATION – Stormwater summary and sketches

**ATTACHMENT B: 2018 MAINTENANCE REHABILITATION – Stormwater Pipe
summary and sketches**

2018 PAVING PROJECT STORMWATER IMPROVEMENTS

DATE: 8/29/2017

ID	SUB.	STREET	FROM	TO	PIPE	T-SWL	LENGTH	SIZE	MATRAIL	ASPH	C.B.	M.E.S.	RELOC	CONC	RIP RAP	GUARD RAIL	SPILL WAY	SWALE PIPE	FILL
476	6	CARTWRIGHT LN	REDWOOD TER	GLOBE TER	1		40'	19"X30"	R.C.P.	1									
489	6	COVER LN	REDWOOD TER	GLOBE TER	1		48'	19"X30"	R.C.P.	1			1						
498	6	LINDA DR	PARASOL LN	CANOE LN	1		40'	24"X38"	R.C.P.	1			1						
502	6	LINDA DR	CARTWRIGHT LN	SHOW CIR	1		40'	24"X38"	R.C.P.	1			1						
503	6	LINDA DR	SHOW CIR	SHOW CIR	1		40'	19"X30"	R.C.P.	1									
521	6	RAYWOOD AVE	REDWOOD TER	CORNSILK TER	1		56'	24"X38"	R.C.P.	1			1						
546	7	ALABELLE LN	MELISSA TER	SHADOW LN	1		40'	14"X23"	R.C.P.	1									
547	7	ALABELLE LN	OMELA TER	TULOMA TER	1		40'	14"X23"	R.C.P.	1									
549	7	ALABELLE LN	JULIE TER	TOLUCA TER	1		40'	19"X30"	R.C.P.	1									
550	7	ALABELLE LN	TOLUCA TER	CASCABEL TER	1		48'	14"X23"	R.C.P.	1			1						
551	7	ALABELLE LN	CASCABEL TER	MAYFLOWER TER	1		64'	19"X30"	R.C.P.	1			1						
552	7	ALABELLE LN	MAYFLOWER TER	PENELOPE TER	1		40'	19"X30"	R.C.P.	1									
555	7	ALLEGHENY LN	TOLUCA TER	JULIE TER	1		40'	14"X23"	R.C.P.	1									
559	7	BRANDON TER	PELICAN LN	JOYCE AVE	1		40'	14"X23"	R.C.P.	1									
598	7	MALINDA TER	ALLEGHENY LN	WOODCREST LN	1		56'	19"X30"	R.C.P.	1	1		1					2	1
					1		15'	15"	A.D.S.										
					1		8'	12"X18"	R.C.P.										
599	7	MALINDA TER	WOODCREST LN	MARJORIE LN	1		62'	14"X23"	R.C.P.	1			1						
602	7	MALINDA TER	SHADOW LN	ALABELLE LN	1		56'	19"X30"	R.C.P.	1									
633	7	PICKARD LN	S CHAMBERLAIN BL	APPLETON TER	1		40'	14"X23"	R.C.P.	1			1						
636	7	PICKARD LN	CYNTHIA TER	MARCELLA TER	1		40'	19"X30"	R.C.P.	1									
665	7	SNOWFLAKE LN	S CHAMBERLAIN BL	APPLETON TER	1		40'	14"X23"	R.C.P.	1									
666	7	SNOWFLAKE LN	APPLETON TER	PINECONE TER	1		56'	19"X30"	R.C.P.	1									
667	7	SNOWFLAKE LN	CYNTHIA TER	PINECONE TER	1		64'	19"X30"	R.C.P.	1			1						
668	7	SNOWFLAKE LN	MARCELLA TER	CYNTHIA TER	1		48'	19"X30"	R.C.P.	1			1						
669	7	SNOWFLAKE LN	MARCELLA TER	CYNTHIA TER	1		40'	24"X38"	R.C.P.	1									
677	7	TWINBUSH TER	MARASCO LN	SHAKER LN	1		40'	19"X30"	R.C.P.	1									
684	7	WINSLOW LN	S CHAMBERLAIN BL	HEATON TER	1		40'	19"X30"	R.C.P.	1									
689	8	ALLEGHENY LN	CASCABEL TER	TOLUCA TER	1		40'	14"X23"	R.C.P.	1	1							1	1
					1		8'	12"X18"	R.C.P.										
692	8	ALLEGHENY LN	PENELOPE TER	S CHAMBERLAIN BL	1		40'	12"X18"	R.C.P.	1									
693	8	ALLEGHENY LN	S CHAMBERLAIN BL	MONDAY TER	1		40'	12"X18"	R.C.P.	1									
705	8	BEGONIA TER	MUSIC LN	BONANZA LN	1		40'	14"X23"	R.C.P.	1			1						
706	8	BLACKBIRD LN	YANKEE TER	MINCEY TER	1		40'	14"X23"	R.C.P.	1									
707	8	BLACKBIRD LN	MAUVER TER	YANKEE TER	1		40'	14"X23"	R.C.P.	1									
709	8	BLACKBIRD LN	NITA TER	TOPSY TER	1		40'	24"X38"	R.C.P.	1									
710	8	BLUEBIRD AVE	YALTA TER	SADNET LN	1		40'	19"X30"	R.C.P.	1									
715	8	BLUEBIRD AVE	YANKEE TER	MAUVER TER	1		40'	24"X38"	R.C.P.	1									
718	8	BLUEBIRD AVE	SUGAR TER	RIBBON TER	1		40'	19"X30"	R.C.P.	1									
721	8	BONANZA LN	S CHAMBERLAIN BL	MINCEY TER	1		40'	19"X30"	R.C.P.	1									
722	8	BONANZA LN	MINCEY TER	RHUMBA TER	1		40'	24"X38"	R.C.P.	1									
731	8	CASCABEL TER	PURPLE LN	ALLEGHENY LN	1		40'	19"X30"	R.C.P.	1									
732	8	CASCABEL TER	ALLEGHENY LN	ALABELLE LN	1		40'	12"X18"	R.C.P.	1	1							1	1
					1		8'	12"X18"	R.C.P.										
737	8	EVANGELINA LN	TOLUCA TER	SADIGO TER	1		40'	19"X30"	R.C.P.	1									
763	8	MINCEY TER	BLUEBIRD AVE	ARENA LN	1		40'	14"X23"	R.C.P.	1									
764	8	MINCEY TER	BLUEBIRD AVE	ARENA LN	1		40'	12"X18"	R.C.P.	1									

2018 PAVING PROJECT STORMWATER IMPROVEMENTS

DATE: 8/29/2017

ID	SUB.	STREET	FROM	TO	PIPE	T-SWL	LENGTH	SIZE	MATRAIL	ASPH	C.B.	M.E.S.	RELOC	CONC	RIP RAP	GUARD RAIL	SPILL WAY	SWALE PIPE	FILL
784	8	MUSIC LN	S CHAMBERLAIN BL	SADIGO TER	1		40'	19"X30"	R.C.P.	1									
789	8	MUSIC LN	RHUMBA TER	BEGONIA TER	1		48'	19"X30"	R.C.P.	1									
803	8	NEEDLE TER	SHEILA LN	SPARKLE LN	1		40'	19"X30"	R.C.P.	1									
805	8	NELLIE LN	TOPSY TER	RIBBON TER	1		40'	19"X30"	R.C.P.	1									
807	8	NELLIE LN	NITA TER	SUGAR TER	1		40'	12"X18"	R.C.P.	1									
809	8	NITA TER	REBEL LN	NELLIE LN	1		48'	19"X30"	R.C.P.	1	1							2	1
					1		8'	12"X18"	R.C.P.										
					1		8'	12"X18"	R.C.P.										
811	8	NORA LN	YALTA TER	SALMISTA TER	1		40'	12"X18"	R.C.P.	1									
812	8	NORA LN	SALMISTA TER	SAMOVAR TER	1		40'	19"X30"	R.C.P.	1	3							2	1
					1		144'	19"X30"	R.C.P.										
					1		8'	12"X18"	R.C.P.										
843	8	REBEL LN	NITA TER	BLUEBIRD AVE		1	40'	12"X18"	R.C.P.	1									2
853	8	RIBBON TER	BLUEBIRD AVE	NELLIE LN		1	40'	14"X23"	R.C.P.	1									2
876	8	SADIGO TER	MUSIC LN	SQUAW LN	1		40'	19"X30"	R.C.P.	1									
885	8	SADNET LN	BLUEBIRD AVE	SALMISTA TER	1		48'	19"X30"	R.C.P.	1									
886	8	SADNET LN	BLUEBIRD AVE	SALMISTA TER	1		48'	24"X38"	R.C.P.	1									
887	8	SADNET LN	SALMISTA TER	SAMOVAR TER	1		40'	24"X38"	R.C.P.	1									
888	8	SADNET LN	SAMOVAR TER	MONTANA LN	1		64'	24"X38"	R.C.P.	1	1		1					1	1
					1		8'	12"X18"	R.C.P.										
889	8	SADNET LN	MONTANA LN	NEBRASKA LN	1		48'	19"X30"	R.C.P.	1			1					1	
					1		5'	18"X11"	C.A.P.										
893	8	SALMISTA TER	SARACEN LM	ARENA LN	1		40'	24"X38"	R.C.P.	1	3							4	2
					1		136'	24"X38"	R.C.P.										
					1		8'	12"X18"	R.C.P.										
					1		8'	12"X18"	R.C.P.										
					1		8'	12"X18"	R.C.P.										
894	8	SALMISTA TER	ARENA LN	YUCCA LN	1		40'	12"X18"	R.C.P.	1			1						
913	8	SPARKLE LN	MONDAY TER	S CHAMBERLAIN BL	1		40'	24"X38"	R.C.P.	1									
926A	8	TOLUCA TER	URMEY LN	ALLEGHENY LN	1		24'	29"X45"	R.C.P.		1				1			3	1
					1		24'	24"X38"	R.C.P.										
					1		32'	14"X23"	R.C.P.										
930	8	URMEY LN	ATHENA TER	ZANDER TER	1		40'	19"X30"	R.C.P.	1									
932	8	URMEY LN	WESTBERRY TER	SADIGO TER	1		52'	14"X23"	R.C.P.	1	1								
933	8	URMEY LN	SADIGO TER	TOLUCA TER	1		52'	19"X30"	R.C.P.	1									
934	8	URMEY LN	SADIGO TER	TOLUCA TER	1		40'	24"X38"	R.C.P.	1									
937	8	VANCOUVER LN	NEEDLE TER	PARKINS TER	1		56'	14"X23"	R.C.P.	1									
939	8	VANCOUVER LN	WAFFLE TER	PARKINS TER	1		40'	24"X38"	R.C.P.	1									
956	8	YALTA TER	NORA LN	ARENA LN	1		40'	24"X38"	R.C.P.	1	3							2	1
	8				1		136'	24"X38"	R.C.P.										
	8				1		8'	12"X18"	R.C.P.										
961	8	YANKEE TER	BLUEBIRD AVE	ARENA LN	1		40'	19"X30"	R.C.P.	1									
973	8	ZUYDER TER	BLUEBIRD AVE	ARENA LN	1		40'	14"X23"	R.C.P.	1									
975	8	ZUYDER TER	ARENA LN	YUCCA LN	1		40'	14"X23"	R.C.P.	1	1							1	1
					1		16'	12"X18"	R.C.P.										

2018 PAVING PROJECT STORMWATER IMPROVEMENTS

DATE: 8/29/2017

ID	SUB.	STREET	FROM	TO	PIPE	T-SWL	LENGTH	SIZE	MATRAIL	ASPH	C.B.	M.E.S.	RELOC	CONC	RIP RAP	GUARD RAIL	SPILL WAY	SWALE PIPE	FILL
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90 = CONTRACTOR PIPES
2 = CONTRACTOR T-SWALES

72	ASPHALT
17	CATCH BASINS
0	MITERED ENDS
15	RELOCATES
0	CONCRETE
1	RIP RAP
0	GUARD RAIL REMOVAL
0	SPILLWAY REMOVAL
20	SWALE PIPES
15	FILL

CATCH BASINS 2018 PAVING

8/30/2017

MODIFIED CATCH BASINS:

Catch Basin:	932
FDOT Type:	H 3 GRATE
Street :	URMEY LN
Top of Box Elev:	15.37

NEW CATCH BASINS:

Catch Basin:	598		
FDOT Type:	H 3 GRATE		
Street :	MALINDA TER		
Top of Box Elev:	14.15		
SIDE	PIPE SIZE/MATERAIL	INVERT ELEV.	THROAT
NORTH	15" A.D.S	11.85	
EAST	30" A.D.S	11.20	
SOUTH	12"X18" R.C.P.	12.40	
WEST	19"X30" R.C.P. + 14"X23" R.C.P.	11.45+11.30	

Catch Basin:	689		
FDOT Type:	D		
Street :	ALLEGHENY LN		
Top of Box Elev:	15.55		
SIDE	PIPE SIZE/MATERAIL	INVERT ELEV.	THROAT
NORTH	14"X23" R.C.P.	13.15	
SOUTHEAST	12"X18" R.C.P.	13.80	
WEST	15" R.C.P.	13.28	

Catch Basin:	732		
FDOT Type:	D		
Street :	CASCABEL TER		
Top of Box Elev:	15.85		
SIDE	PIPE SIZE/MATERAIL	INVERT ELEV.	THROAT
NORTHEAST	12"X18" R.C.P.	13.64	
SOUTH	18"X11" C.M.P.	14.44	
WEST	12"X18" R.C.P.	13.65	

Catch Basin:	809		
FDOT Type:	E		
Street :	NITA TER		
Top of Box Elev:	18.80		
SIDE	PIPE SIZE/MATERAIL	INVERT ELEV.	THROAT
NORTH	12"X18" R.C.P.	17.00	
EAST (NORTHERN ANGLE)	19"X30" R.C.P.	16.30	
SOUTH	12"X18" R.C.P.	16.80	
WEST	24" A.D.S.	15.90	

Catch Basin:	812 (1)		
FDOT Type:	E		
Street :	NORA LN		
Top of Box Elev:	19.90		
SIDE	PIPE SIZE/MATERAIL	INVERT ELEV.	THROAT
NORTH	12"X18" R.C.P.	18.10	
SOUTHEAST	19"X30" R.C.P.	17.62	
WEST	19"X30" R.C.P.	17.63	

Catch Basin:	812 (2)		
FDOT Type:	E		
Street :	NORA LN		
Top of Box Elev:	19.85		
SIDE	PIPE SIZE/MATERAIL	INVERT ELEV.	THROAT
NORTHWEST	19"X30" R.C.P.	17.52	
EAST	19"X30" R.C.P.	17.52	
SOUTH			1.5' X 0.50'

Catch Basin:	812 (3)		
FDOT Type:	E		
Street :	NORA LN		
Top of Box Elev:	19.60		
SIDE	PIPE SIZE/MATERAIL	INVERT ELEV.	THROAT
EAST	19"X30" R.C.P.	17.23	
SOUTH			1.5' X 0.50'
WEST	19"X30" R.C.P.	17.23	

Catch Basin:	888		
FDOT Type:	H		
Street :	SADNET LN		
Top of Box Elev:	18.65		
SIDE	PIPE SIZE/MATERAIL	INVERT ELEV.	THROAT
NORTH	12"X18" R.C.P.	16.90	
EAST	30" C.M.P.	15.70	
SOUTH	18"X11" C.M.P.	16.90	
WEST	24"X38" R.C.P. + 19"X30" R.C.P.	15.75 + 15.90	

Catch Basin:	893 (4)		
FDOT Type:	E		
Street :	SALMISTA TER		
Top of Box Elev:	20.00		
SIDE	PIPE SIZE/MATERAIL	INVERT ELEV.	THROAT
NORTHEAST	24"X38" R.C.P.	17.28	
SOUTH			1.5' X 0.50'
WEST	24"X38" R.C.P.	17.28	

Catch Basin:	893 (5)		
FDOT Type:	E		
Street :	SALMISTA TER		
Top of Box Elev:	20.00		
SIDE	PIPE SIZE/MATERAIL	INVERT ELEV.	THROAT
NORTH	12"X18" R.C.P.	18.25	
EAST	24"X38" R.C.P.	17.22	
SOUTHWEST	24"X38" R.C.P.	17.22	

Catch Basin:	893 (6)		
FDOT Type:	E		
Street :	SALMISTA TER		
Top of Box Elev:	20.10		
SIDE	PIPE SIZE/MATERAIL	INVERT ELEV.	THROAT
NORTH	12"X18" R.C.P.	18.35	
EAST	30" A.D.S	16.95	
SOUTH	12"X18" R.C.P.	18.35	
WEST	24"X38" R.C.P.	16.97	

Catch Basin:	926		
FDOT Type:	H		
Street :	TOLUCA TER		
Top of Box Elev:	15.20		
SIDE	PIPE SIZE/MATERAIL	INVERT ELEV.	THROAT
NORTH	24"X38" R.C.P.	12.10	
EAST	29"X45" R.C.P.	12.00	
SOUTH	14"X23" R.C.P.	12.50	
WEST	24"X38" R.C.P.	12.41	

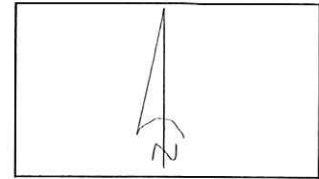
Catch Basin:	956 (1)		
FDOT Type:	E		
Street :	YALTA TER		
Top of Box Elev:	20.45		
SIDE	PIPE SIZE/MATERAIL	INVERT ELEV.	THROAT
NORTH	12"X18" R.C.P.	18.70	
SOUTHEAST	24"X38" R.C.P.	17.63	
WEST	24"X38" R.C.P.	17.64	

Catch Basin:	956 (2)		
FDOT Type:	E		
Street :	YALTA TER		
Top of Box Elev:	20.35		
SIDE	PIPE SIZE/MATERAIL	INVERT ELEV.	THROAT
NORTHWEST	24"X38" R.C.P.	17.58	
EAST	24"X38" R.C.P.	17.58	
SOUTH			1.5' X 0.50'

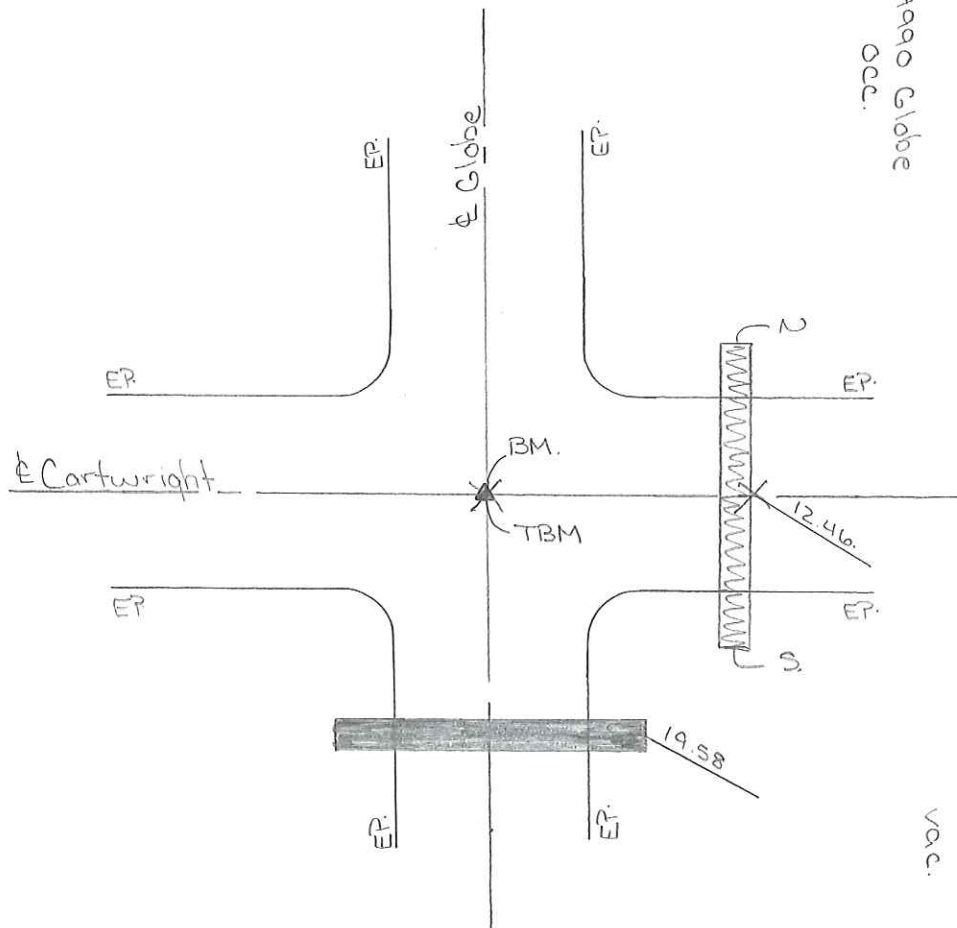
Catch Basin:	956 (3)		
FDOT Type:	E		
Street :	YALTA TER		
Top of Box Elev:	19.60		
SIDE	PIPE SIZE/MATERAIL	INVERT ELEV.	THROAT
EAST	24"X38" R.C.P.	17.43	
SOUTH			1.5' X 0.50'
WEST	24"X38" R.C.P.	17.43	

Catch Basin:	975		
FDOT Type:	E		
Street :	ZUYDER TER		
Top of Box Elev:	19.20		
SIDE	PIPE SIZE/MATERAIL	INVERT ELEV.	THROAT
NORTH	12"X18" R.C.P.	16.41	
SOUTHEAST	12"X18" R.C.P.	16.40	
WEST	14"X23" R.C.P.	16.15	

LOCATION: Cartwright @ Globe 476



DIRECTION



B.M.: Intersection of the road on the crown.

EL. = 12.50

T.B.M.: PK nail + Disk in the intersection of the R.O.W.

EL. = 12.49

PIPE: 40'-19" x 30" R.C.P.

FINAL:

N. Inv. = 9.80

S. Inv. = 9.65



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

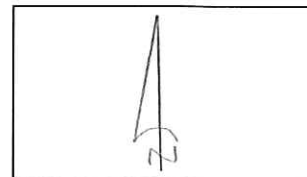
DRAWN BY: J. Polak

DATE: 7/13/17

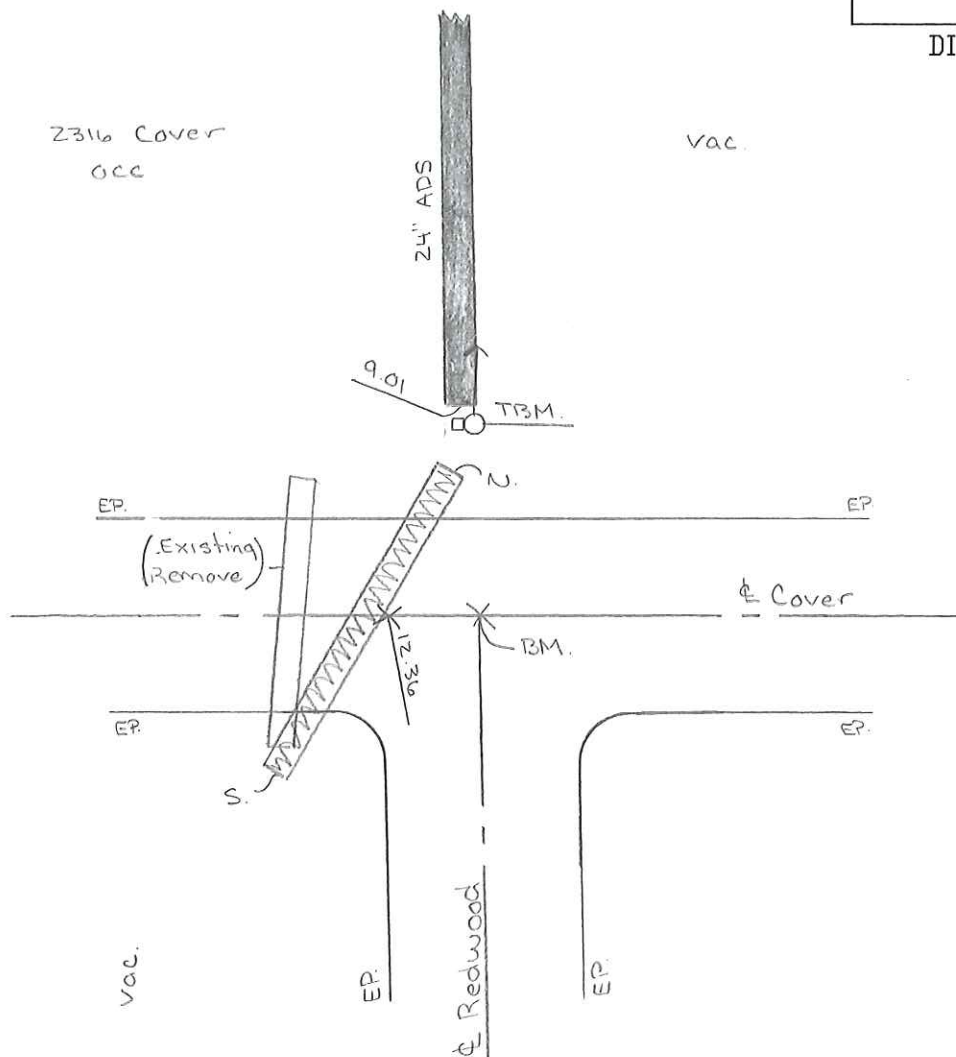
PIPE_REPLACEMENT_FORM

LOCATION: Cartwright @ Globe

LOCATION: Cover @ Redwood 489



DIRECTION



Pipe is to be relocated. City will stake the new location.

B.M.: ϕ intersection of the road on the crown

EL. = 12.34

T.B.M.: PK nail in a utility pole 25' north of the intersection

EL. = 12.16

PIPE: 48' - 19" X 30" RCP.

FINAL:

S. Inv. = 9.45

N. Inv. = 9.15



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

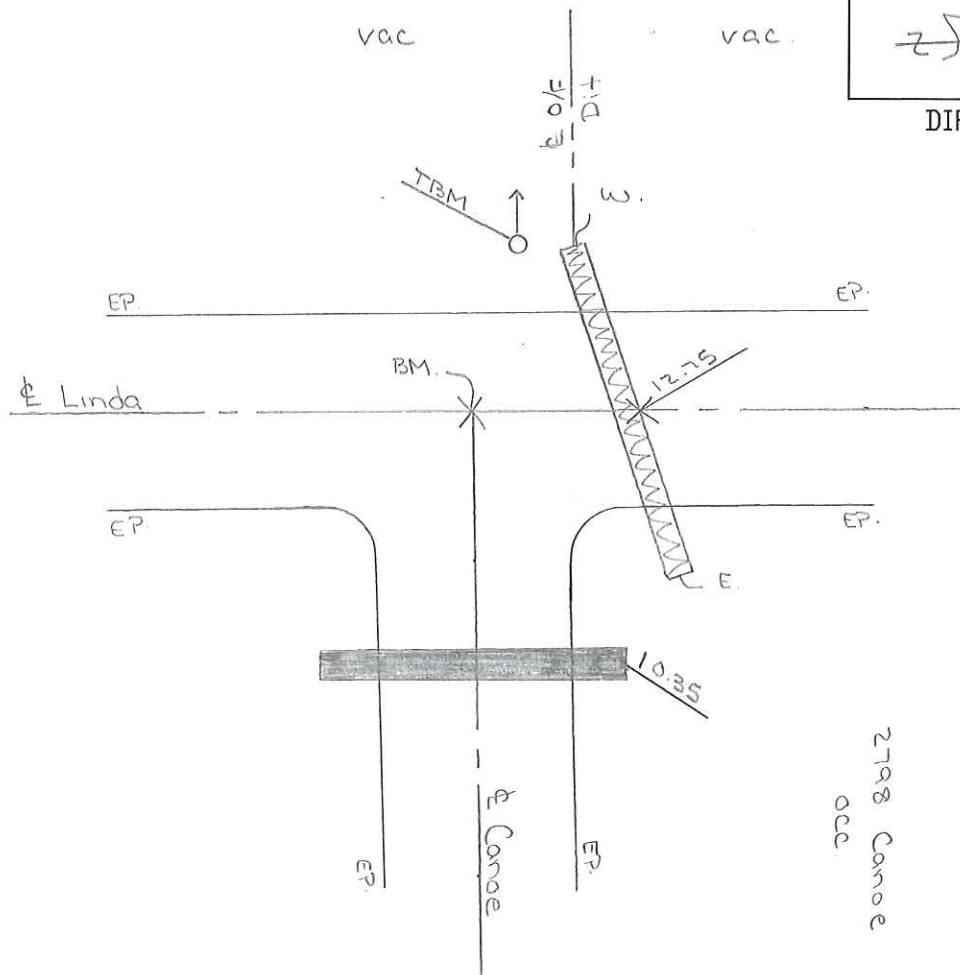
DRAWN BY: J Polak

DATE: 7/17/17

PIPE_REPLACEMENT_FORM

LOCATION: Cover @ Redwood

LOCATION: Linda @ Canoe 498



* Pipe is to be relocated. City will stake new location

B.M.: Intersection of the road on the crown.
EL: 12.70

T.B.M.: PK nail in a utility pole 25' west of the intersection
EL: 12.34

PIPE: 40'-24" x 38" RCP.
E. Inv.: 9.50
W. Inv.: 9.30

FINAL:



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

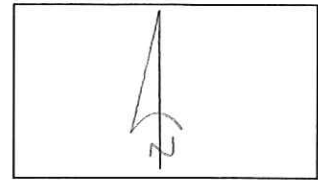
DRAWN BY: J. Polak

DATE: 7/13/17

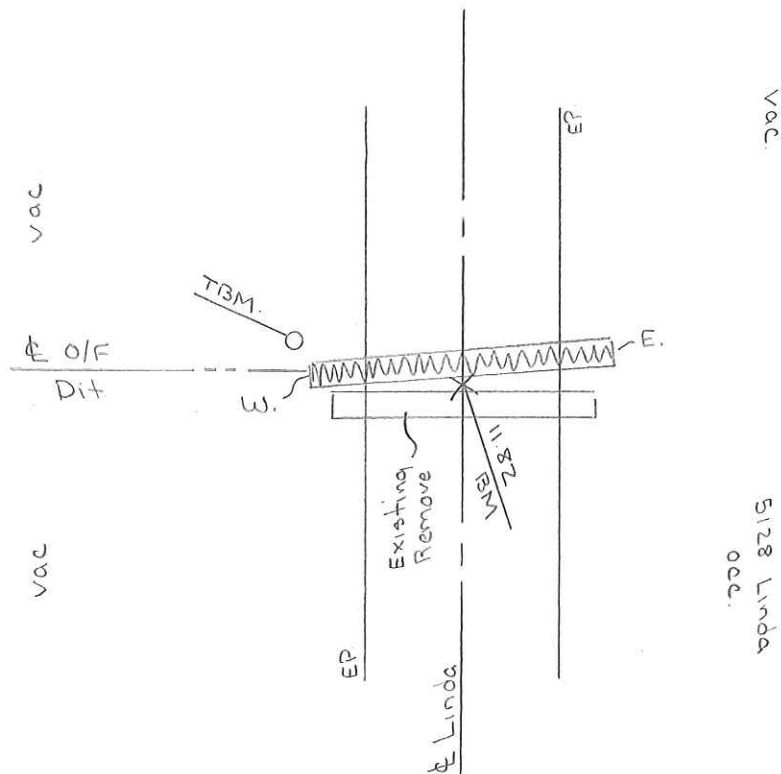
PIPE_REPLACEMENT_FORM

LOCATION: Linda @ Canoe

LOCATION: Linda (Cartwright - Show) 502



DIRECTION



Pipe is to be relocated. City will stake new location

B.M.: ¢ road on the crown over the crossdrain
EL. = 11.82

T.B.M.: PK nail in a utility pole 5' northwest of the crossdrain
EL. = 11.60

PIPE: 40' - 24" x 38" RCP.
E. Inv. = 8.60
W. Inv. = 8.40

FINAL:



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

DRAWN BY: J. Polak

DATE: 7/17/17

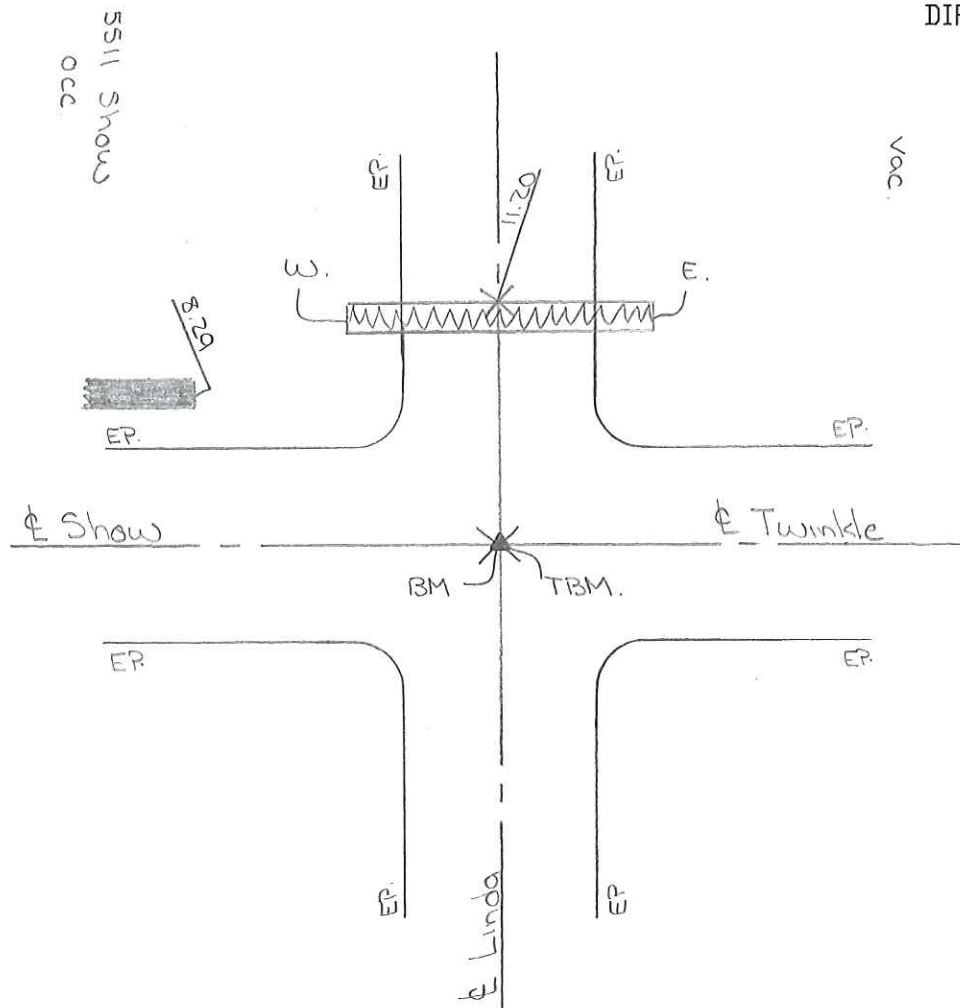
PIPE_REPLACEMENT_FORM

LOCATION: Linda (Cartwright - Show)

LOCATION: Linda @ Twinkle 503



DIRECTION



B.M.: E intersection of the road on the crown.
EL. = 11.19

T.B.M.: PK nail in a cut out in the E intersection of the ROW
EL. = 11.04

PIPE: 40' - 19" X 30" RCP

FINAL:

E. Inv. = 8.60

W. Inv. = 8.45



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

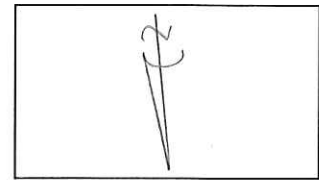
DRAWN BY: J. Polak

DATE: 7/13/17

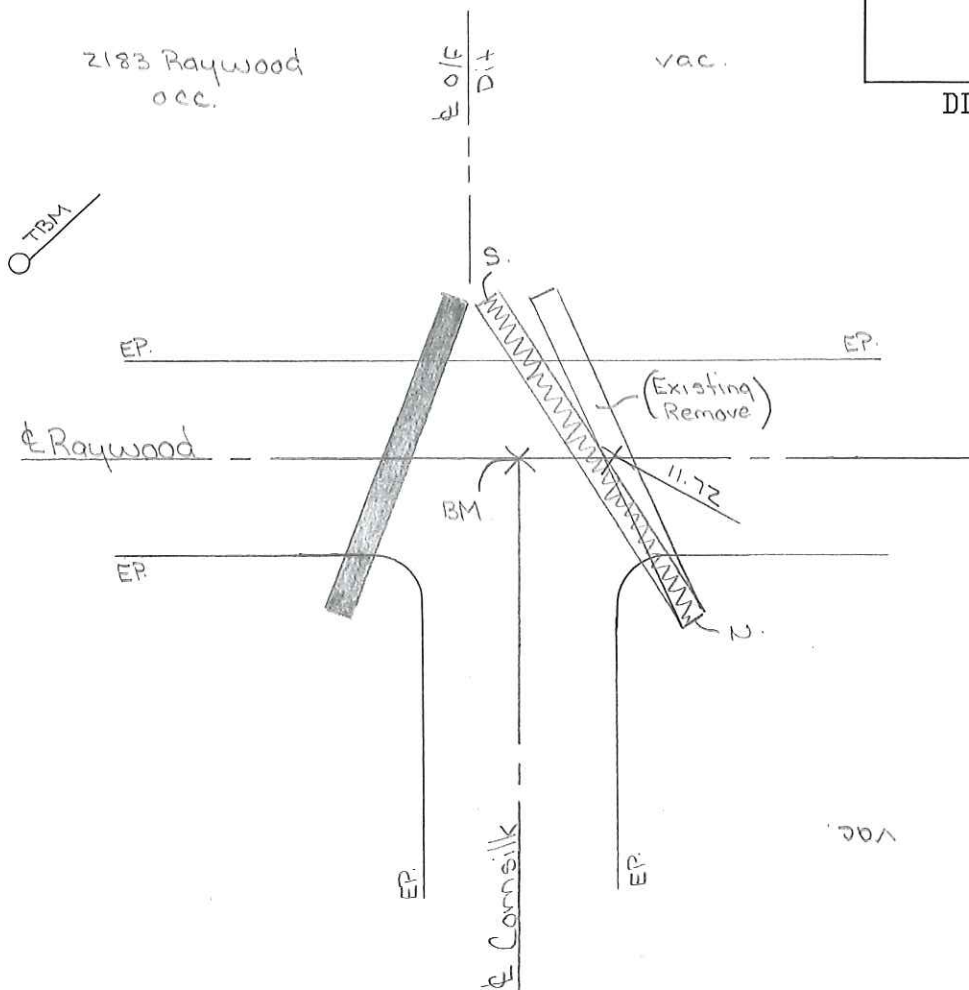
PIPE_REPLACEMENT_FORM

LOCATION: Linda @ Twinkle

LOCATION: Raywood @ Cornsilk 521



DIRECTION



B.M.: Intersection of the road on the crown
EL. = 11.72

T.B.M.: PK nail in a utility pole 25' south + 90' east of the intersection
EL. = 12.07

PIPE: 56' - 24" X 38" RCP FINAL:
N. Inv. = 8.60
S. Inv. = 8.45



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

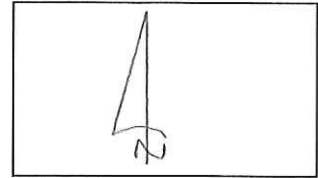
DRAWN BY: J. Polak

DATE: 7/18/17

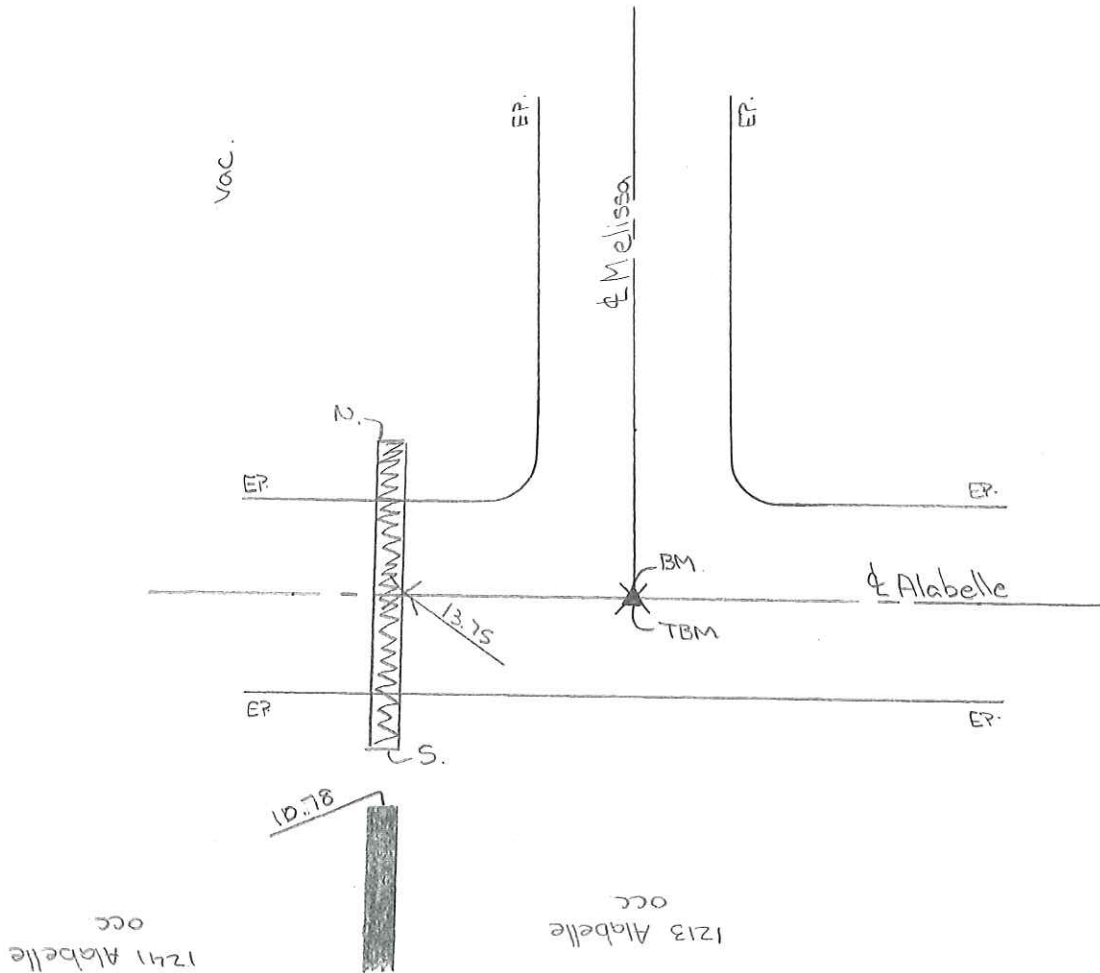
PIPE_REPLACEMENT_FORM

LOCATION: Raywood @ Cornsilk

LOCATION: Alabelle @ Melissa 546



DIRECTION



B.M.: Intersection of road on the crown

EL. = 13.68

T.B.M.: PK nail + Disk in the intersection of the row.

EL. = 13.68

PIPE: 40' - 14" x 23" RCP.

FINAL:

N. Inv. = 11.30

S. Inv. = 11.00



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

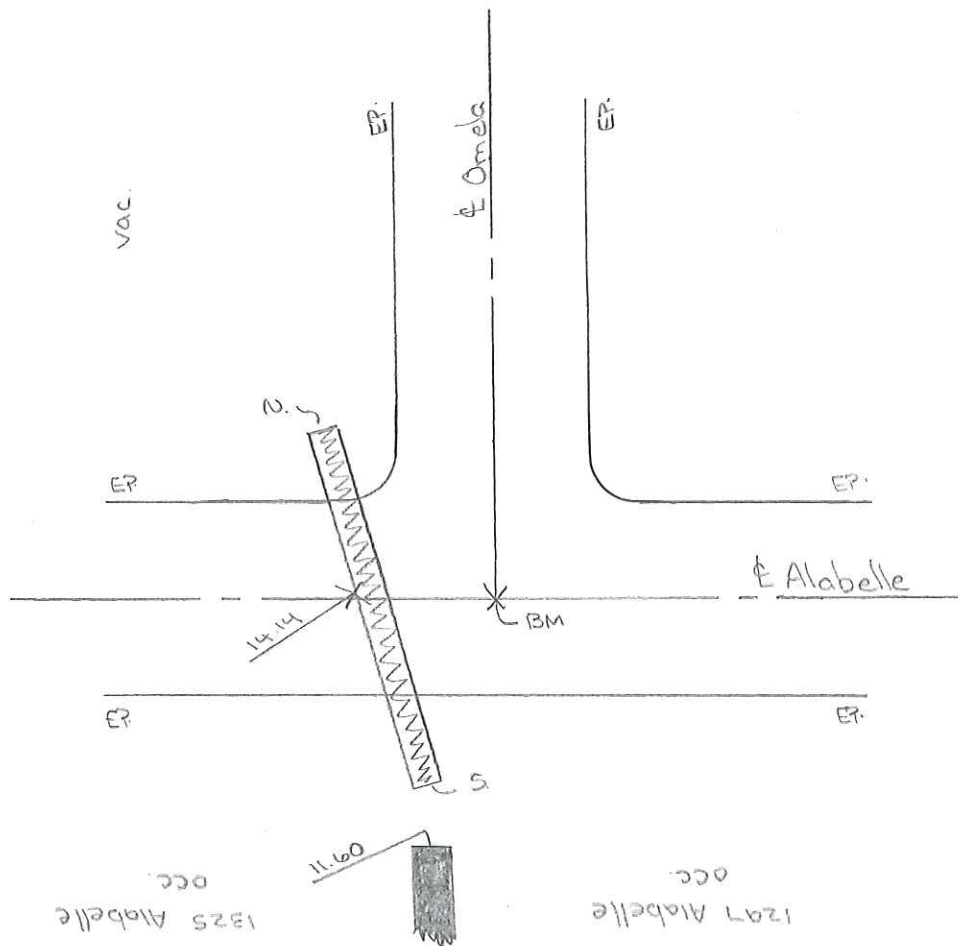
DRAWN BY: J. Polak

DATE: 8/1/17

PIPE_REPLACEMENT_FORM

LOCATION: Alabelle @ Melissa

547


$$EL = 14.18$$

EL. = 14.18

S. Inv. = 11.75.



DRAWN BY: J Polak

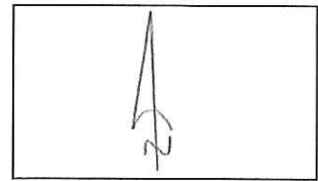
DATE: 8/1/17

PIPE_REPLACEMENT_FORM

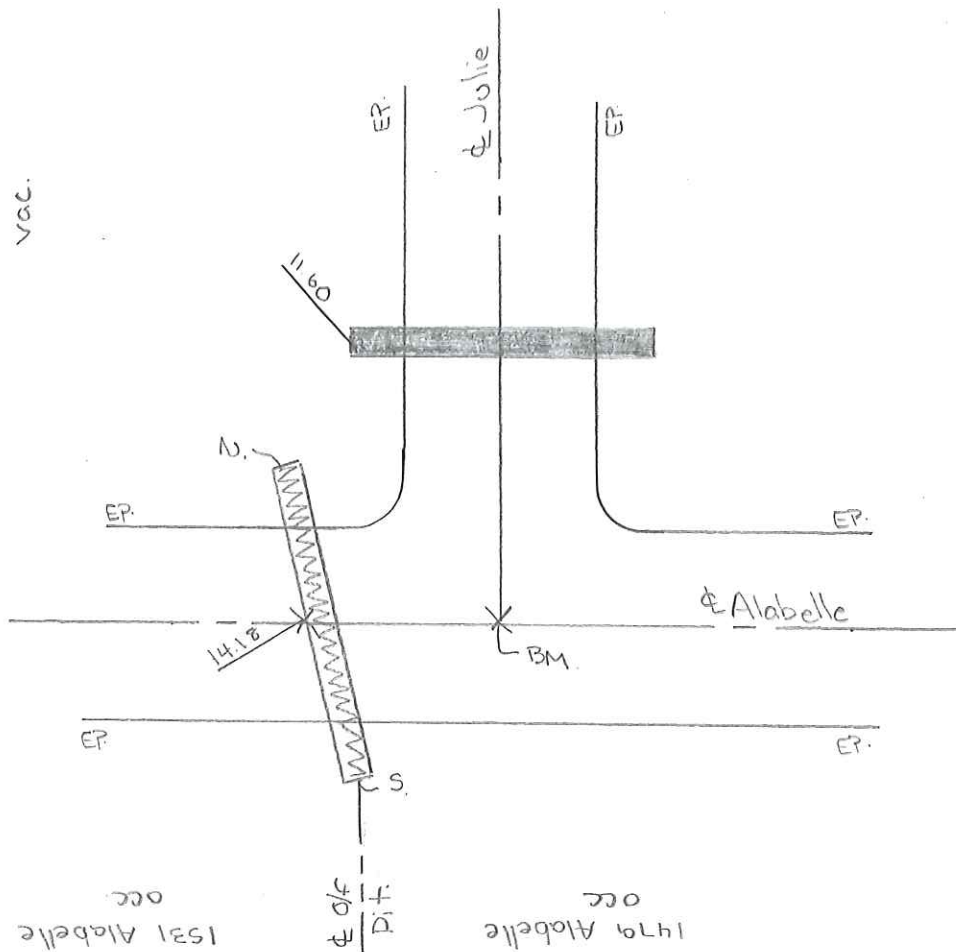
LOCATION: Alabelle @ Omela

LOCATION: Alabelle @ Julie

549



DIRECTION



B.M.: Intersection of the road on the crown
EL. = 14.33.

T.B.M.: PK nail + Disk in the intersection of the ROW
EL. = 14.32

PIPE: 40' - 19" X 30" RCP

FINAL:

N. Inv. = 11.50

S. Inv. = 11.30



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

DRAWN BY: J. Polak

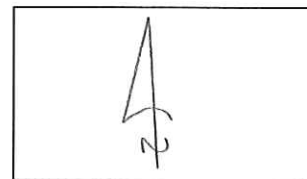
DATE: 8/1/17

PIPE_REPLACEMENT_FORM

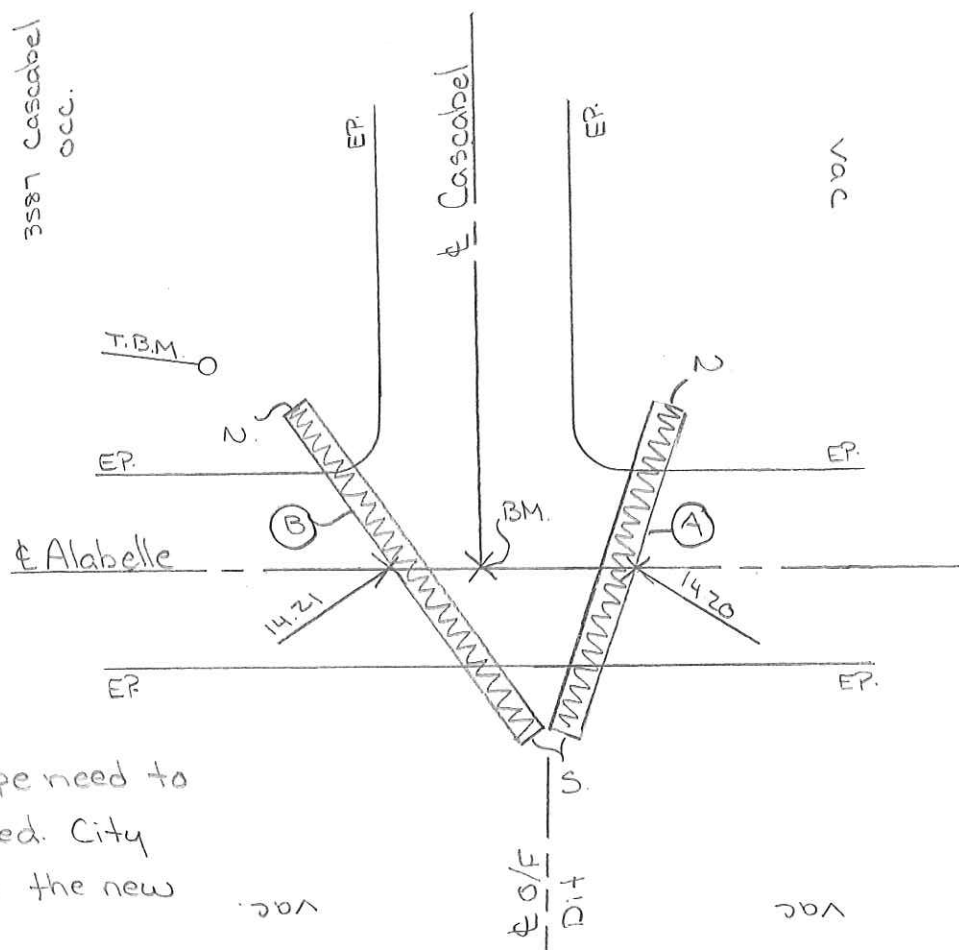
LOCATION: Alabelle @ Julie

LOCATION: Alabelle @ Cascabel

(A) 550 (B) 551



DIRECTION



* Both pipe need to be relocated. City will stake the new location.

B.M.: @ intersection of the road on the crown

EL. = 14.21

T.B.M.: PK nail in a utility pole at the northwest corner of the intersection.

EL. = 14.64

PIPE: (A) 48'-14" x 23" RCP (B) 64'-19" x 30" RCP. FINAL:

N. Inv. = 11.70

N. Inv. = 11.45

S. Inv. = 11.40

S. Inv. = 11.30



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

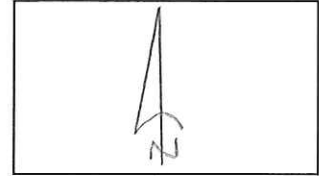
DRAWN BY: J. Polak

DATE: 8/1/17

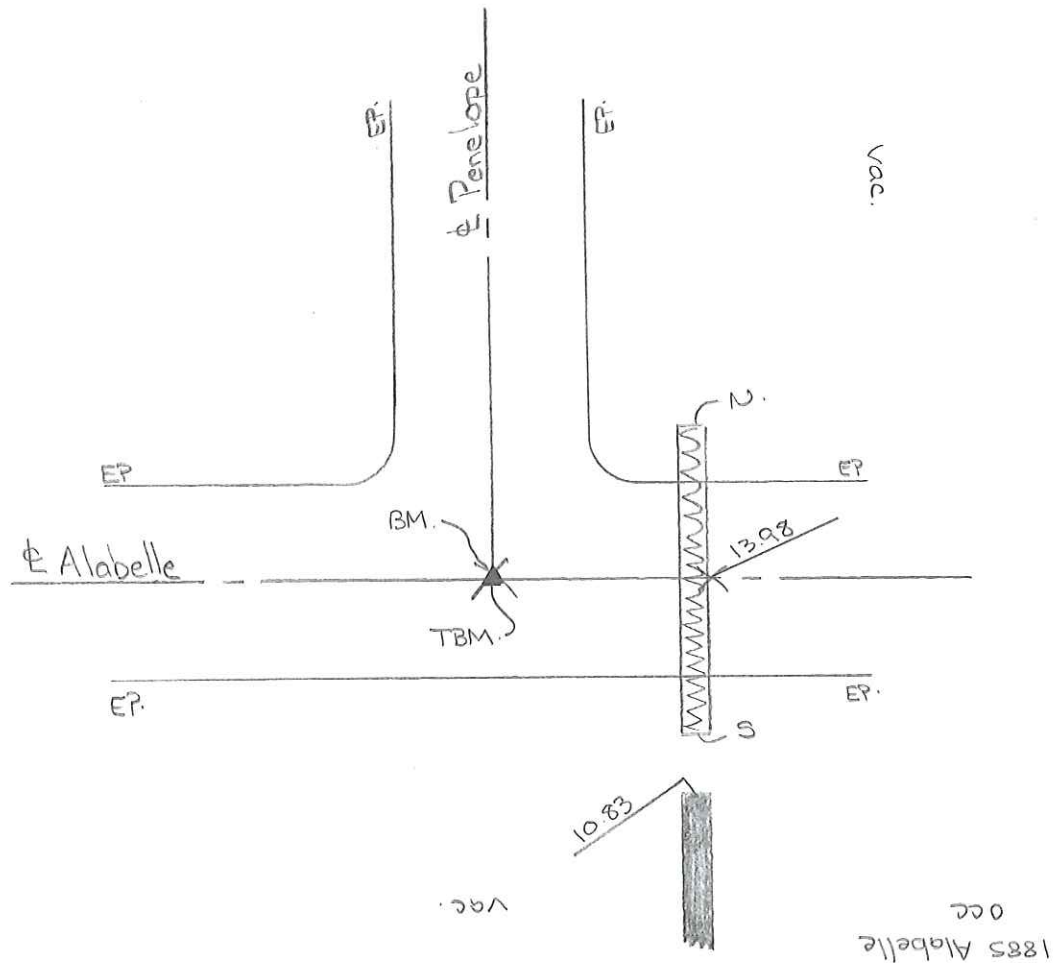
PIPE_REPLACEMENT_FORM

LOCATION: Alabelle @ Cascabel

LOCATION: Alabelle @ Penelope SSZ



DIRECTION



B.M.: Intersection of the road on the crown.
EL. = 13.82

T.B.M.: PK nail + Disk in the intersection of the ROW
EL. = 13.82

PIPE: 40' - 19" X 30" RCP. FINAL:
N. Inv. = 11.40
S. Inv. = 11.30



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

DRAWN BY: J. Polak

DATE: 8/1/17

PIPE_REPLACEMENT_FORM

LOCATION: Alabelle @ Penelope

LOCATION: Allegheny @ Toluca

A 555 B 689

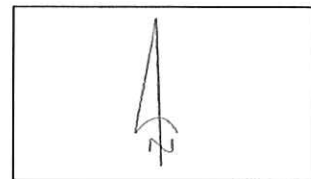
1 Type "D"

Top of box EL: 15.55

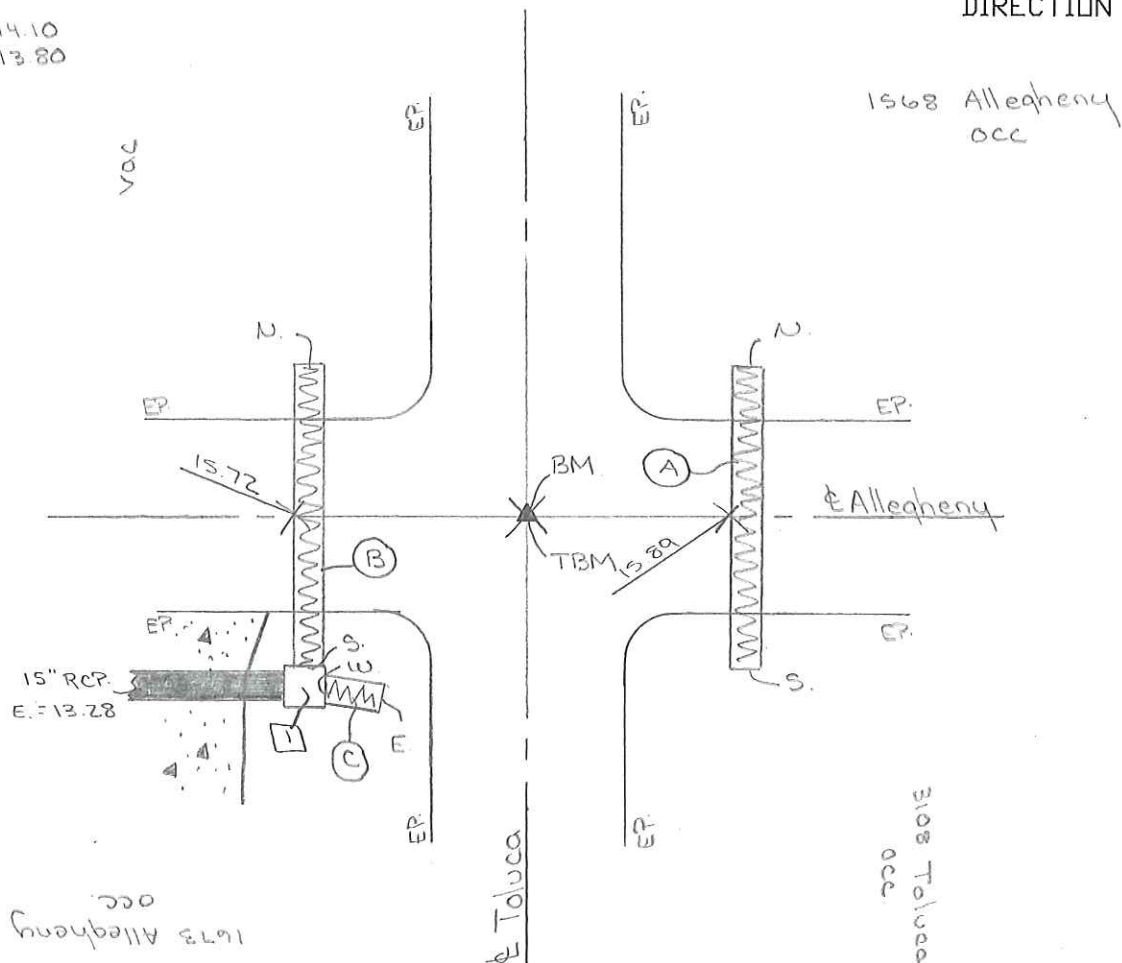
2 8'-12"X18" RCP

E. Inv. = 14.10

W. Inv. = 13.80



DIRECTION



B.M.: @ intersection of the road on the crown.

EL: 15.91

T.B.M.: Pknail + Disk in a cut out at the @ intersection of the ROW

EL: 15.78

PIPE: (A) 40'-14"X23" RCP. (B) 40'-14"X23" RCP

FINAL:

S. Inv. = 13.50

S. Inv. = 13.15

N. Inv. = 13.30

N. Inv. = 12.90



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

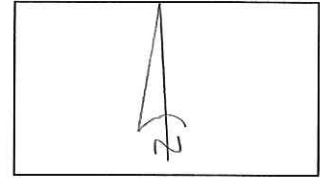
DRAWN BY: J. Polak

DATE: 8/2/17

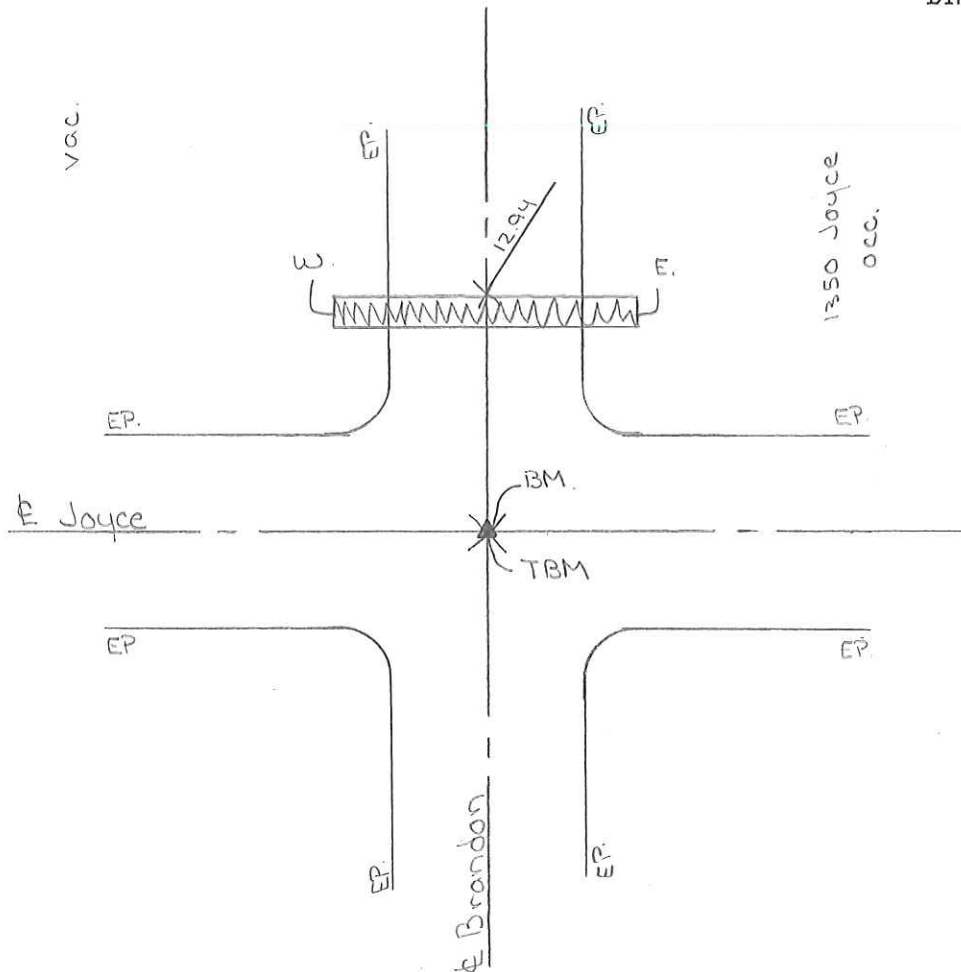
PIPE_REPLACEMENT_FORM

LOCATION: Allegheny @ Toluca

LOCATION: Brandon @ Joyce 559



DIRECTION



B.M.: E intersection of the road on the crown.

EL. = 13.05

T.B.M.: PK nail + Disk in the E intersection of the ROW

EL. = 13.06

PIPE: 40' - 14" X 23" RCP.

FINAL:

W. INV. = 11.10

E. INV. = 10.85



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

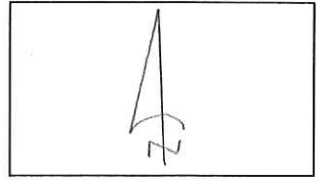
DRAWN BY: J. Polak

DATE: 7/19/17

PIPE_REPLACEMENT_FORM

LOCATION: Brandon @ Joyce

LOCATION: Molinda @ Woodcrest ^A598/^B599



DIRECTION

①: Type H-3

Top of box EL: 14.15

② ±15'-15" ADS

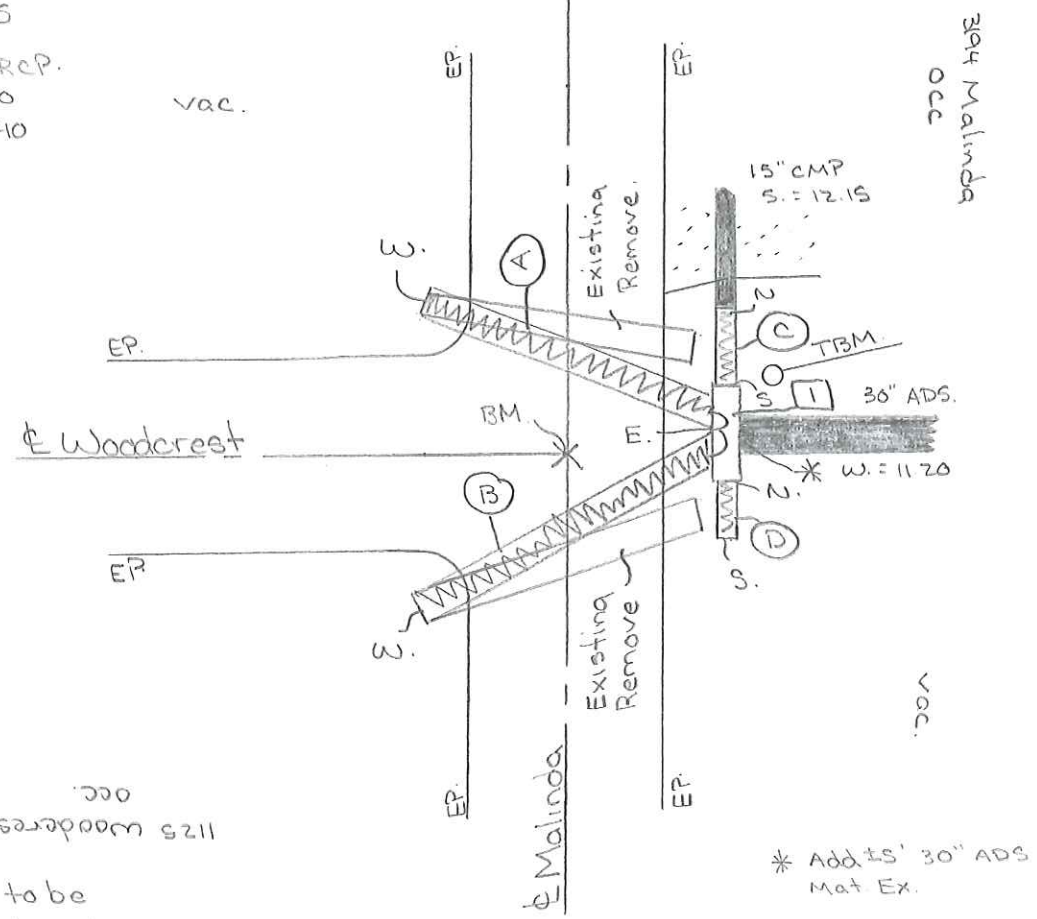
N. Inv. = Mat Ex.

S. Inv. = 11.85

③ 8'-12"X18" RCP.

S. Inv. = 13.00

N. Inv. = 12.40



* Pipes need to be relocated. City will stake the new location.

* Add ±5' 30" ADS Mat Ex.

B.M.: Intersection of the road on the crown.
EL. = 14.46

T.B.M.: PK nail in utility pole 25' east of the intersection
EL. = 14.67

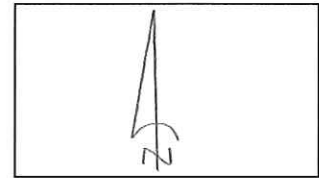
PIPE: ① 56'-19"X30" RCP.	② 62'-14"X23" RCP.	FINAL:
W. Inv. = 11.65	W. Inv. = 11.65	
E. Inv. = 11.45	E. Inv. = 11.30	



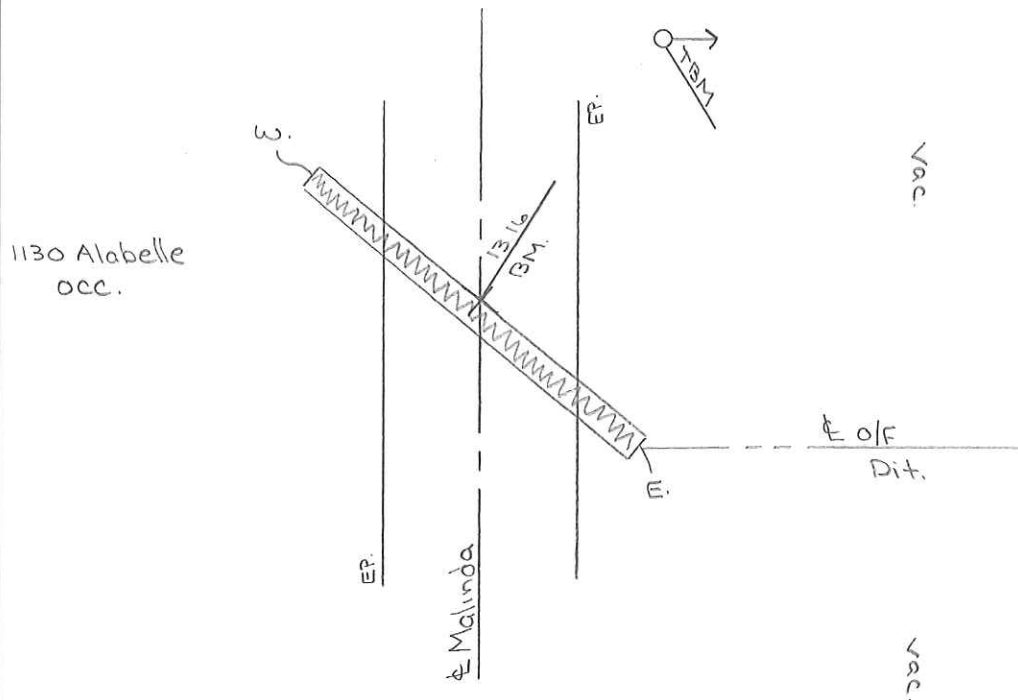
CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

DRAWN BY: J. Polak	DATE: 8/2/17
PIPE_REPLACEMENT_FORM	
LOCATION: Molinda @ Woodcrest	

LOCATION: Malinda (Shadow - Alabelle) 602



DIRECTION



B.M.: ℄ road on the crown over the crossdrain

EL. = 13.16

T.B.M.: PK nail in utility pole 80' north of the crossdrain on the east side of the road.

EL. = 13.94

PIPE: 56'-19" X 30" RCP.

FINAL:

W. Inv. = 10.50

E Inv. = 10.30



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

DRAWN BY: J. Polak

DATE: 8/2/17

PIPE_REPLACEMENT_FORM

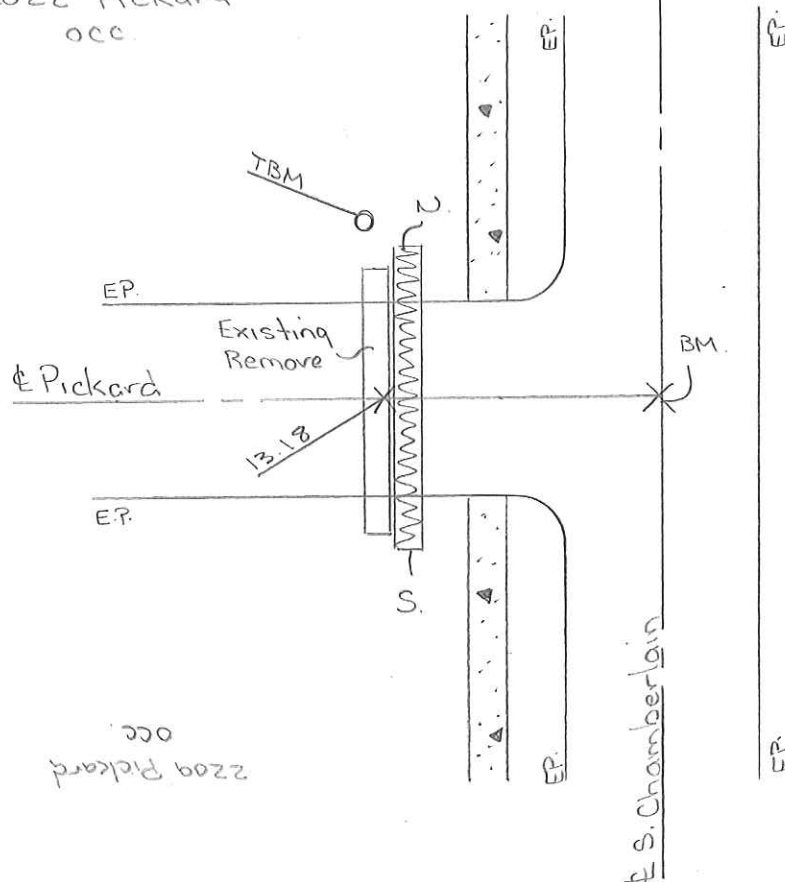
LOCATION: Malinda (Shadow - Alabelle)

LOCATION: Pickard @ S. Chamberlain 633



DIRECTION

2022 Pickard
occ.



Pipe is to be relocated. City will stake new location.

B.M.: Intersection of the road on the crown.
EL. = 13.18

T.B.M.: PK nail in a utility pole at the northwest corner of the
intersection
EL. = 12.80

PIPE: 40' - 14" X 23" RCP
S. Inv. = 10.95
W. Inv. = 10.70

FINAL:



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

DRAWN BY: J. Polak

DATE: 7/20/17

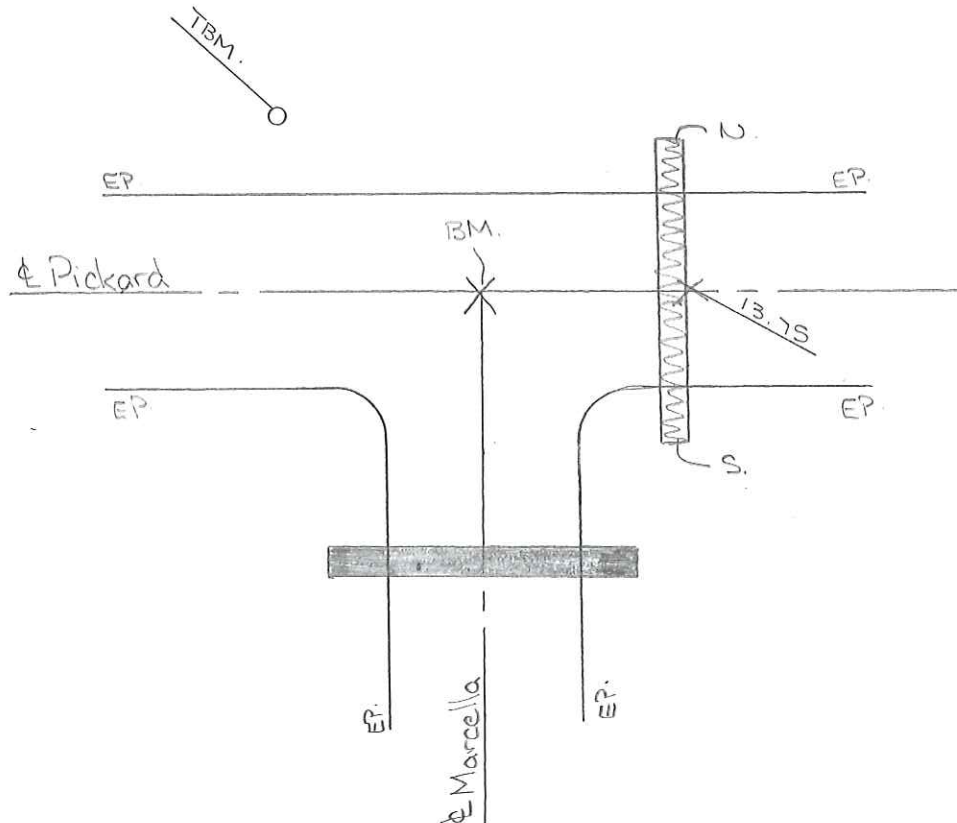
PIPE_REPLACEMENT_FORM

LOCATION: Pickard @ S. Chamberlain

636



2638 Pickard
occ.


$$EL = 13.79$$
$$EL = 14.13.$$

FINAL:

N. Inv. = 10.75



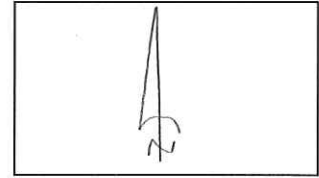
DRAWN BY: J. Polak

DATE: 7/20/17

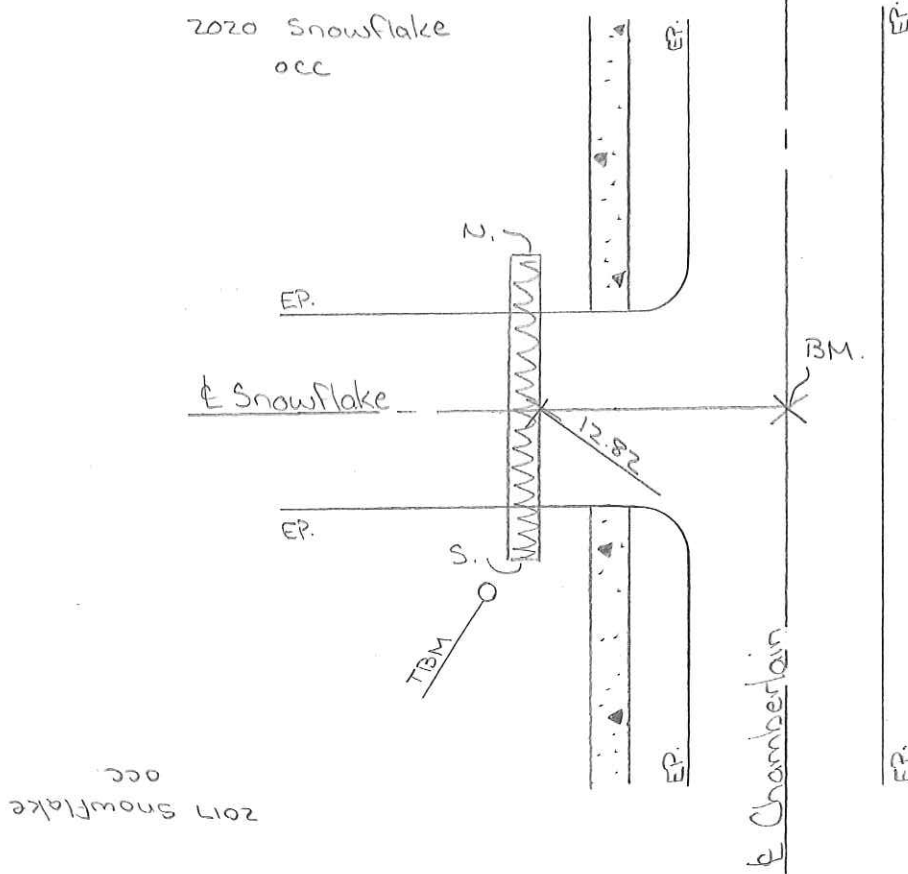
PIPE_REPLACEMENT_FORM

LOCATION: Pickard @ Marcella

LOCATION: Snowflake @ S. Chamberlain 665



DIRECTION



B.M.: E intersection of the road on the crown.

EL. = 12.83

T.B.M.: PK nail in a utility pole, at the southwest corner of the intersection

EL. = 11.87

PIPE: 40' - 14" X 23" RCP

FINAL:

N. Inv. = 10.40

S. Inv. = 10.10



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

DRAWN BY: J. Polak

DATE: 7/25/17

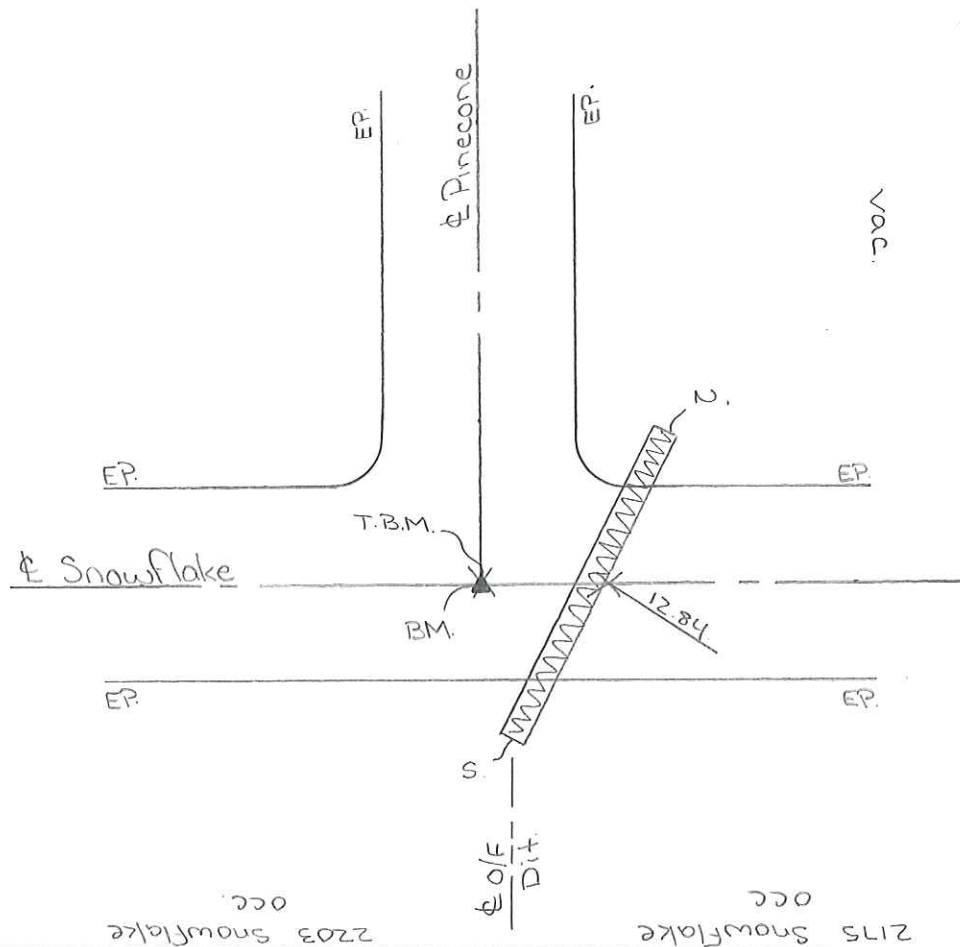
PIPE_REPLACEMENT_FORM

LOCATION: Snowflake @ Chamberlain

LOCATION: Snowflake @ Pinecone 666



DIRECTION



B.M.: Intersection of the road on the crown.
EL. = 12.85

T.B.M.: PK nail + Disk in the intersection of the ROW
EL. = 12.86

PIPE: 56' - 14" X 30" RCP
N. INV. = 10.30
S. INV. = 10.10

FINAL:



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

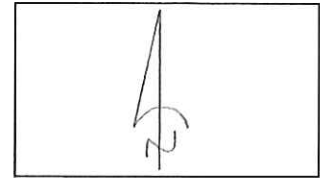
DRAWN BY: J. Polak

DATE: 7/25/17

PIPE_REPLACEMENT_FORM

LOCATION: Snowflake @ Pinecone

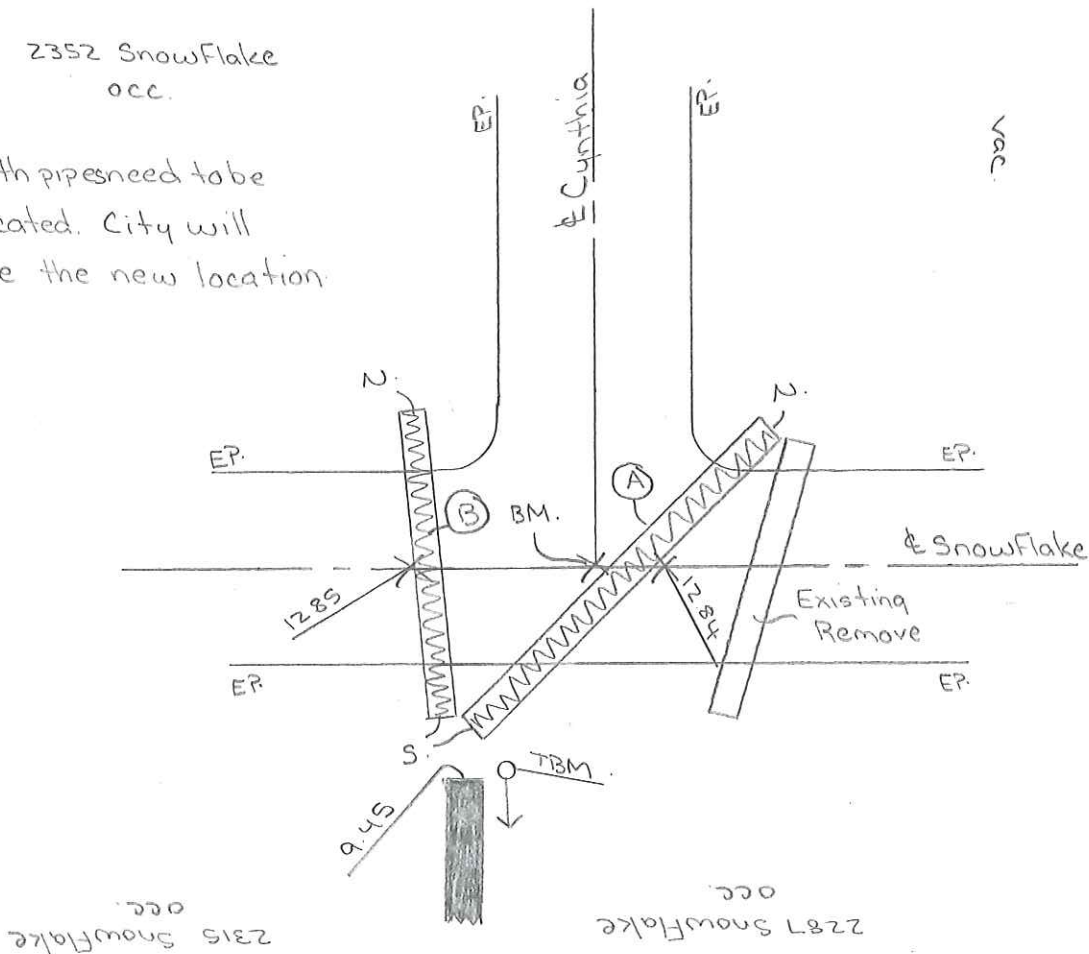
LOCATION: Snowflake @ Cynthia ^{A B} 667/668



DIRECTION

2352 Snowflake
occ.

* Both pipes need to be
relocated. City will
stake the new location.



B.M.: Intersection of the road on the crown.

EL. = 12.86

T.B.M.: PK nail in a utility pole 25' south of the intersection

EL. = 11.46

PIPE: (A) 64'-19"X30" RCP (B) 48'-19"X30" RCP

FINAL:

N. Inv. = 9.90

N. Inv. = 9.80

S. Inv. = 9.70

S. Inv. = 9.50



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

DRAWN BY: J. Polak

DATE: 7/25/17

PIPE_REPLACEMENT_FORM

LOCATION: Snowflake @ Cynthia

Hand-drawn geological cross-section diagram. The diagram shows a wellbore (vertical line) with a casing (hatched area) and a plug (hatched area). The wellbore is labeled 'Marcella' and 'Snowflake'. The casing is labeled 'EP.' and 'RM.'. The plug is labeled 'S.'. The wellhead is labeled 'TBM.'. The diagram also shows a cross-section of a wellhead with a valve. The diagram is labeled '2682 Snowflake occ.' and '2685 Snowflake occ.'.

EL: 12.89

EL. = 12.31

FINAL:

S. Inv. = 9.40



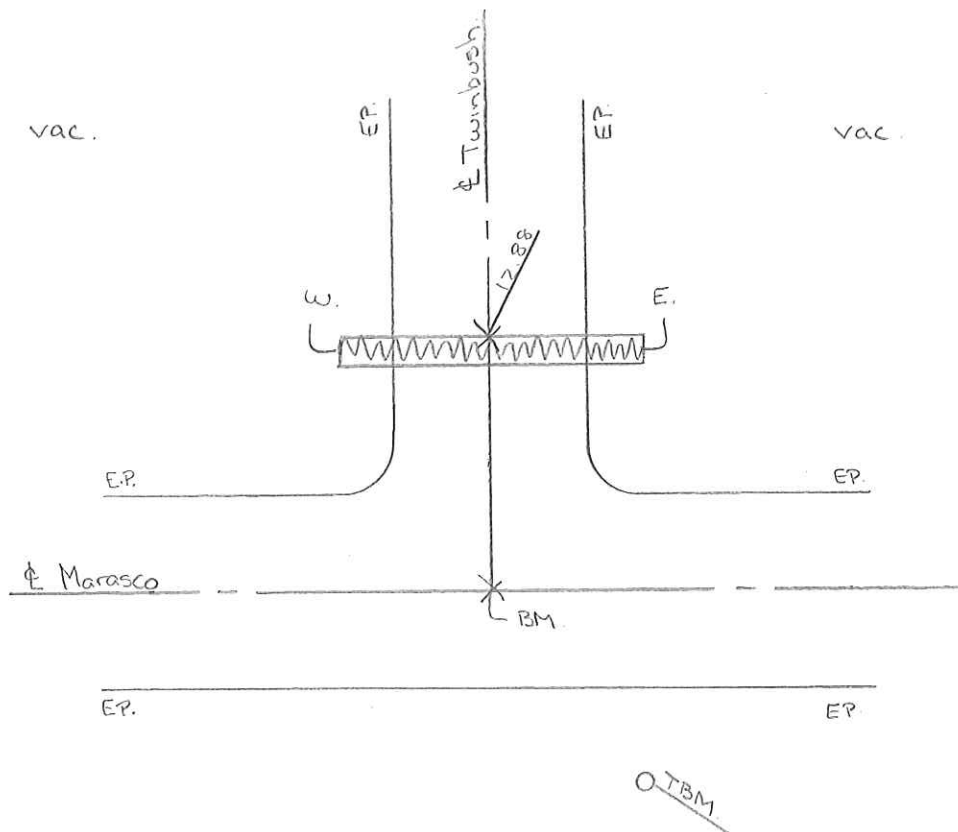
DRAWN BY: J. Polak

DATE: 7/25/17

PIPE_REPLACEMENT_FORM

LOCATION: Snowflake @ Marcella

677



B.M.: Intersection of the road on the crown.

$$EL = 13.18$$

T.B.M.: PK nail in a utility pole, 25' south + 25' east of the intersection

EL. = 13.65

PIPE: 40' - 19" X 30" RCP

FINAL:

E. Inv. = 10.60

$$W.I.N.V. = 10.45$$



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

DRAWN BY: J. Polak

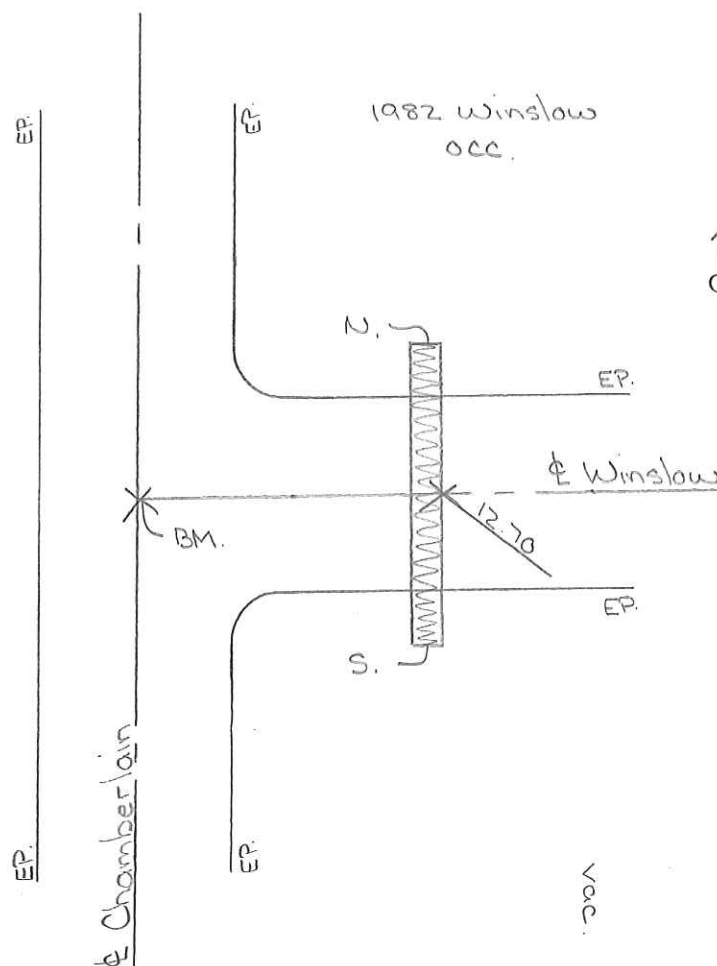
DATE: 7/26/17

PIPE_REPLACEMENT_FORM

LOCATION: Twinbush @ Marasco



A diagram of a Tunnel Boring Machine (TBM) showing a vertical shaft with an upward arrow and a horizontal line labeled 'TBM'.

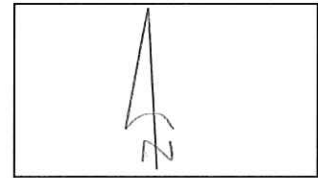


N. Inv. = 10.05

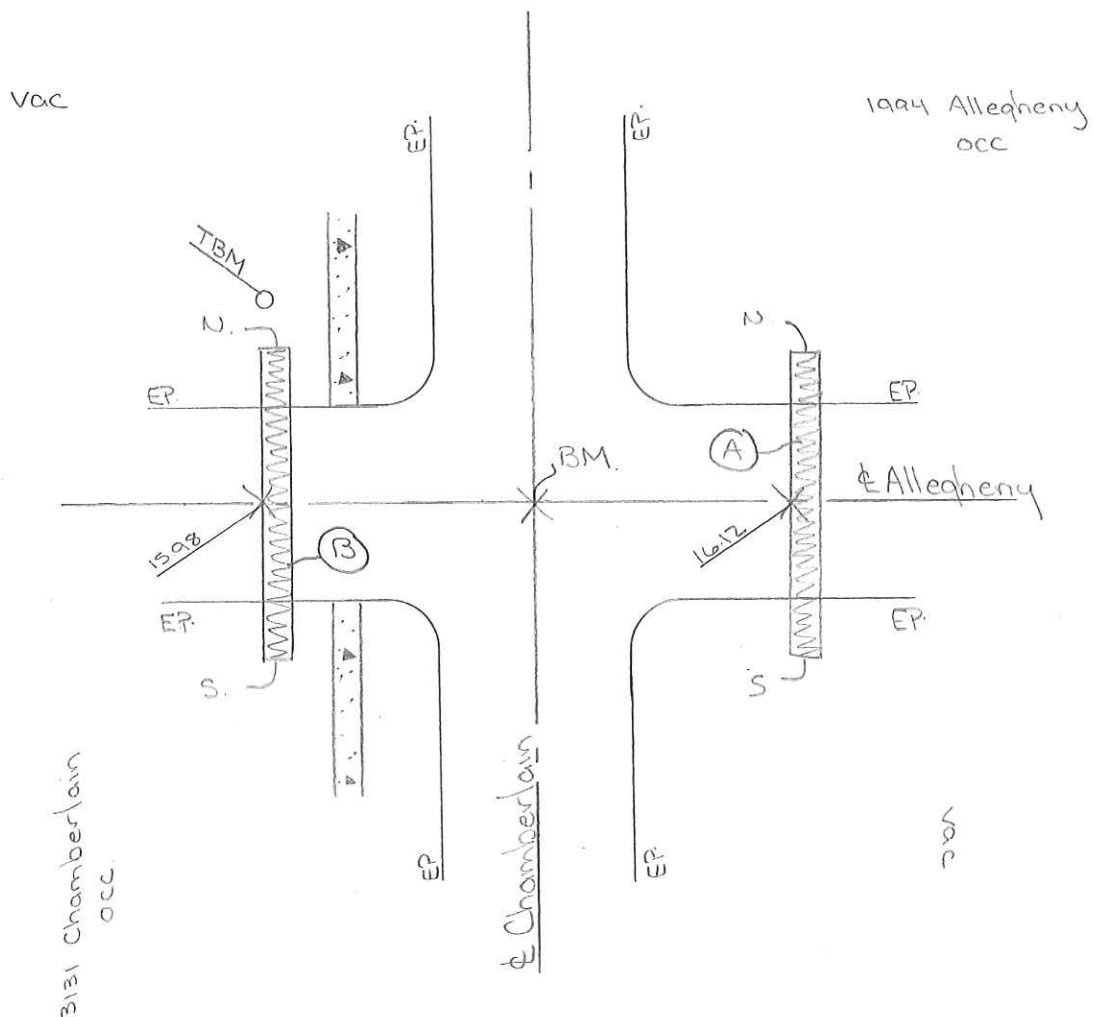


LOCATION: Winslow @ Chamberlain

LOCATION: Allegheny @ Chamberlain ^{A B} 692/693



DIRECTION



B.M.: ϕ intersection of the road on the crown.
EL. = 16.24

T.B.M.: PK nail in a utility pole at the northwest corner of the intersection
EL. = 15.44

PIPE (A) 40'-12" X 18" RCP.	(B) 40'-12" X 18" RCP	FINAL:
S. Inv. = 13.80	S. Inv. = 13.70	
N. Inv. = 13.70	N. Inv. = 13.60	



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

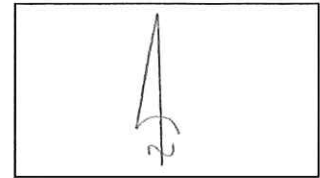
DRAWN BY: J. Polak

DATE: 8/4/17

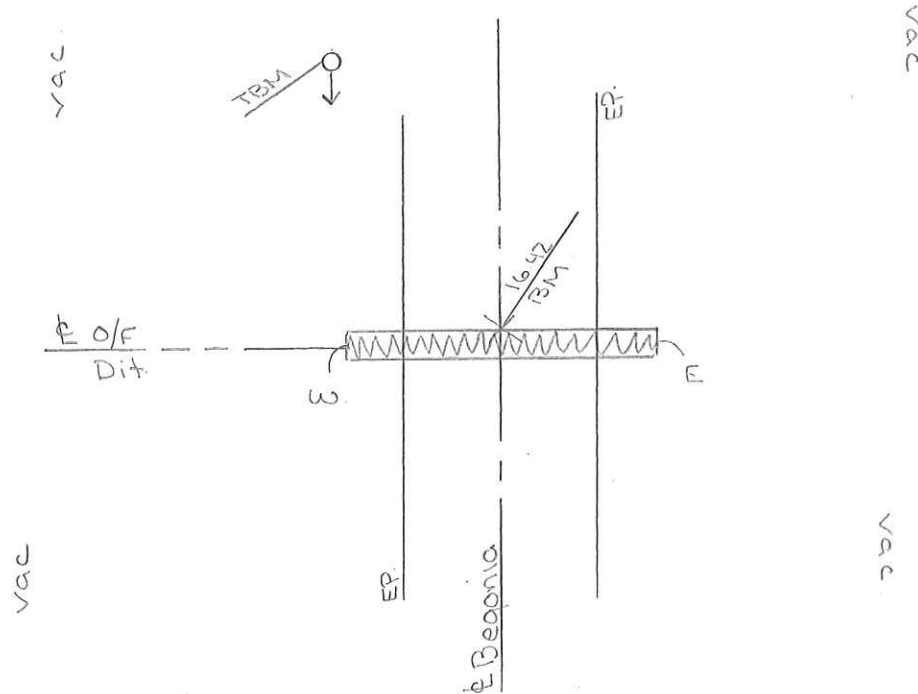
PIPE_REPLACEMENT_FORM

LOCATION: Allegheny @ Chamberlain

LOCATION: Begonia (Music - Bonanza) 705



DIRECTION



* Pipe is to be relocated
City will stake new location

B.M.: E road over the crossdrain on the crown
EL. = 16.42

T.B.M.: PK nailing a utility pole 80' north of the crossdrain on the
west side of the road
EL. = 16.23

PIPE: 40' - 14" x 23" RCP
E Inv. = 14.40
W Inv. = 14.15

FINAL:



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

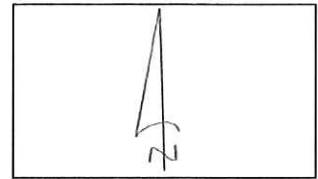
DRAWN BY: J. Polak

DATE: 8/8/17

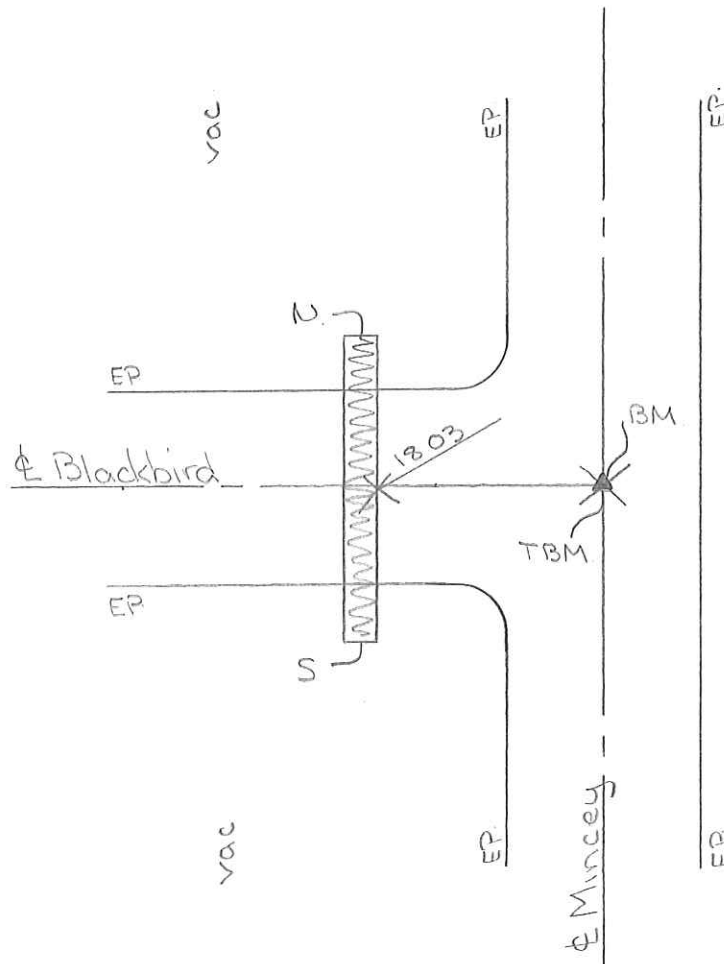
PIPE_REPLACEMENT_FORM

LOCATION: Begonia (Music - Bonanza)

LOCATION: Blackbird @ Mincey 706



DIRECTION



B.M.: Intersection of the road on the crown.

EL. = 17.76

T.B.M.: PK nail + Disk in the intersection of the ROW

EL. = 17.76

PIPE: 40' - 14" X 23" RCP.

FINAL:

N. Inv. = 13.45

S. Inv. = 13.25



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

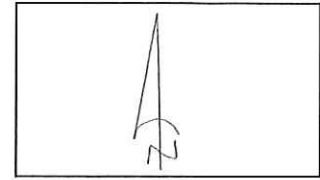
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DATE: 8/17/17

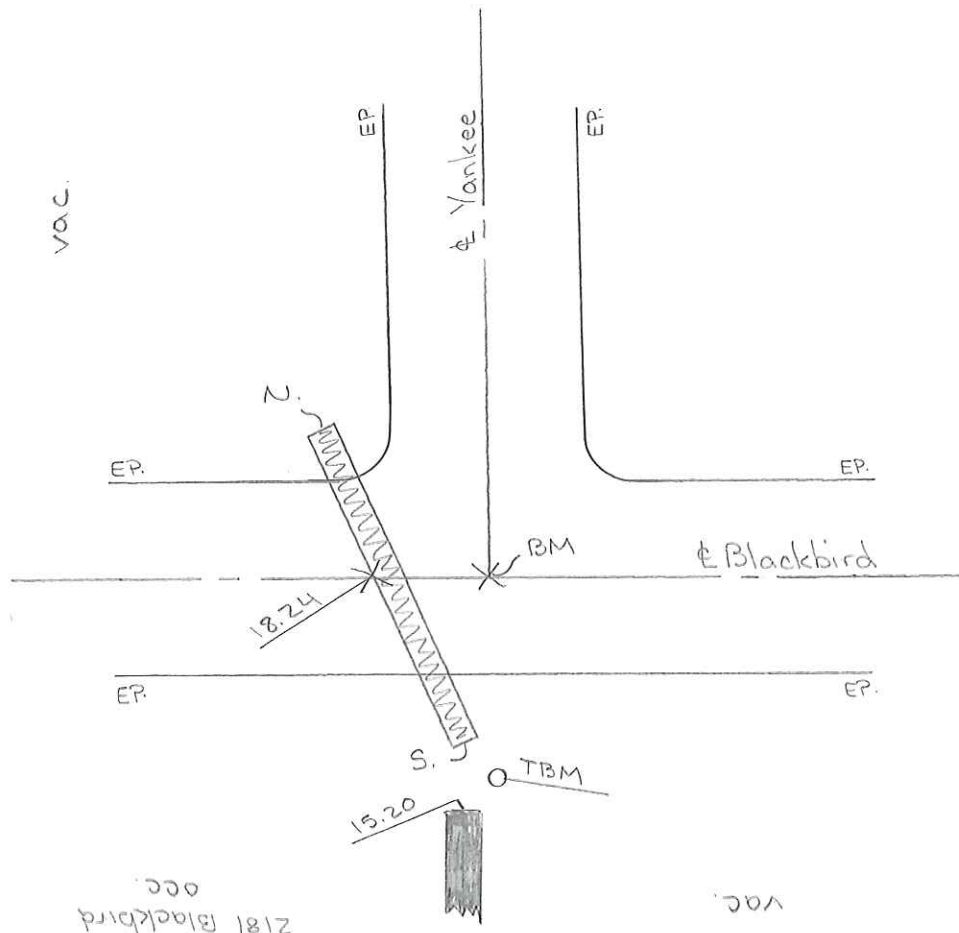
PIPE_REPLACEMENT_FORM

LOCATION: Blackbird @ Mincey

LOCATION: Blackbird @ Yankee 707



DIRECTION



B.M.: Intersection of the road on the crown.
EL. = 18.22

T.B.M.: PK nail in a utility pole 25' south of the intersection.
EL. = 17.93

PIPE: 48'-14" x 23" RCP.
N. Inv. = 15.80
S. Inv. = 15.50

FINAL:



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

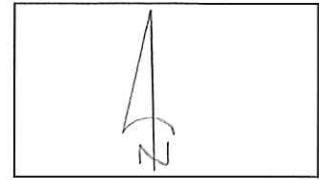
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DATE: 8/18/17

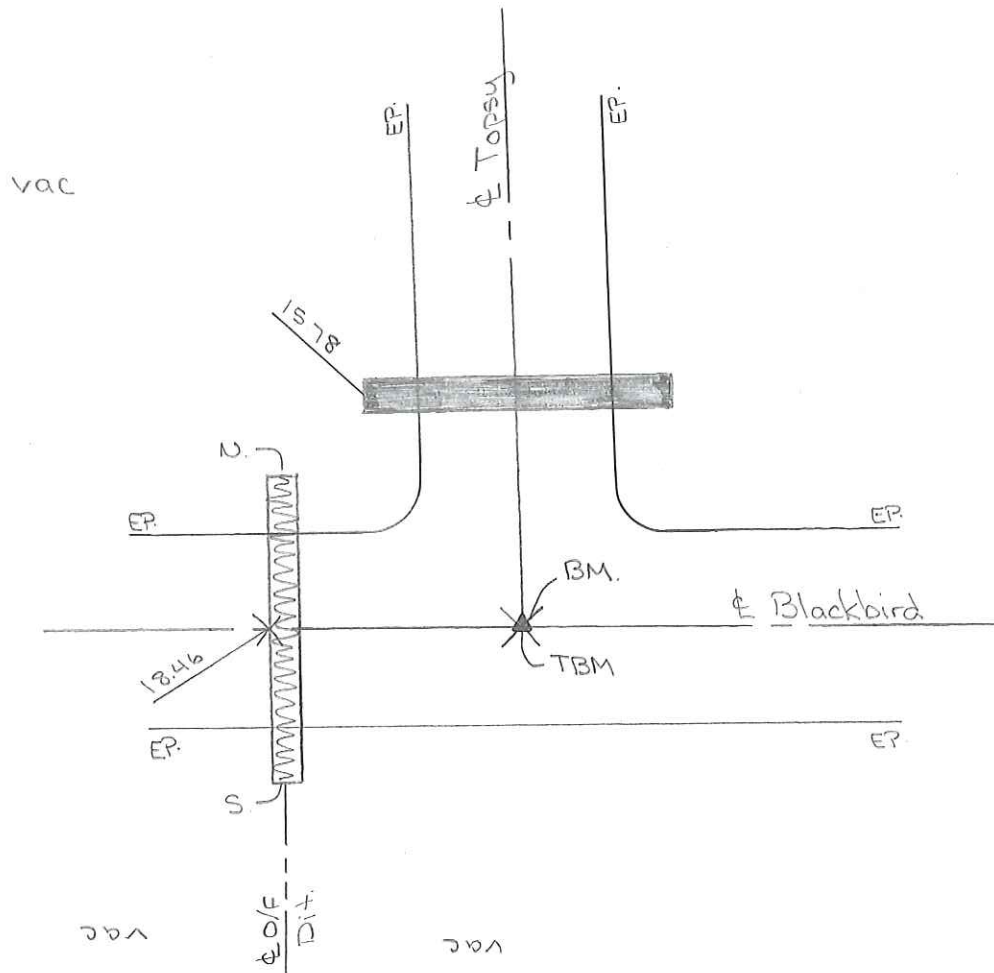
PIPE_REPLACEMENT_FORM

LOCATION: Blackbird @ Yankee

LOCATION: Blackbird @ Topsy 709



DIRECTION



B.M.: Intersection of the road on the crown
EL = 18.43

T.B.M.: PK nail + Disk in the intersection of the R.O.W.
EL = 18.39

PIPE: 40' - 24\"
N Inv. = 15.40
S Inv. = 15.25

FINAL:



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

DRAWN BY: J. Polak

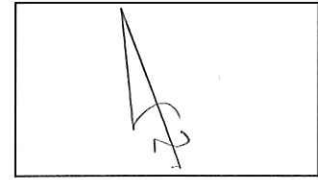
DATE: 8/18/17

PIPE_REPLACEMENT_FORM

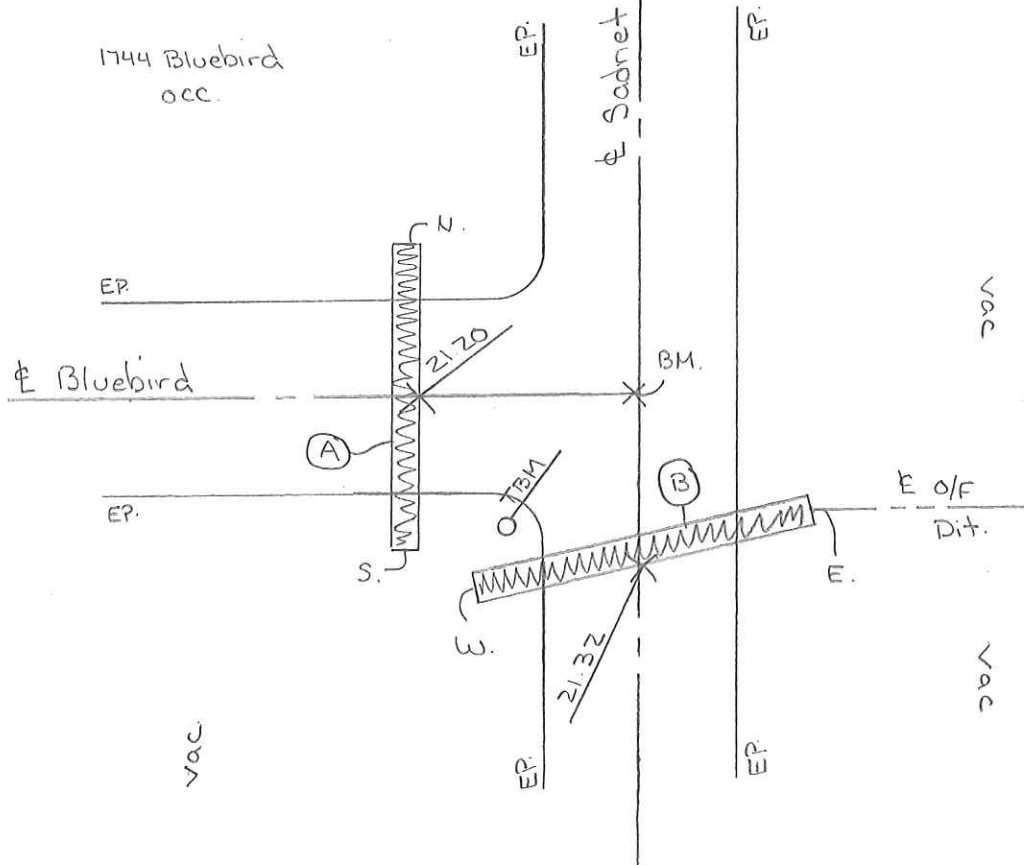
LOCATION: Blackbird @ Topsy

LOCATION: Bluebird @ Sadnet

A 710 B 886



DIRECTION



B.M.: Φ intersection of the road on the crown.

EL. = 21.39

T.B.M.: PK nailing utility pole at the southwest corner of the intersection

EL. = 21.33

PIPE: (A) 40'-19" X 30" RCP. (B) 48'-24" X 38" RCP. FINAL:

N. Inv. = 18.60

W. Inv. = 18.20

S. Inv. = 18.50

E. Inv. = 17.90



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

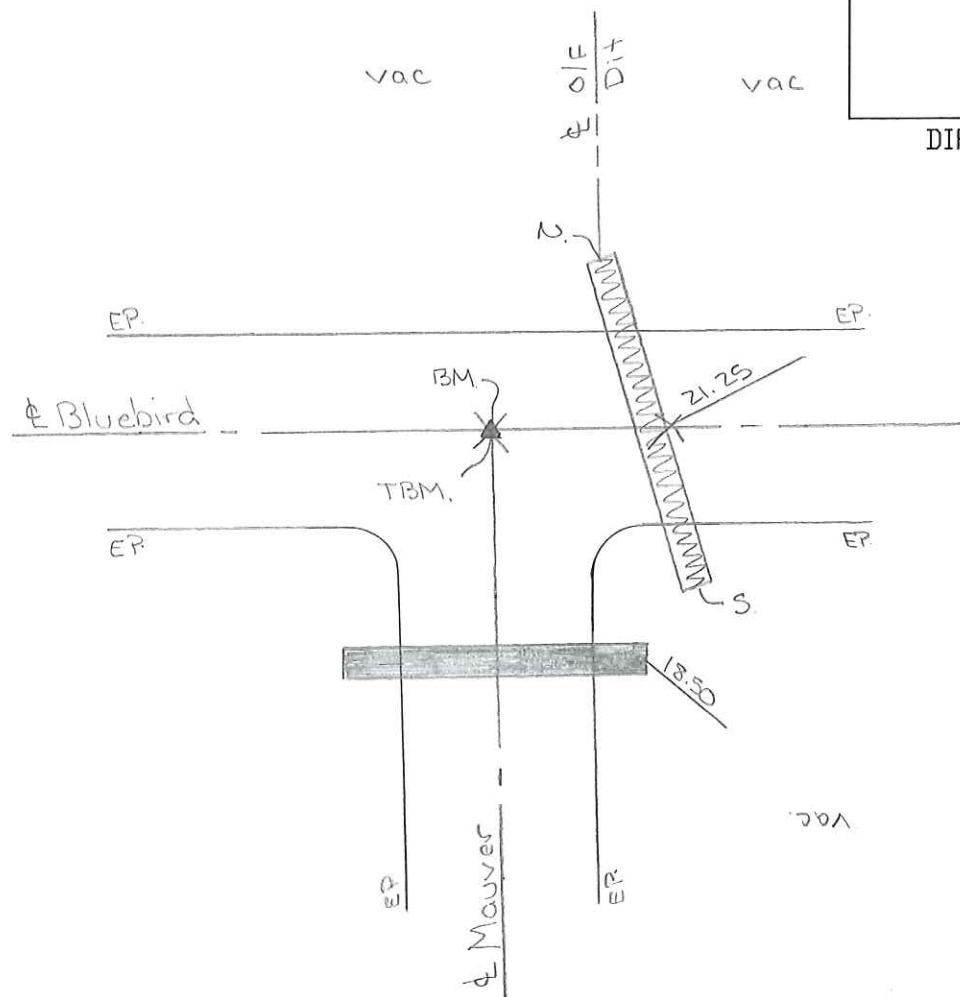
DRAWN BY: J Polak

DATE: 8/25/17

PIPE_REPLACEMENT_FORM

LOCATION: Bluebird @ Sadnet

LOCATION: Bluebird @ Mauver 715



B.M.: \therefore intersection of the road on the crown
EL. = 21.24

T.B.M.: PK nail + Disk in the ϵ intersection of the Row.
EL. = 21.22

PIPE: 48'-24" X 38" RCP
S. Inv. = 1810
N. Inv. = 1780

FINAL:



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

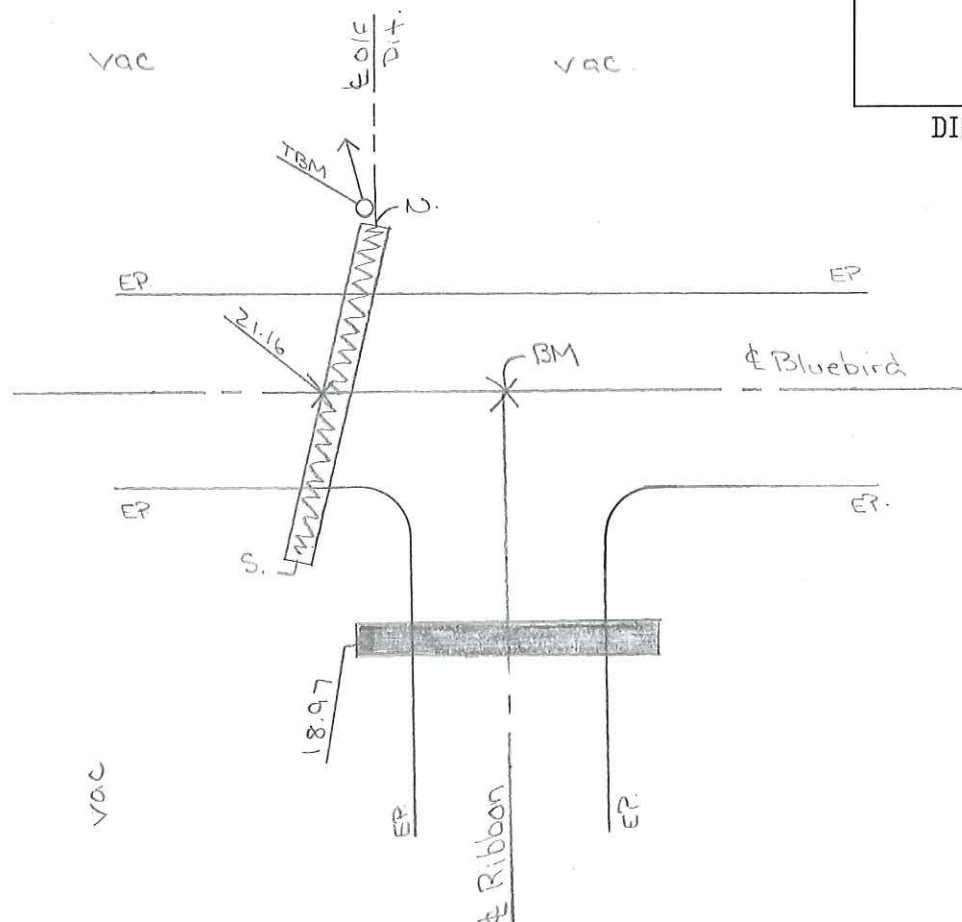
DRAWN BY: J Polak

DATE: 8/17/17

PIPE_REPLACEMENT_FORM

LOCATION: Bluebird @ Mauver

LOCATION: Bluebird @ Ribbon 718



B.M.: Intersection of the road on the crown.

EL. = 21.15

T.B.M.: PK nail in a utility pole 25' north + 15' west of the
intersection

EL. = 20.30

PIPE: 40' - 19" x 30" RCP

FINAL:

S. Inv. = 18.50

N. Inv. = 18.40



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

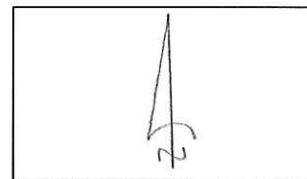
DRAWN BY: J. Polak

DATE: 8/16/17

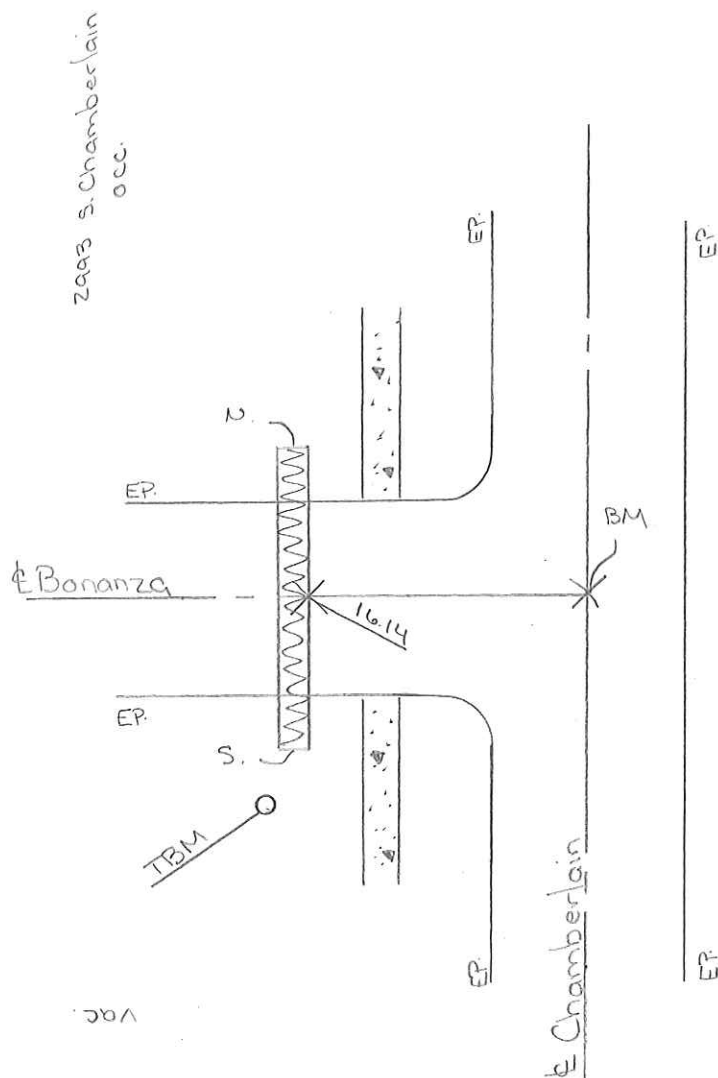
PIPE_REPLACEMENT_FORM

LOCATION: Bluebird @ Ribbon

LOCATION: Bonanza @ Chamberlain 721



DIRECTION



B.M.: Intersection of the road on the crown.

EL = 16.30

T.B.M.: Pknail in a utility pole at the southwest corner of the intersection

EL = 15.16

PIPE: 40'-19" x 30" RCP.

FINAL:

N. Inv. = 13.80

S. Inv. = 13.40



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

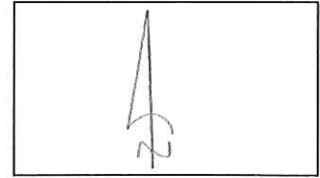
DRAWN BY: J. Polak

DATE: 8/8/17

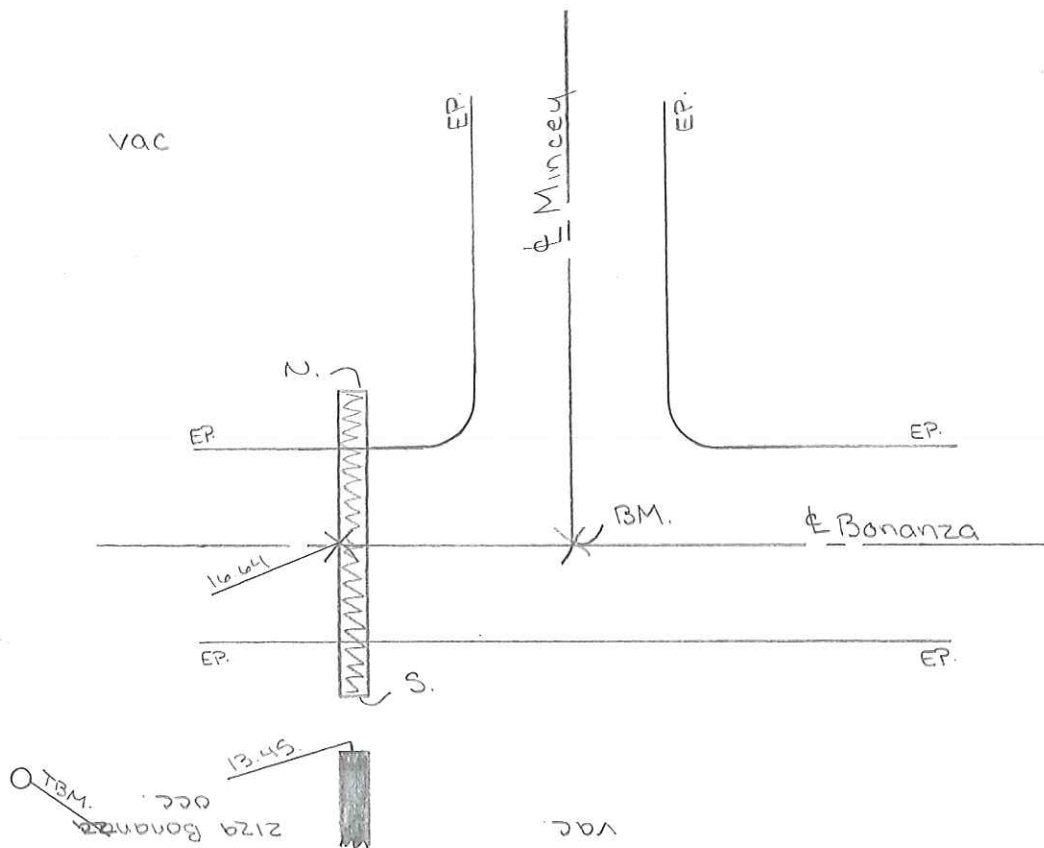
PIPE_REPLACEMENT_FORM

LOCATION: Bonanza @ Chamberlain

LOCATION: Bonanza @ Mincey 722



DIRECTION



B.M.: Intersection of the road on the crown.

EL = 16.66

T.B.M.: PK nail in a utility pole, 25' south + 100' west of the intersection.

EL = 16.57

PIPE: 40' - 24" x 38" RCP

FINAL:

N. Inv. = 13.60

S. Inv. = 13.50



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

DRAWN BY: J Polak

DATE: 8/9/17

PIPE_REPLACEMENT_FORM

LOCATION: Bonanza @ Mincey

LOCATION: Cascabel @ Allegheny A B
731 / 732

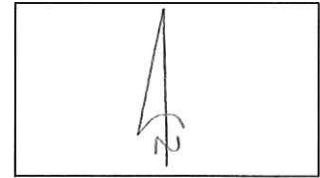
[1] Type "D"

Top of box EL: 15.85

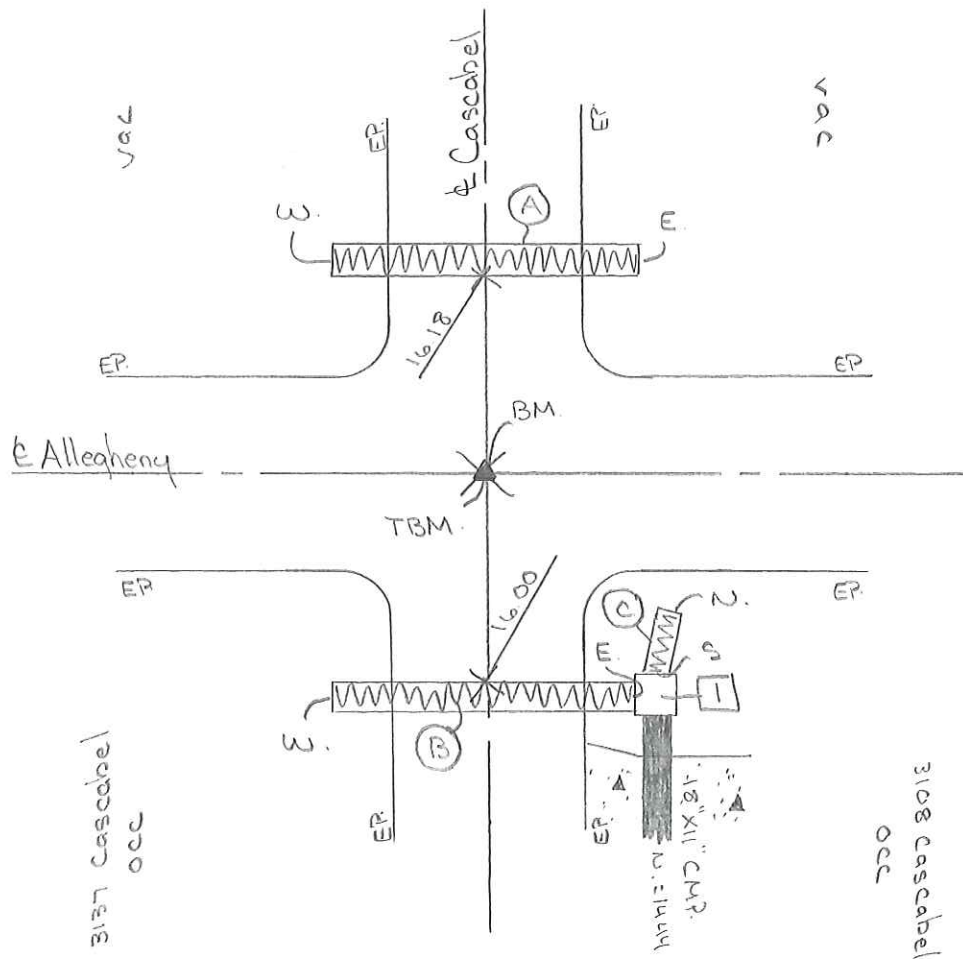
② 8'-12" X 18" RCP.

S. INV. = 13.64

N. INV. = 13.60



DIRECTION



B.M.: e intersection of the road on the crown.

EL. = 16.09

T.B.M.: PK nail + Disk in the e intersection of the Row

EL. = 16.06

PIPE: (A) 40'-14" X 30" RCP. (B) 40'-12" X 18" RCP. FINAL:

W. Inv. = 13.70

W. Inv. = 13.75

E. Inv. = 13.55

E. Inv. = 13.65



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

DRAWN BY: J. Polak

DATE: 8/2/17

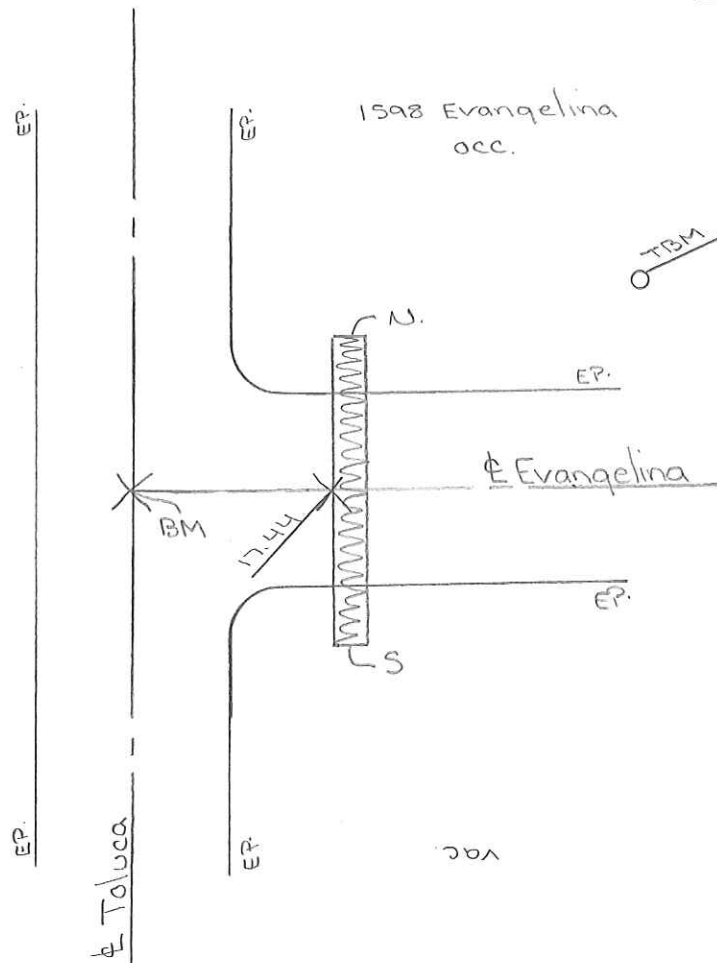
PIPE_REPLACEMENT_FORM

LOCATION: Cascabel @ Allegheny

LOCATION: Evangelina @ Toluca 737



DIRECTION



B.M.: ϕ intersection of the road on the crown

EL = 17.55

T.B.M.: PK nail in a utility pole 25' north + 120' east of the intersection

EL = 18.07

PIPE: 40' - 19" X 30" RCP

FINAL:

N. Inv. = 15.05

S. Inv. = 14.90



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

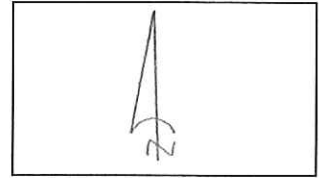
DRAWN BY: J. Polak

DATE: 8/15/17

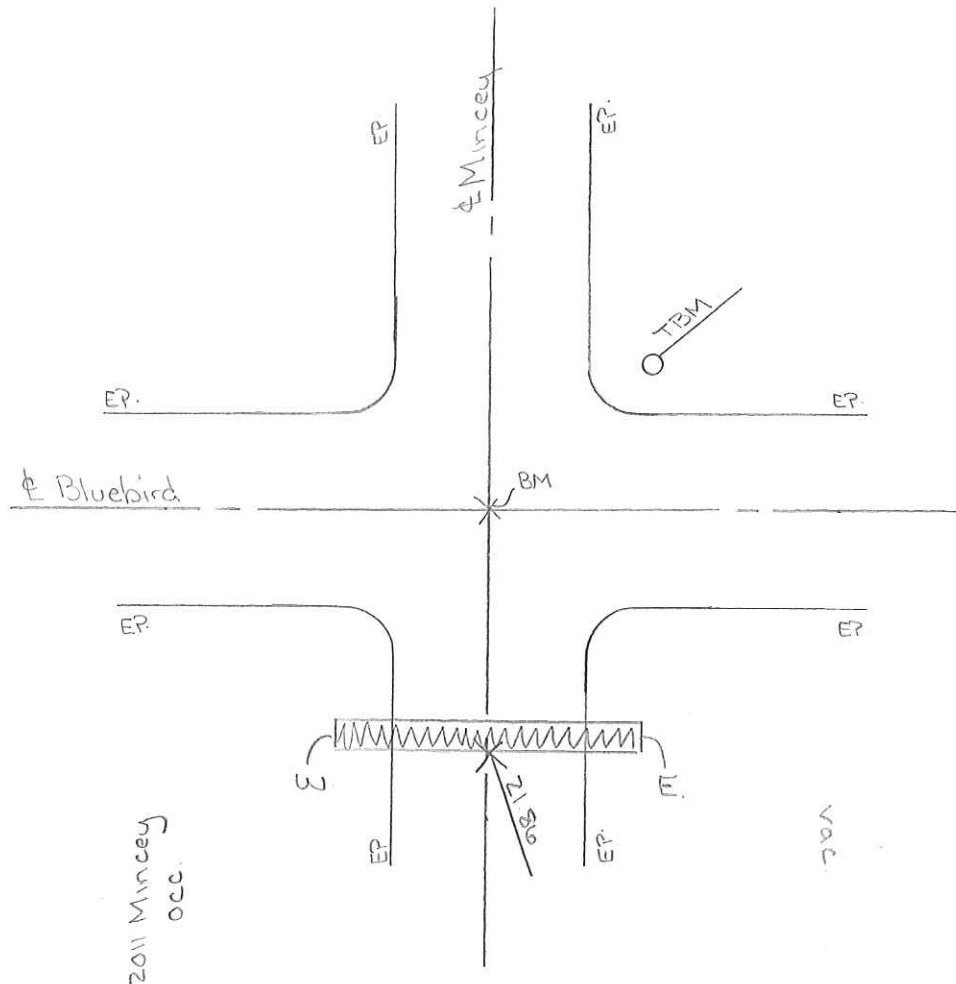
PIPE_REPLACEMENT_FORM

LOCATION: Evangelina @ Toluca

LOCATION: Mincey @ Bluebird 763



DIRECTION



B.M.: Intersection of the road on the crown
EL. = 22.02

T.B.M.: PK nailing a utility pole at the northeast corner of the intersection
EL. = 22.76

PIPE: 40'-14" X 23" RCP.

FINAL:

E. Inv. = 20.00

W. Inv. = 19.75



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

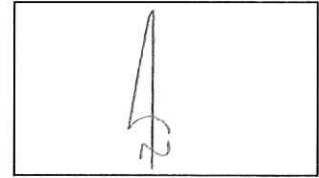
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DATE: 8/17/17

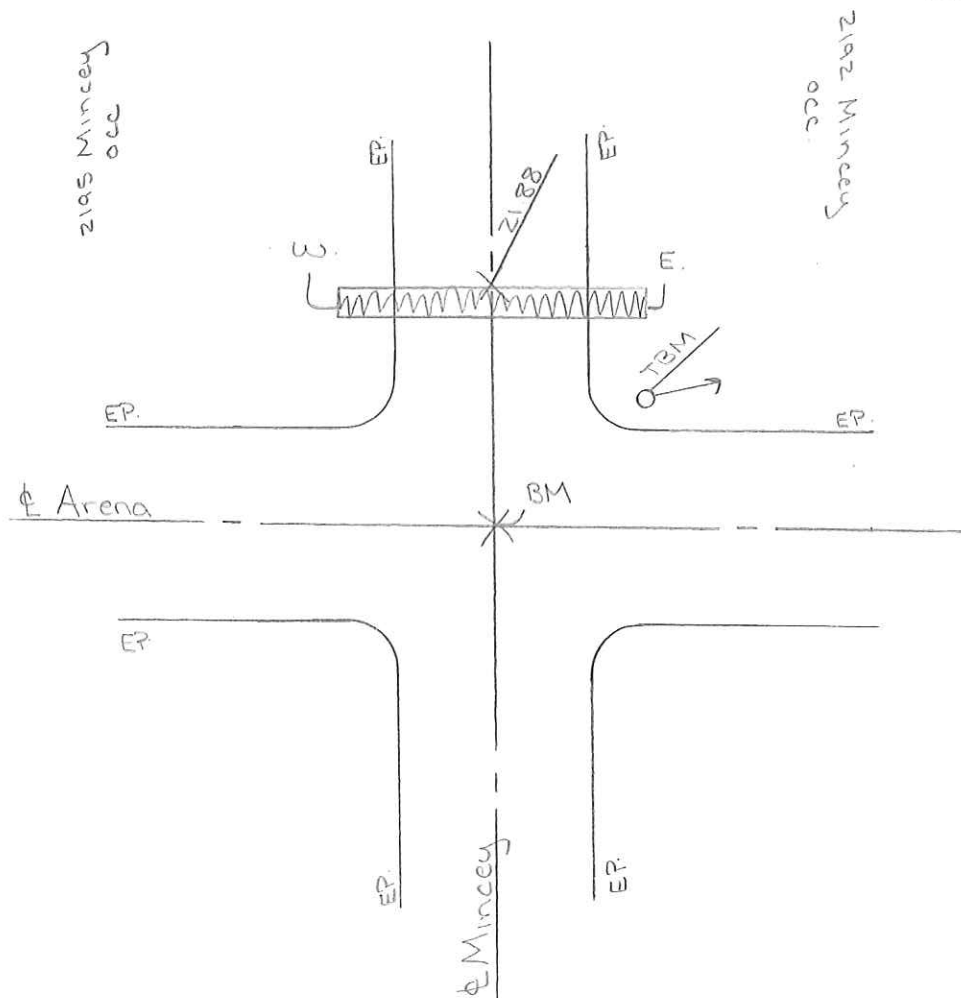
PIPE_REPLACEMENT_FORM

LOCATION: Mincey @ Bluebird

LOCATION: Mincey @ Arena 764



DIRECTION



B.M.: Intersection of the road on the crown
EL = 22.12

T.B.M.: PKnail in a utility pole at the northeast corner of the intersection.
EL = 21.54

PIPE: 40'-12"X18" RCP. FINAL:
W. INV. = 19.80
E. INV. = 19.65



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

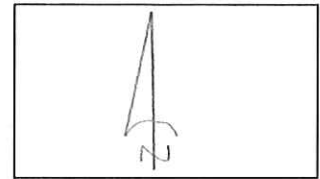
DRAWN BY: J. Polak

DATE: 8/16/17

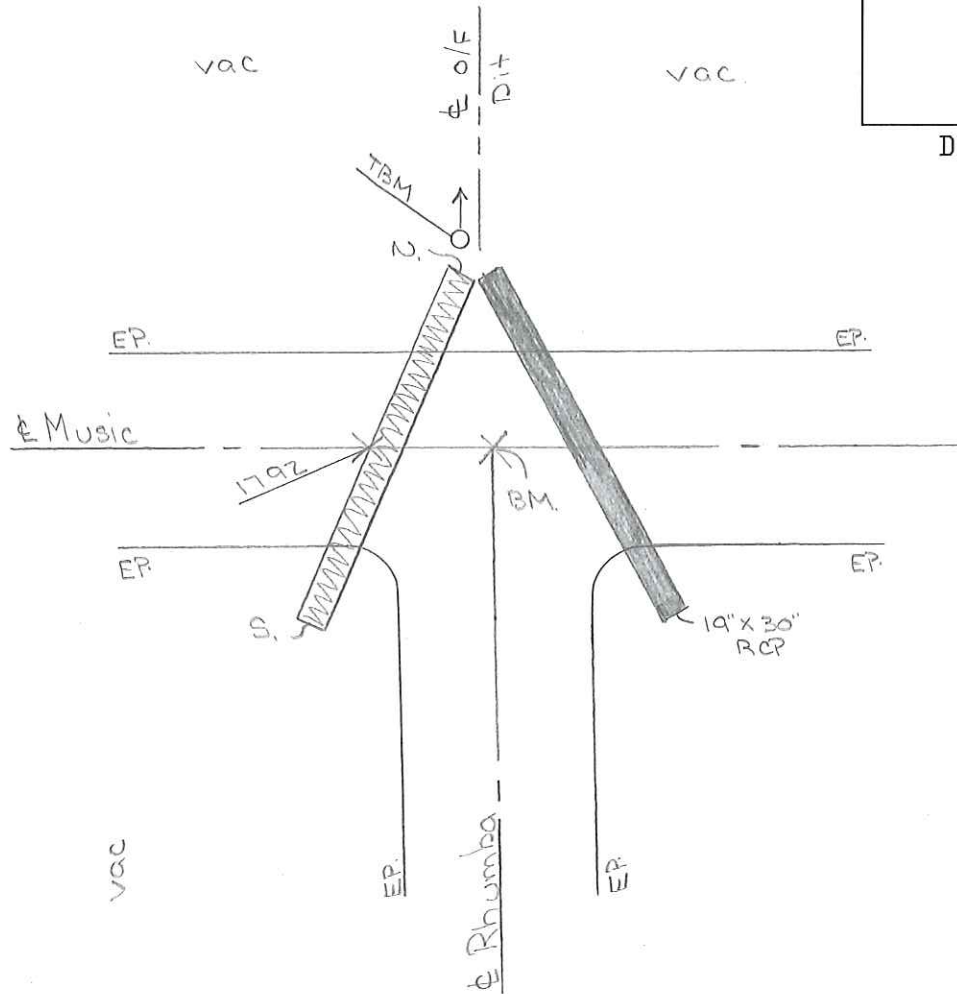
PIPE_REPLACEMENT_FORM

LOCATION: Mincey @ Arena

LOCATION: Music @ Rhumba 789



DIRECTION



B.M.: Intersection of the road on the crown.
EL. = 17.92

T.B.M.: PK nail in utility pole 25' north of the intersection
EL. = 16.60

PIPE: 48' - 19" X 30" RCP. FINAL:
S. Inv. = 15.10
N. Inv. = 14.95



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

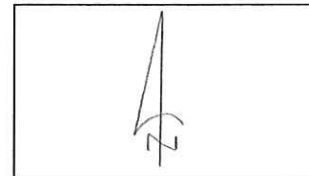
DRAWN BY: J. Polak

DATE: 8/9/17

PIPE_REPLACEMENT_FORM

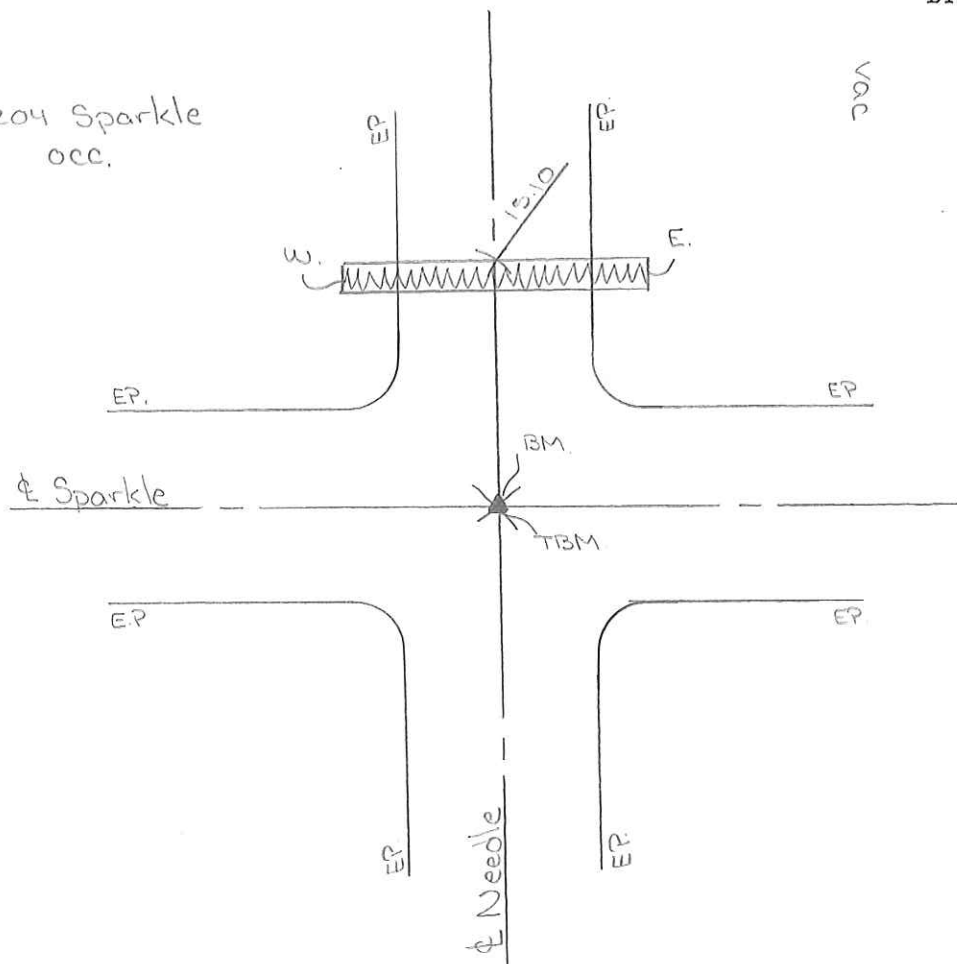
LOCATION: Music @ Rhumba

LOCATION: Needle @ Sparkle 803



DIRECTION

2204 Sparkle
occ.



B.M.: Intersection of the road on the crown.

EL. = 15.16

T.B.M.: PK nail + Disk in the intersection of the ROW

EL. = 15.16

PIPE: 40' - 19" X 30" RCP

FINAL:

W. Inv. = 12.85

E. Inv. = 12.75



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

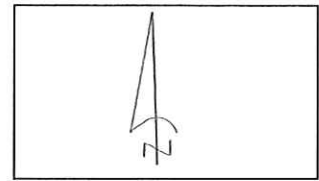
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DATE: 8/4/17

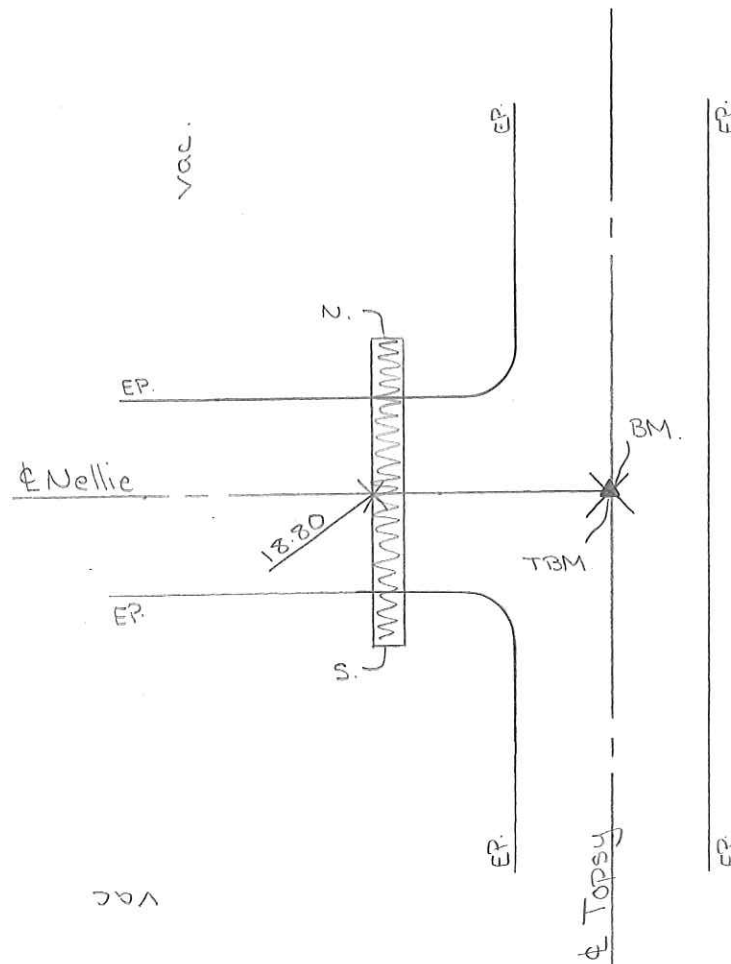
PIPE_REPLACEMENT_FORM

LOCATION: Needle @ Sparkle

LOCATION: Nellie @ Topsy 805



DIRECTION



B.M.: ℄ intersection of the road on the crown
EL. = 18.85

T.B.M.: PK nail + Disk in the ℄ intersection of the ROW
EL. = 18.85

PIPE: 40' - 19" X 30" RCP.
N. Inv. = 16.20
S. Inv. = 16.10

FINAL:



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

DRAWN BY: J. Polak

DATE: 8/18/17

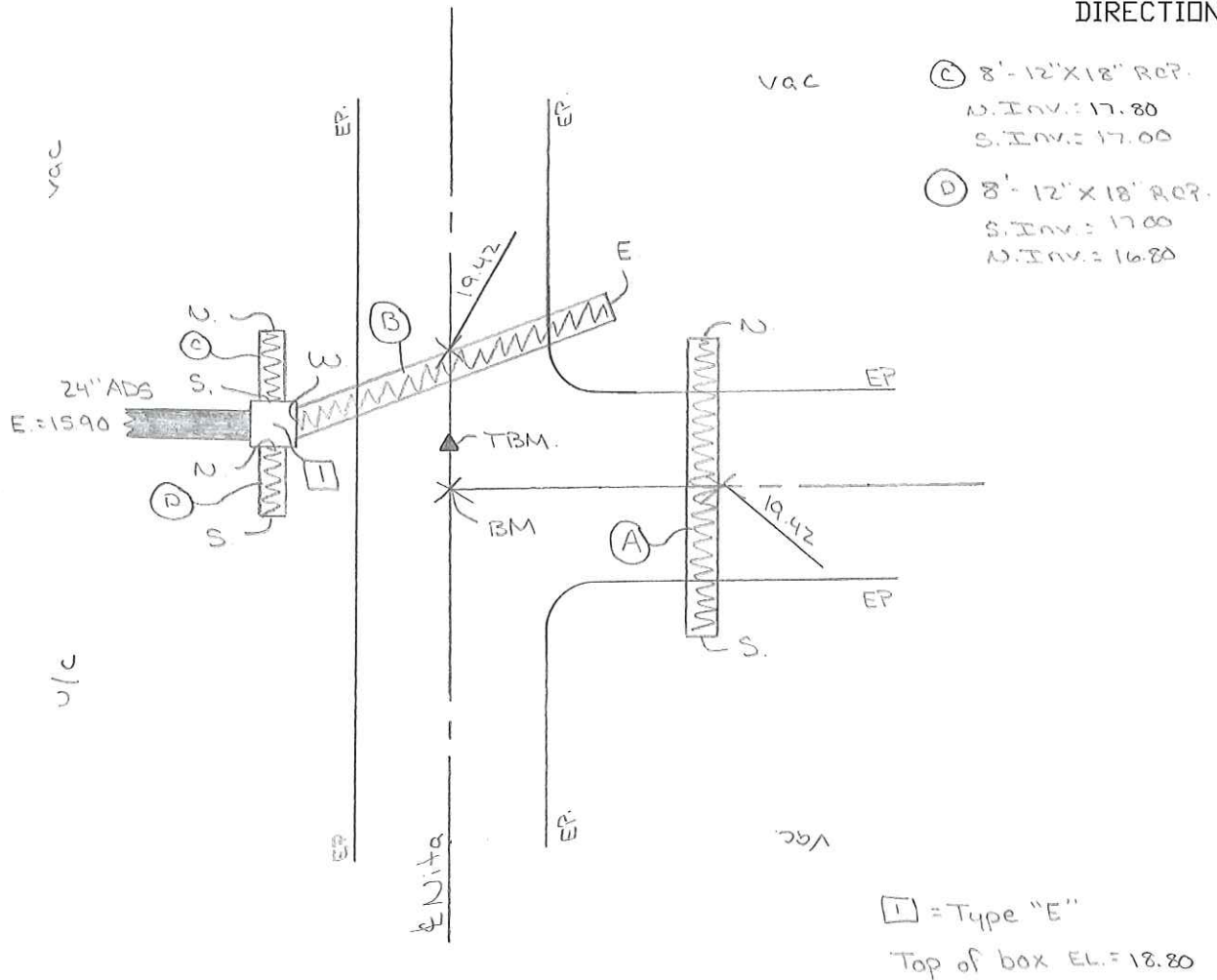
PIPE_REPLACEMENT_FORM

LOCATION: Nellie @ Topsy

A	B
807	809



DIRECTION



B.M.: @ intersection of the road on the crown

EL. = 19.42

T.B.M.: PK nail + Disk in the E Row 5' north of the intersection

EL. = 1942

PIPE: (A) 40'-12"X18" RCP. (B) 48'-19"X30" RCP.

FINAL:

S. Inv. = 17.50

E. INV. = 16.50

N. Inv. = 17.30

W. Inv. = 16.30



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

DRAWN BY: J. Polak

DATE: 8/17/17

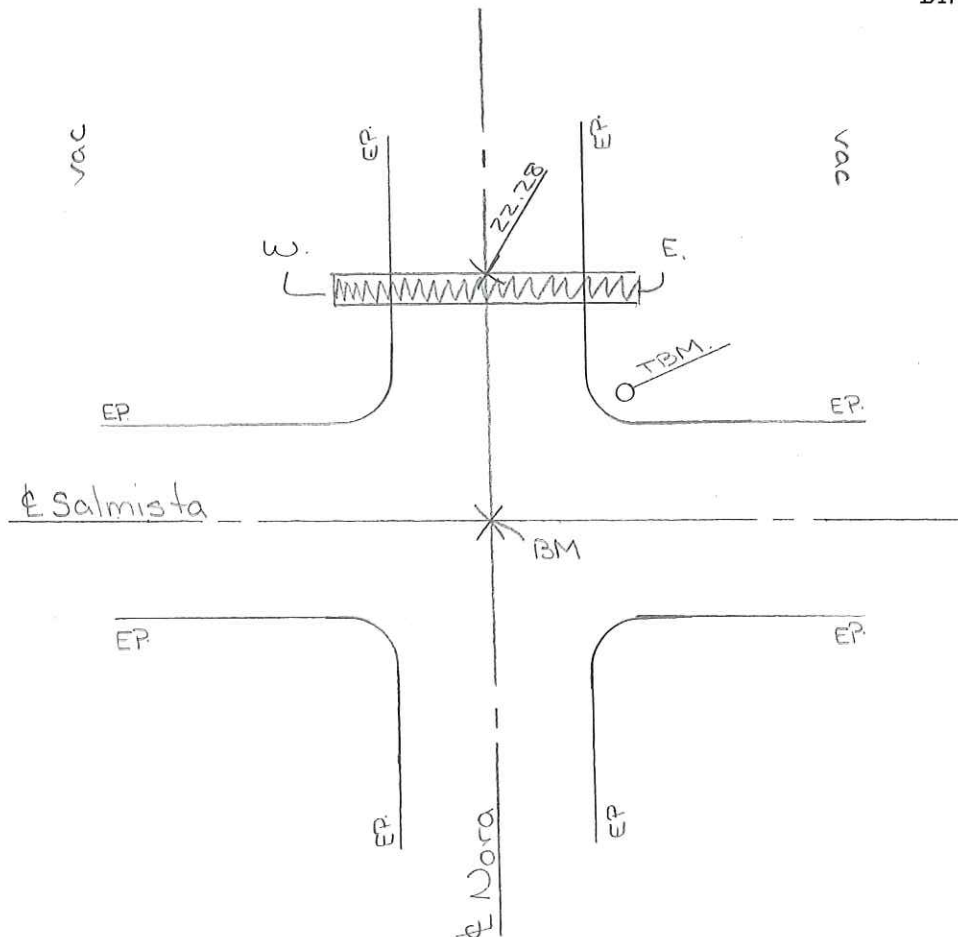
PIPE_REPLACEMENT_FORM

LOCATION: Nellie @ Nita

LOCATION: Nora @ Salmista 811



DIRECTION



B.M.: Intersection of the road on the crown.
EL = 22.45

T.B.M.: PK nail in a utility pole at the northeast corner of
the intersection

EL = 22.69

PIPE: 40'-12" X 18" RCP

FINAL:

W Inv = 20.15

E Inv = 20.00



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

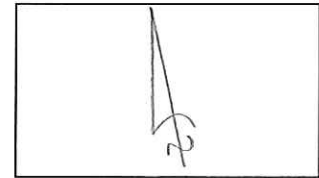
DRAWN BY: J. Polak

DATE: 2/24/17

PIPE_REPLACEMENT_FORM

LOCATION: Nora @ Salmista

LOCATION: Nora @ Samovar 812

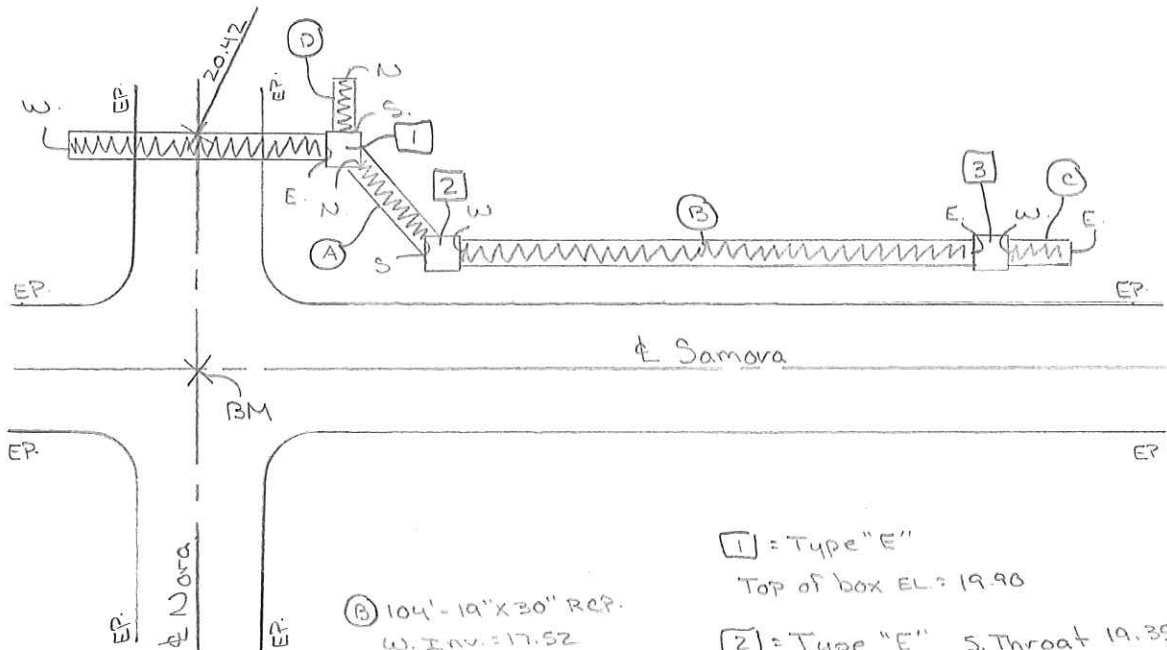


DIRECTION

1409 Nora
occ

Q.T.B.M.

1408 Nora
occ



- (B) 104' - 19"X30" RCP.
W. Inv. = 17.52
E Inv. = 17.23
- (C) 8' - 19"X30" RCP.
W. Inv. = 17.23
E Inv. = 17.20
- (D) 8' - 12"X18" RCP
W. Inv. = 19.00
S. Inv. = 18.10

[1] = Type "E"

Top of box EL = 19.90

[2] = Type "E" S. Throat 19.35

Top of box EL = 19.85

[3] = Type "E" S. Throat 19.10

Top of box EL = 19.60

B.M.: E intersection of the road on the crown.

EL. = 20.39

T.B.M.: PK nail in a utility pole, 110' north + 25' east of the intersection

EL. = 20.74

PIPE: 40' - 19"X30" RCP. (A) 32' - 19"X30" RCP.

FINAL:

W. Inv. = 17.70

N. Inv. = 17.62

E Inv. = 17.63

S. Inv. = 17.52



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

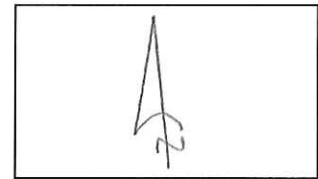
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DATE: 8/23/17

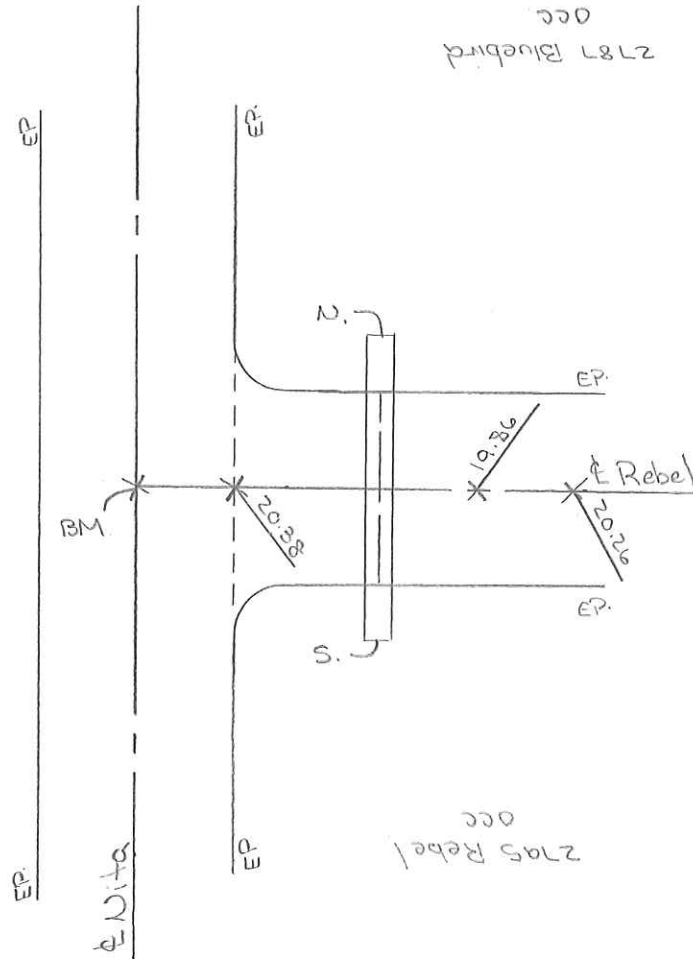
PIPE_REPLACEMENT_FORM

LOCATION: Nora @ Samovar

LOCATION: Rebel @ Nita 843



DIRECTION



B.M.: \pm intersection of the road on the crown

EL. = 20.56

T.B.M.: PK nail in a utility pole 25' south + 120' east of the intersection

EL. = 21.03

PIPE: 40'-12" X 18" RCP

FINAL:

N. Inv. = 18.80

S. Inv. = 18.65



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

DRAWN BY: J Polak

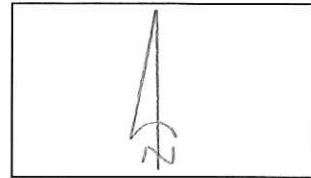
DATE: 8/16/17

PIPE_REPLACEMENT_FORM

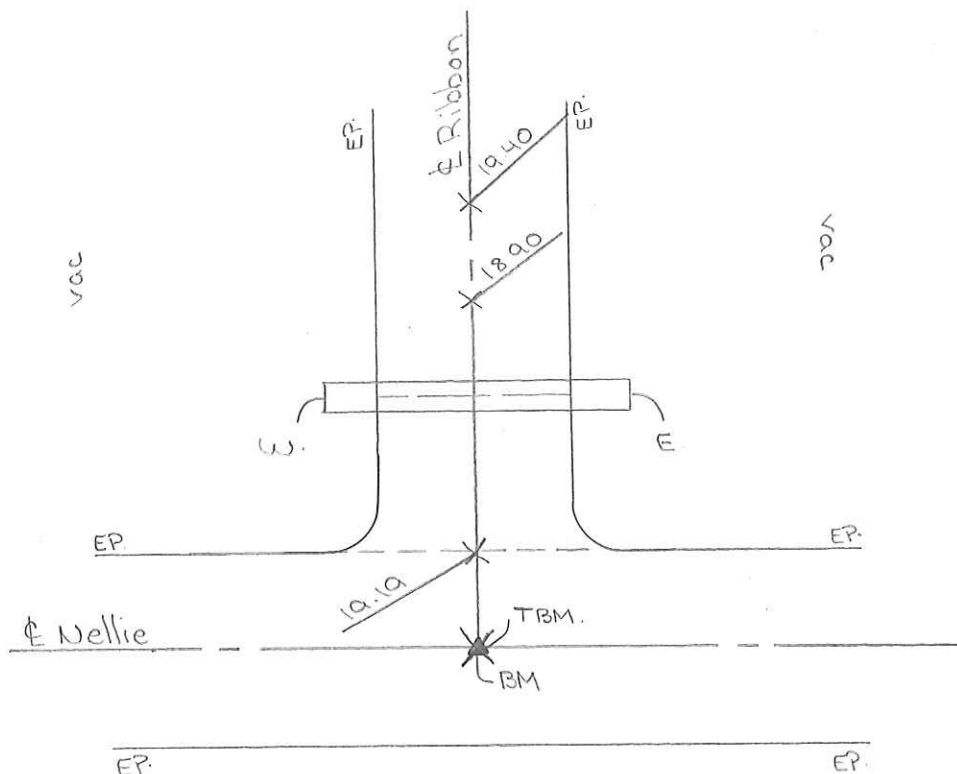
LOCATION: Rebel @ Nita

LOCATION: Ribbon @ Nellie

853



DIRECTION



B.M.: Intersection of the road on the crown.

EL. = 19.31

T.B.M.: PK nail + Disk in the intersection of the R.O.W.

EL. = 19.28

PIPE: 40' - 14" X 23" R.C.P.

FINAL:

W. INV. = 17.50

E. INV. = 17.40



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

DRAWN BY: J. Polak

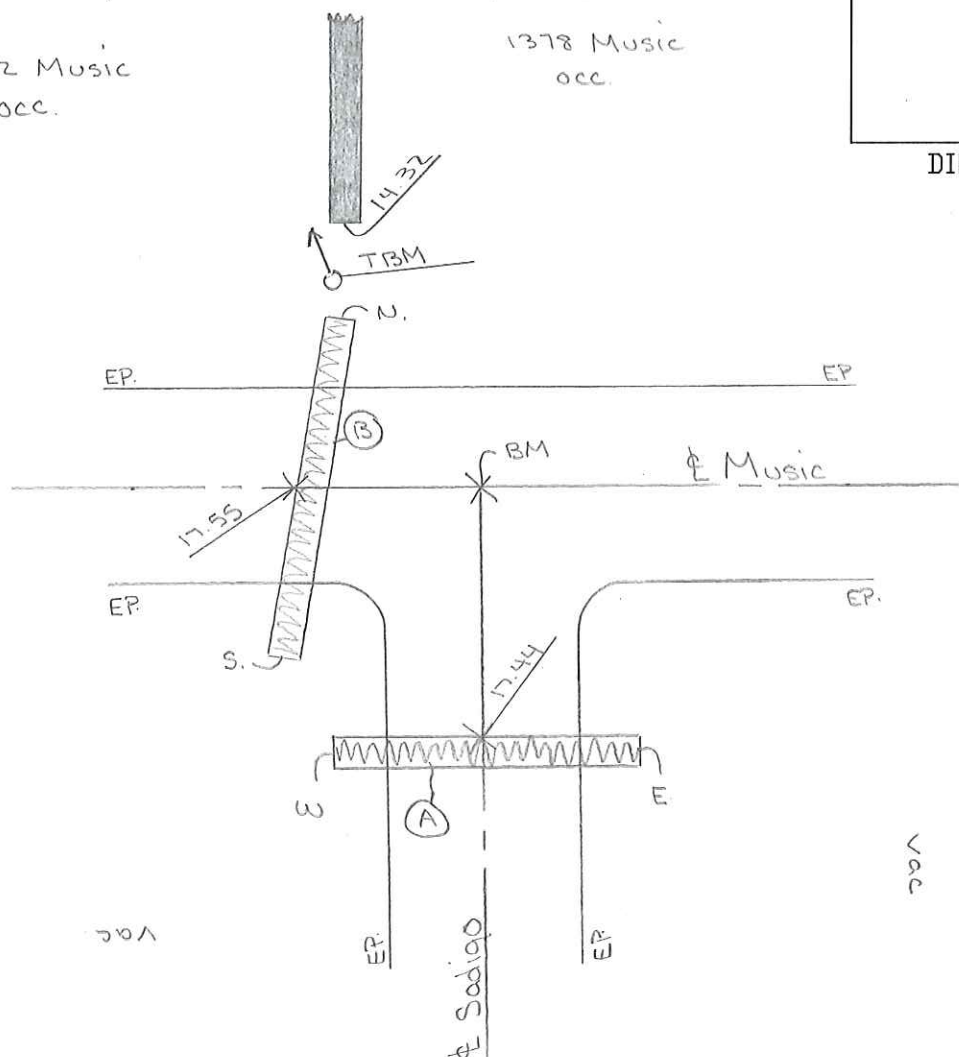
DATE: 8/18/17

PIPE_REPLACEMENT_FORM

LOCATION: Ribbon @ Nellie

A	B
876	784

1378 Music
occ.



EL. = 17.55

$$EL = 16.39$$

FINAL:

S. Inv. = 14.70

N. Inv. = 14.40



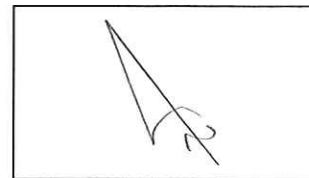
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DATE: 8/11/17

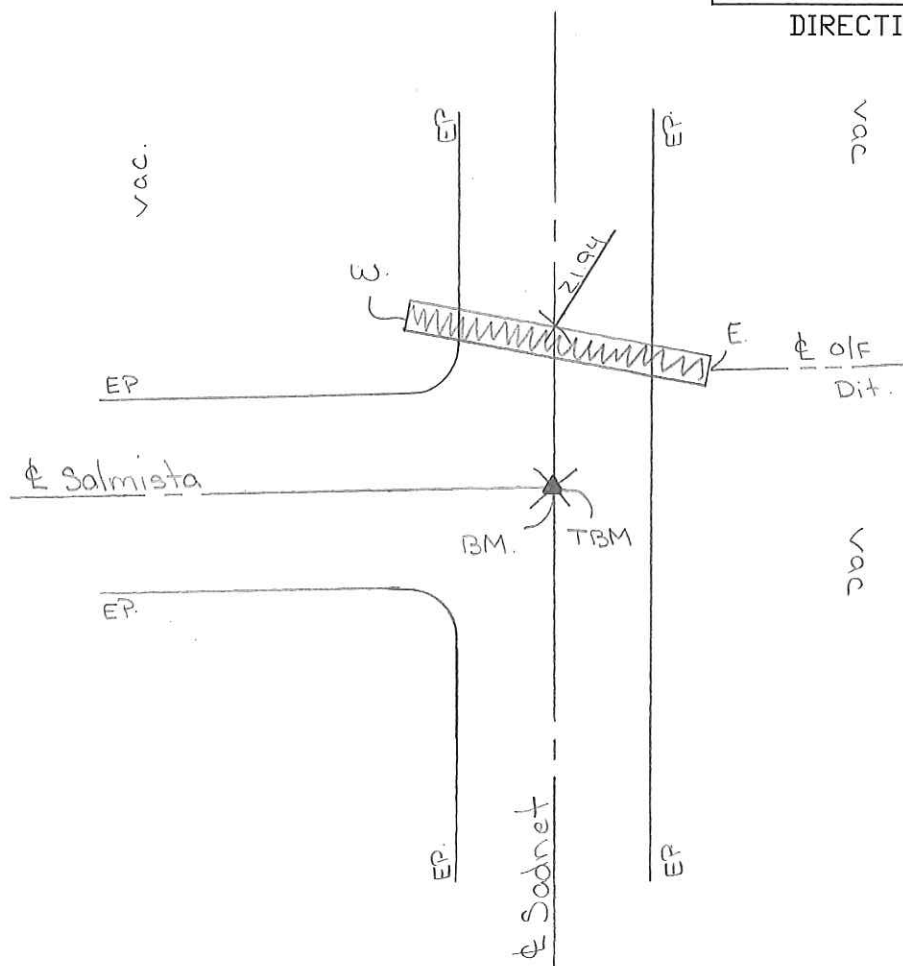
PIPE_REPLACEMENT_FORM

LOCATION: Sadigo @ Music

LOCATION: Sodnet @ Salmista 885



DIRECTION



B.M.: Intersection of the road on the crown.
EL. = 21.99

T.B.M.: PK nail in a cut out @ the intersection of the ROW
EL. = 21.90

PIPE: 48' - 19" X 30" RCP

FINAL:

W. Inv. = 19.40

E. Inv. = 19.30



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

DRAWN BY: J. Polak

DATE: 8/24/15

PIPE_REPLACEMENT_FORM

LOCATION: Sodnet @ Salmista

887



EL. = 20.26

EL. = 21.09

FINAL:

E. Inv. = 16.75



DATE: 8/23/17

PIPE_REPLACEMENT_FORM

LOCATION: Sadnet @ Samovar

LOCATION: Sadnet @ Montana

888 / 889

Ⓒ 8'-12"X18" RCP

N. Inv. = 17.50

S. Inv. = 16.90

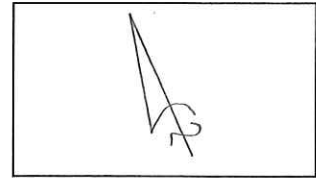
Ⓓ 5'-18"X11" CMP

S. Inv. = Mat. Ex

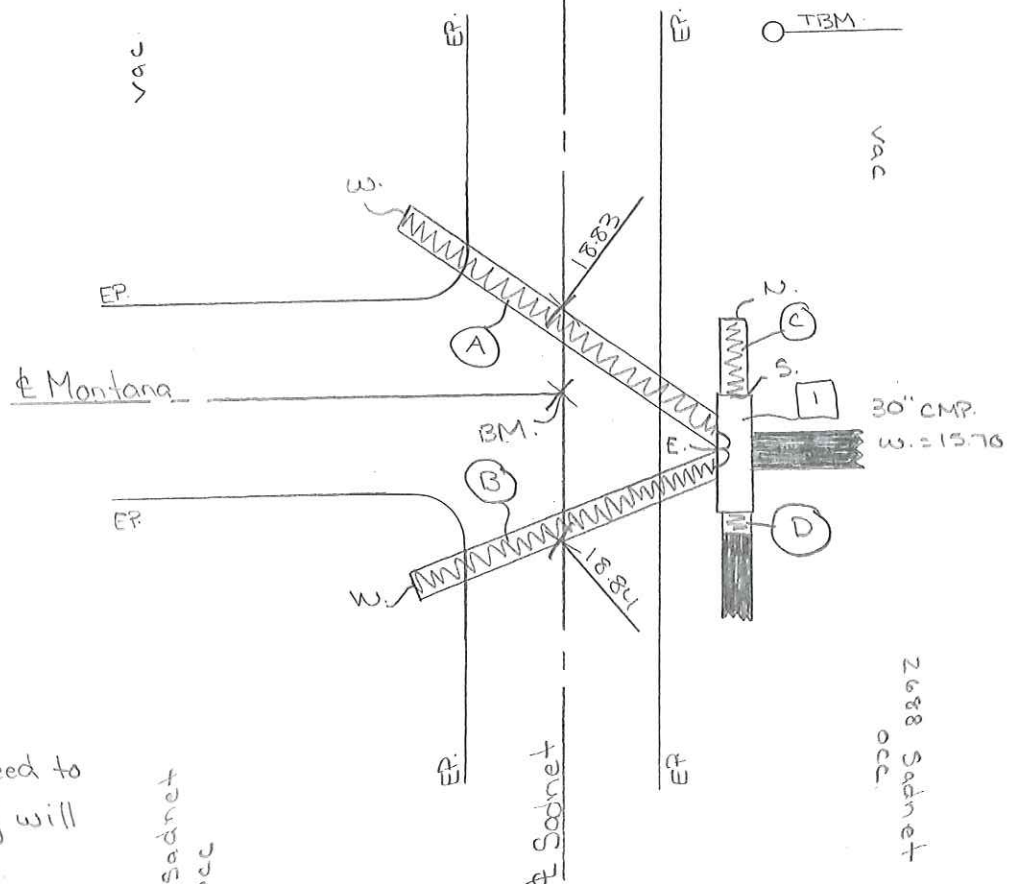
N. Inv. = 16.90

1 = Type "H"

Top of box EL = 1865



DIRECTION



* Both pipe will need to be relocated. City will stake new location.

B.M.: Intersection of the road on the crown.

EL = 18.84

T.B.M.: PK nail in a utility pole 80' north + 25' east of the intersection.

EL = 19.26

PIPE: Ⓐ 64'-24"X38" RCP. Ⓑ 48'-19"X30" RCP

FINAL:

W. Inv. = 15.95

W. Inv. = 16.05

E. Inv. = 15.75

E. Inv. = 15.90



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

DRAWN BY: J. Polak

DATE: 8/23/17

PIPE_REPLACEMENT_FORM

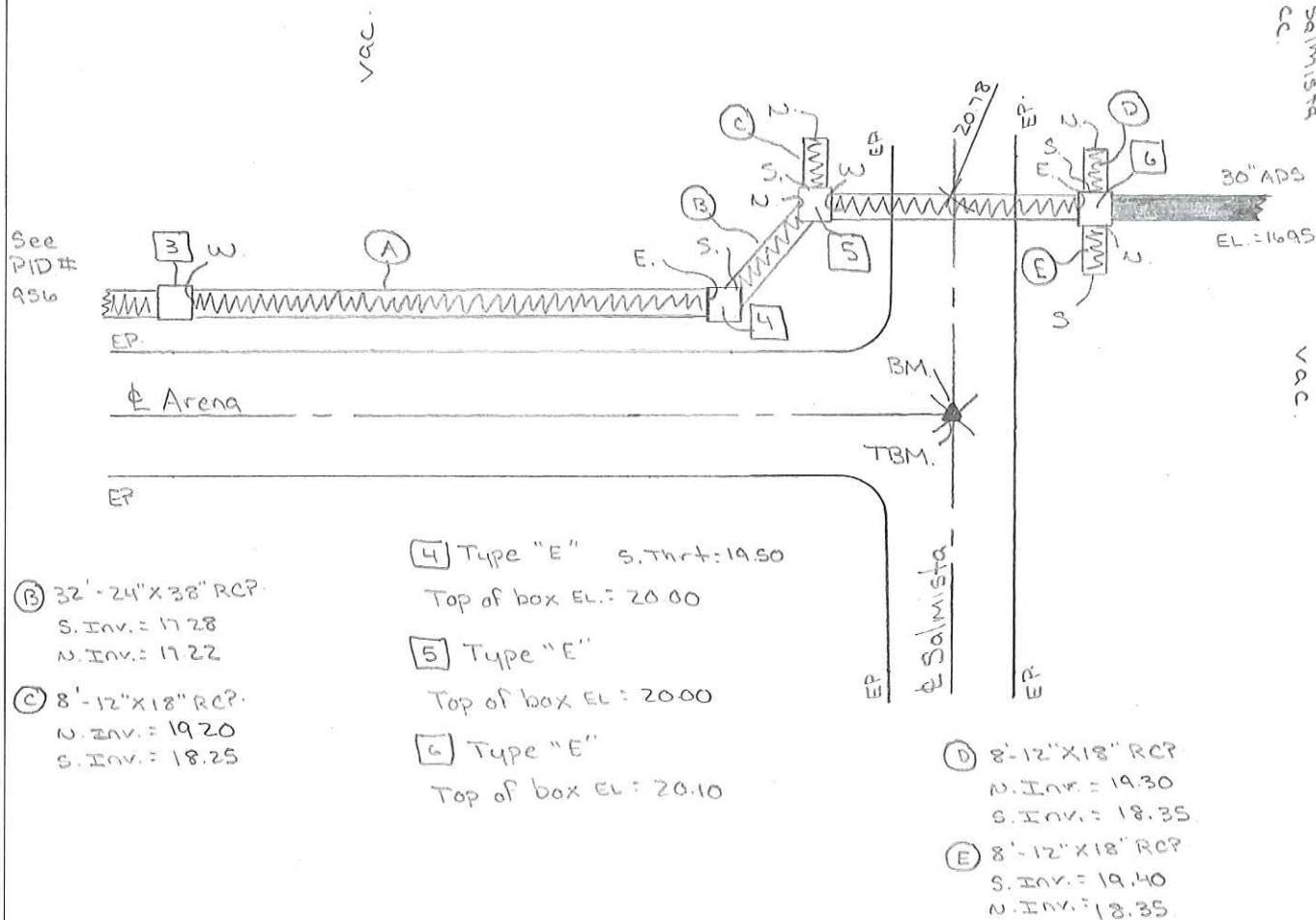
LOCATION: Sadnet @ Montana.

LOCATION: Salmista @ Arena

893



DIRECTION



(B) 32'-24"X38" RCP.
S. Inv. = 17.28
N. Inv. = 17.22

(C) 8'-12"X18" RCP.
N. Inv. = 19.20
S. Inv. = 18.25

(4) Type "E" S. Thrt: 19.50
Top of box EL: 20.00

(5) Type "E"
Top of box EL: 20.00

(6) Type "E"
Top of box EL: 20.10

(D) 8'-12"X18" RCP
N. Inv. = 19.30
S. Inv. = 18.35

(E) 8'-12"X18" RCP
S. Inv. = 19.40
N. Inv. = 18.35

B.M.: Intersection of the road on the crown.
EL. = 20.63

T.B.M.: PK nail in the intersection of the ROW
EL. = 20.64

PIPE: 40'-24"X38" RCP. (A) 104'-24"X38" RCP.
W. Inv. = 17.22 W. Inv. = 17.43
E. Inv. = 16.97 E. Inv. = 17.28

FINAL:




CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

DRAWN BY: J. Polak

DATE: 8/29/17

PIPE_REPLACEMENT_FORM

LOCATION: Salmista @ Arena



2655 *Salmista* occ

2656 Sal/minsta
occ

vac

Salim's

Salmon
occ

B.M.: @ road on the crown over the crossdrain
EL. = 18.92

T.B.M.: PK nail in a utility pole 5' east of crossdrain.
EL = 18.78

PIPE: 40' - 14" X 23" RCP
W. Inv. = 16 50
E. Inv. = 16 30

FINAL:



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

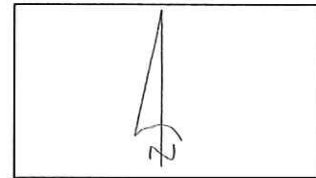
DRAWN BY: J. Polak

DATE: 8/25/17

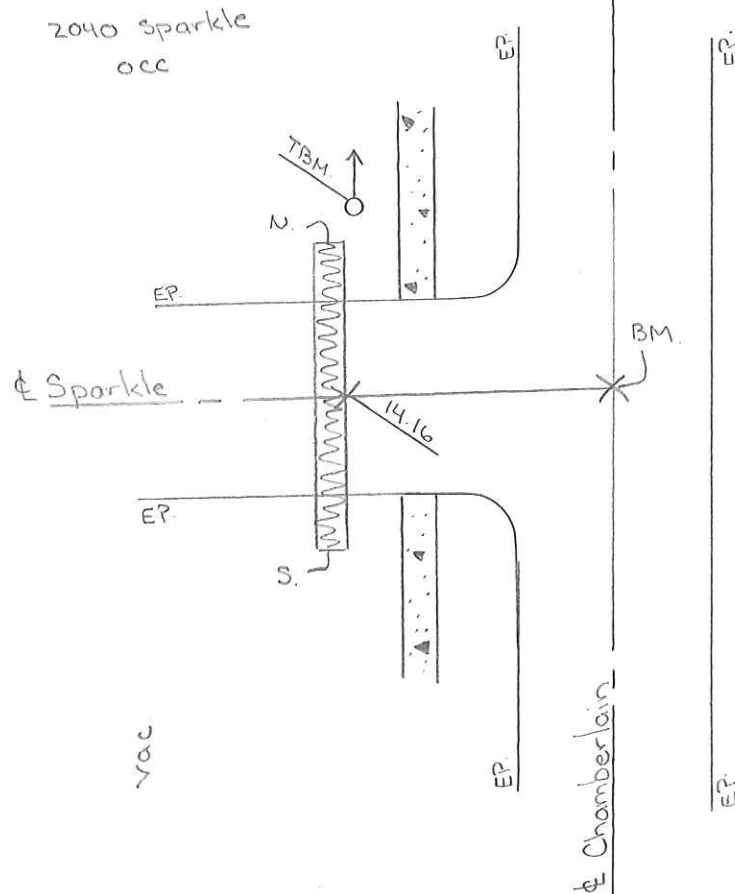
PIPE_REPLACEMENT_FORM

LOCATION: Salmista (Arena - Yucca)

LOCATION: Sparkle @ Chamberlain 913



DIRECTION



B.M.: Intersection of the road on the crown
EL. = 14.13

T.B.M.: PK nail in a utility pole at the northwest corner of the intersection
EL. = 13.80

PIPE: 40' - 24" X 38" RCP

FINAL:

N. Inv. = 11.30

S. Inv. = 11.10



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

DRAWN BY: J. Polak

DATE: 2/7/17

PIPE_REPLACEMENT_FORM

LOCATION: Sparkle @ Chamberlain

LOCATION: Toluca (Urmey - Allegheny) 926.

③ 24'-24" X 38" RCP.

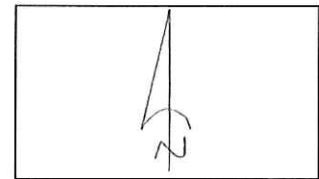
N. Inv. = 12.45

S. Inv. = 12.10

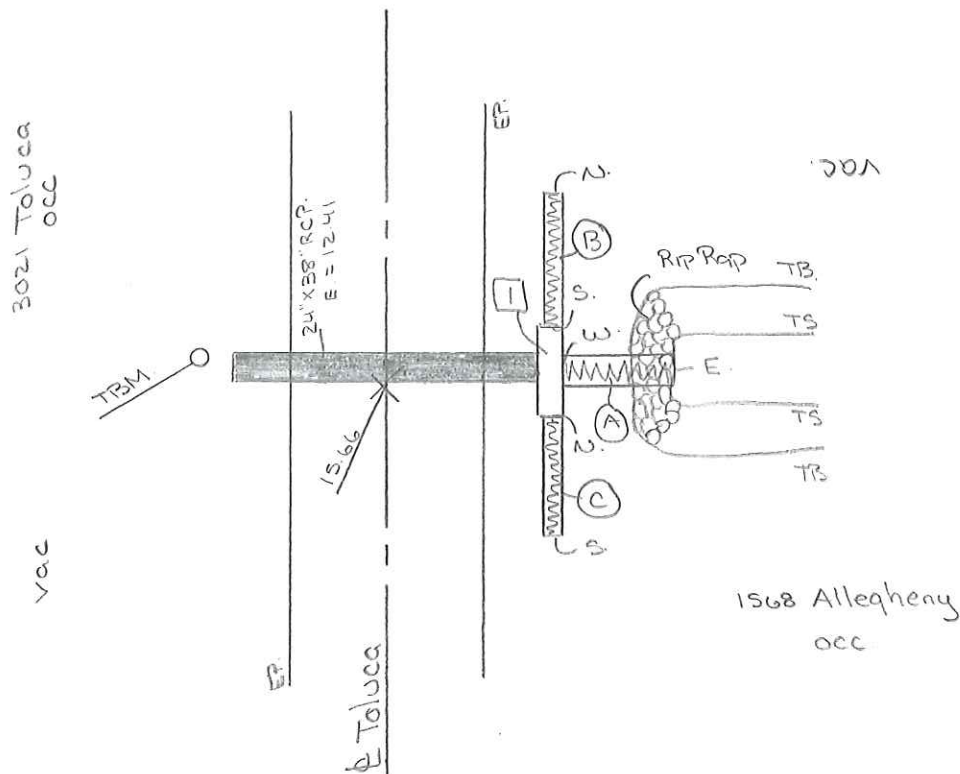
④ 32'-14" X 23" RCP.

S. Inv. = 12.90

N. Inv. = 12.50



DIRECTION



① = Type "H"

Top of box = 15.20

B.M.: ℄ road on the crown over the crossdrain

EL. = 13.66

T.B.M.: PK nailing a utility pole s'west of the crossdrain

EL. = 15.00

PIPE: ① 24'-29" X 45" RCP.

FINAL:

W. Inv. = 12.00

E. Inv. = 11.80



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

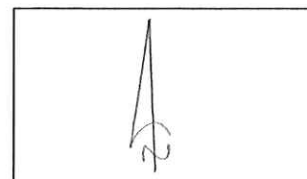
DRAWN BY: J. Polak

DATE: 8/15/17

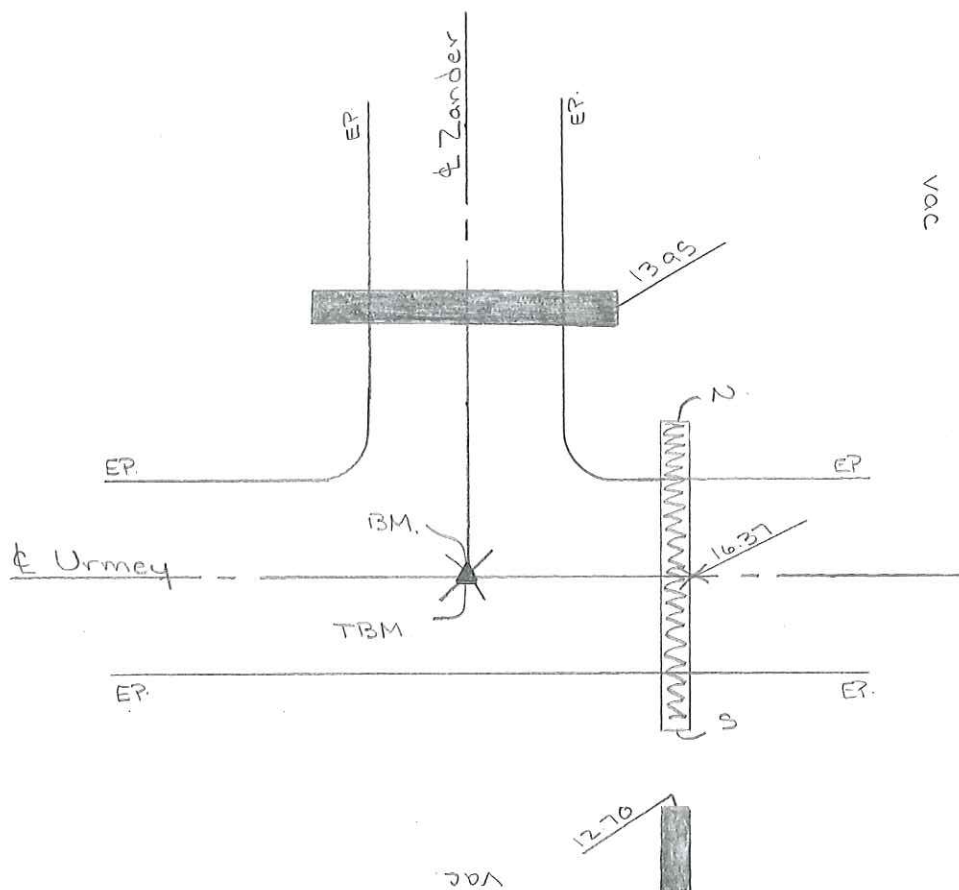
PIPE_REPLACEMENT_FORM

LOCATION: Toluca (Urmey - Allegheny)

LOCATION: Urmev @ Zander 930



DIRECTION



B.M.: Intersection of the road on the crown

EL. = 16.30

T.B.M.: PK nail + Disk in the intersection of the R.O.W.

EL. = 16.26

PIPE: 40'-19" X 30" RCP

FINAL:

N. Inv. = 13.50

S. Inv. = 13.35



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

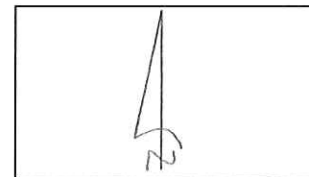
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DATE: 8/11/17

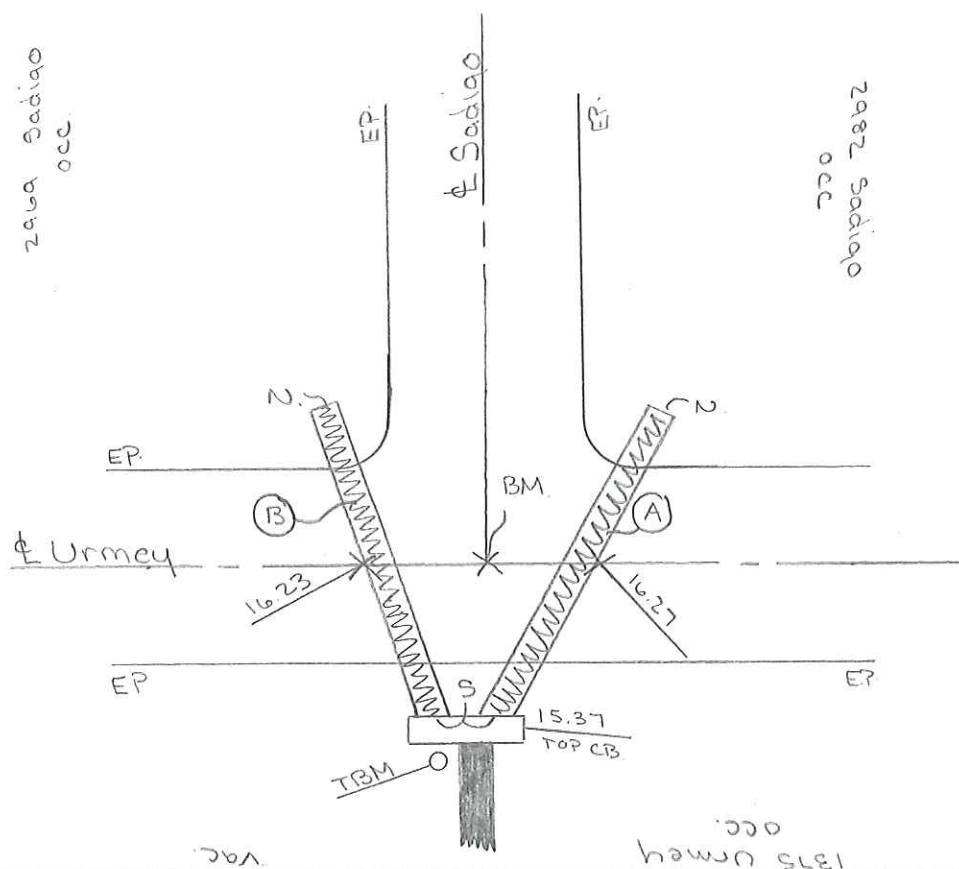
PIPE_REPLACEMENT_FORM

LOCATION: Urmev @ Zander

LOCATION: Urmey @ Sadiqo ^A 932 / ^B 933



DIRECTION



B.M.: Intersection of the road on the crown
EL. = 16.24

T.B.M.: PK nail in a utility pole 25' south of the intersection.
EL. = 16.04

PIPE: (A) 52'-14" x 23" RCP. (B) 52'-19" x 30" RCP. FINAL:
N. Inv. = 13.60 N. Inv. = 13.40
S. Inv. = 13.30 S. Inv. = 13.10



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

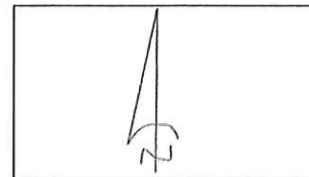
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DATE: 8/14/17

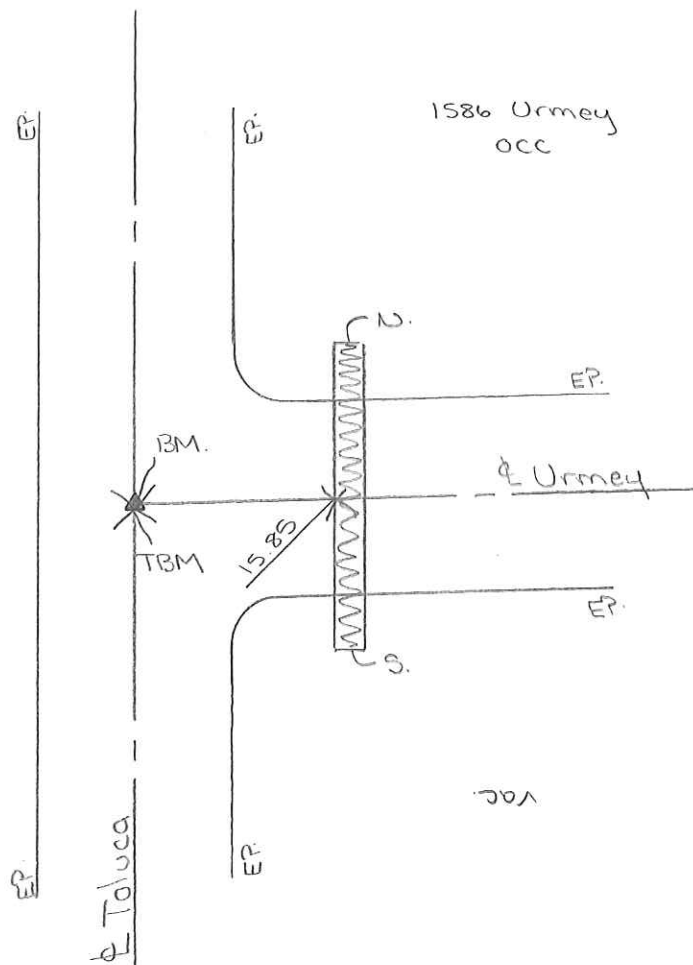
PIPE_REPLACEMENT_FORM

LOCATION: Urmey @ Sadiqo

LOCATION: Urmey @ Toluca 934



DIRECTION



B.M.: Intersection of the road on the crown

EL. = 15.96

T.B.M.: PK nail + Disk in the intersection of the ROW

EL. = 15.94

PIPE: 40' - 24" X 38" RCP.

FINAL:

N. Inv. = 12.90

S. Inv. = 12.75



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

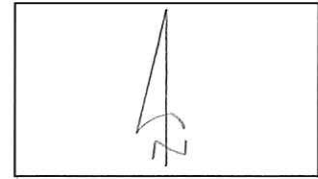
DRAWN BY: J. Polak

DATE: 8/15/17

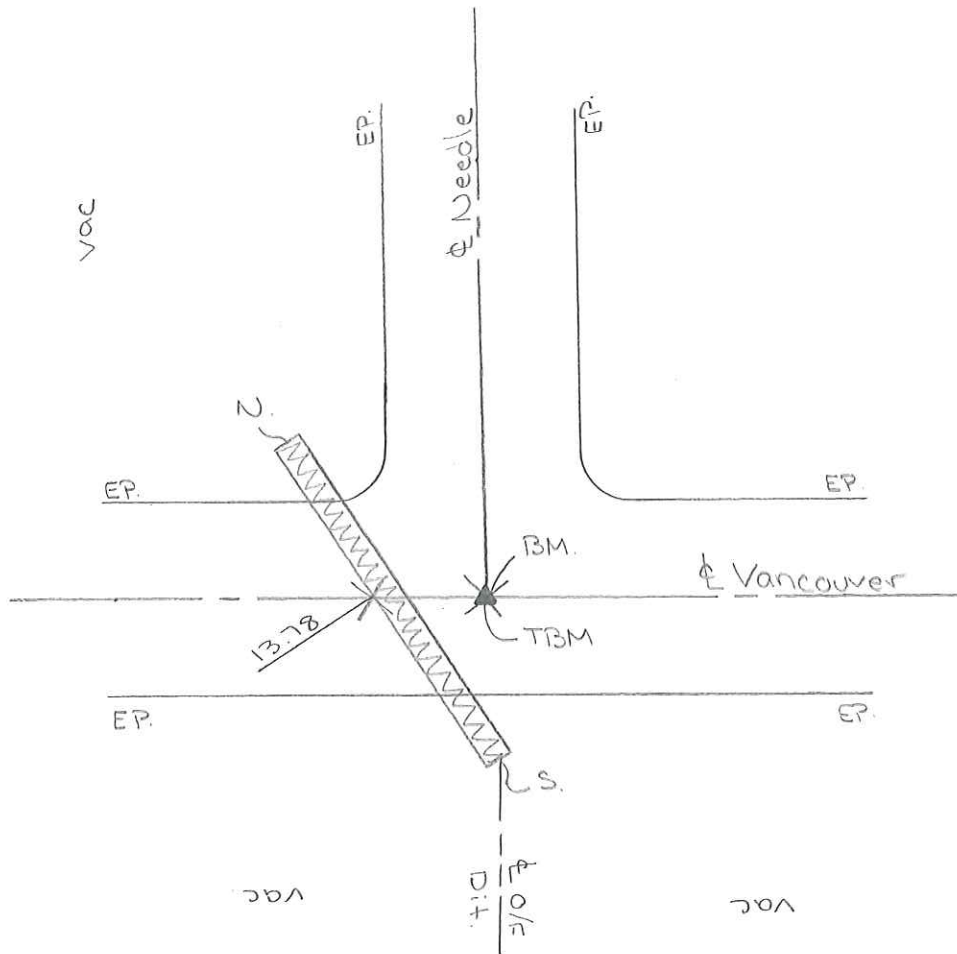
PIPE_REPLACEMENT_FORM

LOCATION: Urmey @ Toluca

LOCATION: Vancouver @ Needle 937



DIRECTION



B.M.: Intersection of the road on the crown.

EL.: 13.73

T.B.M.: PKnail + Disk in the intersection of the ROW

EL.: 13.75

PIPE: 56' - 19" x 30" RCP

FINAL:

N. Inv.: 11.50

S. Inv.: 11.35



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

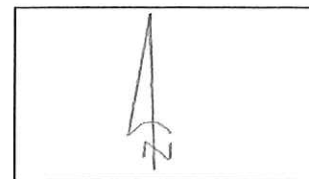
DRAWN BY: J. Polak

DATE: 8/7/17

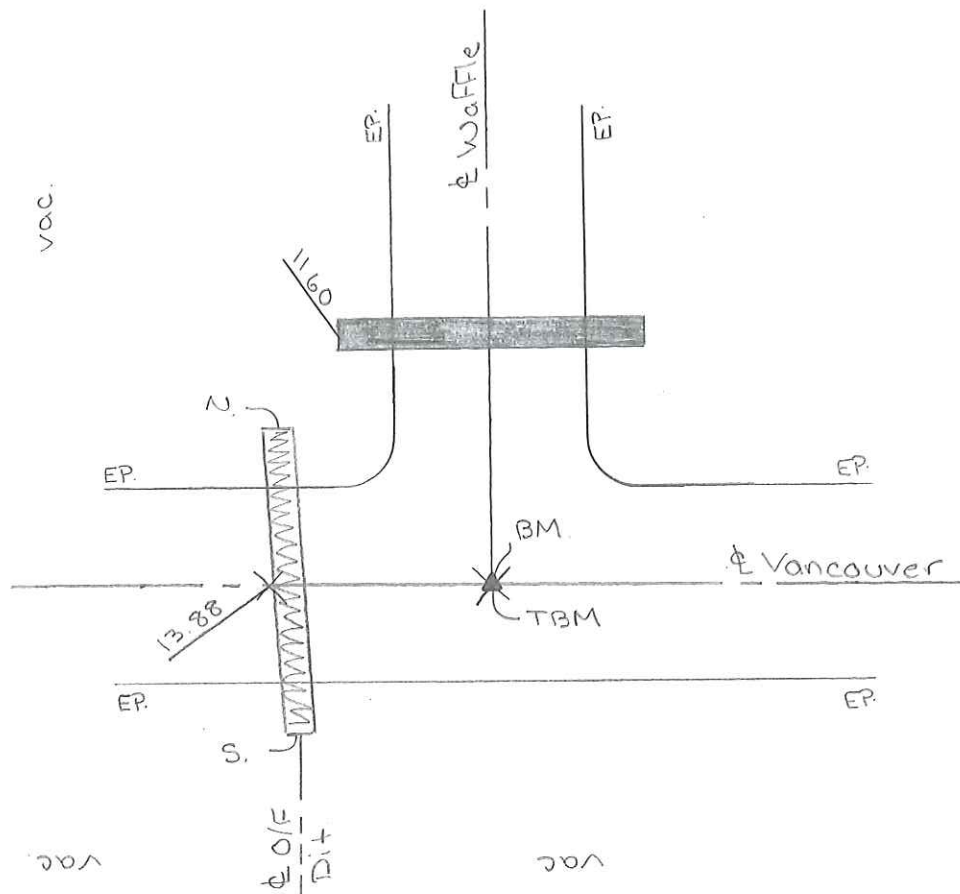
PIPE_REPLACEMENT_FORM

LOCATION: Vancouver @ Needle

LOCATION: Vancouver @ Waffle 939



DIRECTION



B.M.: Intersection of the road on the crown.

EL. = 13.91

T.B.M.: PK nail + Disk in the intersection of the R.O.W.

EL. = 13.90

PIPE: 40' - 24" X 38" RCP.

FINAL:

N. Inv. = 11.00

S. Inv. = 10.85



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

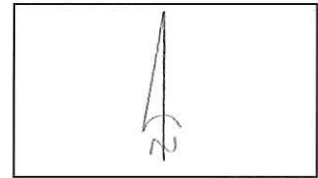
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DATE: 8/8/17

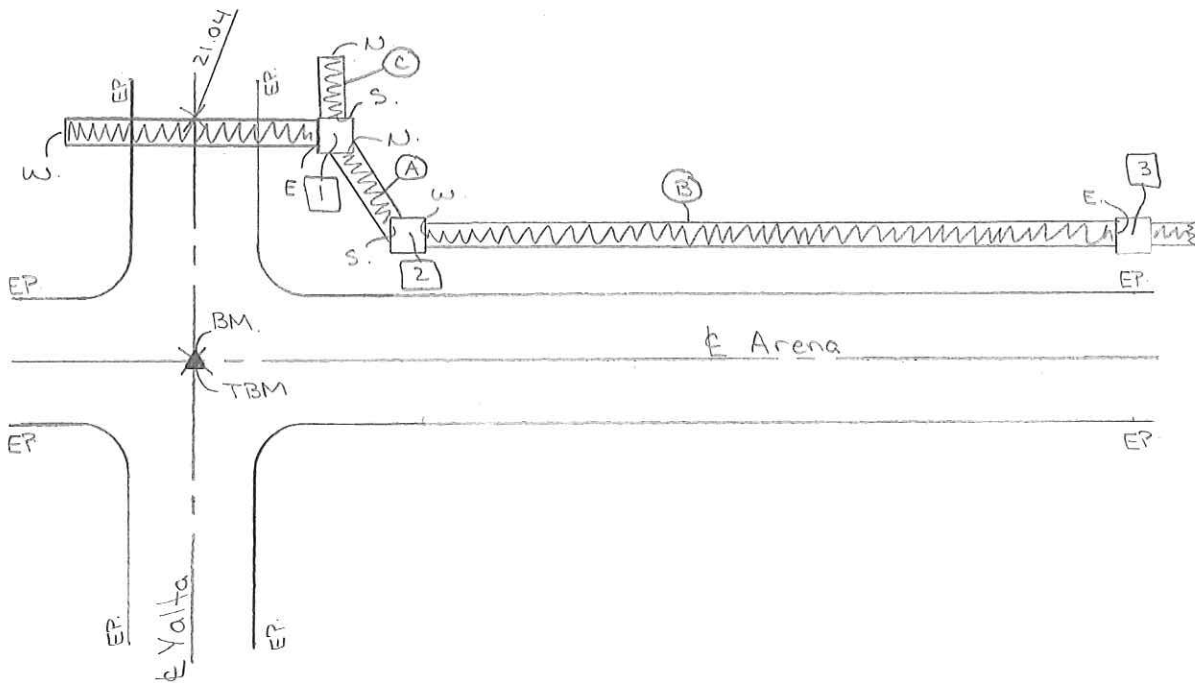
PIPE_REPLACEMENT_FORM

LOCATION: Vancouver @ Waffle

LOCATION: Yalta @ Arena 9516



DIRECTION



(B) 104' - 24" X 38" RCP.

W. Inv. = 17.58
E. Inv. = 17.43

(C) 8' - 12" X 18" RCP.

N. Inv. = 19.50
S. Inv. = 18.70

[1] = Type "E"

Top of box EL = 20.45

[2] = Type "E"

Top of box EL = 20.35
S. Thrt = 19.85

[3] = Type "E"

Top of box EL = 20.10
S. Thrt = 19.60

B.M.: E intersection of the road on the crown

EL. = 21.04

T.B.M.: PK nail in the E intersection of the R.O.W.

EL. = 21.05

PIPE: 40' - 24" X 38" RCP

(A) 32' - 24" X 38" RCP.

FINAL:

W. Inv. = 17.80

N. Inv. = 17.63

E. Inv. = 17.64

S. Inv. = 17.58



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

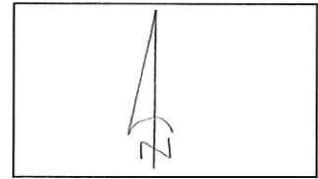
DRAWN BY: J. Polak

DATE: 8/29/17

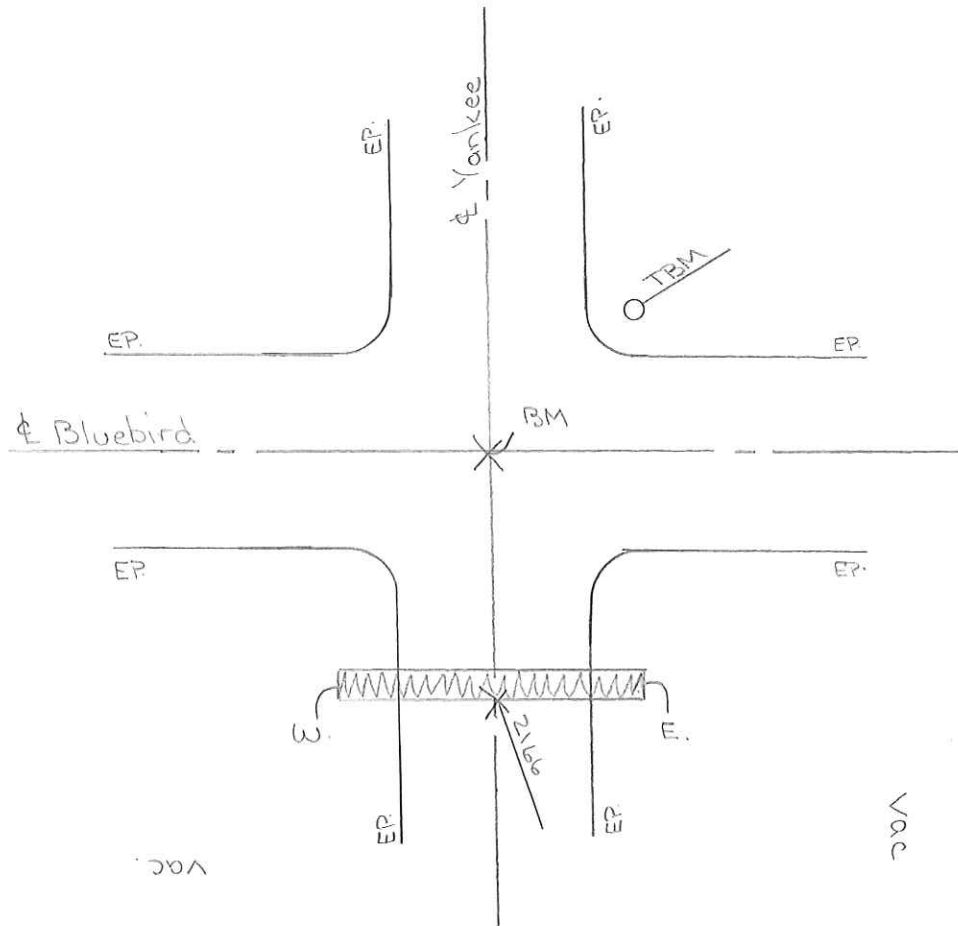
PIPE_REPLACEMENT_FORM

LOCATION: Yalta @ Arena

LOCATION: Yankee @ Bluebird 9101



DIRECTION



B.M.: Intersection of the road on the crown.

EL. = 21.54

T.B.M.: PK nail in a utility pole at the northeast corner of the intersection

EL. = 21.76

PIPE: 40' - 19" X 30" RCP.

FINAL:

E. Inv. = 19.40

W. Inv. = 19.20



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

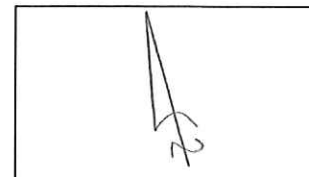
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DATE: 8/17/17

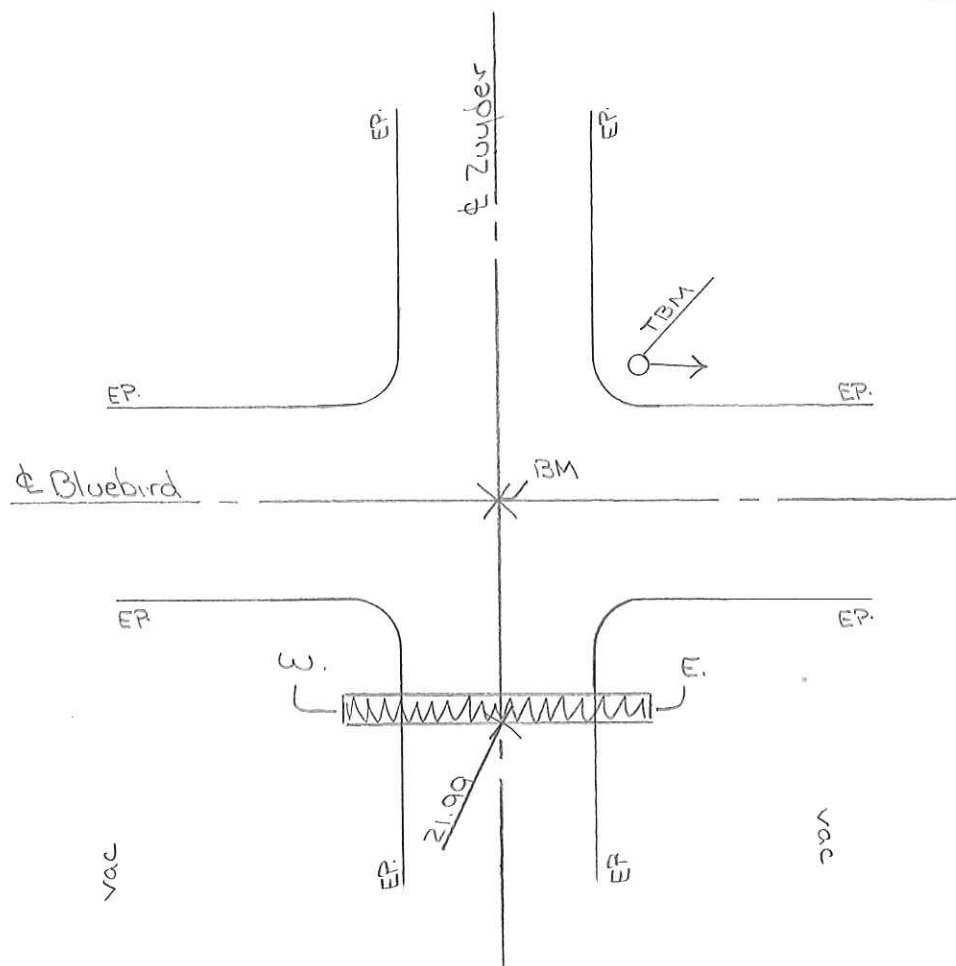
PIPE_REPLACEMENT_FORM

LOCATION: Yankee @ Bluebird

LOCATION: Zuuder @ Bluebird 973



DIRECTION



B.M.: Intersection of the road on the crown.

EL. = 22.00

T.B.M.: PK nail in a utility pole at the northeast corner of the intersection.

EL. = 22.40

PIPE: 40' - 14" X 23" RCP

FINAL:

W. Inv. = 19.85

E. Inv. = 19.60



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

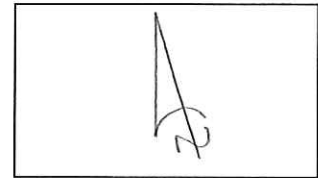
DRAWN BY: J. Polak

DATE: 8/25/17

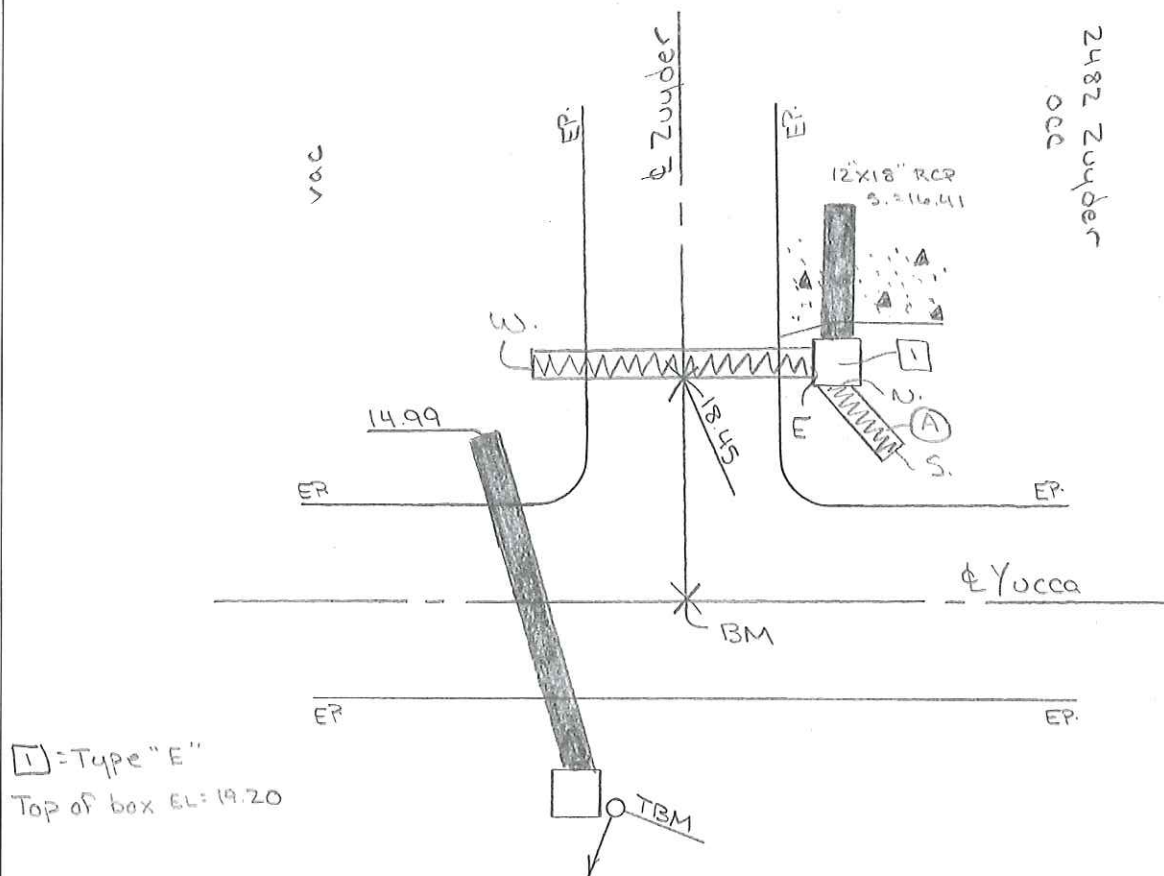
PIPE_REPLACEMENT_FORM

LOCATION: Zuuder @ Bluebird

LOCATION: Zuyder @ Yucca 975



DIRECTION



B.M.: at intersection of the road on the crown
EL. = 18.37

T.B.M.: PK nail in a utility pole 25' south of the intersection
EL. = 19.18

PIPE:	40'-14" X 23" RCP	(B) 16'-12" X 18" RCP	FINAL:
E. Inv.:	16.15	S. Inv. = 16.50	
W. Inv.:	16.00	N. Inv. = 16.40	



CITY OF NORTH PORT
PUBLIC WORKS DEPARTMENT

DRAWN BY: J. Polak

DATE: 8/25/17

PIPE_REPLACEMENT_FORM

LOCATION: Zuyder @ Yucca

ATTACHMENT C: 2018 City of North Port W. Price Boulevard

**ATTACHMENT C: 2018 City of North Port W. Price Boulevard Mill and Resurface
Scope**

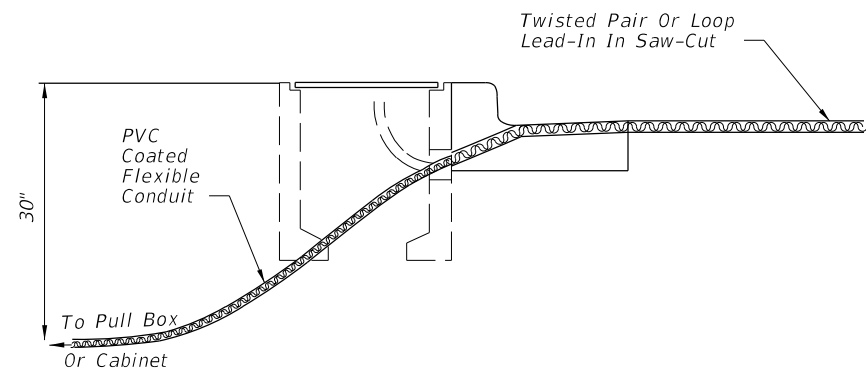
WEST PRICE BOULEVARD - MILL & RESURFACE

FULL_NAME	From_Street	To_Street	Length	Width	Ton	Milling(say)	I.B.R.(ton)
N CHAMBERLAIN BLVD	W PRICE BLVD & S CHAMBERLAIN BLVD	HAVELOCK AVE	200.0	12	15	267	
N CRANBERRY BLVD	S CRANBERRY BLVD & W PRICE BLVD	LUCAYA AVE	200.0	12	15	267	
S CHAMBERLAIN BLVD	W PRICE BLVD & N CHAMBERLAIN BLVD	JAMESON AVE	300.0	24	46	800	
S CRANBERRY BLVD	N CRANBERRY BLVD & W PRICE BLVD	ZORATOA AVE	200.0	12	15	267	
W PRICE BLVD	LOW ST & ALTOONA AVE	LUAU ST	864.8	24	233	2,306	
W PRICE BLVD	CITIZENS PKWY	CALIVA ST	442.3	24	121	1,179	
W PRICE BLVD	SAVIA ST	WILLIAM ST	1,164.4	24	313	3,105	
W PRICE BLVD	S LAVINA ST & N LAVINA ST	LOW ST & ALTOONA AVE	859.1	24	232	2,291	
W PRICE BLVD	COD ST	N STEP ST & S STEP ST	299.8	24	83	800	
W PRICE BLVD	WILLIAM ST	N RACE ST & S RACE ST	345.8	24	95	922	
W PRICE BLVD	LUAU ST	COD ST	350.1	24	96	934	
W PRICE BLVD	N STEP ST & S STEP ST	S WAPELLO ST & N WAPELLO ST	1,109.3	24	299	2,958	50
W PRICE BLVD	S WACONIA ST & N WACONIA ST	PETRONIA ST	3,399.4	24	909	9,065	100
W PRICE BLVD	N RACE ST & S RACE ST	CONVERGENCE WAY	37.9	24	13	101	
			9,773		2,484	25,261	150

TWISTED PAIR AND LOOP LEAD-IN
INSTALLATION WITH CURB & GUTTER

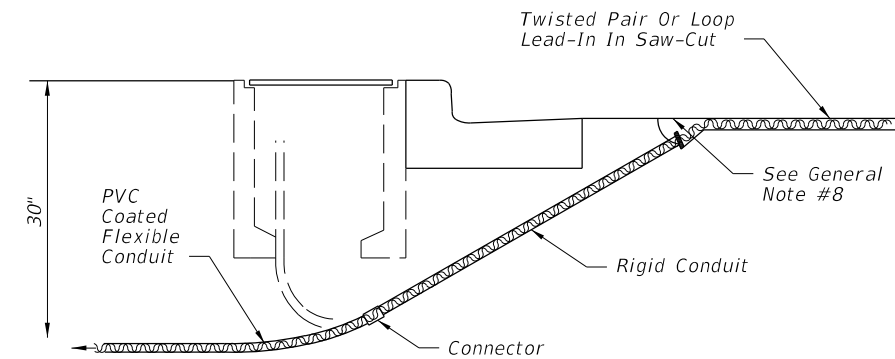
ALTERNATIVE 1

Drill A Hole Through The Curb At The Point Which The Required Saw-Cut Depth Is Obtained Just Prior To Cutting The Top Inside Edge Of The Curb. Slide A Section Of Flexible Conduit At Least 6" Into The Hole From The Back Side Of The Curb But Not Within 2" Of The Top Of The Hole. The Conduit Shall Fit Snug Within The Drilled Hole. Fill The Top Of The Hole With Loop Sealant To The Level Of The Curb Surface. A Nonmetallic Material Should Be Used To Prevent Excessive Loop Sealant From Entering The Flexible Conduit.



ALTERNATIVE 2

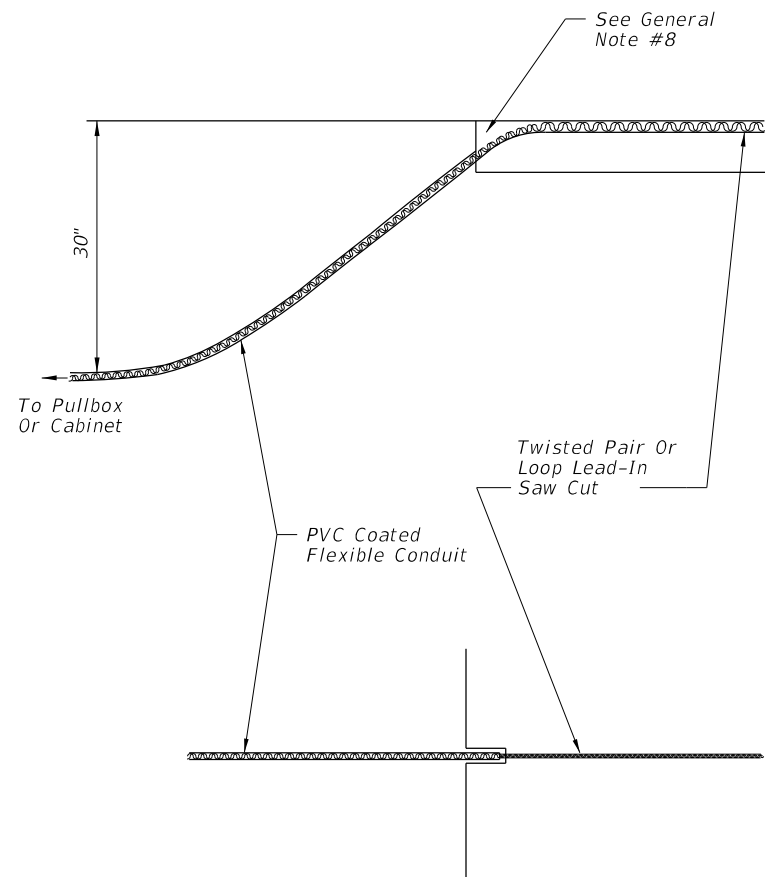
Drill A Hole 1/2" To 1" Larger In Diameter Than The Rigid Conduit To Be Used Through The Roadway Asphalt (Or Concrete) Surface And Base At An Appropriate Angle To Intercept The Trench Or Pull Box Hole. Place A Predetermined Length Of Rigid Conduit In The Hole And Drive The Conduit Into The Trench Or Hole. Install A Molded Bushing (Nonmetallic) On The Roadway End Of The Rigid Conduit. The Top Of The Rigid Conduit Shall Be Approximately 2" Below The Roadway Surface. Fill The Hole With Loop Sealant To The Level Of The Roadway Surface. A Nonmetallic Material Should Be Used To Prevent Excessive Loop Sealant From Entering The Rigid Conduit.



NOTE:
Other alternatives may be approved by the State Traffic Operations Engineer.

TWISTED PAIR AND LOOP LEAD-IN
INSTALLATION WITHOUT CURB & GUTTER

Cut A Slot In The Edge Of The Roadway Of Sufficient Size And Depth To Snugly Place The End Of The Flexible conduit. The End Of The Conduit Shall Be At Least 6" Into The Roadway And approximately 2" Below The Top Of The Roadway Surface. The Departure Angle Of The Conduit From The Roadway Shall Be 30° To 45°.

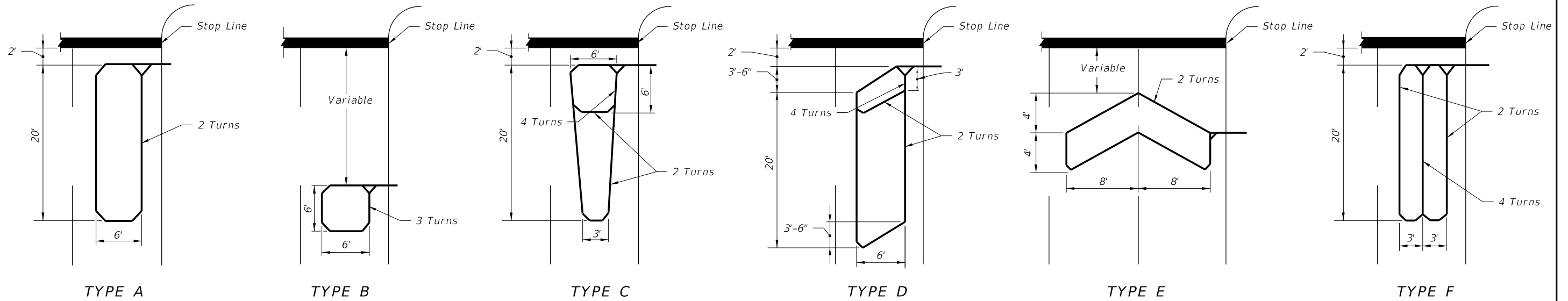


NOTE:
Other alternatives may be approved by the State Traffic Operations Engineer.

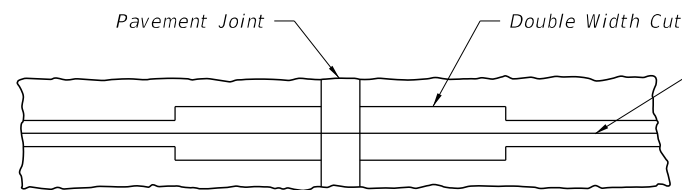
GENERAL NOTES

1. If the loop lead-in is 75' or less from the edge of the loop detector to controller cabinet, continue the twisted pair to the cabinet. If the loop lead-in is greater than 75' continue the twisted pair to the specified pullbox, splice to shielded lead-in wire and continue to the controller cabinet.
2. The width of all saw cuts shall be sufficient to allow unforced placement of loop wires or lead-in cables into the saw cut. The depth of all saw cuts, except across expansion joints, shall be 3" standard with a maximum of 4".
3. On resurfacing or new roadway construction projects, the loop wires and lead-in cables will be installed in the asphalt structural course prior to the placement of the final asphalt wearing course. The loop wires and lead-in cables shall be placed in a saw cut in the structural course. The depth of the cables below the top of the final surface shall comply with note 2.
4. A nonmetallic hold down material shall be used to secure loop wires and lead-ins to the bottom of saw-cuts. Hold down material shall be placed at approximately 12" intervals around loops and 24" intervals on lead-ins.
5. The minimum distance between the twisted pairs of loop lead-in wire is 6" from the loop to 12" from the pavement edge or curb.
6. Splice Connections in pull boxes with UL listed, watertight, insulated enclosures. Place one enclosure over the end of each conductor and place a third enclosure over the exposed end of the shielded cable.
7. As an alternate, a larger diameter enclosure that will accommodate both the splices of the conductors and the exposed end of the shielded cable may be used.
8. The maximum area of asphalt to be disturbed shall be 6"x 6". This area shall be restored as directed by the Engineer.

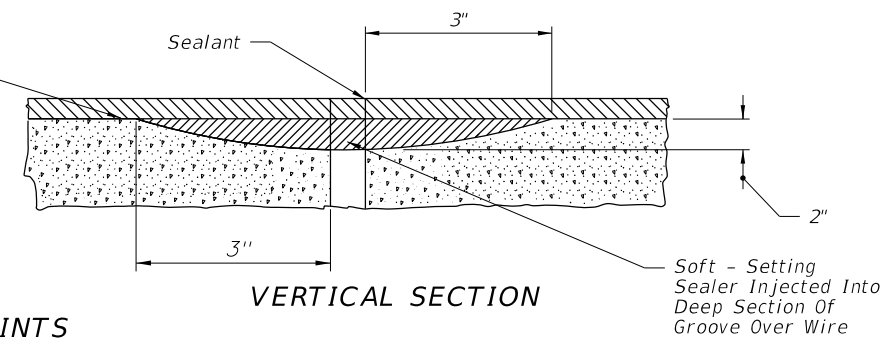
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Note:
Loop conductors must follow saw-cut to bottom forming slack section at joint.

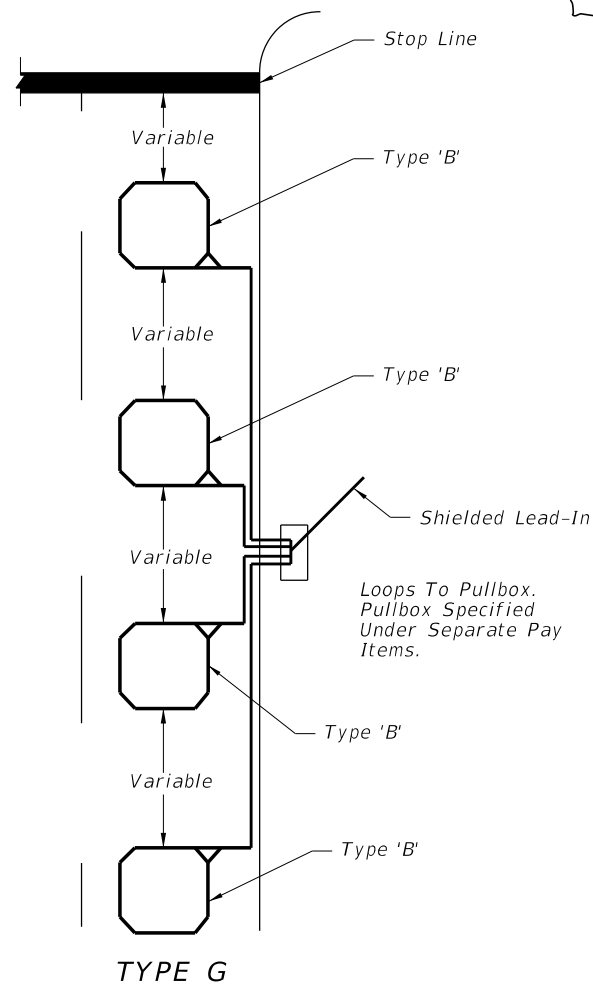


PLAN

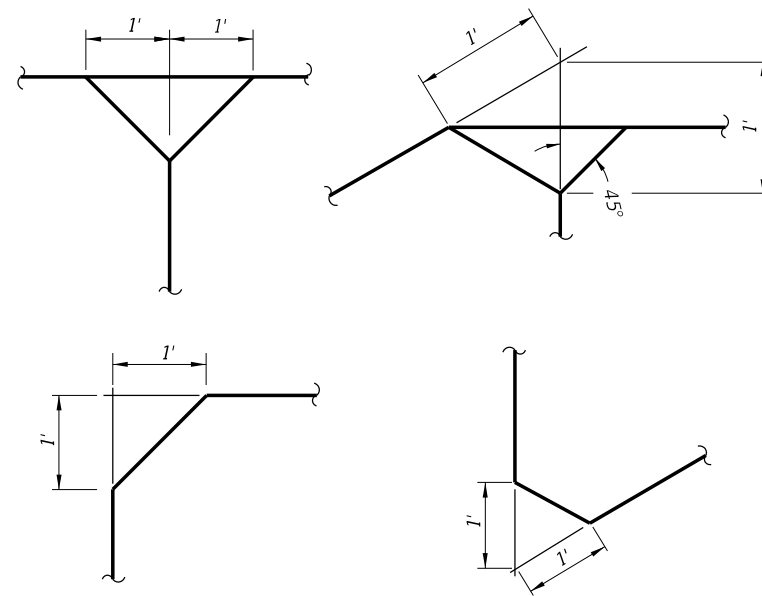


VERTICAL SECTION

CONCRETE PAVEMENT EXPANSION JOINTS



TYPE G



LOOP CORNER AND LEAD-IN DETAILS

Notes:

1. The "number of turns" indicated at the specified point on the loop refers to the number of passes of loop wires which are placed in the saw-cut forming the complete loop.
2. Loop types or details not drawn to scale.
3. Loop Types are centered in a single lane except Type E which is centered on two lanes.
4. The number of individual loops in the Type G loop may vary up to a maximum of four (4).
5. Lead-in may be connected to either end of loop.
6. The leading edge of loop Types A,C,D,& F may extend past the stop line a maximum of 10'. The length of these loops may be extended to a maximum of 60'. Each intersection should be individually designed and if the modifications noted above is required it must be noted or detailed in the plans.
7. Loop lead-in wires should not be installed in the same pull box with signal power cable.

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LAST REVISION 07/01/00	DESCRIPTION:	FY 2017-18 DESIGN STANDARDS	VEHICLE LOOP INSTALLATION DETAILS	INDEX NO. 17781	SHEET NO. 2 of 2
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PLANS OF PROPOSED PRICE BOULEVARD & CHAMBERLAIN BOULEVARD INTERSECTION IMPROVEMENTS

CITY OF NORTH PORT

CITY MANAGER

STEVEN S. CROWELL JR.



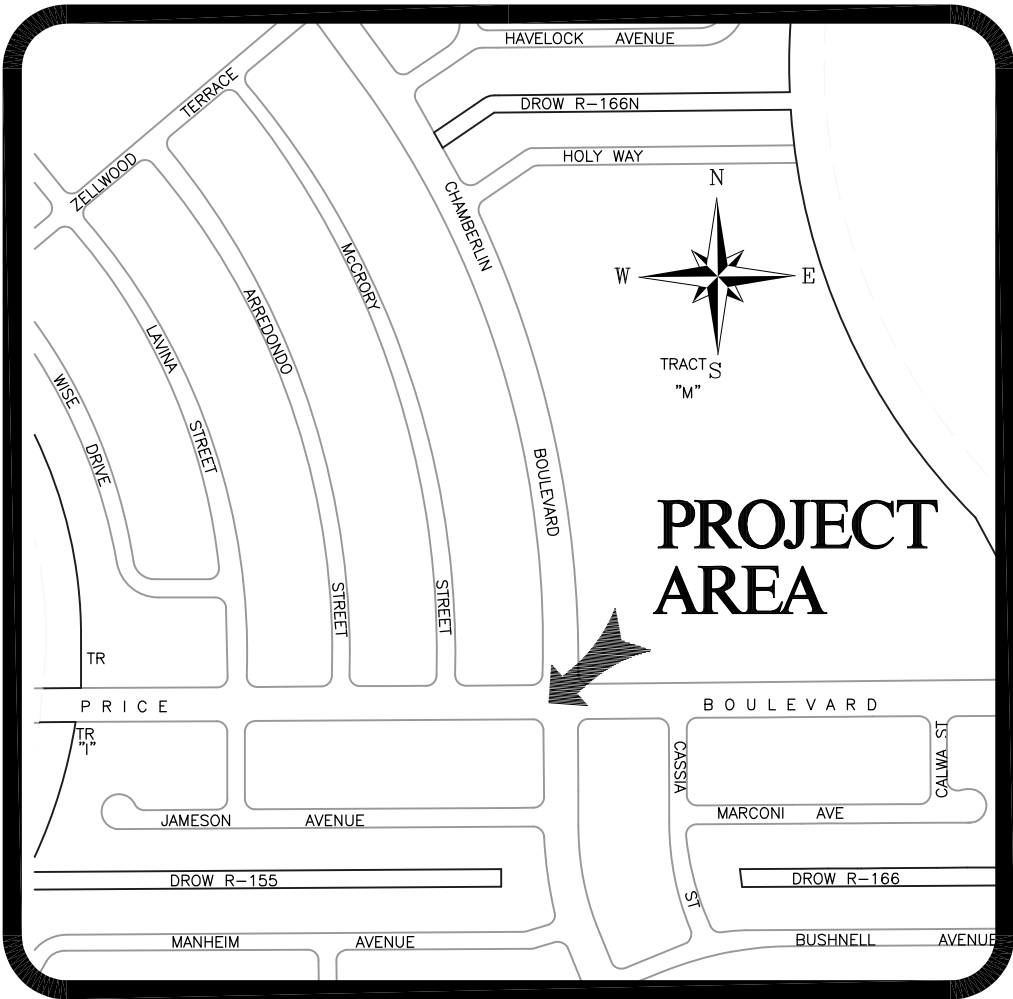
CITY COMMISSIONERS

SEAT 1 - RICHARD A. LOCKHART
SEAT 2 - BARBARA L. GROSS
SEAT 3 - FRED E. TOWER III
SEAT 4 - JIM BLUCHER
SEAT 5 - VANESSA CARUSONE

THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH AND ARE GOVERNED BY THE CITY OF NORTH PORT LAND DEVELOPMENT REGULATIONS, THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS (JANUARY 2004 AND ANY APPLICABLE REVISIONS) AND THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (2004) EXCEPT WHERE MODIFIED BY THE CONTRACT.

NUMBER	REVISIONS	DATE
1		
2		
3		
4		
5		

Section 24, Township 39, Range 21



PROJECT LOCATION MAP

DATE: JULY, 2007

THIS PLAN SET INCLUDES:

ROADWAY PLANS
SIGNALIZATION PLANS

INDEX OF SHEETS

DRAWING NO.	DESCRIPTION
1	KEY SHEET
2	SUMMARY OF PAY ITEMS
3-4	TYPICAL SECTIONS
5	GENERAL NOTES AND LEGEND
6-10	PLAN & PROFILE SHEETS
11	STORM WATER POLLUTION PREVENTION PLAN (SWPPP)
12-19	CROSS SECTIONS
20	TRAFFIC CONTROL PLAN
21-25	SIGNING AND MARKING PLANS

PREPARED BY :

HM
HOLE MONTES
ENGINEERS PLANNERS SURVEYORS
LANDSCAPE ARCHITECTURE

405 Commercial Court, Suite E
Venice, FL. 34292
Phone 1-941-412-3712
Florida Certificate of
Authorization No. 1772

HM JOB NUMBER - 2006038

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

I hereby certify that the design of this project, as prepared under my personal direction and control, complies with the applicable portions of the "City of North Port Land Development Regulations" (Ord. No. 81-12 as amended) and the "Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways" as adopted by the Florida Department of Transportation pursuant to Subsections 335.075 (1) and (4), Florida Statutes.

RICHARD E. BRYLANSKI, P.E.
BOARD OF PROFESSIONAL
ENGINEERS NO.: 42339

DATE

AS-BUILT SURVEY BY:
APAC FLORIDA INC. LB 4838
SARASOTA, FLORIDA,
(941) 355-7178
SURVEYOR IN CHARGE: ERIC BANTA PSM

REFERENCE NO.	DRAWING NO.
6038COVR	
PROJECT NO.	SHEET NO.
2006038	1

SUMMARY OF ROADWAY ITEMS			
PAY ITEM	DESCRIPTION	UNIT	QUANTITY
101-1	MOBILIZATION	LS	1
102-1	MAINTENANCE OF TRAFFIC	LS	1
102-3-26	COMMERCIAL MATERIAL FOR DRIVEWAY MAINT	CY	90
104-10-1	HAY OR STRAW BALE (18"x18"x36")	EA	282
104-13-1	SILT FENCE TYPE III	LF	162
104-14	STORMWATER POLLUTION PREVENTION PLAN	LS	1
110-1-1	CLEARING & GRUBBING	LS	1
110-4	PAVEMENT REMOVAL OF EXISTING CONCRETE	SY	451
110-7	MAILBOX (RELOCATE)	EA	4
120-1	EXCAVATION, REGULAR	CY	809
120-6	EMBANKMENT	CY	75
160-4	STABILIZATION, TYPE "B" (LBR 40)	SY	2,719
285-706	OPTIONAL BASE GROUP 06 (TYPE B 12.5)	SY	2,589
334-1-12	SUPERPAVE ASPHALTIC CONCRETE (TRAFFIC B)	TON	285
337-7-7	ASPHALT CONCRETE FRICTION COURSE (FC-9.5)	TON	533
425-5	MANHOLES (ADJUST)	EA	5
425-6	VALVE BOXES (ADJUST)	EA	5
430-172-123	PIPE CULVERT OPTIONAL MATERIAL (15" CD)	LF	25
430-172-225	PIPE CULVERT OPTIONAL MATERIAL (14"x23" CD)	LF	43
430-172-229	PIPE CULVERT OPTIONAL MATERIAL (19"x30" CD)	LF	36
430-174-123	PIPE CULVERT OPTIONAL MATERIAL (15" SD)	LF	48
430-942-23	DESILTING PIPE, 15"	LF	60
430-942-25	DESILTING PIPE, 14"x23"	LF	41
430-942-29	DESILTING PIPE, 19"x30"	LF	47
430-932-123	MITERED END SECTION (CD) (15")	EA	2
430-932-225	MITERED END SECTION (CD) (14"x23")	EA	2
430-932-229	MITERED END SECTION (CD) (19"x30")	EA	2
522-1	CONCRETE SIDEWALK, 4" THICK	SY	1,247
522-2	CONCRETE SIDEWALK, 6" THICK	SY	296
575-1	SODDING	SY	6,775
SUMMARY OF SIGNING AND PAVEMENT MARKING ITEMS			
PAY ITEM	DESCRIPTION	UNIT	QUANTITY
700-46-11	REMOVE EXISTING SIGN (SINGLE-POST)	AS	2
700-46-12	REMOVE EXISTING SIGN (MULTI-POST)	AS	2
700-46-21	RELOCATE EXISTING SIGN	AS	4
706-3	RETRO-REFLECTIVE PAVEMENT MARKER	EA	287
711-4	DIRECTIONAL ARROWS (THERMOPLASTIC)	EA	32
711-35-121	SOLID TRAFFIC STRIPE, THERMOPLASTIC (WHITE) (12")	LF	389
711-35-241	SOLID TRAFFIC STRIPE, THERMOPLASTIC (WHITE) (24")	LF	113
711-36-181	SOLID TRAFFIC STRIPE, THERMOPLASTIC (YELLOW) (18")	LF	191
711-37-61	SOLID TRAFFIC STRIPE, THERMOPLASTIC (WHITE) (6")	NM	1.06
711-38-61	SOLID TRAFFIC STRIPE, THERMOPLASTIC (YELLOW) (6")	NM	1.14

PAY ITEM NOTES

PAY ITEM SECTION(S)	NOTES
102-1	ALL COSTS TO MAINTAIN TRAFFIC NOT INCLUDED SPECIFICALLY IN ANOTHER BID ITEM SHALL BE INCLUDED IN THE BID PRICE FOR MAINTENANCE OF TRAFFIC, INCLUDING, BUT NOT LIMITED TO ADJUSTING AND MAINTAINING TEMPORARY BARRICADES TEMPORARY TYPE "B" HIGH INTENSITY FLASHING LIGHTS, TEMPORARY PAVEMENT, TEMPORARY STRIPING, AND REMOVAL OF EXISTING PAVEMENT MARKINGS (INCLUDING EXISTING RPM'S).
102-3-26 425-5 425-6	CONSIDERED AS CONTINGENCY ITEMS ONLY. TO BE USED AT THE ENGINEERS DISCRETION.
104-	ARE ESTIMATED FOR PREVENTION, CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION AND SHALL BE USED AT LOCATIONS DESCRIBED IN THE CONTRACTOR'S EROSION CONTROL PLAN AS APPROVED BY THE PROJECT ENGINEER TO COMPLY WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS AND ALL PERMITS ASSOCIATED WITH THE WORK.
104-10-1	BASED ON 2 PLACEMENTS IN ADDITION TO INITIAL PLACEMENT, USE AT LOCATIONS DESIGNATED BY CONTRACTOR'S EROSION CONTROL PLAN OR AS DIRECTED BY ENGINEER.
110-1-1	CLEARING AND GRUBBING WILL INCLUDE ALL AREAS WITHIN THE ROAD RIGHT-OF-WAY AND CONSTRUCTION LIMITS AS SHOWN ON THE TYPICAL SECTION SHEETS. THIS ITEM INCLUDES DRAINAGE STRUCTURE AND IRRIGATION SYSTEM REMOVAL AND DISPOSAL WORK, ABANDONMENT OF IRRIGATION PIPES AND DRAINAGE PIPES IN PLACE AND PLACING FLOWABLE FILL IN DRAINAGE AND IRRIGATION PIPES TO BE ABANDONED.
110-4	INCLUDES REMOVAL OF CONCRETE DRIVEWAYS.
430	WHERE APPLICABLE, INCLUDES ALL COSTS OF CONNECTION TO EXISTING PIPES. CONNECTIONS SHALL BE PER FDOT INDEX 280
430-942-	CONSIDERED AS CONTINGENCY ITEMS ONLY. TO BE USED AT THE ENGINEERS DISCRETION.
522-2	INCLUDES THE COST OF CONCRETE RESIDENTIAL DRIVEWAYS.
575-1	INCLUDES TEMPORARY SOD AS REQUIRED BY CONTRACTOR'S EROSION CONTROL PLAN AND AS DIRECTED BY ENGINEER. INCLUDES THE COST FOR PEGGING SOD ON SLOPES STEEPER THAN 1:3. INCLUDES THE COST FOR FERTILIZER AND WATER.
*NOTE:	WHERE SUBSECTION(S) ARE NOT SPECIFICALLY LISTED, NOTES APPLY TO ALL SUBSECTIONS.

NUMBER	REVISIONS	DATE

PRICE BLVD/
CHAMBERLAIN BLVD
INTERSECTION IMPROVEMENTS

DESIGNED BY: EDF	DATE: 1/07
DRAWN BY: EDF	DATE: 1/07
CHECKED BY: WFG	DATE: 1/07
VERTICAL SCALE: NONE	HORIZONTAL SCALE: NONE



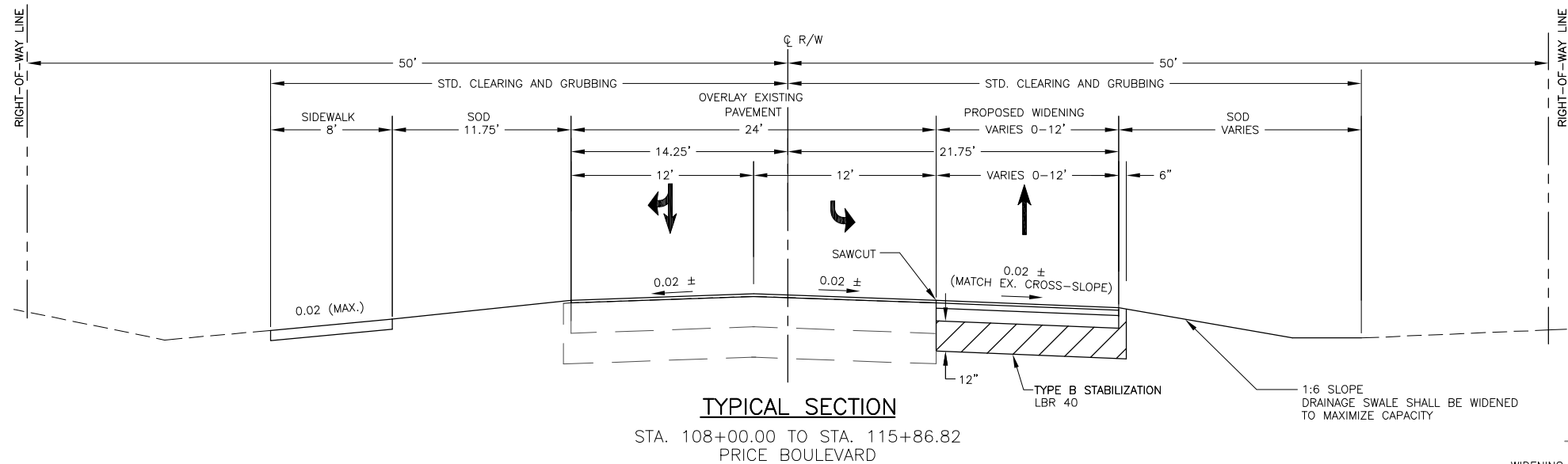
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Venice, FL. 34292
Phone 1-941-412-3712
Florida Certificate of
Authorization No. 1772

SUMMARY OF PAY ITEMS

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AND SEALED BELOW :

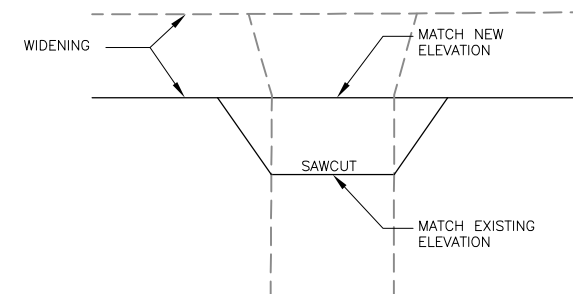
RICHARD E. BRYLANSKI, P.E.
FLORIDA PROFESSIONAL ENGINEERING
REGISTRATION #42339
DATE _____

REFERENCE NO. P&P	DRAWING NO.
PROJECT NO. 2006038	SHEET NO. 2

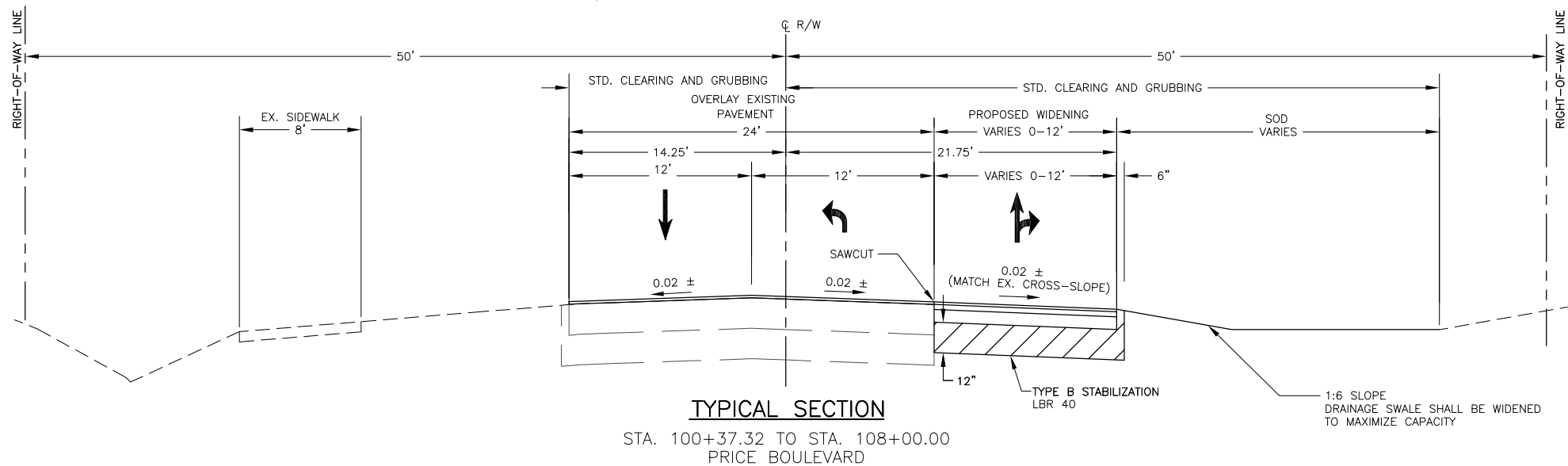


PRICE BLVD. WIDENING		
DESIGN SPEED - 45 MPH		
POSTED SPEED - 45 MPH		
SUB GRADE: TYPE B STABILIZATION LBR 40 MINIMUM	INCHES	LB/SY
BASE: ASPHALT BASE COURSE - TYPE B-12.5	12	
STRUCTURAL: TYPE SP-12.5	5	
SURFACE: TYPE FC-9.5 FRICTION COURSE	2	220
	1	110

- NOTES: 1. EXISTING PAVEMENT SHALL BE OVERLAID WITH 1" (110 LB/SY) FC-9.5.
2. SOD ALL DISTURBED AREAS IN SWALES AND ADJACENT TO ROADWAY AND SIDEWALKS.



1. SAWCUT AND REMOVE EXISTING CONCRETE DRIVEWAY
2. RECONSTRUCT DRIVEWAY FROM EDGE OF NEW PAVEMENT TO SAWCUT LINE WITH 6" OF CONCRETE
3. MATCH EDGE OF NEW PAVEMENT AND DRIVEWAY AT SAWCUT LINE.



NUMBER	REVISIONS	DATE
1		
2		
3		
4		

PRICE BLVD/
CHAMBERLAIN BLVD
INTERSECTION IMPROVEMENTS

DESIGNED BY: MAC	DATE: 8/06
DRAWN BY: EDF	DATE: 8/06
CHECKED BY: WFG	DATE: 8/06
VERTICAL SCALE: N/A	HORIZONTAL SCALE: N/A

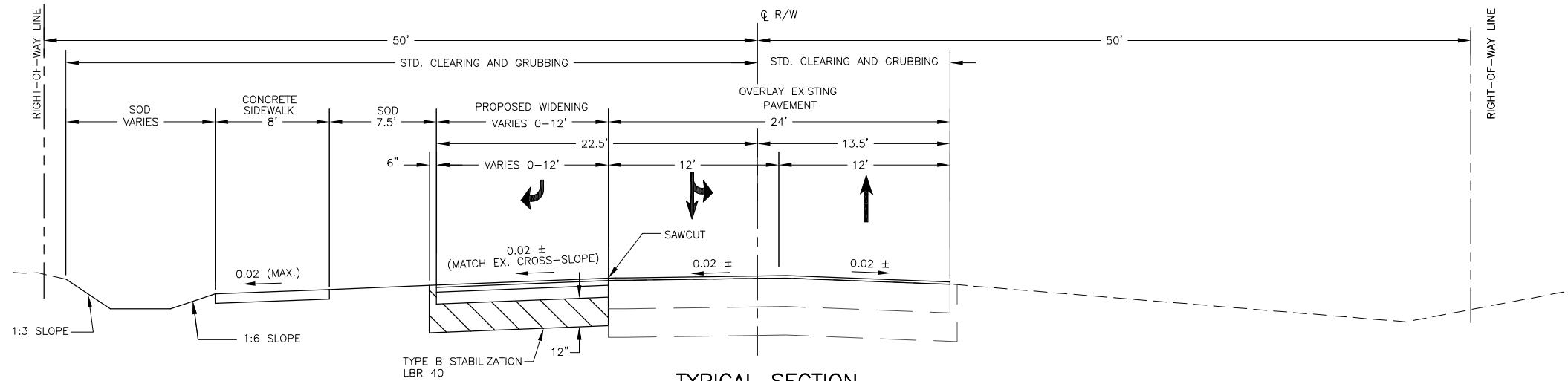


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Florida Certificate of
Authorization No. 1772

TYPICAL SECTIONS
PRICE BLVD.

THESE DRAWINGS ARE NOT APPROVED UNLESS SIGNED AND SEALED BELOW :	
RICHARD E. BRYLANSKI, P.E. FLORIDA PROFESSIONAL ENGINEERING REGISTRATION #42339	DATE

REFERENCE NO. TYPSEC	DRAWING NO.
PROJECT NO. 2006038	SHEET NO. 3

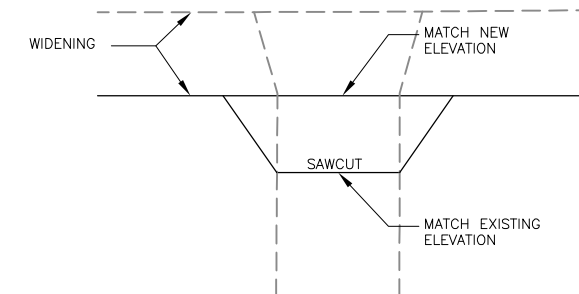


TYPICAL SECTION

STA. 205+00.00 TO STA. 209+02.88
CHAMBERLAIN BOULEVARD

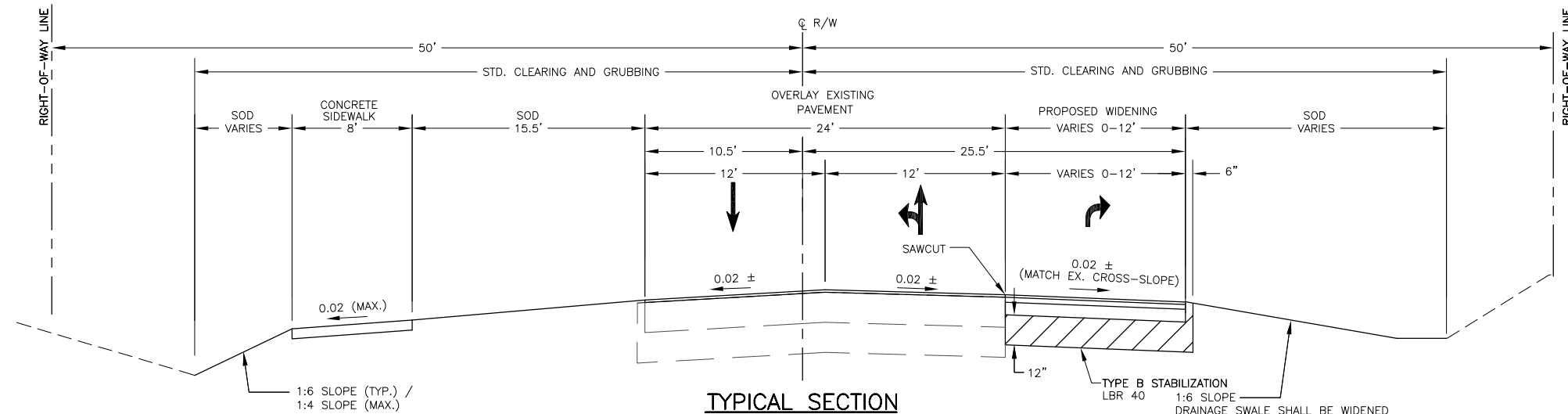
CHAMBERLAIN BLVD. WIDENING			
DESIGN SPEED - 40 MPH			
POSTED SPEED - 40 MPH			
SUB GRADE: TYPE B STABILIZATION LBR 40 MINIMUM	12	INCHES	LB/SY
BASE: ASPHALT BASE COURSE - TYPE B-12.5	5		
STRUCTURAL: TYPE SP-12.5	2		220
SURFACE: TYPE FC-9.5 FRICTION COURSE	1		110

- NOTES: 1. EXISTING PAVEMENT SHALL BE OVERLAID WITH 1" (110 LB/SY) FC-9.5.
2. SOD ALL DISTURBED AREAS IN SWALES AND ADJACENT TO ROADWAY AND SIDEWALKS.



1. SAWCUT AND REMOVE EXISTING CONCRETE DRIVEWAY
2. RECONSTRUCT DRIVEWAY FROM EDGE OF NEW PAVEMENT TO SAWCUT LINE WITH 6" OF CONCRETE
3. MATCH EDGE OF NEW PAVEMENT AND DRIVEWAY AT SAWCUT LINE.

DRIVEWAY RECONSTRUCTION DETAIL



TYPICAL SECTION

STA. 200+86.84 TO STA. 205+00.00
CHAMBERLAIN BOULEVARD

NUMBER	REVISIONS	DATE
1		
2		
3		
4		

PRICE BLVD/
CHAMBERLAIN BLVD
INTERSECTION IMPROVEMENTS

DESIGNED BY: MAC	DATE: 8/06
DRAWN BY: EDF	DATE: 8/06
CHECKED BY: WFG	DATE: 8/06
VERTICAL SCALE: N/A	HORIZONTAL SCALE: N/A

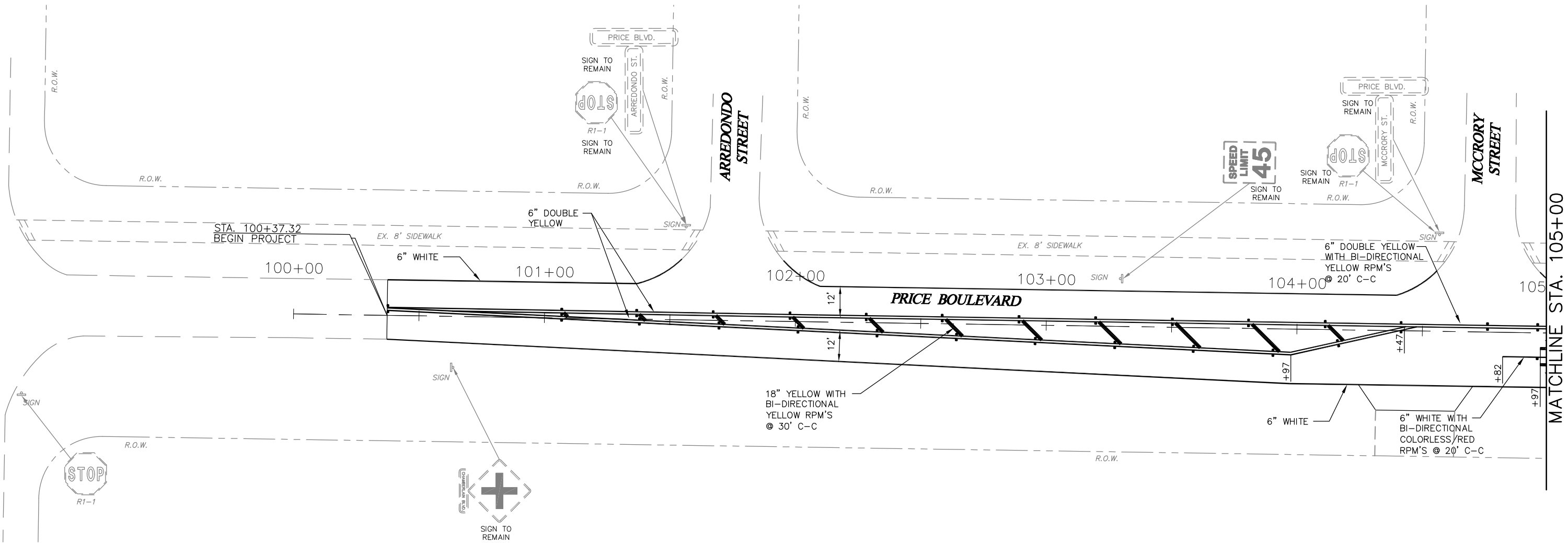
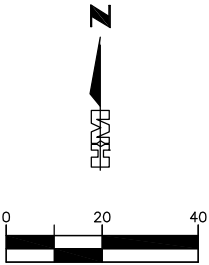


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Florida Certificate of
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TYPICAL SECTIONS
CHAMBERLAIN BLVD.

THESE DRAWINGS ARE NOT APPROVED UNLESS SIGNED AND SEALED BELOW :	
RICHARD E. BRYLANSKI, P.E. FLORIDA PROFESSIONAL ENGINEERING REGISTRATION #42339	DATE

REFERENCE NO. TYPSEC	DRAWING NO.
PROJECT NO. 2006038	SHEET NO. 4



NUMBER	REVISIONS	DATE
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PRICE BLVD/
CHAMBERLAIN BLVD
INTERSECTION IMPROVEMENTS

DESIGNED BY: MAC	DATE: 5/06
DRAWN BY: EDF	DATE: 5/06
CHECKED BY: WFG	DATE: 5/06
VERTICAL SCALE: NONE	HORIZONTAL SCALE: 1" = 40'



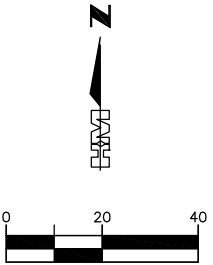
405 Commercial Court, Suite E
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Phone 1-941-412-3712
Florida Certificate of
Authorization No. 1772

SIGNING AND MARKING PLAN
PRICE BOULEVARD
STA. 100+37.32 TO 105+00

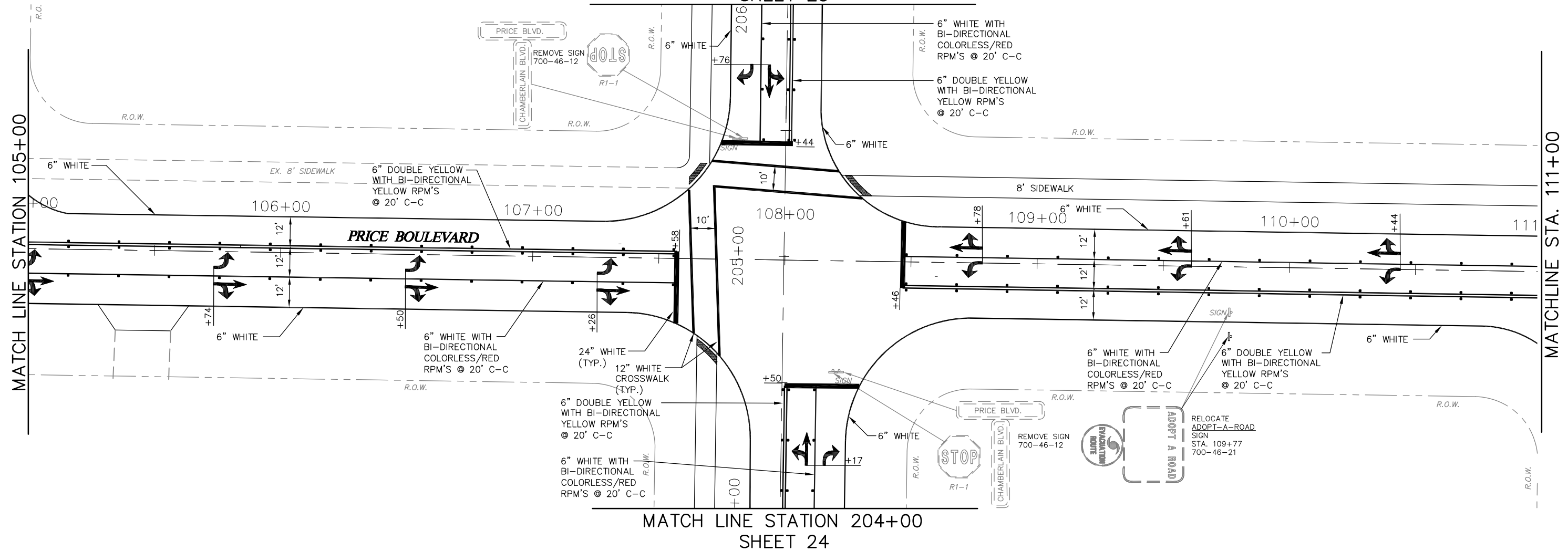
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AND SEALED BELOW :

RICHARD E. BRYLANSKI, P.E.
FLORIDA PROFESSIONAL ENGINEERING
REGISTRATION #42339
DATE _____

REFERENCE NO. SPAM	DRAWING NO.
PROJECT NO. 2006038	SHEET NO. 21



MATCH LINE STATION 206+00
SHEET 25



NOTE- HANDICAP TRUNCATED DOMES PER FDOT
STANDARD SPECIFICATIONS FOR ROAD & BRIDGE
CONSTRUCTION, SECTION 527 AND THE FDOT
STANDARD INDEX 304.

NUMBER	REVISIONS	DATE
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△		

PRICE BLVD/
CHAMBERLAIN BLVD
INTERSECTION IMPROVEMENTS

DESIGNED BY: MAC	DATE: 5/06
DRAWN BY: EDF	DATE: 5/06
CHECKED BY: WFG	DATE: 5/06
VERTICAL SCALE: NONE	HORIZONTAL SCALE: 1" = 40'



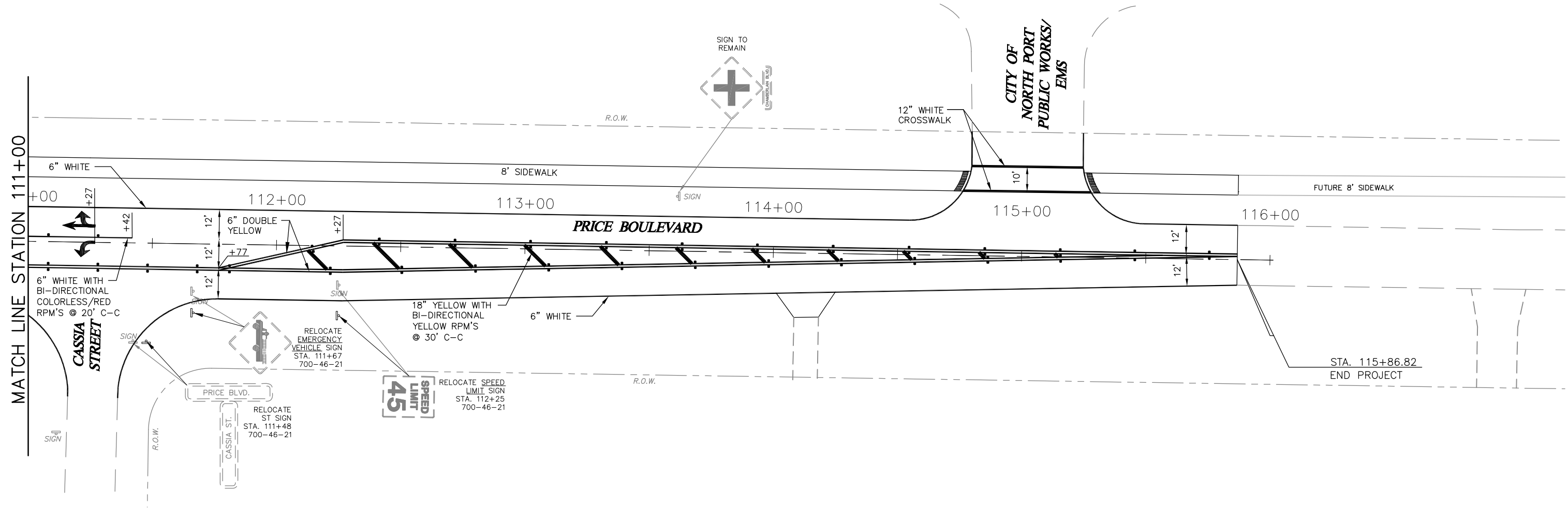
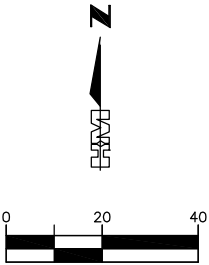
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Phone 1-941-412-3712
Florida Certificate of
Authorization No. 1772

SIGNING AND MARKING PLAN
PRICE BOULEVARD
STA. 105+00 TO 111+00

THESE DRAWINGS ARE NOT
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AND SEALED BELOW :

RICHARD E. BRYLANSKI, P.E.
FLORIDA PROFESSIONAL ENGINEERING
REGISTRATION #42339
DATE

REFERENCE NO. SPAM	DRAWING NO.
PROJECT NO. 2006038	SHEET NO. 22



NOTE- HANDICAP TRUNCATED DOMES PER FDOT
STANDARD SPECIFICATIONS FOR ROAD & BRIDGE
CONSTRUCTION, SECTION 527 AND THE FDOT
STANDARD INDEX 304.

NUMBER	REVISIONS	DATE
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PRICE BLVD/
CHAMBERLAIN BLVD
INTERSECTION IMPROVEMENTS

DESIGNED BY: MAC	DATE: 5/06
DRAWN BY: EDF	DATE: 5/06
CHECKED BY: WFG	DATE: 5/06
VERTICAL SCALE: NONE	HORIZONTAL SCALE: 1" = 40'



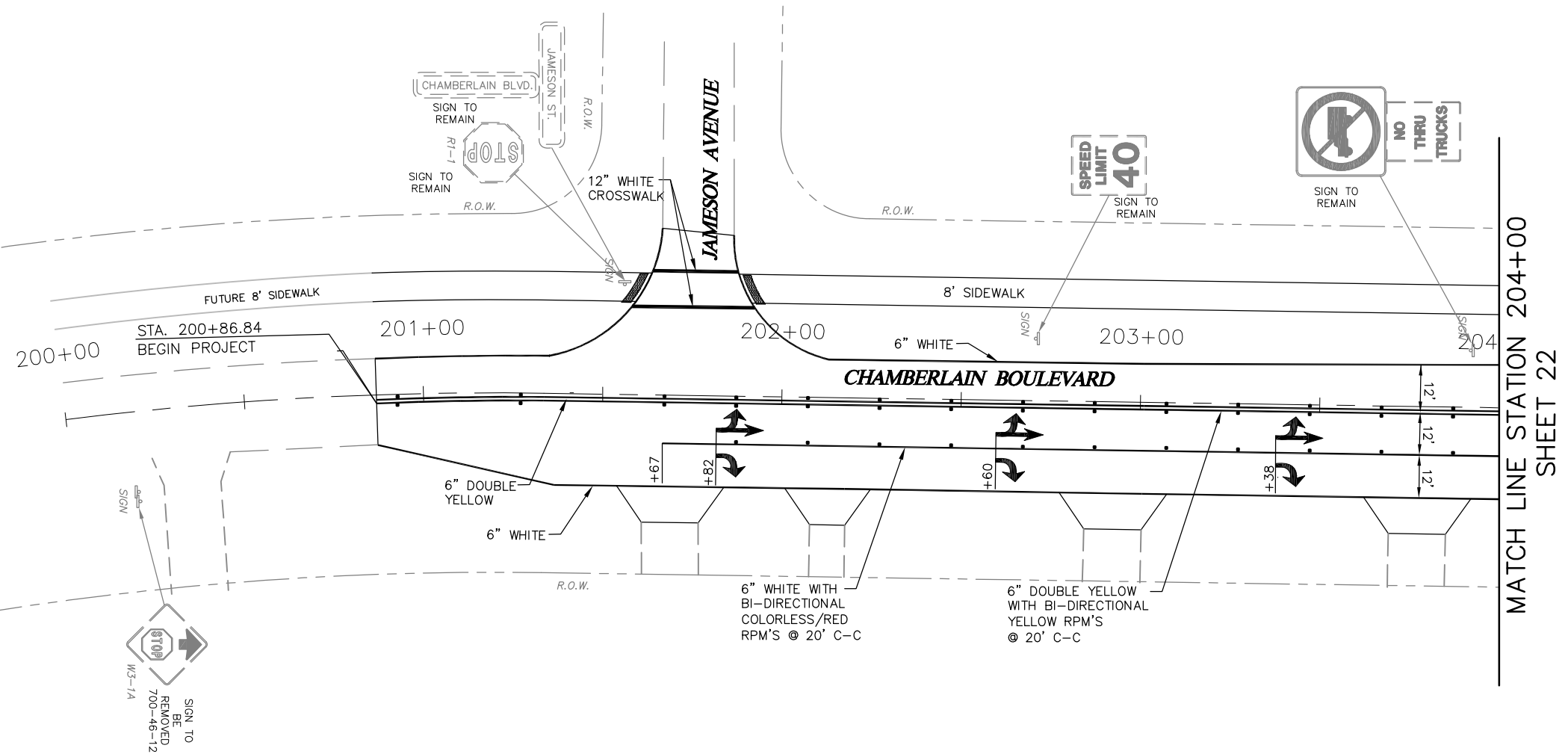
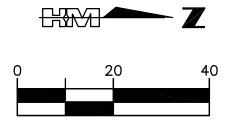
405 Commercial Court, Suite E
Venice, FL. 34292
Phone 1-941-412-3712
Florida Certificate of
Authorization No. 1772

SIGNING AND MARKING PLAN
PRICE BOULEVARD
STA. 111+00 TO 115+86.82

THESE DRAWINGS ARE NOT
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AND SEALED BELOW :

RICHARD E. BRYLANSKI, P.E.
FLORIDA PROFESSIONAL ENGINEERING
REGISTRATION #42339
DATE _____

REFERENCE NO. SPAM	DRAWING NO.
PROJECT NO. 2006038	SHEET NO. 23



NOTE- HANDICAP TRUNCATED DOMES PER FDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION, SECTION 527 AND THE FDOT STANDARD INDEX 304.

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NUMBER	REVISIONS	DATE

PRICE BLVD/
CHAMBERLAIN BLVD
INTERSECTION IMPROVEMENTS

DESIGNED BY: MAC	DATE: 5/06
DRAWN BY: EDF	DATE: 5/06
CHECKED BY: WFG	DATE: 5/06
VERTICAL SCALE: NONE	HORIZONTAL SCALE: 1" = 40'



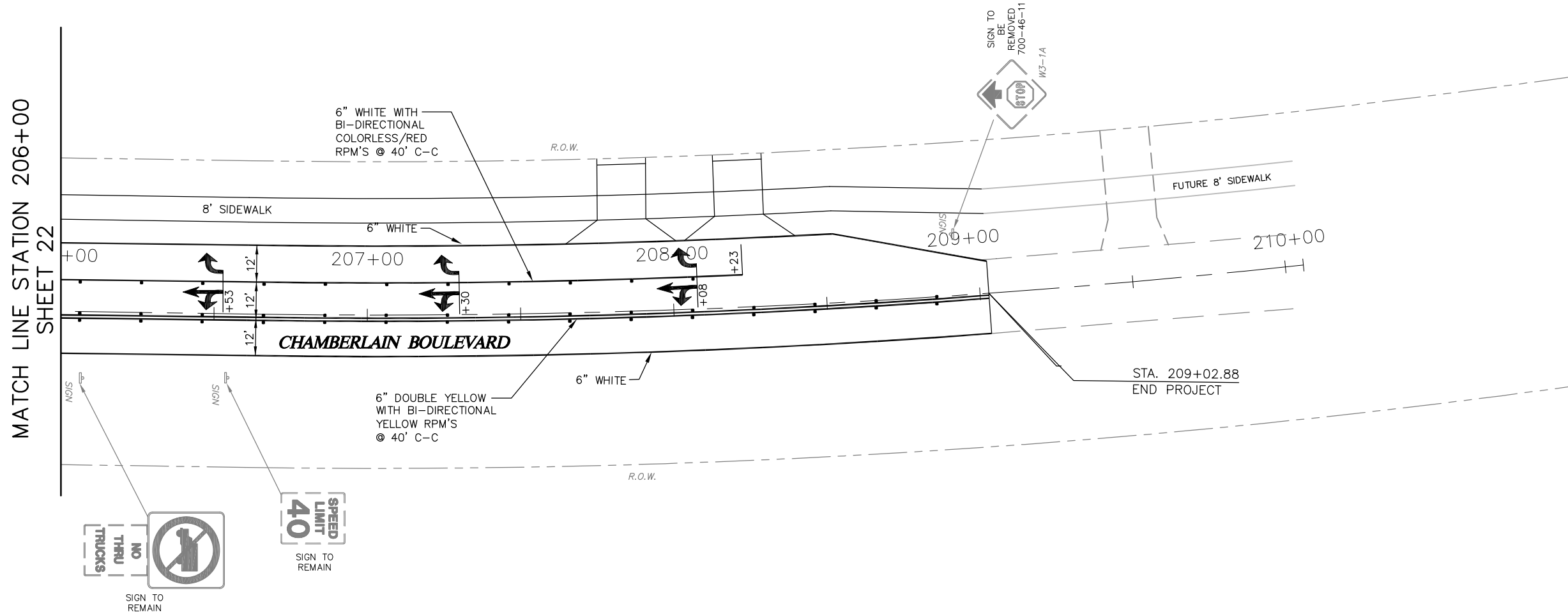
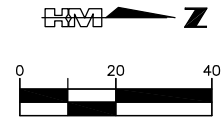
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Venice, FL. 34292
Phone 1-941-412-3712
Florida Certificate of
Authorization No. 1772

SIGNING AND MARKING PLAN
CHAMBERLAIN BOULEVARD
STA. 200+86.84 TO 204+00

THESE DRAWINGS ARE NOT
APPROVED UNLESS SIGNED
AND SEALED BELOW :

RICHARD E. BRYLANSKI, P.E.
FLORIDA PROFESSIONAL ENGINEERING
REGISTRATION #42339
DATE

REFERENCE NO. SPAM	DRAWING NO.
PROJECT NO. 2006038	SHEET NO. 24



NUMBER	REVISIONS	DATE
1		
2		
3		
4		

PRICE BLVD/
CHAMBERLAIN BLVD
INTERSECTION IMPROVEMENTS

DESIGNED BY: MAC	DATE: 5/06
DRAWN BY: EDF	DATE: 5/06
CHECKED BY: WFG	DATE: 5/06
VERTICAL SCALE: NONE	HORIZONTAL SCALE: 1" = 40'



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Venice, FL. 34292
Phone 1-941-412-3712
Florida Certificate of
Authorization No. 1772

SIGNING AND MARKING PLAN
CHAMBERLAIN BOULEVARD
STA. 206+00 TO 209+05.09

THESE DRAWINGS ARE NOT
APPROVED UNLESS SIGNED
AND SEALED BELOW :

RICHARD E. BRYLANSKI, P.E.
FLORIDA PROFESSIONAL ENGINEERING
REGISTRATION #42339
DATE _____

REFERENCE NO. SPAM	DRAWING NO.
PROJECT NO. 2006038	SHEET NO. 25

CONSTRUCTION PLANS

PRICE BLVD & CHAMBERLAIN BLVD
SIGNALIZATION PLANS

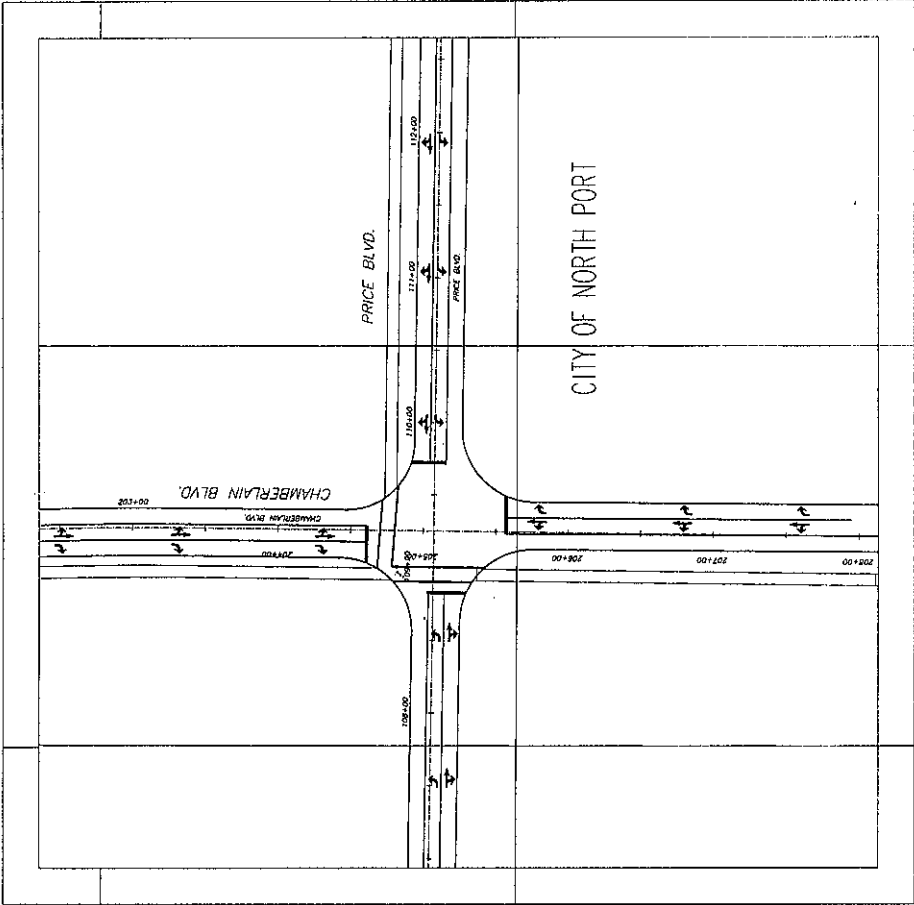
100 %
CITY OF NORTH PORT

INDEX OF SIGNAL PLANS

- T-1 KEY SHEET
- T-2 TABULATION OF QUANTITIES
- T-3 GENERAL NOTES
- T-4 SIGNALIZATION PLANS
- T-5 CONCRETE STRAIN POLE SCHEDULE
- T-6 MISCELLANEOUS DETAILS

NOTE:
CONTRACTOR SHALL COMPLY WITH THE SARASOTA COUNTY PUBLIC WORKS DEPARTMENT'S SPECIFICATIONS AND DETAILS FOR SIGNAL EQUIPMENT, SIGNS, PAVEMENT MARKINGS AND INSTALLATION PROCEDURES.

FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS DATED JANUARY 2006, AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2007, AS AMENDED BY CONTRACT DOCUMENTS



LOCATION MAP
N.T.S.

DATE	BY	REVISION DESCRIPTION

DATE	BY	REVISION DESCRIPTION

PROJ.	DATE:
PROJ. MGR.	
PROJ. DIR.	
APPROVED:	



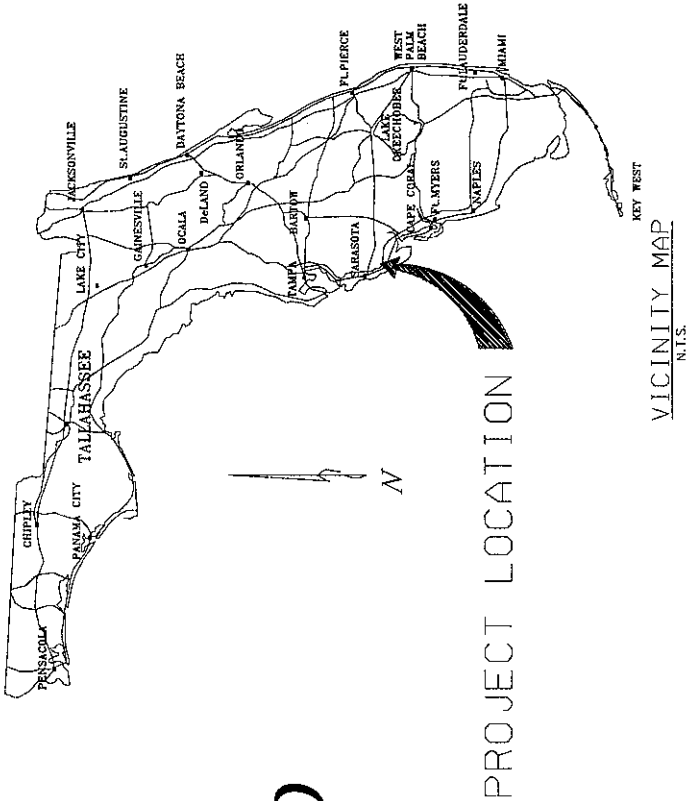
FTE, Inc.
8250 Pascal Drive, Suite 101
Punta Gorda, Florida 33950
Phone: (813) 393-4286
Fax: (813) 393-4288
Ravi V. Devaguptapu, P.E.
P.E. No.: 53150
Certificate of Authorization No.: 00007924

CITY OF NORTH PORT
DEPARTMENT OF ENGINEERING
4970 CITY HALL BLVD
North Port, Florida 34286

PRICE & CHAMBERLAIN BLVD
SIGNALIZATION
NORTH PORT, FLORIDA

KEY SHEET
PRICE & CHAMBERLAIN BLVD

SHEET
T-1



VICINITY MAP
N.T.S.

EXCEPT WHERE OTHERWISE INDICATED BY SPECIAL PROVISION, THE GOVERNING SPECIFICATIONS SHALL BE: STATE OF FLORIDA, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS, DATED 2006 AND SUPPLEMENTS THERETO IF NOTED IN THE SPECIAL PROVISIONS FOR THIS PROJECT.

PLANS PREPARED BY:
FTE
8250 PASCAL DR., SUITE 101
PUNTA GORDA, FL. 33950
VENDOR NO. 65-0183924



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


SIGNALIZATION PLANS
ENGINEER OF RECORD: RAVI DEVAGUPTAPU, PE, P.T.O.E.
P.E. NO. 53150

TABULATION OF QUANTITIES													
BID ITEM NO.	DESCRIPTION	SHEET NUMBERS										TOTAL THIS SHEET	GRAND TOTAL
		UNIT	T-4									ORIG.	FINAL
			ORIG.	FINAL									
102-1-1	MAINTENANCE OF TRAFFIC	LS	1									1	1
555-1-1	DIRECTIONAL BORE (LESS THAN 6")	LF	113									113	113
630-1-12	CONDUIT-SIGNALS (FURNISH & INSTALL) (UNDERGROUND) (PVC SCH 40) (SIZE 3")	LF	333									333	333
630-1-13	CONDUIT-SIGNALS (FURNISH & INSTALL) (UNDERPAVEMENT) (PVC SCH 40) (SIZE 3")	LF	392									392	392
632-7-1	CABLE - SIGNAL (FURNISH & INSTALL)	PI	1									1	1
634-4-112	SPAN WIRE ASSEMBLY (F&I) (TWO WIRE ASSEMBLY) (DIAGONAL)	PI	1									1	1
635-1-11	PULL AND JUNCTION BOXES (FURNISH & INSTALL) (PULL BOX)	EA	7									7	7
639-1-22	ELECTRICAL POWER SERVICE SIGNALS (UNDERGROUND) METER BASE (PURCHASED BY CONTRACTOR FROM FPL)	AS	1									1	1
641-17-44	PRESTRESSED CONCRETE POLES (F&I) TYPE N-VIII 44' STRAIN POLE	EA	1									1	1
641-17-46	PRESTRESSED CONCRETE POLES (F&I) TYPE N-VIII 46' STRAIN POLE	EA	1									1	1
641-41-112	PRESTRESSED CONCRETE POLE (FURNISH & INSTALL-DIRECT BURIAL (TYPE N-II SERVICE POLE) 12'	EA	1									1	1
650-51-311	TRAFFIC SIGNAL, (F&I) (3 SECTION-1 WAY) (STD) (LED)	AS	6									6	6
650-51-513	TRAFFIC SIGNAL, (F&I) (5 SECTION CLUSTER- 1 WAY) (LED)	AS	2									2	2
653-191	SIGNAL PEDESTRIAN (F&I) (LED-COUNTDOWN) 1 DIRECTION	AS	2									2	2
653-192	SIGNAL PEDESTRIAN (F&I) (LED-COUNTDOWN) 2 DIRECTIONS	AS	1									1	1
659-101	SIGNAL HEAD AUXILIARIES (F&I) (BACK PLATES, 3 SECTION)	EA	2									2	2
659-106	SIGNAL HEAD AUXILIARIES (F&I) (TUNNEL VISORS)	EA	28									28	28
659-107	SIGNAL HEAD AUXILIARIES (F&I) (ALUMINUM PEDESTAL)	EA	3									3	3
659-118	SIGNAL HEAD AUXILIARIES (F&I) (BACK PLATES, 5 SECTION)	EA	2									2	2
659-119	STROBE LIGHT FOR RED LIGHT INDICATION	EA	4									4	4
660-1-109	LOOP DETECTOR INDUCTIVE TYPE 9, 2CH, SS, RM	EA	8									8	8
660-2-102	LOOP ASSEMBLY (FURNISH & INSTALL) (TYPE B)	AS	2									2	2
660-2-106	LOOP ASSEMBLY (FURNISH & INSTALL) (TYPE F)	AS	6									6	6
665-13	PEDESTRIAN DETECTOR (F&I) (DETECTOR W/SIGN ONLY)	EA	4									4	4
670-5-110	TRAFFIC CONTROLLER ASSEMBLY (FURNISH & INSTALL) (NEMA)	AS	1									1	1
699-1-1	STREET NAME SIGN "A" & "B"	EA	4									4	4
700-46-12	STOP SIGN EXISTING (REMOVAL MULTII POST)	AS	2									2	2

DATE	BY	REVISION DESCRIPTION

DATE	BY	REVISION DESCRIPTION

PROJ.	DATE:
PROJ. MGR.	
PROJ. DIR.	
APPROVED:	



FTE Inc.
8250 Pascal Drive, Suite 101
Punta Gorda, Florida 33950
Phone: (813) 334-4851
Fax: (813) 334-4851
Ravi V. Devanagadan, P.E.
P.E. No. 53150
Certificate of Authorization No.: 00007924

CITY OF NORTH PORT
DEPARTMENT OF ENGINEERING
4970 CITY HALL BLVD
North Port, Florida 34286

PRICE & CHAMBERLAIN BLVD
SIGNALIZATION
NORTH PORT, FLORIDA

TABULATION OF QUANTITIES
PRICE & CHAMBERLAIN BLVD

GENERAL NOTES

1. THE CONTRACTOR SHALL NOTIFY ALL UTILITIES AT LEAST 48 HOURS IN ADVANCE OF THE ACTUAL BEGINNING OF UNDERGROUND CONSTRUCTION. ALL UTILITY CONFLICTS SHALL BE RESOLVED PRIOR TO THE SETTING OF THE SIGNAL POLES OR THE LAYING OF CONDUIT. SHOULD THE CONTRACTOR ENCOUNTER ANY UNIDENTIFIED UTILITIES DURING CONSTRUCTION, WORK IN THE AREA SHALL CEASE AND THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY SO THAT REMEDIAL ACTION CAN BE TAKEN.
2. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY COMPANY AT LEAST TWO WORKING DAYS IN ADVANCE OF POLE SETTING OPERATIONS WHERE CONFLICT WITH OVERHEAD ELECTRICAL CONDUCTORS IS EXPECTED. ALL SAFETY CLEARANCES TO PRIMARY ELECTRICAL LINE SHALL BE STRICTLY ADHERED TO.

THE FOLLOWING UTILITY CONTACT INFORMATION IS PROVIDED:

CITY OF NORTH PORT UTILITIES
P.O. BOX 7228
NORTH PORT, FL 34287
PHONE: (941)-426-9500
DARRELL SMITH
ELECTRIC:
FLORIDA POWER & LIGHT
2245 MURPHY COURT
NORTH PORT, FLORIDA 34289-4855
CONTACT: HAYES FUSH
(941) 423-4855

COMCAST CABLE OF WEST FLORIDA
5205 FRUITVILLE RD
SARASOTA, FL 34232
PHONE (941)-342-3591
ALAN DIGIOVANNI
TECO - PEOPLES GAS
8260 VICO CT
SARASOTA, FL 32420
PHONE: (941)-366-4277

VERIZON FLORIDA INC
146 ORANGE PLACE
MAITLAND, FL 32751
PHONE: (407)-539-2313
PAW COTE

3. ONE WEEK PRIOR TO THE BEGINNING OF THE TRAFFIC SIGNAL INSTALLATION, THE CONTRACTOR SHALL INFORM CATHY MILLER P.E., CITY ENGINEER AT (941) 429-7086.
4. THE TRAFFIC SIGNAL WILL BE MAINTAINED BY SARASOTA COUNTY TRAFFIC OPERATIONS. THE CONTRACTOR SHALL NOTIFY GENE RIGGS (941)-316-1149 WITH SARASOTA COUNTY TRAFFIC OPERATIONS AT LEAST 48 HOURS IN ADVANCE OF TURNING ON THE NEW TRAFFIC CONTROLLER CABINET ASSEMBLY.

5. AT THE TIME OF FINAL INSPECTION OF THE PROJECT, THE CONTRACTOR SHALL FURNISH THE ENGINEER TWO COMPLETE SETS OF AS-BUILT PLANS. THE CONTRACTOR SHALL ALSO FURNISH ONE COMPLETE SET OF AS-BUILT PLANS AND ALL APPLICABLE APPROVED SHOP DRAWINGS TO THE CITY OF NORTH PORT AND SARASOTA COUNTY TRAFFIC OPERATIONS.

6. WHEN A CONTRACTOR IS WORKING ON A SIGNAL AT AN INTERSECTION (INSTALLING CONDUIT IN THE STREET, INSTALLING NEW SIGNAL EQUIPMENT, INSTALLING LOOPS AND RUNS, AND TURNING ON-OFF NEW SIGNAL) WHERE A LANE IS CLOSED, AN OFF-DUTY LAW ENFORCEMENT OFFICER SHALL BE UTILIZED TO DIRECT TRAFFIC. THE PAYMENT FOR AN OFF-DUTY LAW ENFORCEMENT OFFICER SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR THE SIGNALIZATION INSTALLATION.

7. THE CONTRACTOR SHALL CONTACT THE ELECTRIC UTILITY FOR THEIR ASSISTANCE IN PERFORMING ALL NECESSARY WORK UNDER POWER LINES AT SIGNAL POLE(S), SUCH AS THE INSTALLATION OF SPAN WIRE, SIGNAL CABLE, FIBERGLASS INSULATORS, AND SIGNAL POLES.

8. THE CONTRACTOR SHALL MEET OR EXCEED THE CRITERIA OUTLINED IN "THE MINIMUM SPECIFICATIONS FOR TRAFFIC CONTROL SIGNALS AND DEVICES" AND ALL SARASOTA COUNTY TRAFFIC SIGNAL CONTROL STANDARDS AND SPECIFICATIONS.

9. THE LOCATIONS OF UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY; THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO DIGGING.

10. SIGNAL SHALL BE MAINTAINED BY THE SARASOTA COUNTY TRAFFIC OPERATIONS UPON FINAL ACCEPTANCE.

11. IT SHOULD BE NOTED THAT NO TEST BORINGS WERE MADE WHERE CONDUIT RUNS ARE TO BE INSTALLED BY DIRECTIONAL DRILLING OR TRENCHING.

12. ONE (1) 2" SPARE CABINET CONDUIT SHALL BE BROUGHT TO A PULL BOX, STUBBED AND CAPPED.

13. A NUMBER 14 AWG INSULATED PULL WIRE SHALL BE INSTALLED IN ALL CONDUITS WHICH ARE TO RECEIVE CABLE AT A FUTURE TIME. AT LEAST TWO FEET OF PULL WIRE SHALL BE ACCESSIBLE AT EACH CONDUIT TERMINATION AND SECURED WITHIN THE PULL BOX OR PLACE OF TERMINATION. PAYMENT FOR THE PULL WIRE IS INCIDENTAL TO THE CONDUIT.

14. ALL UNDERGROUND CONDUIT ENTRY HOLES ON SIGNAL POLES SHALL BE STUBBED OUT AND CAPPED A MINIMUM OF TWO FEET FROM POLE FOUNDATION.
15. AT LOCATIONS WHERE UNDERGROUND UTILITIES ARE IN CLOSE PROXIMITY TO THE SIGNAL POLE FOUNDATION OR CONDUIT RUN, AS DETERMINED BY THE ENGINEER, THE CONTRACTOR SHALL HAND DIG THE FIRST 48 INCHES FOR THE POLE FOUNDATION OR THE CONDUIT RUN.
16. ALL PULL BOXES SHALL BE A QUAZITE COMPOSITE TYPE MATERIAL.

17. A MANUAL PUSH BUTTON CORD SHALL BE FURNISHED IN ALL CONTROLLER CABINETS.

18. CABINET DOOR SHOULD OPEN TOWARD THE RIGHT OF WAY LINE AND AWAY FROM TRAFFIC.

19. BASE OF CONTROLLER CABINET SHALL BE 6" ABOVE THE CROWN OF THE ROAD.

20. WHEN INSTALLING GROUND WIRE IN CONTROLLER CABINETS, THE COPPER GROUND WIRE SHALL NOT COME IN CONTACT WITH THE ALUMINUM CABINET, EXCEPT AT TERMINATION POINT.

21. IF TIME CLOCK IS REQUIRED IN CABINET, CONTROLLER SHALL HAVE INTERNAL TIME BASE CONTROL (T.B.C.) MODULE.

22. THE LOAD BAY SHALL BE AN IN-HOUSE TYPE "V" CABINET. THE CABINET SHALL INCLUDE A FULL 8-PHASE OPERATION IN AN 8-QUAD LEFT TURN DUAL RING CONFIGURATION AND SHALL ACCOMMODATE A MINIMUM OF 12 LOAD SWITCH POSITIONS FOR EIGHT VEHICULAR PHASES AND FOUR PEDESTRIAN PHASES. IF A TWO-PHASE OPERATION IS REQUIRED, IT SHALL HAVE TWO VEHICULAR PHASES AND TWO PEDESTRIAN PHASES.

23. THE CONTROLLER SHALL BE COMPATIBLE WITH THE SARASOTA COUNTY ADVANCED TRANSPORTATION MANAGEMENT SYSTEM.

24. ALL FIELD WIRING, INCLUDING SIGNAL HEAD WIRING AND LEAD-INS, SHALL BE IDENTIFIED BY CLEARLY MARKED WEATHERPROOF TAGS. THE PROPOSED TAGGING SYSTEM SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) AND SARASOTA COUNTY STANDARD SPECIFICATIONS.

25. THE SIGNAL CONTRACTOR IS RESPONSIBLE TO SIZE ALL SIGNAL CABLES TO INSURE NO MORE THAN 5% VOLTAGE DROP AT THE END OF ANY CIRCUIT OCCURS. THIS IS REFERENCED TO THE LINE SIDE OF THE METER.

26. ALL SIGNAL HEADS EAST AND WEST SHALL HAVE BACK PLATES.

27. ALL SIGNAL HEADS SHALL HAVE TUNNEL VISORS.

28. SPAN WIRE ASSEMBLY SHALL INCLUDE THE COST OF SIZING ALL SPAN WIRE HARDWARE AND FITTINGS WITH SUFFICIENT STRENGTH TO RESIST BREAKING STRENGTH OF THE WIRE WHICH IS USED.

29. THE CONTRACTOR SHALL TURN ON THE TRAFFIC SIGNAL BETWEEN THE HOURS OF 9:00 A.M. MONDAY AND 3:00 P.M. OF THE FOLLOWING WEDNESDAY. THE SIGNAL SHALL FLASH AT LEAST FOR 48 HOURS BUT NOT MORE THAN 96 HOURS.

30. TRAFFIC CONTROL FOR THE PROJECT SHALL COMPLY WITH THE LATEST EDITION OF THE ROADWAY AND TRAFFIC DESIGN STANDARDS, MUTCD, AND THE FDOT STANDARD SPECIFICATIONS. THE CONTRACTOR MAY BE DIRECTED BY THE CITY ENGINEER TO DEVELOP AND IMPLEMENT MODIFICATIONS TO THE TRAFFIC SIGNAL OPERATIONS (I.E. TIMING AND PHASING) FOR SIGNALS LOCATED WITHIN THE PROJECT LIMITS. THE CONTRACTORS RESPONSE TIME TO ALL REPORTED MALFUNCTIONS OF THE TRAFFIC SIGNAL SHALL BE NO MORE THAN TWO (2) HOURS AND SHALL RESTORE ALL MALFUNCTIONS WITHIN TWENTY-FOUR (24) HOURS. DURING THIS TIME, THE CONTRACTOR SHALL PROVIDE, AT HIS EXPENSE, TEMPORARY TRAFFIC CONTROL DEVICES, FLAGGER PERSONNEL, AND LAW ENFORCEMENT PERSONNEL AS NECESSARY TO MAINTAIN A SAFE AND EFFICIENT FLOW OF TRAFFIC AT THE EFFECTED SIGNAL AND UN-SIGNALIZED INTERSECTIONS. THE ENGINEER SHALL APPROVE ALL MODIFICATIONS PRIOR TO THEIR IMPLEMENTATION.

31. CONTRACTOR TO INSTALL RED INDICATION BULB (I.F.R.B.) AT THE BOTTOM OF THE SIGNAL HEAD TO ASSIST TRAFFIC ENFORCEMENT PERSONNEL TO DETECT RED LIGHT VIOLATIONS. COORDINATION SHALL BE WITH THE SARASOTA COUNTY PUBLIC WORKS TRAFFIC OPERATIONS.

PAY ITEM NOTES

630-1-12, 630-1-14:

1. ALL CONDUIT RUNS SHOWN ON THE PLANS ARE SCHEMATIC AND FIELD ADJUSTMENTS MAY BE NECESSARY. WITH THE EXCEPTION OF ELECTRICAL POWER SERVICE DUCTS, JACK AND BORE SLEEVES AND DIRECTIONAL BORE CONDUITS, ALL UNDERGROUND AND UNDER PAVEMENT CONDUITS SHALL BE SCHEDULE 40 PVC WITH A MINIMUM SIZE OF TWO INCHES UNLESS OTHERWISE SPECIFIED IN THE PLANS. CONDUITS INSTALLED WITH THE DIRECTIONAL BORE METHOD SHALL BE HOPE WITH A MINIMUM SIZE OF 2 INCHES. TWO SEPARATE UNDERGROUND CONDUIT RUNS LOCATED 180 DEGREES APART ARE REQUIRED FOR ALL SIGNAL STRAIN POLES.

632-7-1:

2. EACH PHASE / MOVEMENT SHALL BE WIRED FROM THE SIGNAL DISPLAY TO THE CONTROLLER AS A SEPARATE PHASE / MOVEMENT; THIS INCLUDES THE PROTECTED OR PERMISSIVE LEFT TURN MOVEMENTS. THE CONTRACTOR SHALL VERIFY COLOR CODES FROM SIGNAL CABLE AND INTERCONNECT CABLE WITH THE SARASOTA COUNTY TRAFFIC SIGNAL SUPERVISOR BEFORE ORDERING THE WIRE. THE SIGNAL SHALL BE WIRED IN ACCORDANCE WITH THAT COLOR CODE AND FOOT SPECIFICATIONS. SIGNAL CABLE SHALL BE 14/7 I.M.S.A. 19-1 STRANDED (NO SPLICING ACCEPTED). THERE SHALL BE ONE NEUTRAL PER APPROACH. A SUFFICIENT LENGTH OF I.M.S.A. 50-2 AWG * 14 CABLE FOR ALL INTERNALLY ILLUMINATED SIGNS SHOWN IN THE PLANS SHALL ALSO BE INCLUDED IN THIS PAY ITEM.

639-1-22:

3. SHALL INCLUDE A MERCURY CONTACTOR AND ONE PHOTO CELL, ONE 50 AMP SINGLE POLE BREAKER FOR THE TRAFFIC SIGNAL CONTROLLER HOUSED IN A NEMA 3R ENCLOSURE MOUNTED ON THE TYPE N-11 CONCRETE SERVICE POLE AS SHOWN IN THE PLANS. ALSO INCLUDES ALL HARDWARE AS REQUIRED BY THE UTILITY COMPANY OR SARASOTA COUNTY TO PROVIDE FOR A WORKING SYSTEM AS SPECIFIED BY SARASOTA COUNTY TRAFFIC OPERATIONS. CONTRACTOR SHALL COORDINATE WITH HAYES FUSH OF FPL AT (941) 423-4855 FOR SERVICE FEED CONNECTION.

650-51-311 & 650-51-513:

4. ALL HEADS SHALL BE LED, AND THE PEDESTRIAN DISPLAYS SHALL BE FULL MAN AND FULL HAND.

653-131, 653-192:

5. CONTRACTOR SHALL COORDINATE WITH THE CITY OF NORTH PORT ENGINEERING TO DETERMINE IF AUDIBLE PEDESTRIAN SIGNALS ARE REQUIRED.

659-187:

6. SPUN ALUMINUM POLES FOR PEDESTALS SHALL BE MOUNTED ON TRANSFORMER BASE.

665-13:

7. SHALL INCLUDE ADDITIONAL COST OF LABOR AND MATERIALS REQUIRED FOR INSTALLATION OF PEDESTRIAN SIGNAL. THE SIGN SHALL CONTAIN INTERNATIONAL SYMBOLS, LED TYPE SOLID FILLED SIDE BY SIDE WITH DIFFUSER HEADS ONLY. ALL ATTACHING HARDWARE SHALL BE STAINLESS STEEL 304 OR 316.

670-5-110:

8. THE SLAB SHALL BE ONE UNIT. THE TECHNICIAN SERVICE SLAB SHALL BE A MAXIMUM OF 4 INCHES BELOW THE TOP OF THE CONCRETE PAD. THE CONTROLLER SHALL BE HOUSED IN A TYPE "V" CABINET. COST SHALL INCLUDE ALL LABOR, CONCRETE, AND OTHER MATERIALS FOR THE CONTROLLER BASE / PAD. THE CONTROLLER CABINET SHALL COME EQUIPPED WITH A MERCURY CONTRACTOR LOCATED INSIDE OF THE TRAFFIC SIGNAL CABINET CONTROLLED BY A PHOTO CELL ON AN ALUMINUM PANEL WITH AN ON/OFF/AUTO SWITCH FOR THE TECHNICIAN'S TESTING PURPOSE. THE CONTROLLER CABINET SHALL BE COMPATIBLE WITH THE EXISTING SARASOTA COUNTY CLOSED LOOP COMPUTER SYSTEM. ALL LABOR AND MATERIALS, INCLUDING THE INTERFACE PANEL AND LIGHTING ARRESTORS, NECESSARY FOR A COMPLETE AND ACCEPTABLE INSTALLATION SHALL BE INCLUDED IN THE PRICE FOR A CONTROLLER ASSEMBLY. THE CONTROLLER CABINET SHALL INCLUDE 1 ADDITIONAL SPARE CONDUIT (FOR A TOTAL OF 3 SPARES) IN THE CABINET. PAYMENT INCLUDES THE IMPLEMENTATION OF TIMINGS INTO ALL COMPONENTS. SIGNAL TIMING REQUEST SHOULD BE MADE TO SARASOTA COUNTY TRAFFIC OPERATIONS. (941) 316-1149. COST INCLUDES MAKING FIELD ADJUSTMENTS TO THE INITIAL TIMINGS AS CALLED FOR IN PLANS. TIMINGS SHALL BE ADJUSTED DURING THE PEAK HOURS BETWEEN 4 PM AND 6 PM, ON TUESDAY, WEDNESDAY, OR THURSDAY.

699-1-11:

9. INCLUDES ALL PIPES, BRACKETS, CLAMPS, NUTS, BOLTS, WIRE, CONNECTIONS IN THE SIGNAL CABINET, AND MISCELLANEOUS HARDWARE FOR THE CONTRACTOR TO FURNISH AND INSTALL THE INTERNALLY ILLUMINATED STREET NAME SIGNS TO BE LED & RIGIDLY MOUNTED TO THE STRAIN POLE.

48 HOURS BEFORE DIGGING
CALL SUNSHINE
TOLL FREE
1-800-432-4770

DATE	BY	REVISION DESCRIPTION

DATE	BY	REVISION DESCRIPTION

PROJ.	DATE:
PROJ. MGR.	
PROJ. DIR.	
APPROVED:	



FTE Inc.
8050 Pascal Drive, Suite 101
Punta Gorda, Florida 33550
Phone: (841) 639-2818
Fax: (841) 639-4818
Toll Free: 1-800-432-4770
P.E. No. 53150
Certificate of Authorization No.: 00007924

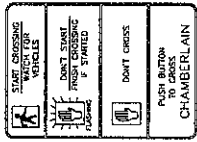
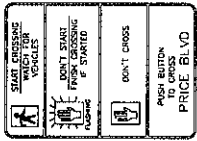
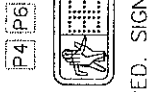
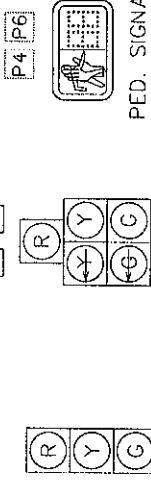
CITY OF NORTH PORT
DEPARTMENT OF ENGINEERING
4970 CITY HALL BLVD
North Port, Florida 34286

**PRICE & CHAMBERLAIN BLVD
SIGNALIZATION
NORTH PORT, FLORIDA**

GENERAL NOTES
PRICE & CHAMBERLAIN BLVD

**SHEET
T-3**

SIGNAL HEAD DETAIL



3 SEC. 1 WAY 5 SEC. 1 WAY 1 SEC. 1 WAY 1 SEC. 2-WAY LED
LED
2 AS
653-191
650-9-151
650-1-131

DETECTOR SIGNS DETECTOR SIGNS
R10-3n
2 EA
665-11
665-11

CONTROLLER OPERATION

- (A) FLASHING OPERATION IS TO BE YELLOW ON PRICE BLVD. AND RED ON CHAMBERLAIN BLVD.
- (B) THE MAIN STREET IS PRICE BLVD. PHASE 1 (MOVEMENTS 1, 2, 5 AND 6) THE SIDE STREET IS CHAMBERLAIN BLVD. PHASE 2 (MOVEMENTS 4, 8).
- (C) THE CONTROLLER AND CABINET SHALL BE COMPATIBLE WITH THE EXISTING SARASOTA COUNTY CLOSED LOOP COMPUTER SYSTEM. ALL LABOR & MATERIALS INCLUDING THE INTERFACE PANEL AND LIGHTING ARRESTORS, NECESSARY FOR A COMPLETE AND ACCEPTABLE INSTALLATION SHALL BE INCLUDED IN THE PRICE FOR CONTROLLER ASSEMBLY.
- (D) BASE OF CONTROLLER SHOULD BE 6" ABOVE THE CROWN OF THE ROAD.

NOTES

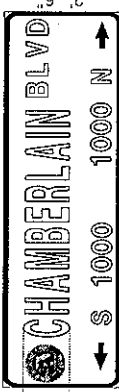
1. ALL LOOPS SHALL PERFORM AS MANUFACTURED BY NEVER-FAIL DURA-LOOP OR EQUAL AS APPROVED BY THE CITY ENGINEER'S REPRESENTATIVE.
2. DIRECTIONAL BORE CROSSINGS CONSIST OF 3 OR 4 CONDUIT RUNS: 1 SIGNAL, 1 COMMUNICATIONS, 1 SPARE & 1 ELECTRICAL SERVICE.
3. ALL PULL BOXES SHALL HAVE A CONCRETE PAD POURED AROUND IT AS DETAILED IN FOOT STANDARD DESIGN INDEX 17500, SHEET 2 OF 3.

CONTROLLER TIMINGS

MOVEMENT NO	1	2	4	5	6	8
MIN GRN (INT)	7	20	10	7	20	10
EXT (PASS)	3	3	3	3	3	3
YELLOW CLR	4.0	4.0	4.0	4.0	4.0	4.0
ALL RED CLR	2.0	2.0	2.0	2.0	2.0	2.0
PED WALK						
PED CLR						
MAX 1	20	40	30	20	40	30
MAX 2						
RECALL						
FLASH OPERATION	R	Y	R	R	Y	R

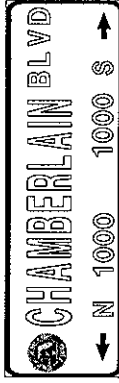
TIMINGS ARE INITIAL AND MAY REQUIRE FIELD ADJUSTING AS DIRECTED BY THE PROJECT ENGINEER. INSTALL SEQUENTIAL TIMING OF INITIAL AND EXTENSION INTERVALS.

WEST BOUND
6'-0"



699-1-1
SIGN "A"
1 EA

EAST BOUND
6'-0"



699-1-1
SIGN "B"
1 EA

NORTH BOUND
6'-0"



699-1-1
SIGN "C"
1 EA

SOUTH BOUND
6'-0"



699-1-1
SIGN "D"
1 EA

DETECTORS FOR LOOPS

LOOPS	NO. OF LOOPS	NO. OF CHANNEL DELTS.	NO. OF 1 CHANNEL DELTS.	NO. OF 2 CHANNEL DELTS.
L-2	2	1	1	0
L-4	2	2	1	1
L-6	2	1	1	0
L-8	2	2	2	0

NOTE: CONNECT ONLY ONE LOOP PER CHANNEL

ELECTRIC POWER ASSEMBLY INCLUDES:

CONDUIT
SERVICE WIRE
METERBASE (WHEN REQUIRED)
SERVICE DISCONNECT ASSEMBLY
TRANSIENT PROTECTION DEVICE
SERVICE POINT

1 AS 639-1-22

1 AS 639-1-22

1 AS 639-1-22

1 AS 639-1-22

1 AS 639-1-22

1 AS 639-1-22

1 AS 639-1-22

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COMPONENTS OF CONTRACT PLANS SET

ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS
SIGNALIZATION PLANS

A DETAILED INDEX APPEARS ON THE
KEY SHEET OF EACH COMPONENT

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2-3	TYPICAL SECTIONS
4-5	SUMMARY OF QUANTITIES
6	GENERAL NOTES
7-11	PLAN SHEETS
12	DRAINAGE DETAILS
13	SOIL BORINGS
14-22	ROADWAY CROSS SECTIONS
23-24	TRAFFIC CONTROL
25-26	SWPPP
27	UTILITY ADJUSTMENTS

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS DATED 2006, AND DIVISION II
AND III OF THE STANDARD SPECIFICATIONS FOR
ROAD AND BRIDGE CONSTRUCTION DATED 2007,
AS AMENDED BY CONTRACT DOCUMENTS.
* PROJECT LETTING DATE OF BEFORE JULY 1, 2008,
REFER TO FLORIDA DEPARTMENT OF TRANSPORTATION
"DESIGN STANDARDS", 2006.
* PROJECT LETTING DATE OF AFTER JULY 1, 2008,
REFER TO FLORIDA DEPARTMENT OF TRANSPORTATION
"DESIGN STANDARDS", 2008.
* ALL SIGNAL WORK SHALL REFER TO FLORIDA DEPARTMENT
OF TRANSPORTATION "DESIGN STANDARDS", 2008.
APPLICABLE DESIGN STANDARD MODIFICATIONS: 1-1-08

For Design Standard Modifications click on
"Design Standards" at the following web site:
<http://www.dot.state.fl.us/rddesign/>

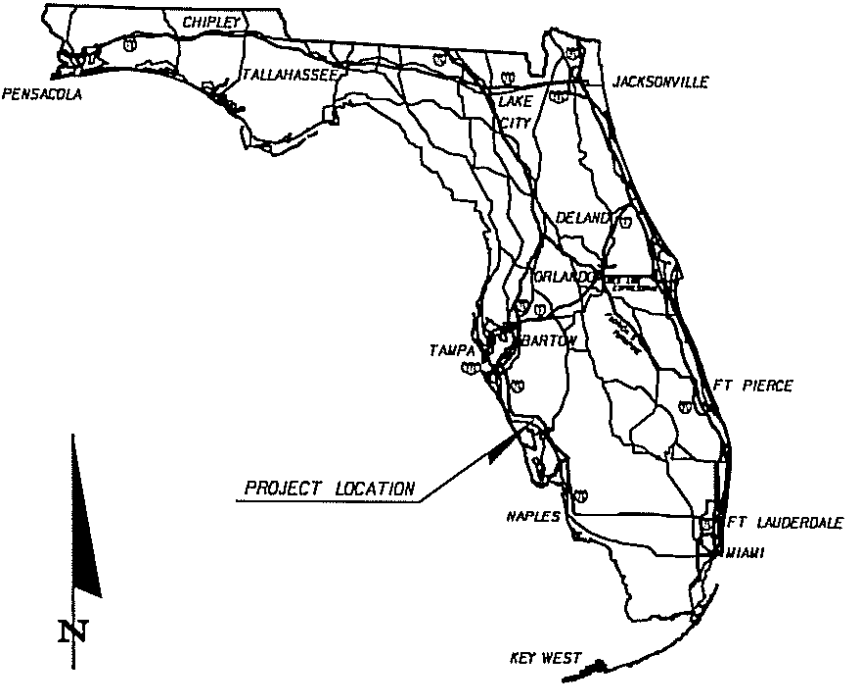
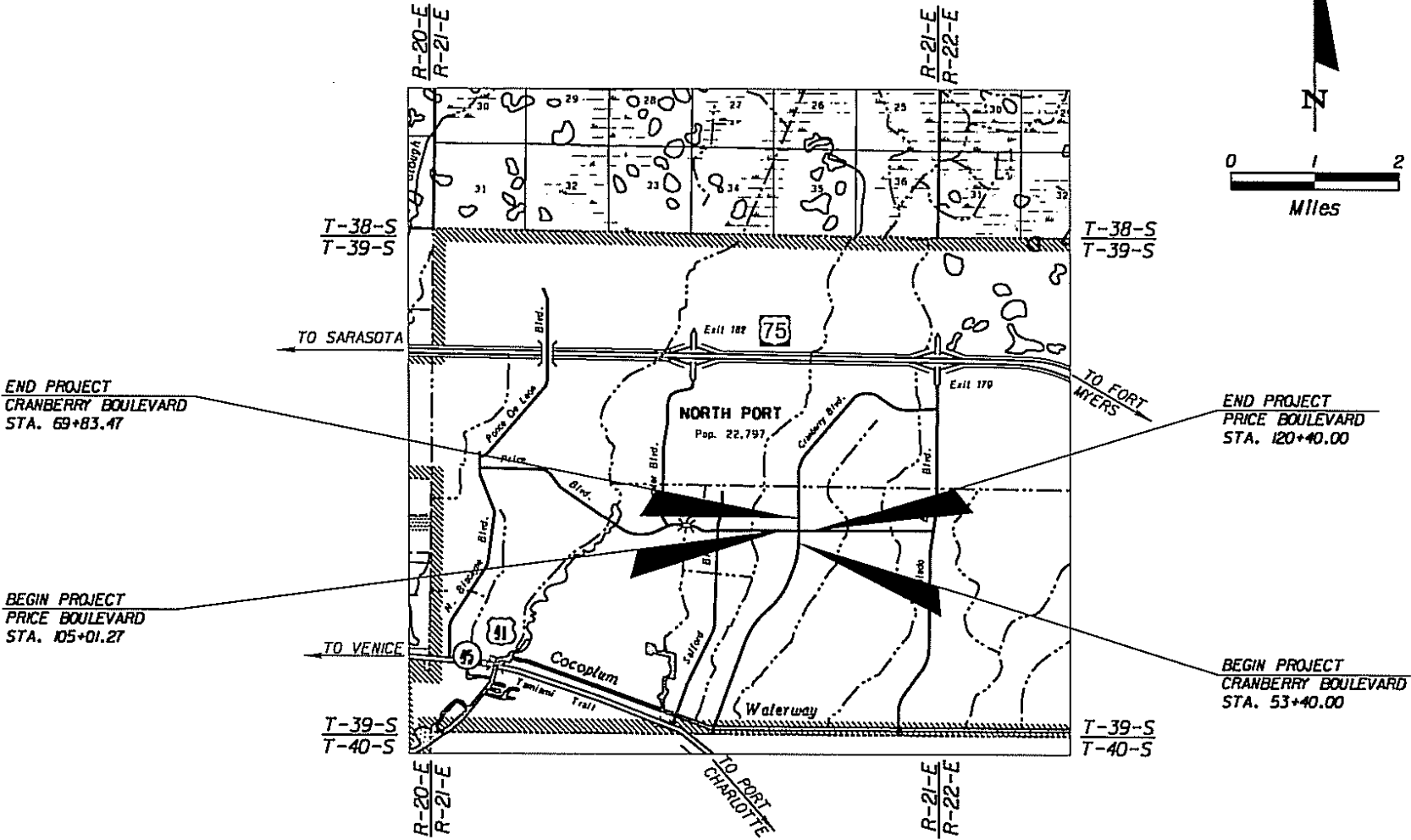
KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

FDOT LAP

CITY OF NORTH PORT

CONTRACT PLANS

PRICE BOULEVARD AND CRANBERRY BOULEVARD
INTERSECTION IMPROVEMENTS
FINANCIAL PROJECT ID 420877-1-58-01
CITY PROJECT # R06PCR



ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:
BRENT D. McMURTRIE, PE
2601 CATTLEMEN ROAD
SUITE 104
SARASOTA, FLORIDA 34232
(941) 343-0532
FAX (941) 343-0493

PLANS PREPARED BY:

AYRES
ASSOCIATES

2601 CATTLEMEN ROAD
SUITE 104
SARASOTA, FLORIDA 34232
(941) 343-0532
FAX (941) 343-0493
VENDOR ID NO. 39-0965082
CERTIFICATE OF AUTHORIZATION NO. 4356

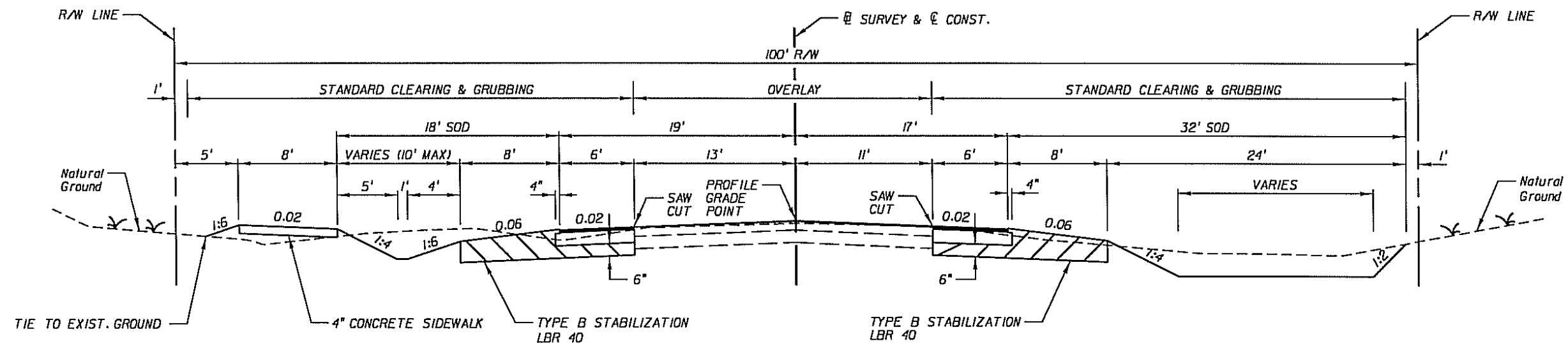
NOTE: THE SCALE OF THESE PLANS MAY
HAVE CHANGED DUE TO REPRODUCTION.

PROJECT LENGTH IS BASED ON 1/2 OF CONSTRUCTION		
LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	3167.73	0.600
BRIDGES		
NET LENGTH OF PROJECT	3167.73	0.600
EXCEPTIONS		
GROSS LENGTH OF PROJECT	3167.73	0.600

CITY OF NORTH PORT PROJECT MANAGER: BENJAMIN E. NEWMAN, PE

ROADWAY PLANS
ENGINEER OF RECORD: BRENT D. McMURTRIE, PE
PE NO. 65604

FISCAL YEAR	SHEET NO.
	1



**TYPICAL SECTION
PRICE BLVD.
STA. 105+01.27 TO STA. 120+40.00**

TRAFFIC DATA PRICE BLVD.

CURRENT YEAR = 2007 AADT = 13,746
 ESTIMATED OPENING YEAR = 2008 AADT = 14,400
 ESTIMATED DESIGN YEAR = 2023 AADT = 24,700
 K = 11% D = 5% T = 3.2% (24 HOUR)
 DESIGN HOUR T = 3.2%
 DESIGN SPEED = 50 MPH
 POSTED SPEED = 45 MPH

TRAFFIC DATA CRANBERRY BLVD.

CURRENT YEAR = 2007 AADT = 4,881
 ESTIMATED OPENING YEAR = 2008 AADT = 5,100
 ESTIMATED DESIGN YEAR = 2023 AADT = 8,700
 K = 11% D = 52% T = 3.5% (24 HOUR)
 DESIGN HOUR T = 3.5%
 DESIGN SPEED = 45 MPH
 POSTED SPEED = 40 MPH

PRICE BLVD AND CRANBERRY BLVD OVERLAY

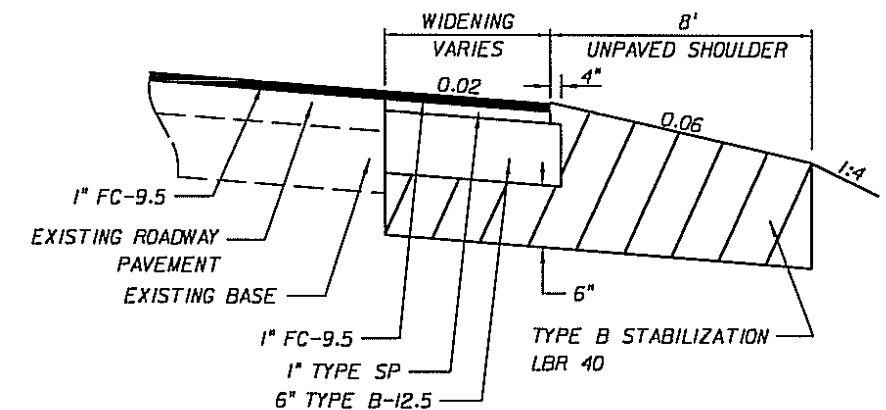
FRICTION COURSE FC-9.5 (1") (RUBBER)

PRICE BLVD AND CRANBERRY BLVD WIDENING

FRICTION COURSE FC-9.5 (1") (RUBBER) WITH
 TYPE SP 9.5 STRUCTURAL COURSE (TRAFFIC B) (1")
 AND 6" TYPE B-12.5

CRANBERRY BLVD. REHAB.

STA. 58+65 - 61+25 & STA. 65+53 - 66+35
 FRICTION COURSE FC-9.5 (1") (RUBBER) WITH
 TYPE SP 9.5 STRUCTURAL COURSE (TRAFFIC B) (1")
 AND 6" TYPE B-12.5



**WIDENING AND REHAB
DETAIL**

REVISIONS						CITY OF NORTH PORT		PRICE BOULEVARD AND CRANBERRY BOULEVARD TYPICAL SECTIONS	SHEET NO. 2
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				
						COUNTY	FINANCIAL PROJECT ID		
						SARASOTA	420877-1-58-01		

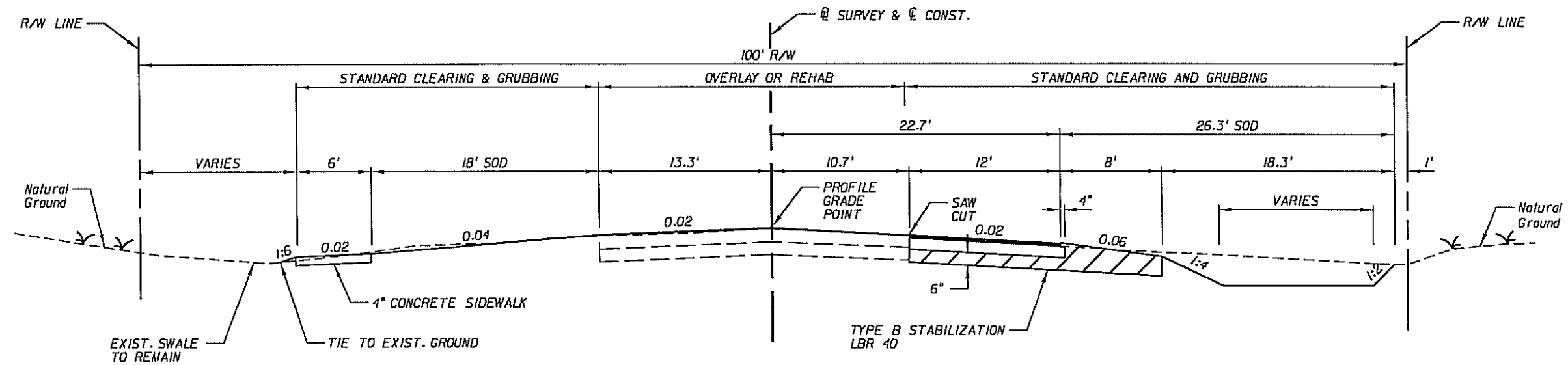
AYRES ASSOCIATES
 Engineers/Planners/Scientists
 2601 Collington Road, Suite 104
 Sarasota, Florida 34232
 Phone (941) 343-0532
 Fax (941) 343-0493
 Engineer Of Record - Brent D. McMurtre
 Registration Number - 66604
 Certificate of Authorization No. 4356

lyntsd

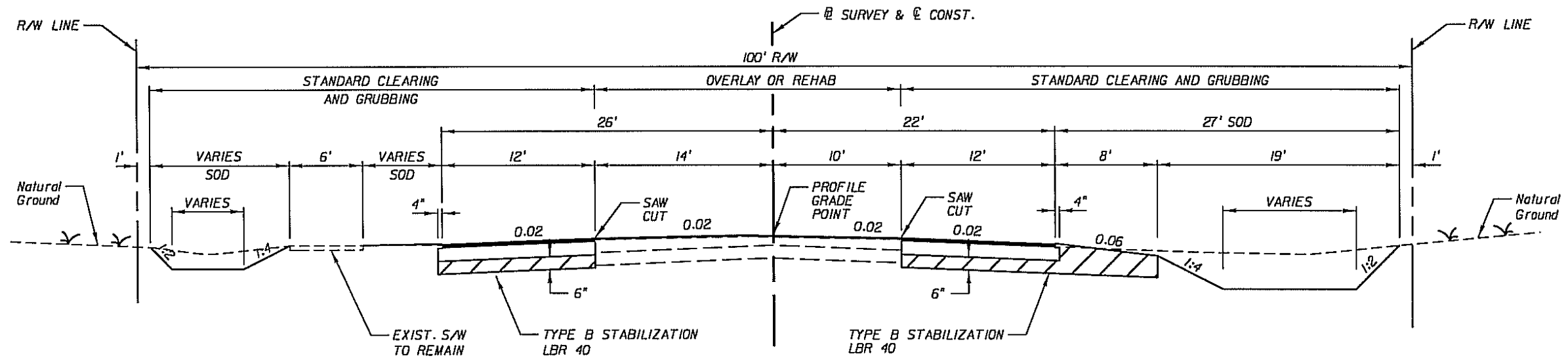
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TYPICAL SECTION
CRANBERRY BLVD.
STA. 53+40.00 TO STA. 61+80.00



TYPICAL SECTION
CRANBERRY BLVD.
STA. 61+80.00 TO STA. 69+83.47

REVISIONS						AYRES ASSOCIATES <small>Engineers/Planners/Scientists 2501 Collington Road, Suite 104 Sarasota, Florida 34232 Phone (941) 343-0532 Fax (941) 343-0493</small> Engineer Of Record - Brent D. McMurtrie <small>Registration Number - 66604 Certificate of Authorization No. 4356</small>	CITY OF NORTH PORT		PRICE BOULEVARD AND CRANBERRY BOULEVARD TYPICAL SECTIONS	SHEET NO. 3
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		COUNTY	FINANCIAL PROJECT ID		
							SARASOTA	420877-1-58-01		

lynisd

3/5/2008

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TABULATION OF QUANTITIES

[illegible]

REVISIONS						AYRES ASSOCIATES <small>Engineers/Planners/Scientists 2500 Callaghan Road, Suite 104 Sarasota, Florida 34232 Phone (941) 343-0532 Fax (941) 343-0493</small>	CITY OF NORTH PORT		PRICE BOULEVARD AND CRANBERRY BOULEVARD TABULATION OF QUANTITIES	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		COUNTY	FINANCIAL PROJECT ID		
							SARASOTA	420877-1-58-01		4

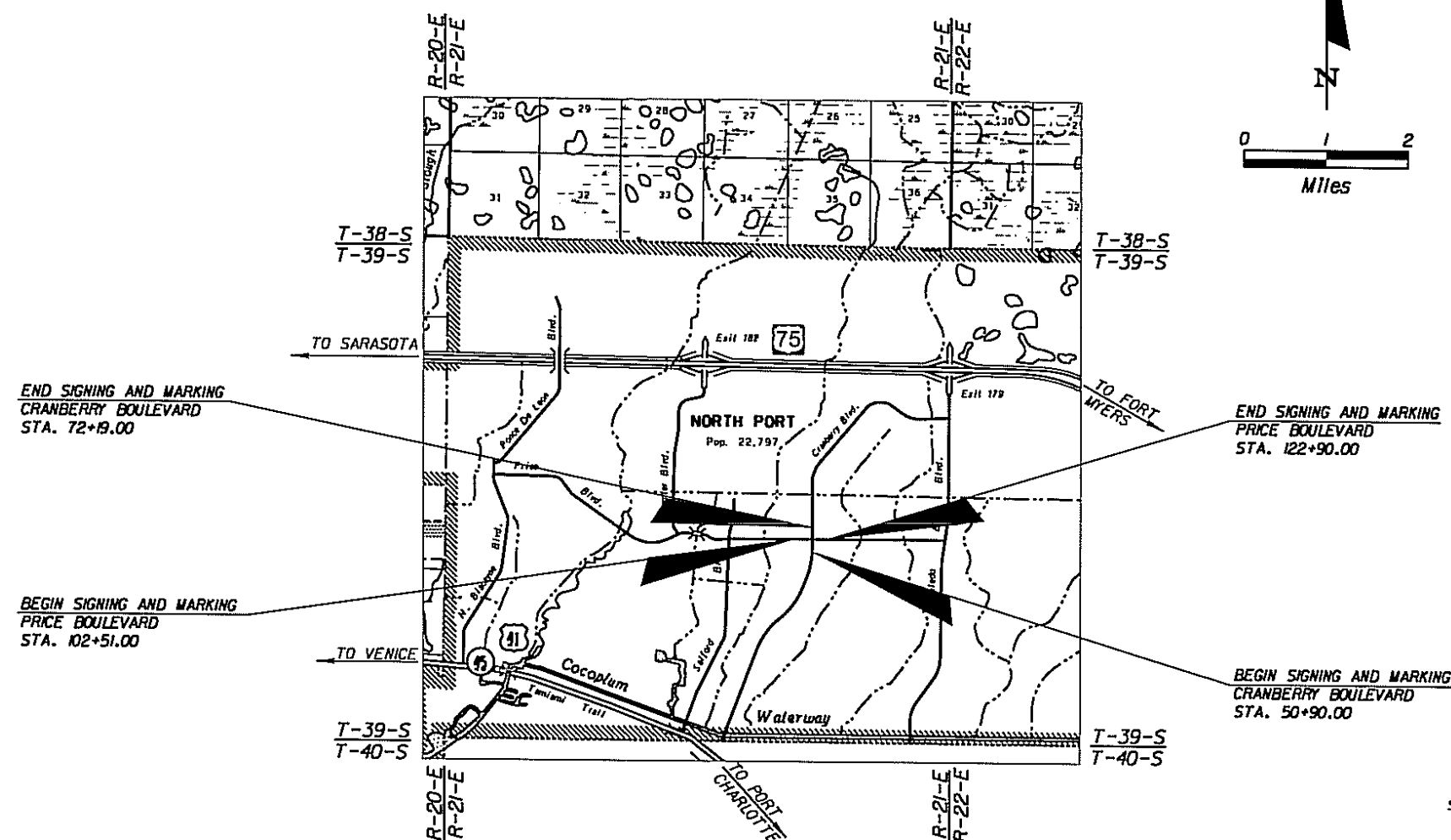
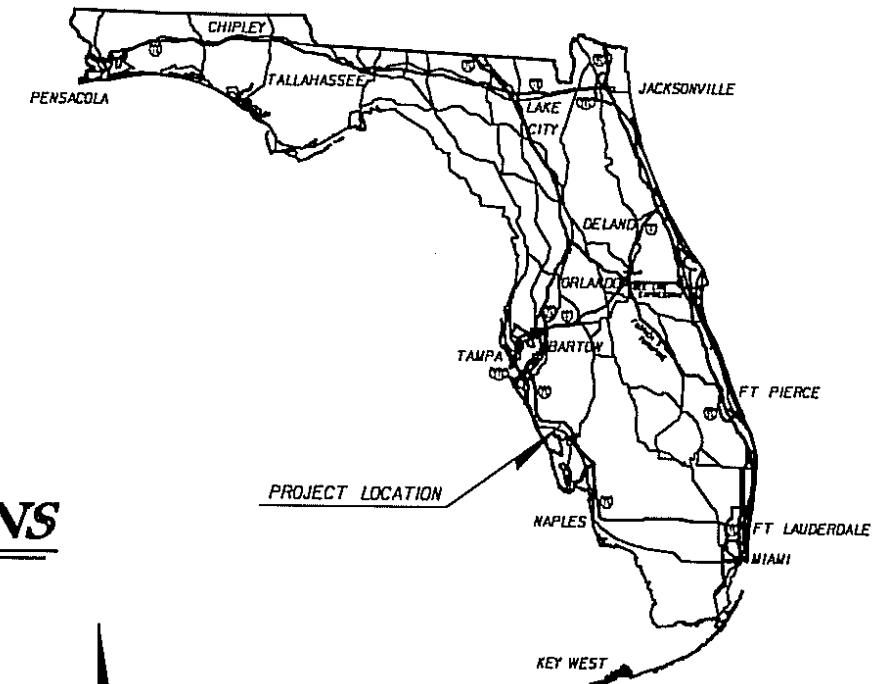
FDOT LAP
CITY OF NORTH PORT

CONTRACT PLANS
PRICE BOULEVARD AND CRANBERRY BOULEVARD
INTERSECTION IMPROVEMENTS

INDEX OF SIGNING AND PAVEMENT MARKING PLANS

SHEET NO.	SHEET DESCRIPTION
S-1	KEY SHEET
S-2	TABULATION OF QUANTITIES
S-3	GENERAL NOTES
S-4 TO S-8	PLAN SHEETS
S-9, S-10	GUIDESIGN WORKSHEETS

SIGNING AND PAVEMENT MARKING PLANS



ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:
BRENT D. McMURTRIE, PE
2601 CATTLEMEN ROAD
SUITE 104
SARASOTA, FLORIDA 34232
(941) 343-0532
FAX (941) 343-0493

PLANS PREPARED BY:

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(941) 343-0532
FAX (941) 343-0493
VENDOR ID NO. 39-095082
CERTIFICATE OF AUTHORIZATION NO. 4356

NOTE: THE SCALE OF THESE PLANS MAY
HAVE CHANGED DUE TO REPRODUCTION.

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

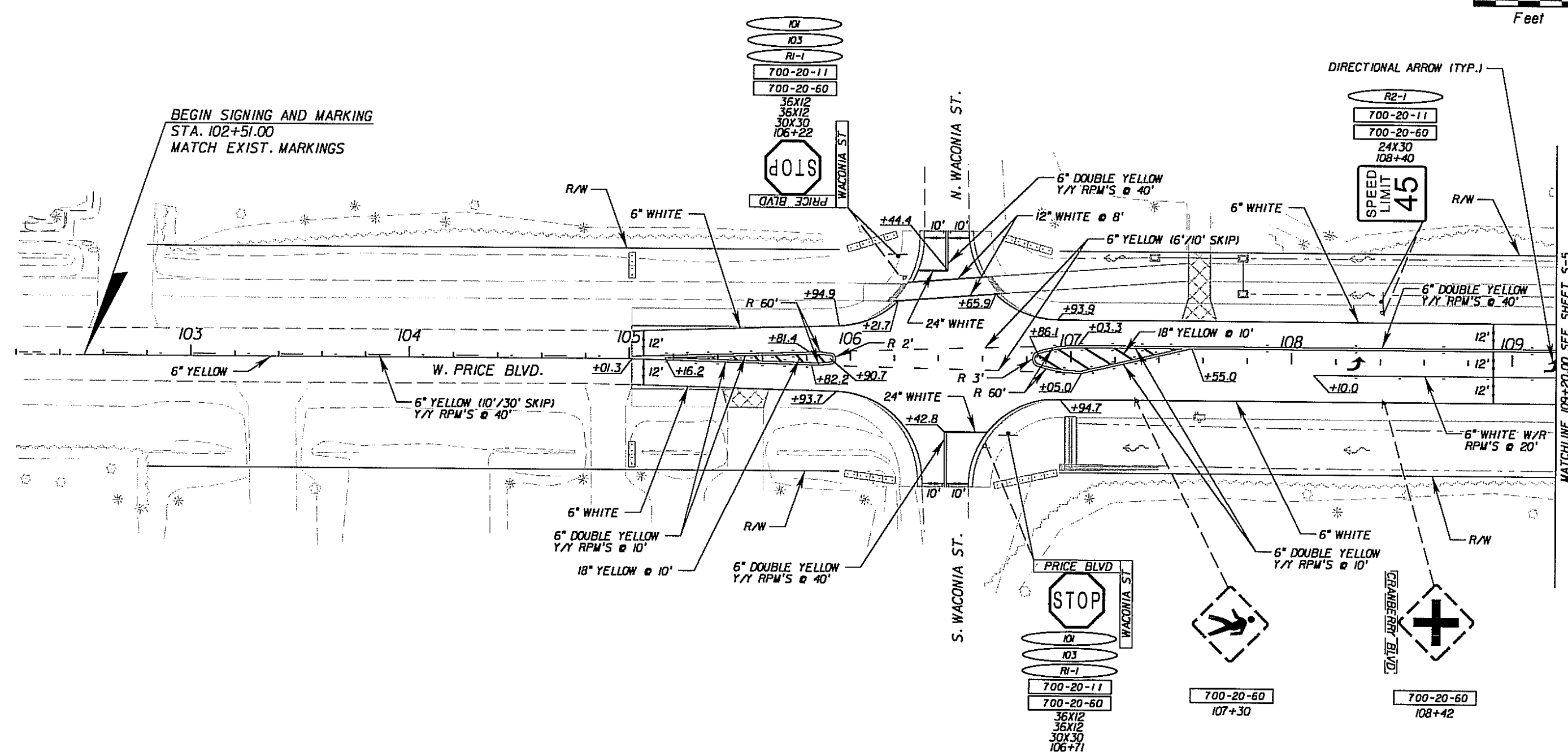
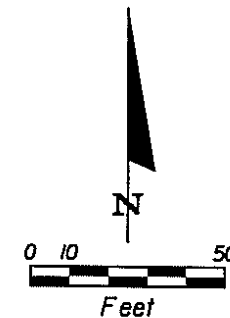
SIGNING AND PAVEMENT MARKINGS
ENGINEER OF RECORD: BRENT D. McMURTRIE, PE
PE NO. 66604

CITY OF NORTH PORT PROJECT MANAGER: BENJAMIN E. NEWMAN, PE

FISCAL YEAR	SHEET NO.
	S-1

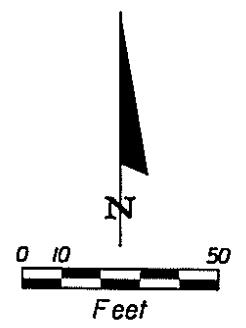
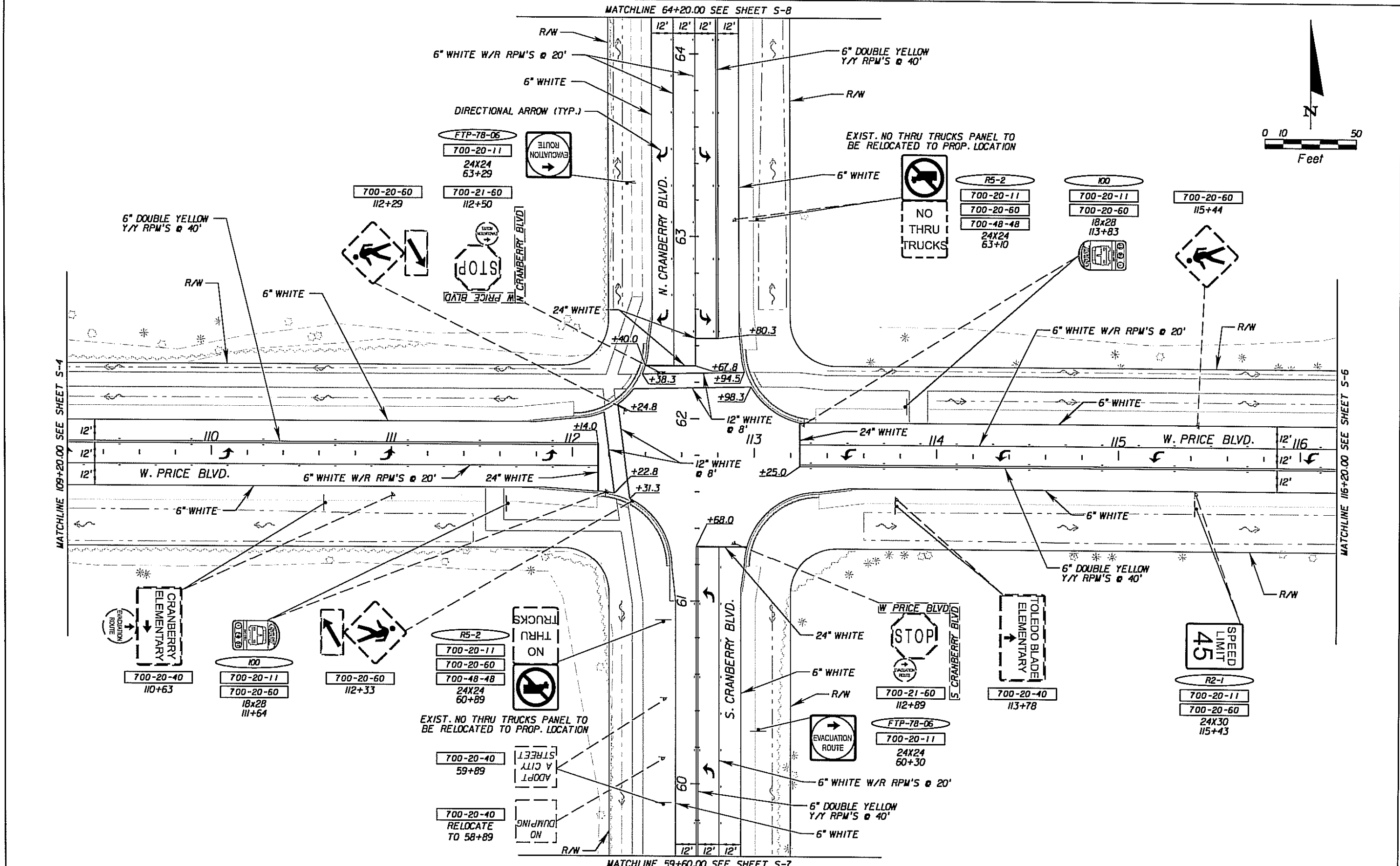
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REVISIONS						AYRES ASSOCIATES <small>Engineers/Planners/Scientists 2601 Callmen Road, Suite 104 Sarasota, Florida 34232 Phone (941) 343-0532 Fax (941) 343-0493</small>	CITY OF NORTH PORT		PRICE BOULEVARD AND CRANBERRY BOULEVARD TABULATION OF QUANTITIES	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION					
							SARASOTA	420877-1-58-01		S-2



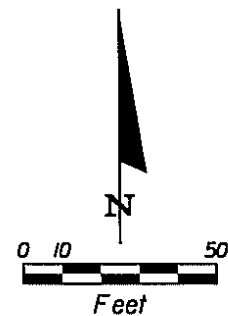
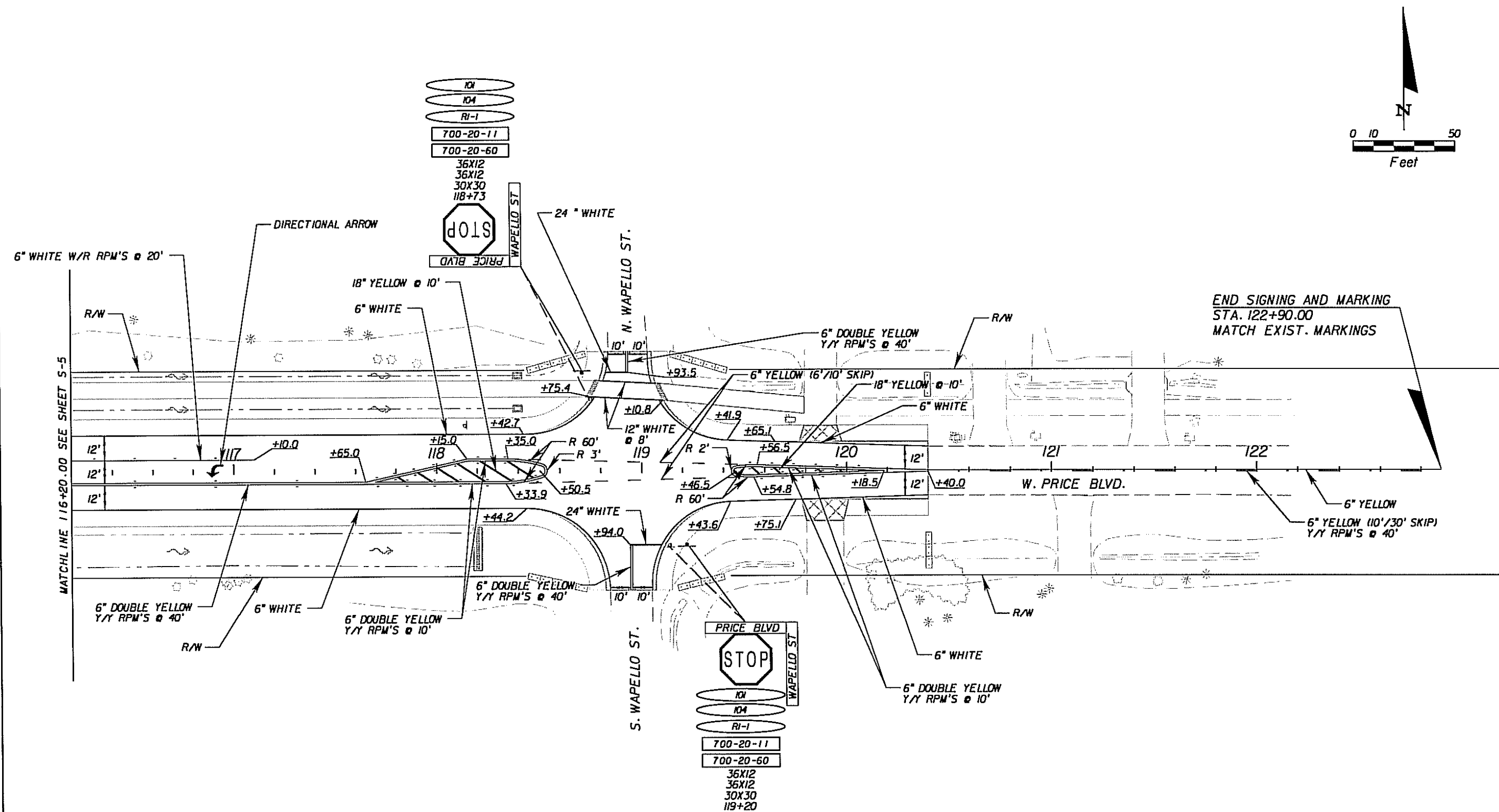
REVISIONS						AYRES ASSOCIATES Engineers/Planners/Scientists 2501 Callahan Road, Suite 104 Sarasota, Florida 34232 Phone (941) 343-0532 Fax (941) 343-0493 Engineer Of Record - Brent D. McMurtrie Registration Number - 66604 Certificate of Authorization No. 4356	CITY OF NORTH PORT		PRICE BOULEVARD AND CRANBERRY BOULEVARD SIGNING & PAVT. MARKING PLANS		SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		COUNTY	FINANCIAL PROJECT ID			S-4
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AVRES ASSOCIATES Engineers/Planners/Scientists 2601 Cattlemen Road, Suite 104 Sarasota, Florida 34232 Phone (941) 343-0532 Fax (941) 343-0493 Engineer Of Record - Brent D. McMurtre Registration Number - 66604 Certificate of Authorization No. 4356	CITY OF NORTH PORT		PRICE BOULEVARD AND CRANBERRY BOULEVARD SIGNING & PAVT. MARKING PLANS	SHEET NO. S-5
	COUNTY	FINANCIAL PROJECT ID		
	SARASOTA	420877-1-58-01		



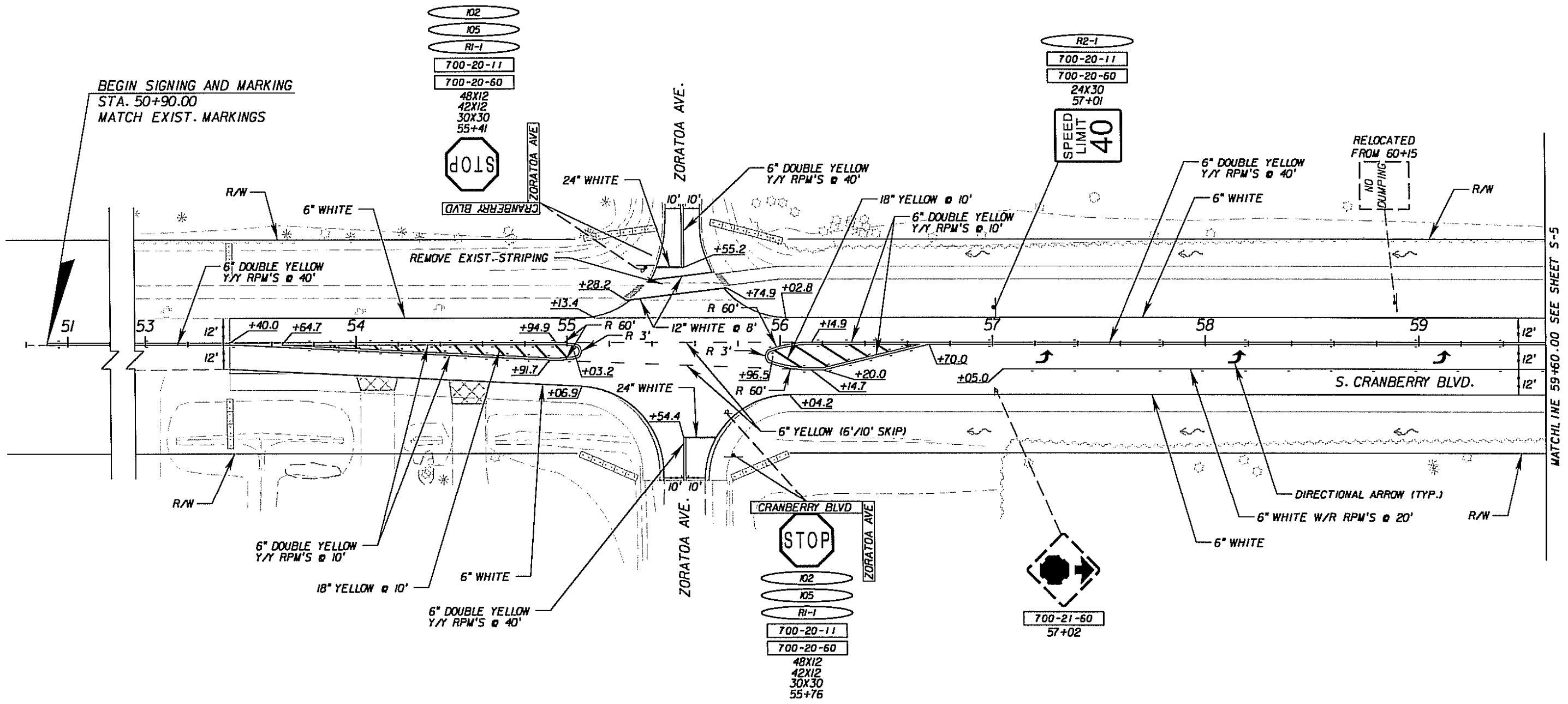
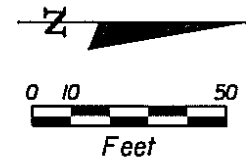
REVISIONS						AYRES ASSOCIATES <small>Engineers/Planners/Scientists 2501 Cattlemen Road, Suite 104 Sarasota, Florida 34232 Phone (941) 343-0532 Fax (941) 343-0493</small>	CITY OF NORTH PORT		PRICE BOULEVARD AND CRANBERRY BOULEVARD SIGNING & PAVT. MARKING PLANS	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		COUNTY	FINANCIAL PROJECT ID		S-6
					Engineer Of Record - Brent D. McMurtrie Registration Number - 66604 Certificate of Authorization No. 4356		SARASOTA	420877-1-58-01		

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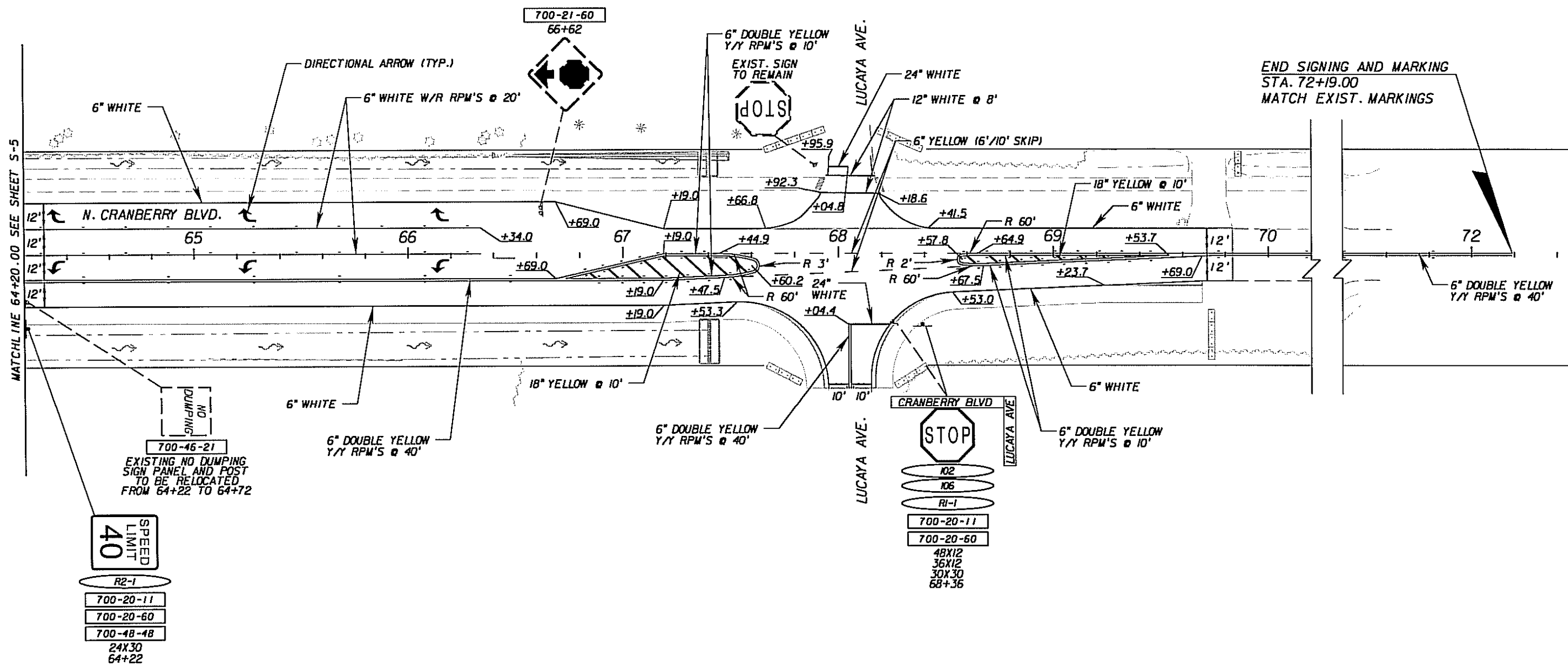
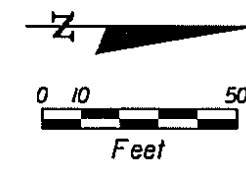
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CITY OF NORTH PORT	
COUNTY	FINANCIAL PROJECT ID
SARASOTA	420877-1-58-01

**PRICE BOULEVARD AND
CRANBERRY BOULEVARD
SIGNING & PAVT. MARKING PLANS**

SHEET NO.
S-7



REVISIONS						SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	

AYRES ASSOCIATES <small>Engineers/Planners/Scientists 2601 Callie Road, Suite 104 Sarasota, Florida 34232 Phone (941) 343-0532 Fax (941) 343-0493</small> <small>Engineer Of Record - Brent D. McMurtrie Registration Number - 66604 Certificate of Authorization No. 4356</small>	CITY OF NORTH PORT		PRICE BOULEVARD AND CRANBERRY BOULEVARD SIGNING & PAVT. MARKING PLANS
	COUNTY	FINANCIAL PROJECT ID	
	SARASOTA	420877-1-58-01	

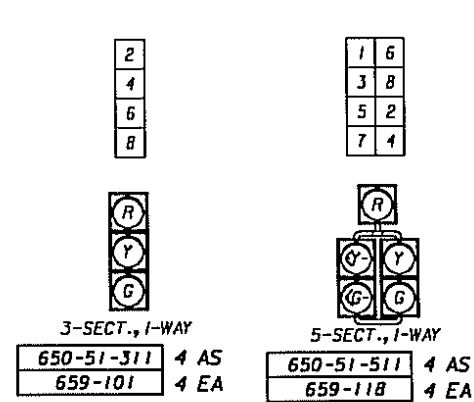
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TABULATION OF QUANTITIES

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<div style="text-align: center;"> REVISIONS </div>						<div style="text-align: center;"> AYRES ASSOCIATES </div> <div style="font-size: small;"> Engineers/Planners/Scientists 2601 Callahan Road, Suite 104 Sarasota, Florida 34232 Phone (941) 343-0532 Fax (941) 343-0493 </div>	<div style="text-align: center;"> CITY OF NORTH PORT </div>		<div style="text-align: center;"> PRICE BOULEVARD AND CRANBERRY BOULEVARD TABULATION OF QUANTITIES </div>	<div style="text-align: center;"> SHEET NO. </div>
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		COUNTY	FINANCIAL PROJECT ID		
							SARASOTA	420877-1-58-01		

1. ALL SIGNAL HEADS SHALL HAVE TUNNEL VISORS. 659-106 32 EA



1. MAJOR STREET IS PRICE BLVD. MOVEMENTS 2 AND 6.
2. MINOR STREET IS CRANBERRY BLVD. MOVEMENTS 4 AND 8.
3. USE SIGNAL OPERATION PLAN 4 CONFORMING TO INDEX NO. 17870 OF THE DESIGN STANDARDS.
4. EACH PHASE/MOVEMENT SHALL BE WIRED FROM THE SIGNAL DISPLAY TO THE CONTROLLER AS A SEPERATE PHASE/MOVEMENT THIS INCLUDES LEFT TURN MOVEMENTS. EACH LEFT TURN MOVEMENT SHALL HAVE CONDUCTORS AVAILABLE FOR PROTECTED AND PERMISSIVE OPERATION.
5. SIGNAL TIMINGS ARE INITIAL AND MAY REQUIRE FIELD ADJUSTMENT BY THE ENGINEER.

TIMING FUNCTION									
MOVEMENT NUMBER		1	2	3	4	5	6	7	8
TIMING FUNCTION	MINIMUM GREEN	20	20	12	12	20	20	12	12
	EXTENSION	2	5	2	2	2	5	2	2
	MAXIMUM GREEN 1	25	35	25	25	25	35	25	25
	MAXIMUM GREEN 2	25	35	25	25	25	35	25	25
	YELLOW CLEARANCE	3.5	4.5	3.5	4.0	3.5	4.5	3.5	4.0
	ALL RED	1	1	1	1	1	1	1	1
	PEDESTRIAN WALK		7						7
PED. CLEARANCE		15						13	
RECALL		MIN				MIN			

LOOP	NO. OF LOOPS	NO. OF NEW DETS.	NO. OF EXIST. DETS.	DELAY TIME (SEC)
L-2	1	1	0	0
L-4	1	1	0	0
L-5	1	1	0	0
L-6	1	1	0	0
L-7	1	1	0	0
L-8	1	1	0	0
L-8R	1	1	0	5

DETAIL OF CITY OF NORTH PORT SEAL
FOR USE ON ILLUMINATED SIGNS

FTP-69B-06

9"x15"

PUSH
BUTTON
TO
CROSS
IN
CHANGEBURY
BLVD

FTP-69B-06

9"x12"

PUSH
BUTTON
TO
CROSS
PRICE BLVD

632-7-1 IPI
660-1-109 9 EA
670-5-110 1 AS

BT

630-1-12 4 LF (1 RUN)

641-2-12 1 EA
639-3-11 1 EA
635-1-11 1 EA

630-1-12 6 LF (1 RUN)
630-1-12 10 LF (1 RUN)

POWER SOURCE
639-1-22 1 AS
639-2-1 60 LF

630-1-12 28 LF (1 RUN)

659-107 1 EA
665-13 1 EA
635-1-11 1 EA

330'

114

12

630-1-12 323 LF (1 RUN)
635-1-11 1 EA
660-2-102 1 AS

L-5

660-2-106 1 AS

641-2-18 1 EA

POLE 2 LOCATION
STA. 113+09.2, 37.3' LT
ELEV.: 22:09

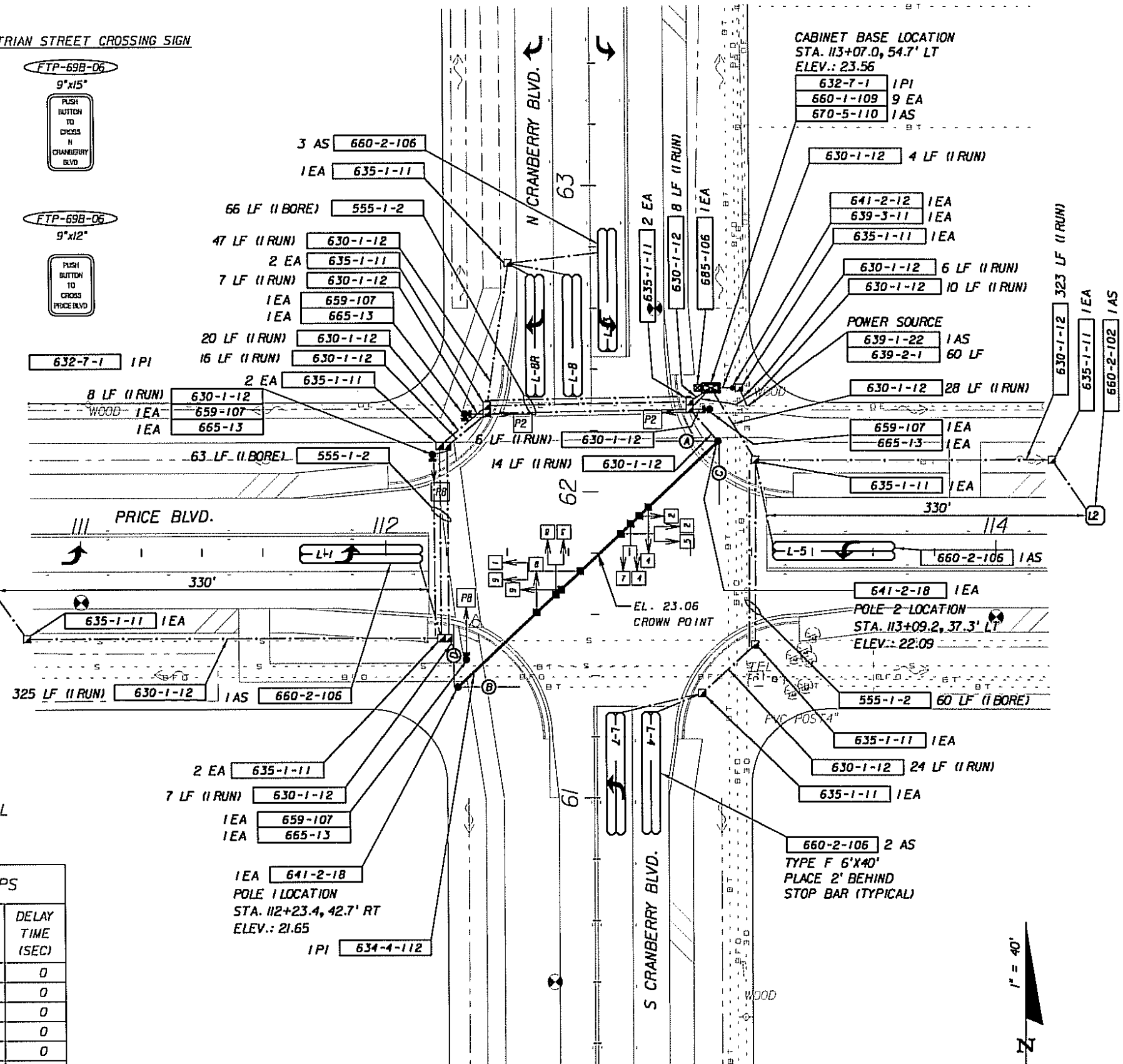
555-1-2 60 LF (1 BORE)

635-1-11 1 EA

630-1-12 24 LF (1 RUN)
635-1-11 1 EA

660-2-106 2 AS

TYPE F 6'X40'
PLACE 2' BEHIND
STOP BAR (TYPICAL)



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

AYRES
ASSOCIATES

Engineer Of Record - Troy B. Robillard
Registration Number - 59826
Certificate of Authorization No. 4356

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CITY OF NORTH PORT

COUNTY

SARASOTA

FINANCIAL PROJECT ID

420877-1-58-01

**PRICE BOULEVARD AND
CRANBERRY BOULEVARD
INTERSECTION IMPROVEMENT**

SHEET
NO.

T-4

ATTACHMENT D: 2018 MAINTENANCE REHABILITATION – Asphalt Specifications

**ATTACHMENT D: 2018 MAINTENANCE REHABILITATION – City of North Port
Asphalt Specifications**

ATTACHMENT D: 2018 - CITY OF NORTH PORT SUPERPAVE ASPHALT SPECIFICATION

SUPERPAVE ASPHALT FOR LAP (OFF-SYSTEM)

1 Description.

1.1 General: Construct a Superpave asphalt pavement (consisting of either Hot Mix Asphalt (HMA) or Warm Mix Asphalt (WMA)) based on the type of work specified in the Contract, Attachment F: Typical Sections, and the Asphalt Work Categories as defined below. Meet the applicable requirements for plants, equipment, and construction requirements as defined below. Use an asphalt mix, either HMA or WMA, which meets the requirements of this specification.

1.2 Asphalt Work Mix Categories: Construction of asphalt pavement will fall into one of the following work categories:

1.2.1 Asphalt Work Category 1: Includes the construction of shared use paths and miscellaneous asphalt.

1.2.2 Asphalt Work Category 2: Includes the construction of new asphalt turn lanes, paved shoulders and other non-mainline pavement locations.

1.2.3 Asphalt Work Category 3: Includes the construction of new mainline asphalt pavement lanes, milling and resurfacing.

1.3 Mix Types: Use the appropriate asphalt mix as shown in Table 1.

Table 1 Asphalt Mix Types			
Asphalt Work Category	Mix Types	Traffic Level	ESALs (millions)
1	Type SP-9.5	B	<0.3
2	Structural Mixes: Types SP-9.5 or SP-12.5 Friction Mixes: Types FC-9.5 or FC-12.5	C	0.3 to <3
3	Structural Mixes: Types SP-9.5 or SP-12.5 Friction Mixes: Types FC-9.5 or FC-12.5	C	≥3

A Type SP or FC mix one traffic level higher than the traffic level specified in the Contract may be substituted, at no additional cost (i.e. Traffic Level C may be substituted for Traffic Level B, etc.). Traffic levels are as defined in Section 334 of the Florida Department of Transportation's (FDOT's) Specifications.

1.4 Gradation Classification: The Superpave mixes are classified as fine and are defined in 3.2.2. The equivalent AASHTO nominal maximum aggregate size Superpave mixes are as follows:

Type SP-9.5, FC-9.5 9.5 mm

Type SP-12.5, FC-12.5 12.5 mm

1.5 Thickness: The total pavement thickness of the asphalt pavement will be based on a specified spread rate or plan thickness as shown in the Contract Documents. Before paving, propose a spread rate or thickness for each individual layer meeting the requirements of this specification, which when combined with other layers (as applicable) will equal the plan spread rate or thickness. When the total pavement thickness is specified as plan thickness, the plan thickness and individual layer thickness will be converted to spread rate using the following equation:

$$\text{Spread rate (lbs/yd}^2\text{)} = t \times G_{mm} \times 43.3$$

$$\text{Thickness (in.) } t = \text{Spread rate} / G_{mm} \times 43.3$$

where: t = Thickness (in.) (Plan thickness or individual layer thickness)

G_{mm} = Maximum specific gravity from the mix design (i.e. 2.42 @ 105#/SY)

ATTACHMENT D: 2018 - CITY OF NORTH PORT SUPERPAVE ASPHALT SPECIFICATION

For target purposes only, spread rate calculations shall be rounded to the nearest whole number.

1.5.1 Layer Thicknesses: Unless otherwise called for in the Contract Documents, the allowable layer thicknesses for asphalt mixtures are as follows:

Type SP-9.5, FC-9.5 3/4 to 1-1/2 inches

Type SP-12.5, FC-12.5 1-1/2 to 2-1/2 inches

1.5.2 Additional Requirements: The following requirements also apply to asphalt mixtures:

1. When construction includes the paving of adjacent shoulders (less than or equal to 5 feet wide), the layer thickness for the upper pavement layer and shoulder shall be the same and paved in a single pass, unless otherwise called for in the Contract Documents.

2. For overbuild layers, use the minimum and maximum layer thicknesses as specified above unless called for differently in the Contract Documents. On variable thickness overbuild layers, the minimum allowable thickness may be reduced by 1/2 inch, and the maximum allowable thickness will be as specified below, unless called for differently in the Contract Documents.

Type SP-9.5.....3/8 to 2 inches

Type SP-12.5.....1/2 to 3 inches

3. Variable thickness overbuild layers may be tapered to zero thickness provided the contract documents require a minimum of 1-1/2 inches of mix placed over the variable thickness overbuild layer.

1.6 Weight of Mixture: The weight of the mixture shall be determined as provided in 320 of the FDOT Standard Specifications dated 2017.

2 Materials.

2.1 Superpave Asphalt Binder: Unless specified elsewhere in the Contract or in 2.3.3, use a PG 67-22 asphalt binder from the FDOT's Approved Products List (APL). If the Contract calls for an alternative asphalt binder, meet the requirements of FDOT Specifications Section 336 or 916, as appropriate.

2.2 Aggregate: Use aggregate capable of producing a quality pavement.

For Type FC mixes, use an aggregate blend that consists of crushed granite, crushed Oolitic limestone, other crushed materials (as approved by FDOT for friction courses per Rule 14-103.005, Florida Administrative Code), or a combination of the above. Crushed limestone from the Oolitic formation may be used if it contains a minimum of 12% silica material as determined by FDOT Test Method FM 5-510 and FDOT grants approval of the source prior to its use. As an exception, mixes that contain a minimum of 60% crushed granite may either contain:

1. Up to 40% fine aggregate from other sources; or,
2. A combination of up to 20% RAP and the remaining fine aggregate from other

sources.

A list of aggregates approved for use in friction courses may be available on the FDOT's State Materials Office website. The URL for obtaining this information, if available, is:
<ftp://ftp.dot.state.fl.us/fdot/smo/website/sources/frictioncourse.pdf>.

2.3 Reclaimed Asphalt Pavement (RAP) Material:

2.3.1 General requirements: RAP may be used as a component of the asphalt mixture, provided the RAP meets the following requirements:

1. When using a PG 76-22 (PMA), or PG 76-22 (ARB) asphalt binder, limit the amount of RAP material used in the mix to a maximum of 20% by weight of total aggregate. As an exception, amounts greater than 20% RAP by weight of total aggregate can be used if no more than 20% by weight of total asphalt binder comes from the RAP material.

ATTACHMENT D: 2018 - CITY OF NORTH PORT SUPERPAVE ASPHALT SPECIFICATION

2. Provide stockpiled RAP material that is reasonably consistent in characteristics and contains no aggregate particles which are soft or conglomerates of fines.

3. Provide RAP material having a minimum average asphalt binder content of 4.0% by weight of RAP. As an exception, when using fractionated RAP, the minimum average asphalt binder content for the coarse portion of the RAP shall be 2.5% by weight of the coarse portion of the RAP. The coarse portion of the RAP shall be the portion of the RAP retained on the No. 4 sieve. The Engineer may sample the stockpile to verify that this requirement is met.

4. Use a grizzly or grid over the RAP cold bin, in-line roller crusher, screen, or other suitable means to prevent oversized RAP material from showing up in the completed recycle mixture. If oversized RAP material appears in the completed recycle mix, take the appropriate corrective action immediately. If the appropriate corrective actions are not immediately taken stop plant operations.

2.3.2 Material Characterization: Assume responsibility for establishing the asphalt binder content, gradation, and bulk specific gravity (G_{sb}) of the RAP material based on a representative sampling of the material.

2.3.3 Asphalt Binder for Mixes with RAP: Select the appropriate asphalt binder grade based on Table 2. The Engineer reserves the right to change the asphalt binder type and grade during production based on characteristics of the RAP asphalt binder.

Table 2 Asphalt Binder Grade for Mixes Containing RAP	
Percent RAP	Asphalt Binder Grade
0 - 15	PG 67-22
16 – 30	PG 58-22
> 30	PG 52-28

3 Composition of Mixture.

3.1 General: Compose the asphalt mixture using a combination of aggregates, mineral filler, if required, and asphalt binder material. Size, grade and combine the aggregate fractions to meet the grading and physical properties of the mix design. Aggregates from various sources may be combined.

3.2 Mix Design:

3.2.1 General: Design the asphalt mixture in accordance with AASHTO R 35-12, except as noted herein. Submit the proposed mix design with supporting test data indicating compliance with all mix design criteria to the Engineer. Prior to the production of any asphalt mixture, obtain the Engineer's conditional approval of the mix design. If required by the Engineer, send representative samples of all component materials, including asphalt binder to a laboratory designated by the Engineer for verification. As an exception to these requirements, use a currently approved FDOT Mix Design.

Warm mix technologies (additives, foaming techniques, etc.) listed on the Department's website may be used in the production of the mix. The URL for obtaining this information is: <http://www.dot.state.fl.us/statematerialsoffice/quality/programs/warmmixasphalt/index.shtm>.

The Engineer will consider any marked variations from original test data for a mix design or any evidence of inadequate field performance of a mix design as sufficient evidence that the properties of the mix design have changed, and at his discretion, the Engineer may no longer allow the use of the mix design.

3.2.2 Mixture Gradation Requirements: Combine the aggregates in proportions that will produce an asphalt mixture meeting all of the requirements defined in this specification and conform to the gradation requirements at design as defined in AASHTO M 323-12, Table 3. Aggregates from various sources may be combined.

ATTACHMENT D: 2018 - CITY OF NORTH PORT SUPERPAVE ASPHALT SPECIFICATION

3.2.2.1 Mixture Gradation Classification: Plot the combined mixture gradation on an FHWA 0.45 Power Gradation Chart. Include the Control Points from AASHTO M323-12, Table-3, as well as the Primary Control Sieve (PCS) Control Point from AASHTO M323-12, Table 4. Fine mixes are defined as having a gradation that passes above or through the primary control sieve control point.

3.2.3 Gyrotory Compaction: Compact the design mixture in accordance with AASHTO T312-12, with the following exceptions: use the number of gyrations at N_{design} as designed in Table 3.

Table 3 Gyrotory Compaction Requirements	
Traffic Level	N_{design} Number of Gyrations
A	50
B	65
C	75

3.2.4 Design Criteria: Meet the requirements for nominal maximum aggregate size as defined in AASHTO M323-12, as well as for relative density, VMA, VFA, and dust-to-binder ratio as specified in AASHTO M323-12, Table 6. N_{initial} and N_{maximum} requirements are not applicable.

3.2.5 Moisture Susceptibility: Test 4 inch specimens in accordance with FDOT Test Method FM 1-T 283. Provide a mixture having a retained tensile strength ratio of at least 0.80 and a minimum tensile strength (unconditioned) of 100 pounds per square inch. If necessary, add a liquid anti-stripping agent from the FDOT's APL or hydrated lime in order to meet these criteria.

In lieu of moisture susceptibility testing, add a liquid anti-stripping agent from the FDOT's APL. Add 0.5% liquid anti-stripping agent by weight of asphalt binder.

3.2.6 Additional Information: In addition to the requirements listed above, provide the following information on each mix design:

1. The design traffic level and the design number of gyrations (N_{design}).
2. The source and description of the materials to be used.
3. The FDOT source number and the FDOT product code of the aggregate components furnished from an FDOT approved source (if required).
4. The gradation and proportions of the raw materials as intended to be combined in the paving mixture. The gradation of the component materials shall be representative of the material at the time of use. Compensate for any change in aggregate gradation caused by handling and processing as necessary.
5. A single percentage of the combined mineral aggregate passing each specified sieve. Degradation of the aggregate due to processing (particularly material passing the No. 200 sieve) should be accounted for and identified.
6. The bulk specific gravity (G_{sb}) value for each individual aggregate and RAP component.
7. A single percentage of asphalt binder by weight of total mix intended to be incorporated in the completed mixture, shown to the nearest 0.1%.
8. A target temperature for the mixture at the plant (mixing temperature) and a target temperature for the mixture at the roadway (compaction temperature). Do not exceed a target temperature of 330°F for PG 76-22 (PMA) and PG 76-22 (ARB) asphalt binders, and 315°F for unmodified asphalt binders.
9. Provide the physical properties achieved at four different asphalt binder contents. One shall be at the optimum asphalt content, and must conform to all specified physical requirements.
10. The name of the mix designer.

ATTACHMENT D: 2018 - CITY OF NORTH PORT SUPERPAVE ASPHALT SPECIFICATION

11. The ignition oven calibration factor.
12. The warm mix technology, if used.

4 Process Control.

Assume full responsibility for controlling all operations and processes such that the requirements of these Specifications are met at all times. Perform any tests necessary at the plant and roadway to control the process.

5 General Construction Requirements.

5.1 Weather Limitations: Do not transport asphalt mix from the plant to the roadway unless all weather conditions are suitable for the paving operations.

5.2 Limitations of Paving Operations:

5.2.1 General: Spread the mixture only when the surface upon which it is to be placed has been previously prepared, is intact, firm, dry, clean, and the tack, with acceptable spread rate, is properly broken. Ensure all granular base materials are properly primed and all asphalt base materials are properly tacked, prior to paving.

5.2.2 Air Temperature: Place the mixture only when the air temperature in the shade and away from the artificial heat meets the requirements of Table 4. The minimum ambient temperature requirement may be reduced by 5°F when using a warm mix technology, if mutually agreed to by both the Engineer and the Contractor.

Table 4 Ambient Air Temperature Requirements for Paving	
Layer Thickness or Asphalt Binder Type	Minimum Temperature (°F)
≤1 inch	50
Any mixture > 1 inch containing a PG asphalt binder with a high temperature designation ≥ 76°C	45
Any mixture > 1 inch containing a PG asphalt binder with a high temperature designation < 76°C	40

5.3 Mix Temperature: Heat and combine the ingredients of the mix in such a manner as to produce a mixture with a temperature at the plant and at the roadway, within a range of plus or minus 30°F from the target temperature as shown on the mix design. Reject all loads outside of this range. For warm mix asphalt, the Contractor may produce the first five loads of the production day and at other times when approved by the Engineer, at a hot mix asphalt temperature not to exceed 330°F for purposes of heating the asphalt paver. For these situations, the upper tolerance of +30°F does not apply.

5.4 Transportation of the Mixture: Transport the mix in trucks of tight construction, which prevents the loss of material and the excessive loss of heat and previously cleaned of all foreign material. After cleaning, thinly coat the inside surface of the truck bodies with soapy water or an asphalt release agent as needed to prevent the mixture from adhering to the beds. Do not allow excess liquid to pond in the truck body. Do not use a release agent that will contaminate, degrade, or alter the characteristics of the asphalt mix or is hazardous or detrimental to the environment. Petroleum derivatives (such as diesel fuel), solvents, and any product that dissolves asphalt are prohibited. Provide each truck with a tarpaulin or other waterproof cover mounted in such a manner that it can cover the entire load when required. When in place, overlap the waterproof cover on all sides so it can be tied down. Cover each load during cool and cloudy weather and at any time it appears rain is likely during transit with a tarpaulin or waterproof cover. Cover and tie down all loads of friction course mixtures.

5.5 Preparation of Surfaces Prior to Paving:

5.5.1 Cleaning: Clean the surface of all loose and deleterious material by the use of power brooms or blowers, supplemented by hand brooming where necessary.

ATTACHMENT D: 2018 - CITY OF NORTH PORT SUPERPAVE ASPHALT SPECIFICATION

5.5.2 Patching and Leveling Courses: As shown in the plans, bring the existing surface to proper grade and cross-section by the application of patching or leveling courses.

5.5.3 Application over Surface Treatment: Where an asphalt mix is to be placed over a surface treatment, sweep and dispose of all loose material from the paving area.

5.5.4 Trackless Tack Coat: A non-tracking tack coat is required on all surfaces to be paved. This includes freshly placed layers of asphalt pavement. Contact surfaces of manholes, structures, natural pavement edges, etc. shall be painted with a thin, uniform tack coat just before the material is placed against them. Use a non-tracking PG 52-28 meeting the requirements of FDOT specification 916, heated to a temperature of 250 to 300°F or use a non-tracking undiluted emulsion on the FDOT's APL (<https://fdotwp1.dot.state.fl.us/ApprovedProductList/>), meeting the requirements of FDOT specification 916. Heat the emulsion to the temperature recommended by the tack coat manufacturer. Place a tack coat on all asphalt layers prior to constructing the next course. Apply the tack coat sufficiently in advance of the laying of the bituminous mix to permit drying, but do not apply the tack coat so far in advance that it might lose its adhesiveness as a result of being covered with dust or other foreign material. Protection: Keep the tack coat surface free from traffic until the subsequent layer of bituminous hot mix has been laid. Use a rate of application as defined in Table 5. Control the rate of application to be within plus or minus 0.01 gallon per square yard of the target application rate. The target application rate may be adjusted by the Engineer to meet specific field conditions. Determine the rate of application as needed to control the operation.

For night paving, use non-tracking PG 52-28 tack coat. The Engineer may approve a non-tracking emulsified tack coat for night paving if the Contractor demonstrates, at the time of use, that the emulsion will break and not affect the progress of the paving operation.

When using PG 52-28, multiply the target rate of application by 0.6.

Table 5 Tack Coat Application Rates		
Asphalt Mixture Type	Underlying Pavement Surface	Target Tack Rate (gal/yd ²)
Base Course, Structural Course, Dense Graded Friction Course	Newly Constructed Asphalt Layers	0.03 minimum
	Milled Surface or Oxidized and Cracked Pavement	0.06
	Concrete Pavement	0.08

5.6 Placing Mixture:

5.6.1 Alignment of Edges: With the exception of pavements placed adjacent to curb and gutter or other true edges, place all pavements by the stringline method to obtain an accurate, uniform alignment of the pavement edge. Control the unsupported pavement edge to ensure that it will not deviate more than plus or minus 1.5 inches from the stringline.

5.6.2 Rain and Surface Conditions: Immediately cease transportation of asphalt mixtures from the plant when rain begins at the roadway. Do not place asphalt mixtures while rain is falling, or when there is water on the surface to be covered. Once the rain has stopped and water has been removed from the tacked surface to the satisfaction of the Engineer and the temperature of the mixture caught in transit still meets the requirements as specified in 5.3, the Contractor may then place the mixture caught in transit.

5.6.3 Checking Depth of Layer: Check the depth of each layer at frequent intervals to ensure a uniform spread rate that will meet the requirements of the Contract.

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5.6.4 Hand Work: In limited areas where the use of the spreader is impossible or impracticable, spread and finish the mixture by hand.

5.6.5 Spreading and Finishing: Upon arrival, dump the mixture in the approved paver, and immediately spread and strike-off the mixture to the full width required, and to such loose depth for each course that, when the work is completed, the required weight of mixture per square yard, or the specified thickness, is secured. Carry a uniform amount of mixture ahead of the screed at all times.

5.6.6 Thickness Control: Ensure the spread rate is within 10% of the target spread rate, as directed by the Engineer and as indicated in the Contract. When calculating the spread rate, use, at a minimum, an average of five truckloads of mix. When the average spread rate is beyond plus or minus 10% of the target spread rate, monitor the thickness of the pavement layer closely and adjust the construction operations.

If the Contractor fails to maintain an average spread rate within plus or minus 10% of the target spread rate for two consecutive days, the Engineer may elect to stop the construction operation at any time until the issue is resolved.

When the average spread rate for the total structural or friction course pavement thickness exceeds the target spread rate by plus or minus 50 pounds per square yard for layers greater than or equal to 2.5 inches or exceeds the target spread rate by plus or minus 25 pounds per square yard for layers less than 2.5 inches, address the unacceptable pavement in accordance with 5.10.4, unless an alternative approach is agreed upon by the Engineer.

5.7 Leveling Courses:

5.7.1 Patching Depressions: Before spreading any leveling course, fill all depressions in the existing surface as shown in the plans.

5.7.2 Spreading Leveling Courses: Place all courses of leveling with an asphalt paver or by the use of two motor graders, one being equipped with a spreader box. Other types of leveling devices may be used upon approval by the Engineer.

5.7.3 Rate of Application: When using Type SP-9.5 for leveling, do not allow the average spread of a layer to be less than 50 pounds per square yard or more than 75 pounds per square yard. The quantity of mix for leveling shown in the plans represents the average for the entire project; however, the Contractor may vary the rate of application throughout the project as directed by the Engineer. When leveling in connection with base widening, the Engineer may require placing all the leveling mix prior to the widening operation.

5.8 Compaction: For each paving or leveling train in operation, furnish a separate set of rollers, with their operators.

When density testing for acceptance is required, select equipment, sequence, and coverage of rolling to meet the specified density requirement. Regardless of the rolling procedure used, complete the final rolling before the surface temperature of the pavement drops to the extent that effective compaction may not be achieved or the rollers begin to damage the pavement.

When density testing for acceptance is not required, use a rolling pattern approved by the Engineer.

Use hand tamps or other satisfactory means to compact areas which are inaccessible to a roller, such as areas adjacent to curbs, headers, gutters, bridges, manholes, etc.

5.9 Joints.

5.9.1 Transverse Joints: Construct smooth transverse joints, which are within 3/16 inch of a true longitudinal profile when measured with a 15 foot manual straightedge meeting the requirements of FDOT Test Method FM 5-509. These requirements are waived for transverse joints at the beginning and end of the project and at the beginning and end of bridge structures, if the deficiencies are caused by factors beyond the control of the Contractor such as no milling requirement,

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as determined by the Engineer. When smoothness requirements are waived, construct a reasonably smooth transitional joint.

5.9.2 Longitudinal Joints: For all layers of pavement except the leveling course, place each layer so that longitudinal construction joints are offset 6 to 12 inches laterally between successive layers. Do not construct longitudinal joints in the wheel paths. The Engineer may waive these requirements where offsetting is not feasible due to the sequence of construction.

5.10 Surface Requirements: Construct a smooth pavement with good surface texture and the proper cross slope.

5.10.1 Texture of the Finished Surface of Paving Layers: Produce a finished surface of uniform texture and compaction with no pulled, torn, raveled, crushed or loosened portions and free of segregation, bleeding, flushing, sand streaks, sand spots, or ripples. Correct any area of the surface that does not meet the foregoing requirements in accordance with 5.10.4.

In areas not defined to be a density testing exception per 6.3.3, obtain for the Engineer, three 6 inch diameter roadway cores at locations visually identified by the Engineer to be segregated. The Engineer will determine the density of each core in accordance with FDOT Test Method FM 1-T 166 and calculate the percent Gmm of the segregated area using the average Gmb of the roadway cores and the representative PC Gmm for the questionable material. If the average percent G_{mm} is less than 90.0, address the segregated area in accordance with 5.10.4.

5.10.2 Cross Slope: Construct a pavement surface with cross slopes in compliance with the requirements of the Contract Documents.

5.10.3 Pavement Smoothness: Construct a smooth pavement meeting the requirements of this Specification. Furnish a 15 foot manual and a 15 foot rolling straightedge meeting the requirements of FDOT Test Method FM 5-509.

5.10.3.1 Straightedge Testing:

5.10.3.1.1 Acceptance Testing: Perform straightedge testing in the outside wheel path of each lane for the final (top) layer of the pavement. Test all pavement lanes where the width is constant using a rolling straightedge and document all deficiencies on a form approved by the Engineer. Notify the Engineer of the location and time of all straightedge testing a minimum of 48 hours before beginning testing.

5.10.3.1.2 Final (Top) Pavement Layer: At the completion of all paving operations, straightedge the final (top) layer either behind the final roller of the paving train or as a separate operation. Address all deficiencies in excess of 3/16 inch in accordance with 5.10.4, unless waived by the Engineer. Retest all corrected areas.

5.10.3.1.3 Straightedge Exceptions: Straightedge testing will not be required in the following areas: shoulders, intersections, tapers, crossovers, sidewalks, shared use paths, parking lots and similar areas, or in the following areas when they are less than 250 feet in length: turn lanes, acceleration/deceleration lanes and side streets. The limits of the intersection will be from stop bar to stop bar for both the mainline and side streets. In the event the Engineer identifies a surface irregularity in the above areas that is determined to be objectionable, straightedge and address all deficiencies in excess of 3/8 inch in accordance with 5.10.4.

5.10.4 Correcting Unacceptable Pavement: Correct deficiencies in the pavement layer by removing and replacing the full depth of the layer, extending a minimum of 50 feet on both sides (where possible) of the defective area for the full width of the paving lane, at no additional cost.

6 Acceptance of the Mixture.

6.1 General: The asphalt mixture will be accepted based on the Asphalt Work Category as defined below:

1. Asphalt Work Category 1 – Certification by the Contractor as defined in 6.2.

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2. Asphalt Work Category 2 – Certification and process control testing by the Contractor as defined in 6.3.

3. Asphalt Work Category 3 – Process control testing by the Contractor and acceptance testing by the Engineer as defined in 6.4.

6.2 Certification by the Contractor: On Asphalt Work Category 1 construction, the Engineer will accept the mix on the basis of visual inspection. Submit a Notarized Certification of Specification Compliance letter on company letterhead to the Engineer stating that all material produced and placed on the project meets the requirements of the Specifications. The Engineer may run independent tests to determine the acceptability of the material.

6.3 Certification and Process Control Testing by the Contractor: On Asphalt Work Category 2 submit a Notarized Certification of Specification Compliance letter on company letterhead to the Engineer stating that all material produced and placed on the project meets the requirements of the Specifications, along with supporting test data documenting all process control testing as described in 6.3.1. If required by the Contract, utilize an Independent Laboratory as approved by the Engineer for the process control testing. The mix will also require visual acceptance by the Engineer. In addition, the Engineer may run independent tests to determine the acceptability of the material. Material failing to meet these acceptance criteria will be addressed as directed by the Engineer such as but not limited to acceptance at reduced pay, delineation testing to determine the limits of the questionable material, removal and replacement at no cost to the agency, or performing an Engineering analysis to determine the final disposition of the material.

6.3.1 Process Control Sampling and Testing Requirements: Perform process control testing at a frequency of once per day. Obtain the samples in accordance with FDOT Method FM 1-T 168. Test the mixture at the plant for gradation (P_{-8} and P_{-200}) and asphalt binder content (P_b). Measure the roadway density with 6 inch diameter roadway cores at a minimum frequency of once per 1,500 feet of pavement with a minimum of three cores per day.

Determine the asphalt binder content of the mixture in accordance with FDOT Method FM 5-563. Determine the gradation of the recovered aggregate in accordance with FDOT Method FM 1-T 030. Determine the roadway density in accordance with FDOT Method FM 1-T 166. The minimum roadway density will be based on the percent of the maximum specific gravity (G_{mm}) from the approved mix design. If the Contractor or Engineer suspects that the mix design G_{mm} is no longer representative of the asphalt mixture being produced, then a new G_{mm} value will be determined from plant-produced mix, in accordance with FDOT Method FM 1-T 209, with the approval of the Engineer. Roadway density testing will not be required in certain situations as described in 6.4.1. Assure that the asphalt binder content, gradation and density test results meet the criteria in Table 6.

6.3.2 Acceptance Criteria: Acceptance will be on a pass/fail basis. Engineer's test results that meet the criteria shown in Table 6 will be accepted at full pay.

Table 6 Process Control and Acceptance Values	
Characteristic	Tolerance
Asphalt Binder Content (percent)	Target ± 0.65
Passing No. 8 Sieve (percent)	Target ± 8.00
Passing No. 200 Sieve (percent)	Target ± 2.50
Roadway Density, minimum percent (1) (2) G_{mm} (daily average)	Minimum 89.0% of G_{mm}
Notes: (1) Based on the average value of the roadway cores and G_{mm} for the sample.	

ATTACHMENT D: 2018 - CITY OF NORTH PORT SUPERPAVE ASPHALT SPECIFICATION

(2) If the Engineer (or Contract Documents) limits compaction to the static mode only, the tolerance for Criteria shall be 88.0%. When compaction is limited to the static mode, no vibratory mode in the vertical direction will be allowed. Other vibratory modes (oscillatory) will be allowed, if approved by the Engineer.

6.4 Process Control Testing by the Contractor and Acceptance Testing by the Engineer: On Asphalt Work Category 3, perform process control testing as described in 6.3.1. In addition, the Engineer will accept the mixture at the plant with respect to gradation ($P_{.8}$ and $P_{.200}$) and asphalt binder content (P_b). The mixture will be accepted on the roadway with respect to density. The Engineer may sample and test the material as described in 6.3.1. The Engineer may randomly obtain at least one set of samples per day. Assure that the asphalt content, gradation and density test results meet the criteria in Table 6. Material failing to meet these acceptance criteria will be addressed as directed by the Engineer such as but not limited to acceptance at reduced pay, delineation testing to determine the limits of the questionable material, removal and replacement at no cost to the agency, or performing an Engineering analysis to determine the final disposition of the material.

6.4.1 Acceptance Testing Exceptions: When the total quantity of any mix type in the project is less than 500 tons, the Engineer will accept the mix on the basis of visual inspection. The Engineer may run independent tests to determine the acceptability of the material.

Density testing for acceptance will not be performed on widening strips or shoulders with a width of 5 feet or less, variable thickness overbuild courses, leveling courses, any asphalt layer placed on subgrade (regardless of type), miscellaneous asphalt pavement, shared use paths, crossovers, or any course with a specified thickness less than 1 inch or a specified spread rate less than 100 pounds per square yard. Density testing for acceptance will not be performed on asphalt courses placed on bridge decks or approach slabs; compact these courses in static mode only. In addition, density testing for acceptance will not be performed on the following areas when they are less than 1,000 feet continuous in length: turning lanes, acceleration lanes, deceleration lanes, shoulders, parallel parking lanes, or ramps. Density testing for acceptance will not be performed in intersections. The limits of the intersection will be from stop bar to stop bar for both the mainline and side streets. Compact these courses in accordance with the standard rolling pattern or an alternative rolling pattern to be approved by the Engineer. (The standard rolling pattern is defined as follows: 1. Breakdown rolling: Provide two static coverages with a tandem steel-wheeled roller, weighing 5 to 15 tons, following as close behind the paver as possible without pick-up, undue displacement, or blistering of the material; 2. Intermediate rolling: Provide five static coverages with a pneumatic-tired roller, following as close behind the breakdown rolling operation as the mix will permit; 3. Finish rolling: Provide one static coverage with a tandem steel-wheeled roller, weighing 5 to 15 tons, after completing the breakdown rolling and intermediate rolling, but before the surface pavement temperature drops to the extent that effective compaction may not be achieved or the rollers begin to damage the pavement.) In the event that the rolling procedure deviates from the approved procedure, placement of the mix will be stopped.

7 Method of Measurement.

For the work specified under this Section, the quantity to be paid for will be the weight of the mixture, in tons.

The bid price for the asphalt mix will include the cost of the liquid asphalt and the trackless tack coat application as specified in 5.5.4. Bituminous Material adjustments for Superpave asphalt will be made in accordance with SP-12.

8 Basis of Payment.

8.1 General: Price and payment will be full compensation for all the work specified under this Section.

ATTACHMENT D: 2018 - CITY OF NORTH PORT SUPERPAVE ASPHALT SPECIFICATION

Typical Sections:

ROUTINE MAINTENANCE:

VARIABLE MILLING - MILL EXISTING ASPHALT PAVEMENT FOR SLOPE (1" AVG DEPTH)
RESURFACE/OVERBUILD SP FINE (TRAFFIC C) THICKNESS VARIES (140 #/SY AVG)
Density testing for acceptance not required, use approved rolling pattern

W. PRICE BOULEVARD:

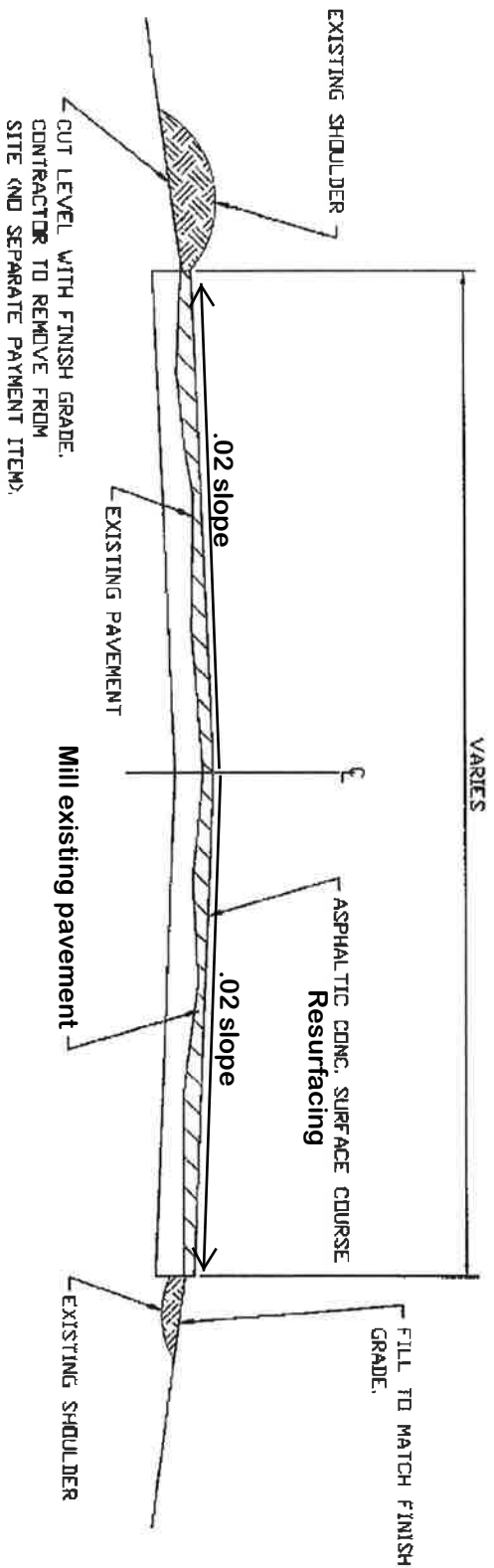
VARIABLE MILLING – MILL EXISTING ASPHALT PAVEMENT FOR SLOPE (0-1½" DEPTH)
OVERBUILD COURSE SP FINE (100 #/SY) - COVER MILLED SURFACE BEFORE OPENING TO TRAFFIC
RESURFACE SP FINE (TRAFFIC C) (1")
W. Price Blvd. milled surface must be resurfaced the same night. No traffic shall be allowed on W. Price Blvd. milled surface.
Density testing for acceptance not required, use approved rolling pattern.

INTERSECTIONS:

VARIABLE MILLING – MILL EXISTING ASPHALT PAVEMENT FOR SLOPE (1" AVG DEPTH)
RESURFACE SP FINE (TRAFFIC C) (1")
Density testing for acceptance not required, use approved rolling pattern.

ATTACHMENT E: 2018 TYPICAL SECTIONS – Road Maintenance

ATTACHMENT E: 2018 TYPICAL SECTIONS – Road and Maintenance



Typical Section: W. Price Blvd.

VARIABLE MILLING - MILL EXISTING ASPHALT PAVEMENT FOR SLOPE (0" CL to 1" EDGE)

OVERBUILD - HMA SP FINE (TRAFFIC C) THICKNESS VARIES (100#/SY)

RESURFACE - HMA SP FINE (TRAFFIC C) 1"

STA 0+00 to 12+00, 25+50 to 54+65, 69+95 to 104+85, and 120+35 to 127+80

Milled surface must be resurfaced the same night. No traffic shall be allowed on W. Price Blvd. milled surface.

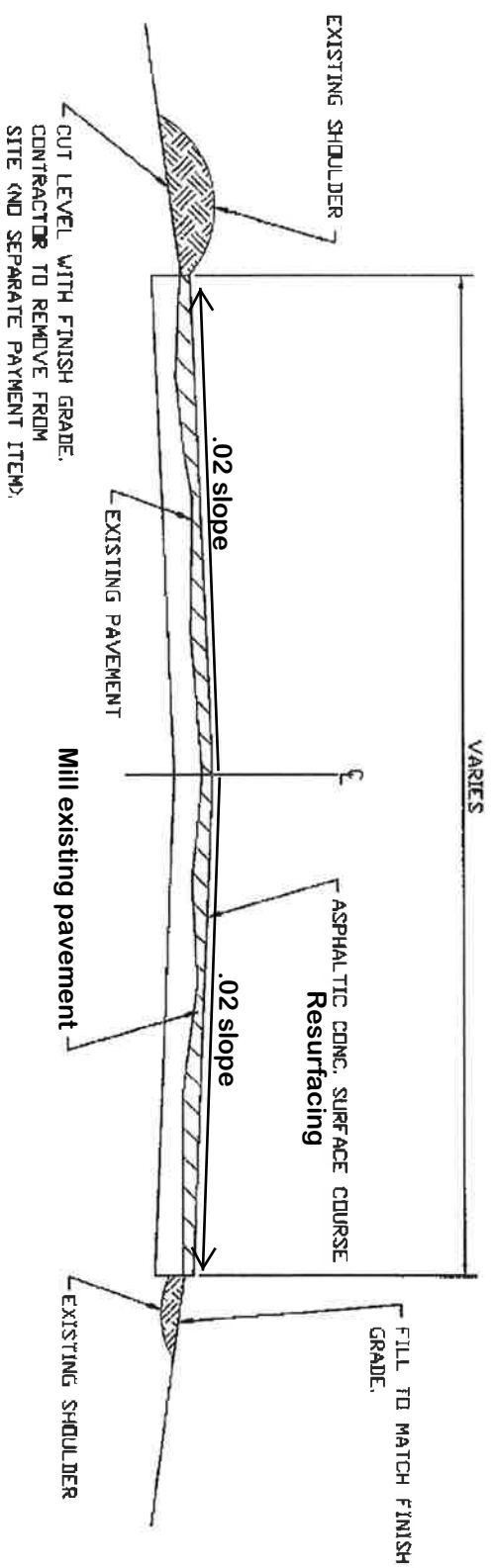
Density testing for acceptance not required, use approved rolling pattern.

CITY OF NORTH PORT - ROAD MAINT PRICE 2018

RESURFACING

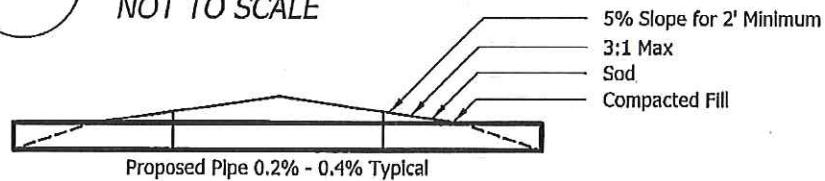
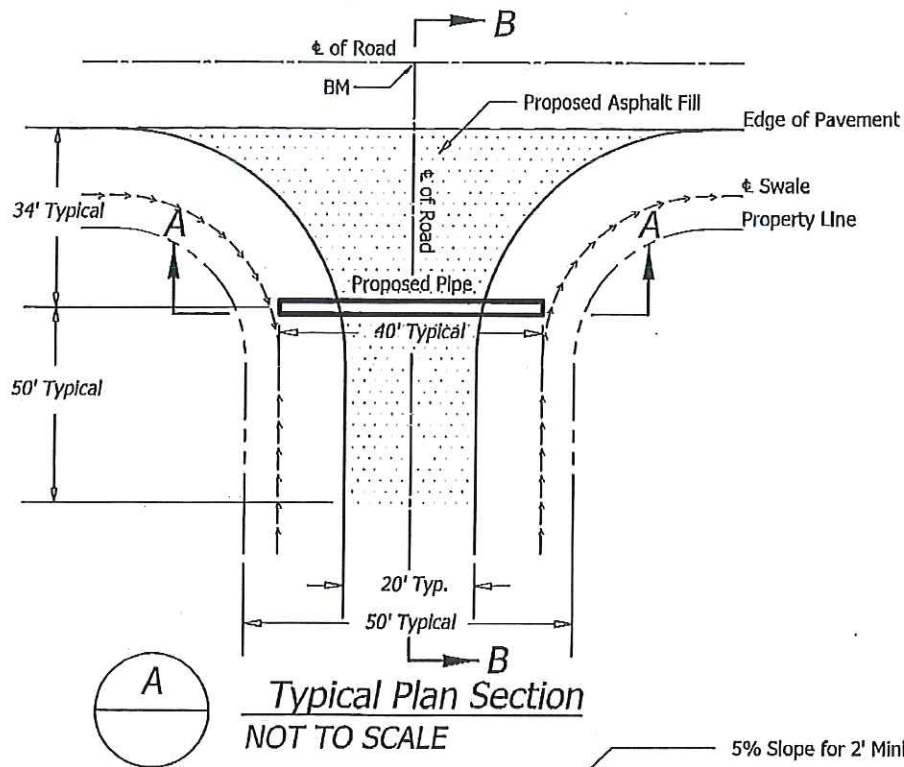
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SHEET 1

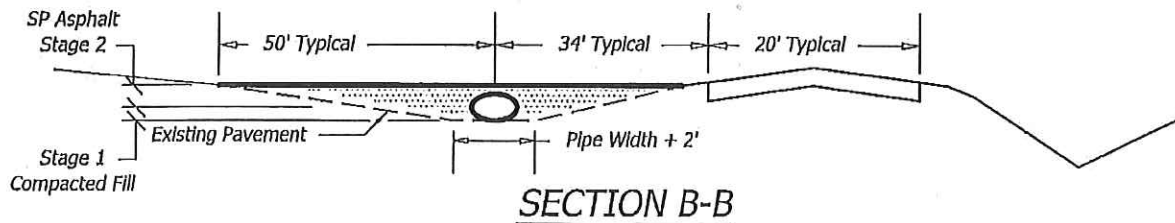


Typical Section: Intersection/W Price Blvd
VARIABLE MILLING - MILL EXISTING ASPHALT PAVEMENT FOR SLOPE (1" AVG DEPTH)
RESURFACE - HMA SP FINE (TRAFFIC C) 1"
 Density testing for acceptance not required, use approved rolling pattern

CITY OF NORTH PORT - ROAD MAINT 2018			
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SCALE	N.T.S.		
		SHEET 1	



SECTION A-A



PAVEMENT REMOVAL AND REPLACEMENT

Pavement shall be mechanically sawed.

The replacement asphalt shall match the existing structural courses for type and thickness.

In Stage 1, construct compacted fill beneath the haunches of the pipe, using mechanical tamps.

In Stage 2, construct compacted SP asphalt along sides of the pipe and up to bottom of the base.

Do not allow pipe being installed to float.



CITY OF NORTH PORT
SARASOTA COUNTY, FLORIDA
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

Drawn By: gpr

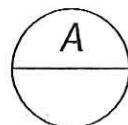
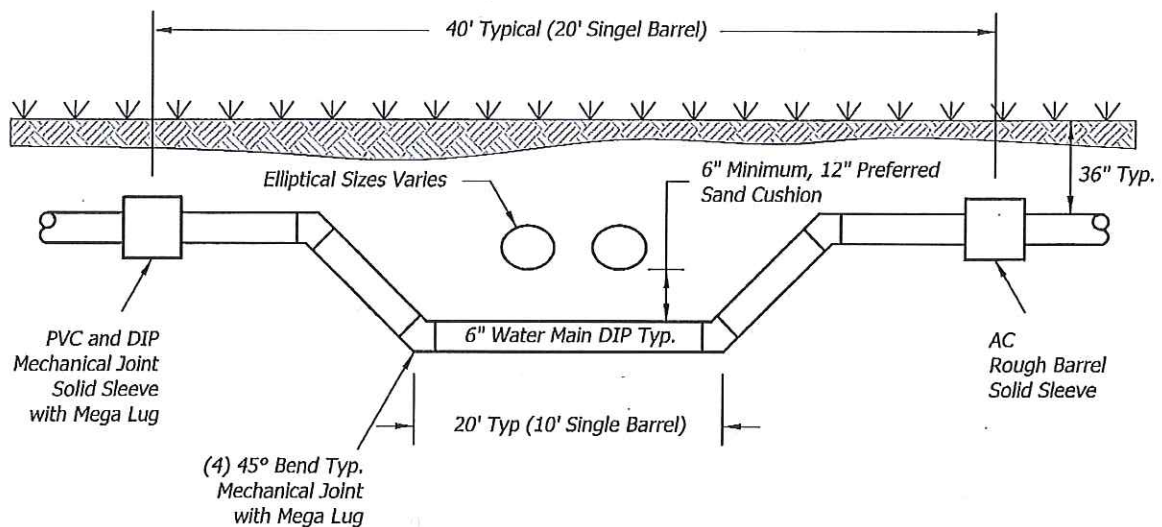
Rev. Date: 5-10-2016

Scale: NTS

Appr. By:

Inverted Road (T-Swale) Conversion

Sheet 1 of 1



Water Main Deflection at Storm Culverts NOT TO SCALE

NOTES:

1. All DIP joints shall be restrained mechanical joints.
2. AC/DI connection shall be made using a rough barrel solid sleeve, Romac or equal. Hymax is not acceptable.



CITY OF NORTH PORT
SARASOTA COUNTY, FLORIDA
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

Drawn By: gpr

Scale: NTS

Rev. Date: 5-19-2016

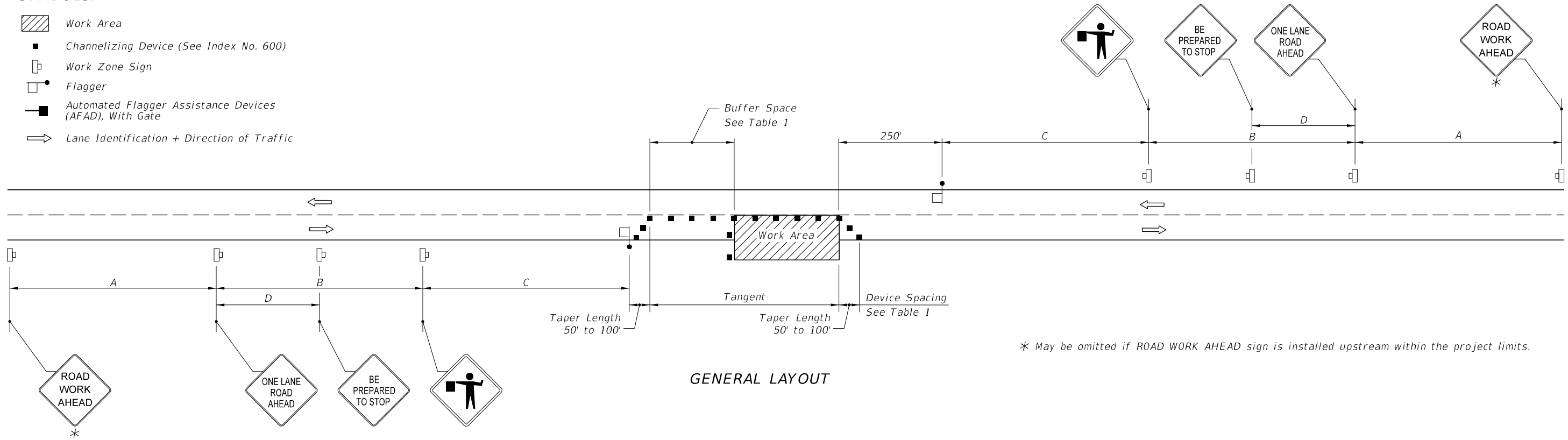
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Water Main Deflection at Storm Culverts

Sheet 1 of 1

SYMBOLS:

- Work Area
- Channelizing Device (See Index No. 600)
- Work Zone Sign
- Flagger
- Automated Flagger Assistance Devices (AFAD), With Gate
- Lane Identification + Direction of Traffic



GENERAL LAYOUT

GENERAL NOTES:

1. Special Conditions may be required in accordance with these notes and the following sheets.
2. If the Work Area encroaches on the Centerline, use the Layout for Temporary Lane Shift to Shoulder on Sheet 2 only if the Existing Paved Shoulder width is sufficient to provide for an 11' lane between the Work Area and the Edge of Existing Paved Shoulder. Reduce the posted speed when appropriate.
3. Temporary Raised Rumble Strips:

a. Use when both of the following conditions are met concurrently:

i. Existing Posted Speed is 50 mph or greater;

ii. Work duration is greater than 60 minutes.

b. Use a consistent Strip color throughout the work zone.

c. Place each Rumble Strip Set transversely across the lane at locations shown.

d. Use Option 1 or Option 2 as shown on Sheet 2. Use only one option throughout work zone.
4. Additional one-way control may be provided by the following means:

a. Flag-carrying vehicle;

b. Official vehicle;

c. Pilot vehicles;

d. Traffic signals.
- When flaggers are the sole means of one-way control, the flaggers must be in sight of each other or in direct communication at all times.
5. When a side road intersects the highway within the TTC zone, place additional TTC devices in accordance with other applicable TCZ Indexes.
6. The two channelizing devices directly in front of the work area may be omitted provided vehicles in the work area have high-intensity rotating, flashing, oscillating, or strobe lights operating.

7. When Buffer Space cannot be attained due to geometric constraints, use the greatest attainable length, not less than 200 ft.
8. Railroad Crossings:

a. If an active railroad crossing is located closer to the Work Area than the queue length plus 300 feet, extend the Buffer Space as shown on Sheet 2.

b. If the queuing of vehicles across an active railroad crossing cannot be avoided, provide a uniformed traffic control officer or flagger at the highway-rail grade crossing to prevent vehicles from stopping within the highway-rail grade crossing, even if automatic train warning devices are in place.
9. ROAD WORK AHEAD and the BE PREPARED TO STOP signs may be omitted if all of the following conditions are met:

a. Work operations are 60 minutes or less.

b. Speed limit is 45 mph or less.

c. There are no sight obstructions to vehicles approaching the work area for a distance equal to the Buffer Space shown in Table 1.

d. Vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.

e. Volume and complexity of the roadway has been considered.

f. If a railroad crossing is present, vehicles will not queue across rail tracks.

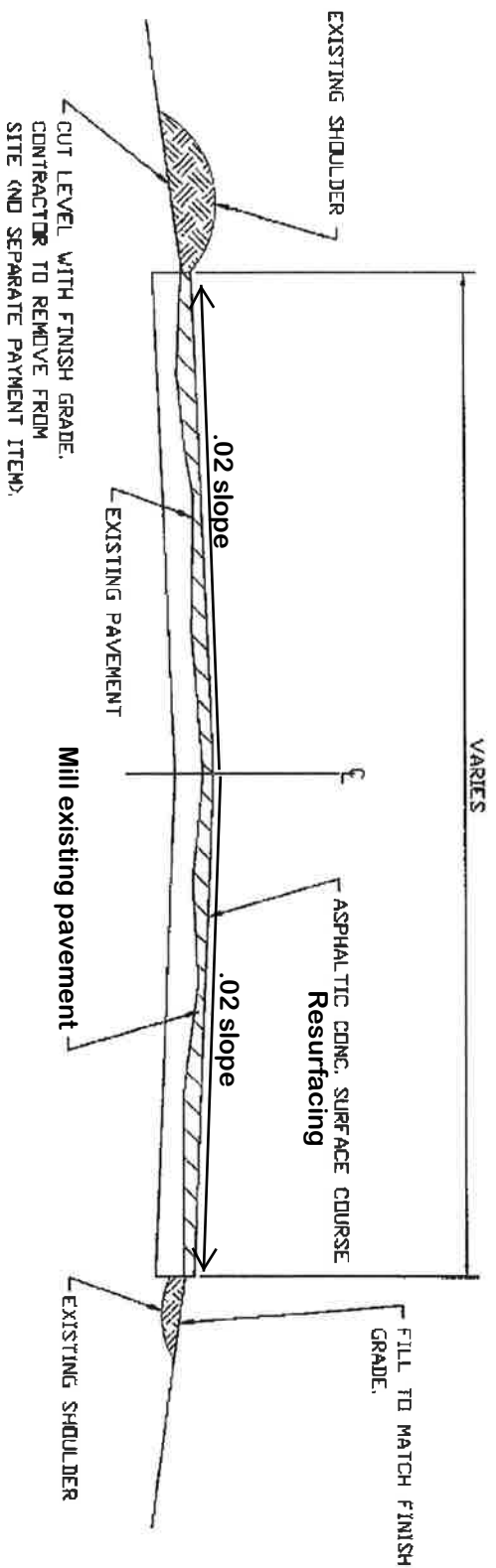
g. AFADs are not in use.
10. See Index 600 for general TCZ requirements and additional information.
11. Automated Flagger Assistance Devices (AFADs) may be used in accordance with the Notes on Sheet 3.

TABLE 1									
Posted Speed	DEVICE SPACING				Distance Between Signs				Buffer Space
	Maximum Spacing of Cones or Tubular Markers		Maximum Spacing of Type I or Type II Barricades/Panels/Drums						
	On a Taper	On a Tangent	On a Taper	On a Tangent	A	B	C	D	
	25	20'	50'	20'	50'	200'	200'	200'	
30	20'	50'	20'	50'	200'	200'	200'	100'	200'
35	20'	50'	20'	50'	200'	200'	200'	100'	250'
40	20'	50'	20'	50'	200'	200'	200'	100'	305'
45	20'	50'	20'	50'	350'	350'	350'	175'	360'
50	20'	50'	20'	100'	500'	500'	500'	250'	425'
55	20'	50'	20'	100'	2640'	1500'	1000'	500'	495'
60	20'	50'	20'	100'	2640'	1500'	1000'	500'	570'
65	20'	50'	20'	100'	2640'	1500'	1000'	500'	645'
70	20'	50'	20'	100'	2640'	1500'	1000'	500'	730'

CONDITIONS

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH THE AREA BETWEEN THE CENTERLINE AND A LINE 2' OUTSIDE THE EDGE OF TRAVEL WAY.

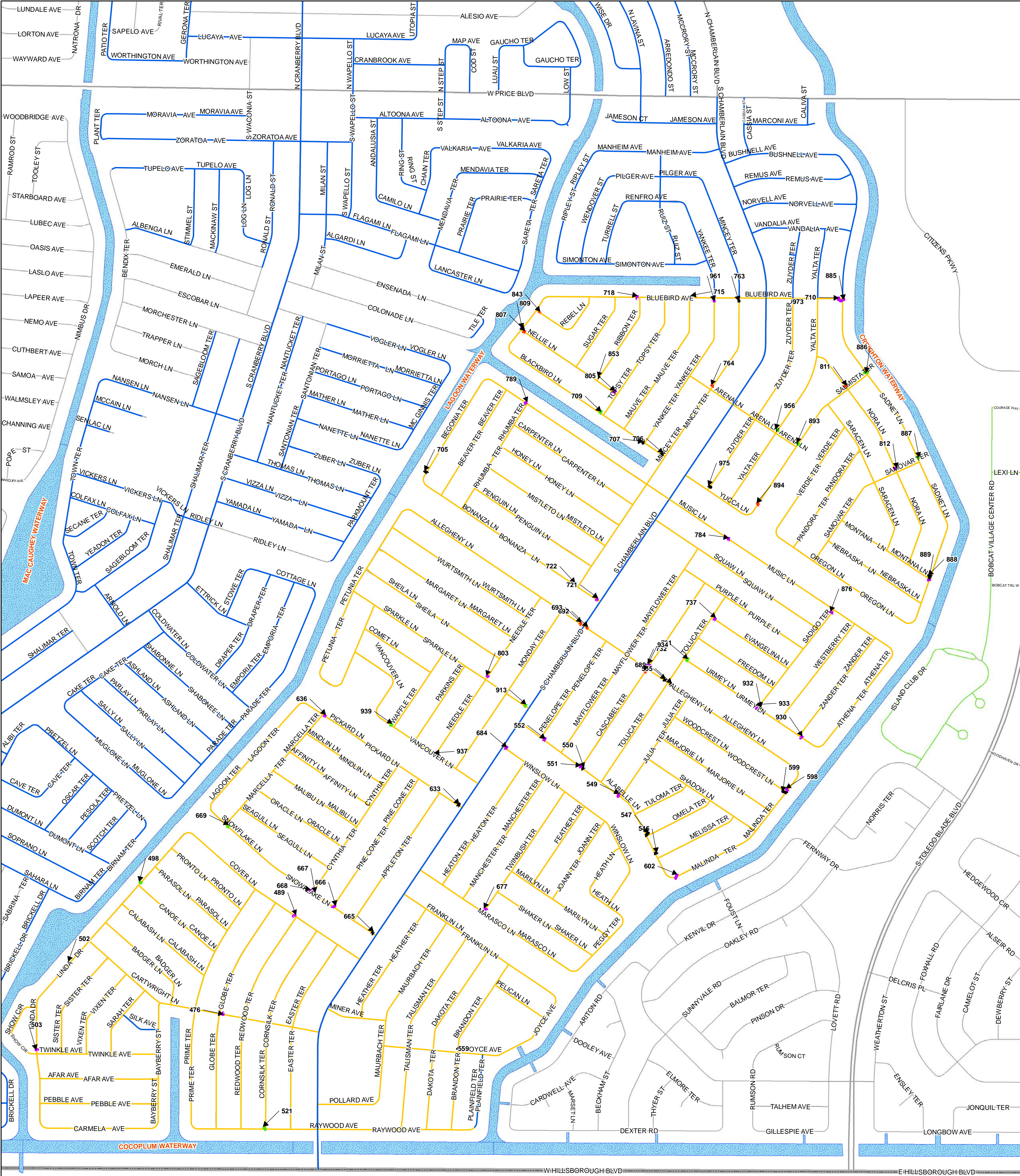
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Typical Section:

**VARIABLE MILLING - MILL EXISTING ASPHALT PAVEMENT FOR SLOPE (1" AVG DEPTH)
RESURFACE/OVERBUILD - HMA SP 9.5 FINE (TRAFFIC C) THICKNESS VARIES (140 #/SY AVG)**
Density testing for acceptance not required, use approved rolling pattern

CITY OF NORTH PORT - ROAD MAINT 2018			
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SCALE:	N.T.S.		SHEET 1



Routine Maintenance 2018 through 2020 assesement

First Number is 2012 IMS surface values
Second Number is 2017 field assessment surface value

Legend

WestPriceBlvd

PipeSIZE

12"X18"- 8 Total

14"X23"- 18 Total

19"X30"-31 Total

24"X38"- 15 Total

RoutineMaint20182020_2012IMSValues

Proposed_Year

; Still needs assessment

2018

BID SCHEDULE FOR RFB NO. 2018-33 FY2018 ROUTINE ROAD MAINTENANCE - 45 MILES & W. PRICE

Item Description	Unit	Est. Maint Qty	Est. W Price Qty	Total Qty	Unit Price	Extended Price
1) M.O.T.						
M.O.T. Maintenance	LS	1	-	1		\$0.00
M.O.T. W Price	LS	-	1	1		\$0.00
2) Resurfacing						
a. Type SP Fine (TL C) (trackless tack)	TN	37,247	2,484	39,731		\$0.00
b. Asphalt Base Course (Type B 12.5 or SP 12.5)	TN	300	100	400		\$0.00
3) Asphalt Removal & Disposal						
Milling (0-1 1/2") (1" Avg)	SY	559,071	25,261	584,332		\$0.00
4) Road Striping						
a. 6" Yellow [skip]	LF	0	2,088	2,088		\$0.00
b. 6" Solid Yellow	LF	320	600	920		\$0.00
c. 6" Solid White	LF	0	16,700	16,700		\$0.00
d. Stop Bar	EA	25	24	49		\$0.00
e. Turn Arrow	EA	4	12	16		\$0.00
f. R.P.M.	EA	0	250	250		\$0.00
g. Crosswalk	EA	12	24	36		\$0.00
5) Survey						
Restore Existing PCPs & Ref Points	EA	400	20	420		\$0.00
6) ERCP (includes T-Swale pipe) or ADS Pipe						
12x18	LF	424	0	424		\$0.00
14x23	LF	810	0	810		\$0.00
19x30	LF	1,444	0	1,444		\$0.00
24x38	LF	896	0	896		\$0.00
29x45	LF	24	0	24		\$0.00
ADS 15 / CAP 11x18	LF	20	0	20		\$0.00
6a) Mitered End Section (MES ERCP)						
MES 19x30	EA	4	0	4		\$0.00
MES 24x38	EA	4	0	4		\$0.00
6b) Catch Basin/Inlet Concrete						
Type D	EA	2	0	2		\$0.00
Type E	EA	11	0	11		\$0.00
Type H	EA	3	0	3		\$0.00
Type Modify Existing	EA	1	0	1		\$0.00
7) Embankment/Borrow Excavation						
a. Borrow (Truck Measure)	CY	1,000	200	1,200		\$0.00
8) Sidewalk/Driveway Restoration						
Sidewalk/Driveway 4"-6" Remove & Replace	SY	100	100	200		\$0.00
9) Traffic Signal Loop Dectectors						
a. Loop Assemble- F&I (Type B)	AS	0	2	2		\$0.00
b. Loop Assemble- F&I (Type F)	AS	0	4	4		\$0.00
10) Sod/RipRap/Restoration						
a. Sod	SY	8,000	2,000	10,000		\$0.00
b. RipRap (Rubble Ditch)	TN	100	0	100		\$0.00
SUB-TOTAL BID PRICE (ITEMS 1-10)						\$0.00
11) CNP Utility Adjustments (Contingency) - DO NOT BID						
CNP Utility Adjustments Maintenance	LS	1	-	1	\$10,000.00	\$10,000.00
CNP Utility Adjustments W Price	LS	-	1	1	\$10,000.00	\$10,000.00
TOTAL BID PRICE (ITEMS 1-11)						\$20,000.00

SIGNATURE (Person authorized to bind the company): _____

NAME (printed): _____

DATE: _____

THIS PAGE MUST BE COMPLETED AND SUBMITTED