

INVITATION TO BID

ITB #COH 01-2024-AK-22-288-PW-0822-C

**CITY OF HOUSTON
HOUSTON, ALASKA**



**BID AND CONTRACT DOCUMENTS
FOR**

RECONDITIONING NINE FLOOD DAMAGED ROADS

BIDS DUE:

Friday, June 28, 2024 by 2:00 PM

ITB #COH 01-2024-AK-22-288-PW-0822-C
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**SECTION I
SYNOPSIS**

SOLICITATION SYNOPSIS

CITY OF HOUSTON Invitation to Bid

ITB #COH 01-2024-AK-22-288-PW-0822-C

Purpose of the Solicitation:

The CITY OF HOUSTON is requesting bids from qualified contractors to

Solicitation Schedule:

Solicitation Issued:	Friday, May 24, 2024
Pre-bid/Site Inspection:	Thursday, June 6, 2024 at 10:00 AM onsite.
Deadline for Questions:	Friday, June 14, 2024 by 5:00 PM
Bids Due:	Friday, June 28, 2024 by 2:00 PM

Bid documents are available to download for free from the City of Houston website at [Houston, Alaska \(houstonak.us\)](https://houstonak.us)

Bids **must** be received by the City of Houston prior to the time fixed for **bids due** to be considered. Time of receipt will be determined by the City of Houston Time Date Stamp. Bids received after the time and date for receipt of Bids are late bids, will not be considered.

Persons needing accommodation in order to participate should contact the City Clerk 907-892-6869

The CITY OF HOUSTON reserves the right to accept or reject any or all bids, waive any and all technicalities or informalities it deems appropriate. Award of this project is subject to the availability of funding.

For more information call 907-892-6869 or e-mail clerk@houston-ak.gov.

ITB #COH 01-2024-AK-22-288-PW-0822-C

**SECTION II
INSTRUCTIONS TO BIDDERS**

ITB #COH 01-2024-AK-22-288-PW-0822-C
Reconditioning Nine Flood Damaged Roads

INSTRUCTIONS TO BIDDERS

ARTICLE 1 - DEFINITIONS

1.1 Bidding Documents include the Advertisement or Invitation to Bid, Instructions to Bidders, bid form, other sample bidding and contract forms, proposed Contract Documents, including any Addenda issued prior to receipt of bids and bond forms. Contract Documents proposed for the work consist of the City-Contractor Agreement, Conditions of the Contract (General, Supplementary and other Conditions), Drawings, Specifications, and all Addenda issued prior to and all Modifications issued after execution of the Contract.

1.2 All definitions set forth in the General Conditions of the Construction Agreement or in other Contract Documents are applicable to the Bidding Documents.

1.3 Addenda are written or graphic instruments issued by the City prior to the execution of the Contract which modify or interpret the Bidding Documents by additions, deletions, clarifications, or corrections.

1.4 A Bid is a complete and properly signed proposal to do the work or designated portion thereof for the sums stipulated therein, submitted in accordance with the Bidding Documents.

1.5 The Base Bid is the sum stated in the Bid for which the Bidder offers to perform the work described in the Bidding Documents as the base, to which work may be added, or from which work may be deleted for sums stated in Alternate Bids.

1.6 An Alternate Bid (or Alternate) is an amount stated in the Bid to be added to or deducted from the amount of the Base Bid, if the corresponding change in the work, as described in the Bidding Documents, is accepted.

1.7 A Unit Price is an amount stated in the Bid as a price per unit of measurement for materials or services, as described in the Bidding Documents or in the proposed Contract Documents.

1.8 A Bidder is a person or entity who submits a Bid.

1.9 A Sub-bidder is a person or entity who submits a Bid to a Bidder for materials or labor for a portion of the work.

1.10 Any interested party submitting a bid on CITY OF HOUSTON (COH) projects should first review the Matanuska Susitna Borough Debarment/Suspension List. This listing is available on the MSB web page under Economy and Bids. Any submission of a bid, with participation or involvement of an individual, company, firm or corporation on this list will render the bid as non-responsible.

ARTICLE 2 - BIDDER'S REPRESENTATIONS

2.1 Each Bidder by making a Bid represents that:

2.1.1 The Bidder has read and understands the Bidding Documents and the Bidder's Bid is made in accordance therewith.

2.1.2 The bidder has visited the site and has taken other steps as may be necessary to ascertain the nature and local conditions of the work, the general and local conditions which could affect the work or costs thereof. Failure to do so will not relieve Bidders of responsibility for estimating properly or the difficulty or cost of successfully performing the work. The submission of a Bid shall be an admission that the Bidder has made such examination and is satisfied as to the conditions to be encountered in performing the work and as to the requirements and accuracy of the Bidding Documents.

2.1.3 The City assumes no responsibility for any understanding or representations concerning conditions made by any of its officers, agents, or employees prior to the execution of this Contract, unless such understanding or representations are expressly stated in the Bidding Documents or Addenda.

2.1.4 The Bidder shall include in their Bid sums sufficient to cover all items required by the Contract and the conditions of the site(s), and shall rely entirely upon their own examination in making their Bid. The submission of a Bid shall be taken as a prima facie evidence of compliance with this paragraph.

2.1.5 The Bidder's Bid is based upon the materials, systems, and equipment required by the Bidding Documents without exception.

ARTICLE 3 - BIDDING DOCUMENTS

3.1 Copies

3.1.1 Bidders may obtain complete sets of the Bidding Documents from the issuing office's webpage as designated in the Advertisement or Invitation to Bid.

3.1.2 Bidders shall use complete sets of Bidding Documents in preparing Bids; the City does not assume any responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bidding Documents. If material required for bidding purposes by these documents is absent, the Bidder is required to notify the Purchasing Officer.

3.1.3 The City in making electronic copies of the Bidding Documents available on the above terms does so

only for the purpose of obtaining Bids on the work, and does not confer a license of grant for any other use.

3.2 Interpretation or Correction of Bidding Documents

3.2.1 Bidders and Sub-bidders shall promptly notify the Purchasing Officer by fax at 861-8617, or by e-mail at clerk@houston-ak.gov of any ambiguity, inconsistency, or error which they may discover upon examination of the Bidding Documents or of the site and local conditions.

3.2.2 Bidders and Sub-bidders requiring clarification or interpretation of the Bidding Documents shall make a written request which shall reach the Purchasing Officer at least five work days prior to the date for receipt of Bids. Questions or requests for clarifications shall be directed to the City's Purchasing Officer at clerk@houston-ak.gov.

Questions or requests for clarification directed to any other member of the City staff, or consultant **may be grounds for rejection of bid as being irregular.**

3.2.3 Any interpretation, correction, or change of the Bidding Documents will be made by Addendum. Interpretations, corrections, or changes of the Bidding Documents made in any other manner will not be binding, and Bidders shall not rely upon such interpretations, corrections, and changes.

3.3 Addenda

3.3.1 Addenda will be posted on the City's Purchasing webpage, notice will be emailed to all known by the Purchasing Division to have requested to be added to a plan holders list for the solicitation.

3.3.2 Copies of Addenda will be made available for inspection wherever Bidding Documents are on file for that purpose.

3.3.3 No Addenda will be issued later than four work days prior to the date for receipt of Bids, except an Addendum withdrawing the request for Bids, or one which includes postponement of the date for receipt of Bids.

3.3.4 Each Bidder shall be responsible for ascertaining prior to submitting their Bid that they have received all Addenda issued, and they shall acknowledge their receipt in their Bid.

ARTICLE 4 - BIDDING PROCEDURE

4.1 Form and Style of Bids

4.1.1 A Bid shall constitute an irrevocable offer to enter into a contract with the City on the terms of the Bid and the Bidding Documents. Bids shall be submitted on forms provided in the Bidding Documents.

4.1.2 All blanks on the Bid form shall be filled in, typed or written legibly in ink (preferably in **blue** ink).

4.1.3 Where required on the Bid, Bidders must quote on all items and they are warned that failure to do so may disqualify the Bid. When quotations on all items are not required, Bidders should insert the words "no bid" in the space provided for any item where no quotation is made.

4.1.4 Bids shall specify a unit or lump sum price, typed or written legibly in ink for each Bid item called for. In case of error in the extension of prices, the unit price will govern. Bids may be rejected if they show any omissions, alteration of the forms, additions not called for, conditional or alternate Bids not called for, qualified bids, or irregularities of any kind.

4.1.5 Any interlineation, alteration or erasure must be initialed by the signer of the Bid.

4.1.6 All requested Alternates shall be Bid. If no change in the Base Bid is required, enter "No Change."

4.1.7 Where two or more Bids for designated portions of the work have been requested, the Bidder may, without forfeiture of their Bid Guarantee, state their refusal to accept award of less than the combination of Bids they so stipulate. The Bidder shall make no additional stipulations on the Bid form nor qualify their Bid in any other manner.

4.1.8 Each copy of the Bid shall include the legal name of the Bidder and a statement that the Bidder is a sole proprietor, a partnership, a corporation, or some other legal entity. Each copy shall be signed by the person or persons legally authorized to bind the Bidder to a contract. A Bid submitted by an agent shall have a current power of attorney attached, certifying the agent's authority to bind the Bidder. The full name, address, and corporate or partnership title, including status of each person signing shall be typed or printed below the signature.

4.2 Bid Guarantee

4.2.1 Any bid exceeding \$50,000 for total of all base items and alternates shall be accompanied by a certified check, money order, cashier's check, or Bid Bond in the amount of at least 5% of the total Base Bid amount, made payable to the CITY OF HOUSTON, Palmer, Alaska, with good and sufficient surety or sureties acceptable to the City. Bid Guarantees will be held until the Agreement is executed or for 60 days whichever is less. Power-of-Attorney for the person signing the Bid Bond for the Surety must be submitted with the Bid Bond.

4.2.2 If a surety bond is submitted, it shall be written on the form included in the Bidding Documents and the attorney-in-fact who executes the bond on behalf of the surety shall affix to the bond a certified and current copy of their power of attorney.

4.2.3 In regards to electronic submission, bid guarantee items must be scanned. In the event your firm submits a certified check, money order, cashier's check, or

Bid Bond and are the low bidder, you must deliver original copies within 24 hours of bid opening.

4.3 Submission of Bids

4.3.1 All copies of the Bid, the Bid Guarantee, if any, and any other documents required to be submitted with the Bid **will only** be accepted at the City of Houston, City Hall, Clerks office prior to the deadline for submission. The Bidder shall assume full responsibility for timely submission.

4.3.2 Submissions received by mail, hand delivery, email, oral, or faxed **will not** be accepted and will not receive consideration.

4.3.3 Bids received after the time and date for receipt of Bids are late Bids, will not be considered.

4.3.4 Bids will not be considered if the following documents are not completely filled out and submitted with the bid: See documents listing on "Bid Form".

4.3.5 A checklist is provided on the Submittal Page as a courtesy to prospective bidders. The checklist may not be all inclusive; it is the Bidder's responsibility to make sure they comply with all requirements within the solicitation documents.

4.3.6 If more than one Bid is offered by any one party, by or in the name of their clerk. Partner, or other person, all such Bids will be rejected. A party who has quoted prices to a Bidder is not thereby disqualified from quoting prices to other Bidders, or from submitting a Bid directly for the work.

4.4 Modification or Withdrawal of Bid

4.4.1 A Bid may not be modified, withdrawn or canceled by the Bidder during the stipulated time period following the time and date designated for the opening of Bids, and each Bidder so agrees in submitting their Bid.

4.4.2 Bidders may withdraw their bid either personally or by written request at any time prior to the time and date for receipt of bids due.

Prior to the time and date designated for opening of Bids, any Bid submitted may be modified or withdrawn by notice to the City at the place designated for receipt of Bids. Such notice shall be in writing with the signature of the Bidder, so worded as not to reveal the amount of the original Bid, and delivered in person, by email or by fax. If by fax or email, the properly notarized notice shall be received before the time and date set for opening of Bids. Notices may be sent by fax to 907-892-7677 or email to clerk@houston-ak.gov. The City shall not be responsible for the opening or security of modifications or withdrawals submitted by fax or email. Contractors are advised to call the City Clerk at 907-892-6869 ext. 205 to verify receipt of faxed or emailed notices.

4.4.3 Withdrawn Bids may be resubmitted up to the time designated for the receipt of Bids, provided that they are then fully in conformance with these Instructions to Bidders.

4.4.4 Bid Guarantee, if any is required, shall be in an amount sufficient for the Bid as modified or resubmitted.

ARTICLE 5 - CONSIDERATION OF BIDS

5.1 Opening of Bids

5.1.1 The properly identified Bids received on time will be opened in the presence of one or more non Purchasing Division staff. An abstract of the Base Bids and Alternate Bids, if any, will be made available to Bidders upon request after the Purchasing Officer has tabulated or summarized the results.

5.1.2 No responsibility will attach to the City or its representatives for the premature opening of, or the failure to open, a Bid not properly delivered and/or identified.

5.1.3 When vendors and/or contractors propose equal pricing (or tie bids), bids will be reviewed by the Purchasing Officer to determine responsiveness. If all requirements for the bid being responsive are met, then the award or recommendation of the award will be made in favor of the bid which received the earliest time stamp prior to bid opening.

5.2 Rejection of Bids

5.2.1 The City shall have the right to reject any or all Bids and to reject a Bid not accompanied by any required Bid Guarantee or by other data required by the Bidding Documents, or to reject a Bid which is in anyway incomplete or irregular.

5.3 Acceptance and Award

5.3.1 This Contract, if awarded, shall be made only to a qualified, responsive and responsible bidder who submits the lowest bid. The Purchasing Officer shall determine whether a bidder is qualified, responsive and responsible based on:

- A. The skill and experience demonstrated by the Bidder in performing contracts of a similar nature;
- B. The Bidder's record of honesty and integrity;
- C. The Bidder's capacity to perform in terms of facilities, personnel, and financing;
- D. Whether the Bidder has been debarred or suspended under Section 3.08.235 of the CITY OF HOUSTON Code.
- E. At all times the best interests of the City shall be recognized in awarding bids.

5.3.2 The City may waive any informality or irregularity or correct any purely arithmetical or clerical error apparent on the face of the Bid in any Bid or Bids received, when

such waiver or correction is in the interest of the City. The City reserves the right to reject any and all Bids.

5.3.3 The City further reserves the right to accept or reject any or all items of any Bid, unless the Bidder qualifies such Bid by specific limitation; also to make an award to the Bidder whose aggregate Bid or any combination of Bid items is lowest.

5.3.4 The City shall have the right to select and accept Alternates in any order or combination, and to determine the low Bidder on the basis of the sum of the Base Bid and the Alternates accepted.

5.3.5 The Bidders past performance under City Agreements; If the Bidder has failed in any material way to perform its obligations under any Agreement with the City, the Bidder may be determined as a non-responsible Bidder.

ARTICLE 6 - POST BID INFORMATION

6.1 Contractor's Qualification Statement

6.1.1 Bidders to whom award of a Contract is under consideration shall submit to the Purchasing Officer upon request, a properly executed Contractor's Qualification Statement, unless such a Statement has been previously required and submitted as a prerequisite to the issuance of Bidding Documents.

6.1.2 Bidders shall attach to the Qualification Statement a sheet listing the following four additional requirements and submit to the Purchasing Officer:

- A. Names of surety companies utilized in the last five years.
- B. Estimate Progress Schedule for the completion of the work.
- C. A resume of the Company and of the job Superintendent for the project.
- D. A list of other projects planned to be concurrent with the construction phase of this project.

ARTICLE 7 – PAYMENT AND PERFORMANCE BONDS

For any bid exceeding \$50,000 for total of all base items and alternates, the successful Bidder shall furnish the Purchasing Officer a Performance and Payment Bond in the full amount of the Agreement and shall maintain the Bond in force during the continuance of the Agreement including the one-year warranty period, unless otherwise specified. The Bond shall be for the faithful performance of the Agreement in all respects including, but not limited to, payments for all materials and labor. All alterations, extensions of time, additional work and other changes authorized by the Agreement Documents may be made without securing the consent of the Surety or Sureties. Power-of-Attorney for the person signing the Bond for the Surety must be submitted with the Bond. Local Bond

Exemptions under MSB 3.08.530 will NOT be considered for this project.

ARTICLE 8 - FORM OF AGREEMENT BETWEEN CITY AND CONTRACTOR

The Contract shall be in the form provided with the Bidding Documents.

ARTICLE 9 - SUBSTITUTION OF MATERIALS AND METHODS

There will be no substitutions prior to award of contract unless otherwise specified.

ARTICLE 10 - TYPE OF SPECIFICATIONS

10.1 Technical Provisions

10.1.1 The technical provisions of these Specifications are the abbreviated or "streamlined" type and include incomplete sentences. Omission of words or phrases such as "the Contractor shall", "in conformity therewith", "shall be", "as noted on the drawings", "according to the plans", "a", and/or "the", are intentional. Omitted words or phrases shall be supplied by inference in the same manner as they are when a note occurs on the Drawings.

10.1.2 The Contract shall provide all items, articles, materials, operations, or methods listed, mentioned, or scheduled on the Drawings and/or herein, including labor, necessary equipment and parts, for adequate performance and sound construction as intended by these documents.

10.1.3 Wherever the word "approved", "satisfactory", "directed", "submitted", "inspected", "notify" or similar words or phrases are used, it shall be assumed that the word "Purchasing Officer" follows the verb as the object to the clause, such as "approved by the Purchasing Officer" or "submitted to the Purchasing Officer".

10.1.4 Wherever "or equal" or similar phrases are used, it shall be assumed that decisions as to quality and design shall rest with the Purchasing Officer. All equal items shall be approved in writing.

ARTICLE 11 - SUBCONTRACTORS

The apparent low bidder shall list the names of the proposed subcontractors and suppliers as provided on the form under, "Proposed Subcontractors and Suppliers". A list of all other subcontractors and suppliers who are to furnish the principal items of labor, equipment, and material proposed for the work shall be submitted within 24 hours of being requested. If none are utilized, state "None".

ARTICLE 12 - PREPARATION OF BIDS

12.1 Follow instructions in Article 4.3.1 of these Instructions to Bidders.

12.2 To be considered responsive, all of the required documents must be included with the Bid Submission.

ARTICLE 13 - BIDDER VIOLATIONS OF TAX OBLIGATIONS

13.1 No Contract shall be awarded to any individual, firm, corporation, or business that is found to be delinquent in any area of taxation, lease or rental agreement with the City which has not been remedied within ten calendar days of receipt of written notice.

13.2 This Contract can be terminated for cause if it is determined that the individual, firm, corporation or business is in arrears of any taxation, lease or rental agreement that is due to the City that is not remedied within ten calendar days of notification by certified mail.

13.3 The City reserves any right it may have to offset amounts owed by an individual, firm, corporation, or business for delinquent City taxes against any amount owing to the same under a Contract between the City and the same.

ARTICLE 14 - EXECUTION OF CONTRACT

14.1 The Bidder whose Bid is accepted shall execute the Contract and furnish the required bonding and insurance within five working days after Notice of Intent to Award of the Contract is issued. The Contract shall be considered executed by the successful Bidder when the Contract is signed by an authorized representative of the Bidder and the bond(s) and insurance certificate(s) are received by the Purchasing Officer. Failure or neglect of the Bidder to execute the Contract within the time specified may result in a forfeiture of the Bid Guarantee and award of the Contract to the next lowest Bidder.

14.2 The City will execute the Contract within ten calendar days after execution by the Bidder as set forth above. The date the Contract is executed by the City is the Contract Date. The rights and obligations provided for in the Contract shall become effective and binding upon the parties as of the Contract Date.

ARTICLE 15 - INSURANCE REQUIREMENTS

See Insurance Requirements in Sample Agreement.

ARTICLE 16 - STATE OF ALASKA PREVAILING WAGE SCALE/CERTIFIED PAYROLL

Not required on Public Assistance Granted projects. This is for both State or Federal programs. It's written into Federal PA policy and the State's Administration Plan for State Disasters.

ARTICLE 17 - LOCAL BIDDER PREFERENCE

Purchase orders shall be awarded to the lowest qualified, responsive and responsible Bidder, provided that, if the lowest bids are approximately equal, that is, within the

lesser of \$2,000 or 5% of each other, preference may be given to local Bidders who maintain and operate businesses within the boundaries of the City of Houston. HMC 4.10.190 Local vendor preference.

ARTICLE 18 -

Reserved

ARTICLE 19 - ALASKA AND CONTRACTORS LICENSES

All bidders must be in compliance with state of Alaska Statutes 08.18 and 45.70.

ARTICLE 20 - PROTEST OF AWARD OF BID

Within two days of service of the Purchasing Agent determination of the apparent successful bid, a Bidder who wishes to protest the determination shall lodge a protest with the Purchasing Officer. The protest shall be in writing on a form provided by the Purchasing Officer. The protest shall describe with particularity the alleged errors in the award recommendation. The Purchasing Officer shall conduct a review and, within three working days of receipt of the protest, issue a determination. Full text of the protest and appeal procedures, as well as the protest form, can be obtained by contacting the City Clerk.

In order to receive notice of the apparent successful bid, the Bidder must provide the City with an email address. It is the responsibility of the Bidder to follow the selection process and stay apprised of the bid due date, the date notice of apparent successful bidder is issued and the period in which protests may be filed.

ARTICLE 21 - ACCEPTANCE OF CONTRACT/AGREEMENT TERMS AND CONDITIONS

By signing the Bid Submittal Form, the bidder certifies that they have examined and accept the terms and conditions of the contract or agreement contained in this solicitation. The acceptance is inclusive of, but not limited to, all CONTRACT REQUIREMENTS, TERMS AND CONDITIONS, GENERAL PROVISIONS, AND SUPPLEMENTAL CONDITIONS along with any and all conditions contained in the INSTRUCTIONS TO BIDDERS associated with this solicitation. Submission of a bid in response to this solicitation, certifies that the bidder is willing to accept these terms and understands that failure to accept these terms will subject the bidder to forfeiture of the contract/agreement and loss of any bid guarantee as liquidated damages as outlined in the bid documents.

Bidders are encouraged to carefully examine the insurance requirements, any bonding requirements, and any Defense and Indemnification clause contained in the sample contract/agreement.

ARTICLE 22 - FLOW DOWN PROVISIONS

This Contract may include flow down provisions. This Contract may be issued in connection with another government agency and may include flow down or contract provisions required by that agency. In the event of a conflict between the terms and conditions of the general agreement and any flow down terms and conditions, the flow down terms and conditions shall govern. The Consultant agrees to comply with any and all flow down or contract provisions required by the City or another government agency that are included in the Contract. In the event that flow down or contract provisions required by other agencies or by Law are inadvertently omitted from this Contract, both parties agree to negotiate in good faith for that provisions inclusion into the Contract.

ARTICLE 23 - CONTRACTORS WARRANTY

All work under the Agreement shall be under warranty by the Contractor for one year from the Final Acceptance Date except when a different period is identified in the SPECIFICATIONS/SCOPE OF WORK. This warranty shall require the Contractor to remedy promptly, without cost to the Owner, any and all defects in material and workmanship including any consequential damages resulting from defective materials or workmanship. If the defect, in the opinion of the City Representative, is of such nature as to demand immediate repair, the City shall have the right to take corrective action and the cost thereof shall be borne by the Contractor.

ARTICLE 24 - ENVIRONMENTAL SPILLS

Reporting or clean-up of any spills of oil and/or hazardous substances larger than one gallon must be reported to ADEC by the Contractor. Any quantity of a spilled hazardous substance must be cleaned up, containerized, and disposed of in a proper manner. All spills in the water must be reported immediately to ADEC. Clean-up procedures are specified in ADEC's Oil and Hazardous Substances Pollution Control Regulations, 18AAC75. All inquiries may be directed to the Wasilla ADEC office at 376-5038.

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**SECTION III
SCOPE OF WORK &**

MODIFICATIONS AND SPECIAL PROVISIONS TO STANDARD SPECIFICATIONS

ITB #COH 01-2024-AK-22-288-PW-0822-C
Reconditioning Nine Flood Damaged Roads
SCOPE OF WORK

General

This project includes reconditioning and resurfacing flood damaged roads, driveways, and approaches in the city of Houston. This project will involve, but is not limited to, clearing, grubbing, excavation, import and placement of borrow material, import and placement of aggregate surface courses, installing and replacing drainage culverts, and placing topsoil and seed. Grading, drainage, and other miscellaneous items of work will be done as necessary.

All construction shall be completed in accordance with the Alaska Department of Transportation and Public Facilities (DOT&PF) Standard Specifications for Highway Construction (SSHC) 2017 Edition. Project specific special provisions are provided in the Project Specs and Mods document. The requirements contained in these specifications and special provisions are hereby made a part of this solicitation and resultant contract.

- This project is located approximately 0.7 miles South of Houston City Hall along the Parks Highway. The project may be accessed by heading east 0.7 miles on West King Arthur Drive. See project location and vicinity maps.
- Contractor is to supply labor, supervision, equipment, materials, and supplies to perform the required work without any adjustments in the original bid amount or contract time.
- Contractor is required to obtain an ADEC APDES permit prior to work activities. Utility relocation work done by the utility companies will be performed under this permit.
- Contractor shall coordinate the road improvements with all utility relocation work. Request locates from the utilities having facilities in the area. Use the Alaska Digline, Inc. Locate Call Center. See Section 105-1.06 for digline number and a list of utility companies in the area.
- Work Zone speed limit: Limit speed of vehicles associated with construction to 20 miles per hour within project limits.
- Alaska DOT&PF Right of Way permit is being procured and will be provided at a later date. Contractor will be responsible to apply for and procure a lane closure permit from DOT&PF to perform the work within DOT&PF Right of Way.
- Normal work time will be between 7 a.m. and 7 p.m. Extensions will be considered and approved by the City's Representative.
- Contractor shall complete ROW and utility easement staking and clearing and all necessary SWPPP items for utility relocation support upon NTP. This work shall be included in items 201(3B), 642(1), 641(1), and 641(3). Additional stump removal for utility support will be directed if needed and is not included in these items. The anticipated additional utility conflicts include minimum telecom cover depth, overhead utility clearance, and pedestal/utility pole in limits of disturbance.
- Time is of the essence. Work shall be completed in one continuous timeframe after utility relocations are completed. Notice to Proceed is anticipated for July 12 of 2024. Contractor shall complete the work no more than 60 Calendar Days after commencing operations. All work shall be completed by September 30, 2024.
- Estimated project magnitude is less than \$1,200,000.

ITB #COH 01-2024-AK-22-288-PW-0822-C

**SECTION IV
BID FORM**

BID FORM
SOLICITATION # COH 01-2024-AK-22-288-PW-0822-C
RECONDITIONING NINE FLOOD DAMAGED ROADS IN THE CITY OF HOUSTON

Having carefully examined the Project Plans and Specifications and all Bidding and Contract Documents as listed in the "Table of Contents" and in compliance with the "Invitation for Bids", the undersigned hereby proposes to furnish all materials, labor, equipment, and supervision necessary to complete the **RECONDITIONING NINE FLOOD DAMAGED ROADS IN THE CITY OF HOUSTON** for the City of Houston in full accordance with the Bidding Documents:

(The bidder shall insert a Unit Bid Price and an Extended Price (where applicable) opposite each Pay Item that appears in each Schedule. Estimated quantities in this bid form are for lowest bid determination only. Wherever a contingent sum is shown for any item in this Bid Schedule, such amount shall govern and be included in the Bid total. The award will be based on total base bid plus any alternates selected.

BASE BID

Item No.	Work Description	Pay Unit	Est. Quant.	Unit Price	Extended Price
201 (3B)	Clearing and Grubbing	Lump Sum	All Req'd		\$
202(4)	Removal of Culvert Pipe	Linear Foot	1,270		
202(13)	Removal of Structures and Obstructions	Lump Sum	All Req'd		
203(3)	Unclassified Excavation	Cubic Yard	9,090		
203(6B)	Borrow, Type B	Cubic Yard	4,410		
301(4)	Aggregate Surface Course, Grading E-1	Ton	8,230		
303(1)	Reconditioning	Station	122		
603(1-12)	12 Inch CMP	Linear Foot	2,350		
603(1-18)	18 Inch CMP	Linear Foot	900		
615(2)	Remove and Relocate Existing Sign	Each	9		
618(2A)	Seeding, Type A	Pound	180		
620(1)	Topsoil	Square Yard	9,590		
639(1B)	Residence Driveway, Gravel	Each	83		

Signature _____

Date _____

Company Name _____

BID FORM CONTINUED ON THE FOLLOWING TWO (2) PAGES

BID FORM (CONTINUED)
SOLICITATION # COH 01-2024-AK-22-288-PW-0822-C
RECONDITIONING NINE FLOOD DAMAGED ROADS IN THE CITY OF HOUSTON

Item No.	Work Description	Pay Unit	Est. Quant.	Unit Price	Extended Price
639(3)	Public Approach	Each	8		
640 (1)	Mobilization and Demobilization	Lump Sum	ALL REQUIRED		
641 (1)	Erosion and Pollution Control Administration	Lump Sum	ALL REQUIRED		
641 (3)	Temporary Erosion and Pollution Control	Lump Sum	ALL REQUIRED		
642 (1)	Construction Surveying	Lump Sum	ALL REQUIRED		
642 (2)	Two Person Survey Party	Hour	72		
643 (2)	Traffic Maintenance	Lump Sum	ALL REQUIRED		
643 (3)	Permanent Construction Signs	Lump Sum	ALL REQUIRED		
800 (1)	Interim Work Authorization	Contingent Sum	ALL REQUIRED		
TOTAL BASE BID				\$	

Signature

Date

Company Name

BID FORM CONTINUED ON THE FOLLOWING ONE (1) PAGE

BID FORM (CONTINUED)
ITB #COH 01-2024-AK-22-288-PW-0822-C
RECONDITIONING NINE FLOOD DAMAGED ROADS IN THE CITY OF HOUSTON

By signing below, the Bidder is hereby certifying to the following:

1. The Bidder has carefully examined the bid document(s) and agrees to perform all specified services for the sum(s) provided above.
2. The individual signing below, or the firm association or corporation of which they are a member, has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this solicitation.
3. The individual signing below is authorized by the firm association or corporation to bind such association or corporation to a legal contract.
4. The individual signing below, or the firm association or corporation of which they are a member, is not debarred or suspended from doing business with the CITY OF HOUSTON.
5. The individual signing below, or the firm, association or corporation of which they are a member, does not violate the conflict of interest provisions contained in 2 CFR 200.318.
6. The individual signing below, or the firm association or corporation of which they are a member, understands that 10% of all labor hours worked for this contract is to be performed by apprentices in accordance with 3.08.450 & instructions to bidders article 25.
7. They are acknowledging receipt of the following Addenda Numbers (if no addenda have been issued, either leave blank or write "N/A"):

Addenda numbers being acknowledged: _____

Company Name

Date

Mailing Address

Signature

City, State and Zip Code

Printed (or typed) Name

Contact Person (printed or typed)

Title (printed or typed)

Phone Number

Email Address (Contact Person)

Facsimile Number

State and Specialty License Numbers

It shall be the responsibility of the Bidder to see that their bid is received before the date and time fixed for Bids Due.

To be considered responsive, Bidders should include the following with their bid:

- ✓ Signed Bid Form (acknowledging Addenda if applicable)
- ✓ Bid Guarantee (per Article 4.2 of the Bid Document)
- ✓ Other Items required in Instructions to Bidders & Specifications/Scope of Work

ITB #COH 01-2024-AK-22-288-PW-0822-C

SECTION V
SAMPLE AGREEMENT

CONSTRUCTION AGREEMENT
BETWEEN CITY OF HOUSTON AND CONTRACTOR
ITB #COH 01-2024-AK-22-288-PW-0822-C
RECONDITIONING NINE FLOOD DAMAGED ROADS

THIS AGREEMENT is made this _____ day of _____, 20____, and between:

CITY OF HOUSTON (hereinafter the "city") and

SELECTED CONTRACTOR

(hereinafter the "CONTRACTOR")

The parties agree as follows:

SECTION 1. WORK. The Contractor will do all work described in the Agreement documents listed in Section 11. The work is more specifically identified as:

Insert Text here, use AD language, general description.

SECTION 2. AGREEMENT TERM. This Agreement shall begin upon execution of this Agreement by both parties and shall expire upon completion of all duties by the Contractor to the satisfaction of the Contracting Officer.

SECTION 3. AGREEMENT TIME. The work shall begin no later than ten days after a Notice to Proceed is issued by the Contracting Officer. Substantial Completion is set at **Month Day, Year**, with Final Completion of **Month Day, Year**.

SECTION 4. AGREEMENT PRICE. The City shall pay the Contractor a total sum of **ENTER TOTAL DOLLAR AMOUNT IN WORDS (WRITE DOLLAR AMOUNT IN FIGURES IN PARENS)** for the work specified in the Agreement documents.

SECTION 5. METHOD OF PAYMENT. A single sum on short-term Agreements (30 days or less) and monthly payments on long-term Agreements (31 days or longer) shall be paid to the Contractor within 30 working days after the Contracting Officer receives and approves a written Request for Payment from the Contractor. A copy of all certified payrolls submitted to the state of Alaska must precede or accompany any payment requests. Final payment will not be made until the Contractor has completed and submitted to the contracting officer a Contractor's Release and Affidavit of Payment of Debts and Claims, and submitted the Department of Labor Notice of Completion with final payment request. **Consent of Surety to Final Payment must also be submitted if applicable.**

SECTION 6. RELATIONSHIP OF THE PARTIES. The Contractor shall perform all obligations under this Agreement as an independent Contractor of the City. The City will administer this Agreement and monitor the Contractor's performance within the Agreement but shall not supervise or otherwise direct the Contractor except as provided in this Agreement.

SECTION 7. ASSIGNMENTS AND SUBCONTRACTORS. The Contractor may not assign any interest in the Agreement to another person, nor delegate any duties to a subcontractor or other person without the prior written approval of the Contracting Officer. Any attempt by the Contractor to assign any interest or delegate duties under this Agreement shall give the City the right to immediately terminate this Agreement without any liability for work performed subsequent to termination.

SECTION 8. WARRANTY. The Contractor expressly warrants that all materials used will be of the best quality locally available and that all workmanship will meet the highest standards of the trade. The Contractor guarantees to answer personally for all materials and workmanship supplied to the City and shall undertake to correct workmanship or defect in materials found by the Contracting Officer, or his delegate.

SECTION 9. DEFENSE AND INDEMNIFICATION.

- A. The Contractor shall indemnify, defend, and hold and save the City, its elected and appointed officers, agents and employees, harmless from any and all claims, demands, suits, or liability of any nature, kind or character, including costs, expenses, and attorney fees. The Contractor shall be responsible under this clause for any and all legal actions or claims of any character resulting from injuries, death, economic loss, damages, violation of statutes, ordinances, constitutions or other laws, rules or regulations, contractual claims, or any other kind of loss, tangible or sustained by any person, or property arising from Contractor's or Contractor's Officers, agents, employees, partners, attorneys, suppliers, and subcontractor's performance or failure to perform this Agreement in any way whatsoever. This defense and indemnification responsibility includes claims alleging acts or omissions by the City or its agents which are said to have contributed to the losses, failure, violations, or damage. However, Contractor shall not be responsible for any damages or claim arising from the sole negligence or willful misconduct of the City, its agents, or employees.
- B. If any portion of this clause is voided by law or court of competent jurisdiction, the remainder of the clause should remain enforceable.

SECTION 10. TERMINATION. This Agreement may be terminated by the City:

- A. if the Contractor fails to perform any obligation under this Agreement; or
- B. for any reason upon ten days written notice to the Contractor; or
- C. under Section 7 of this Agreement.

Upon termination of this Agreement, the City shall pay the Contractor for all work completed to the satisfaction of the Contracting Officer as of the date termination is effective.

SECTION 11. AGREEMENT DOCUMENTS AND INTEGRATION.

- A. This Agreement and those documents and appendices incorporated by reference by "B" of this section shall constitute the entire Agreement of the parties. There are no promises, terms, conditions, or obligations other than those stated in this Agreement and its appendices, and this Agreement shall supersede all previous communications, representations, or agreements, either oral or written, between the parties.
- B. The following documents are incorporated in full text or by reference into this Agreement:

FULL TEXT	REFERENCE
Exhibit A - Bid Form	CITY OF HOUSTON License
Exhibit B - Scope of Work/Specifications	State of Alaska Business License
Exhibit C - Addendum(a) Issued	Contractor's License
Exhibit D - Certificate of Insurance	State of AK DOT Standard Specifications for Highway Construction - #### Edition
Exhibit E - Payment & Performance Bonds	ITB #COH 01-2024-AK-22-288-PW-0822-C - Solicitation documents and attachments

SECTION 12. MODIFICATIONS. The City may require modifications in the Scope of Work performed or other terms of this Agreement. It is expressly understood that no changes will be authorized without the written and signed consent of the Contractor and the City Purchasing Officer or City Manager. All such changes shall be in the form of a Change Order and shall be incorporated into this Agreement.

SECTION 13. EQUAL EMPLOYMENT OPPORTUNITY.

- A. The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, physical handicap, age, status as a disabled veteran, or veteran of the Vietnam war era. The Contractor shall take affirmative action to ensure that applicants are employed and that employees are treated during employment without regard to their race, color, religion, sex, national origin, physical handicap, age, status as a disabled veteran, or veteran of the Vietnam war era. Such actions shall include, but not be limited

to the following: employment, upgrading, demotions, or transfers; recruitment or recruitment advertising; layoffs or terminations; rates of pay or other forms of compensation; selection for training, including apprenticeship; and participation in recreational and educational activities. The Contractor agrees to post in conspicuous places available for employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause. The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, physical handicap, age, or status as a disabled veteran, or veteran of the Vietnam war era. The Contractor will cause the foregoing provisions to be inserted in all subcontracts for any work covered by this Agreement. The Contractor shall keep such records and submit such reports concerning the equal opportunity employment provisions set forth in this section for applicants for employment and employees as the City may require.

- B. The Contractor shall keep such records and submit such reports concerning the racial and ethnic origin of applicants for employment and employees as the City may require.

SECTION 14. INTEREST OF MEMBERS OF CITY AND OTHERS. No officer, member, or employee of the City, and no member of its governing body, and no other public official of the governing body, shall participate in any decision relating to this Agreement which affects his personal interest or the interest of any corporation, partnership or association in which he is, directly or indirectly, interested or having any personal or pecuniary interest, direct or indirect, in this Agreement or the proceeds thereof.

SECTION 15. CONFLICT OF INTEREST. The Contractor, all employees of the Contractor, contractors and other personnel employed by the Contractor providing the services under this Agreement shall in no way stand to gain financially from the terms of this Agreement except for wages, salaries or bonuses paid by the Contractor and shall abide by federal, state, and local laws and regulations associated with conflict of interest and financial disclosure. The Contractor covenants, that he presently has no interest and shall not acquire any interest, direct or indirect, which would conflict in any manner or degree with the performance of services required to be performed under this Agreement. The Contractor further covenants that in the performance of this Agreement, no person having any such interest shall be employed.

SECTION 16. AUDITS AND INSPECTIONS. At any time during normal business hours and as often as the City or the Comptroller General of the United States may deem necessary, there shall be made available for examination all of the Contractor's records with respect to all matters covered by this Agreement and the Contractor will permit representatives of the City or the Comptroller General to audit, examine, and make excerpts or transcripts from such records, and to make audits of all contracts, invoices, materials, payrolls, records, personnel information, conditions of employment, and other data relating to all matters covered by this Agreement.

SECTION 17. JURISDICTION; CHOICE OF LAW. Any civil action arising from this Agreement shall be brought in the Superior Court for the Third Judicial District of the state of Alaska at Palmer. The law of the state of Alaska shall govern the rights and obligations of the parties.

SECTION 18. NON-WAIVER. The failure of the City at any time to enforce a provision of this Agreement shall in no way constitute a waiver of the provisions, nor in any way effect the validity of this Agreement or any part thereof, or the right of the City thereafter to enforce each and every protection hereof.

SECTION 19. PERMITS, LAWS AND TAXES. The Contractor shall acquire and maintain in good standing all permits, licenses and other entitlements necessary to its performance under this Agreement. All actions taken by the Contractor under this Agreement shall comply with all applicable statutes, ordinances, rules and regulations. The Contractor shall pay all taxes pertaining to its performance under this Agreement.

SECTION 20. SEVERABILITY. If any provision of the Agreement or the application thereof to any person or circumstances is held invalid, the remainder of this Agreement and its application to other persons or circumstances shall not be affected thereby.

SECTION 21. RULE OF INTERPRETATION. This Agreement shall not be interpreted for or against either party, but shall be interpreted according to its fair and reasonable intent.

SECTION 22. NOTICES. Any notice required pertaining to the subject matter of the Agreement shall be personally delivered or mailed by prepaid first-class, registered or certified mail to the following address:

City: Physical Address: 13878 Armstrong Road, Houston, Alaska 99654 – Mailing Address PO Box 940027 Houston Alaska 99694

Contractor: (Insert Contractor's address here)

SECTION 23. INSURANCE.

It is specifically agreed between the parties executing this Agreement that it is not intended by any of the provisions of the Agreement to create in the public or any member thereof a third party benefit hereunder, or to authorize anyone not a party to this Agreement to maintain a suit for personal injuries or property damage pursuant to the terms or provisions of this Agreement.

It is highly recommended that the Contractor confer with their respective insurance companies or brokers to determine if their insurance program complies with the City's Insurance requirements.

The Contractor shall procure and maintain the following insurances:

A. Minimum Scope of Insurance

Coverage shall be at least as broad as:

1. Insurance Services office form number CG 0001 covering Commercial General Liability.
2. Insurance Services office form number CA 0001 covering Automobile Liability, symbol 1 "any auto".
3. Worker's Compensation insurance as required by the State of Alaska and Employers Liability Insurance.

B. Minimum Limits of Insurance

Contractor shall maintain limits no less than:

1. General Liability

\$1,000,000 combined single limit per occurrence for bodily injury, property damage, personal injury and advertising injury.

\$2,000,000 Products/Completed Operations

\$2,000,000 General Aggregate Limit. The general aggregate limits shall apply separately to each project.

If the general liability insurance is written on a claims made form, the Contractor shall provide insurance for a period of two years after final payment of this agreement. The policy(s) shall evidence a retroactive date, no later than the beginning of this Agreement.

2. Auto Liability:

\$1,000,000 combined single limit per accident for bodily injury and property damage.

3. Worker's Compensation and Employers Liability:

Worker's Compensation shall be statutory as required by the State of Alaska. Employers liability shall be endorsed to the following minimum limits:

Bodily Injury - **\$1,000,000** Per Occurrence

Bodily Injury - **\$1,000,000** Per Employee

Bodily Injury by Disease - **\$1,000,000** Policy Limit

4. Excess Liability:

In order to meet the required minimum limits of insurance it is permissible for the Contractor to combine an excess liability or umbrella policy with the general liability, auto liability or employers liability. In the instance where the Contractor purchases an excess liability or umbrella policy the occurrence limit and the aggregate limit may be of the same amount.

C. Deductibles and Self-Insured Retention

Prior to work commencing any deductible or self-insured retention must be declared and approved by the City. The Contractor may be requested to demonstrate how the deductible or self-insured retention will be funded in the event of a claim. At the option of the City, the Contractor shall reduce or eliminate such deductibles or self-insured retention as respects the City, its officers, officials, employees and volunteers; or the Contractor shall procure a bond guaranteeing payment of losses and related investigations, claim administration and defense expenses.

D. Other Insurance Provisions

The policies are to contain, or be endorsed to contain, the following provisions:

1. General Liability and Automobile Liability

- a. The City, its Administrator, officers, officials, employees and volunteers are to be covered as additional insureds as respects: liability arising out of activities performed by or on behalf of the Contractor; products and completed operations of the Contractor premises owned, occupied or used by the Contractor or automobiles owned, leased, hired or borrowed by the Contractor. The coverage shall contain no special limitation on the scope of protection afforded to the City, its Administrator, officers, officials, employees and volunteers.
- b. The Contractor's insurance coverage shall be primary insurance as respects the City, its Administrator, officers, officials, employees and volunteers. Any insurance or self-insurance maintained by the City, its Administrator, officers, officials, employees and volunteers shall be excess of the Contractor insurance and shall not contribute to it.
- c. The Contractor insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

2. Worker's Compensation and Employer's Liability

The insurer shall agree to waive all rights of subrogation against the City, its Administrator, officers, officials, employees and volunteers for losses arising from work performed by the Contractor or any subcontractor for the City.

3. All Insurance

Each insurance policy required by this Agreement shall be endorsed to state that coverage shall not be suspended, voided, canceled by either party, reduced in coverage or in limits except after 30 days prior written notice for nonpayment of premium or fraud on the part of the Contractor or 60 days prior written notice for any other reason by certified mail, return receipt requested, has been given to the City. Such notice shall be mailed by the Contractor to the attention of the City's Purchasing Officer.

E. Acceptability of Insurers

Insurance is to be placed with insurers with a minimum A.M. Best rating of A-VII.

F. Verification of Coverage

Contractor shall furnish the City with certificates of insurance and with certified copies of all endorsements effecting coverage required by this clause. The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. The certificates are to be on forms acceptable to the City. All certificates are to be received and approved by the City before work commences. The City reserves the right to require complete, certified copies of all required insurance policies, at any time.

G. Subcontractors

Contractor shall include all subcontractors as insured under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverage for subcontractors shall be subject to all requirements stated herein.

H. Lapse in Coverage

A lapse in insurance coverage is a material breach of this agreement which may result in immediate termination of the agreement, pursuant to the appropriate Section within the contract.

SECTION 24. AGREEMENT ADMINISTRATION.

- A. The City Mayor, or their designee, will be the representative of the City administering this Agreement.
- B. The services to be furnished by the Contractor shall be administered, supervised, and directed by:

PRINTED NAME

TITLE

In the event that the individual named above or any of the individuals identified in the Bid to perform work under the Agreement is unable to serve for any reason, the Contractor shall appoint a successor in interest subject to a written approval of the CITY OF HOUSTON.

SECTION 25. UNDERSTANDING. The Contractor acknowledges that the Contractor has read and understands the terms of this Agreement, has had the opportunity to review the same with counsel of the Contractor's choice, and is executing this Agreement of the Contractor's own free will.

SECTION 26. CONTRACTORS' VIOLATIONS OF TAX OBLIGATIONS.

- A. Any Contractor in arrears on a City obligation, including, but not limited to tax, assessment, lease, sale, or rental payments, whether as an individual, or as a representative of a business, organization, firm, corporation, or partnership, shall not be awarded the Agreement if the delinquency is not cured within ten calendar days of receipt of written notice sent by the City of the delinquency.
- B. This Agreement can be terminated for cause, pursuant to Section 10, if it is determined that a Contractor, whether the amounts owed are in the name of the Contractor as an individual or as a representative of a firm, business, corporation, or partnership, is in arrears of any taxation, lease or rental agreement that is due to the City that is not remedied within 10 calendar days of notification by regular mail.
- C. The City reserves any right it may have to offset amounts owed by an individual, firm, corporation or business for delinquent City taxes, moneys owed on sales, assessments, leases and rental agreements, against any amount owing to the same under an Agreement between the City and the same.

SECTION 27. ENVIRONMENTAL SPILLS. Reporting or clean-up of any spills of oil and/or hazardous substances larger than one gallon must be reported to ADEC by the Contractor. Any quantity of a spilled hazardous substance must be cleaned up, containerized, and disposed of in a proper manner. All spills in the water must be reported immediately to ADEC. Clean-up procedures are specified in ADEC's Oil and Hazardous Substances Pollution Control Regulations, 18AAC75. All inquiries may be directed to the Wasilla ADEC office at 376-5038.

SECTION 28. THIRD PARTY FINANCING AGREEMENTS AND/OR ASSIGNMENTS OF PAYMENT NOT ALLOWED.

Because of additional administrative and accounting time required of City departments/divisions when third party financing agreement and/or assignments of payment are permitted, they will not be allowed under any agreement resulting from this Invitation to Bid.

SECTION 29. FLOW DOWN PROVISIONS. This Contract may include flow down provisions. This Contract may be issued in connection with another government agency and may include flow down or contract provisions required by that agency. In the event of a conflict between the terms and conditions of the general agreement and any flow down terms and conditions, the flow down terms and conditions shall govern. The Consultant agrees to comply with any and all flow down or contract provisions required by the City or another government agency that are included in the Contract. In the event that flow down or contract provisions required by other agencies or by Law are inadvertently omitted from this Contract, both parties agree to negotiate in good faith for that provisions inclusion into the Contract.

SECTION 30. CONTRACTS ENFORCEABLE AGAINST THE CITY (HMC CODE 4.10.110). A contract for supplies, services, professional services or construction, or any amendment to the contract, may not be enforced against the City unless its terms have been approved in accordance with this chapter, and unless the contract or amendment to the contract has been set forth in writing, executed in accordance with this chapter.

SECTION 31. PUBLICATION, REPRODUCTION AND USE OF MATERIALS. No material produced, in whole or in part, under this Agreement shall be subject to copyright in the United States or in any other country. The City shall have unrestricted authority to publish, disclose, distribute and otherwise use, in whole or in part, any reports, data or other materials prepared under this Agreement.

SECTION 32. AUTHORITY OF THE PURCHASING AGENT (HMC Code 4.10.030)

All City contracts for supplies, services, professional services and construction, and any amendments to the contracts shall be signed by the Manager or the Purchasing Officer.

HMC Code 4.10.070, .080, and .090 CONTRACT AMENDMENTS; ASSEMBLY APPROVAL states

- A. Contract amendment shall not be used to avoid procurement by the competitive procedures establish under this title.
- B. Except for emergency procurement authorized under HMC 4.10.150, contracts for supplies, services, profession services and construction may be amended by the Mayor or the Purchasing Officer with the approval of the City Council, as set forth in HMC 4.10.090, only for the following reasons:
 - Contract amendments shall not be used to avoid procurement by the competitive procedures established under this chapter.
 - A contract amendment shall not be executed unless the Council has approved a memorandum setting forth the changes to the essential terms of the contract if the amendment will cause the price of the contract, as amended, to exceed:
 - 1. Twenty thousand dollars; or
 - 2. One hundred ten percent of the original contract price or \$20,001, whichever is greater, if the original contract price exceeded \$20,000. (Ord. 13-17 § 4, 2013)

For these purposes, the Purchasing Officer is defined as Mayor Carter Cole during absences of the Purchasing Officer, the Assistant Purchasing Officer has been delegated the authority to act as the Purchasing Officer.

AUTHORITY OF THE CITY Public Works Director

The City Public Works Director has the authority to monitor and administer the Agreement, but cannot make changes to the amount of the contract nor change the completion date of the contract

I hereby acknowledge that I have read and understand the authority granted to the parties by the CITY OF HOUSTON.

CONTRACTOR SIGNATURE

TITLE

SECTION 33. FUND VERIFICATION. Fund source and verification of funds for this project:

Funding Source: **DHS EM AK-22-288-PW-0822-C**

CITY OF HOUSTON

SELECTED CONTRACTOR

Signature

Carter R Cole

Printed Name

Mayor

Title

Signature

Print Name

Title

SAMPLE

STATE OF ALASKA

Third Judicial District

On _____, 20_____, _____ personally appeared before me,

1. _____ who is personally known to me
2. _____ whose identity I proved on the basis of _____
3. _____ whose identity I proved on the oath/affirmation of _____, a credible witness to be the signer of the **ITB #COH 01-2024-AK-22-288-PW-0822-C, Reconditioning Nine Flood Damaged Roads** and he/she acknowledged that he/she signed it.

NOTARY PUBLIC

My commission expires: _____

STATE OF ALASKA

Third Judicial District

On _____, 20_____, Carter R. Cole, Mayor, personally appeared before me, who is personally known to me, to be the signer of the above document, and he acknowledged that he signed it on behalf of the CITY OF HOUSTON.

NOTARY PUBLIC

My commission expires: _____

ITB #COH 01-2024-AK-22-288-PW-0822-C

**SECTION VI
SAMPLE FORMS**



ADFA-01

OP ID: TWI

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME:		
	PHONE:	FAX (A/C. No.):	
	EMAIL No. Ext:		
	ADDRESS:		
	INSURER(S) AFFORDING COVERAGE		NAIC #
INSURED Company Name	INSURER A:		
	INSURER B:		
	INSURER C:		
	INSURER D:		
	INSURER E:		
	INSURER F:		

COVERAGES

CERTIFICATE NUMBER: 1

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADOL	SUBR	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PROJECT ☐ LOC OTHER:	X			03/15/2019	03/15/2020	EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COM/PROP AGG \$
A	AUTOMOBILE LIABILITY ☐ ANY AUTO OWNED AUTOS ONLY ☒ SCHEDULED AUTOS ☒ HIRED AUTOS ONLY ☒ NON-OWNED AUTOS ONLY	X			11/04/2019	11/04/2020	COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	UMBRELLA LIAB EXCESS LIAB DED RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N Y	N/A	X	12/31/2019	12/31/2020	☒ PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
C							

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

The Borough, its Administrator, officers, officials, employees, and volunteers are to be covered as additional insured.

This box should also include the sentence above, and the Bid/Contract Number (#20-###B).
Limits for each Type of Insurance must meet the requirements listed in the Bid Documents.

CERTIFICATE HOLDER

CANCELLATION

Matanuska Susitna Borough
350 East Dahlia Avenue
Palmer, AK 99645

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

CITY OF HOUSTON BID: ITB #COH 01-2024-AK-22-288-PW-0822-C

BID BOND

KNOW ALL MEN BY THESE PRESENT, that we, the undersigned, _____ as Principal, and _____ as Surety, are hereby held and firmly bound unto CITY OF HOUSTON, Palmer, Alaska as OWNER in the penal sum of _____ for the payment of which, will and truly to be made, will hereby jointly and severally bind ourselves, successors and assigns.

Signed, this _____ day of _____, 20____.

The condition of the above obligation is such that whereas the Principal has submitted to CITY OF HOUSTON a certain BID, attached hereto and hereby made a part hereof to enter into a contract in writing, for **Reconditioning Nine Flood Damaged Roads.**

NOW, THEREFORE,

- (a) If said BID shall be rejected, or
- (b) If said BID shall be accepted and the Principal shall execute and deliver a contract in the Form of Contract attached hereto properly completed in accordance with said BID, and shall furnish a BOND for his faithful performance of said Contract, and for the payment of all persons performing labor or furnishing materials in connection therewith,

then this obligation shall be void, otherwise the same shall remain in force and effect: it be expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The Surety, for value received, hereby stipulates and agrees that the obligation of said Surety and BOND shall be in no way impaired or affected by any extension of the time within which the OWNER may accept such BID; and said surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and the Surety has caused their seal to be hereto affixed and these presents to be signed by their proper officers, the day and year first set forth above.

Bond must be acceptable to CITY OF HOUSTON.

Principal

(L.) _____
Surety

By: _____ By: _____

IMPORTANT: Surety Companies executing bonds must be authorized to transact business in the state of Alaska where this project is located. **INDIVIDUAL SURETY BONDS ARE NOT ACCEPTABLE.**

RECONDITIONING NINE FLOOD DAMAGED ROADS

ITB #COH 01-2024-AK-22-288-PW-0822-C

PROPOSED SUBCONTRACTORS AND SUPPLIERS

NOTE: If your company is the apparent low bidder, this list is to be delivered to the City within 24 hours of request from the Purchasing Division. Put an 'X' or '✓' in the right columns indicating if the company is a sub-contractor or a supplier.

Sub-contractor addresses must include the Zip Code, used for DOL Filings.

#	ITEM	CONTRACTOR NAME	CONTRACTOR ADDRESS	SUB	SUP
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					

SIGNATURE

COMPANY NAME

DATE

LABOR AND MATERIAL PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS,

That _____ as Contractor, and _____, as Surety, are held and firmly bound unto CITY OF HOUSTON, Houston, Alaska, hereinafter called OWNER in the sum of _____ dollars, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, said Contractor has been awarded and is about to enter into the annexed contract with said OWNER to perform all work required under the **ITB #COH 01-2024-AK-22-288-PW-0822-C, Reconditioning Nine Flood Damaged Roads**.

NOW THEREFORE, if said Contractor, or subcontractors, fails to pay for any materials, equipment, or other supplies, or for rental of same, used in connection with the performance of work contracted to be done, or for amounts due under applicable State law for any work or labor thereon, said Surety will pay for the same in an amount not exceeding the sum specified above and, in the event suit is brought upon this bond, a reasonable attorney's fee to fixed by the court. This bond shall insure to the benefit of any persons, companies or corporation entitled to file claims under applicable State law.

Provided, that any alterations in the work to be done or the materials to be furnished, which may be made pursuant to the terms of said Contract, shall not in any way release either said Contractor or said Surety thereunder, nor shall any extensions of time granted under the provisions of said Contract release either said Contractor or said Surety, and notice of such alterations or extensions of the Contract is hereby waived by said Surety.

Signed, this _____ day of _____, 20____.

(SEAL AND NOTARIAL ACKNOWLEDGMENT OF SURETY)

(Contractor)

(Signature)

(Agent)

(Surety)

(Signature)

(Signature)

Address: _____

Address: _____

Telephone Number: _____

Telephone Number: _____

IMPORTANT: Surety Companies executing bonds must be authorized to transact business in the state of Alaska where this project is located. **INDIVIDUAL SURETY BONDS ARE NOT ACCEPTABLE**

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS,

That _____, as Contractor, and _____, as Surety, are held and firmly bound unto CITY OF HOUSTON, Palmer, Alaska, hereinafter called OWNER in the sum of _____ dollars, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, said Contractor has been awarded and is about to enter into the annexed contract with said OWNER to perform all work required under **ITB #COH 01-2024-AK-22-288-PW-0822-C** of the Owner's specifications, entitled **Reconditioning Nine Flood Damaged Roads**.

NOW THEREFORE, if said Contractor shall perform all the requirements of said contract required to be performed on his part, at the times and in the manner specified therein, then this obligation shall be null and void, otherwise it shall remain in full force and effect.

THE Surety hereby waives notice of any alteration or extension of time made by the Owner.

WHENEVER Contractor shall be, and declared by Owner to be in default under the Contract, the Owner having performed Owner's obligations thereunder, the Surety may promptly remedy the default, or shall promptly

- 1) Complete the Contract in accordance with its terms and conditions, or
- 2) Obtain a bid or bids for completing the Contract in accordance with its terms and conditions, and upon determination by Surety of the lowest responsible bidder, or, if the Owner elects, upon determination by the Owner and the Surety jointly of the lowest responsible bidder, arrange for a contract between such bidder and Owner, and make available as Work progresses (even though there should be a default or a succession of defaults under the contract or contracts of completion arranged under this paragraph) sufficient funds to pay the cost of completion less the balance of the contract price; but not exceeding, including other costs and damages for which the Surety may be liable hereunder, the amount set forth in the first paragraph hereof. The term "balance of the contract price," as used in this paragraph, shall mean the total amount payable by Owner to Contractor under the Contract and any amendments thereto, less the amount previously paid by Owner to Contractor.

Any suit under this bond must be instituted before the expiration of two years from the date on which final payment under the Contract falls due.

No right of action shall accrue on this bond to or for the use of any person or corporation other than the Owner named herein or the heirs, executors, administrators or successors of the Owner.

Signed, this _____ day of _____, 20_____.

(SEAL AND NOTARIAL ACKNOWLEDGMENT OF SURETY)

(Contractor)

(Signature)

_____ (Agent)	_____ (Surety)
_____ (Signature)	_____ (Signature)
Address: _____	Address: _____
_____ Telephone Number: _____	_____ Telephone Number: _____

IMPORTANT: Surety Companies executing bonds must be authorized to transact business in the state of Alaska where this project is located. **INDIVIDUAL SURETY BONDS ARE NOT ACCEPTABLE**

**CONSENT OF
SURETY COMPANY
TO FINAL PAYMENT**

OWNER	☐
ARCHITECT	☐
CONTRACTOR	☐
SURETY	☐
OTHER	☐

PROJECT: **ITB #COH 01-2024-AK-22-288-PW-0822-C, Reconditioning Nine Flood Damaged Roads**
(name, address)

TO (Owner)

┌

┐

ARCHITECT'S PROJECT NO:
CONTRACT FOR:

└

┘

CONTRACT DATE:

CONTRACTOR:

In accordance with the provisions of the Contract between the owner and the Contractor as indicated above,
the

(here insert name and address of Surety Company)

, SURETY COMPANY,

on bond of (here insert name and address of Contractor)

, CONTRACTOR,

hereby approves the final payment to the Contractor, and agrees that final payment to the Contractor shall not
relieve the Surety Company of any of its obligations to (here insert name and address of Owner)

, OWNER,

as set forth in the said Surety Company's bond.

IN WITNESS WHEREOF,

the Surety Company has hereunto set its hand this _____ day of _____ 20____

Surety Company

Attest:
(Seal)

Signature of Authorized Representative

Title

PROJECT NAME: **Reconditioning Nine Flood Damaged Roads**

BID: **ITB #COH 01-2024-AK-22-288-PW-0822-C**

CONTRACTOR'S RELEASE AND AFFIDAVIT OF PAYMENTS OF DEBTS AND CLAIMS

The undersigned, being first duly sworn deposes and says:

1. That pursuant to this contract for project **ITB #COH 01-2024-AK-22-288-PW-0822-C, Reconditioning Nine Flood Damaged Roads** between the undersigned and the CITY OF HOUSTON dated the undersigned hereby certifies that, except as listed below, he has paid in full or has otherwise satisfied all obligations for materials and equipment furnished for all work, labor, and services performed and for all known indebtedness and claims for which the Contractor or the CITY OF HOUSTON is or may become liable in connection with performance under this contract. The Contractor warrants that he has made diligent search and inquiry to determine the existence of any such claim, debt or liability and that all such obligations, whether liquidated, unliquidated or disputed, have been satisfied.

2. The Contractor further certifies he did not extend any loan, gratuity, or gift of money of any form whatsoever to any employee or agent of the City, that he did not rent or purchase any equipment or materials from any employee of the City, nor to the best of his knowledge, from any agent of any employee of the City, and that he has not made any promise to an employee or agent of the City to do or undertake any such action after completion of the subject contract.

3. Pursuant to the above-described contract and in consideration of the final payment in the amount of \$, the undersigned Contractor hereby remise, release and discharge the CITY OF HOUSTON, its officers, agents and employees of and from any and all further claim, debt, charge, demand, liability or other obligation whatsoever under or arising from said contract, whether known or unknown and whether or not ascertainable at the time of the execution of this instrument except specified claims in stated amounts or in estimated amounts where the amounts are not susceptible of exact statement by the Contractor, as follows:

The Contractor, in connection with the claims which are not released as set forth above, certifies that he has or agrees that he will comply with all the provisions of the said contract, including without limitation those provisions relating to notification of the contracting officer and relating to the prosecution of claims.

4. The Contractor shall indemnify, defend, and hold and save the City, its elected and appointed officers, agents and employees, harmless from any and all claims, demands, suits, or liability of any nature, kind or character, including costs, expenses, and attorney fees. The Contractor shall be responsible under this clause for any and all legal actions or claims of any character resulting from injuries, death, economic loss, damages, violation of statutes, ordinances, constitutions or other laws, rules or regulations, contractual claims, or any other kind of loss, tangible or sustained by any person, or property arising from Contractor's or Contractor's Officers, agents, employees, partners, attorneys, suppliers, and subcontractor's performance or failure to perform this Agreement in any way whatsoever. This defense and indemnification responsibility includes claims alleging acts or omissions by the City or its agents which are said to have contributed to the losses, failure, violations, or damage. However, Contractor shall not be responsible for any damages or claim arising from the sole negligence or willful misconduct of the City, its agents, or employees.

If any portion of this clause is voided by law or court of competent jurisdiction, the remainder of the clause should remain enforceable.

IN WITNESS WHEREOF, this release and affidavit has been executed this _____ day of _____, 20____.

(Contractor's signature)

Title_____

SUBSCRIBED AND SWORN to before me this _____ day of _____, 20____.

Notary Public
My commission expires: _____

(NOTE: In case of a corporation, the attached Certificate of Authority must be completed by a corporate officer other than the one who signs above.)

CERTIFICATE OF AUTHORITY

I, _____, certify that I am the
_____ (official title) of the corporation named as
Contractor in the foregoing release and affidavit; that _____
who signed said release and affidavit on behalf of the Contractor was then
_____ (official title) of said corporation; that said release and
affidavit was duly signed for and in behalf of said corporation by authority of its governing
body and is within the scope of its corporate powers.

(Signature)

Notary Public for
My commission expires: _____

CITY OF HOUSTON
13878 Armstrong Rd,
Wasilla, AK 99654

FIELD MEMO

PW-0822-C

ITB #COH 01-2024-AK-22-288-

(Project Number)

Reconditioning Nine Flood Damaged Roads

(Project)

(Date)

REFERENCE: (Drwg. or Spec.) _____

DESCRIPTION:

(Source)

(Date)

RESPONSE:

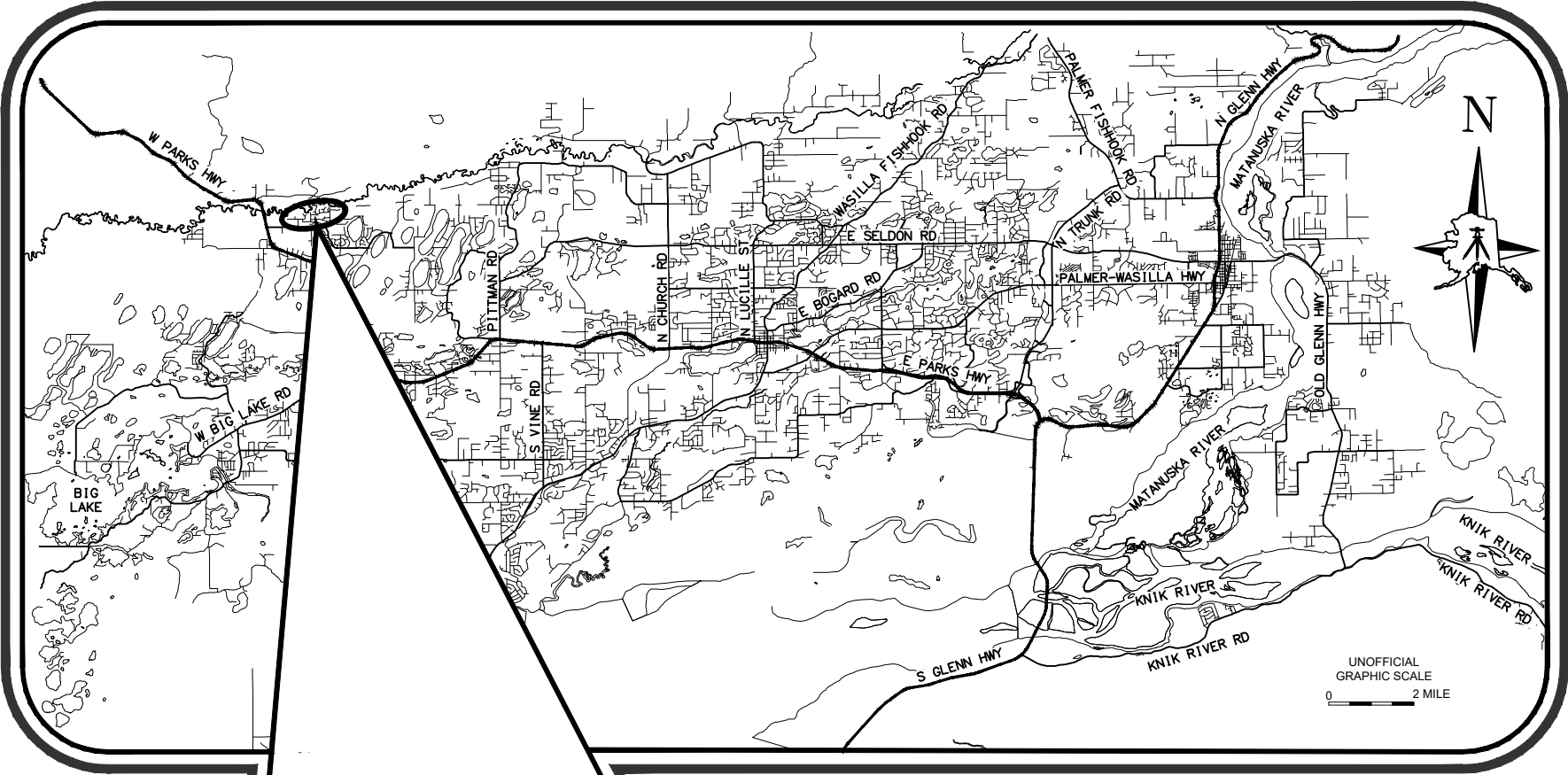
RESPONSE NEEDED BY: _____

ACTION REQUIRED BY: _____

RESOLUTION:

Notification must be given in accordance with the contract documents, if any architect/engineer response/description causes any change to contract documents.

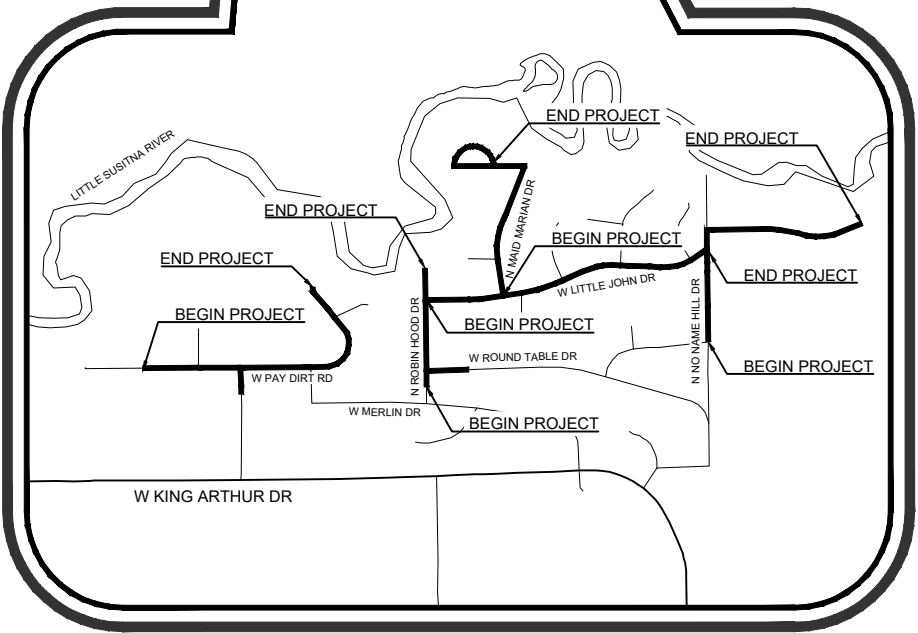
CITY OF HOUSTON



LOCATION MAP

RECONDITIONING NINE FLOOD DAMAGED ROADS IN THE CITY OF HOUSTON

100% SUBMITTAL

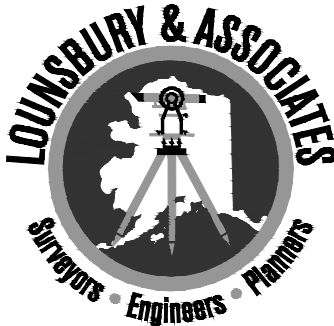


VICINITY MAP
CITY OF HOUSTON
TAX MAP HO06

INDEX	
SHEET	TITLE
A1	TITLE SHEET
A2	LEGEND AND ABBREVIATIONS
A3-A11	SURVEY CONTROL SHEET
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J1-J2	TRAFFIC CONTROL PLAN
Q1-Q14	EROSION AND SEDIMENT CONTROL PLAN

THE FOLLOWING DOT&PF STANDARD
DRAWINGS APPLY TO THIS PROJECT:
D-01.02, D-04.22, M-20.15, M-23.13, S-00.12, S-01.02, S-05.02

100%
REVIEW
4/23/2024



PLANS DEVELOPED BY:
LOUNSBURY & ASSOCIATES, INC.
1175 N. LEATHERLEAF LOOP SUITE D
WASILLA, ALASKA 99654 (907)357-9132
CERTIFICATE OF AUTHORIZATION NO. AECC391

ABBREVIATIONS

AC	ALUMINUM CAP
AM	ALUMINUM MONUMENT
AK	ALASKA
AR	AIR RELEASE VALVE
AVE.	AVENUE
BC	BRASS CAP
BLK	BLOCK
BP	BEGINNING OF PROJECT
C	CENTER / CHORD LENGTH
CB	CHORD BEARING
CIR.	CIRCLE
CMP	CORRUGATED METAL PIPE
CP	CONTROL POINT
CS	CONTINUITY STRAP
DW	DRIVEWAY
E	EASTING
ELEV.	ELEVATION
Fd	FOUND
FED.	FEDERAL
GOVT.	GOVERNMENT
HMA	HOT MIX ASPHALT
IP	IRON PIPE
L	LENGTH
MAT-SU	MATANUSKA -SUSITNA
MP	MILE POST
MSB	MATANUSKA-SUSITNA BOUROUGH
N	NORTH / NORTHING
NE	NORTHEAST
NO.	NUMBER
NTS	NOT TO SCALE
NW	NORTHWEST
PC	POINT OF CURVE INTERSECT
PCC	POINT OF COMPOUND CURVATURE
PI	POINT OF INTERSECTION
POC	POINT ON CURVE
POR	PORTION
PRC	POINT OF REVERSED CURVATURE
PRI.	PRIMARY
PT	POINT OF TANGENT INTERSECT
R	RANGE / RADIUS
Rbr	REBAR
ROW	RIGHT-OF-WAY
RP	REFERENCE POINT
R/W	RIGHT-OF-WAY
S	SECTION / SOUTH
SE	SOUTHEAST
SEC.	SECONDARY
SHLD	SHOULDER
S.M.	SEWARD MERIDIAN
S.O.W.	SCOPE OF WORK
SUBD.	SUBDIVISION
ST.	STREET
STA	STATION
SW	SOUTHWEST
T	TOWNSHIP
TR	TRACT
U.S.	UNITED STATES
V.C.	VERTICAL CURVE
V.P.I.	VERTICAL POINT OF INTERSECTION
W	WHITE / WEST
Y	YELLOW

RIGHT-OF-WAY

	CITY LIMITS
	SECTION LINE
	1/4 SECTION LINE
	1/16 SECTION LINE
	EXISTING EASEMENT LINE
	EXISTING PROPERTY LINE
	MEANDERING PROPERTY LINE
	TCP / TCE LINE
	EXISTING CENTERLINE
	PROJECT CENTERLINE
	REQUIRED RIGHT-OF-WAY
	PROJECT RIGHT-OF-WAY LINE
	CONTROLLED ACCESS LINE

TOPOGRAPHY

	PROPOSED ROADWAY
	PROPOSED DITCH LINING
	EXISTING FENCE
	PROPOSED GUARD RAIL
	EXISTING GUARD RAIL
	EDGE OF GRAVEL
	EDGE OF ASPHALT
	PROPOSED EDGE OF ASPHALT
	EDGE OF TREES
	PROPOSED CLEARING LIMITS
	DIRT TRAIL
	REMOVAL OF PAVEMENT
	LIMIT OF CUT SLOPE
	LIMIT OF FILL SLOPE
	ROADWAY OBLITERATION
	DITCH
	DITCH TOE
	TOPO TOE
	FLAT BOTTOM DITCH
	MINOR CONTOUR EXISTING
	MAJOR CONTOUR EXISTING
	MINOR CONTOUR PROPOSED
	MAJOR CONTOUR PROPOSED
	RAILROAD TRACKS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	XX-XX-XXXX	2024	A2	A11

TOPOGRAPHY

	DRAINAGE FLOW
	WETLAND
	RIVER
	LAKE
	POND
	EXISTING CULVERT
	PROPOSED CULVERT
	EXISTING CULVERT w/ END SECT.
	PROPOSED CULVERT w/ END SECT.

	TRAFFIC SIGN
	PRIVATE SIGN
	POST/BOLLARDS
	MAIL BOX
	NEWS BOX
	MARSHLAND
	BUILDING
	RIPRAP
	SOIL TEST HOLE
	DECIDUOUS TREE
	BUSH
	CONIFER TREE
	BRUSH
	ROCKS

ELECTRICAL

	POLE ANCHOR /w GUY
	GUY POLE
	UTILITY POLE
	UTILITY POLE WITH LIGHT
	LOW WIRE ELEVATION
	ELECTRIC OUTLET
	ELECTRIC PEDESTAL
	ELECTRIC METER
	ELECTRIC MANHOLE
	ELECTRIC SWITCH CABINET
	ELECTRIC J-BOX
	ELECTRIC TRANSFORMER
	UNDERGROUND ELECTRIC
	OVERHEAD ELECTRIC
	OVERHEAD UTILITY

GAS

	GAS MANHOLE
	GAS METER
	GAS VALVE
	FUEL VENT PIPE
	GAS PUMP
	GAS PIPE
	OIL PIPE
	TANK ABOVE GROUND
	TANK UNDER GROUND

TELEPHONE / COMM

	TELEPHONE PEDESTAL
	CABLE T.V. PEDESTAL
	SATELLITE DISH
	TELEPHONE MANHOLE
	FIBER OPTIC MANHOLE
	TELEPHONE J-BOX
	UNDERGROUND TELEPHONE
	FIBER OPTIC
	UNDERGROUND TV
	UNDERGROUND TELEPHONE & TV

TRAFFIC

	SIGNAL POLE
	SIGNAL POLE WITH MASTARM
	TRAFFIC CONTROLLER
	TRAFFIC SIGN POST

100%
REVIEW
4/23/2024

LOUNSBURY & ASSOCIATES, INC.
1175 N. LEATHERLEAF LOOP, STE D
WASILLA, ALASKA 99654
(907)357-9132
CERT. OF AUTH. NO. AECC391

CITY OF HOUSTON
RECONDITIONING
NINE FLOOD DAMAGED ROADS
IN THE CITY OF HOUSTON

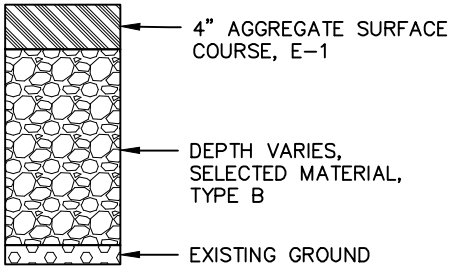
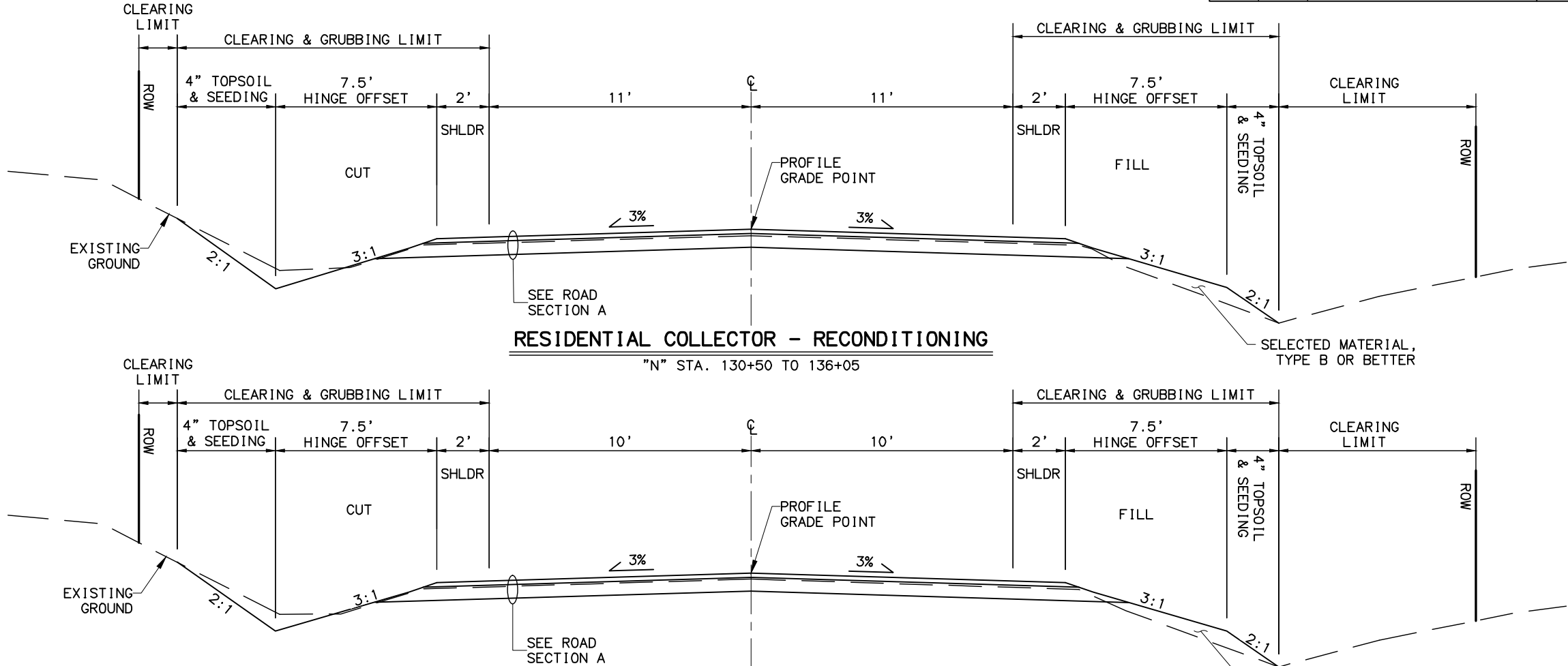
LEGEND AND ABBREVIATIONS

FILE T:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 B1.DWG

DATE/TIME 4/23/2024 4:37 PM LAYOUT

DESIGNED AGL CHECKED SP DRAFTED AGL

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	XX-XX-XXXX	2024	B1	B2



ROAD SECTION A
ALL ROADS UNLESS OTHERWISE NOTED

ALIGNMENT ABBREVIATIONS:

- "P" - PAY DIRT ROAD
- "R" - ROBIN HOOD DRIVE
- "L" - LITTLE JOHN DRIVE
- "M" - MAID MARIAN DRIVE
- "N" - NO NAME HILL DRIVE
- "T" - ROUND TABLE DRIVE
- "RN" - RAINEE STREET
- "MR" - MERLIN DRIVE
- "ST" - STETSON CIRCLE
- "MC" - MAID MARIAN CIRCLE
- "NC" - NOTTINGHAM CIRCLE
- "FT" - FRIAR TUCK CIRCLE
- "LB" - LONGBOW CIRCLE

SLOPE EXCEPTION TABLE							
LEFT			STATION TO STATION	RIGHT			REMARKS
BACK SLOPE	HINGE OFFSET	FORE SLOPE		FORE SLOPE	HINGE OFFSET	BACK SLOPE	
1.5:1			STA "P" 10+00 TO 11+01			1.5:1	
1.5:1			STA "P" 11+01 TO 12+75				
1.5:1	5	2:1	STA "P" 13+00 TO 19+10			1.5:1	
1.5:1			STA "P" 19+94 TO 22+84			1.5:1	
1.5:1			STA "P" 22+84 TO 23+54				
1.5:1			STA "P" 23+54 TO 24+30		5.8	1.5:1	
			STA "P" 24+30 TO 28+80			1.5:1	
			STA "P" 29+50 TO 30+75	2:1	5	1.5:1	
1.5:1	5	2:1	STA "P" 32+31 TO 35+17				
1.5:1			STA "P" 38+15 TO 39+20			1.5:1	
1.5:1			STA "L" 92+85 TO 93+65				
			STA "T" 180+59 TO 181+79	2:1	5	1.5:1	
1.5:1	5	2:1	STA "M" 103+60 TO 106+47	2:1	5	1.5:1	
1.5:1			STA "RN" 152+50 TO 153+04		5.8	1.5:1	
1.5:1			STA "MR" 162+73 TO 163+50			1.5:1	
1.5:1	5	2:1	STA "MC" 220+10 TO 220+33	2:1	5	1.5:1	
1.5:1	0.7	2:1	STA "MC" 220+33 TO 220+95	2:1	0.7	1.5:1	
	1.1		STA "NC" 190+50 TO 191+00		1.1		
			STA "LB" 210+31 TO 210+75	2:1	5	1.5:1	
1.5:1	5	2:1	STA "LB" 210+43 TO 210+75				

NOTES:

- BEFORE THE PLACEMENT OF ROADWAY SECTIONS, SCARIFY THE EXISTING ROAD SURFACE TO THE REQUIRED WIDTH, SHAPE THE SHOULDERS, RECONDITION AND RECONSTRUCT THE DITCHES, AND ESTABLISH THE CROWN.

100%
REVIEW
4/23/2024

LOUNSBURY & ASSOCIATES, INC.
1175 N. LEATHERLEAF LOOP, STE D
WASILLA, ALASKA 99654
(907)357-9132
CERT. OF AUTH. NO. AECC391

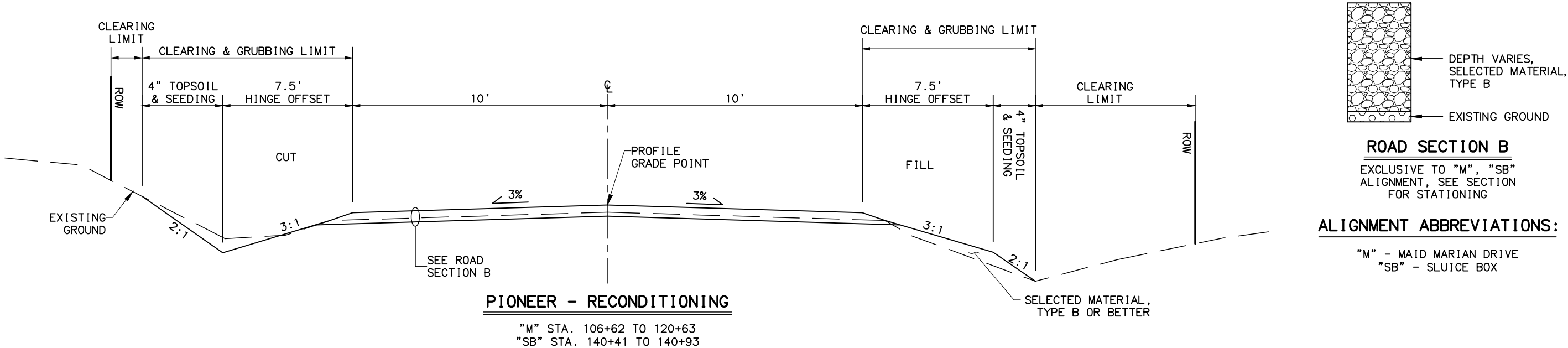
CITY OF HOUSTON
RECONDITIONING
NINE FLOOD DAMAGED ROADS
IN THE CITY OF HOUSTON

TYPICAL SECTIONS

FILE T:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 B1.DWG

DATE/TIME 4/23/2024 4:37 PM LAYOUT --- DESIGNED AGL CHECKED SP DRAFTED AGL

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	XX-XX-XXXX	2024	B2	B2



TYPICAL SECTION NOTES:

- CLEARING SHALL BE ROW TO ROW AND ALL EASEMENTS USED UNLESS OTHERWISE NOTED. GRUBBING SHALL EXTEND 5 FEET BEYOND THE CATCH LIMITS.
- CLEARING AND GRUBBING WILL BE PAID UNDER 201(3B).
- ORGANIC AND UNCLASSIFIED EXCAVATION SUITABLE FOR TOPSOIL THAT MEETS THE PROJECT SPECIFICATIONS MAY BE STOCKPILED IN LOCATIONS APPROVED BY THE BOROUGH REPRESENTATIVE AND USED AS TOPSOIL.
- PLACE 4 INCHES OF TOPSOIL AND SEED FROM:
 - THE BOTTOM OF THE DITCH TO THE CATCH LIMITS IN A CUT SECTION,
 - THE BOTTOM OF SELECTED MATERIAL 4' FROM EDGE OF SHOULDER IN A FILL SECTION.
 - ALL GRUBBED AREAS.
 - ALL AREAS DISTURBED BY CONTRACTORS WITHIN THE PROJECT AREA AND/OR AS DIRECTED BY THE BOROUGH REPRESENTATIVE.
- DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
- ALL WIRE CROSSING ELEVATIONS SHOWN ON THE PROFILES ARE THE APPROXIMATE ELEVATIONS WHERE THE LOWEST WIRE CROSSES THE PROPOSED CENTERLINE OF ROADWAY.
- UTILITY DISCLAIMER: THE UTILITY LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATE AND ARE BASED ON INFORMATION PROVIDED BY THE UTILITY COMPANIES AT THE TIME OF THE FIELD SURVEY. ADDITIONAL UTILITIES MAY EXIST, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REQUEST, OBTAIN AND CONFIRM THE ACTUAL UTILITY LOCATIONS BOTH HORIZONTAL AND VERTICALLY.
- CONTRACTOR SHALL MAINTAIN ALL EXISTING SIGNS WITHIN THE PROJECT AREA. SIGNS SHALL BE CLEAN, ERECT, AND VISIBLE DURING CONSTRUCTION. THE BOROUGH SHALL INSPECT ALL SIGNS, REPLACE SIGNS WHICH ARE DEFICIENT, AND INSTALL NEW SIGNAGE AS REQUIRED BY THE PROJECT.

NOTES:

- BEFORE THE PLACEMENT OF ROADWAY SECTIONS, SCARIFY THE EXISTING ROAD SURFACE TO THE REQUIRED WIDTH, SHAPE THE SHOULDERS, RECONDITION AND RECONSTRUCT THE DITCHES, AND ESTABLISH THE CROWN.
- APPROACH ON ALIGNMENT "SB" WILL UTILIZE ROAD SECTION B, AND THE PIONEER - RECONDITIONING ROAD SECTION.
- A PORTION OF ROAD ON ALIGNMENT "M" WILL UTILIZE ROAD SECTION B, AND THE PIONEER - RECONDITIONING ROAD SECTION

**100%
REVIEW
4/23/2024**

LOUNSBURY & ASSOCIATES, INC.
1175 N. LEATHERLEAF LOOP, STE D
WASILLA, ALASKA 99654
(907)357-9132
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CITY OF HOUSTON
**RECONDITIONING
NINE FLOOD DAMAGED ROADS
IN THE CITY OF HOUSTON**

TYPICAL SECTIONS

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DATE/TIME4/23/2024 4:37 PM

LAYOUT----

DESIGNEDAGL

CHECKEDSP

DRAFTEDAGL

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	XX-XX-XXXX	2024	C1	C1

ESTIMATE OF QUANTITIES												
ITEM NO.	ITEM DESCRIPTION	PAY UNIT	PROJECT TOTALS	PAYDIRT TOTALS	RAINEE TOTALS	MERLIN TOTALS	ROBIN HOOD TOTALS	ROUND TABLE TOTALS	LITTLE JOHN TOTALS	NO NAME HILL TOTALS	MAID MARIAN TOTALS	WILDERNESS TOTALS
201(3B)	CLEARING AND GRUBBING	LUMP SUM	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D
202(4)	REMOVAL OF CULVERT PIPE	LINEAR FOOT	1,270	430	--	--	250	100	390	--	30	70
202(13)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP SUM	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D
203(3)	UNCLASSIFIED EXCAVATION	CUBIC YARD	9,110	2,340	100	60	950	420	3,260	140	1,050	790
203(5B)	BORROW, TYPE B	CUBIC YARD	4,410	770	--	--	700	140	1,370	250	390	790
301(4)	AGGREGATE SURFACE COURSE, GRADING E-1	TON	8,230	2,360	40	40	960	450	3,420	330	530	100
603(1-12)	12" CSP	LINEAR FOOT	2,350	560	--	--	230	180	1,070	--	70	240
603(1-18)	18" CSP	LINEAR FOOT	900	130	38	40	230	--	340	--	40	80
615(2)	REMOVE AND RELOCATE EXISTING SIGN	EACH	9	1	--	--	--	--	7	--	1	--
618(2A)	SEEDING, TYPE A	POUND	180	45	2	2	14	6	73	19	5	12
620(1)	TOPSOIL	SQUARE YARD	9,590	2,480	70	40	740	300	4,020	1,040	270	630
639(1B)	RESIDENCE DRIVEWAY, GRAVEL	EACH	83	21	--	--	9	5	38	--	2	8
639(3)	PUBLIC APPROACH	EACH	8	4	--	--	--	--	3	--	1	--
640(1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D
641(1)	EROSION AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D
641(3)	TEMPORARY EROSION AND POLLUTION CONTROL	LUMP SUM	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D
642(1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D
642(2)	TWO PERSON SURVEY PARTY	HOUR	72	8	8	8	8	8	8	8	8	8
643(2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D
643(3)	PERMANENT CONSTRUCTION SIGNS	LUMP SUM	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D

NOTES:

1. WILDERNESS TOTALS INCLUDE LITTLE SUSITNA DRIVE TOTALS.

100%
REVIEW
4/23/2024

LOUNSBURY & ASSOCIATES, INC.
1175 N. LEATHERLEAF LOOP, STE D
WASILLA, ALASKA 99654
(907)357-9132
CERT. OF AUTH. NO. AECC391

CITY OF HOUSTON
RECONDITIONING
NINE FLOOD DAMAGED ROADS
IN THE CITY OF HOUSTON

ESTIMATE OF QUANTITIES

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	XX-XX-XXXX	2024	D1	D11

EARTHWORK SUMMARY – PAY DIRT ROAD							
SHEET	STATION TO STATION	203(3)			203(5B)	301(4)	
		EXCAVATION				SURFACE	
		UNCLASSIFIED EXCAVATION	WASTE	USABLE EXCAVATION	BORROW, TYPE B	AGGREGATE SURFACE COURSE, GRADING E-1	REMARKS
		(CY)	(CY)	(CY)	(CY)	(CY)	
F1	"P" 10+00 TO 14+50	367	367	---	96	152	
F2	"P" 14+50 TO 19+50	402	402	---	77	148	
F3	"P" 19+50 TO 24+50	483	483	---	47	159	
F4	"P" 24+50 TO 29+50	276	276	---	92	159	
F5	"P" 29+50 TO 34+50	224	224	---	58	148	
F6	"P" 34+50 TO 39+15	299	299	---	40	180	
F26	"SB" 140+00 TO 140+93	70	70	---	14	7	
F27	"ST" 170+00 TO 171+03	58	58	---	0	26	
DRIVEWAYS		155	155	---	285	66	
SUB TOTALS:		2,334	2179	0	709	1,045	
		(CY)	(CY)	(CY)	(CY)	(CY)	
LESS USABLE EXCAVATION					0		
					(CY)		
TOTALS:		2,334			709	1,045	
		(CY)			(CY)	(CY)	
BID QUANTITIES:		2,340			770	2,360	
		(CY)			(CY)	(TON)	

EARTHWORK SUMMARY – RAINEE STREET						
SHEET	STATION TO STATION	203(3)			301(4)	
		EXCAVATION			SURFACE	
		UNCLASSIFIED EXCAVATION	WASTE	USABLE EXCAVATION	AGGREGATE SURFACE COURSE, GRADING E-1	REMARKS
		(CY)	(CY)	(CY)	(CY)	
F26	"RN" 152+10 TO 153+40	90	90	---	15	
SUB TOTALS:		90	90	0	15	
		(CY)	(CY)	(CY)	(CY)	
LESS USABLE EXCAVATION						
TOTALS:		90			15	
		(CY)			(CY)	
BID QUANTITIES:		100			40	
		(CY)			(TON)	

TABLE OF ESTIMATING FACTORS		
ITEM NO.	ITEM	FACTOR
301(4)	AGGREGATE SURFACE COURSE, GRADING E-1	152 LB/CF

EARTHWORK NOTES:

1. VALUES SHOWN ARE FOR INFORMATIONAL PURPOSE ONLY. ACTUAL QUANTITIES MAY VARY.
2. 203(5B) AND 301(4) BID QUANTITIES HAVE A 10% CONTINGENCY OVER NEAT LINE VOLUMES.
3. WASTE FACTOR: 100% (ASSUMED)

100%
REVIEW
4/23/2024

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CITY OF HOUSTON
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NINE FLOOD DAMAGED ROADS
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	XX-XX-XXXX	2024	D2	D11

EARTHWORK SUMMARY – MERLIN DRIVE						
SHEET	STATION TO STATION	203(3)			301(4)	REMARKS
		EXCAVATION			SURFACE	
		UNCLASSIFIED EXCAVATION	WASTE	USABLE EXCAVATION	AGGREGATE SURFACE COURSE, GRADING E-1	
		(CY)	(CY)	(CY)	(CY)	
F27	"MR"162+73 TO 163+64	57	57	---	16	
SUB TOTALS:		57	57	0	16	
		(CY)	(CY)	(CY)	(CY)	
LESS USABLE EXCAVATION						
TOTALS:		57			16	
		(CY)			(CY)	
BID QUANTITIES:		60			40	
		(CY)			(TON)	

EARTHWORK SUMMARY – ROBIN HOOD DRIVE							
SHEET	STATION TO STATION	203(3)			203(5B)	301(4)	REMARKS
		EXCAVATION				SURFACE	
		UNCLASSIFIED EXCAVATION	WASTE	USABLE EXCAVATION	BORROW, TYPE B	AGGREGATE SURFACE COURSE, GRADING E-1	
		(CY)	(CY)	(CY)	(CY)	(CY)	
F17	"R" 41+00 TO 44+50	180	180	---	71	120	
F18	"R"44+50 TO 49+50	185	185	---	229	162	
F19	"R" 49+50 TO 51+50	422	422	---	140	95	
DRIVEWAYS		158	158	---	191	48	
SUB TOTALS:		944	0	0	631	425	
		(CY)	(CY)	(CY)	(CY)	(CY)	
LESS USABLE EXCAVATION					0		
TOTALS:		944			631	425	
		(CY)			(CY)	(CY)	
BID QUANTITIES:		950			700	960	
		(CY)			(CY)	(TON)	

EARTHWORK NOTES:

1. VALUES SHOWN ARE FOR INFORMATIONAL PURPOSE ONLY. ACTUAL QUANTITIES MAY VARY.
2. 203(5B) AND 301(4) BID QUANTITIES HAVE A 10% CONTINGENCY OVER NEAT LINE VOLUMES.
3. WASTE FACTOR: 100% (ASSUMED)

100%
REVIEW
4/23/2024

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CITY OF HOUSTON
RECONDITIONING
NINE FLOOD DAMAGED ROADS
IN THE CITY OF HOUSTON

SUMMARY TABLES

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	XX-XX-XXXX	2024	D3	D11

EARTHWORK SUMMARY – ROUND TABLE DRIVE							
SHEET	STATION TO STATION	203(3)			203(5B)	301(4)	REMARKS
		EXCAVATION			BORROW, TYPE B	SURFACE	
		UNCLASSIFIED EXCAVATION	WASTE	USABLE EXCAVATION		AGGREGATE SURFACE COURSE, GRADING E-1	
		(CY)	(CY)	(CY)	(CY)	(CY)	
F15	"T" 180+50 TO 184+50	268	268	----	22	118	
F16	"T" 184+50 TO 186+00	83	83	----	5	48	
DRIVEWAYS		64	64	----	96	30	
SUB TOTALS:		415	0	0	123	196	
		(CY)	(CY)	(CY)	(CY)	(CY)	
LESS USABLE EXCAVATION					0		
					(CY)		
TOTALS:		415			123	196	
		(CY)			(CY)	(CY)	
BID QUANTITIES:		420			140	450	
		(CY)			(CY)	(TON)	

EARTHWORK SUMMARY – LITTLE JOHN DRIVE							
SHEET	STATION TO STATION	203(3)			203(5B)	301(4)	REMARKS
		EXCAVATION			BORROW, TYPE B	SURFACE	
		UNCLASSIFIED EXCAVATION	WASTE	USABLE EXCAVATION		AGGREGATE SURFACE COURSE, GRADING E-1	
		(CY)	(CY)	(CY)	(CY)	(CY)	
F7	"L" 60+50 TO 64+50	242	242	----	85	133	
F8	"L" 64+50 TO 69+50	161	161	----	86	148	
F9	"L" 69+50 TO 74+50	118	118	----	191	148	
F10	"L" 74+50 TO 79+50	243	243	----	88	148	
F11	"L" 79+50 TO 84+50	401	401	----	48	151	
F12	"L" 84+50 TO 89+50	592	592	----	24	150	
F13	"L" 89+50 TO 94+50	294	294	----	47	148	
F14	"L" 94+50 TO 99+49	415	415	----	64	181	
F25	"N" 136+00 TO 137+26	153	153	----	11	53	
F28	"NC" 190+00 TO 191+00	5	5	----	20	28	
F29	"FT" 200+00 TO 200+75	97	97	----	3	22	
F29	"LB" 210+00 TO 210+75	122	122	----	0	21	
DRIVEWAYS		407	407	----	574	185	
SUB TOTALS:		3,249	0	0	1,240	1,515	
		(CY)	(CY)	(CY)	(CY)	(CY)	
LESS USABLE EXCAVATION					0		
					(CY)		
TOTALS:		3,249			1,240	1,515	
		(CY)			(CY)	(CY)	
BID QUANTITIES:		3,260			1,370	3,420	
		(CY)			(CY)	(TON)	

EARTHWORK NOTES:

1. VALUES SHOWN ARE FOR INFORMATIONAL PURPOSE ONLY. ACTUAL QUANTITIES MAY VARY.
2. 203(5B) AND 301(4) BID QUANTITIES HAVE A 10% CONTINGENCY OVER NEAT LINE VOLUMES.
3. WASTE FACTOR: 100% (ASSUMED)

100%
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	XX-XX-XXXX	2024	D4	D11

EARTHWORK SUMMARY — NO NAME HILL DRIVE							
SHEET	STATION TO STATION	203(3)			203(5B)	301(4)	
		EXCAVATION				SURFACE	
		UNCLASSIFIED EXCAVATION	WASTE	USABLE EXCAVATION	BORROW, TYPE B	AGGREGATE SURFACE COURSE, GRADING E-1	REMARKS
		(CY)	(CY)	(CY)	(CY)	(CY)	
F24	"N" 131+50 TO 135+00	63	63	---	205	114	
F25	"N" 135+00 TO 136+00	74	74	---	16	32	
DRIVEWAYS		0	0	---	0	0	
SUB TOTALS:		137	0	0	221	146	
		(CY)	(CY)	(CY)	(CY)	(CY)	
LESS USABLE EXCAVATION					0		
					(CY)		
TOTALS:		137			221	146	
		(CY)			(CY)	(CY)	
BID QUANTITIES:		140			250	330	
		(CY)			(CY)	(TON)	

EARTHWORK SUMMARY – MAID MARIAN DRIVE							
SHEET	STATION TO STATION	203(3)			203(5B)	301(4)	
		EXCAVATION				SURFACE	
		UNCLASSIFIED EXCAVATION	WASTE	USABLE EXCAVATION	BORROW, TYPE B	AGGREGATE SURFACE COURSE, GRADING E-1	REMARKS
		(CY)	(CY)	(CY)	(CY)	(CY)	
F20	"M" 100+50 TO 105+00	194	194	---	172	148	
F21	"M" 105+00 TO 110+00	772	772	---	116	48	
F28	"MC" 220+00 TO 220+95	45	45	---	1	26	
DRIVEWAYS		29	29	---	57	11	
SUB TOTALS:		1,040	1,040	0	346	233	
		(CY)	(CY)	(CY)	(CY)	(CY)	
LESS USABLE EXCAVATION					0		
					(CY)		
TOTALS:		1,040			346	233	
		(CY)			(CY)	(CY)	
BID QUANTITIES:		1,050			390	530	
		(CY)			(CY)	(TON)	

EARTHWORK NOTES:

1. VALUES SHOWN ARE FOR INFORMATIONAL PURPOSE ONLY. ACTUAL QUANTITIES MAY VARY.
2. 203(5B) AND 301(4) BID QUANTITIES HAVE A 10% CONTINGENCY OVER NEAT LINE VOLUMES.
3. WASTE FACTOR: 100% (ASSUMED)

100%
REVIEW
4/23/2024

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CITY OF HOUSTON
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NINE FLOOD DAMAGED ROADS
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	XX-XX-XXXX	2024	D5	D11

EARTHWORK SUMMARY – WILDERNESS CT/LITTLE SUSITNA DR							
SHEET	STATION TO STATION	203(3)			203(5B)	301(4)	REMARKS
		EXCAVATION				SURFACE	
		UNCLASSIFIED EXCAVATION	WASTE	USABLE EXCAVATION	BORROW, TYPE B	AGGREGATE SURFACE COURSE, GRADING E-1	
		(CY)	(CY)	(CY)	(CY)	(CY)	
F22, F23	"M" 110+00 TO 120+63	689	689	---	594	0	
DRIVEWAYS		91	91	---	124	43	
SUB TOTALS:		780	780	0	718	43	
		(CY)	(CY)	(CY)	(CY)	(CY)	
LESS USABLE EXCAVATION					0		
					(CY)		
TOTALS:		780			718	43	
		(CY)			(CY)	(CY)	
BID QUANTITIES:		790			790	100	
		(CY)			(CY)	(TON)	

EARTHWORK NOTES:

1. VALUES SHOWN ARE FOR INFORMATIONAL PURPOSE ONLY. ACTUAL QUANTITIES MAY VARY.
2. 203(5B) AND 301(4) BID QUANTITIES HAVE A 10% CONTINGENCY OVER NEAT LINE VOLUMES.
3. WASTE FACTOR: 100% (ASSUMED)

100%
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	XX-XX-XXXX	2024	D6	D11

639(1B), 639(3)									
APPROACH / DRIVEWAY SUMMARY – PAY DIRT ROAD									
SHEET	STATION	OFFSET	WIDTH (LF)	RADIUS (FT)		ACCESS GRADE	SKEW	SURFACING	REMARKS
				LEFT	RIGHT				
F1	"P" 10+34	LT	12.0	6.0	6.0	−1.17%	70.1	GRAVEL	
F1	"P" 10+44	RT	20.0	6.0	6.0	4.04%	57.4	GRAVEL	
F1	"P" 12+18	LT	20.0	6.0	6.0	−2.55%	72.1	GRAVEL	
F1	"P" 12+25	RT	12.0	6.0	6.0	−4.33%	87.3	GRAVEL	
F1	"P" 13+46	RT	12.0	6.0	6.0	−2.62%	90.0	GRAVEL	
F2	"P" 15+18	RT	12.0	6.0	6.0	−3.74%	90.0	GRAVEL	
F2	"P" 16+93	LT	10.0	6.0	6.0	2.91%	81.1	GRAVEL	
F2	"P" 18+41	RT	26.0	10.0	10.0	−0.29%	90.0	GRAVEL	
F2	"P" 19+59	RT	20.0	6.0	6.0	−0.02%	80.7	GRAVEL	
F3,F26	"P" 19+65	LT	20.0	18.0	18.0	1.36%	89.0	GRAVEL	N. SLUICE BOX DRIVE
F3	"P" 20+32	RT	20.0	6.0	6.0	6.30%	99.2	GRAVEL	
F3	"P" 21+73	RT	32.0	12.0	12.0	2.46%	84.7	GRAVEL	
F3,F26	"P" 23+19	RT	24.0	23.0	23.0	2.00%	90.7	GRAVEL	N. RAINEE STREET
F4	"P" 25+22	LT	20.0	12.0	12.0	−0.28%	110.0	GRAVEL	
F4	"P" 26+22	RT	14.0	6.0	6.0	1.50%	99.1	GRAVEL	
F4	"P" 27+81	RT	14.0	10.0	10.0	−5.86%	93.9	GRAVEL	
F4	"P" 28+18	LT	14.0	6.0	6.0	1.22%	90.0	GRAVEL	
F4	"P" 29+05	LT	16.0	6.0	6.0	−1.39%	94.1	GRAVEL	
F4,F27	"P" 29+17	RT	24.0	23.0	23.0	2.00%	86.6	GRAVEL	W. MERLIN DRIVE
F5	"P" 31+62	RT	14.0	6.0	10.0	−5.61%	113.2	GRAVEL	
F6,F27	"P" 36+02	RT	24.0	18.0	18.0	−2.00%	76.9	GRAVEL	W. STETSON CIRCLE
F6	"P" 38+22	RT	10.0	6.0	6.0	−2.21%	95.2	GRAVEL	
F6	"P" 38+57	LT	10.0	6.0	6.0	7.39%	90.0	GRAVEL	
F6	"P" 39+20	LT	14.0	6.0	6.0	−2.73%	180.0	GRAVEL	
F26	"SB" 140+64	LT	12.0	6.0	6.0	6.01%	102.0	GRAVEL	
639(1A) RESIDENCE DRIVEWAY PAVED, TOTAL (EACH):							-----		
639(1B) RESIDENCE DRIVEWAY GRAVEL, TOTAL (EACH):							21		
639(3) PUBLIC APPROACH, TOTAL (EACH):							4		

100%
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			ALASKA	XX-XX-XXXX	2024	D7	D11

639(1B), 639(3)

APPROACH / DRIVEWAY SUMMARY – LITTLE JOHN DRIVE									
SHEET	STATION	OFFSET	WIDTH (LF)	RADIUS (FT)		ACCESS GRADE	SKEW	SURFACING	REMARKS
				LEFT	RIGHT				
F7	"L" 62+17.92	LT	10.0	20.0	20.0	−7.93%	88	GRAVEL	
F8	"L" 64+96.21	LT	18.0	10.0	10.0	−2.80%	83	GRAVEL	
F8	"L" 68+06.66	RT	20.0	10.0	10.0	−4.48%	76	GRAVEL	
F8	"L" 68+30.88	LT	16.0	15.0	15.0	−7.46%	98	GRAVEL	
F8	"L" 69+17.46	LT	24.0	10.0	10.0	−7.45%	101	GRAVEL	
F9,F28	"L" 71+78.32	LT	24.0	23.0	23.0	−1.66%	90.1	GRAVEL	N. NOTTINGHAM CIRCLE
F9	"L" 69+62.84	RT	16.0	10.0	10.0	−5.52%	76	GRAVEL	
F9	"L" 72+61.38	RT	14.0	10.0	10.0	−9.06%	98	GRAVEL	
F9	"L" 73+08.20	LT	16.0	20.0	20.0	−7.06%	86	GRAVEL	
F9	"L" 73+40.60	RT	12.0	18.0	18.0	−11.61%	93	GRAVEL	
F9	"L" 74+12.18	LT	20.0	25.0	15.0	−4.07%	97	GRAVEL	
F9	"L" 74+44.04	RT	12.0	10.0	10.0	−7.55%	91	GRAVEL	
F10,F29	"L" 76+97.03	LT	24.0	23.0	23.0	−2.80%	85.2	GRAVEL	N. FRIAR TUCK CIRCLE
F10	"L" 74+71.18	LT	16.0	14.0	14.0	−3.75%	80	GRAVEL	
F10	"L" 75+25.88	LT	16.0	15.0	18.0	−2.70%	102	GRAVEL	
F10	"L" 75+47.88	RT	16.0	15.0	10.0	−5.09%	88	GRAVEL	
F10	"L" 78+13.16	RT	16.0	20.0	10.0	−1.82%	83	GRAVEL	
F10	"L" 78+20.88	LT	14.0	10.0	10.0	−6.16%	89	GRAVEL	
F10	"L" 79+22.40	LT	18.0	10.0	10.0	−8.59%	91	GRAVEL	
F10	"L" 79+41.26	RT	12.0	8.0	12.0	−0.86%	91	GRAVEL	
F11,F29	"L" 83+01.32	LT	24.0	23.0	23.0	−2.87%	80.9	GRAVEL	N. LONGBOW CIRCLE
F11	"L" 79+81.48	RT	40.0	8.0	8.0	−0.49%	97	GRAVEL	
F11	"L" 79+88.27	LT	10.0	8.0	20.0	−9.29%	68	GRAVEL	
F11	"L" 81+02.64	RT	22.0	10.0	5.0	−1.34%	80	GRAVEL	
F11	"L" 81+63.06	RT	20.0	12.0	10.0	−0.35%	73	GRAVEL	
F11	"L" 81+94.25	RT	18.0	10.0	12.0	−3.18%	111	GRAVEL	
F11	"L" 83+49.94	RT	12.0	15.0	11.0	−1.13%	59	GRAVEL	
F12	"L" 87+12.51	LT	12.0	15.0	10.0	−9.90%	87	GRAVEL	
F12	"L" 87+50.18	LT	14.0	8.0	8.0	−4.62%	98	GRAVEL	
F12	"L" 88+63.53	RT	16.0	8.0	8.0	−0.74%	96	GRAVEL	
F13	"L" 90+48.88	LT	14.0	15.0	10.0	−2.49%	93	GRAVEL	
F13	"L" 91+84.73	LT	10.0	8.0	8.0	4.51%	95	GRAVEL	
F13	"L" 92+68.91	RT	20.0	20.0	12.0	−2.54%	74	GRAVEL	
F13	"L" 93+27.66	RT	20.0	16.0	20.0	−5.20%	81	GRAVEL	
F13	"L" 94+08.38	LT	15.0	20.0	10.0	7.93%	87	GRAVEL	
F14	"L" 94+59.18	LT	15.0	20.0	15.0	1.11%	91	GRAVEL	
F14	"L" 96+02.85	LT	12.0	20.0	10.0	0.20%	106	GRAVEL	
F14	"L" 98+13.68	LT	14.0	15.0	10.0	−2.07%	95	GRAVEL	
F14	"L" 98+85.71	LT	10.0	10.0	5.0	5.02%	116	GRAVEL	
F14	"L" 98+93.49	RT	20.0	10.0	10.0	−3.61%	83	GRAVEL	
F14	"L" 99+48.91	LT	10.0	20.0	10.0	−3.62%	8	GRAVEL	
639(1A) RESIDENCE DRIVEWAY PAVED, BID TOTAL (EACH):							-----		
639(1B) RESIDENCE DRIVEWAY GRAVEL, BID TOTAL (EACH):							38		
639(3) PUBLIC APPROACH, BID TOTAL (EACH):							3		

100%
REVIEW
4/23/2024

LOUNSBURY & ASSOCIATES, INC.
1175 N. LEATHERLEAF LOOP, STE D
WASILLA, ALASKA 99654
(907)357-9132
CERT. OF AUTH. NO. AECC391

CITY OF HOUSTON
RECONDITIONING
NINE FLOOD DAMAGED ROADS
IN THE CITY OF HOUSTON

SUMMARY TABLES

AGL

DRAFTED

JG

CHECKED

AGL

DESIGNED

LAYOUT

DATE/TIME

FILE T:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 D2.DWG

						NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS		
639(1B), 639(3)									ALASKA	XX-XX-XXXX	2024	D8	D11		
APPROACH / DRIVEWAY SUMMARY – ROUND TABLE DRIVE															
SHEET	STATION	OFFSET	WIDTH (LF)	RADIUS (FT)		ACCESS GRADE	SKEW	SURFACING	REMARKS						
				LEFT	RIGHT										
F15	"T" 182+02.43	LT	16.0	15.0	15.0	-1.91%	86	GRAVEL							
F15	"T" 182+45.7	RT	16.0	15.0	15.0	3.36%	85	GRAVEL							
F15	"T" 183+48.88	RT	22.0	10.0	15.0	-5.50%	84	GRAVEL							
F15	"T" 183+99.78	LT	36.0	10.0	10.0	-5.14%	85	GRAVEL							
F16	"T" 185+25.28	LT	22.0	10.0	10.0	-6.71%	94	GRAVEL							
639(1A) RESIDENCE DRIVEWAY PAVED, BID TOTAL (EACH):							-----								
639(1B) RESIDENCE DRIVEWAY GRAVEL, BID TOTAL (EACH):							5								
639(3) PUBLIC APPROACH, BID TOTAL (EACH):							-----								
639(1B), 639(3)															
APPROACH / DRIVEWAY SUMMARY – ROBIN HOOD DRIVE															
SHEET	STATION	OFFSET	WIDTH (LF)	RADIUS (FT)		ACCESS GRADE	SKEW	SURFACING	REMARKS						
				LEFT	RIGHT										
F17	"R" 41+94.61	LT	18.0	10.0	10.0	-4.76%	84	GRAVEL							
F17	"R" 42+62.09	LT	26.0	12.0	12.0	-5.82%	94	GRAVEL							
F18	"R" 44+56.7	LT	22.0	15.0	15.0	-2.82%	89	GRAVEL							
F18	"R" 45+50.40	RT	14.0	12.0	14.0	0.19%	89	GRAVEL							
F18	"R" 45+54.53	LT	14.0	20.0	20.0	-1.04%	99	GRAVEL							
F18	"R" 46+10.43	RT	10.0	12.0	12.0	-1.67%	91	GRAVEL							
F18	"R" 47+28.18	LT	12.0	12.0	18.0	-0.42%	89	GRAVEL							
F19	"R" 51+19.87	RT	10.0	8.0	8.0	3.71%	81	GRAVEL							
F19	"R" 51+25.77	LT	10.0	6.0	6.0	8.40%	68	GRAVEL							
639(1A) RESIDENCE DRIVEWAY PAVED, BID TOTAL (EACH):							-----								
639(1B) RESIDENCE DRIVEWAY GRAVEL, BID TOTAL (EACH):							9								
639(3) PUBLIC APPROACH, BID TOTAL (EACH):							-----								
639(1B), 639(3)															
APPROACH / DRIVEWAY SUMMARY – MAID MARIAN DRIVE															
SHEET	STATION	OFFSET	WIDTH (LF)	RADIUS (FT)		ACCESS GRADE	SKEW	SURFACING	REMARKS						
				LEFT	RIGHT										
F20	"M" 103+17.49	LT	24.0	18.0	18.0	-2.84%	96.9	GRAVEL	W. MAID MARIAN CIRCLE						
F20	"M" 101+15.09	RT	20.0	10.0	10.0	-1.31%	96	GRAVEL							
F20	"M" 104+75.84	RT	30.0	8.0	10.0	10.14%	100	GRAVEL							
639(1A) RESIDENCE DRIVEWAY PAVED, BID TOTAL (EACH):							-----								
639(1B) RESIDENCE DRIVEWAY GRAVEL, BID TOTAL (EACH):							2								
639(3) PUBLIC APPROACH, BID TOTAL (EACH):							1								
639(1B), 639(3)															
APPROACH / DRIVEWAY SUMMARY – WILDERNESS CT/LITTLE SUSITNA DR															
SHEET	STATION	OFFSET	WIDTH (LF)	RADIUS (FT)		ACCESS GRADE	SKEW	SURFACING	REMARKS						
				LEFT	RIGHT										
F22	"M" 110+84.93	RT	20.0	40.0	80.0	0.51%	116	GRAVEL							
F22	"M" 116+21.74	LT	18.0	12.0	20.0	-1.08%	85	GRAVEL							
F22	"M" 117+12.94	LT	12.0	16.0	30.0	-2.20%	69	GRAVEL							
F2	"M" 117+57.51	LT	10.0	10.0	20.0	-4.29%	80	GRAVEL							
F22	"M" 118+45.86	LT	16.0	16.0	16.0	-3.47%	89	GRAVEL							
F22	"M" 118+97.97	LT	20.0	15.0	15.0	-5.11%	99	GRAVEL							
F22	"M" 119+43.19	LT	12.0	12.0	12.0	-5.07%	92	GRAVEL							
F22	"M" 120+20.28	LT	12.0	12.0	12.0	-3.22%	90	GRAVEL							
639(1A) RESIDENCE DRIVEWAY PAVED, BID TOTAL (EACH):							-----								
639(1B) RESIDENCE DRIVEWAY GRAVEL, BID TOTAL (EACH):							8								
639(3) PUBLIC APPROACH, BID TOTAL (EACH):							-----								

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REVIEW
4/23/2024

LOUNSBURY & ASSOCIATES, INC.
1175 N. LEATHERLEAF LOOP, STE D
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CERT. OF AUTH. NO. AECC391

CITY OF HOUSTON
RECONDITIONING
NINE FLOOD DAMAGED ROADS
IN THE CITY OF HOUSTON

SUMMARY TABLES

202(4)				
REMOVAL OF CULVERT PIPE – PAYDIRT ROAD				
SHEET	STATION	OFFSET	LENGTH (LF)	REMARKS
F1	"P" 12+23	RT	15	
F1	"P" 13+47	RT	18	
F2	"P" 15+18	RT	20	
F2	"P" 18+40	RT	30	
F3	"P" 19+55	RT	20	
F3	"P" 20+34	RT	25	
F3	"P" 21+62	RT	20	
F4	"P" 25+25	LT	20	
F4	"P" 26+24	RT	20	
F4	"P" 27+82	RT	25	
F4	"P" 28+19	LT	15	
F4	"P" 29+10	LT	14	
F5	"P" 31+71	RT	20	
F6	"P" 35+97	RT	35	
F6	"P" 36+30	CL	40	
F6	"P" 38+26	RT	20	
F6	"P" 38+57	LT	20	
F6	"P" 39+24	CL	24	
F26	"SB" 140+69	LT	20	
202(4) REMOVAL OF CULVERT PIPE, TOTAL (LF):			421	
202(4) REMOVAL OF CULVERT PIPE, BID TOTAL (LF):			430	

202(4)				
REMOVAL OF CULVERT PIPE – ROBIN HOOD DRIVE				
SHEET	STATION	OFFSET	LENGTH (LF)	REMARKS
F17	"R" 41+93	LT	20	
F17	"R" 42+64	LT	34	
F17	"R" 43+53	CL	40	
F18	"R" 45+50	RT	18	
F18	"R" 45+56	LT	19	
F18	"R" 46+11	RT	12	
F7	"R" 48+72	RT	44	
F19	"R" 50+01	CL	24	
F19	"R" 50+05	CL	24	
F19	"R" 51+09	LT	10	
202(4) REMOVAL OF CULVERT PIPE, TOTAL (LF):			245	
202(4) REMOVAL OF CULVERT PIPE, BID TOTAL (LF):			250	

202(4)				
REMOVAL OF CULVERT PIPE – LITTLE JOHN DRIVE				
SHEET	STATION	OFFSET	LENGTH (LF)	REMARKS
F8	"L" 66+88	CL	31	
F9	"L" 69+57	RT	11	
F9	"L" 71+41	CL	33	
F9	"L" 71+79	LT	25	
F9	"L" 72+02	CL	34	
F9	"L" 72+68	CL	30	
F9	"L" 74+43	RT	22	
F10	"L" 76+95	LT	27	
F10	"L" 77+39	CL	34	
F10	"L" 78+08	RT	24	
F12	"L" 88+66	RT	19	
F13	"L" 91+84	LT	18	
F13	"L" 94+08	LT	24	
F14	"L" 94+58	LT	24	
F14	"L" 96+06	LT	24	
202(4) REMOVAL OF CULVERT PIPE, TOTAL (LF):			380	
202(4) REMOVAL OF CULVERT PIPE, BID TOTAL (LF):			390	

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	XX–XX–XXXX	2024	D9	D11

202(4)				
REMOVAL OF CULVERT PIPE – MAID MARIAN DRIVE				
SHEET	STATION	OFFSET	LENGTH (LF)	REMARKS
F20	"M" 100+59	CL	29	
202(4) REMOVAL OF CULVERT PIPE, TOTAL (LF):			29	
202(4) REMOVAL OF CULVERT PIPE, BID TOTAL (LF):			30	

202(4)				
REMOVAL OF CULVERT PIPE – WILDERNESS CT/LITTLE SUSITNA DR				
SHEET	STATION	OFFSET	LENGTH (LF)	REMARKS
F22	"M" 115+49	CL	29	
F22	"M" 120+30	CL	36	
202(4) REMOVAL OF CULVERT PIPE, TOTAL (LF):			65	
202(4) REMOVAL OF CULVERT PIPE, BID TOTAL (LF):			70	

202(4)				
REMOVAL OF CULVERT PIPE – ROUND TABLE DRIVE				
SHEET	STATION	OFFSET	LENGTH (LF)	REMARKS
F15	"T" 180+51	CL	48	
F15	"T" 182+43	RT	12	
F15	"T" 183+44	RT	31	
202(4) REMOVAL OF CULVERT PIPE, TOTAL (LF):			91	
202(4) REMOVAL OF CULVERT PIPE, BID TOTAL (LF):			100	

202(13)				
REMOVAL OF STRUCTURES AND OBSTRUCTIONS				
SHEET	STATION	OFFSET	TYPE	REMARKS
F4	"P" 28+07	LT	SATELLITE DISH	RELOCATE TO ADJACENT PROPERTY
F14	"L" 98+98	LT	SATELLITE DISH	RELOCATE TO ADJACENT PROPERTY
F15	"T" 183+49	LT	CONNEX	RELOCATE TO ADJACENT PROPERTY
F16	"T" 184+51 TO 185+15	LT	GARDEN BED	RELOCATE TO ADJACENT PROPERTY
202(13) REMOVAL OF STRUCTURES AND OBSTRUCTIONS, TOTAL (LS):			ALL REQ'D	

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REVIEW
4/23/2024

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CITY OF HOUSTON
RECONDITIONING
NINE FLOOD DAMAGED ROADS
IN THE CITY OF HOUSTON

SUMMARY TABLES

603(1-12), 603(1-18)

CULVERT PIPE TABLE – PAYDIRT ROAD								
SHEET	BEGIN STATION	BEGIN OFFSET	DESCRIPTION	IE (IN)	IE (OUT)	SLOPE	LENGTH (LF)	REMARKS
F1	"P" 10+13	21.8 RT	12 INCH CSP	262.51	261.69	2.9%	28	
F1	"P" 10+14	23.0 LT	12 INCH CSP	262.46	261.77	2.9%	24	
F1	"P" 11+97	19.5 LT	12 INCH CSP	261.00	261.49	−1.6%	30	
F1	"P" 12+12	19.5 RT	12 INCH CSP	261.23	261.67	−1.8%	24	
F1	"P" 13+34	19.5 RT	12 INCH CSP	263.49	263.69	−0.8%	24	
F2	"P" 15+06	19.5 RT	12 INCH CSP	261.66	261.12	2.3%	24	
F2	"P" 16+78	17.0 LT	12 INCH CSP	257.89	257.55	1.4%	24	
F2	"P" 18+23	19.5 RT	12 INCH CSP	256.00	255.61	1.1%	36	
F2	"P" 19+41	19.5 RT	12 INCH CSP	255.74	255.96	−0.8%	28	
F3	"P" 20+21	19.5 RT	12 INCH CSP	255.77	255.59	0.6%	28	
F3	"P" 21+50	19.5 RT	12 INCH CSP	255.92	256.30	−0.9%	42	
F4	"P" 25+15	19.5 LT	12 INCH CSP	256.02	256.18	−0.5%	32	
F4	"P" 26+13	19.5 RT	12 INCH CSP	256.58	256.73	−0.6%	24	
F4	"P" 27+71	19.5 RT	12 INCH CSP	257.53	257.67	−0.6%	24	
F4	"P" 28+07	19.5 LT	12 INCH CSP	257.74	257.86	−0.5%	24	
F4	"P" 28+94	19.5 LT	12 INCH CSP	257.79	257.64	0.6%	24	
F5	"P" 31+59	19.5 RT	12 INCH CSP	256.75	256.63	0.5%	24	
F6	"P" 36+30	19.5 RT	18 INCH CSP	255.82	255.62	0.5%	40	
F6	"P" 38+13	19.5 RT	12 INCH CSP	257.53	257.41	0.5%	24	
F6	"P" 38+47	33.7 LT	12 INCH CSP	257.28	257.06	0.9%	24	
F6	"P" 39+28	4.2 RT	12 INCH CSP	257.74	257.62	0.5%	24	
F26	"SB" 140+24	22.0 LT	18 INCH CSP	255.88	256.10	−0.5%	44	
F26	"SB" 140+55	17.5 LT	12 INCH CSP	257.53	258.81	−5.3%	24	
F27	"ST" 170+30	23.5 RT	18 INCH CSP	255.43	255.66	−0.5%	46	
603(1-12) 12 INCH CSP, BID TOTAL (LF):							560	
603(1-18) 18 INCH CSP, BID TOTAL (LF):							130	

603(1-12), 603(1-18)

CULVERT PIPE TABLE – RAINEE STREET								
SHEET	BEGIN STATION	BEGIN OFFSET	DESCRIPTION	IE (IN)	IE (OUT)	SLOPE	LENGTH (LF)	REMARKS
F26	"RN" 152+80	19.5 LT	18 INCH CSP	256.28	256.85	−1.5%	38	
603(1-12) 12 INCH CSP, BID TOTAL (LF):							0	
603(1-18) 18 INCH CSP, BID TOTAL (LF):							38	

603(1-12), 603(1-18)

CULVERT PIPE TABLE – MERLIN DRIVE								
SHEET	BEGIN STATION	BEGIN OFFSET	DESCRIPTION	IE (IN)	IE (OUT)	SLOPE	LENGTH (LF)	REMARKS
F27	"MR" 163+20	19.5 LT	18 INCH CSP	257.00	256.80	0.5%	40	
603(1-12) 12 INCH CSP, BID TOTAL (LF):							0	
603(1-18) 18 INCH CSP, BID TOTAL (LF):							40	

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	XX-XX-XXXX	2024	D10	D11

603(1-12), 603(1-18)

CULVERT PIPE TABLE – ROBIN HOOD DRIVE								
SHEET	BEGIN STATION	BEGIN OFFSET	DESCRIPTION	IE (IN)	IE (OUT)	SLOPE	LENGTH (LF)	REMARKS
F15	"T" 180+38	19.5 RT	18 INCH CSP	259.60	259.40	0.5%	40	
F17	"R" 41+78	19.5 LT	12 INCH CSP	260.75	260.48	1.0%	28	
F17	"R" 42+46	19.5 LT	12 INCH CSP	260.00	259.73	0.7%	36	
F17	"R" 43+54	19.5 RT	18 INCH CSP	259.37	259.17	0.5%	40	
F17	"R" 44+40	19.5 LT	12 INCH CSP	260.00	260.26	−0.8%	34	
F18	"R" 45+38	19.5 RT	12 INCH CSP	260.70	260.82	−0.5%	24	
F18	"R" 45+44	19.5 LT	12 INCH CSP	260.79	260.63	0.5%	32	
F18	"R" 45+99	19.5 RT	12 INCH CSP	260.63	260.51	0.5%	24	
F18	"R" 47+17	19.5 LT	12 INCH CSP	260.03	259.91	0.5%	24	
F7	"L" 60+35	19.5 RT	18 INCH CSP	258.50	258.30	0.5%	40	
F19	"R" 50+01	19.5 RT	18 INCH CSP	258.70	258.50	0.5%	40	
F19	"R" 50+05	19.5 RT	18 INCH CSP	258.67	258.47	0.5%	40	
F19	"R" 50+96	38.5 LT	18 INCH CSP	258.12	258.00	0.5%	24	
F19	"R" 51+02	41.0 RT	12 INCH CSP	258.33	258.21	0.5%	24	
603(1-12) 12 INCH CSP, BID TOTAL (LF):							230	
603(1-18) 18 INCH CSP, BID TOTAL (LF):							230	

603(1-12), 603(1-18)

CULVERT PIPE TABLE – ROUND TABLE DRIVE								
SHEET	BEGIN STATION	BEGIN OFFSET	DESCRIPTION	IE (IN)	IE (OUT)	SLOPE	LENGTH (LF)	REMARKS
F15	"T" 181+85	19.5 LT	12 INCH CSP	259.49	259.91	−1.4%	30	
F15	"T" 182+29	19.5 RT	12 INCH CSP	260.10	260.56	−1.5%	30	
F15	"T" 183+29	19.5 RT	12 INCH CSP	261.55	261.89	−1.0%	34	
F15	"T" 183+76	19.5 LT	12 INCH CSP	262.00	262.28	−0.6%	46	
F16	"T" 185+10	19.5 LT	12 INCH CSP	262.71	262.87	−0.5%	32	
603(1-12) 12 INCH CSP, BID TOTAL (LF):							180	
603(1-18) 18 INCH CSP, BID TOTAL (LF):							0	

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4/23/2024

LOUNSBURY & ASSOCIATES, INC.

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CITY OF HOUSTON

RECONDITIONING
NINE FLOOD DAMAGED ROADS
IN THE CITY OF HOUSTON

SUMMARY TABLES

603(1-12), 603(1-18)

CULVERT PIPE TABLE – LITTLE JOHN DRIVE								
SHEET	BEGIN STATION	BEGIN OFFSET	DESCRIPTION	IE (IN)	IE (OUT)	SLOPE	LENGTH (LF)	REMARKS
F7	"L" 62+03	19.5 LT	12 INCH CSP	258.60	258.79	−0.7%	28	
F8	"L" 64+79	19.5 LT	12 INCH CSP	260.54	260.73	−0.7%	28	
F20	"M" 100+22	24.0 LT	18 INCH CSP	260.97	260.72	0.5%	50	
F8	"L" 66+91	19.5 RT	18 INCH CSP	260.35	260.15	0.5%	40	
F8	"L" 67+86	19.5 RT	12 INCH CSP	260.27	260.47	−0.7%	30	
F8	"L" 68+21	19.5 LT	12 INCH CSP	260.51	260.70	−0.7%	26	
F8	"L" 69+04	19.5 LT	12 INCH CSP	261.09	261.34	−0.7%	34	
F8	"L" 69+45	19.5 RT	12 INCH CSP	261.42	261.60	−0.7%	26	
F9	"L" 71+42	19.5 LT	18 INCH CSP	262.48	262.28	0.5%	40	
F9	"L" 72+13	19.5 LT	18 INCH CSP	262.84	262.64	0.5%	40	
F9	"L" 72+52	19.5 RT	12 INCH CSP	263.04	263.16	−0.5%	24	
F9	"L" 72+90	19.5 LT	12 INCH CSP	263.23	263.39	−0.5%	32	
F9	"L" 73+29	19.5 RT	12 INCH CSP	263.43	263.56	−0.5%	26	
F9	"L" 73+97	19.5 LT	12 INCH CSP	263.84	264.05	−0.6%	36	
F9	"L" 74+32	19.5 RT	12 INCH CSP	264.00	264.12	−0.5%	24	
F10	"L" 74+53	19.5 LT	12 INCH CSP	264.11	264.26	−0.5%	28	
F10	"L" 75+17	19.5 LT	12 INCH CSP	264.45	264.30	0.5%	30	
F10	"L" 75+34	19.5 RT	12 INCH CSP	264.41	264.28	0.5%	26	
F10	"L" 77+39	19.5 RT	18 INCH CSP	260.46	260.26	0.5%	40	
F10	"L" 77+98	19.5 RT	12 INCH CSP	260.57	260.96	−1.4%	28	
F10	"L" 78+08	19.5 LT	12 INCH CSP	260.70	261.06	−1.5%	24	
F10	"L" 79+10	19.5 LT	12 INCH CSP	262.24	262.61	−1.4%	26	
F10	"L" 79+29	19.5 RT	12 INCH CSP	262.51	262.87	−1.5%	24	
F11	"L" 79+60	19.5 RT	12 INCH CSP	262.96	263.67	−1.5%	48	
F11	"L" 79+68	19.5 LT	12 INCH CSP	263.08	263.40	−1.3%	24	
F11	"L" 80+85	19.5 RT	12 INCH CSP	264.36	264.59	−0.8%	30	
F11	"L" 81+42	19.5 RT	12 INCH CSP	264.81	265.00	−0.6%	30	
F11	"L" 81+89	19.5 RT	12 INCH CSP	265.21	265.41	−0.7%	28	
F11	"L" 83+24	19.5 RT	12 INCH CSP	265.52	264.86	2.5%	26	
F12	"L" 87+06	19.5 LT	12 INCH CSP	264.03	264.30	−1.1%	24	
F12	"L" 87+41	19.5 LT	12 INCH CSP	264.38	264.50	−0.5%	24	
F12	"L" 88+54	19.5 RT	12 INCH CSP	264.25	264.13	0.5%	24	
F13	"L" 90+37	19.5 LT	12 INCH CSP	264.50	264.62	−0.5%	24	
F13	"L" 91+75	19.5 LT	12 INCH CSP	264.26	264.03	1.0%	24	
F13	"L" 92+45	19.5 RT	12 INCH CSP	263.54	263.19	1.0%	34	
F13	"L" 93+03	19.5 RT	12 INCH CSP	262.95	262.59	1.0%	36	
F13	"L" 93+91	19.5 LT	12 INCH CSP	262.06	261.78	1.0%	28	
F13	"L" 94+43	19.5 LT	12 INCH CSP	261.54	261.24	1.0%	30	
F14	"L" 95+96	19.5 LT	12 INCH CSP	260.79	260.96	−0.7%	24	
F14	"L" 98+03	19.5 LT	12 INCH CSP	260.82	260.94	−0.5%	24	
F14	"L" 98+72	25.9 RT	12 INCH CSP	260.67	260.20	1.2%	40	
F14	"L" 98+95	41.9 LT	12 INCH CSP	260.35	260.23	0.5%	24	
F14	"L" 99+53	11.9 LT	12 INCH CSP	261.10	260.98	0.5%	24	
F28	"NC" 190+40	19.5 LT	18 INCH CSP	261.75	261.95	−0.5%	40	
F29	"FT" 200+38	19.5 LT	18 INCH CSP	261.60	261.40	0.5%	40	
F29	"LB" 210+30	25.3 LT	18 INCH CSP	265.25	265.01	0.5%	48	
603(1-12) 12 INCH CSP, BID TOTAL (LF):							1070	
603(1-18) 18 INCH CSP, BID TOTAL (LF):							340	

NO.	DATE	REVISION	ALASKA	PROJECT DESIGNATION XX-XX-XXXX	YEAR 2024	SHEET NO. D11	TOTAL SHEETS D11

603(1-12), 603(1-18)

CULVERT PIPE TABLE – MAID MARIAN DRIVE								
SHEET	BEGIN STATION	BEGIN OFFSET	DESCRIPTION	IE (IN)	IE (OUT)	SLOPE	LENGTH (LF)	REMARKS
F20	"M" 101+04	19.5 RT	12 INCH CSP	260.73	260.87	−0.5%	28	
F28	"MC" 220+19	19.0 LT	18 INCH CSP	260.63	261.15	−1.3%	40	
F20	"M" 104+58	17.0 RT	12 INCH CSP	262.50	262.84	−0.8%	40	
603(1-12) 12 INCH CSP, BID TOTAL (LF):							70	
603(1-18) 18 INCH CSP, BID TOTAL (LF):							40	

603(1-12), 603(1-18)

CULVERT PIPE TABLE – WILDERNESS CT/LITTLE SUSITNA DR								
SHEET	BEGIN STATION	BEGIN OFFSET	DESCRIPTION	IE (IN)	IE (OUT)	SLOPE	LENGTH (LF)	REMARKS
F22	"M" 110+73	17.5 RT	12 INCH CSP	258.82	259.14	−0.6%	52	
F22	"M" 115+50	17.5 RT	18 INCH CSP	258.83	258.65	0.5%	36	
F22	"M" 116+10	17.5 LT	12 INCH CSP	259.48	259.28	0.7%	28	
F22	"M" 116+93	17.5 LT	12 INCH CSP	259.71	260.05	−1.2%	28	
F22	"M" 117+44	17.5 LT	12 INCH CSP	260.26	260.44	−0.8%	24	
F22	"M" 118+32	17.5 LT	12 INCH CSP	260.85	261.07	−0.8%	28	
F22	"M" 118+85	17.5 LT	12 INCH CSP	261.36	261.20	0.5%	32	
F22	"M" 119+33	17.5 LT	12 INCH CSP	261.12	260.79	1.4%	24	
F22	"M" 120+00	17.5 LT	18 INCH CSP	260.62	260.44	0.5%	36	
F22	"M" 120+08	17.5 LT	12 INCH CSP	260.42	260.24	0.8%	24	
603(1-12) 12 INCH CSP, BID TOTAL (LF):							240	
603(1-18) 18 INCH CSP, BID TOTAL (LF):							80	

100%
REVIEW
4/23/2024

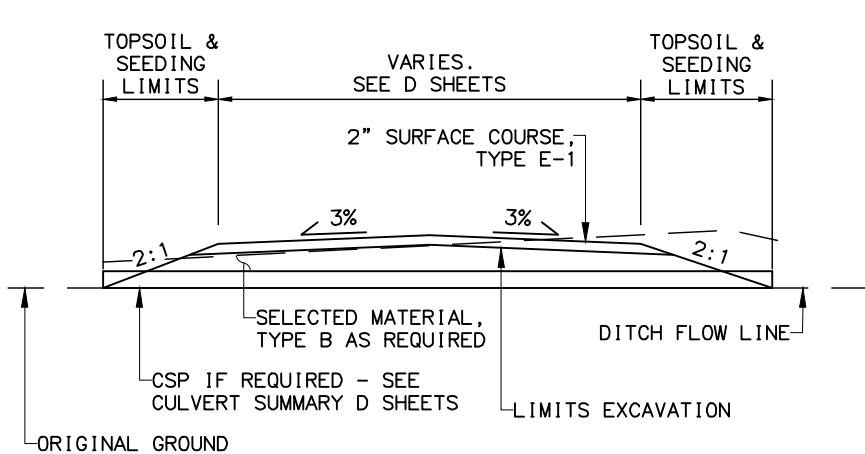
LOUNSBURY & ASSOCIATES, INC.
1175 N. LEATHERLEAF LOOP, STE D
WASILLA, ALASKA 99654
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CERT. OF AUTH. NO. AECC391

CITY OF HOUSTON
RECONDITIONING
NINE FLOOD DAMAGED ROADS
IN THE CITY OF HOUSTON

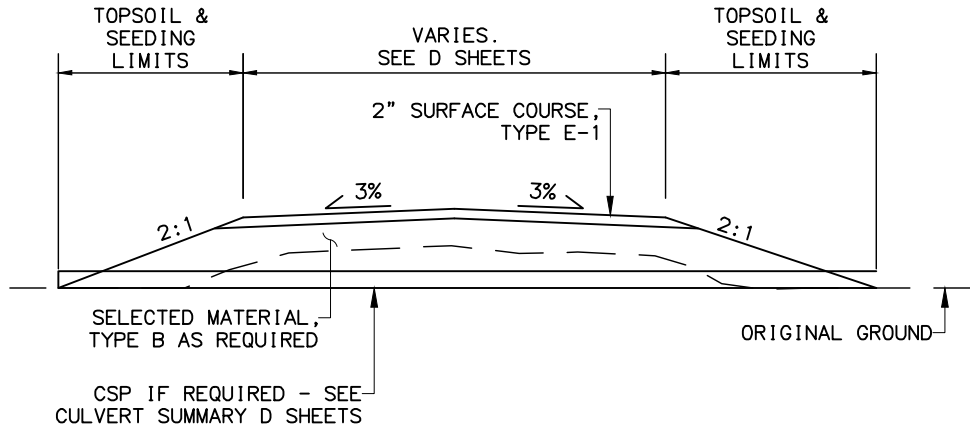
SUMMARY TABLES

FILE T:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 E1.DWG 4/23/2024 4:38 PM LAYOUT ----- DESIGNED AGL CHECKED JK DRAFTED AGL

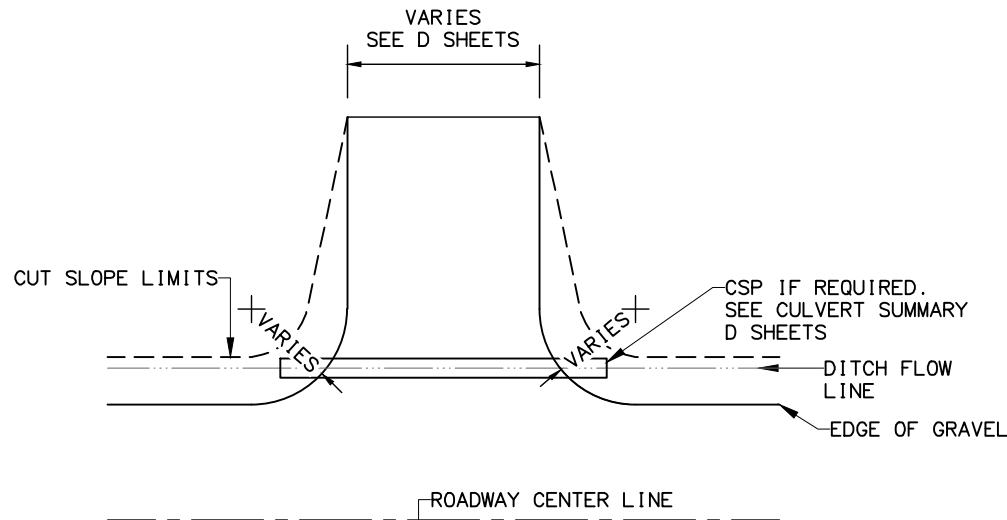
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			ALASKA	XX-XX-XXXX	2024	E1	E1



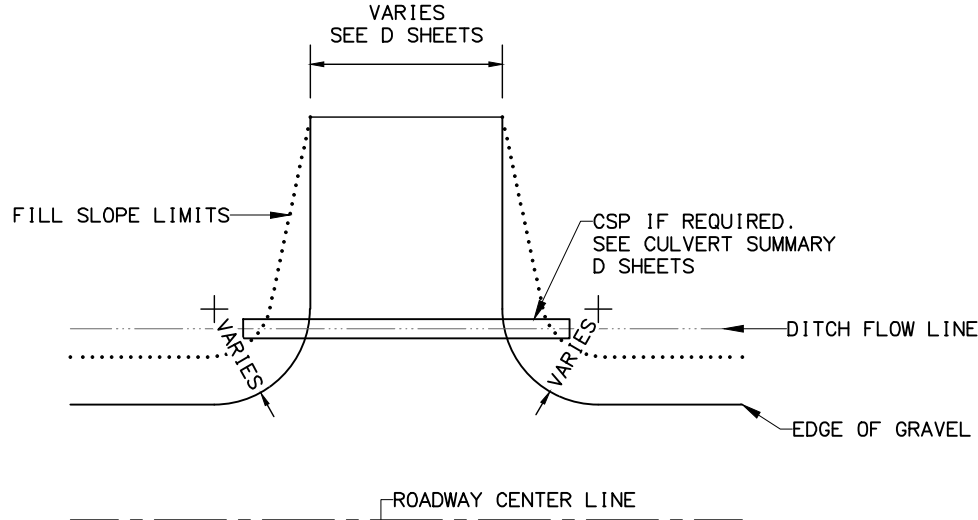
CUT



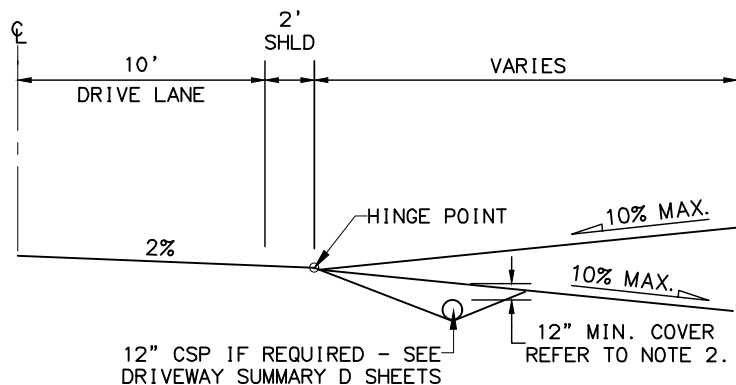
FILL



DRIVEWAY CUT CONDITIONS



DRIVEWAY FILL CONDITIONS



DRIVEWAY NOTES:

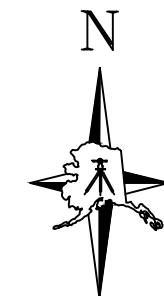
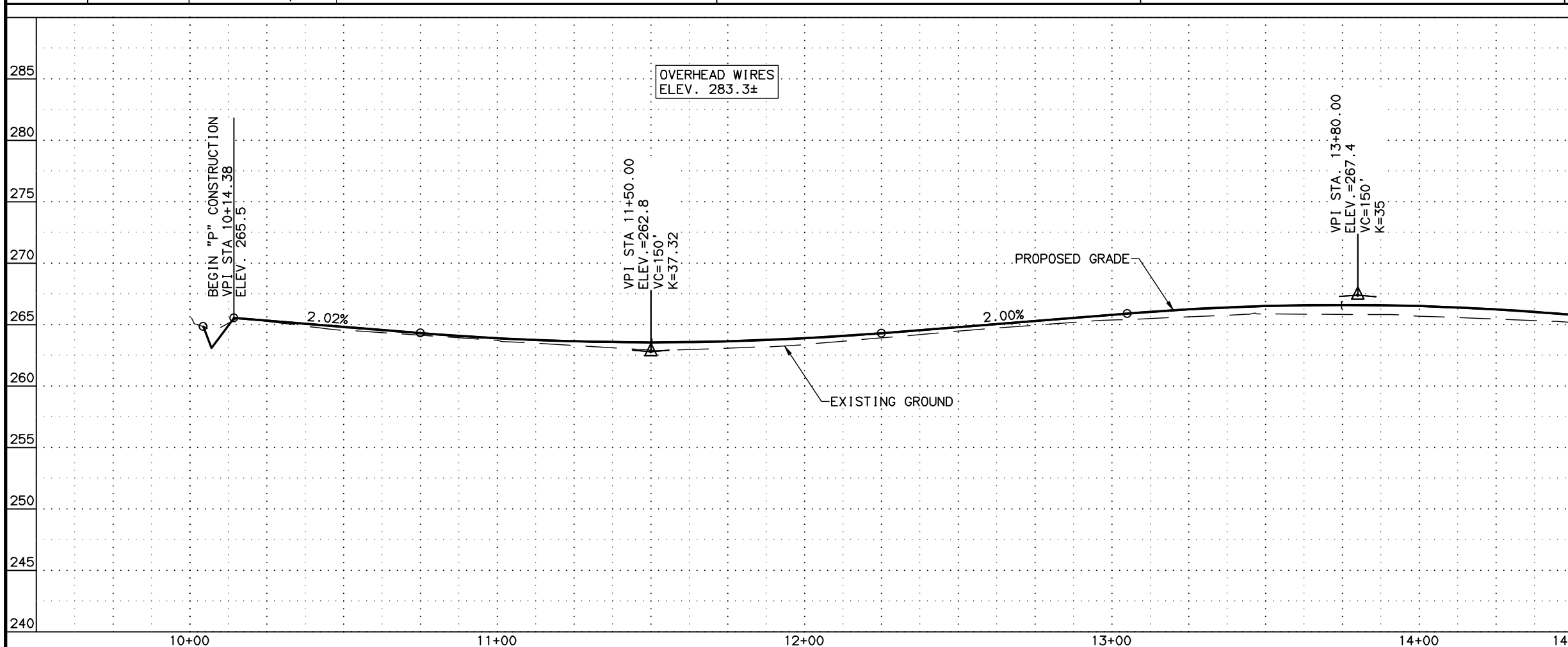
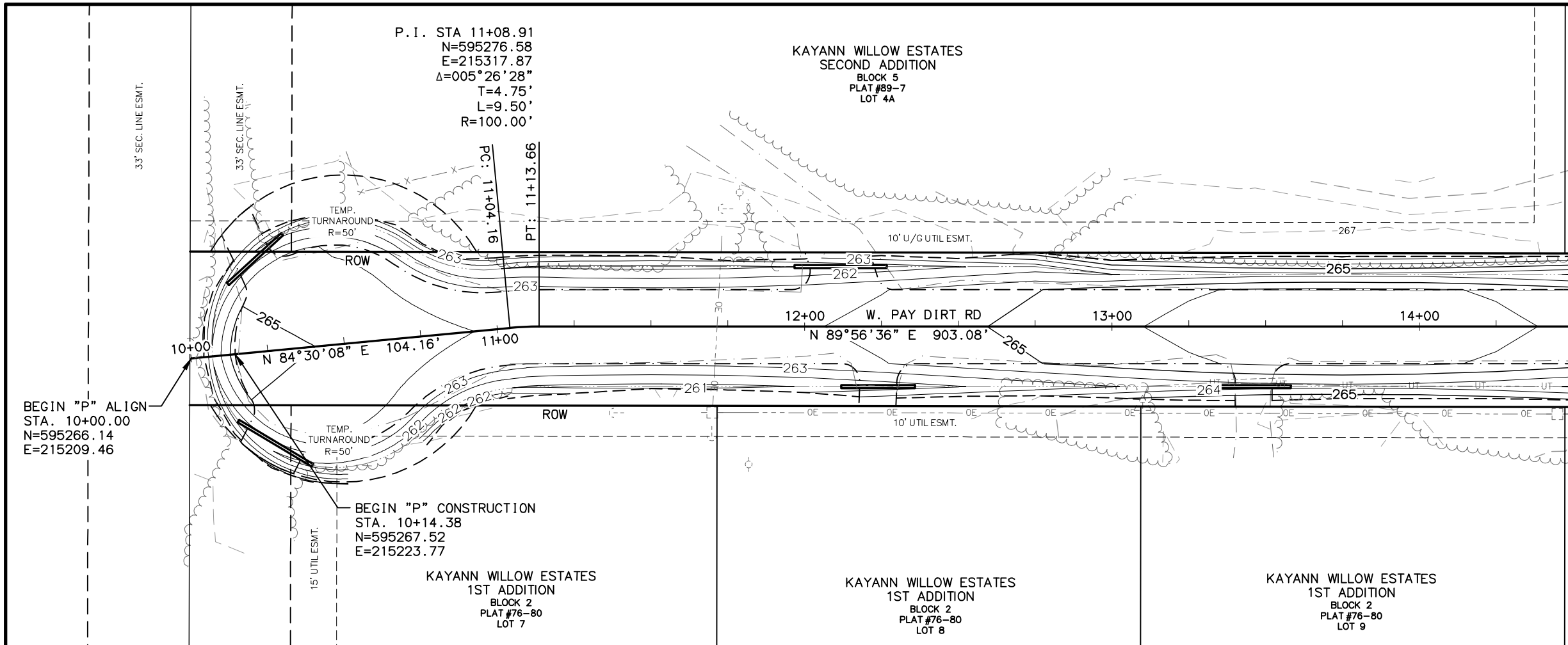
1. EXTEND DRIVEWAY TO THE ROW, DRIVEWAY PROFILES MAY BE MODIFIED AS DIRECTED BY THE BOROUGH'S REPRESENTATIVE.
2. IN AREAS WHERE THE COVER OVER THE DRIVEWAY CULVERT IS LESS THAN 12 INCHES, THE CONTRACTOR SHALL DEEPEN THE DITCH THROUGH THE DRIVEWAY SECTION AND LOWER THE CULVERT TO PROVIDE THE 12 INCH MINIMUM COVER OVER THE CULVERT AND RE-GRADE THE DITCH FOR DISTANCE OF A MINIMUM OF 15 FEET ON EACH SIDE OF THE DRIVEWAY. THE CONTRACTOR SHALL ASSURE THE RE-GRADING PROVIDES POSITIVE FLOW THROUGH THE MODIFIED DITCH AREA. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE INSTALLATION OF THE CULVERT.

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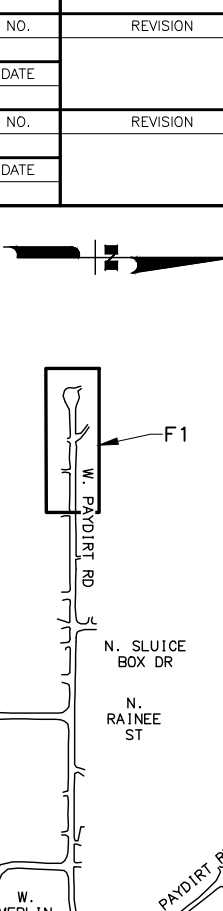
CITY OF HOUSTON
**RECONDITIONING
NINE FLOOD DAMAGED ROADS
IN THE CITY OF HOUSTON**

DRIVEWAY DETAILS



SHEET NO.	TOTAL SHEETS
F1	F29
STATE	YEAR
ALASKA	2024
PROJECT DESIGNATION	
XX-XX-XXXX	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	





F1

N. SLUICE BOX DR

N. RAINEE ST

W. MERLIN DR

W. PAY DIRT RD

STETSON CIR

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4/23/2024**

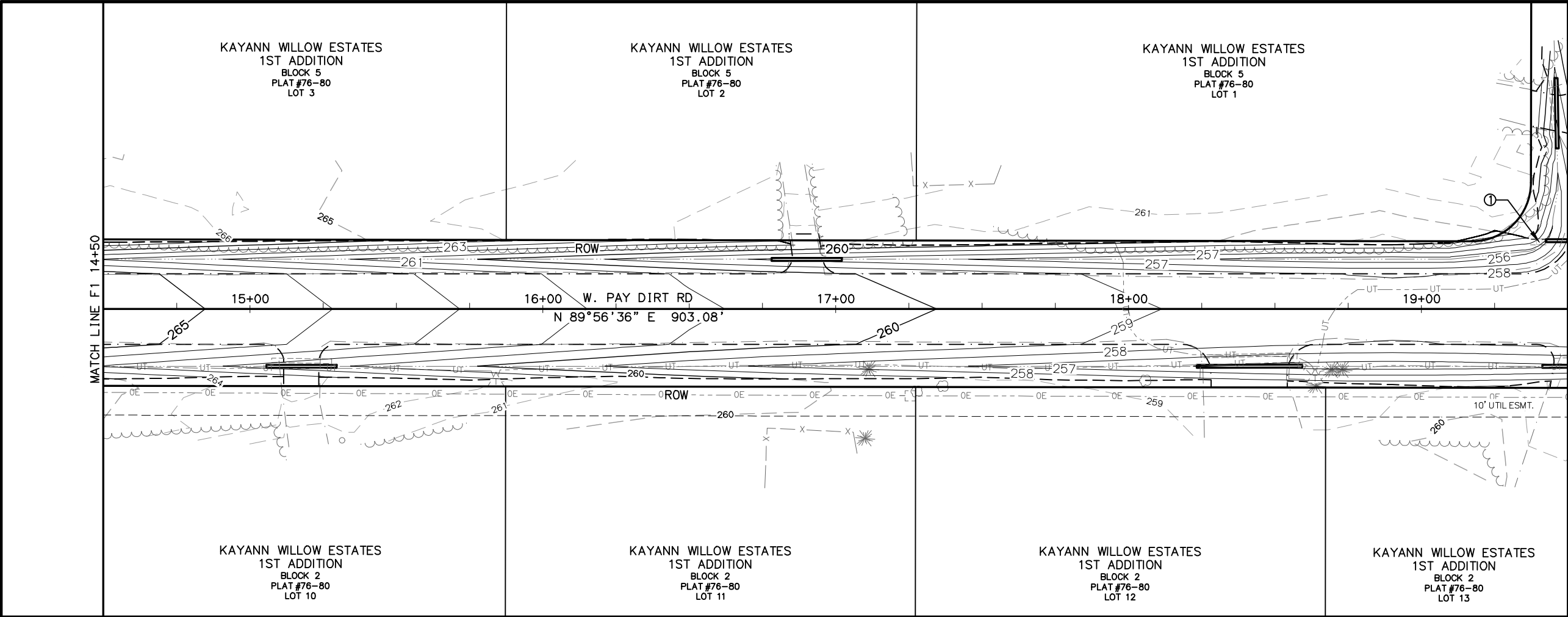
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CERT. OF AUTH. NO. AEC0391

CITY OF HOUSTON

RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON

W. PAY DIRT DRIVE
PLAN AND PROFILE
BOP TO STA. 14+50

FILE T:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 F1.DWG DATE/TIME 4/23/2024 4:41 PM LAYOUT 1" = 20' DESIGNED AGL CHECKED SP DRAFTED AGL



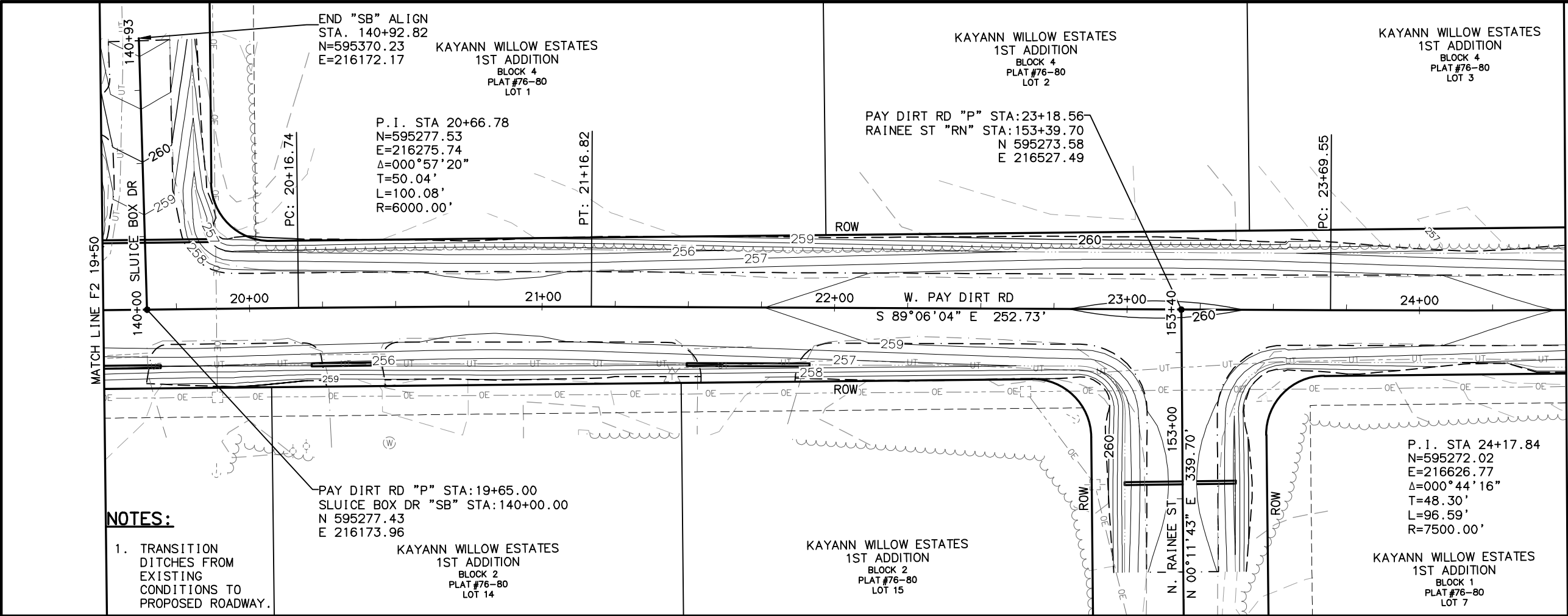
SHEET NO.		TOTAL SHEETS	
F2		F29	
STATE		YEAR	
ALASKA		2024	
PROJECT DESIGNATION			
XX-XX-XXXX			
NO.		REVISION	
DATE			
NO.		REVISION	
DATE			
NO.		REVISION	
DATE			

100% REVIEW
4/23/2024

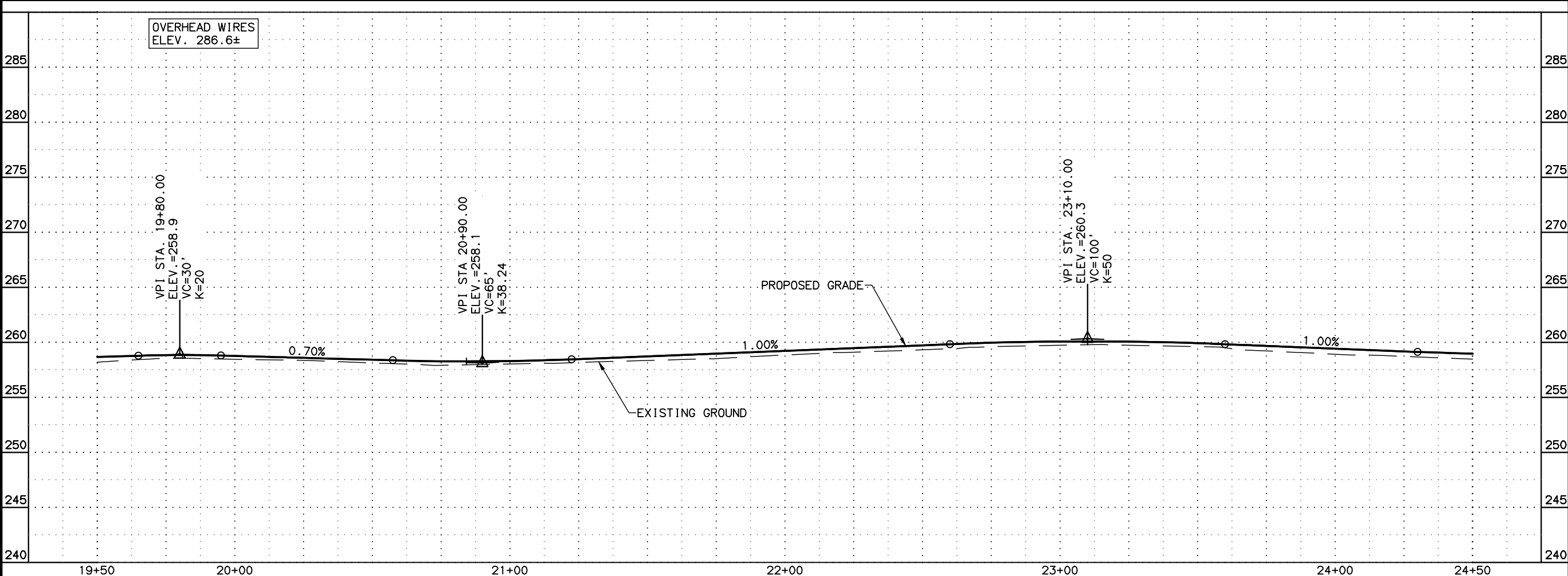
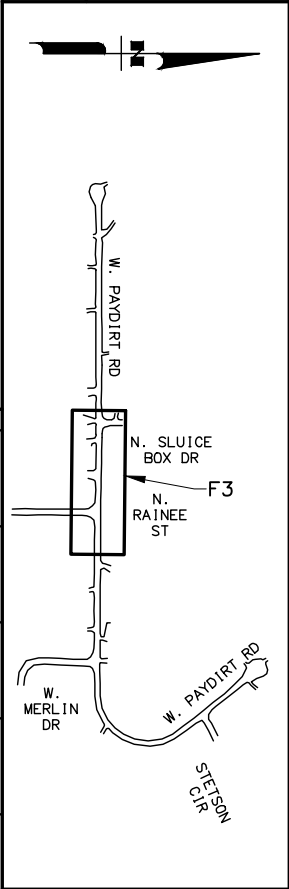
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CERT. OF AUTH. NO. AECC391

CITY OF HOUSTON
RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON

W. PAY DIRT DRIVE
PLAN AND PROFILE
STA. 14+50 TO
STA. 19+50



SHEET NO.	TOTAL SHEETS
F3	F29
STATE	YEAR
ALASKA	2024
PROJECT DESIGNATION	
XX-XX-XXXX	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



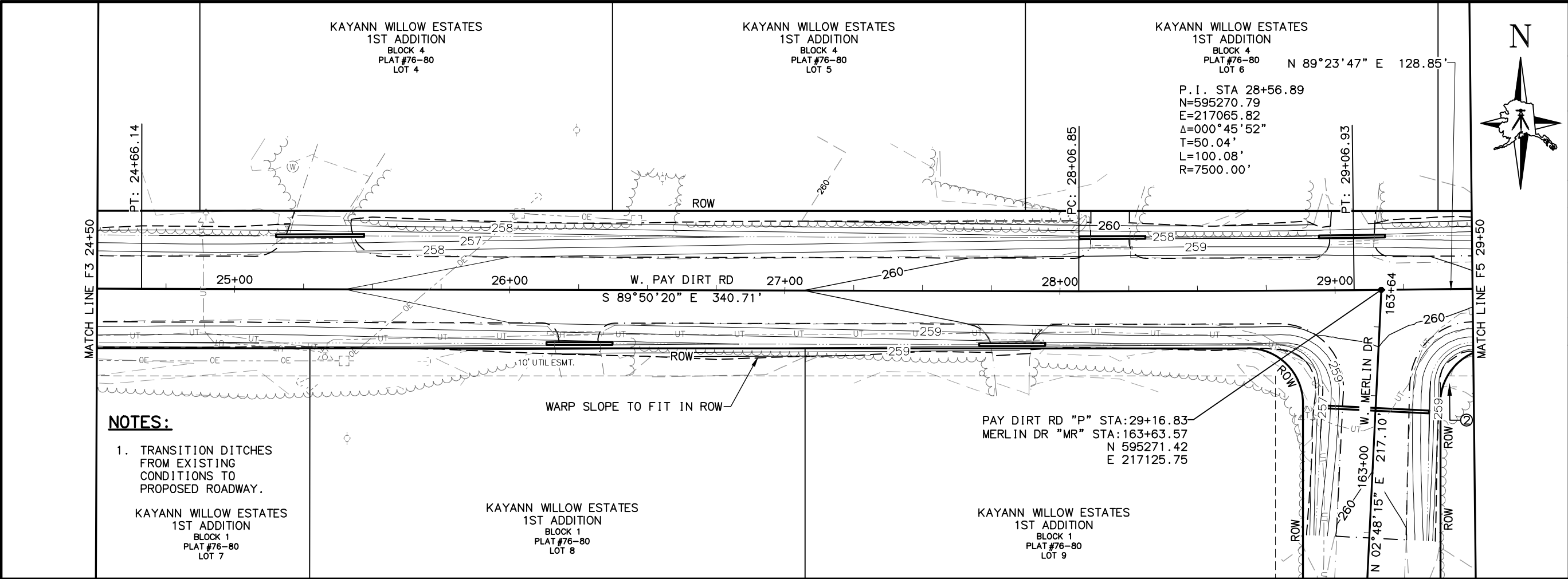
100% REVIEW
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CITY OF HOUSTON
RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON

W. PAY DIRT DRIVE
PLAN AND PROFILE
STA. 19+50 TO
STA. 24+50

FILE T:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 F1.DWG DATE/TIME 4/23/2024 4:41 PM LAYOUT 1" = 20' DESIGNED AGL CHECKED SP DRAFTED AGL



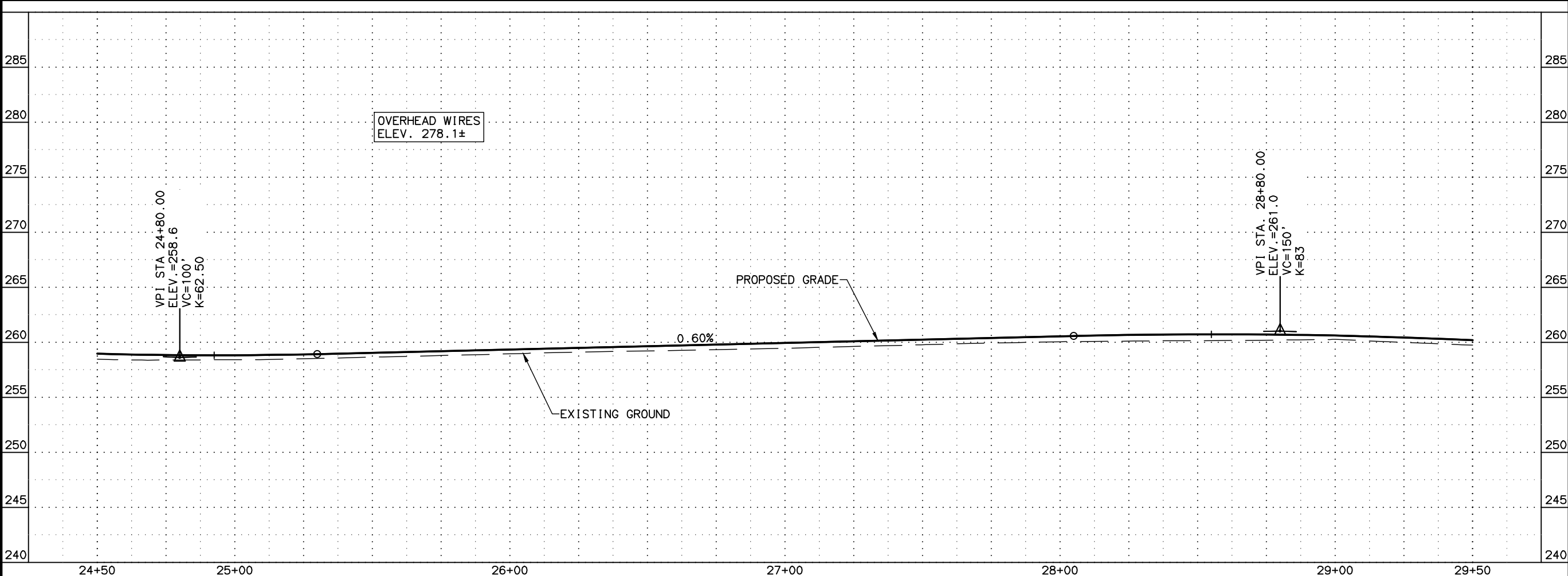
NOTES:

1. TRANSITION DITCHES FROM EXISTING CONDITIONS TO PROPOSED ROADWAY.

KAYANN WILLOW ESTATES 1ST ADDITION BLOCK 1 PLAT #76-80 LOT 7

KAYANN WILLOW ESTATES 1ST ADDITION BLOCK 1 PLAT #76-80 LOT 8

KAYANN WILLOW ESTATES 1ST ADDITION BLOCK 1 PLAT #76-80 LOT 9



SHEET NO.	F4	TOTAL SHEETS	F29
STATE	ALASKA	YEAR	2024
PROJECT DESIGNATION			
XX-XX-XXXX			
NO.	REVISION		
DATE			
NO.	REVISION		
DATE			
NO.	REVISION		
DATE			

W. PAY DIRT RD

N. SLUICE BOX DR

N. RAINEE ST

F4

W. MERLIN DR

W. PAY DIRT RD

STETSON

100% REVIEW
4/23/2024

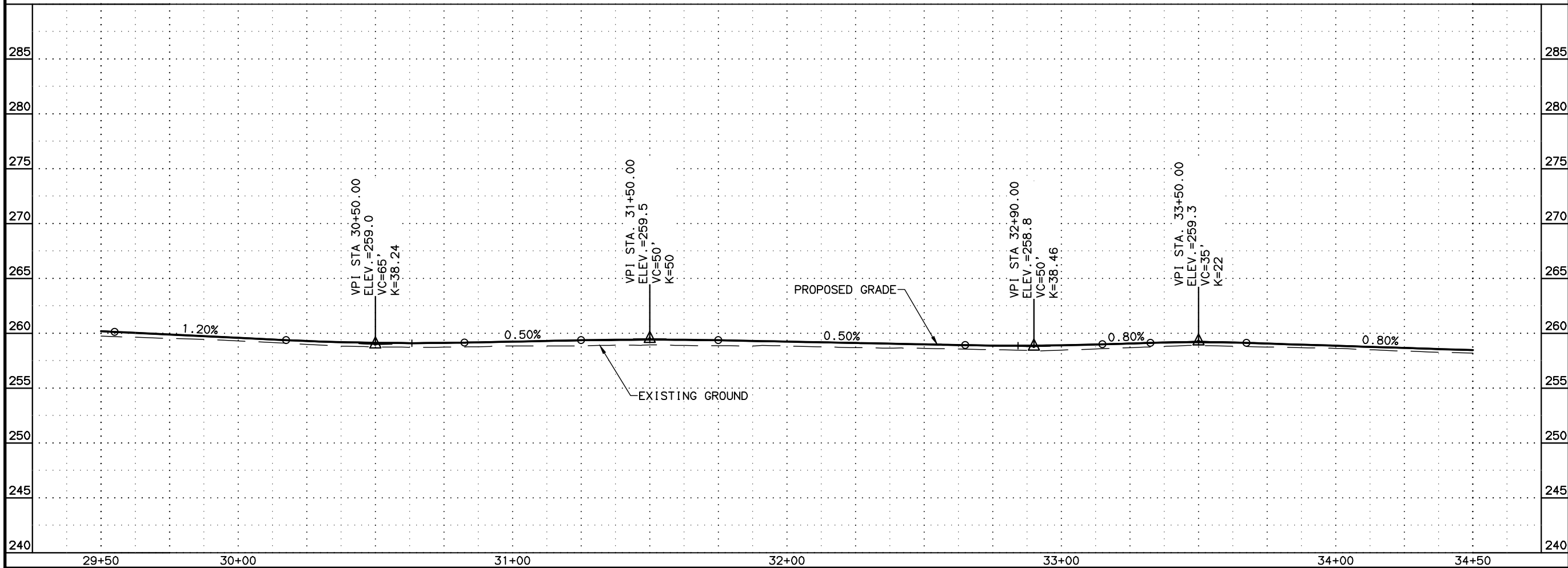
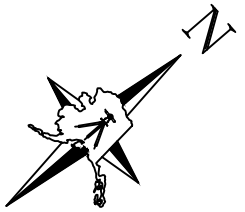
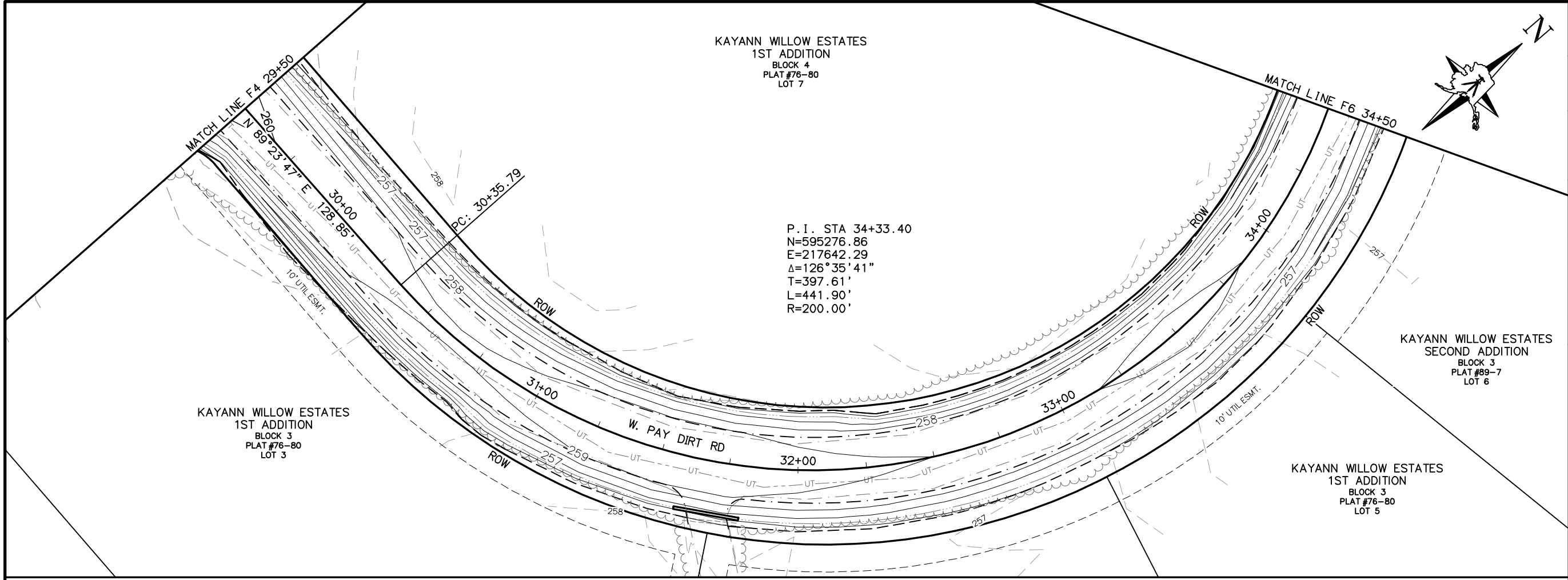
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(907)357-9132
CERT. OF AUTH. NO. AECC391

CITY OF HOUSTON
RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON

W. PAY DIRT DRIVE
PLAN AND PROFILE
STA. 24+50 TO
STA. 29+50

FILE I:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 F1.DWG

DATE/TIME 4/23/2024 4:41 PM LAYOUT 1" = 20' DESIGNED AGL CHECKED SP DRAFTED AGL



SHEET NO.		TOTAL SHEETS	
F5		F29	
STATE		YEAR	
ALASKA		2024	
PROJECT DESIGNATION			
XX-XX-XXXX			
NO.	REVISION		
DATE			
NO.	REVISION		
DATE			
NO.	REVISION		
DATE			

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4/23/2024

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CITY OF HOUSTON
RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON

W. PAY DIRT DRIVE
PLAN AND PROFILE
STA. 29+50 TO
STA. 34+50

FILE I:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 F1.DWG DATE/TIME 4/23/2024 4:41 PM LAYOUT 1" = 20' DESIGNED AGL CHECKED SP DRAFTED AGL

NOTES:

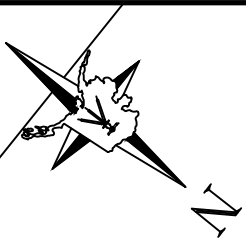
1. TRANSITION DITCHES FROM EXISTING CONDITIONS TO PROPOSED ROADWAY.

P.I. STA 35+59.25
N=595658.54
E=217352.59
Δ=002°10'48"
T=9.51'
L=19.02'
R=500.00'

PAY DIRT RD "P" STA:36+02.23
STETSON CIR "ST" STA:170+00.00
N 595691.77
E 217325.32

KAYANN WILLOW ESTATES
SECOND ADDITION
BLOCK 4
PLAT #89-7
LOT 8

KAYANN WILLOW ESTATES
SECOND ADDITION
BLOCK 4
PLAT #89-7
LOT 9



END "P" CONSTRUCTION
STA. 39+20.49
N=595937.78
E=217123.40

END "P" ALIGN
STA. 39+69.68
N=595975.80
E=217092.20

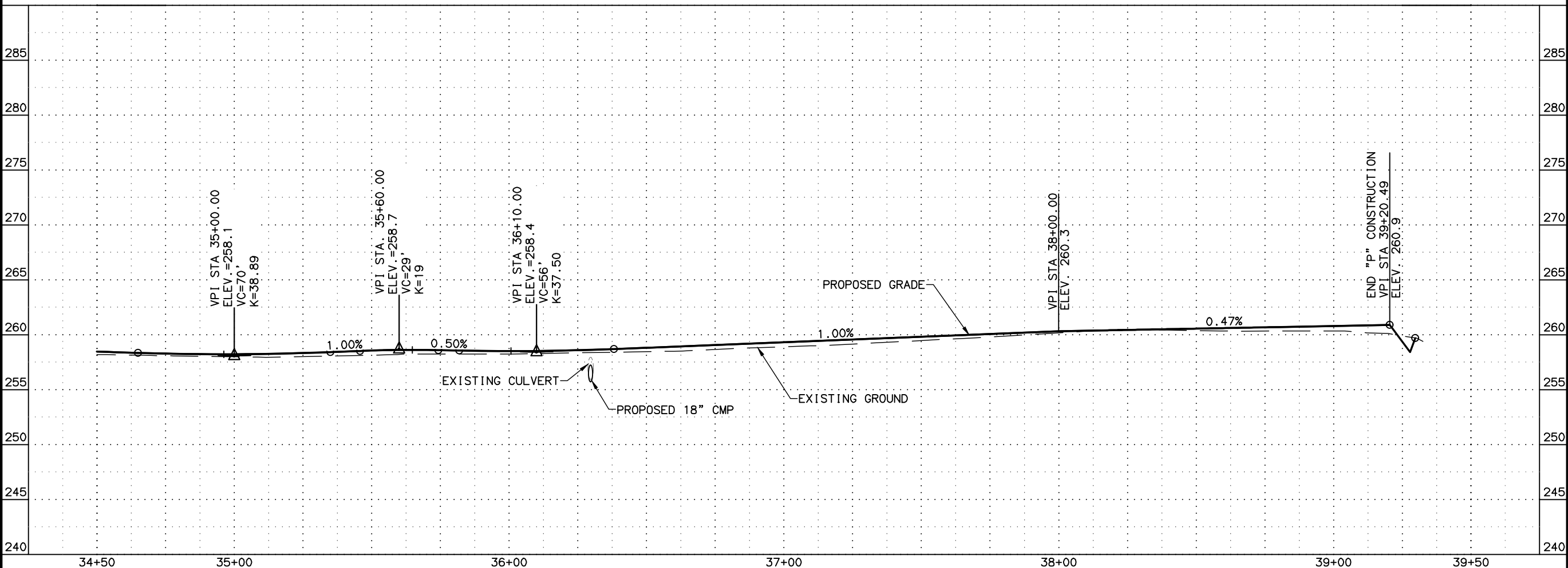
WARP SLOPE TO FIT IN ROW

KAYANN WILLOW ESTATES
SECOND ADDITION
BLOCK 3
PLAT #89-7
LOT 6

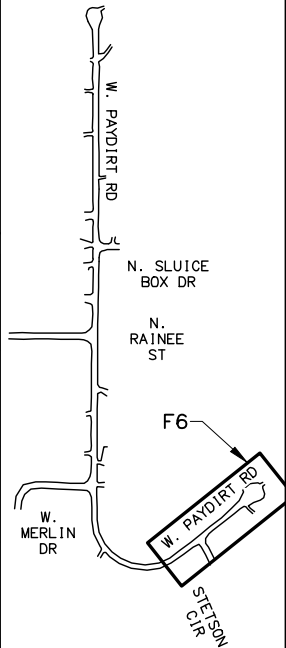
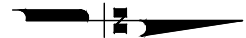
KAYANN WILLOW ESTATES
SECOND ADDITION
BLOCK 3
PLAT #89-7
LOT 10

KAYANN WILLOW ESTATES
SECOND ADDITION
BLOCK 3
PLAT #89-7
LOT 11

KAYANN WILLOW ESTATES
SECOND ADDITION
BLOCK 3
PLAT #89-7
LOT 12



SHEET NO.	TOTAL SHEETS
F6	F29
STATE	YEAR
ALASKA	2024
PROJECT DESIGNATION	
XX-XX-XXXX	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



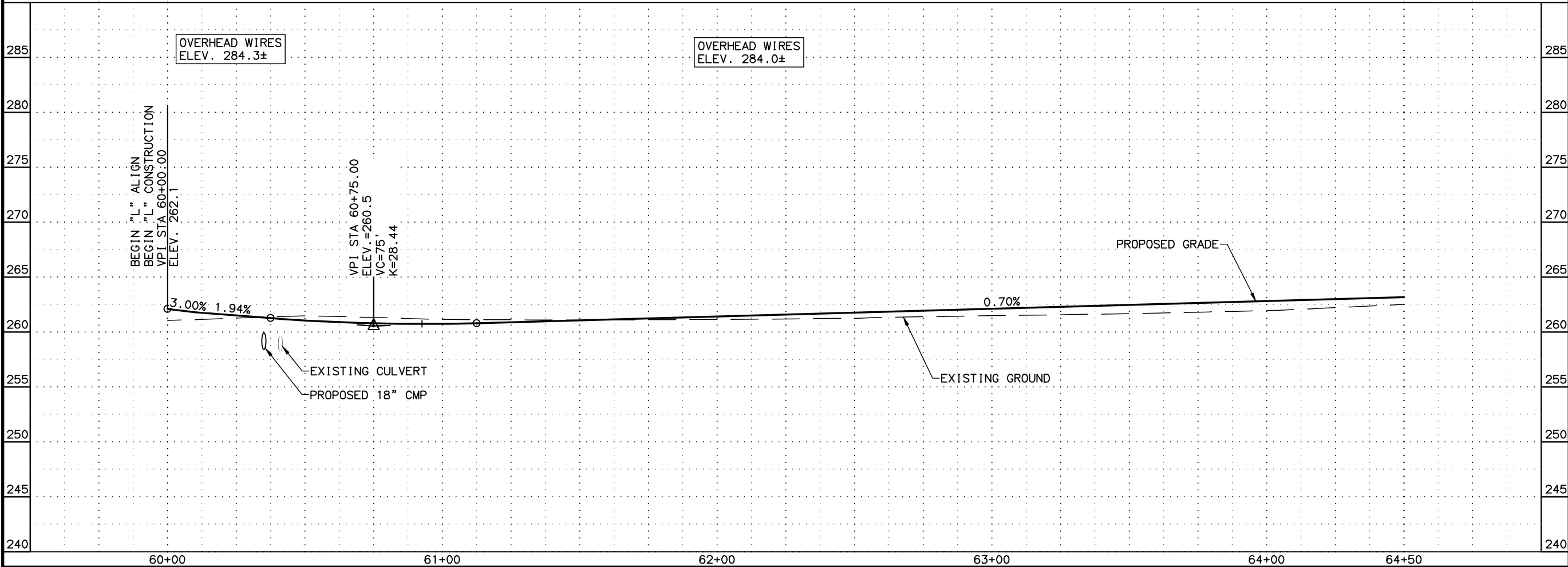
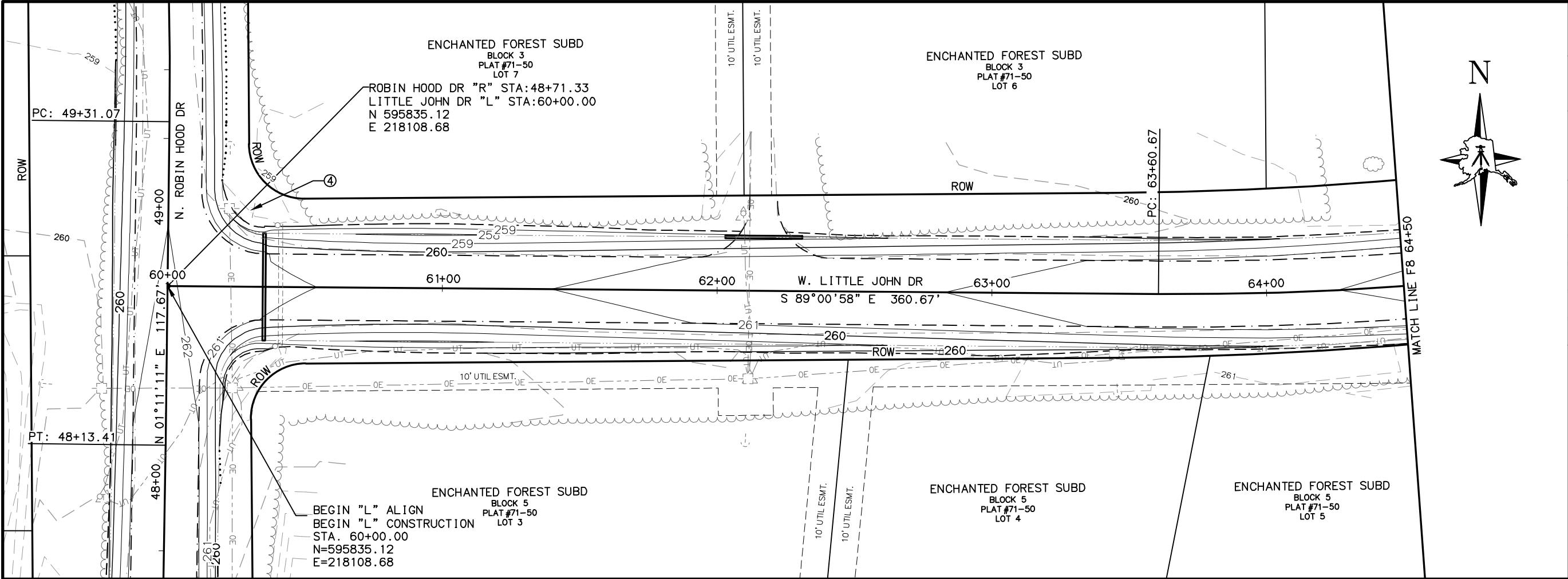
100%
REVIEW
4/23/2024

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WASILLA, ALASKA 99654
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CITY OF HOUSTON
RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON

W. PAY DIRT DRIVE
PLAN AND PROFILE
STA. 34+50 TO EOP

FILE I:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 F1.DWG DATE/TIME 4/23/2024 4:41 PM LAYOUT 1" = 20' DESIGNED AGL CHECKED SP DRAFTED AGL



SHEET NO. F7		TOTAL SHEETS F29	
STATE ALASKA		YEAR 2024	
PROJECT DESIGNATION XX-XX-XXXX			
NO.	REVISION		
DATE			
NO.	REVISION		
DATE			
NO.	REVISION		
DATE			

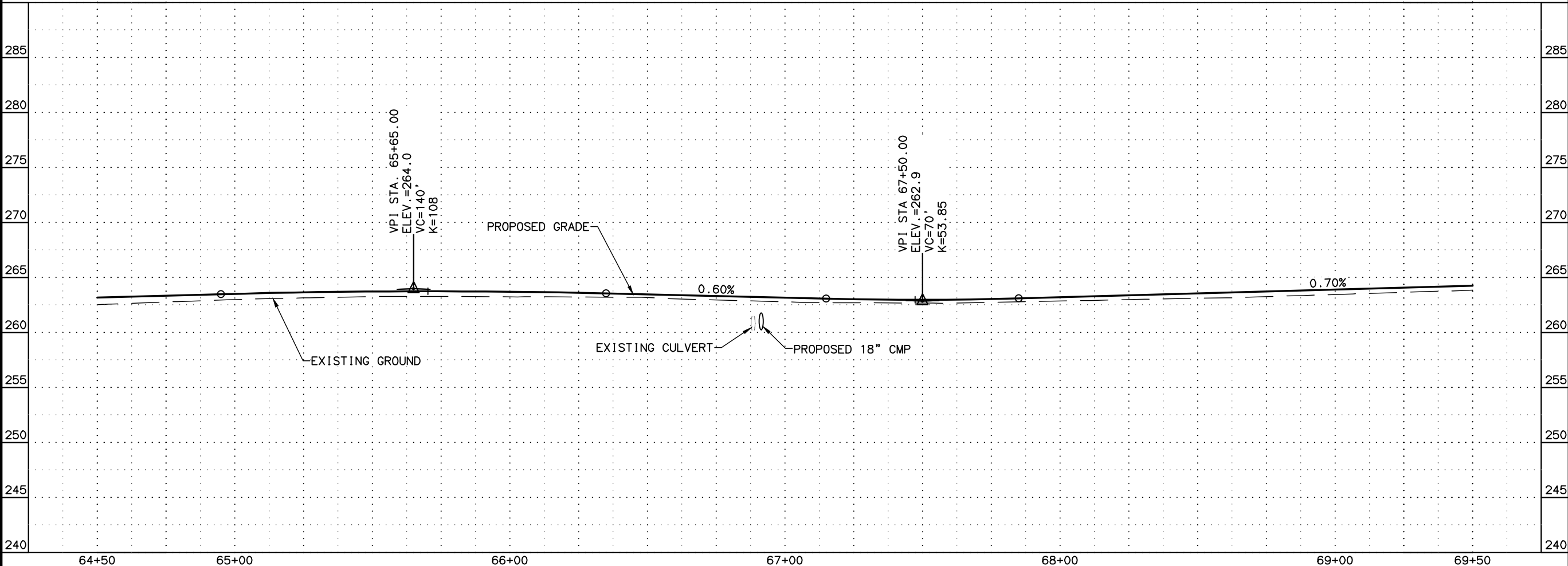
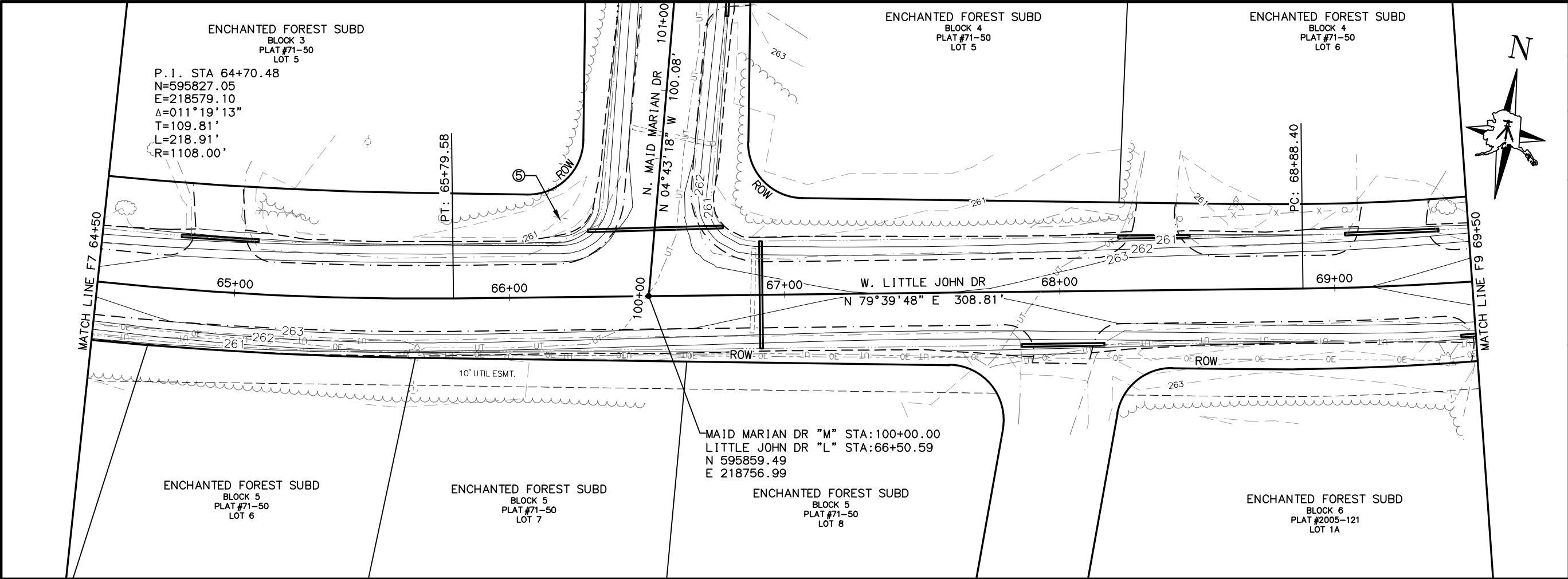
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4/23/2024

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WASILLA, ALASKA 99654
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CITY OF HOUSTON
**RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON**

**W. LITTLE JOHN DRIVE
PLAN AND PROFILE
BOP TO STA. 64+50**

FILE T:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\EN\DWGS\PL-23-037 F1.DWG
DATE/TIME 4/23/2024 4:41 PM LAYOUT 1" = 20' DESIGNED AGL CHECKED SP DRAFTED AGL



SHEET NO.		TOTAL SHEETS	
F8		F29	
STATE		YEAR	
ALASKA		2024	
PROJECT DESIGNATION			
XX-XX-XXXX			
NO.		REVISION	
DATE			
NO.		REVISION	
DATE			
NO.		REVISION	
DATE			

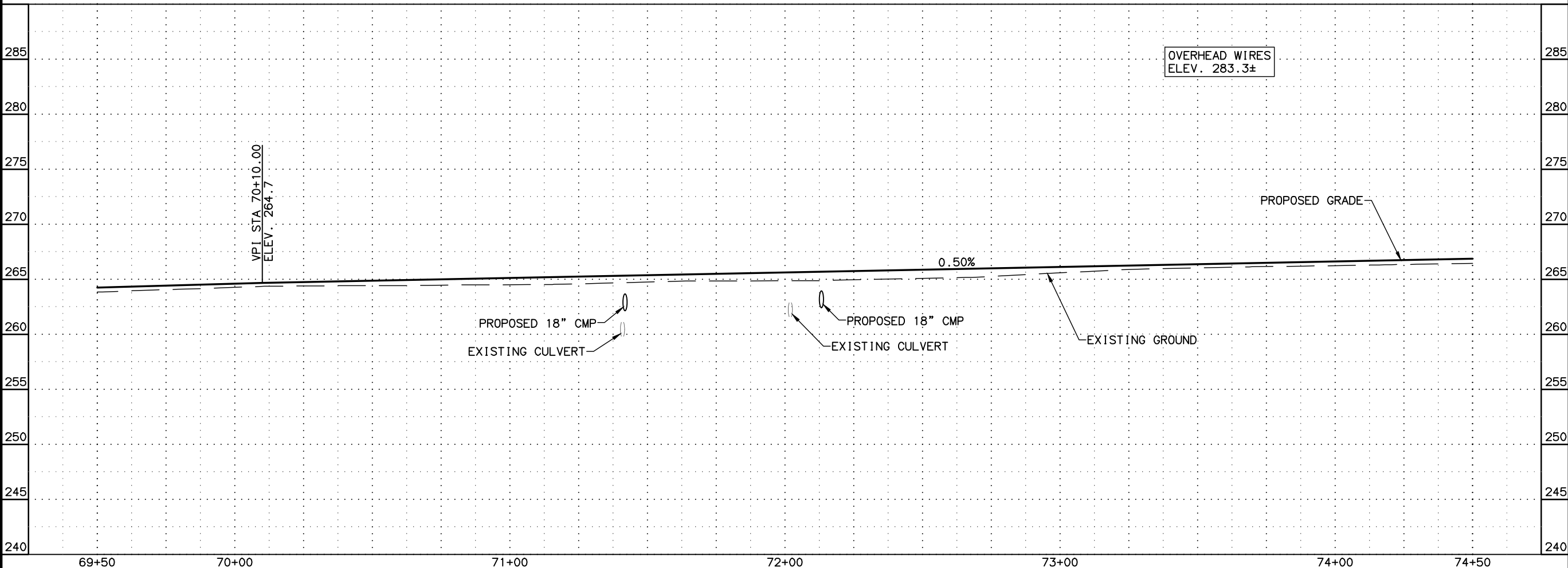
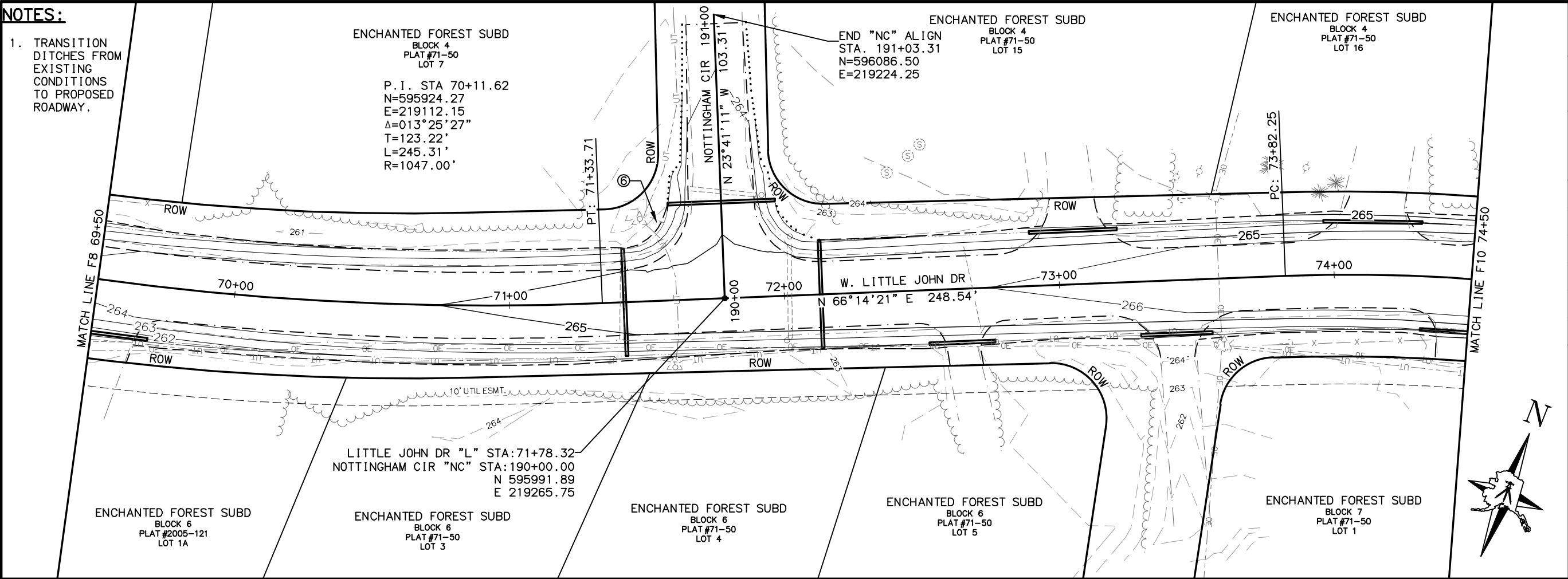
100% REVIEW
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LOUNSBURY & ASSOCIATES, INC.
1175 LEATHERLEAF LOOP, STE D
WASILLA, ALASKA 99654
(907)357-9132
CERT. OF AUTH. NO. AECC391

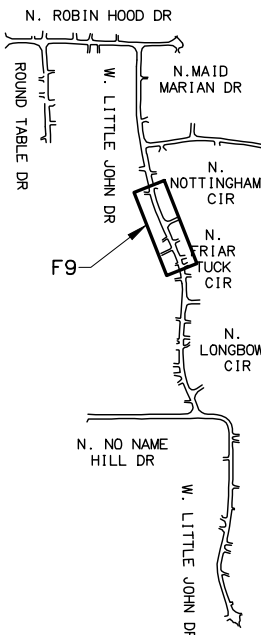
CITY OF HOUSTON
RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON

W. LITTLE JOHN DRIVE
PLAN AND PROFILE
STA. 64+50 TO
STA. 69+50

FILE T:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 F1.DWG DATE/TIME 4/23/2024 4:41 PM LAYOUT 1" = 20' DESIGNED AGL CHECKED SP DRAFTED AGL



SHEET NO.	TOTAL SHEETS
F9	F29
STATE	YEAR
ALASKA	2024
PROJECT DESIGNATION	
XX-XX-XXXX	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



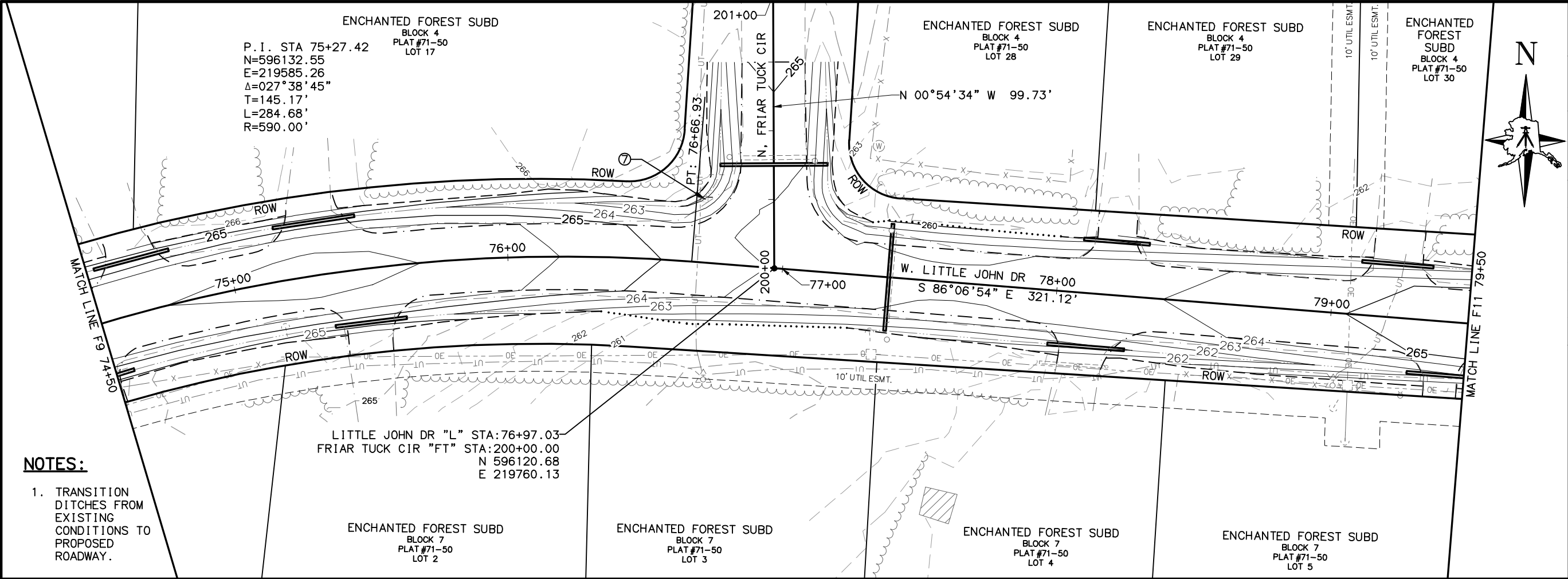
100% REVIEW
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1175 LEATHERLEAF LOOP, STE D
WASILLA, ALASKA 99654
(907)357-9132
CERT. OF AUTH. NO. AECC391

CITY OF HOUSTON
RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON

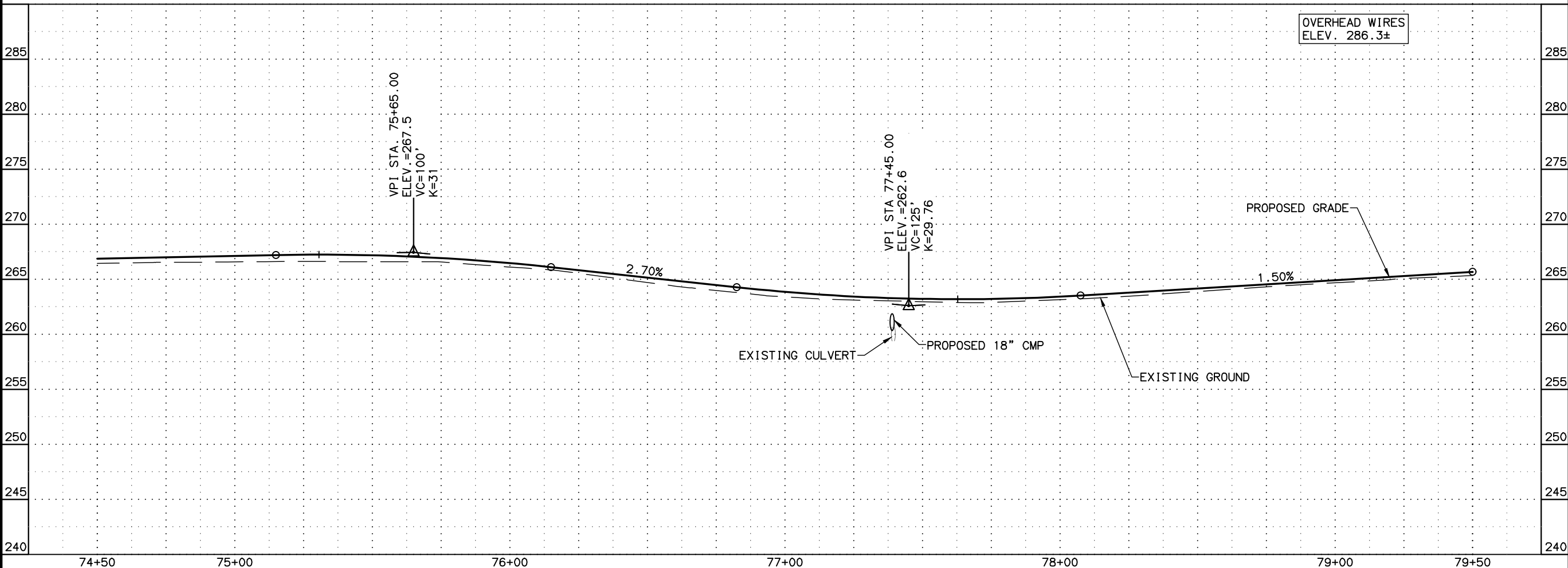
W. LITTLE JOHN DRIVE
PLAN AND PROFILE
STA. 69+50 TO
STA. 74+50

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NOTES:

- 1. TRANSITION DITCHES FROM EXISTING CONDITIONS TO PROPOSED ROADWAY.



SHEET NO.		TOTAL SHEETS	
F10		F29	
STATE		YEAR	
ALASKA		2024	
PROJECT DESIGNATION			
XX-XX-XXXX			
NO.		REVISION	
DATE			
NO.		REVISION	
DATE			
NO.		REVISION	
DATE			

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LOUNSBURY & ASSOCIATES, INC.
1175 LEATHERLEAF LOOP, STE D
WASILLA, ALASKA 99654
(907)357-9132
CERT. OF AUTH. NO. AECC391

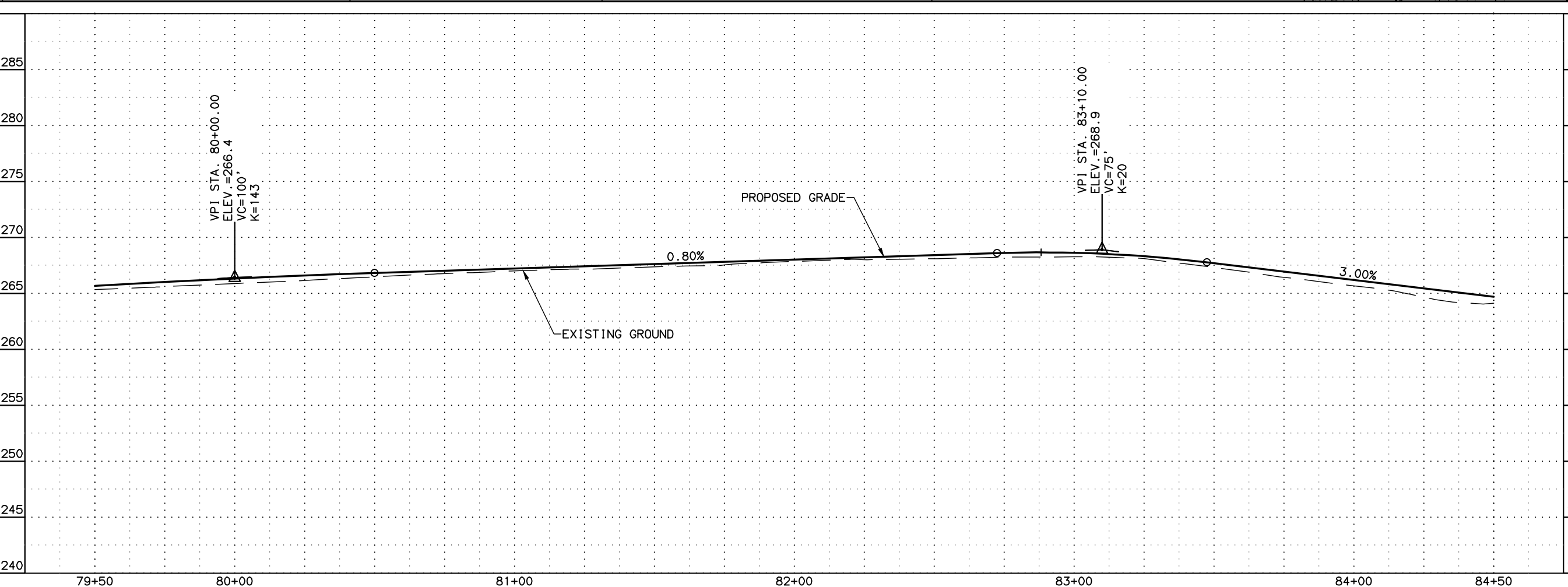
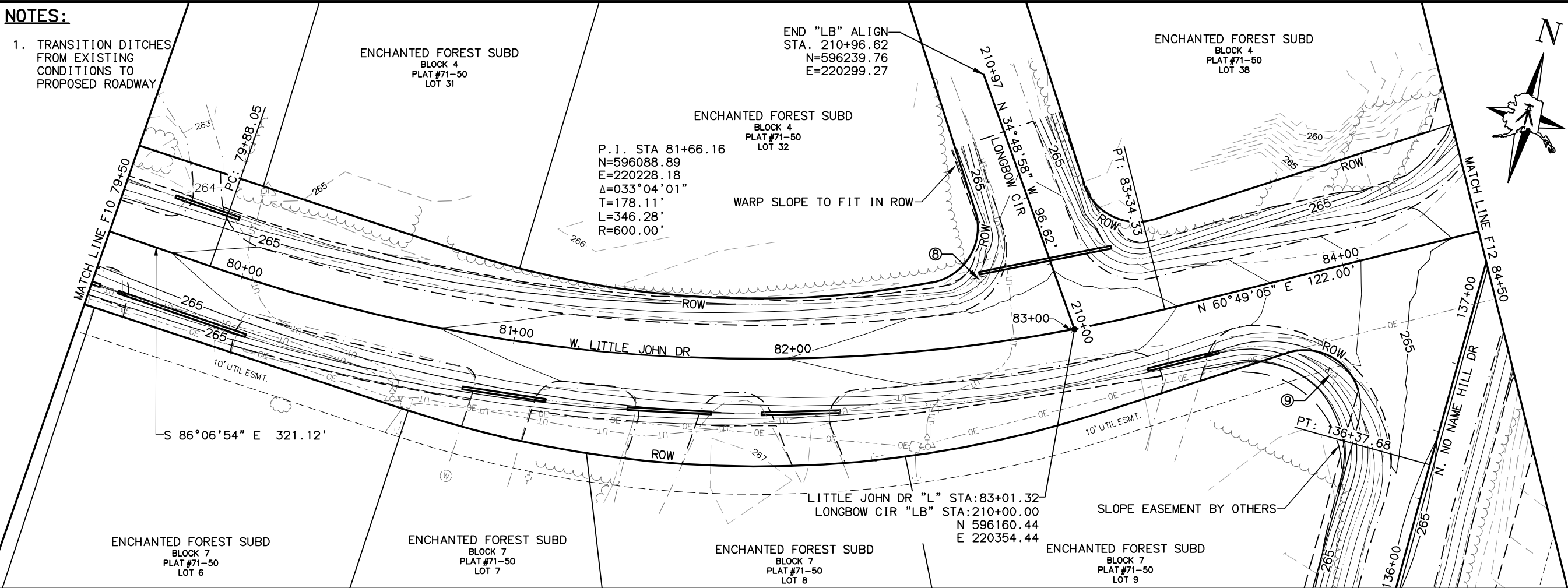
CITY OF HOUSTON
RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON

W. LITTLE JOHN DRIVE
PLAN AND PROFILE
STA. 74+50 TO
STA. 79+50

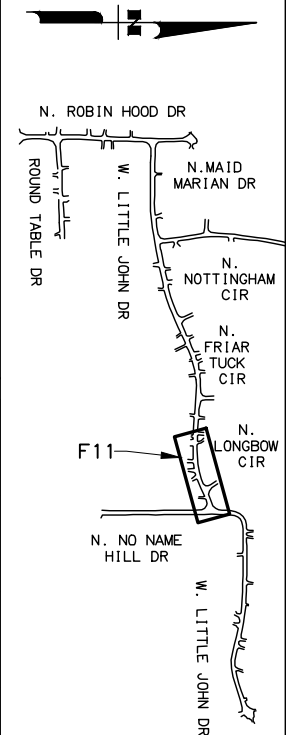
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DATE/TIME 4/23/2024 4:42 PM LAYOUT 1" = 20'
DESIGNED AGL CHECKED SP DRAFTED AGL

NOTES:

1. TRANSITION DITCHES FROM EXISTING CONDITIONS TO PROPOSED ROADWAY



SHEET NO.	TOTAL SHEETS
F11	F29
STATE	YEAR
ALASKA	2024
PROJECT DESIGNATION	
XX-XX-XXXX	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



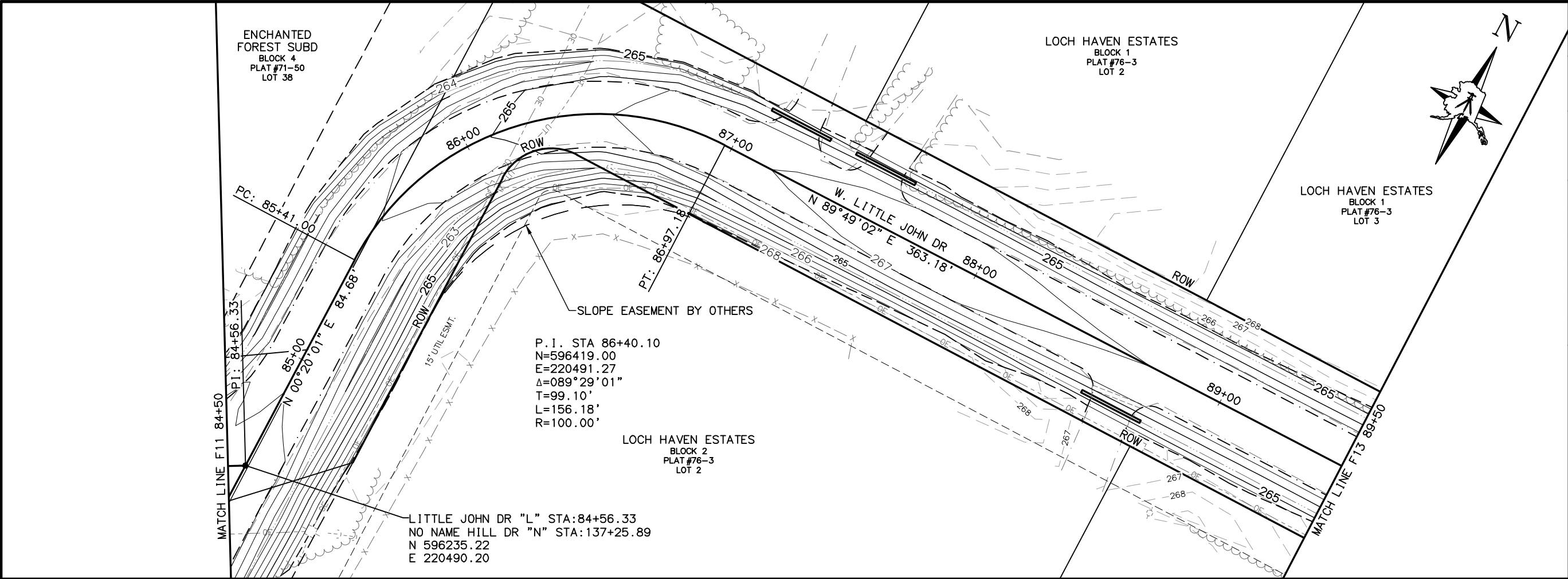
**100%
REVIEW
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LOUNSBURY & ASSOCIATES, INC.
1175 LEATHERLEAF LOOP, STE D
WASILLA, ALASKA 99654
(907)357-9132
CERT. OF AUTH. NO. AECC391

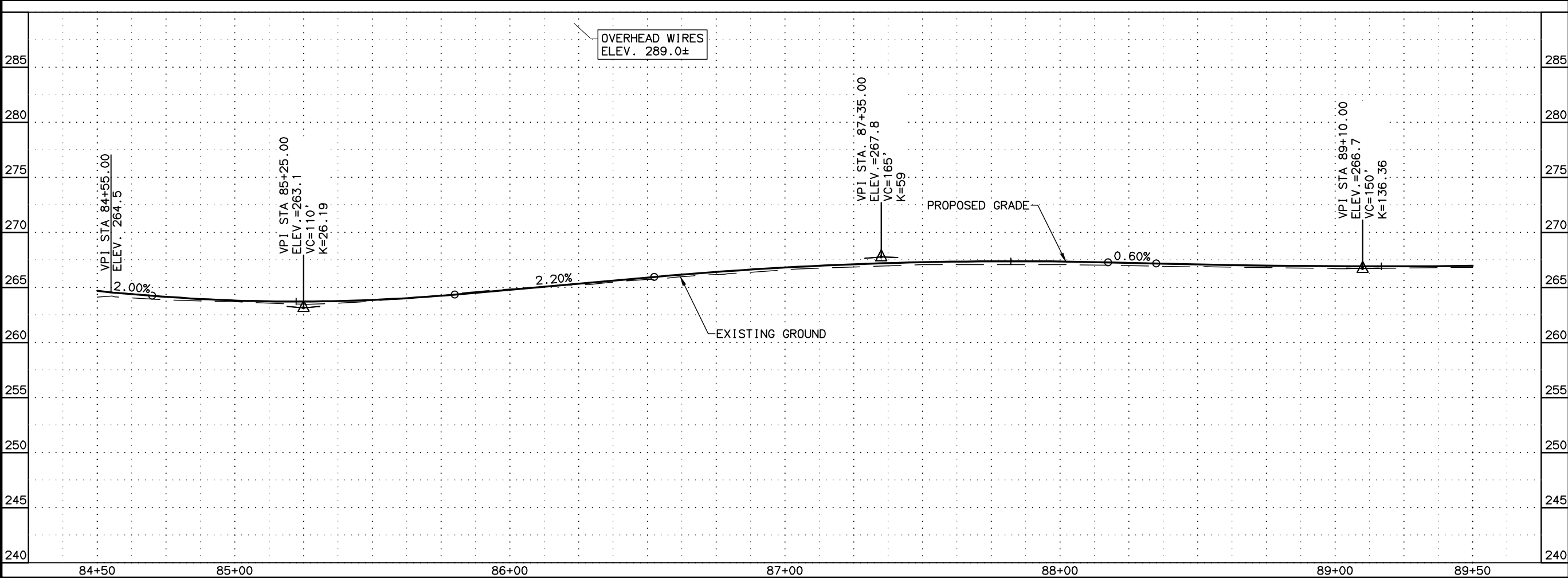
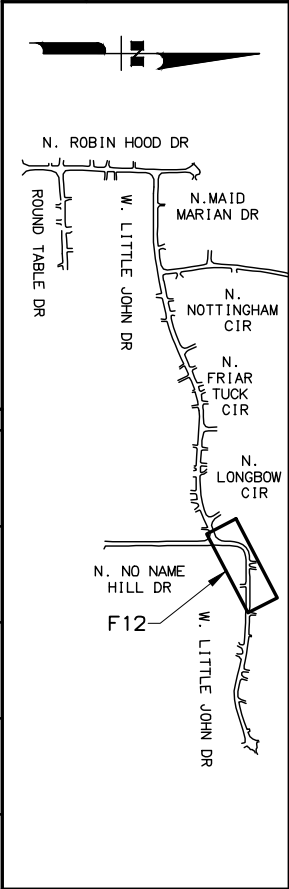
CITY OF HOUSTON
RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON

W. LITTLE JOHN DRIVE
PLAN AND PROFILE
STA. 79+50 TO
STA. 84+50

FILE T:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 F1.DWG
DATE/TIME 4/23/2024 4:42 PM LAYOUT 1" = 20' DESIGNED AGL CHECKED SP DRAFTED AGL



SHEET NO.	TOTAL SHEETS
F12	F29
STATE	YEAR
ALASKA	2024
PROJECT DESIGNATION	
XX-XX-XXXX	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



**100%
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4/23/2024**

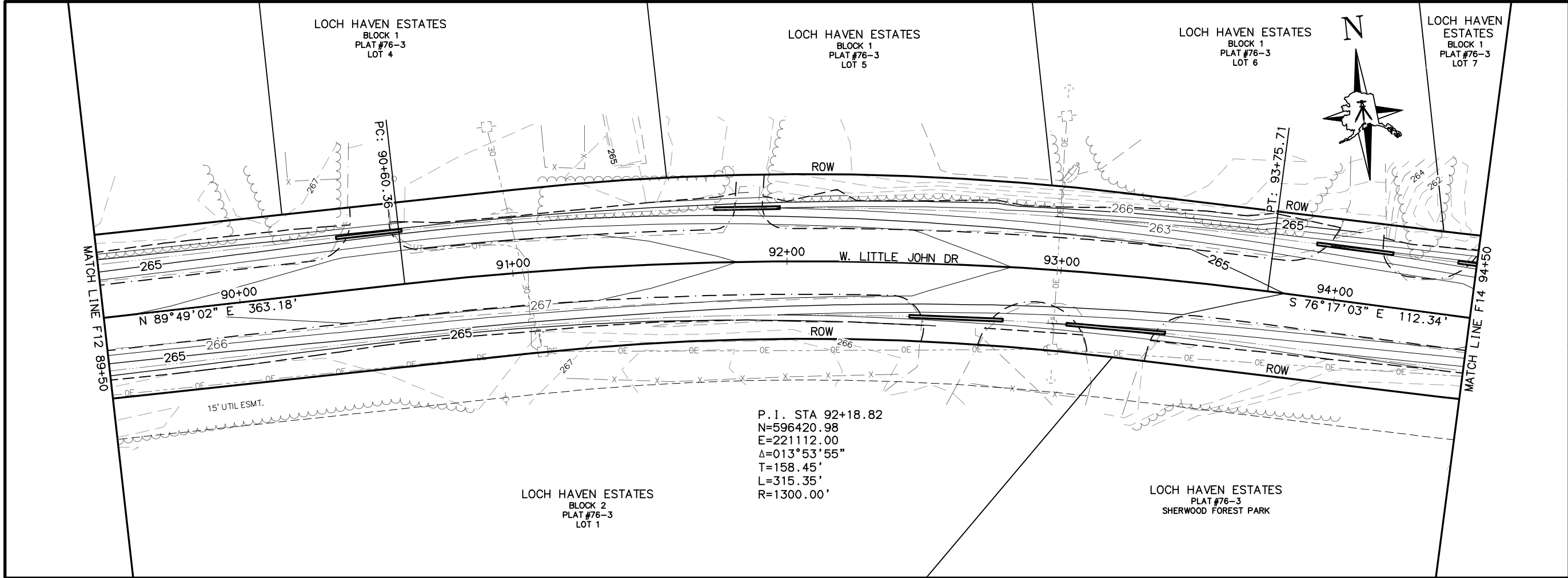
LOUNSBURY & ASSOCIATES, INC.
1175 LEATHERLEAF LOOP, STE D
WASILLA, ALASKA 99654
(907)357-9132
CERT. OF AUTH. NO. AECC391

CITY OF HOUSTON
RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON

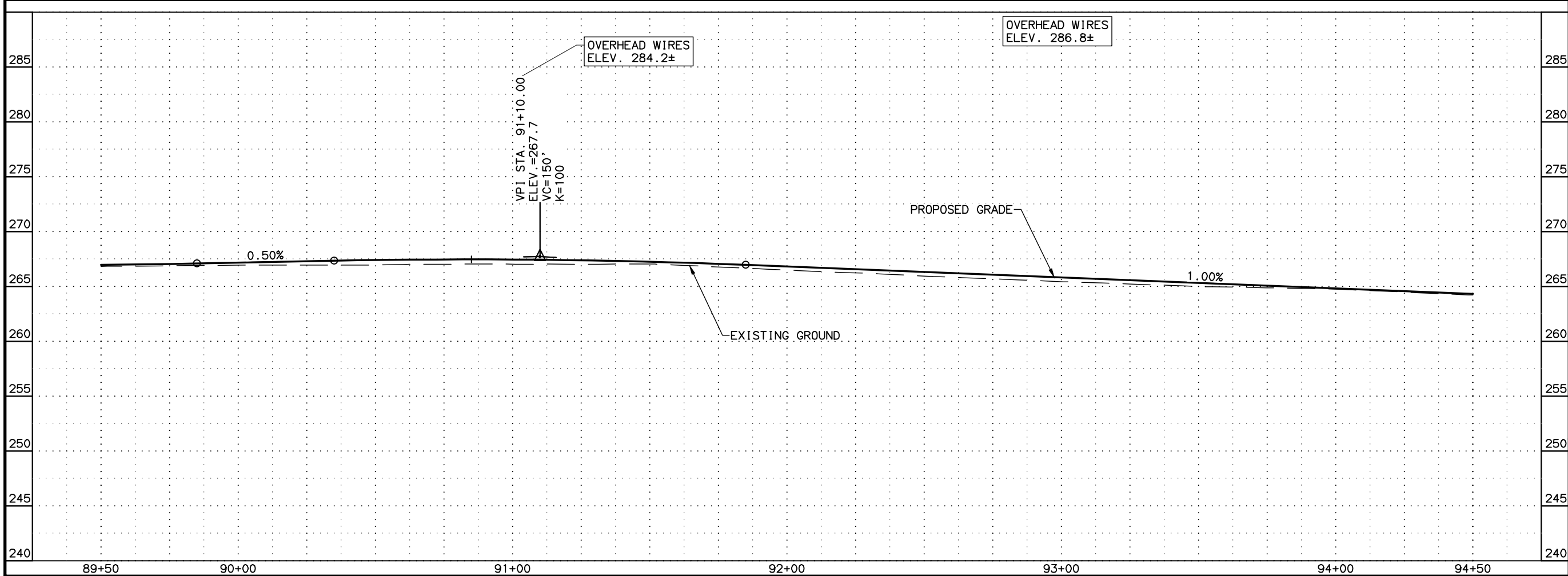
W. LITTLE JOHN DRIVE
PLAN AND PROFILE
STA. 84+50 TO
STA. 89+50

FILE T:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 F1.DWG

DATE/TIME 4/23/2024 4:42 PM LAYOUT 1" = 20' DESIGNED AGL CHECKED SP DRAFTED AGL



P.I. STA 92+18.82
N=596420.98
E=221112.00
Δ=013°53'55"
T=158.45'
L=315.35'
R=1300.00'



SHEET NO.		TOTAL SHEETS	
F13		F29	
STATE		YEAR	
ALASKA		2024	
PROJECT DESIGNATION			
XX-XX-XXXX			
NO.		REVISION	
DATE			
NO.		REVISION	
DATE			
NO.		REVISION	
DATE			

N. ROBIN HOOD DR

ROUND TABLE DR

W. LITTLE JOHN DR

N. MAID MARIAN DR

N. NOTTINGHAM CIR

N. FRIAR TUCK CIR

N. LONGBOW CIR

N. NO NAME HILL DR

F13

W. LITTLE JOHN DR

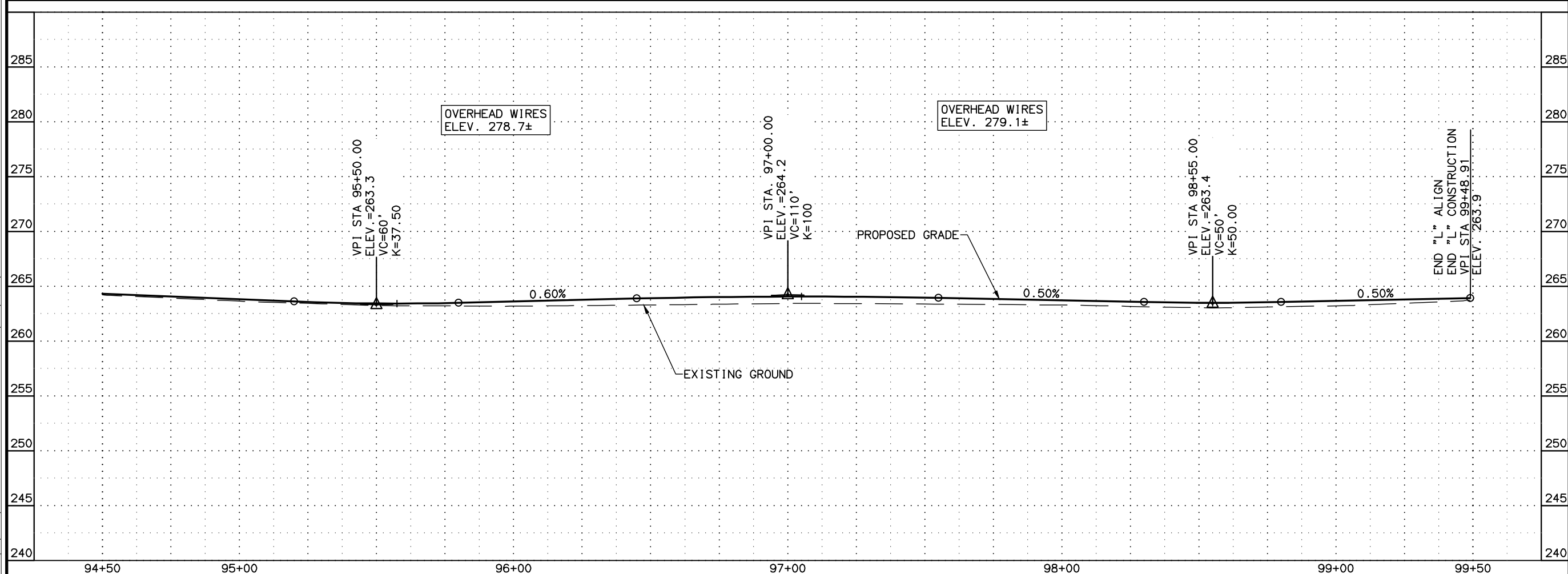
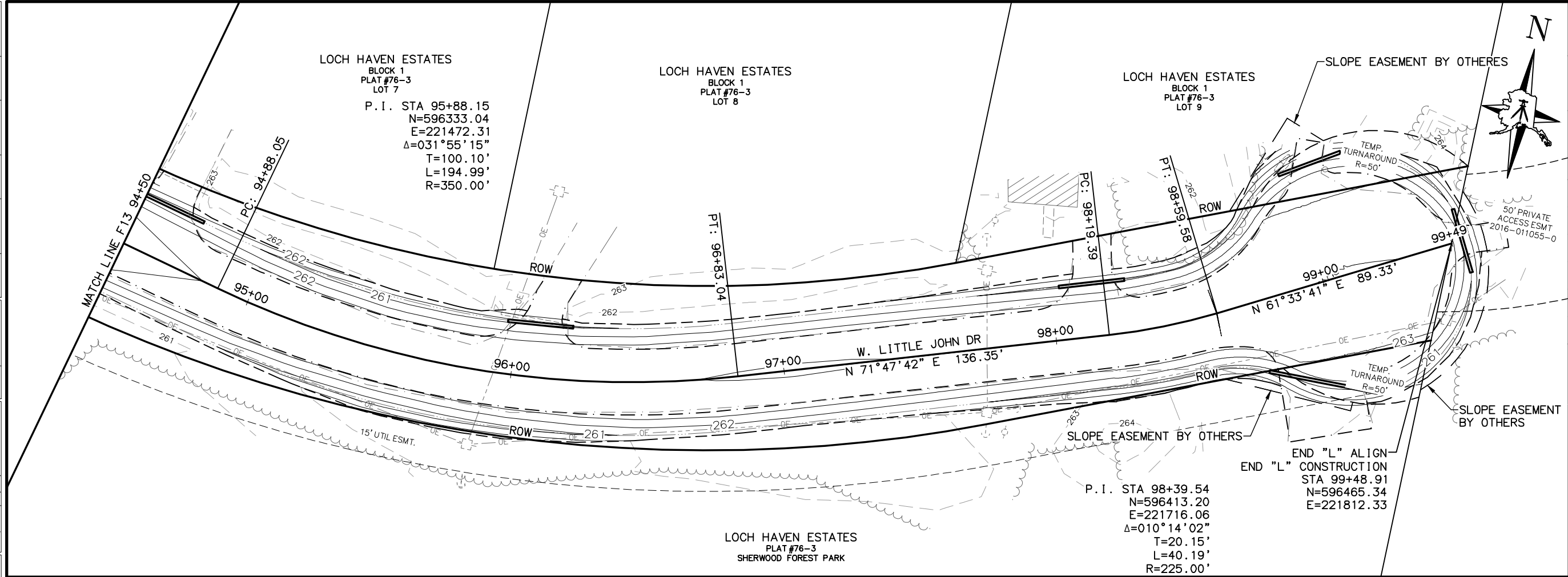
100% REVIEW
4/23/2024

LOUNSBURY & ASSOCIATES, INC.
1175 LEATHERLEAF LOOP, STE D
WASILLA, ALASKA 99654
(907)357-9132
CERT. OF AUTH. NO. AECC391

CITY OF HOUSTON
RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON

W. LITTLE JOHN DRIVE
PLAN AND PROFILE
STA. 89+50 TO
STA. 94+50

FILE T:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 F1.DWG
DATE/TIME 4/23/2024 4:42 PM LAYOUT 1" = 20'
DESIGNED AGL CHECKED SP DRAFTED AGL



SHEET NO.		TOTAL SHEETS	
F14		F29	
STATE		YEAR	
ALASKA		2024	
PROJECT DESIGNATION			
XX-XX-XXXX			
NO.		REVISION	
DATE			
NO.		REVISION	
DATE			
NO.		REVISION	
DATE			

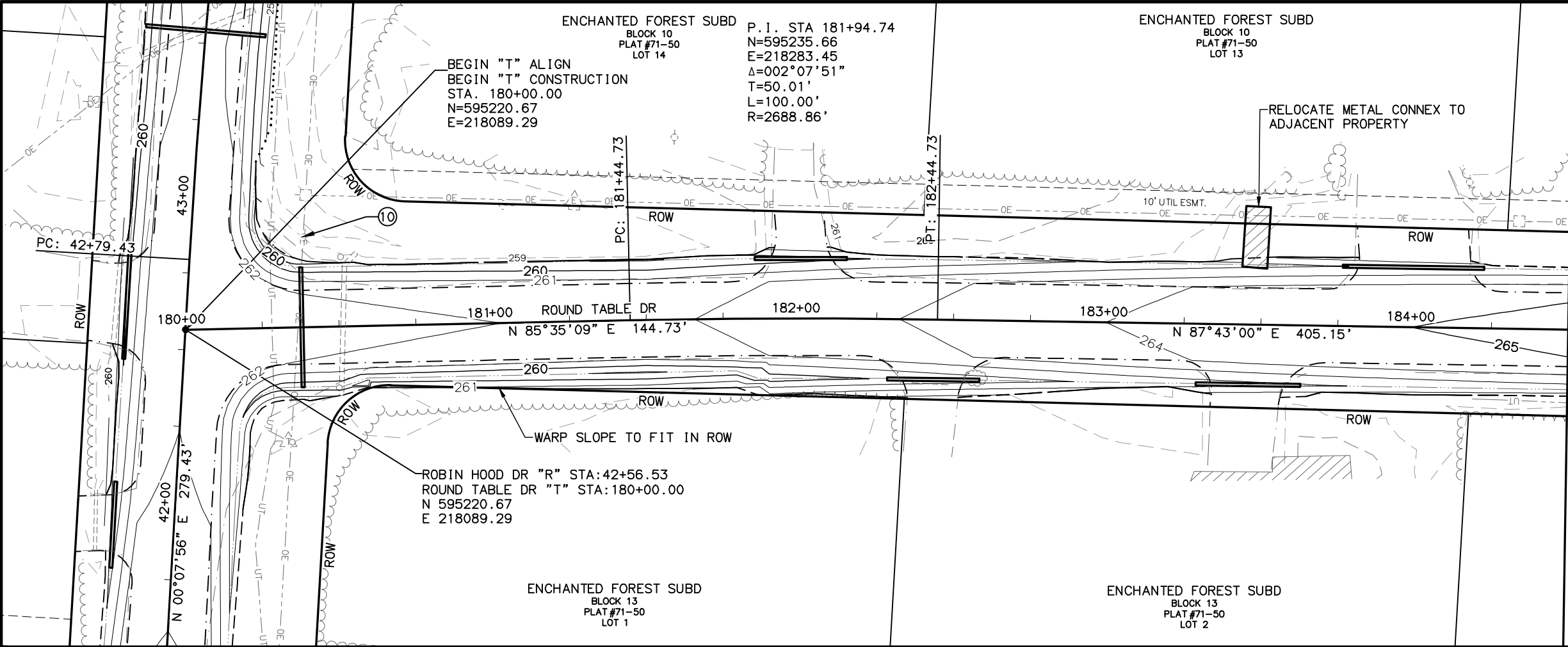
100% REVIEW
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LOUNSBURY & ASSOCIATES, INC.
1175 LEATHERLEAF LOOP, STE D
WASILLA, ALASKA 99654
(907)357-9132
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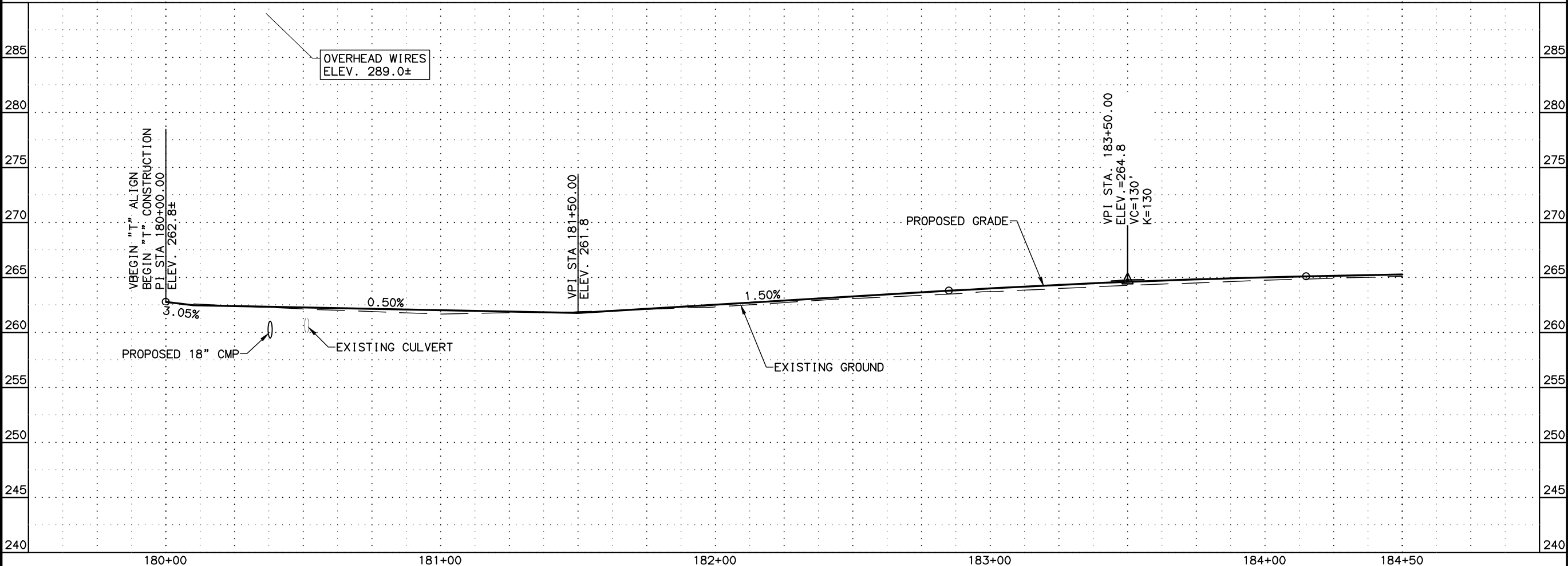
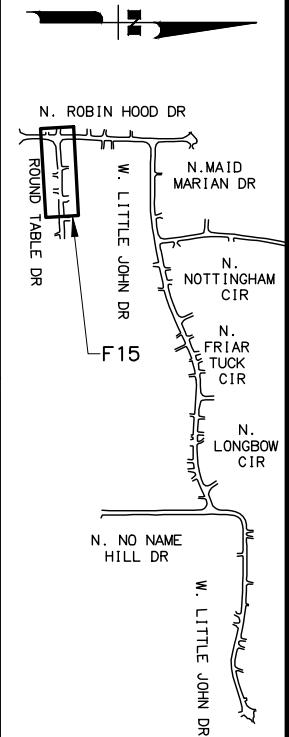
CITY OF HOUSTON
RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON

W. LITTLE JOHN DRIVE
PLAN AND PROFILE
STA. 94+50 TO EOP

FILE T:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 F1.DWG DATE/TIME 4/23/2024 4:42 PM LAYOUT 1" = 20' DESIGNED AGL CHECKED SP DRAFTED AGL



SHEET NO.	TOTAL SHEETS
F15	F29
STATE	YEAR
ALASKA	2024
PROJECT DESIGNATION	
XX-XX-XXXX	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

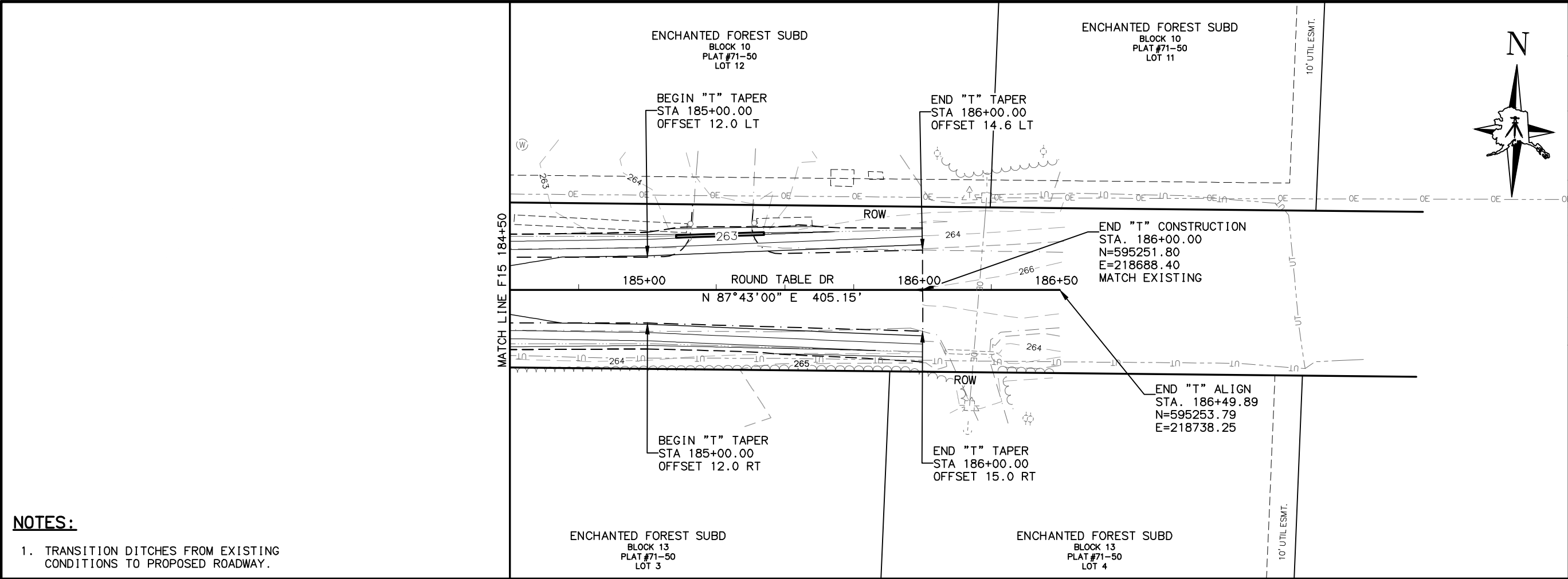


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4/23/2024**

LOUNSBURY & ASSOCIATES, INC.
1175 LEATHERLEAF LOOP, STE D
WASILLA, ALASKA 99654
(907)357-9132
CERT. OF AUTH. NO. AECC391

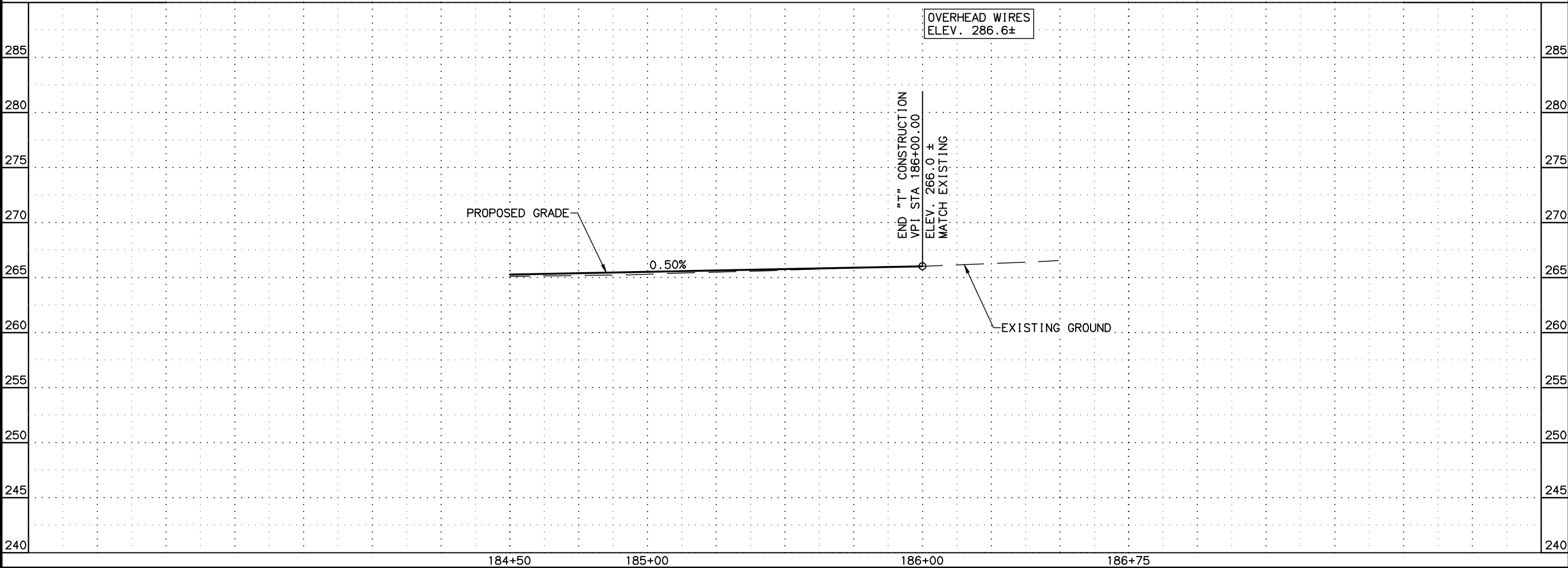
CITY OF HOUSTON
RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON

ROUND TABLE DRIVE
PLAN AND PROFILE
BOP TO STA. 184+50



NOTES:

1. TRANSITION DITCHES FROM EXISTING CONDITIONS TO PROPOSED ROADWAY.



SHEET NO.	F16	TOTAL SHEETS	F29
STATE	ALASKA	YEAR	2024
PROJECT DESIGNATION			
XX-XX-XXXX			
NO.	REVISION		
DATE			
NO.	REVISION		
DATE			
NO.	REVISION		
DATE			

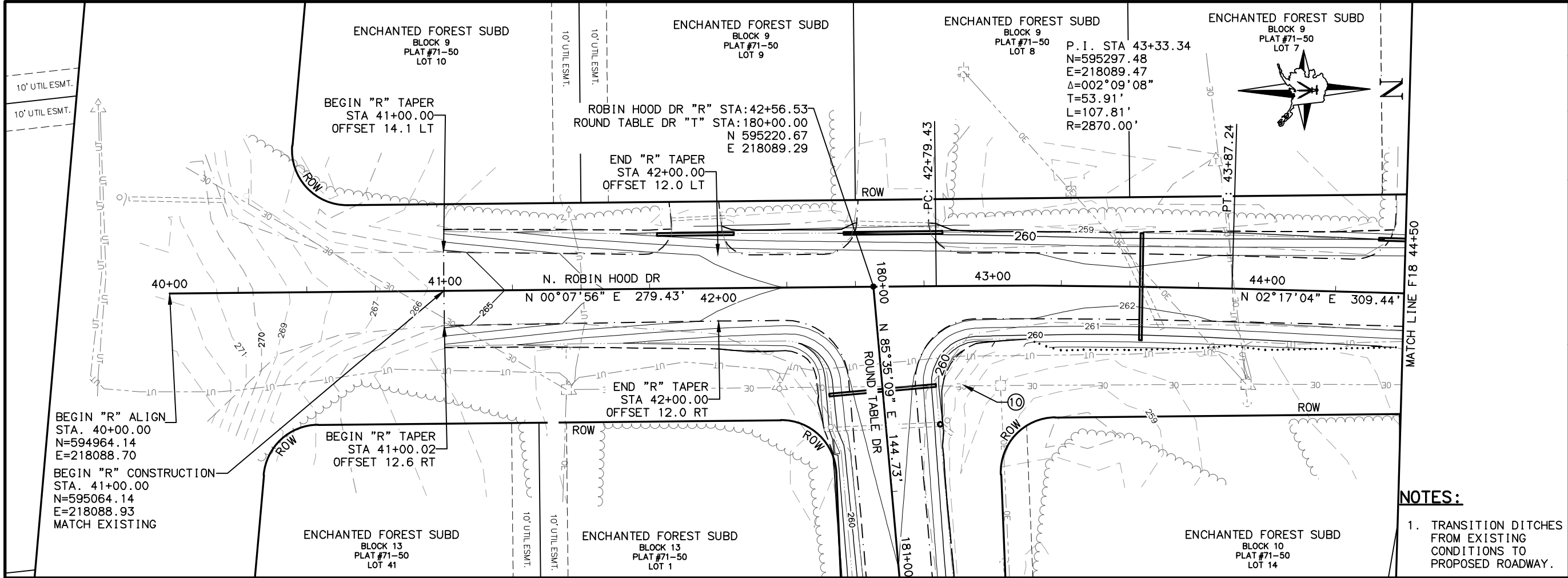
100% REVIEW
4/23/2024

LOUNSBURY & ASSOCIATES, INC.
1175 LEATHERLEAF LOOP, STE D
WASILLA, ALASKA 99654
(907)357-9132
CERT. OF AUTH. NO. AECC391

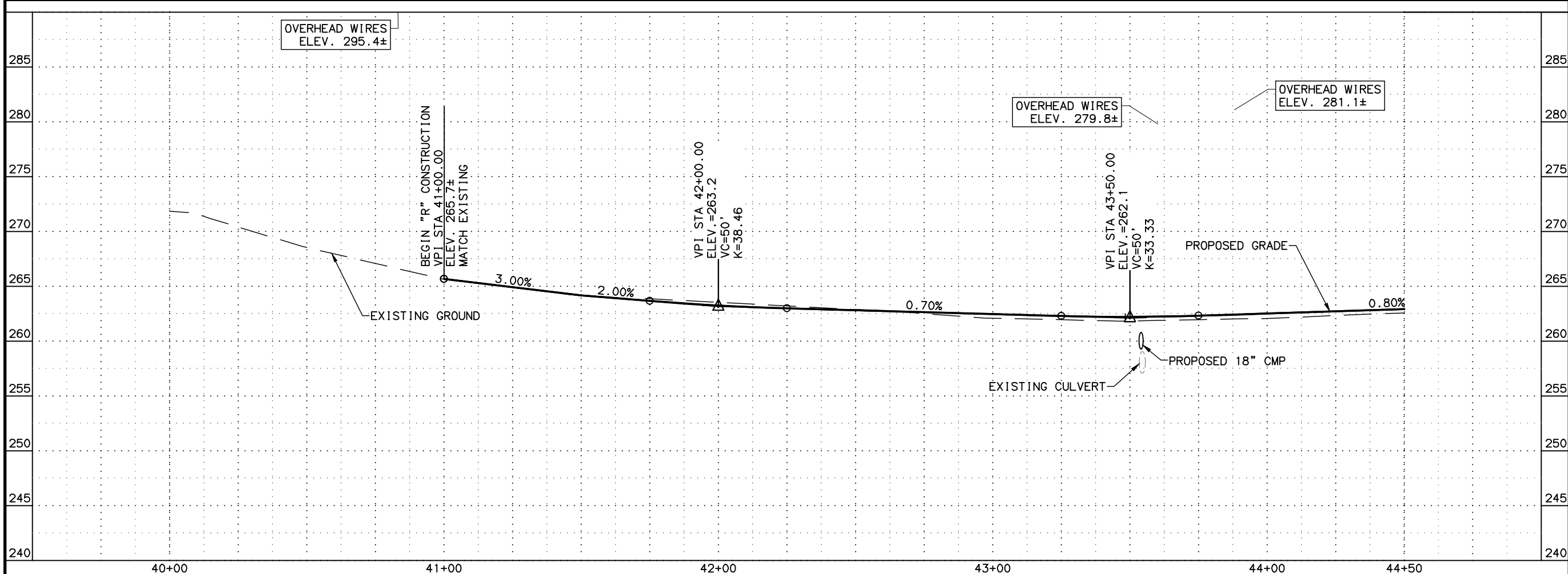
CITY OF HOUSTON
RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON

ROUND TABLE DRIVE
PLAN AND PROFILE
STA. 184+50 TO EOP

FILE T:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 F2.DWG DATE/TIME 4/23/2024 4:43 PM LAYOUT 1" = 20' DESIGNED AGL CHECKED SP DRAFTED AGL



NOTES:
1. TRANSITION DITCHES FROM EXISTING CONDITIONS TO PROPOSED ROADWAY.



SHEET NO.	F17	TOTAL SHEETS	F29
STATE	ALASKA	YEAR	2024
PROJECT DESIGNATION XX-XX-XXXX			
NO.	REVISION		
DATE			
NO.	REVISION		
DATE			
NO.	REVISION		
DATE			

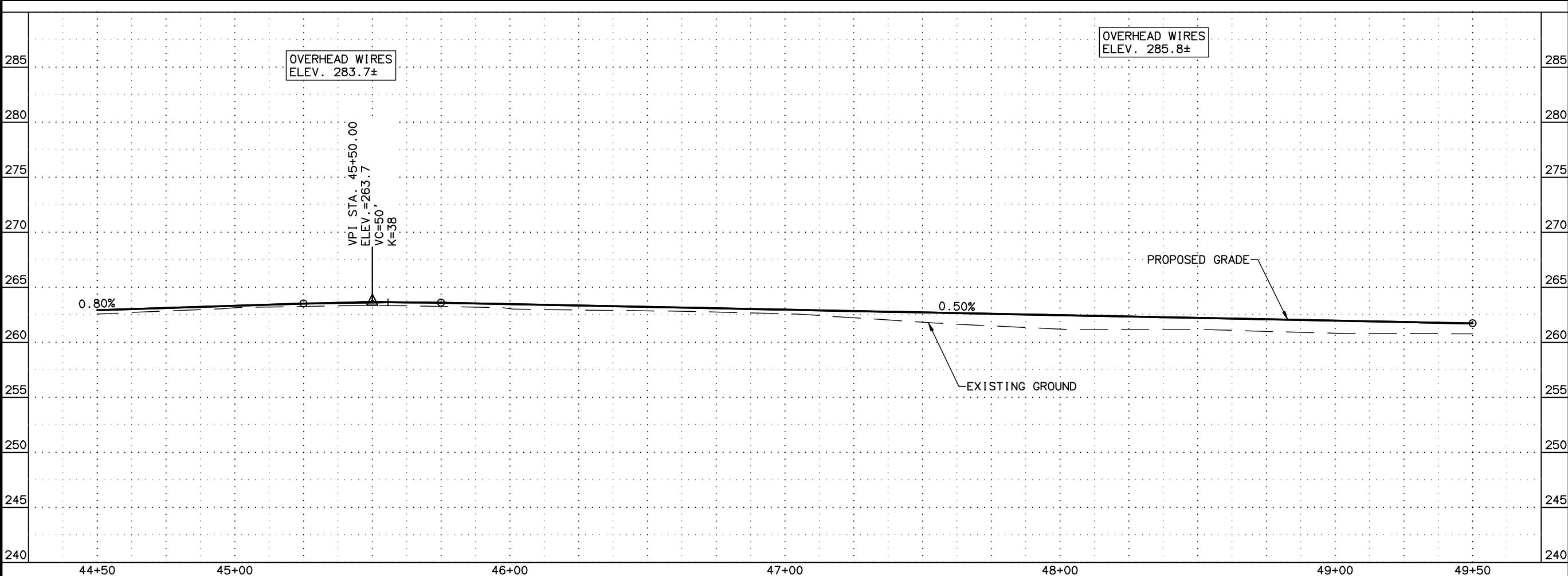
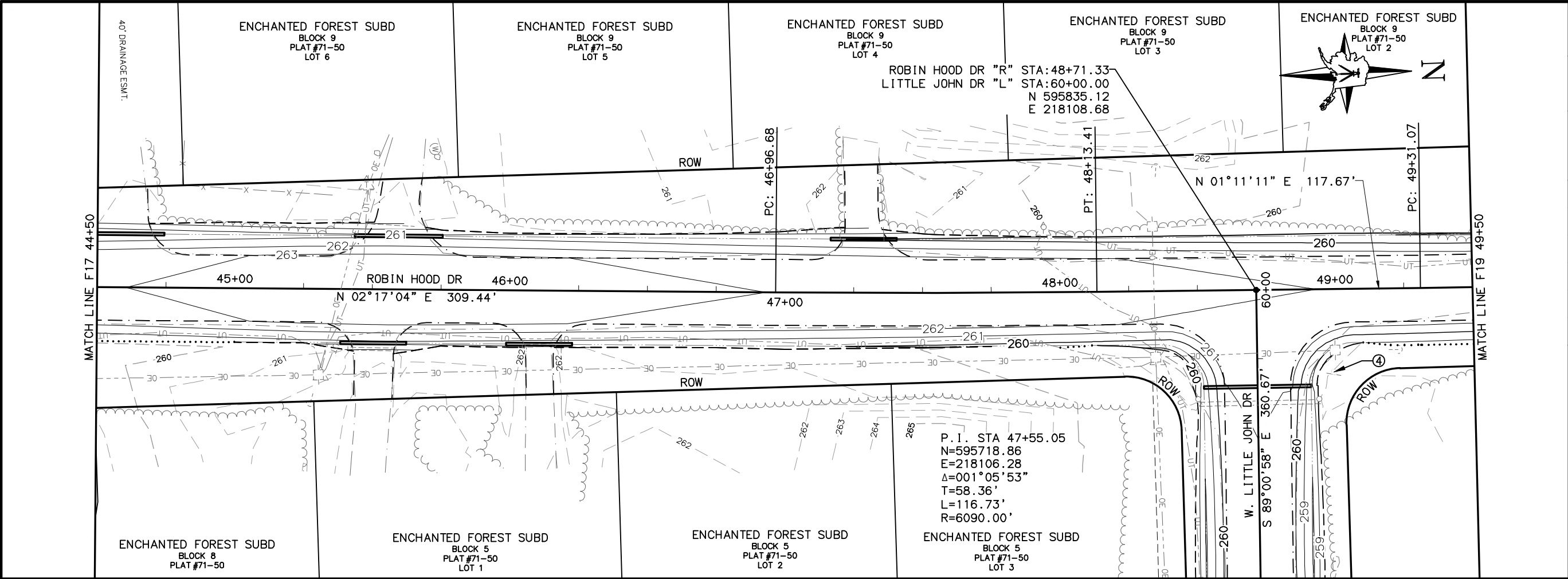
100% REVIEW
4/23/2024

LOUNSBURY & ASSOCIATES, INC.
1175 LEATHERLEAF LOOP, STE D
WASILLA, ALASKA 99654
(907)357-9132
CERT. OF AUTH. NO. AECC391

CITY OF HOUSTON
**RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON**

N. ROBIN HOOD DRIVE
PLAN AND PROFILE
BOP TO STA. 44+50

FILE T:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\EN\DWGS\PL-23-037 F2.DWG DATE/TIME 4/23/2024 4:43 PM LAYOUT 1" = 20' DESIGNED AGL CHECKED SP DRAFTED AGL



SHEET NO.	TOTAL SHEETS
F18	F29
STATE	YEAR
ALASKA	2024
PROJECT DESIGNATION	
XX-XX-XXXX	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

100% REVIEW
4/23/2024

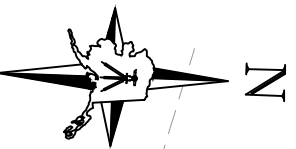
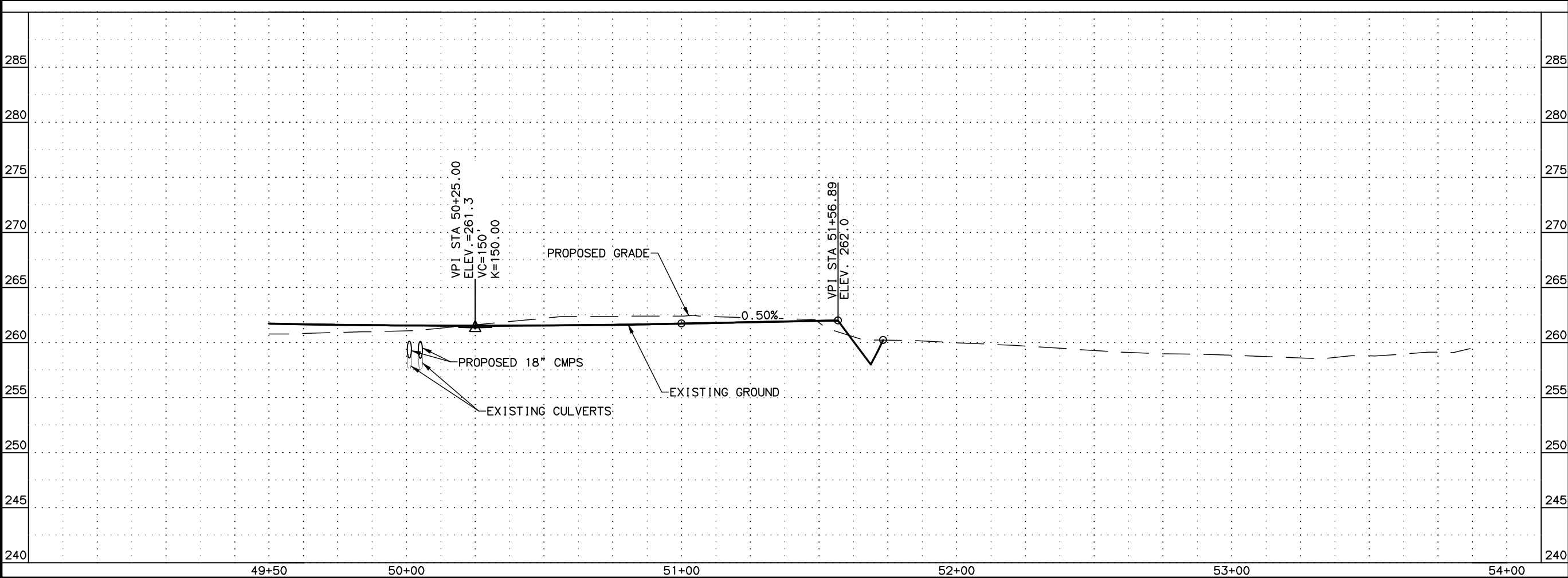
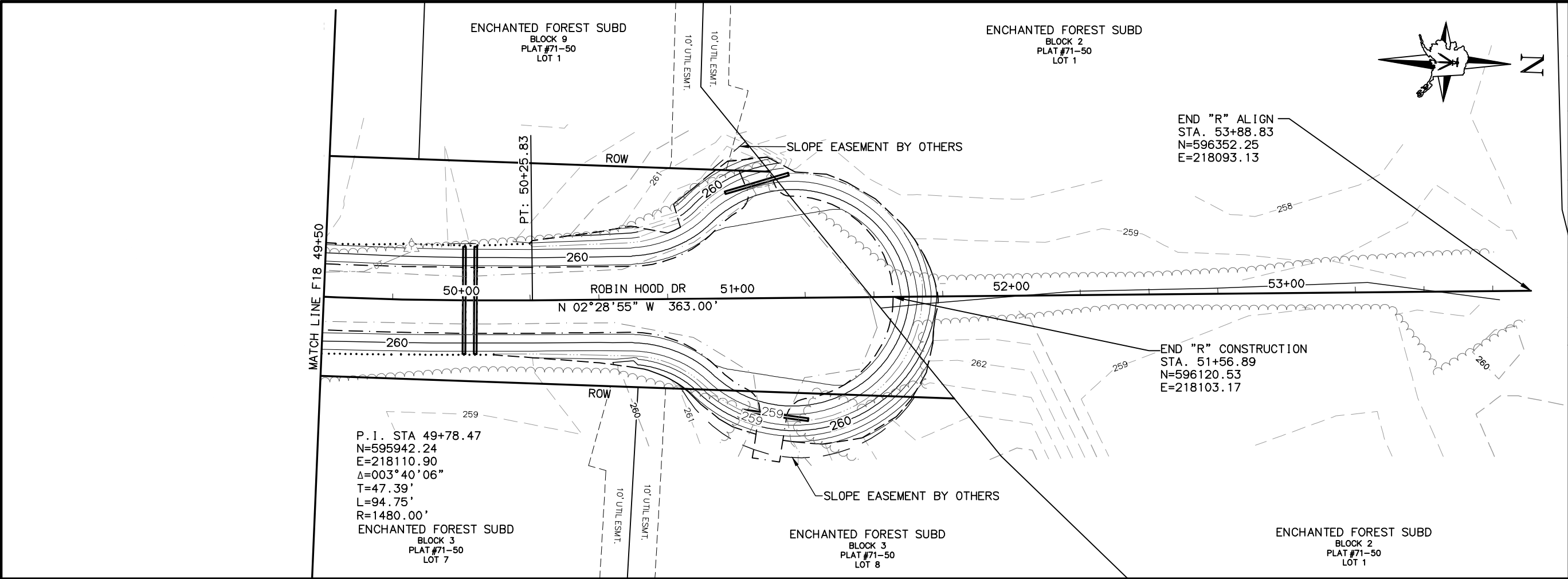
LOUNSBURY & ASSOCIATES, INC.
1175 LEATHERLEAF LOOP, STE D
WASILLA, ALASKA 99654
(907)357-9132
CERT. OF AUTH. NO. AECC391

CITY OF HOUSTON
**RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON**

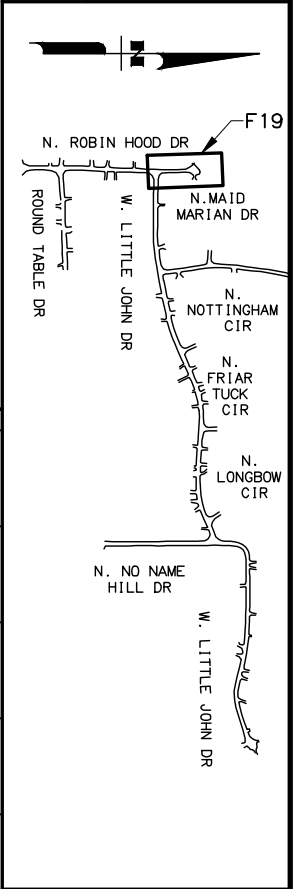
**N. ROBIN HOOD DRIVE
PLAN AND PROFILE
STA. 44+50 TO
STA. 49+50**

FILE T:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 F2.DWG

DATE/TIME 4/23/2024 4:43 PM LAYOUT 1" = 20' DESIGNED AGL CHECKED SP DRAFTED AGL



SHEET NO.		TOTAL SHEETS
F19		F29
STATE		YEAR
ALASKA		2024
PROJECT DESIGNATION		
XX-XX-XXXX		
NO.	REVISION	
DATE		
NO.	REVISION	
DATE		
NO.	REVISION	
DATE		



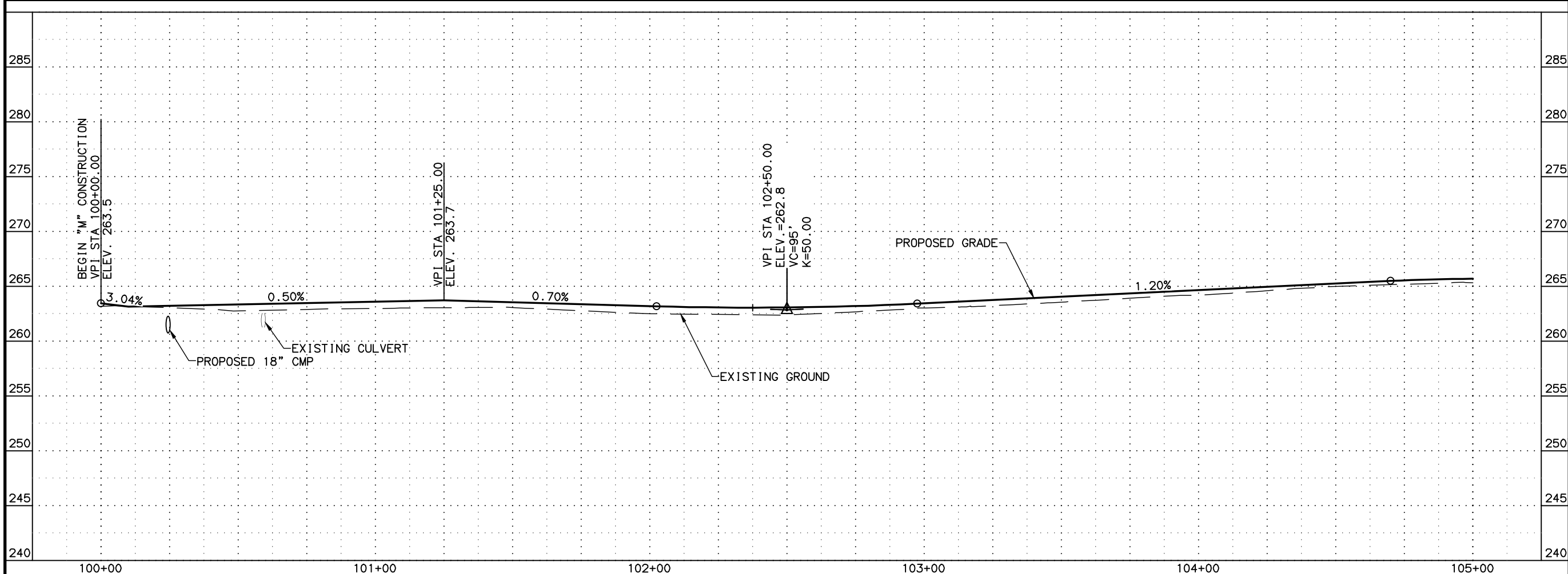
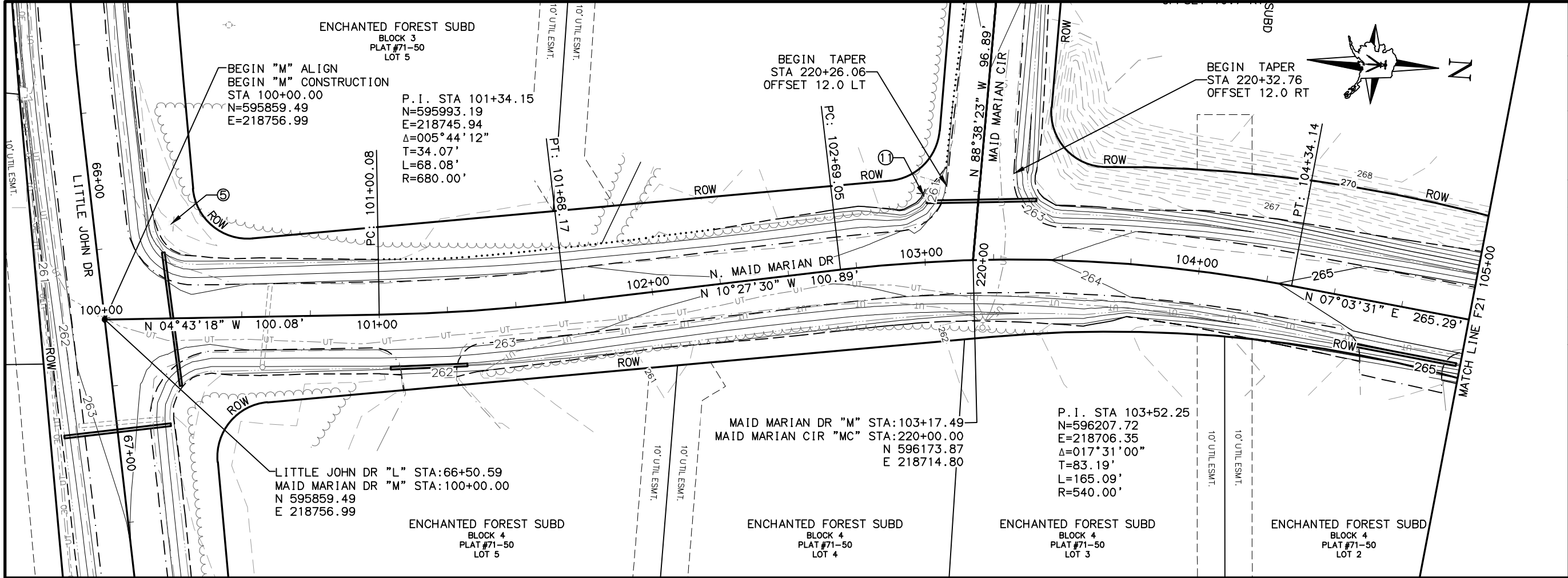
100%
REVIEW
4/23/2024

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1175 LEATHERLEAF LOOP, STE D
WASILLA, ALASKA 99654
(907)357-9132
CERT. OF AUTH. NO. AECC391

CITY OF HOUSTON
RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON

N. ROBIN HOOD DRIVE
PLAN AND PROFILE
STA. 49+50 TO EOP

FILE T:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 F2.DWG DATE/TIME 4/23/2024 4:43 PM LAYOUT 1" = 20' DESIGNED AGL CHECKED SP DRAFTED AGL



SHEET NO.	F20	TOTAL SHEETS	F29
STATE	ALASKA	YEAR	2024
PROJECT DESIGNATION			
XX-XX-XXXX			
NO.	REVISION		
DATE			
NO.	REVISION		
DATE			
NO.	REVISION		
DATE			

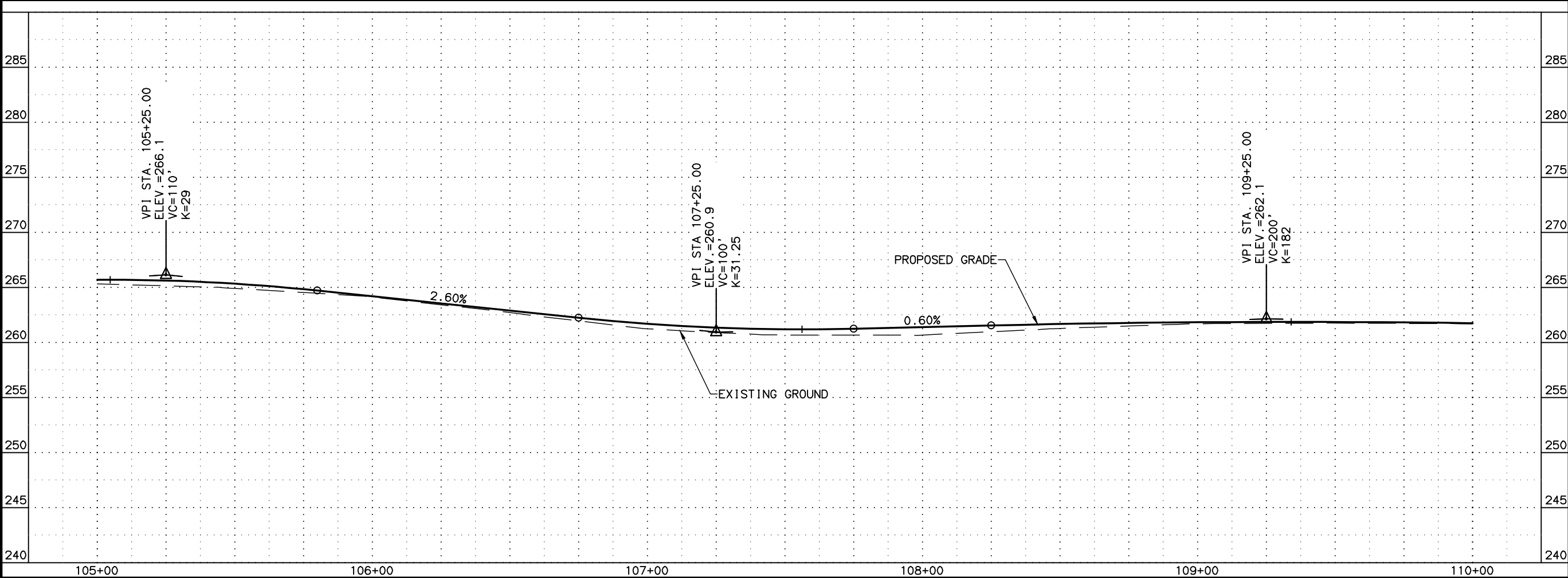
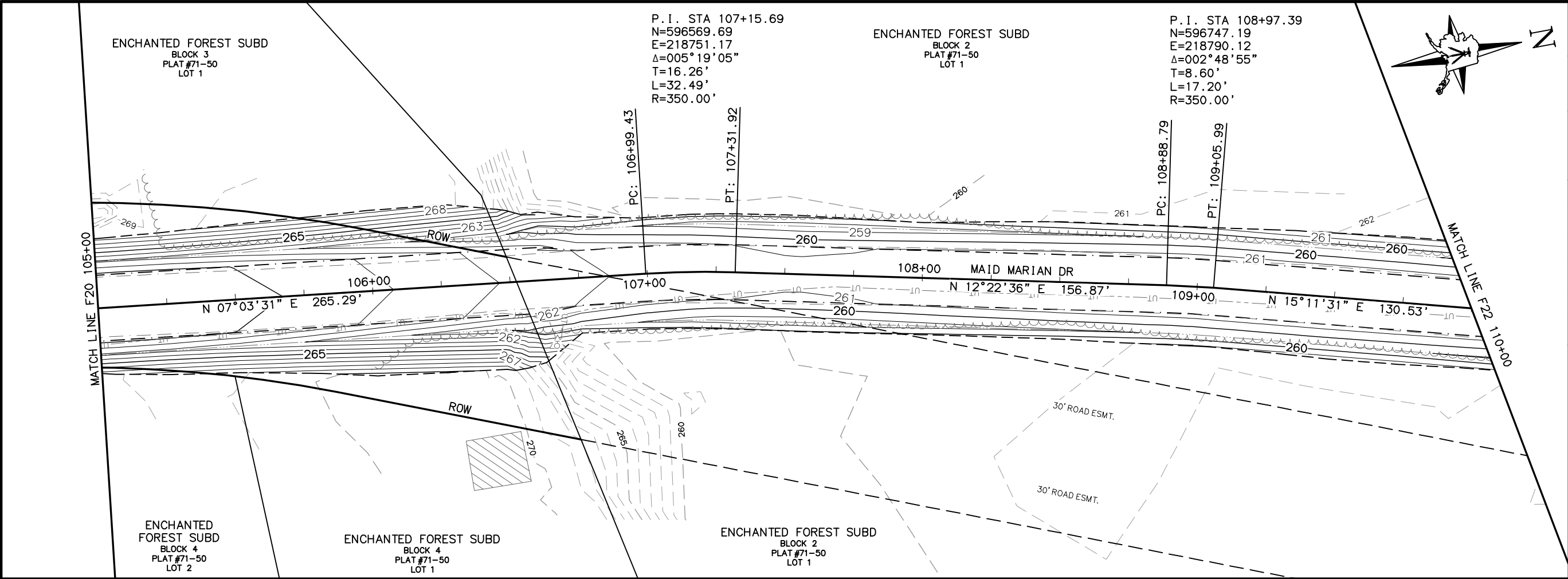
100% REVIEW
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1175 LEATHERLEAF LOOP, STE D
WASILLA, ALASKA 99654
(907)357-9132
CERT. OF AUTH. NO. AECC391

CITY OF HOUSTON
RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON

N. MAID MARIAN DRIVE
PLAN AND PROFILE
BOP TO STA. 105+00

FILE I:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 F2.DWG DATE/TIME 4/23/2024 4:43 PM LAYOUT 1" = 20' DESIGNED AGL CHECKED SP DRAFTED AGL



SHEET NO.	TOTAL SHEETS
F21	F29
STATE	YEAR
ALASKA	2024
PROJECT DESIGNATION	
XX-XX-XXXX	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

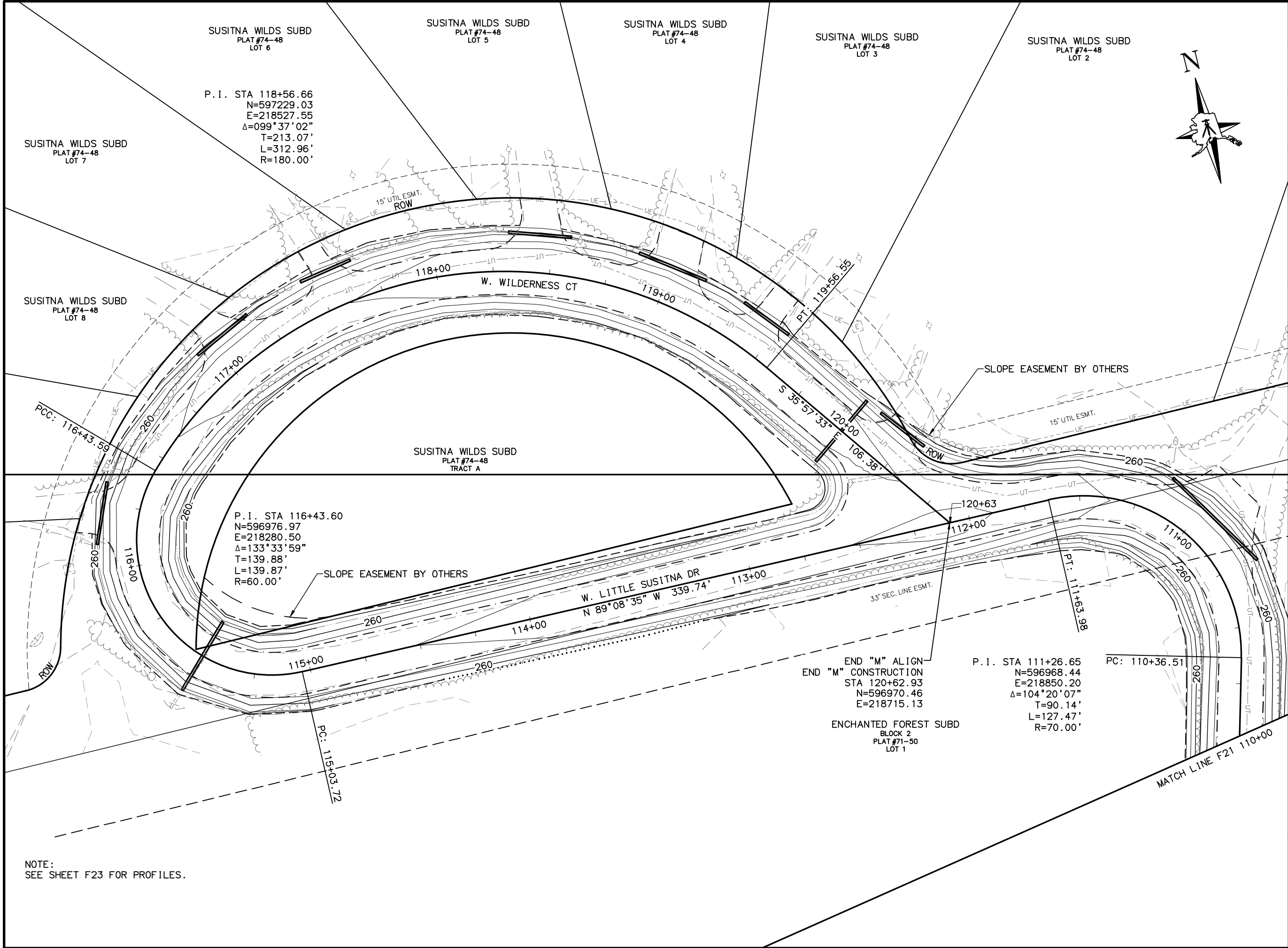
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1175 LEATHERLEAF LOOP, STE D
WASILLA, ALASKA 99654
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CITY OF HOUSTON
RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON

N. MAID MARIAN DRIVE
PLAN AND PROFILE
STA. 105+00 TO
STA. 110+00

FILE T:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 F2.DWG
DATE/TIME 4/23/2024 4:43 PM LAYOUT 1" = 20'
DESIGNED AGL CHECKED SP DRAFTED AGL



SHEET NO.		TOTAL SHEETS	
F22		F29	
STATE		YEAR	
ALASKA		2024	
PROJECT DESIGNATION			
XX-XX-XXXX			
NO.	REVISION		
DATE			
NO.	REVISION		
DATE			
NO.	REVISION		
DATE			

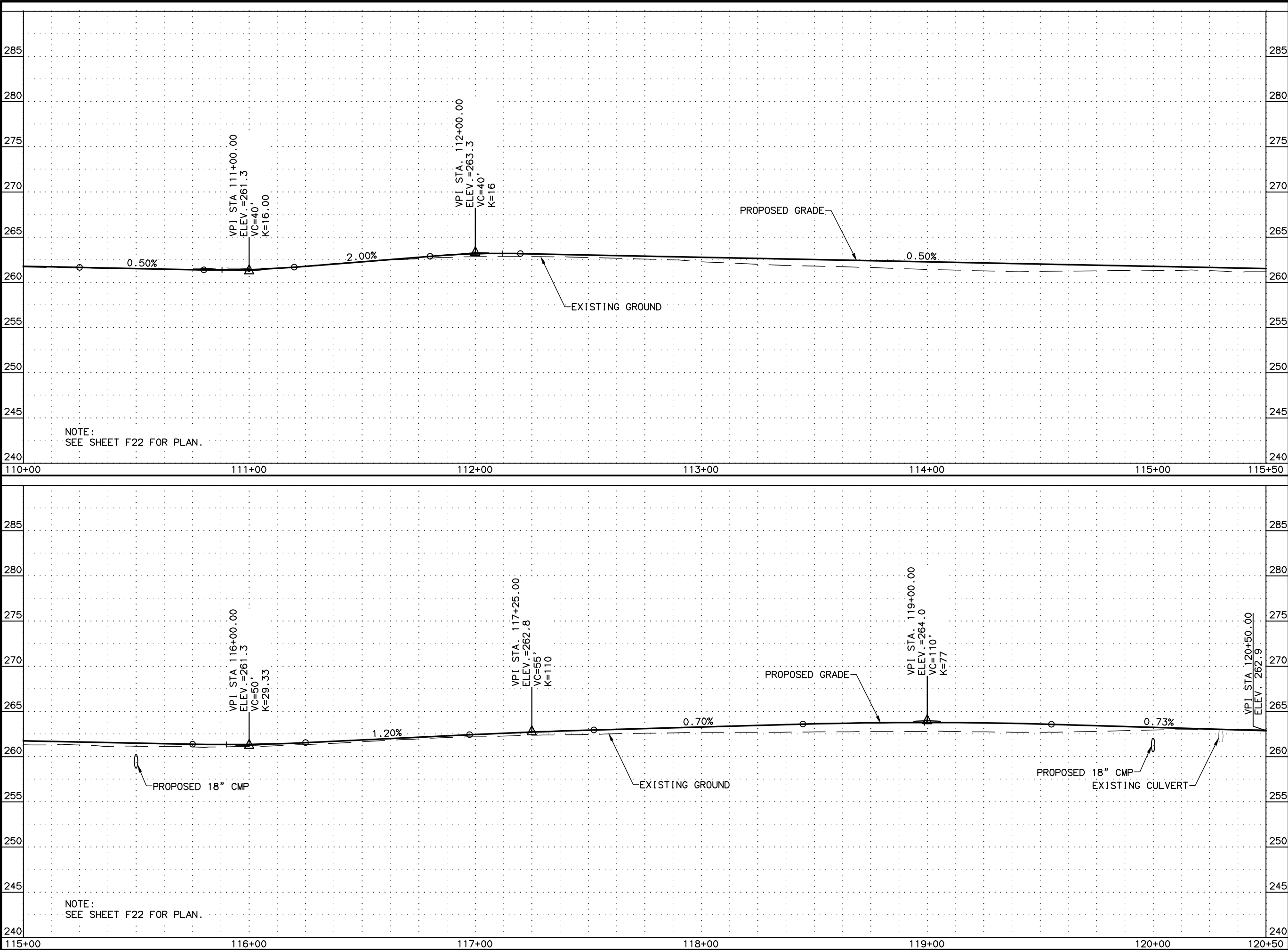
100% REVIEW
4/23/2024

LOUNSBURY & ASSOCIATES, INC.
1175 LEATHERLEAF LOOP, STE D
WASILLA, ALASKA 99654
(907)357-9132
CERT. OF AUTH. NO. AECC391

CITY OF HOUSTON
RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON

N. MAID MARIAN DR,
W. LITTLE SUSITNA DR,
& W. WILDERNESS CT
PLAN

FILE T:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 F2.DWG DATE/TIME 4/23/2024 4:43 PM LAYOUT 1" = 20' DESIGNED AGL CHECKED SP DRAFTED AGL



SHEET NO.		TOTAL SHEETS	
F23		F29	
STATE		YEAR	
ALASKA		2024	
PROJECT DESIGNATION			
XX-XX-XXXX			
NO.		REVISION	
DATE			
NO.		REVISION	
DATE			
NO.		REVISION	
DATE			

100% REVIEW
4/23/2024

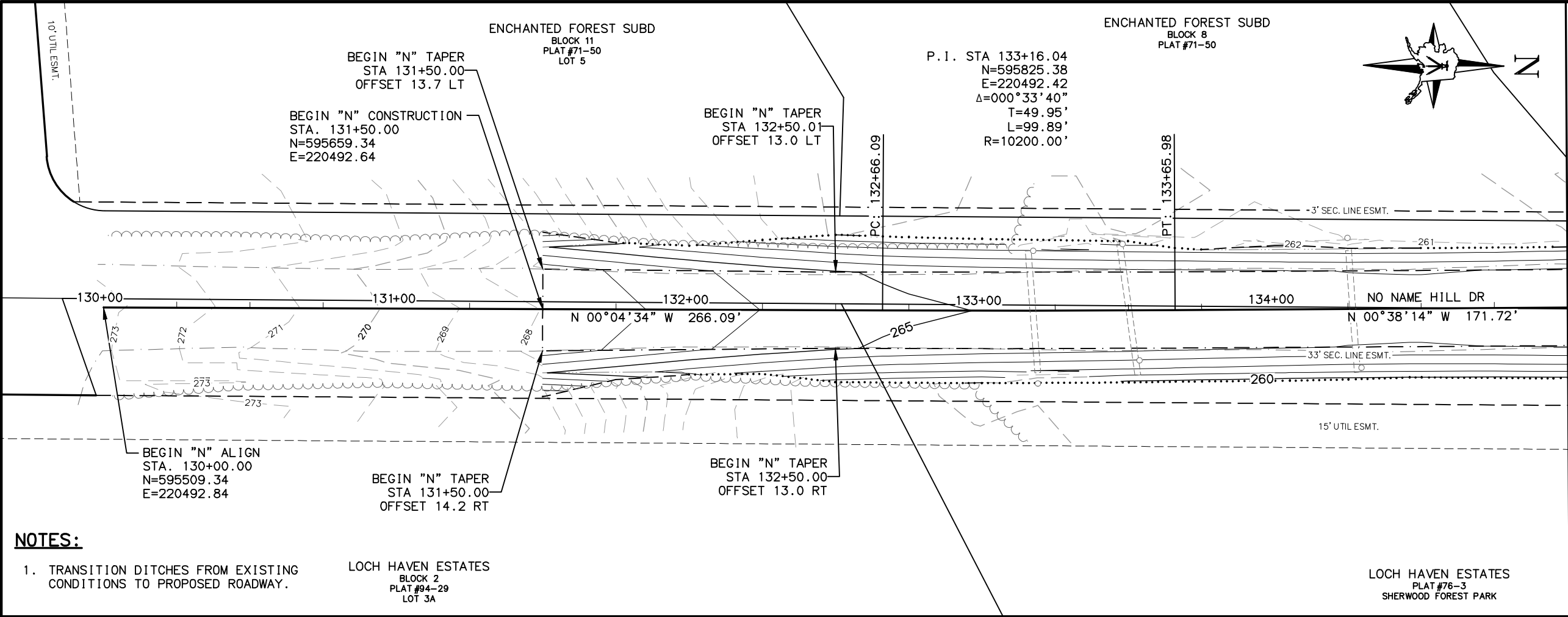
LOUNSBURY & ASSOCIATES, INC.
1175 LEATHERLEAF LOOP, STE D
WASILLA, ALASKA 99654
(907)357-9132
CERT. OF AUTH. NO. AECC391

CITY OF HOUSTON
RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON

N. MAID MARIAN DR, W.
LITTLE SUSITNA DR, W.
WILDERNESS CT

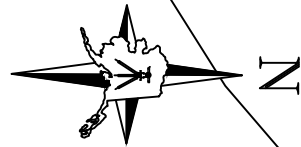
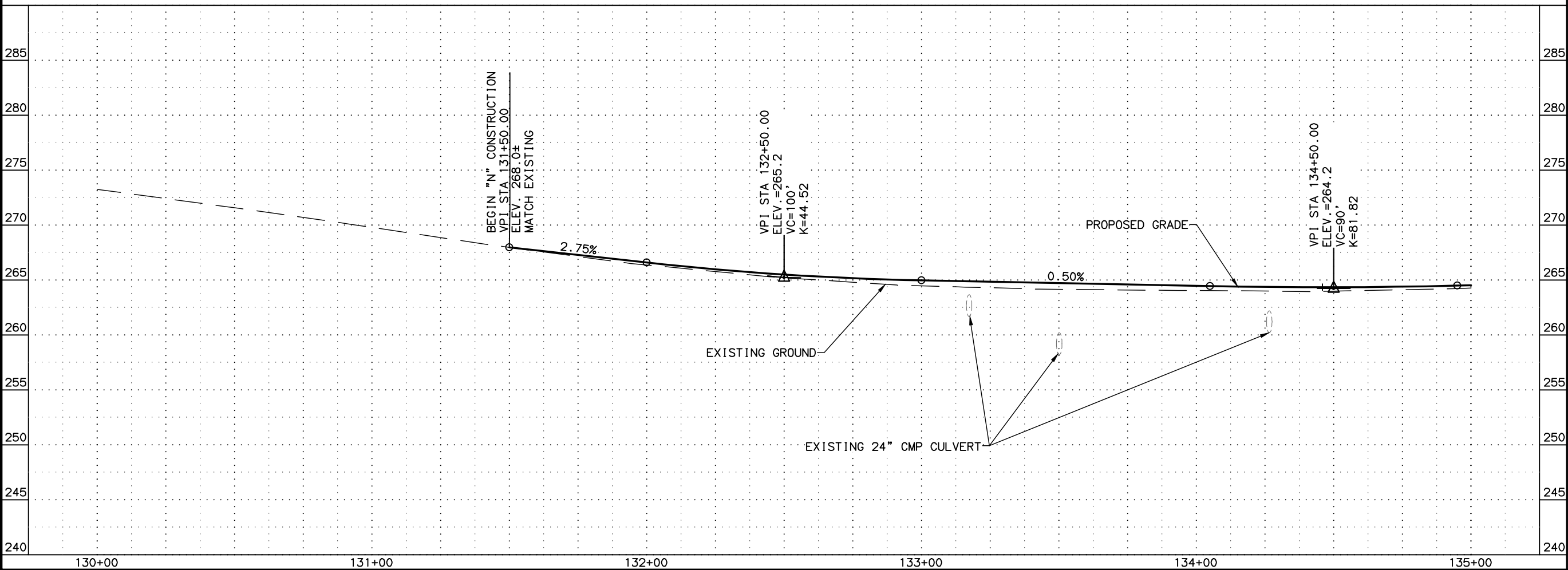
PROFILES

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DATE/TIME 4/23/2024 4:43 PM LAYOUT 1" = 20'
DESIGNED AGL CHECKED SP DRAFTED AGL



NOTES:

1. TRANSITION DITCHES FROM EXISTING CONDITIONS TO PROPOSED ROADWAY.



SHEET NO.	TOTAL SHEETS
F24	F29
STATE	YEAR
ALASKA	2024
PROJECT DESIGNATION	
XX-XX-XXXX	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

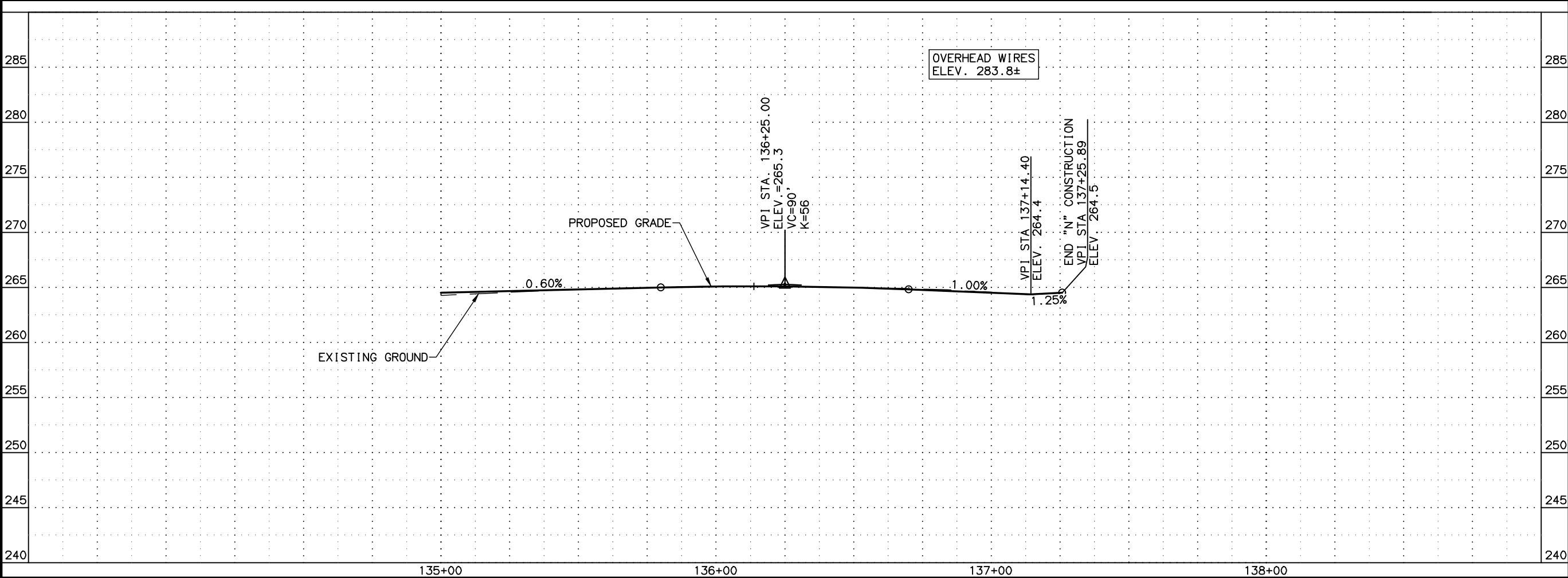
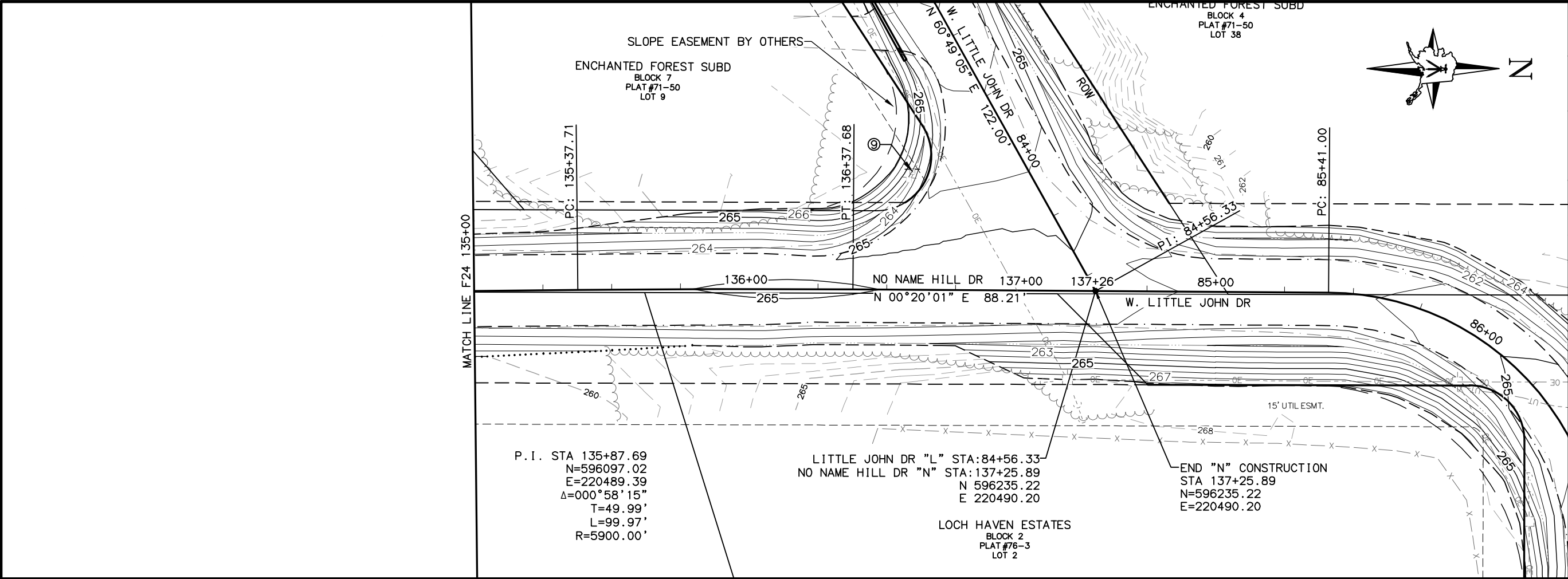
100% REVIEW
4/23/2024

LOUNSBURY & ASSOCIATES, INC.
1175 LEATHERLEAF LOOP, STE D
WASILLA, ALASKA 99654
(907)357-9132
CERT. OF AUTH. NO. AECC391

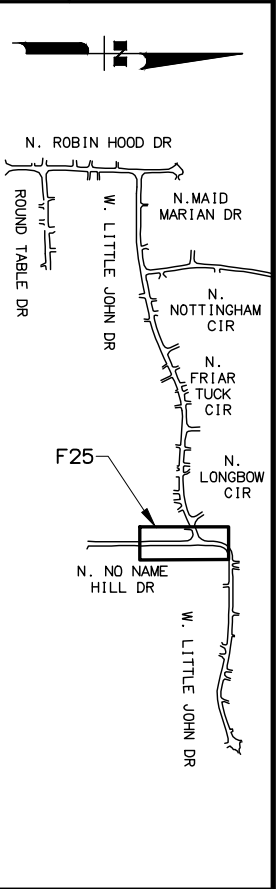
CITY OF HOUSTON
RECONDITIONING NINE FLOOD DAMAGED ROADS IN THE CITY OF HOUSTON

N. NO NAME HILL DRIVE
BOP TO STA. 135+00

FILE I:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 F2.DWG DATE/TIME 4/23/2024 4:43 PM LAYOUT 1" = 20' DESIGNED AGL CHECKED SP DRAFTED AGL



SHEET NO.	TOTAL SHEETS
F25	F29
STATE	YEAR
ALASKA	2024
PROJECT DESIGNATION	
XX-XX-XXXX	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



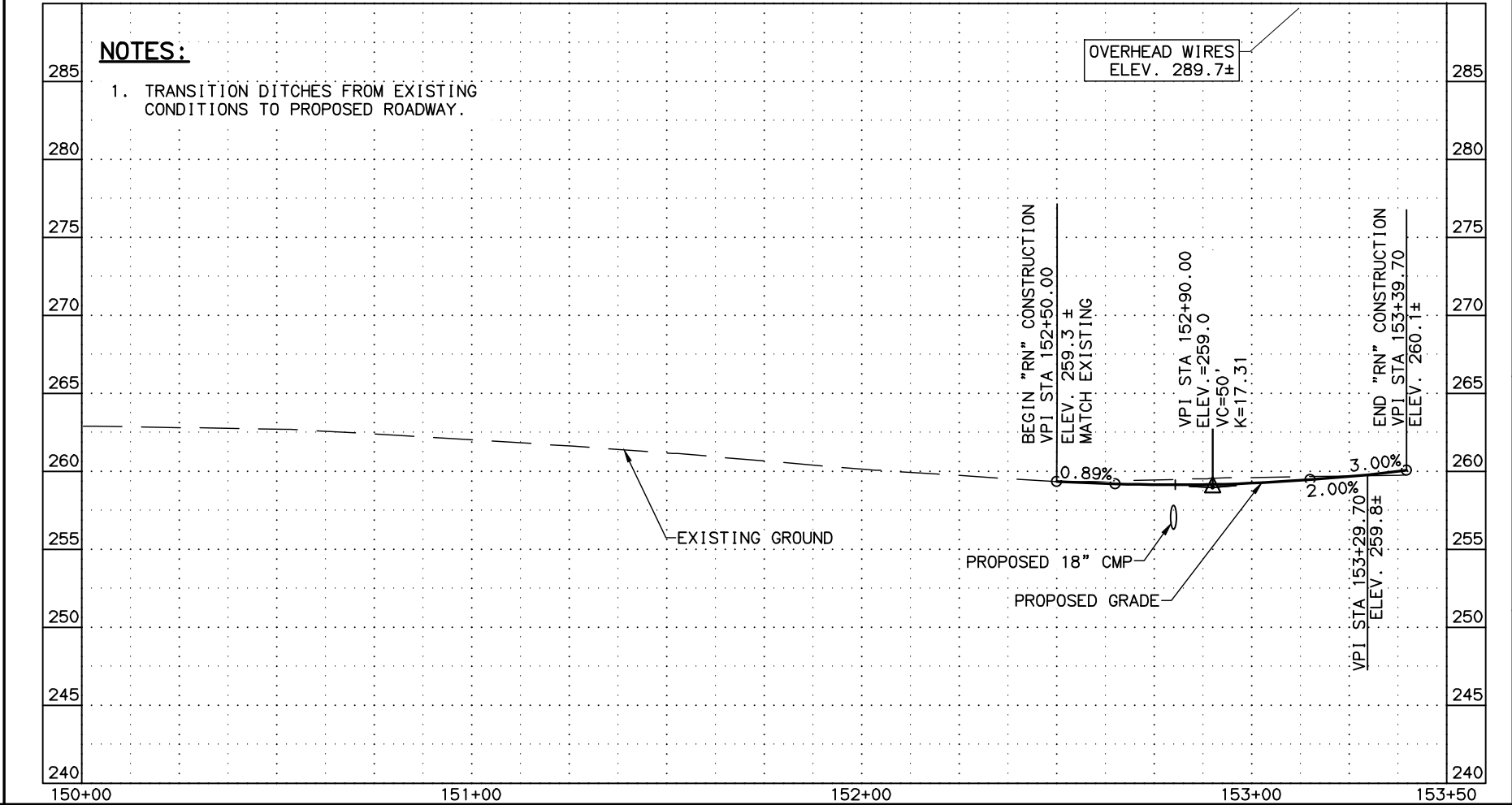
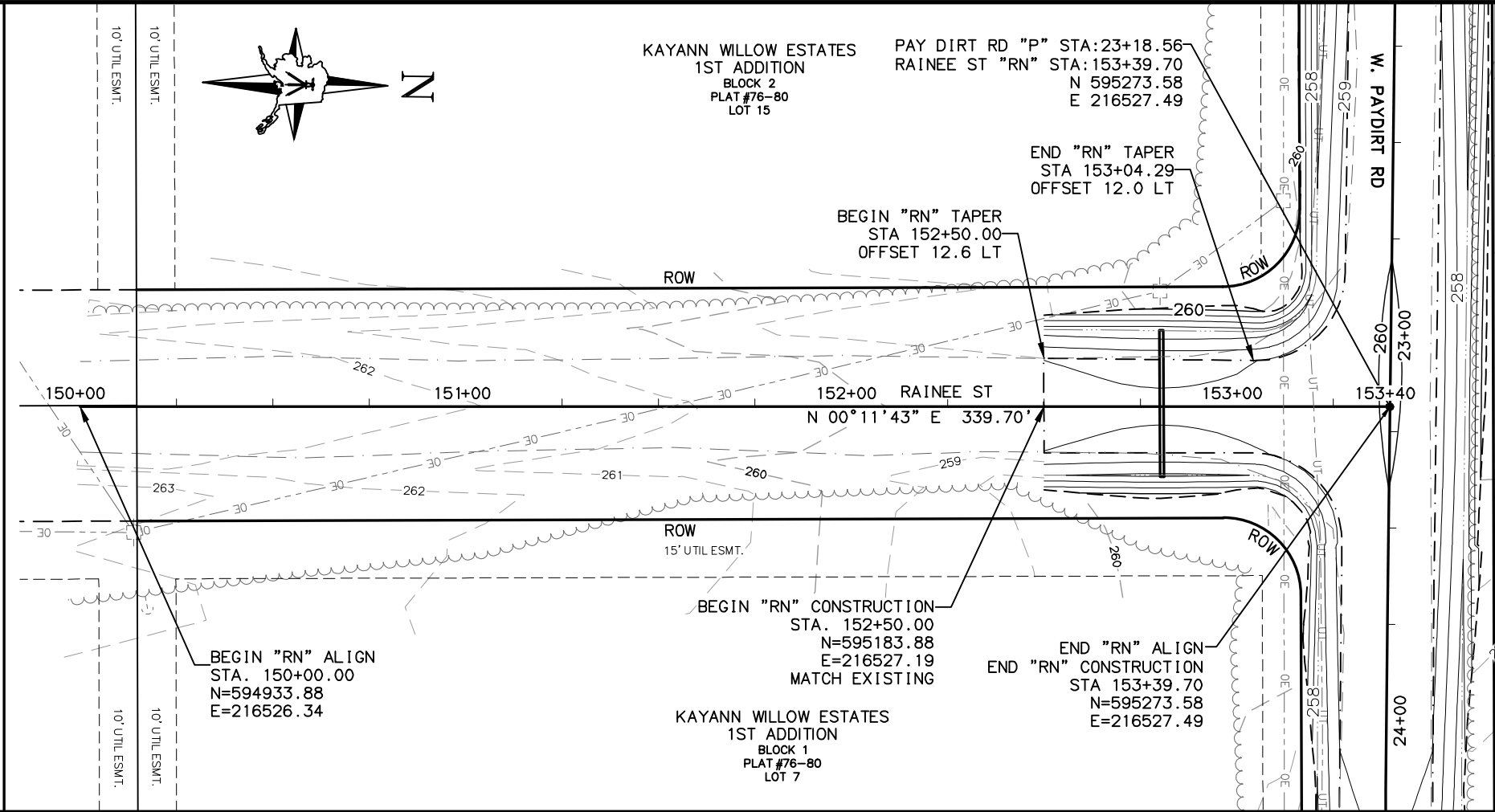
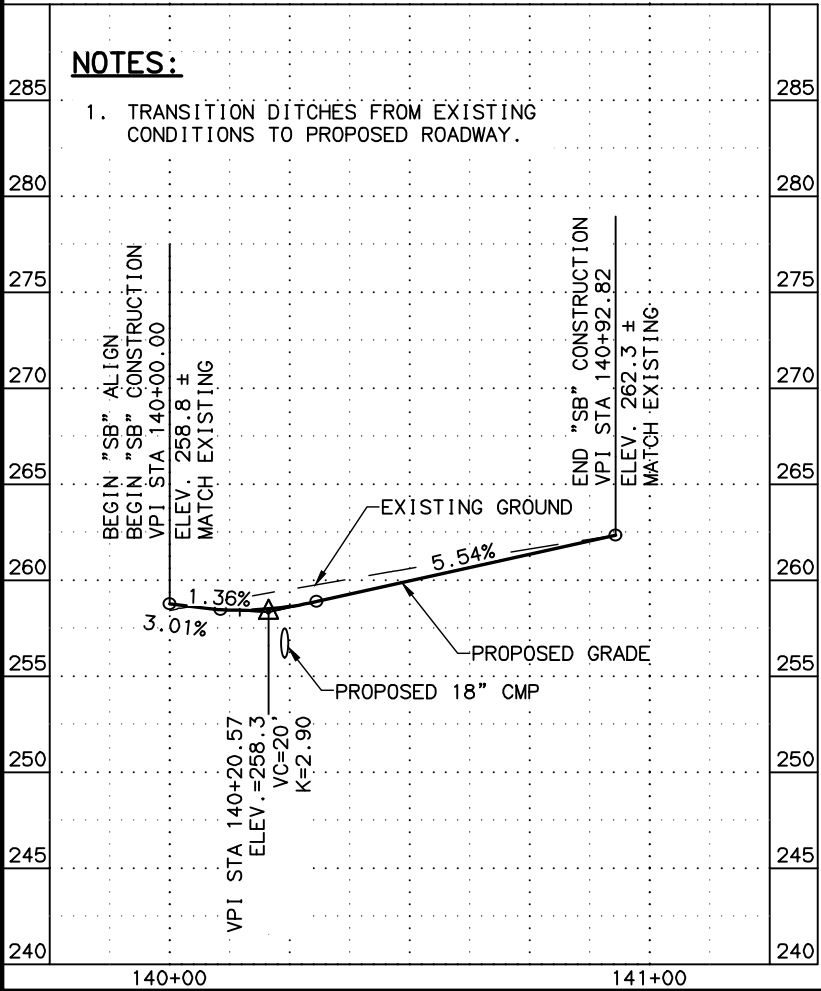
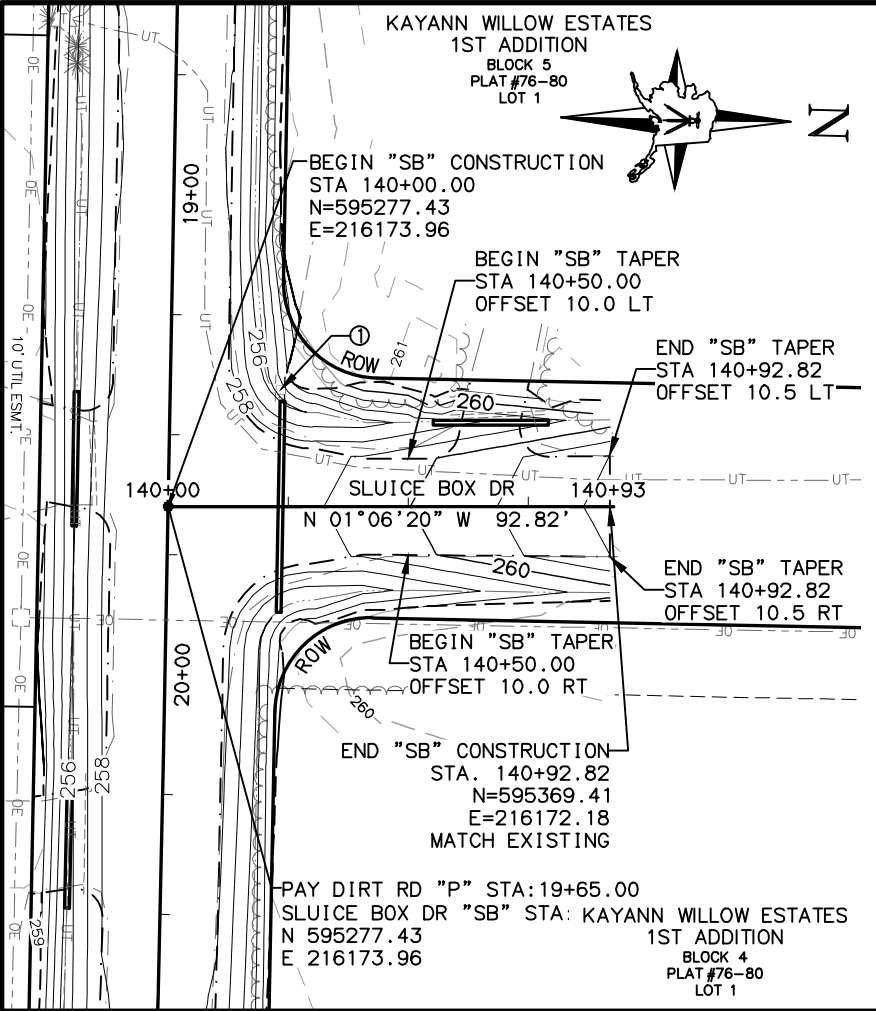
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CITY OF HOUSTON
**RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON**

N. NO NAME HILL DRIVE
PLAN AND PROFILE
STA. 135+00 TO EOP

FILE I:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 F2.DWG DATE/TIME 4/23/2024 4:43 PM LAYOUT 1" = 20' DESIGNED AGL CHECKED SP DRAFTED AGL



SHEET NO.	TOTAL SHEETS
F26	F29
STATE	YEAR
ALASKA	2024
PROJECT DESIGNATION	
XX-XX-XXXX	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

W. PAYDIRT RD
N. SLUICE BOX DR
N. RAINEE ST
W. PAYDIRT RD
W. MERLIN DR
W. PAYDIRT RD
STATION

F26

F26

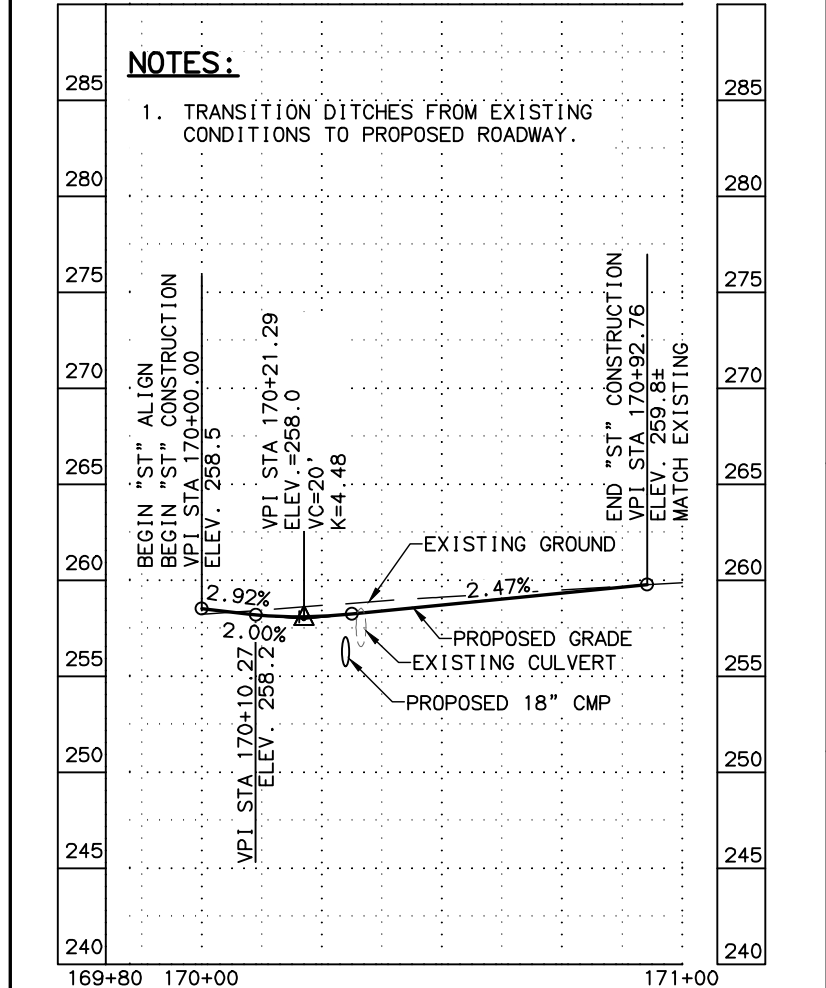
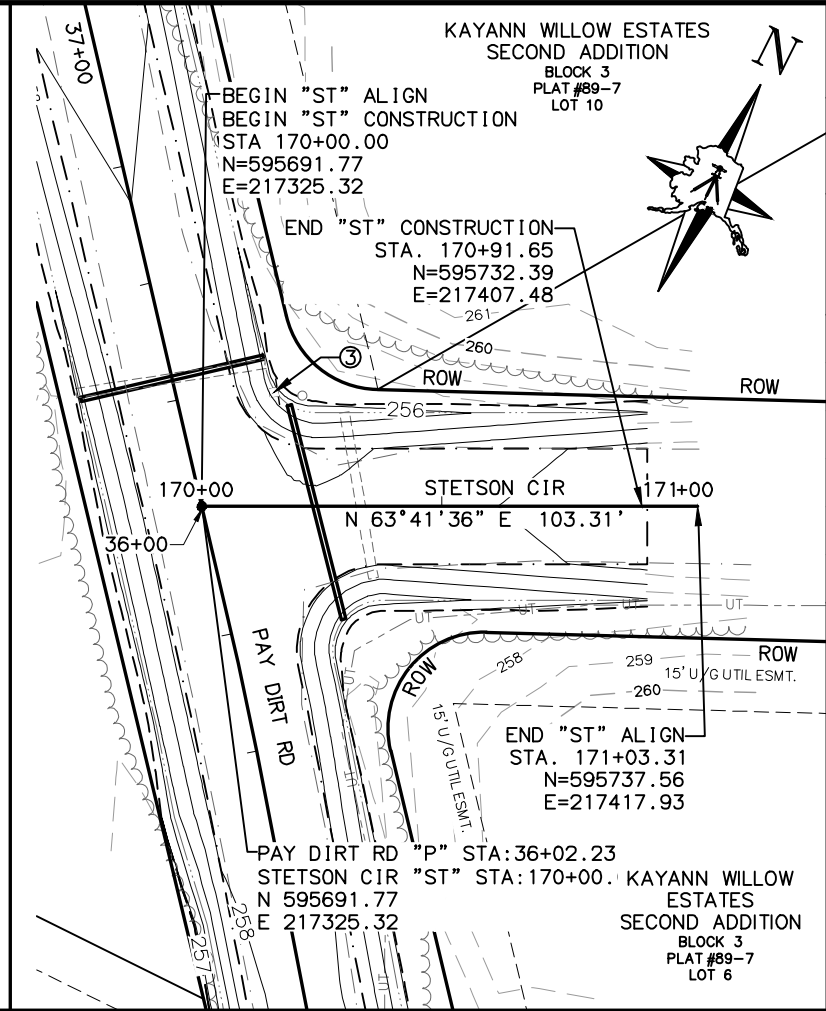
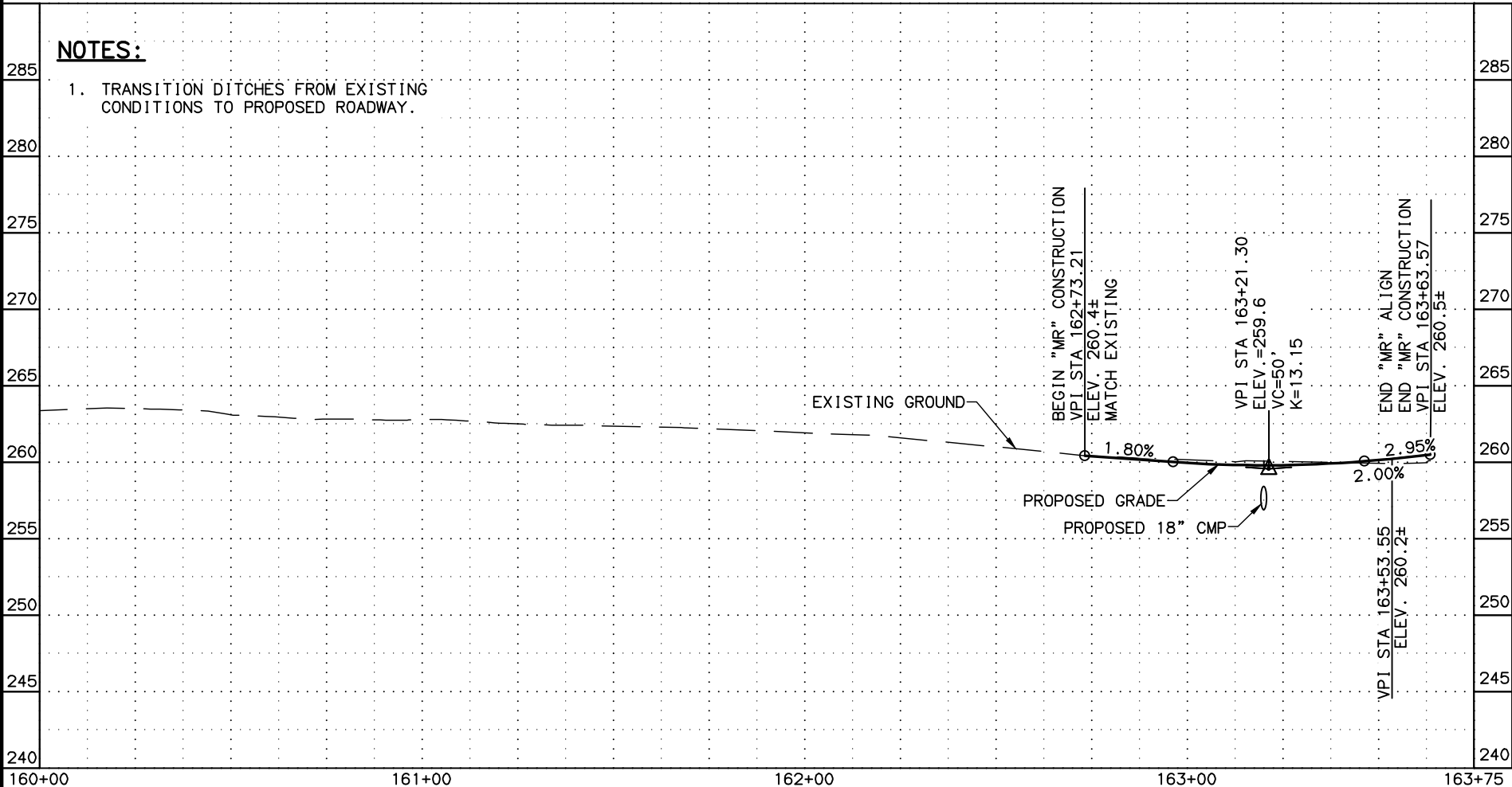
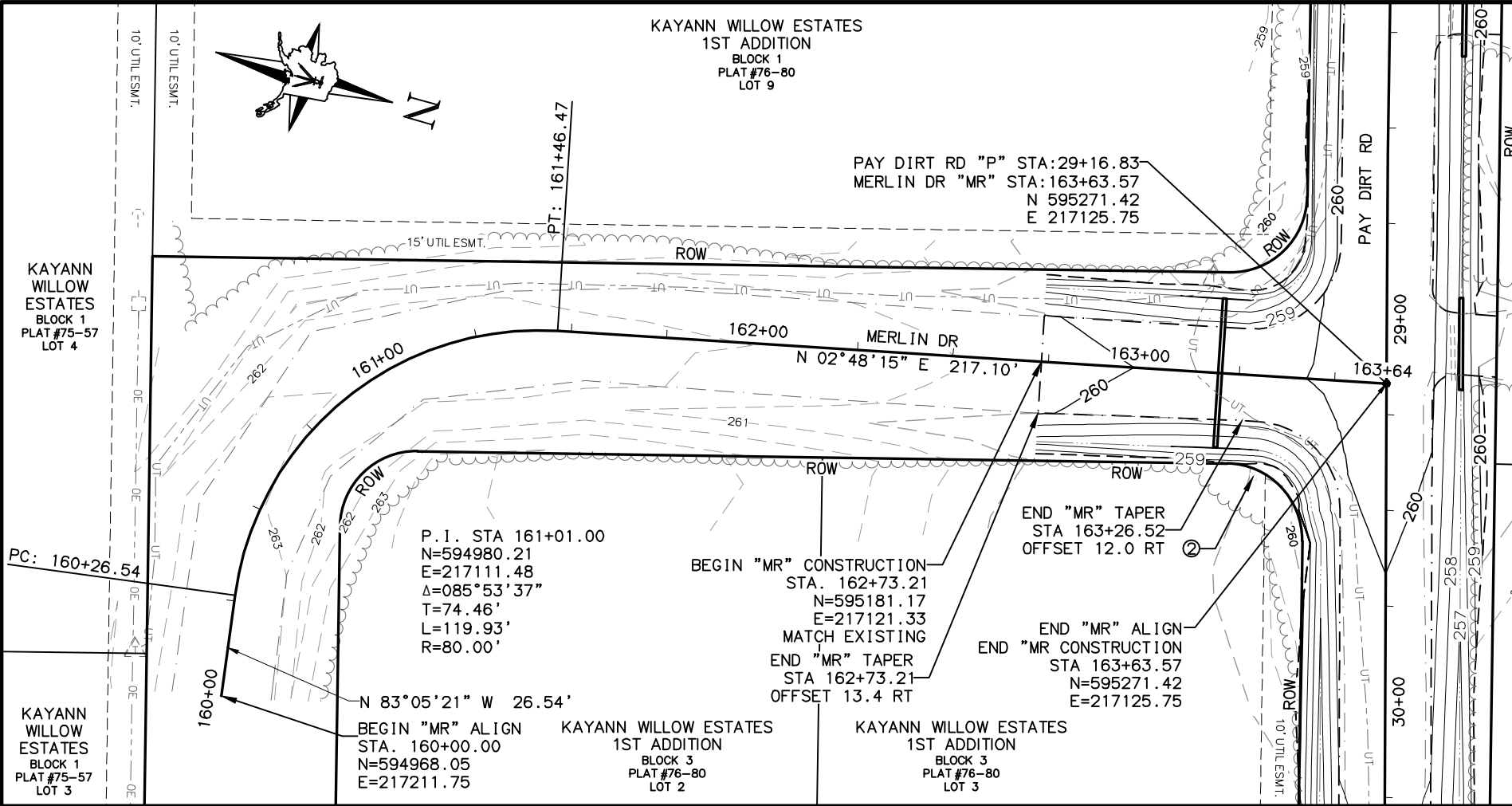
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CITY OF HOUSTON
RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON

PAYDIRT RD APPROACHES
N. SLUICE BOX DRIVE
& N. RAINEE STREET
PLAN AND PROFILE

FILE T:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037_F2.DWG DATE/TIME 4/23/2024 4:43 PM LAYOUT 1" = 20' DESIGNED AGL CHECKED SP DRAFTED AGL



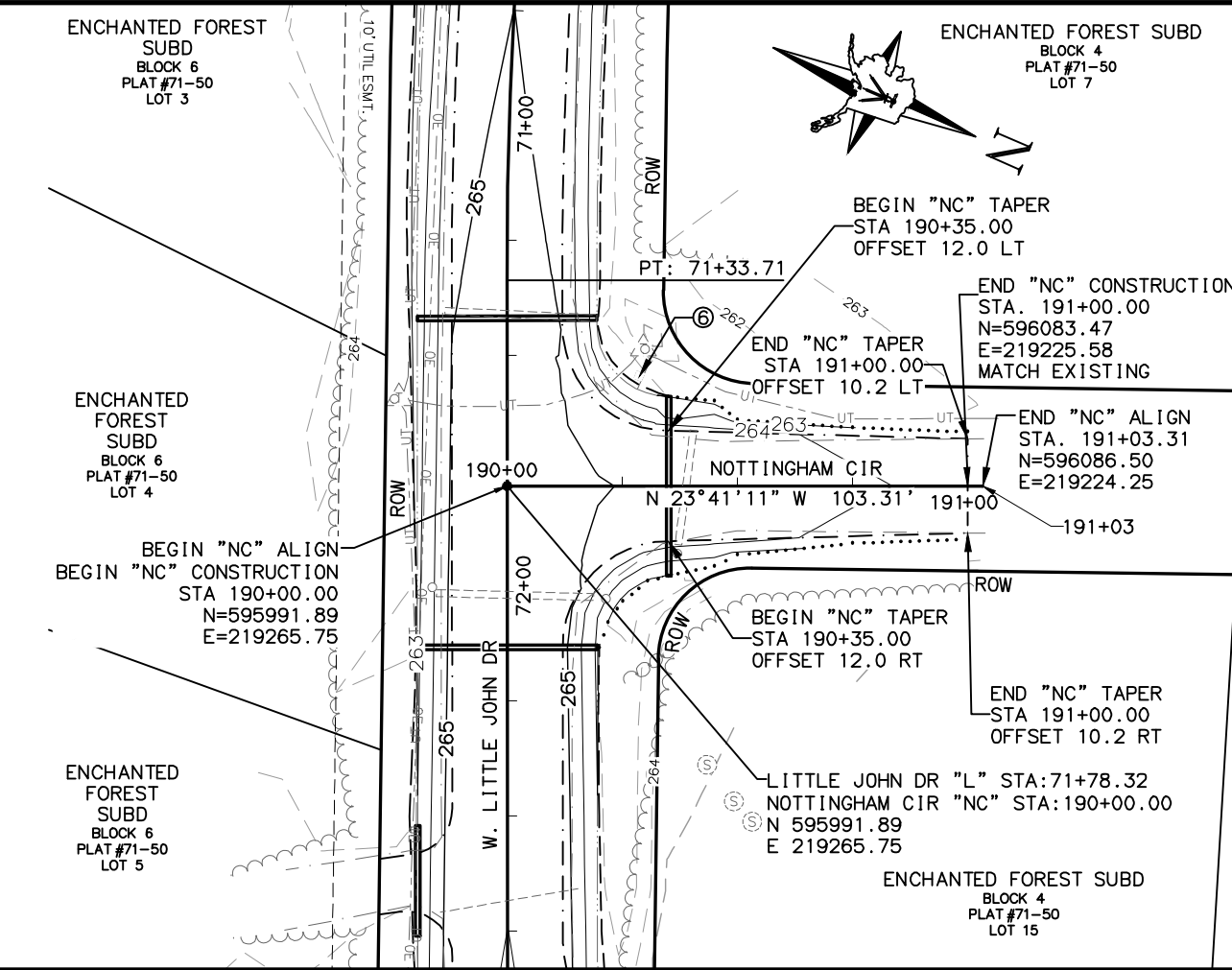
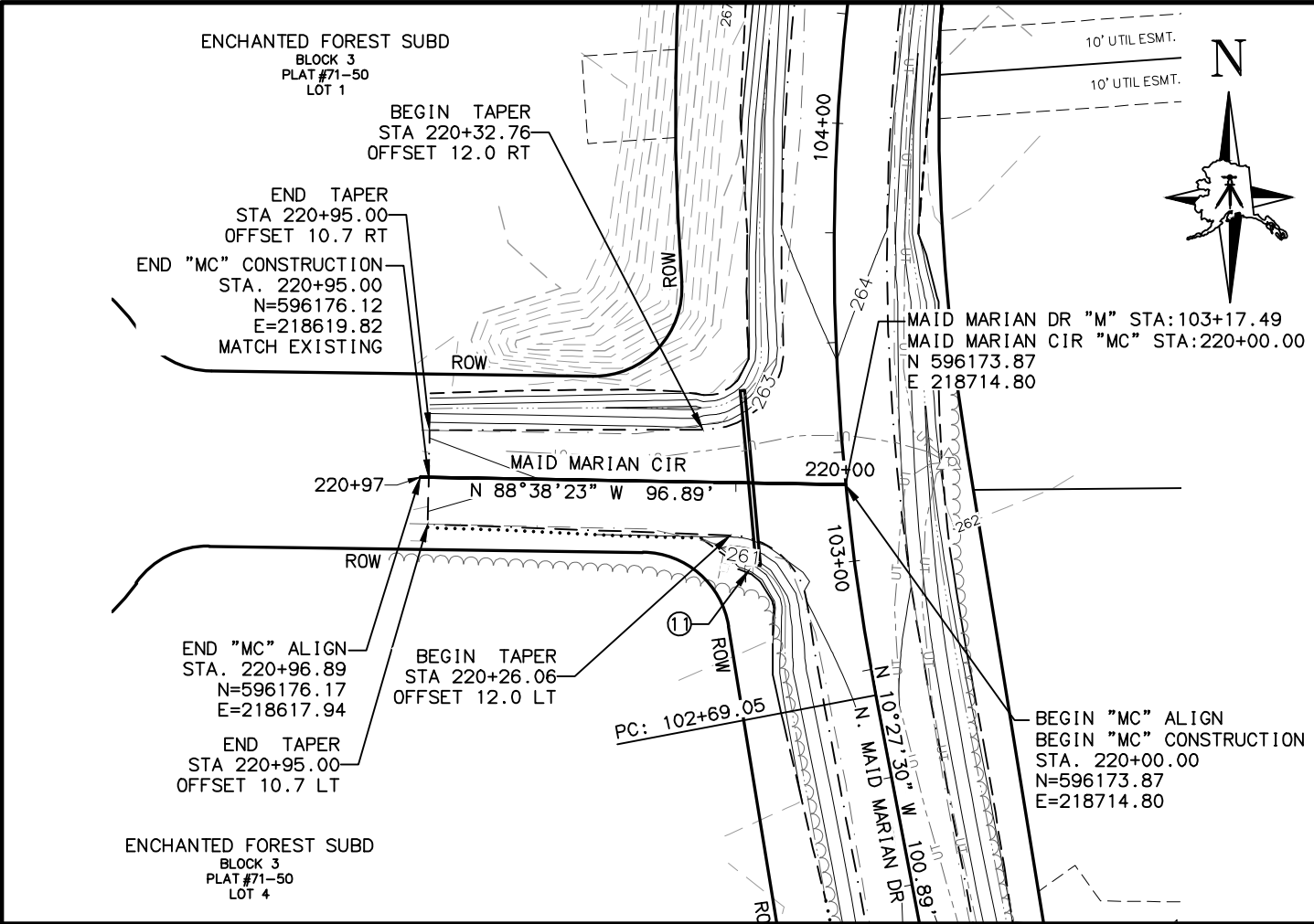
SHEET NO.	TOTAL SHEETS
F27	F29
STATE	YEAR
ALASKA	2024
PROJECT DESIGNATION	
XX-XX-XXXX	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

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4/23/2024

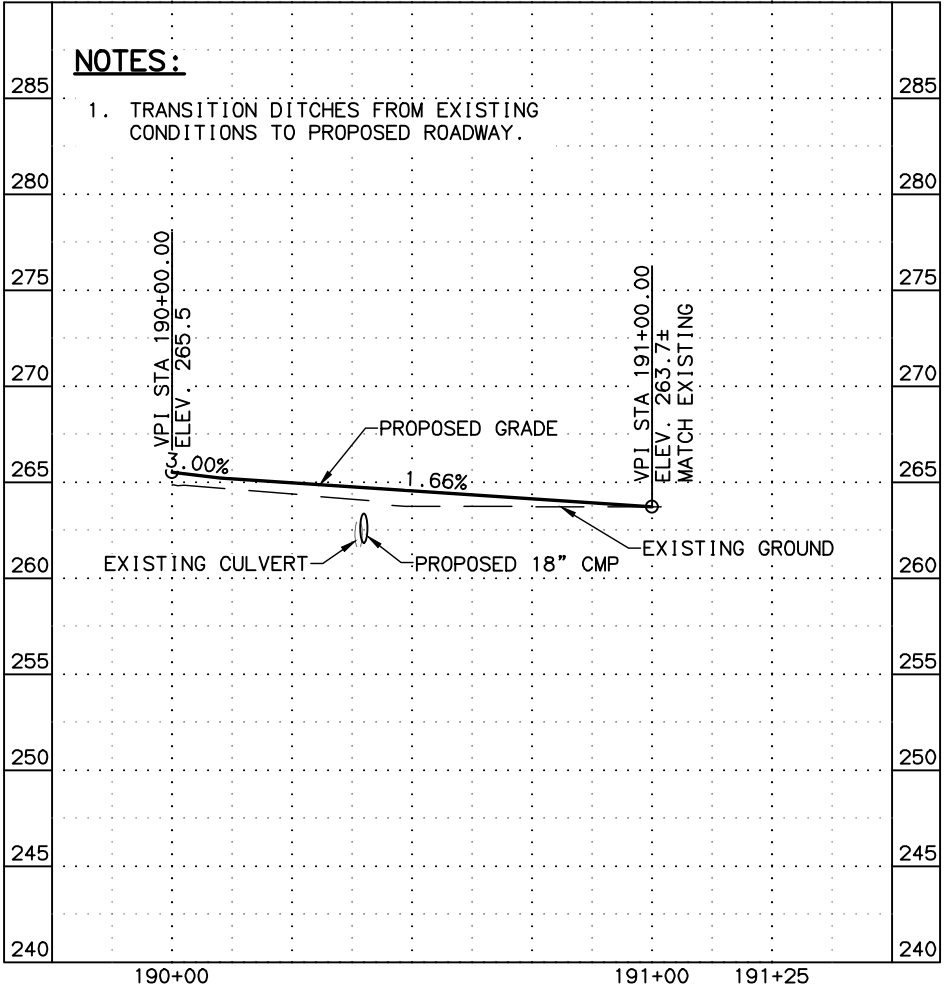
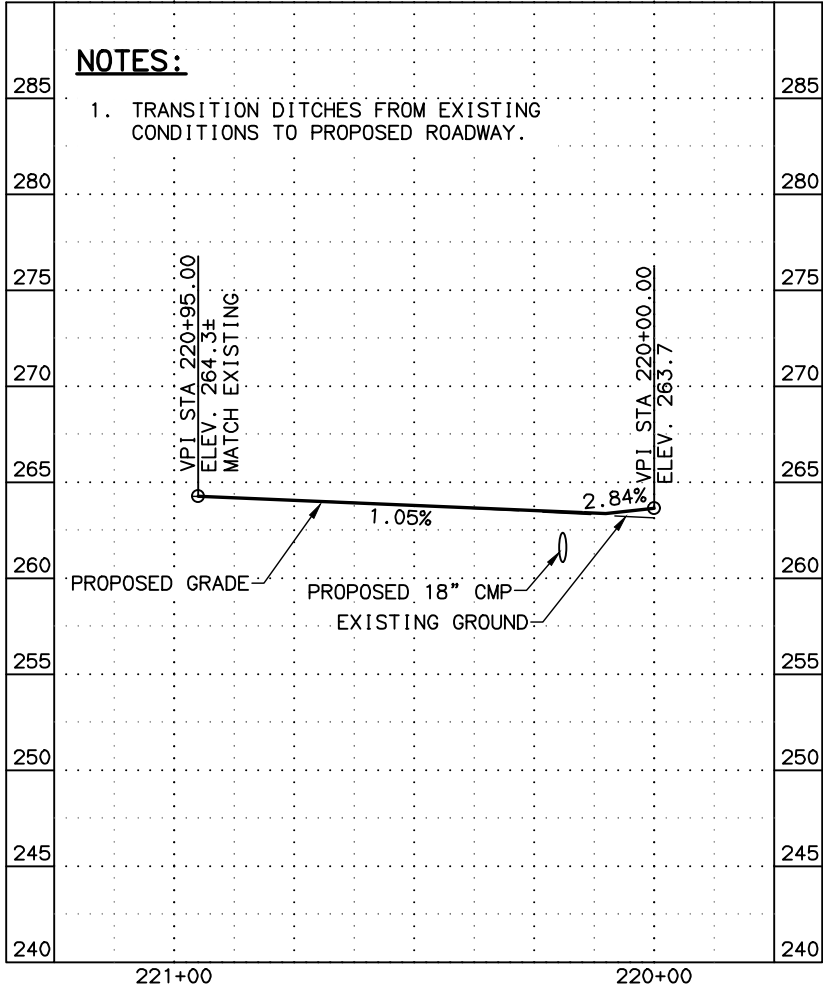
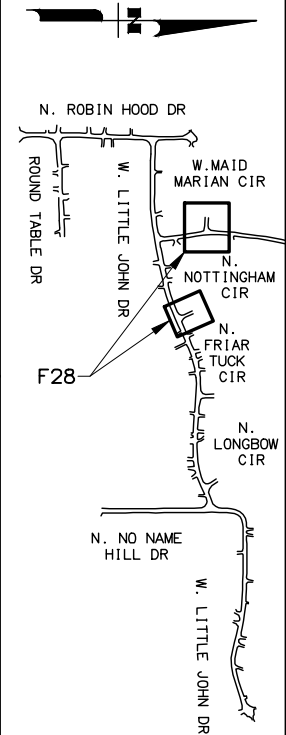
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WASILLA, ALASKA 99654
(907)357-9132
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CITY OF HOUSTON
RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON

PAYDIRT RD APPROACHES
W. MERLIN DRIVE
STETSON CIRCLE
PLAN AND PROFILE



SHEET NO.	TOTAL SHEETS
F28	F29
STATE	YEAR
ALASKA	2024
PROJECT DESIGNATION	
XX-XX-XXXX	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

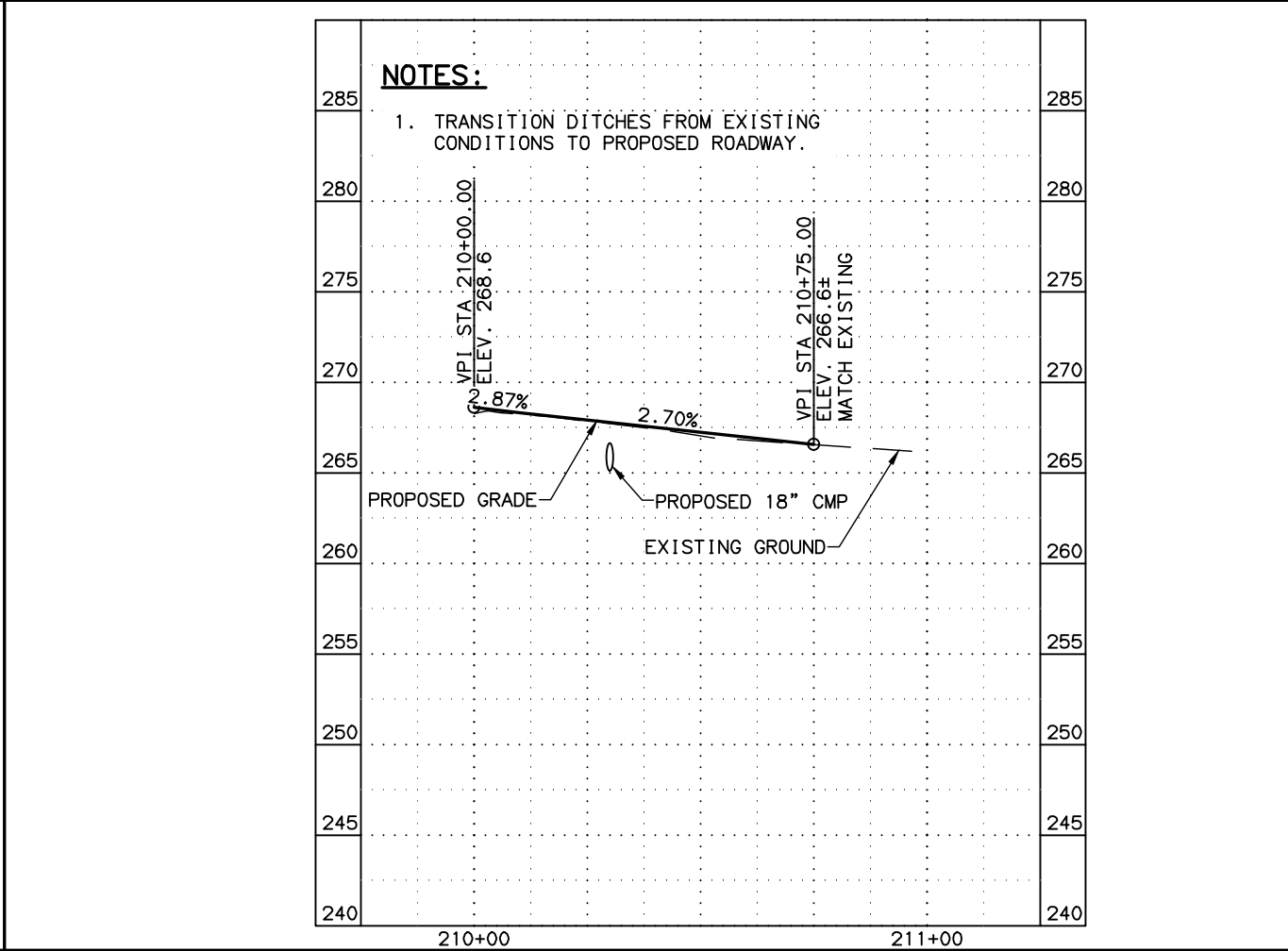
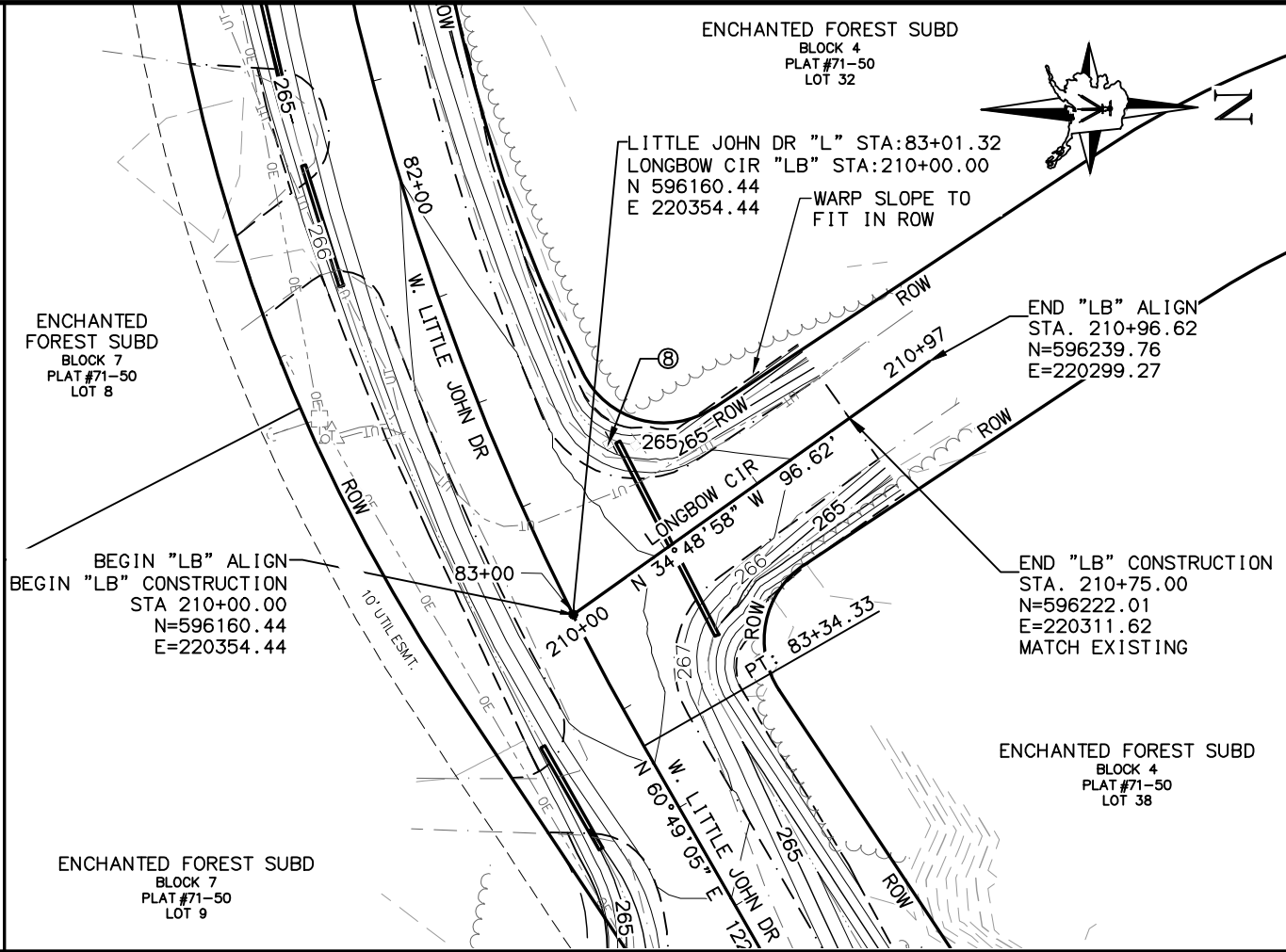
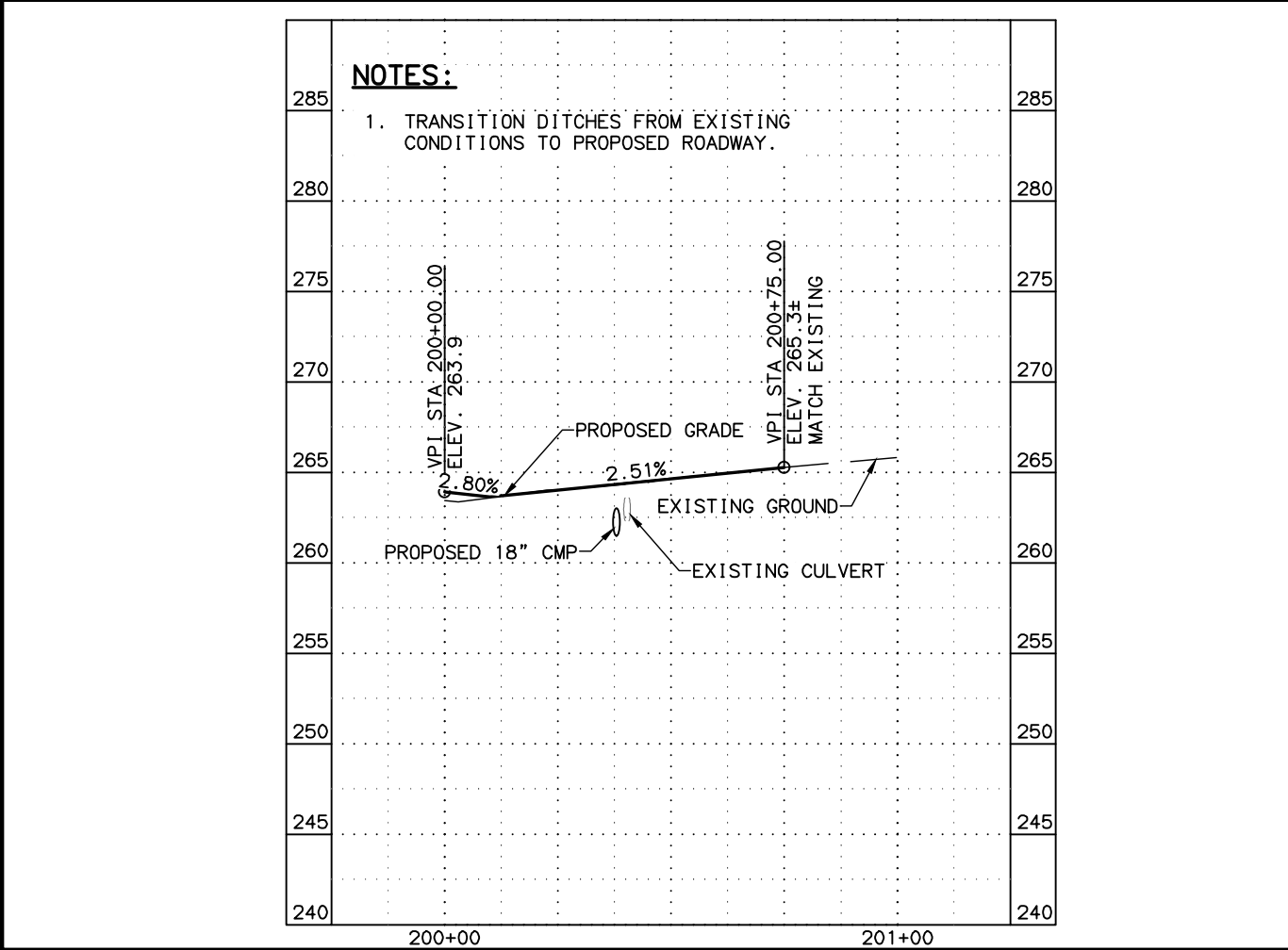
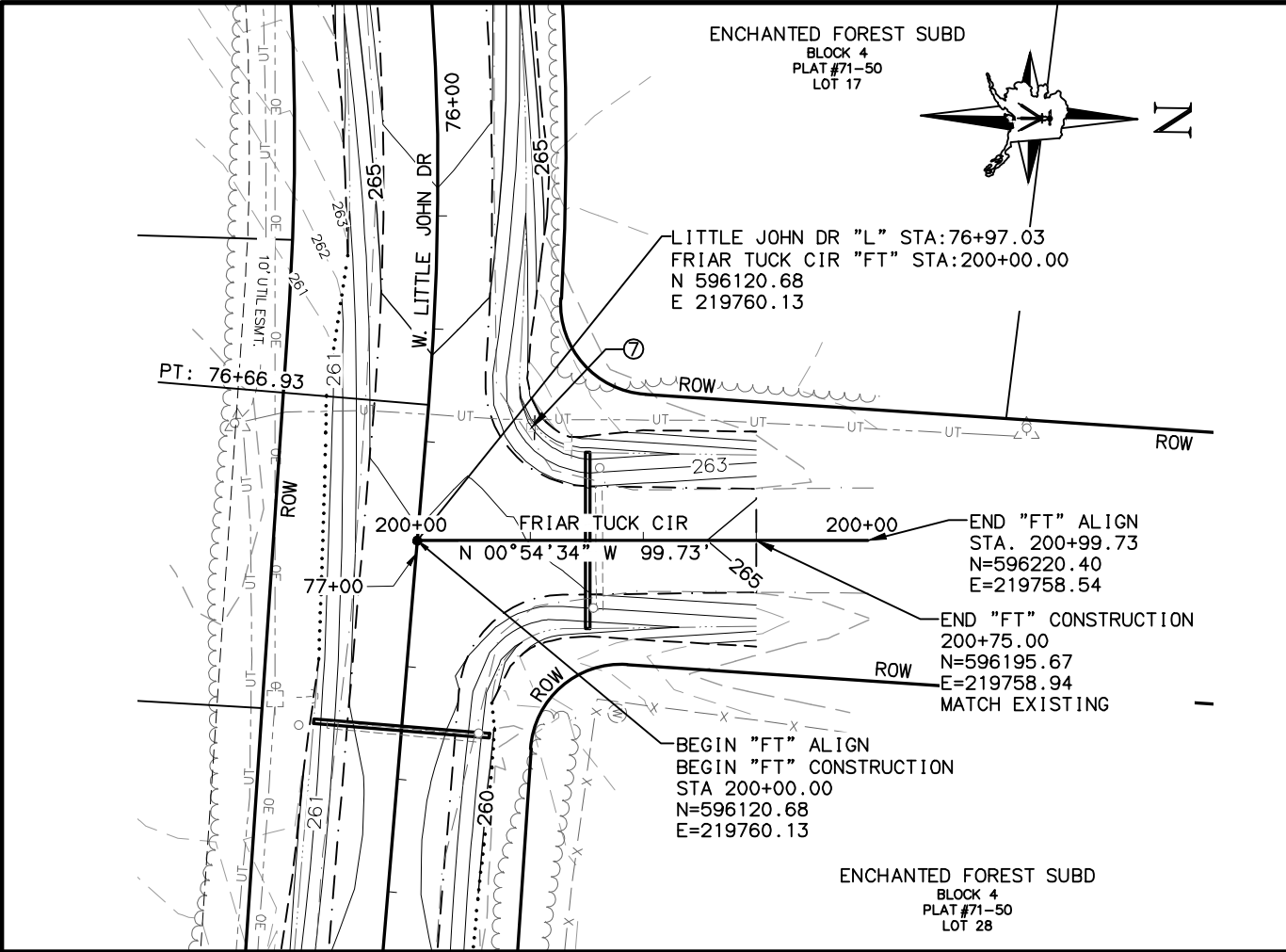


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CITY OF HOUSTON
RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON

W. LITTLE JOHN DR
APPROACHES
W. MAID MARIAN CIR
& N. NOTTINGHAM CIR
PLAN AND PROFILE



SHEET NO.	TOTAL SHEETS
F29	F29
STATE	YEAR
ALASKA	2024
PROJECT DESIGNATION	
XX-XX-XXXX	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

N. ROBIN HOOD DR
W. LITTLE JOHN DR
N. MAID MARIAN DR
N. NOTTINGHAM CIR
N. FRIAR TUCK CIR
N. LONGBOW CIR
N. NO NAME HILL DR
W. LITTLE JOHN DR
ROUND TABLE DR

F29

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4/23/2024**

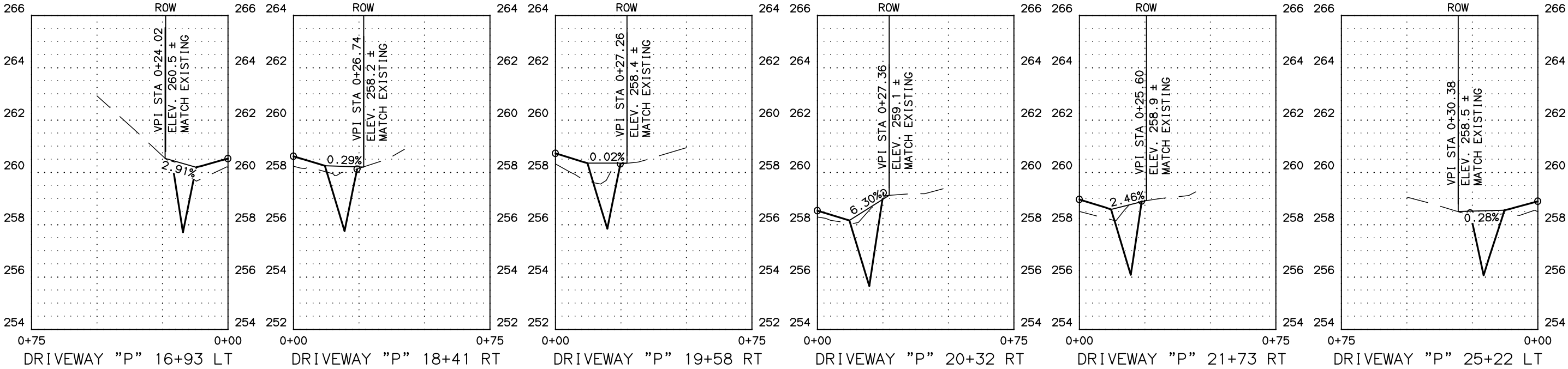
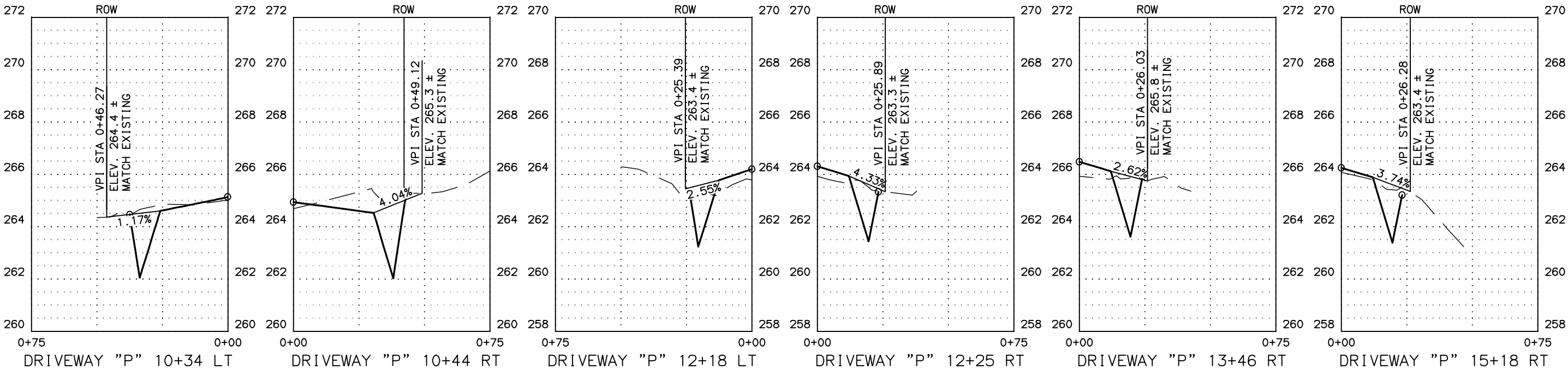
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1175 LEATHERLEAF LOOP, STE D
WASILLA, ALASKA 99654
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CITY OF HOUSTON
RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON

W. LITTLE JOHN DR
APPROACHES
N. FRIAR TUCK CIRCLE
& N. LONGBOW CIRCLE
PLAN AND PROFILE

FILE T:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 G SHEETS PAYDIRT DRIVEWAYS.DWG DATE/TIME 4/23/2024 4:44 PM LAYOUT 1" = 20' DESIGNED AGL CHECKED JK DRAFTED AGL

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	XX-XX-XXXX	2024	G1	G12



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REVIEW
4/23/2024

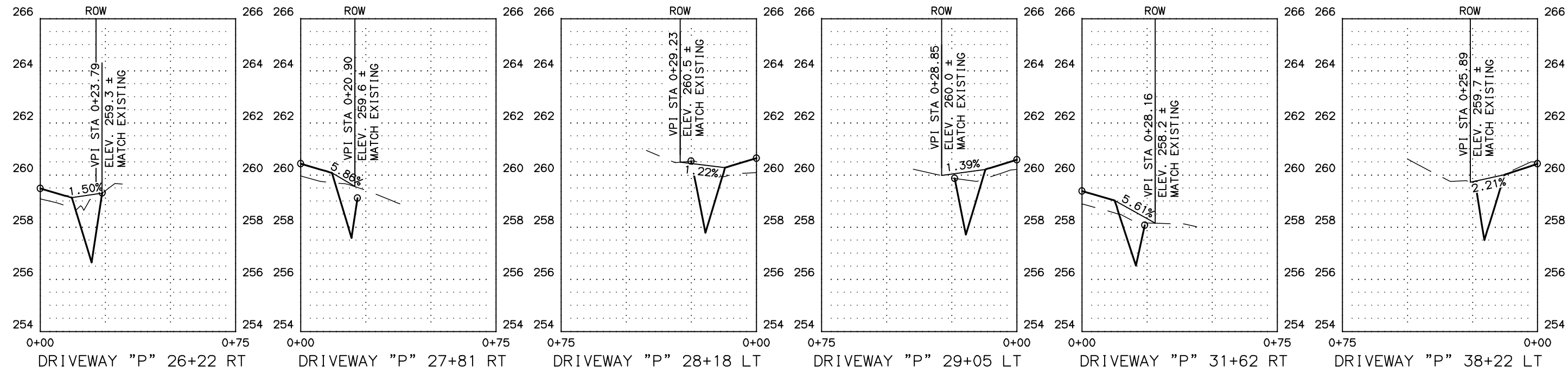
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1175 N. LEATHERLEAF LOOP, STE D
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CITY OF HOUSTON
RECONDITIONING
NINE FLOOD DAMAGED ROADS
IN THE CITY OF HOUSTON

DRIVEWAY PROFILES

FILE T:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 G SHEETS PAYDIRT DRIVEWAYS.DWG 4/23/2024 4:44 PM LAYOUT 1" = 20' DESIGNED AGL CHECKED JK DRAFTED AGL

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	XX-XX-XXXX	2024	G2	G12



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REVIEW
4/23/2024

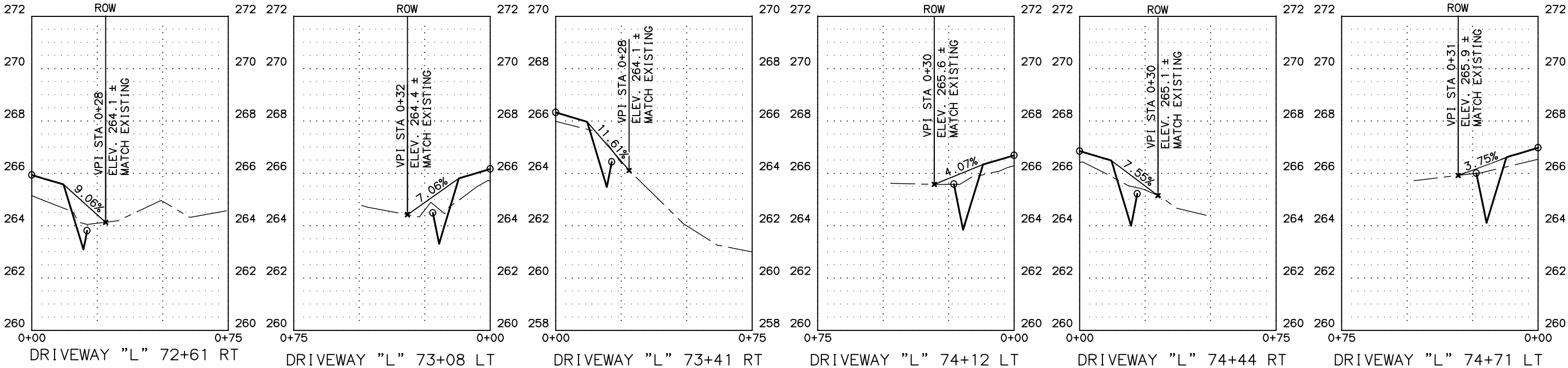
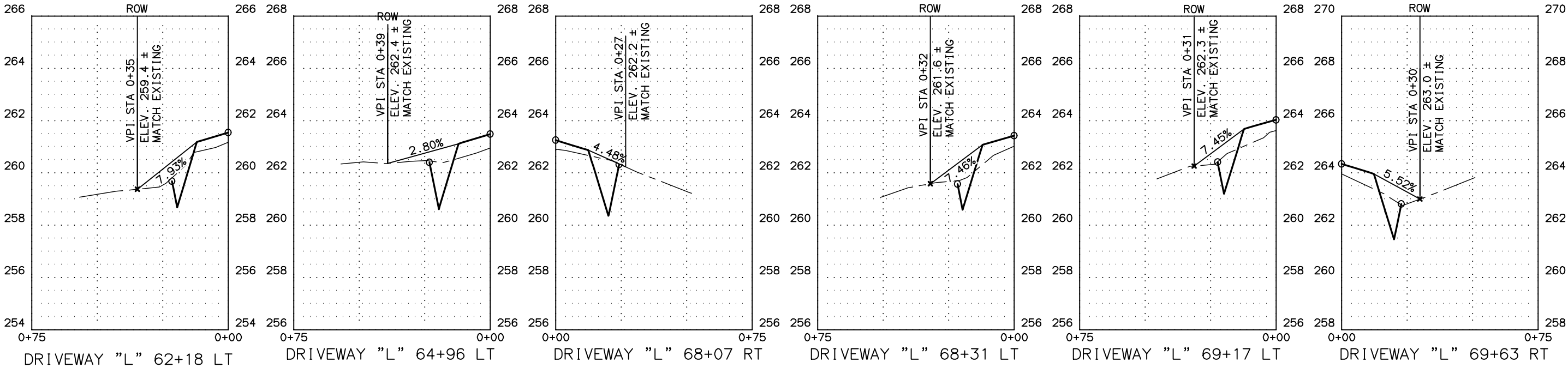
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(907)357-9132
CERT. OF AUTH. NO. AECC391

CITY OF HOUSTON
RECONDITIONING
NINE FLOOD DAMAGED ROADS
IN THE CITY OF HOUSTON

DRIVEWAY PROFILES

FILE I:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 G SHEETS EAST.DWG DATE/TIME 4/23/2024 4:45 PM LAYOUT 1" = 20' DESIGNED AGL CHECKED SP DRAFTED AGL

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	XX-XX-XXXX	2024	G3	G12



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REVIEW
4/23/2024

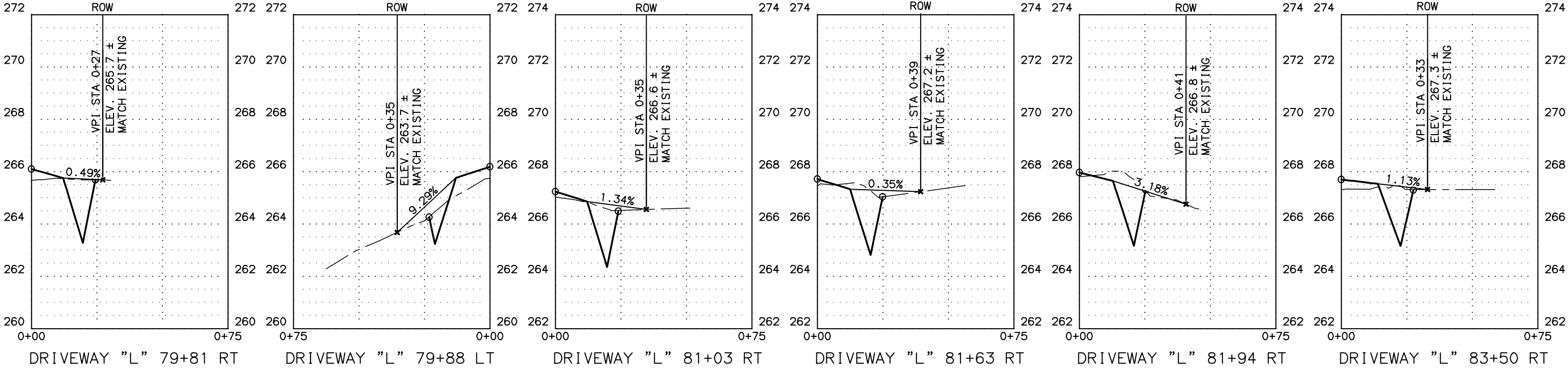
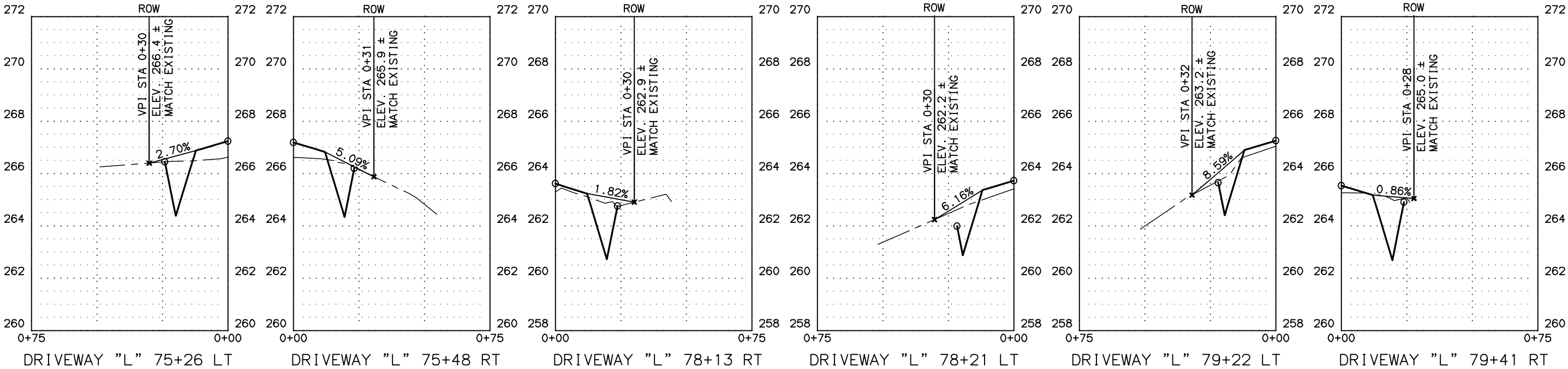
LOUNSBURY & ASSOCIATES, INC.
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CITY OF HOUSTON
RECONDITIONING
NINE FLOOD DAMAGED ROADS
IN THE CITY OF HOUSTON

DRIVEWAY PROFILES

FILE T:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\DWGS\PL-23-037 G SHEETS EAST.DWG DATE/TIME 4/23/2024 4:45 PM LAYOUT 1" = 20' DESIGNED AGL CHECKED SP DRAFTED AGL

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	XX-XX-XXXX	2024	G4	G12



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REVIEW
4/23/2024

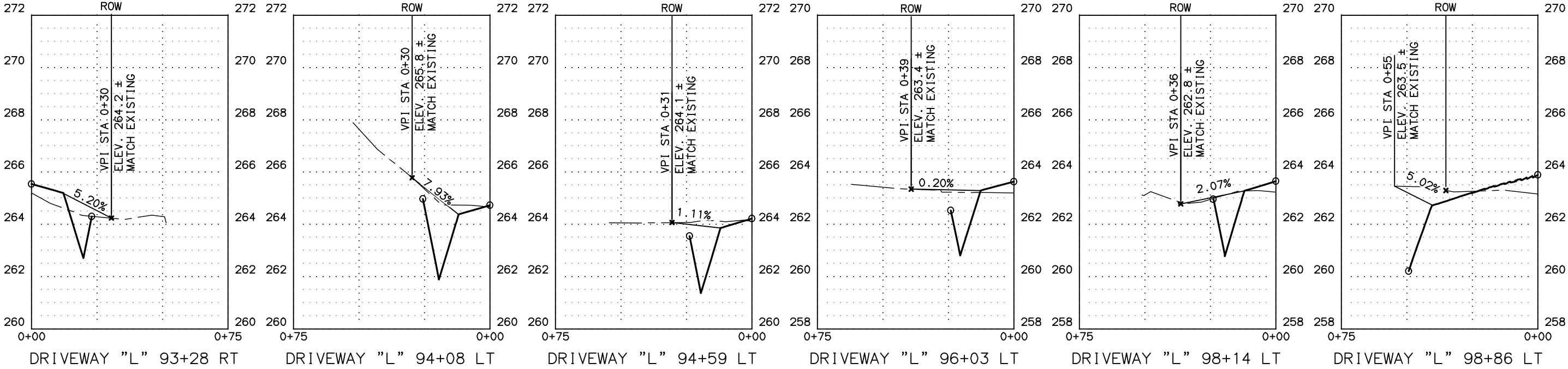
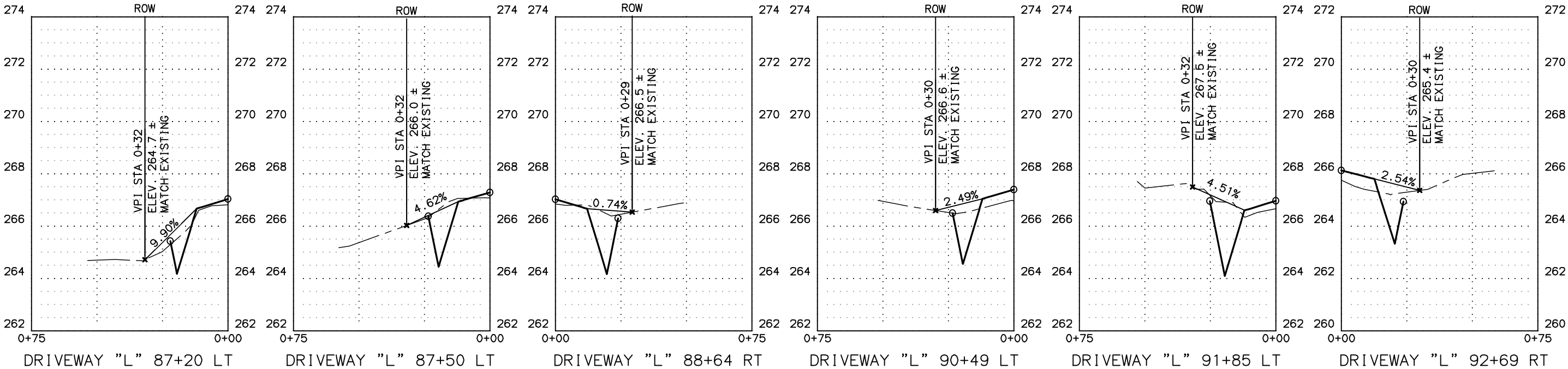
LOUNSBURY & ASSOCIATES, INC.
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CITY OF HOUSTON
RECONDITIONING
NINE FLOOD DAMAGED ROADS
IN THE CITY OF HOUSTON

DRIVEWAY PROFILES

FILE T:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\DWGS\PL-23-037 G SHEETS EAST.DWG DATE/TIME 4/23/2024 4:45 PM LAYOUT 1" = 20' DESIGNED AGL CHECKED SP DRAFTED AGL

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	XX-XX-XXXX	2024	G5	G12



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REVIEW
4/23/2024

CITY OF HOUSTON

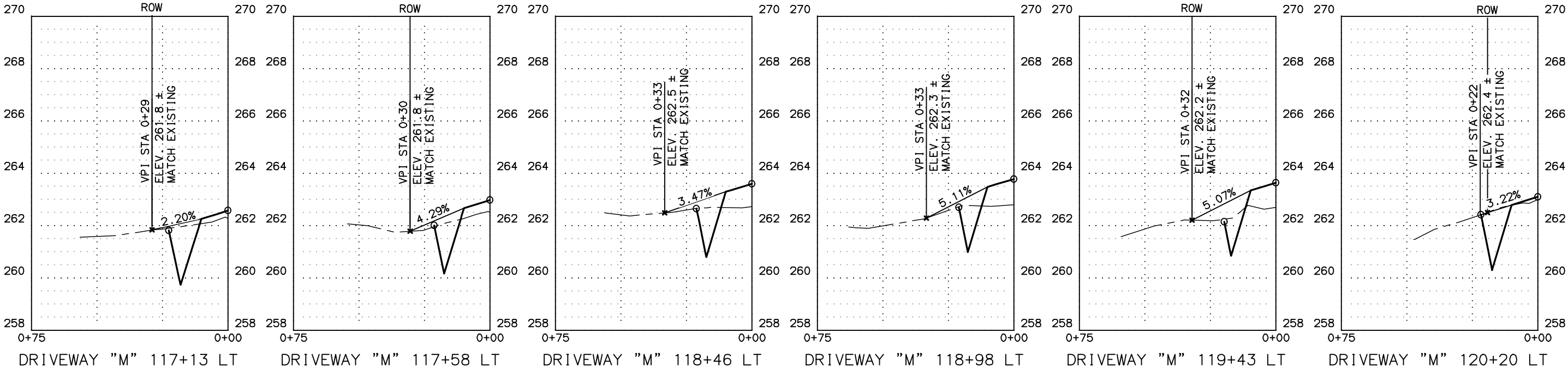
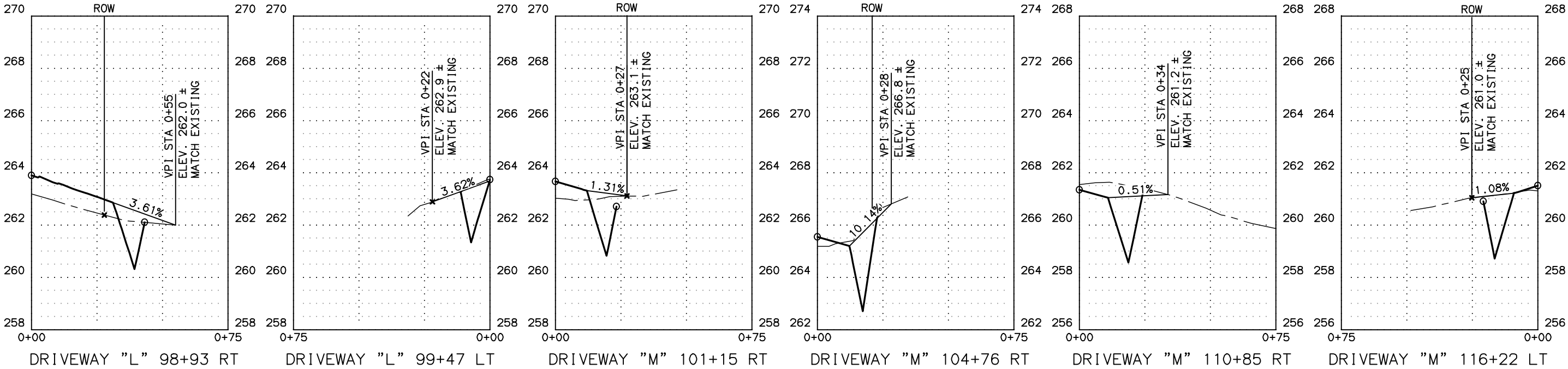
RECONDITIONING
NINE FLOOD DAMAGED ROADS
IN THE CITY OF HOUSTON

DRIVEWAY PROFILES

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FILE T:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 G SHEETS EAST.DWG 4/23/2024 4:45 PM 1" = 20' LAYOUT DESIGNED AGL CHECKED SP DRAFTED AGL

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	XX-XX-XXXX	2024	G6	G12



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REVIEW
4/23/2024

CITY OF HOUSTON

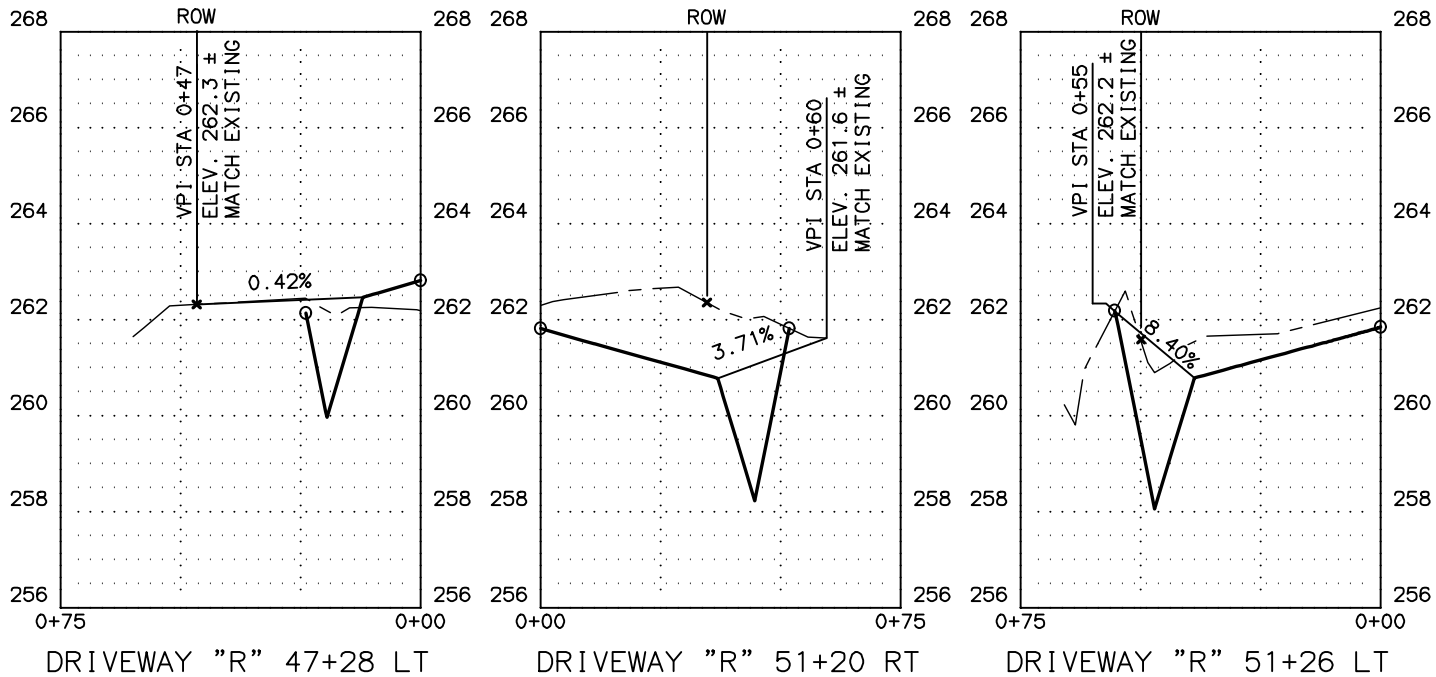
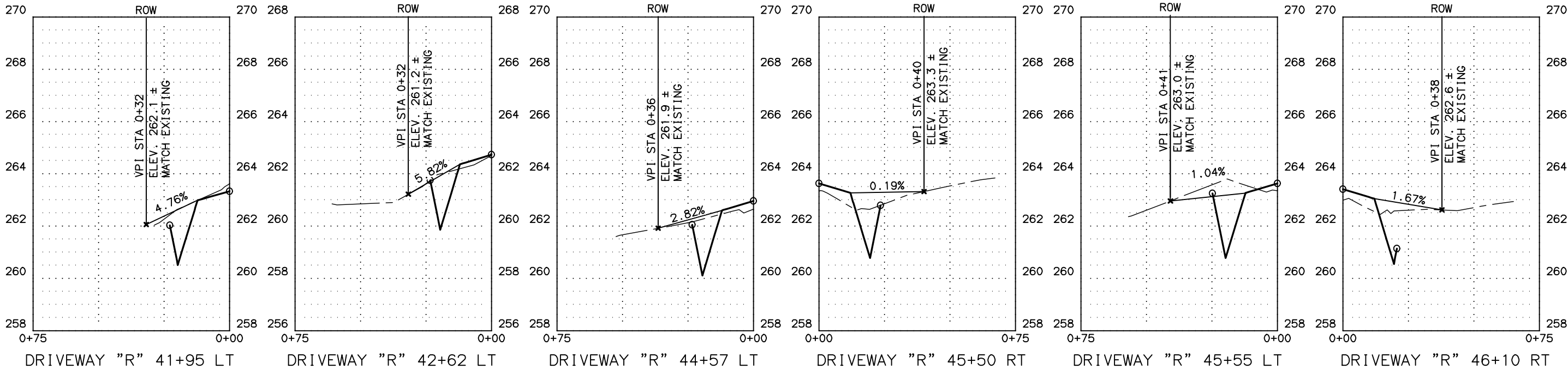
RECONDITIONING
NINE FLOOD DAMAGED ROADS
IN THE CITY OF HOUSTON

DRIVEWAY PROFILES

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FILE T:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 G SHEETS EAST.DWG DATE/TIME 4/23/2024 4:45 PM LAYOUT 1" = 20' DESIGNED AGL CHECKED SP DRAFTED AGL

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	XX-XX-XXXX	2024	G7	G12



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4/23/2024**

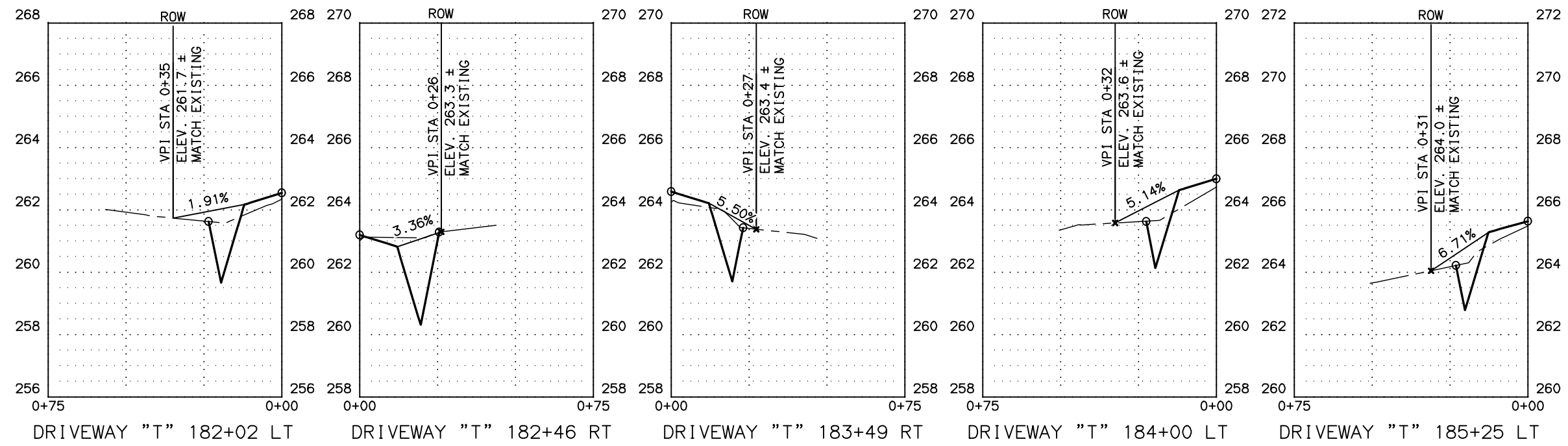
CITY OF HOUSTON
RECONDITIONING
NINE FLOOD DAMAGED ROADS
IN THE CITY OF HOUSTON

DRIVEWAY PROFILES

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FILE T:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 G SHEETS EAST.DWG DATE/TIME 4/23/2024 4:45 PM LAYOUT 1" = 20' DESIGNED AGL CHECKED SP DRAFTED AGL

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	XX-XX-XXXX	2024	G8	G12



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REVIEW
4/23/2024

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CITY OF HOUSTON
RECONDITIONING
NINE FLOOD DAMAGED ROADS
IN THE CITY OF HOUSTON

DRIVEWAY PROFILES

FILE T:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 G CUL-DE-SAC PAYDIRT.DWG

DATE/TIME 4/23/2024 4:45 PM

LAYOUT

DESIGNED

AGL

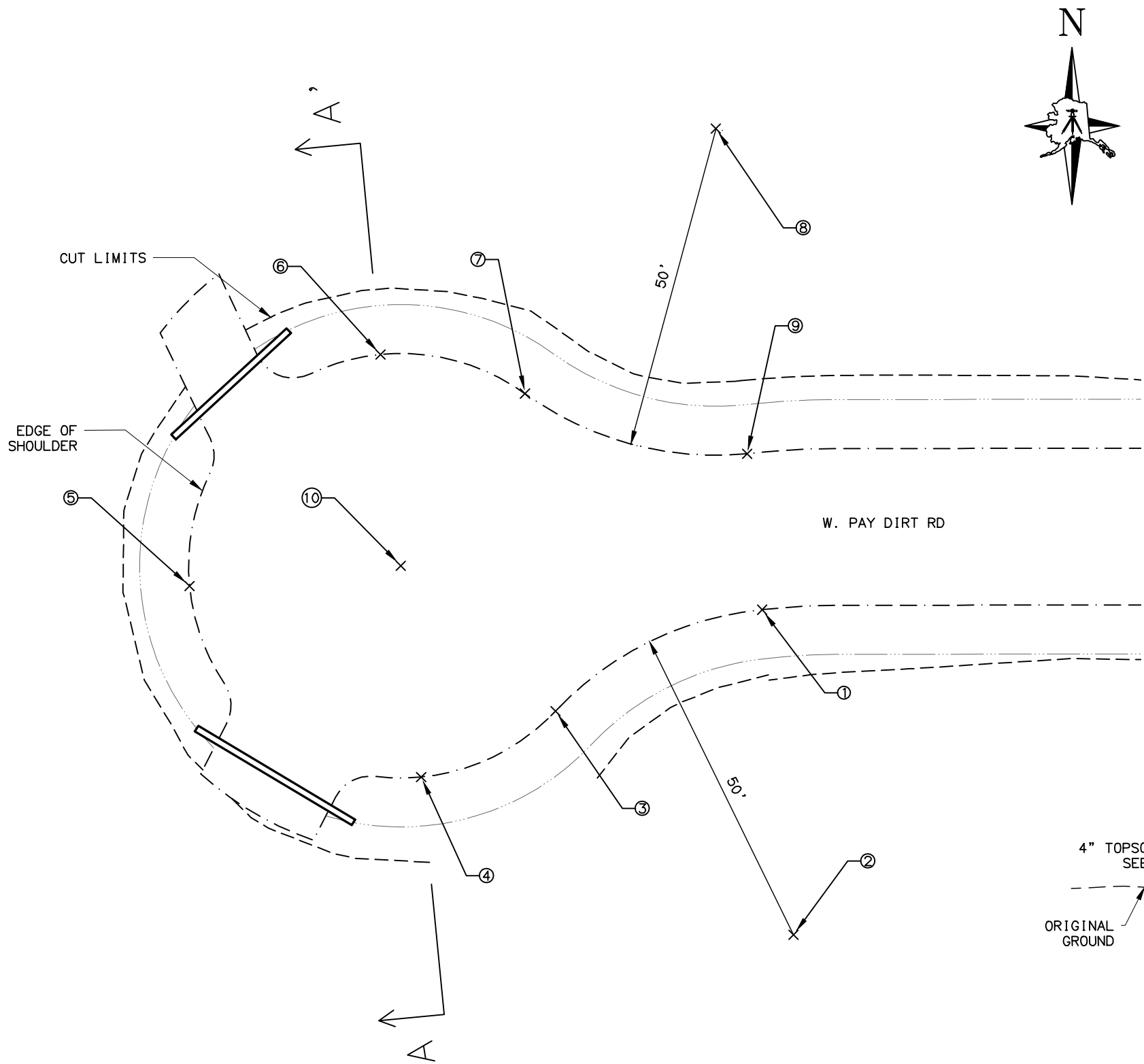
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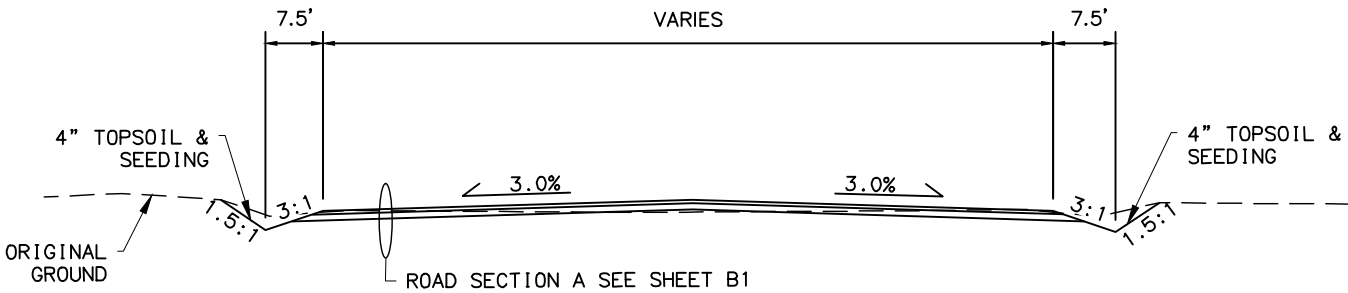
DRAFTED

AGL

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	XX-XX-XXXX	2024	G9	G12



CUL-DE-SAC LAYOUT POINTS				
POINT #	ELEVATION	STATION	OFFSET	REMARKS
1	263.5	11+01.31	12.0 RT	PC
2		11+01.31	62.0 RT	50' RP
3	263.7	10+68.32	24.4 RT	PCC
4	263.9	10+46.88	32.5 RT	POC
5	265.5	10+14.38	0.0 CT	POC
6	263.9	10+46.88	32.5 LT	POC
7	263.7	10+68.32	24.4 LT	PCC
8		11+01.31	62.0 LT	50' RP
9	263.5	11+01.31	12.0 LT	PC
10	264.9	10+46.88	0.0 CT	32.5' RP



SECTION A-A'

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4/23/2024**

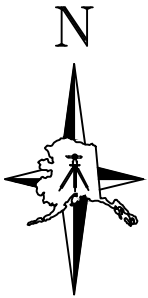
LOUNSBURY & ASSOCIATES, INC.
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WASILLA, ALASKA 99654
(907)357-9132
CERT. OF AUTH. NO. AECC391

CITY OF HOUSTON
**RECONDITIONING
NINE FLOOD DAMAGED ROADS
IN THE CITY OF HOUSTON**

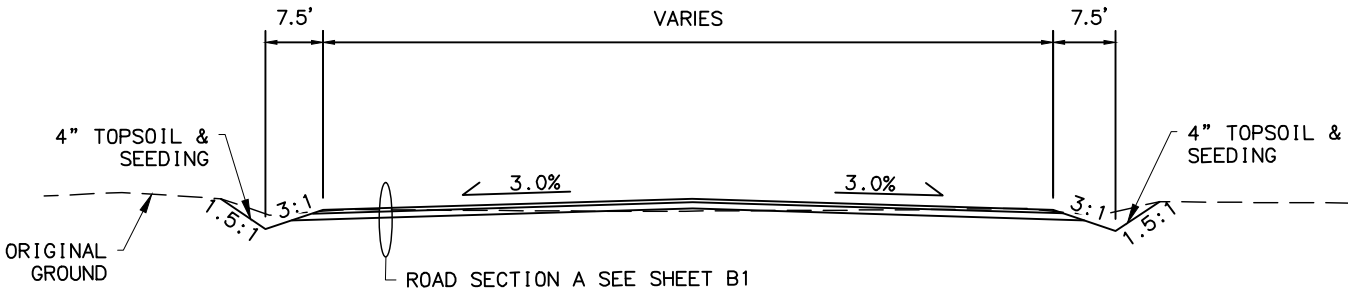
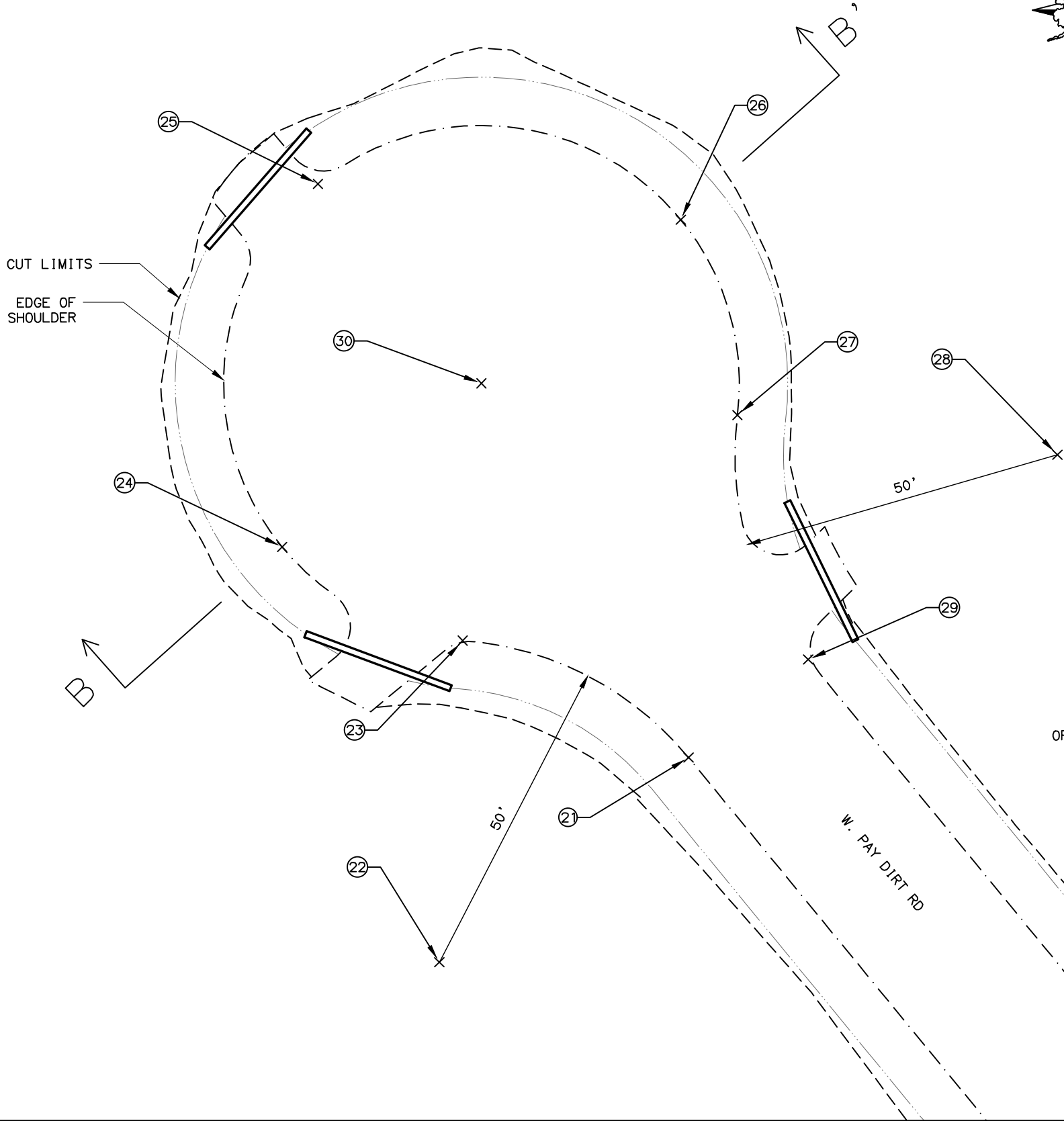
**PAY DIRT RD WEST
CUL-DE-SAC GRADING PLAN**

FILE T:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 G CUL-DE-SAC PAYDIRT.DWG
DATE/TIME 4/23/2024 4:45 PM LAYOUT
DESIGNED AGL
CHECKED JK
DRAFTED AGL

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	XX-XX-XXXX	2024	G10	G12



CUL-DE-SAC LAYOUT POINTS				
POINT #	ELEVATION	STATION	OFFSET	REMARKS
21	260.0	38+15.25	12.0 LT	PC
22		38+15.25	62.0 LT	RP 50'
23	259.8	38+51.50	27.6 LT	PCC
24	259.6	38+80.49	40.0 LT	POC
25	260.2	39+20.49	0.0 CT	POC
26	259.6	38+80.49	40.0 RT	POC
27	259.8	38+51.50	27.6 RT	PCC
28		38+15.25	62.0 RT	RP 50'
29	260.0	38+15.25	12.0 RT	PT
30	260.7	38+80.49	0.0 CT	RP 40'



SECTION B-B'

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REVIEW
4/23/2024**

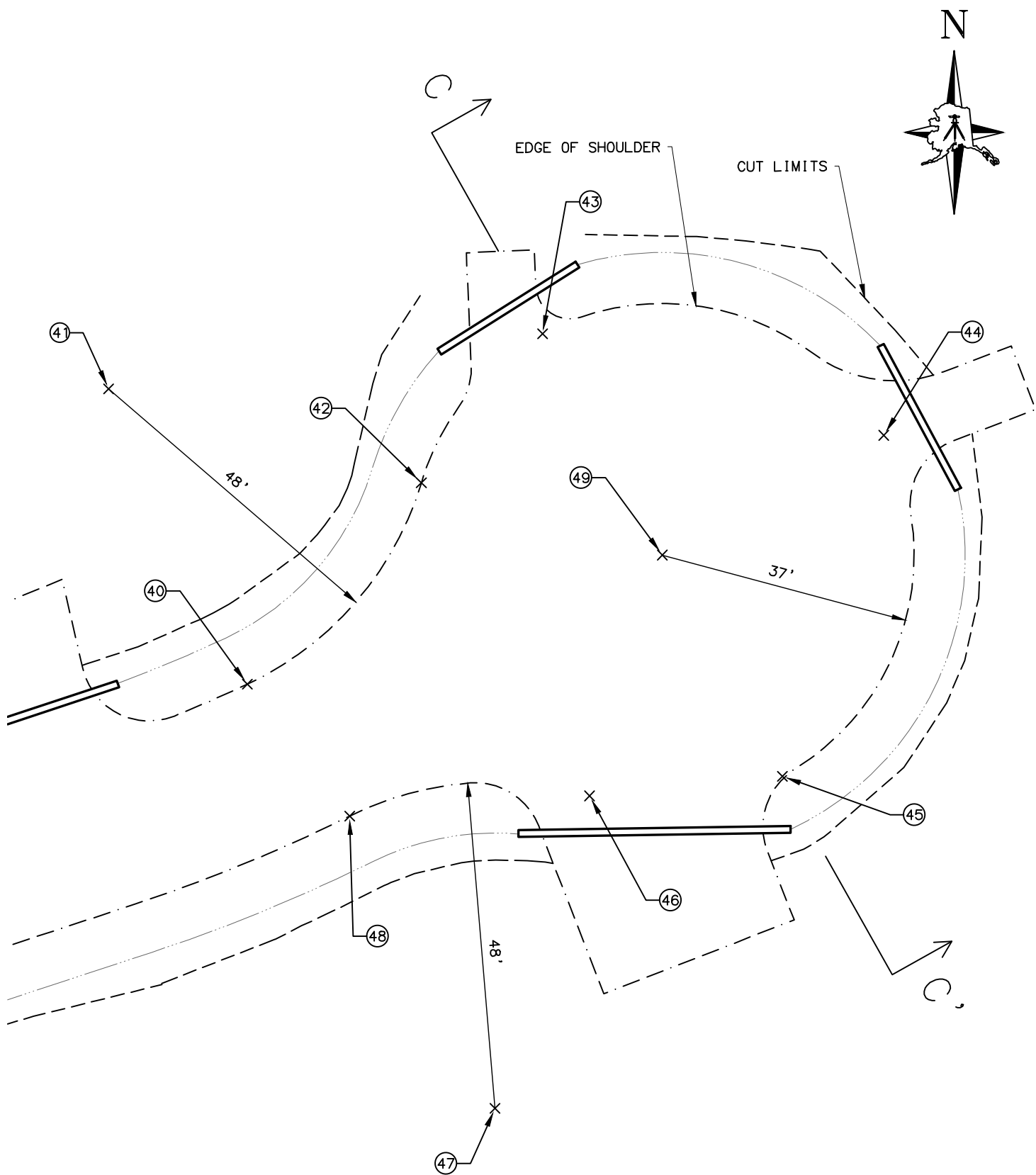
LOUNSBURY & ASSOCIATES, INC.
1175 N. LEATHERLEAF LOOP, STE D
WASILLA, ALASKA 99654
(907)357-9132
CERT. OF AUTH. NO. AECC391

CITY OF HOUSTON
**RECONDITIONING
NINE FLOOD DAMAGED ROADS
IN THE CITY OF HOUSTON**

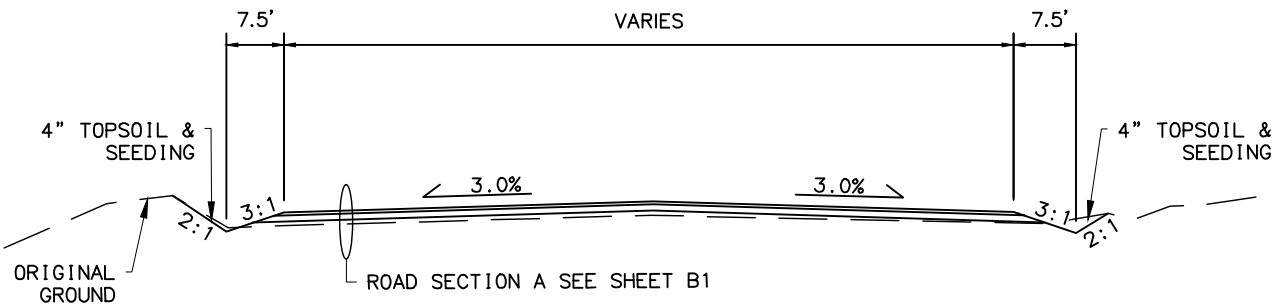
**PAY DIRT RD EAST
CUL-DE-SAC GRADING PLAN**

FILE T:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 G CUL-DE-SAC EAST.DWG 4/23/2024 4:45 PM LAYOUT ----- DESIGNED AGL CHECKED JK DRAFTED AGL

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	XX-XX-XXXX	2024	G11	G12



CUL-DE-SAC LAYOUT POINTS				
POINT #	ELEVATION	STATION	OFFSET	REMARKS
40	263.4	98+46.60	12.0 LT	PC
41		98+46.60	60.0 LT	48' RP
42	263.0	98+83.91	26.2 LT	PRC
43	262.7	99+10.00	37.0 LT	POC
44	263.9	99+47.00	0.0 CT	POC
45	262.7	99+10.00	37.0 RT	POC
46	263.0	98+83.72	26.0 RT	PRC
47		98+51.71	60.0 RT	48' RP
48	263.3	98+51.71	12.0 RT	PT
49	264.1	99+10.00	0.0 CT	37' RP



SECTION C-C'

**100%
REVIEW
4/23/2024**

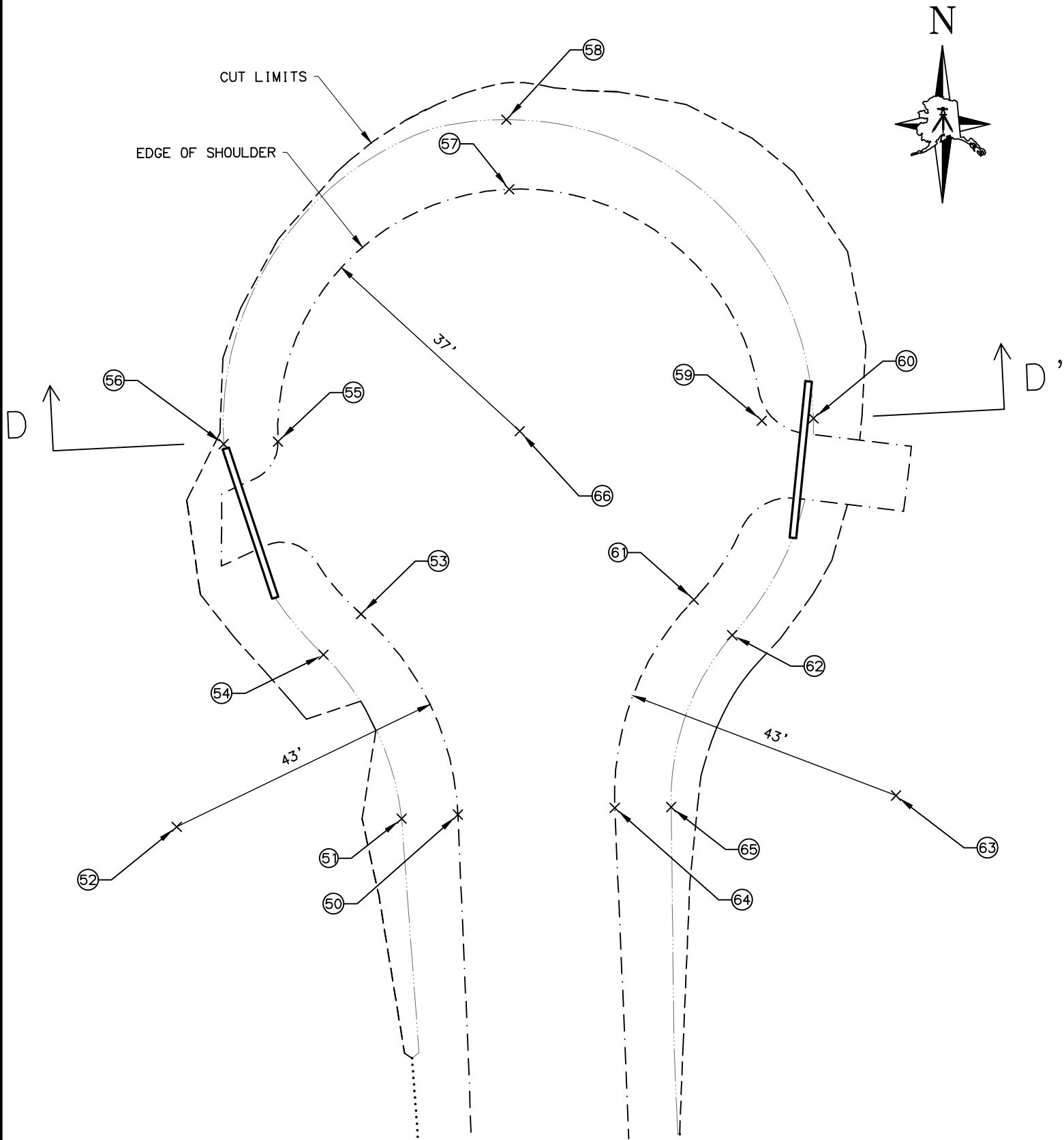
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CITY OF HOUSTON
**RECONDITIONING
NINE FLOOD DAMAGED ROADS
IN THE CITY OF HOUSTON**

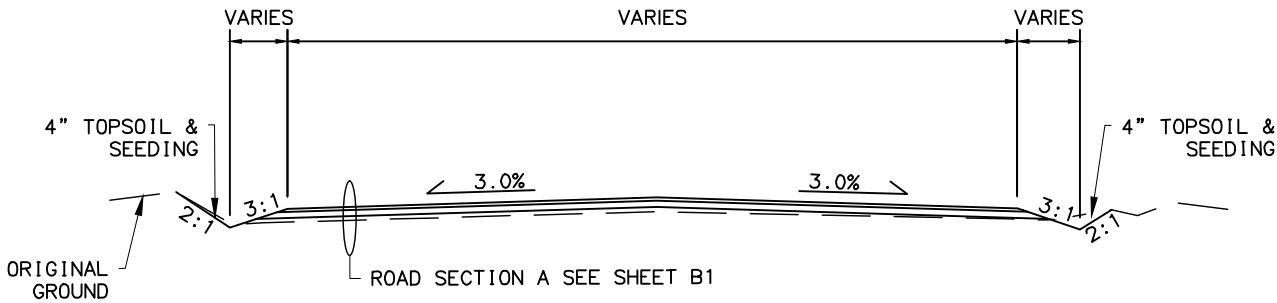
**LITTLE JOHN DR
CUL-DE-SAC GRADING PLAN**

FILE T:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 G CUL-DE-SAC EAST.DWG 4/23/2024 4:45 PM LAYOUT ----- DESIGNED AGL CHECKED JK DRAFTED AGL

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	XX-XX-XXXX	2024	G12	G12



CUL-DE-SAC LAYOUT POINTS				
POINT #	ELEVATION	STATION	OFFSET	REMARKS
50	261.2	50+61.91	12.0 LT	PC
51	258.3	50+61.64	20.6 LT	DITCH PC
52		50+61.91	55.0 LT	43' RP
53	261.0	50+93.13	25.4 LT	PRC
54	258.2	50+87.19	31.5 LT	DITCH PRC
55	260.5	51+20.00	37.0 LT	POC
56	258.1	51+20.00	45.3 LT	DITCH POC
57	262.0	51+57.00	0.0 CT	POC
58	0.0	51+67.66	0.0 CT	DITCH POC
59	260.8	51+20.00	37.0 RT	POC
60	258.3	51+20.00	44.9 RT	DITCH POC
61	261.0	50+93.13	25.4 RT	PRC
62	258.3	50+87.47	31.1 RT	DITCH PRC
63		50+61.91	55.0 RT	43' RP
64	261.2	50+61.91	12.0 RT	PT
65	258.3	50+61.64	20.6 RT	DITCH PT
66	262.1	51+20.00	0.0 CT	37' RP



SECTION D-D'

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CITY OF HOUSTON
**RECONDITIONING
NINE FLOOD DAMAGED ROADS
IN THE CITY OF HOUSTON**

**ROBIN HOOD DR
CUL-DE-SAC GRADING PLAN**

FILE T:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 H1.DWG

DATE/TIME4/23/2024 4:45 PM

LAYOUT----

DESIGNEDAGL

CHECKEDSP

DRAFTEDAGL

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	XX-XX-XXXX	2024	H1	H2

615(1)										
STANDARD SIGN SUMMARY										
SHEET	POST NO.	STATION	OFFSET	TYPE	LEGEND	SIZE (IN)		AREA (SF)	SIGN FACES	REMARKS
						WIDTH	HEIGHT			
F2	1	"P" 19+40	23.0' LT	R1-1		30	30	6.25	N	
				D3-1		36	8	2	N/S	
F4	2	"P" 29+41	34.7' RT	D3-1		36	8	2	E/W	ADD TO EXISTING POST
F6	3	"P" 36+22	20.0' RT	R1-1		30	30	6.25	NE	
				D3-1		36	8	2	NE/SW	
				D3-1		36	8	2	NW/SE	
F7	4	"L" 60+30	28.0' LT	R1-1		30	30	6.25	E	ADD TO EXISTING POST
F8	5	"L" 66+19	28.0' LT	D3-1		48	8	2.67	N/S	ADD TO EXISTING POST
F9	6	"L" 71+55	28.6' LT	D3-1		48	8	2.67	NW/SE	ADD TO EXISTING POST
F10	7	"L" 76+70	23.0' LT	D3-1		48	8	2.67	N/S	
F11	8	"L" 82+70	23.0' LT	D3-1		48	8	2.67	NW/SE	
F17	10	"R" 42+89	36.0' RT	D3-1		48	8	2.67	E/W	ADD TO EXISTING POST
F20	11	"M" 103+01	24.0' LT	R1-1		30	30	6.25	W	
				D3-1		48	8	2.67	E/W	

- SIGN NOTES:**
- THE BOROUGH'S O&M DEPARTMENT IS RESPONSIBLE FOR THE INSTALLATION OF ALL NEW SIGNS, FOR SECTION 615(1)
 - CONTRACTOR SHALL SALVAGE AND RE-INSTALL SIGNS, PER SECTION 615(2)
 - ALL NEW SIGNS SHALL CONFORM TO THE ALASKA TRAFFIC MANUAL AND THE INSTALLATION SHALL CONFORM TO DOT&PF STANDARD DRAWINGS, THE PROJECT PLANS, AND SPECIFICATIONS.

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4/23/2024

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(907)357-9132
CERT. OF AUTH. NO. AECC391

CITY OF HOUSTON
RECONDITIONING
NINE FLOOD DAMAGED ROADS
IN THE CITY OF HOUSTON

SIGN SUMMARY

FILE T:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 H1.DWG

DATE/TIME4/23/2024 4:45 PM

LAYOUT----

DESIGNEDAGL

CHECKEDSP

DRAFTEDAGL

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	XX-XX-XXXX	2024	H2	H2

615(1)										
REMOVE AND RELOCATE EXISTING SIGN										
SHEET	POST NO.	STATION	OFFSET	TYPE	LEGEND	SIZE (IN)		AREA (SF)	SIGN FACES	REMARKS
						WIDTH	HEIGHT			
F2	1	"P" 19+40	23.0' LT	D3-1	N SLUICE BOX DR				E/W	STREET SIGN TO BE RELOCATED TO POST 1
F10	7	"L" 76+70	23.0' LT	R1-1	STOP				N	STOP SIGN AND STREET SIGN TO BE RELOCATED TO POST 7
				D3-1	N FRIAR TUCK DR				E/W	
F11	8	"L" 82+70	23.0' LT	R1-1	STOP				NW	STOP SIGN AND STREET SIGN TO BE RELOCATED TO POST 8
				D3-1	N LONG BOW DR				NE/SW	
F11	9	"L" 83+86	37.0' RT	R1-1	STOP				W	STOP SIGN AND STREET SIGNS TO BE RELOCATED TO POST 9
				D3-1	N NO NAME HILL DR				E/W	
				D3-1	W LITTLE JOHN DR				N/S	
F20	11	"M" 103+01	24.0' LT	D3-1	W MAID MARIAN CIR					STREET SIGN TO BE RELOCATED TO POST 11

- SIGN NOTES:**
- THE BOROUGH'S O&M DEPARTMENT IS RESPONSIBLE FOR THE INSTALLATION OF ALL NEW SIGNS, FOR SECTION 615(1)
 - CONTRACTOR SHALL SALVAGE AND RE-INSTALL SIGNS, PER SECTION 615(2)
 - ALL NEW SIGNS SHALL CONFORM TO THE ALASKA TRAFFIC MANUAL AND THE INSTALLATION SHALL CONFORM TO DOT&PF STANDARD DRAWINGS, THE PROJECT PLANS, AND SPECIFICATIONS.

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4/23/2024

CITY OF HOUSTON
RECONDITIONING
NINE FLOOD DAMAGED ROADS
IN THE CITY OF HOUSTON

SIGN SUMMARY

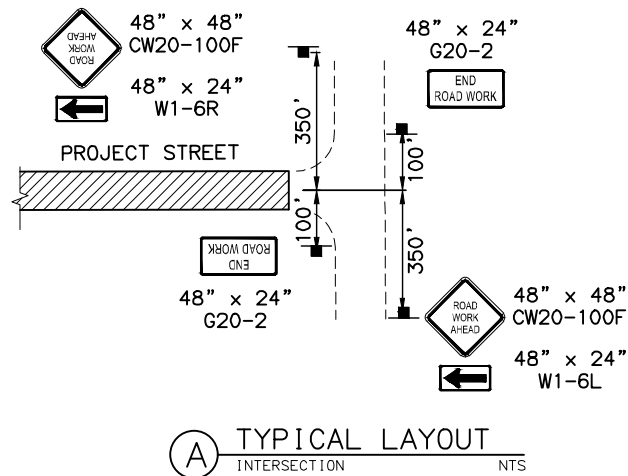
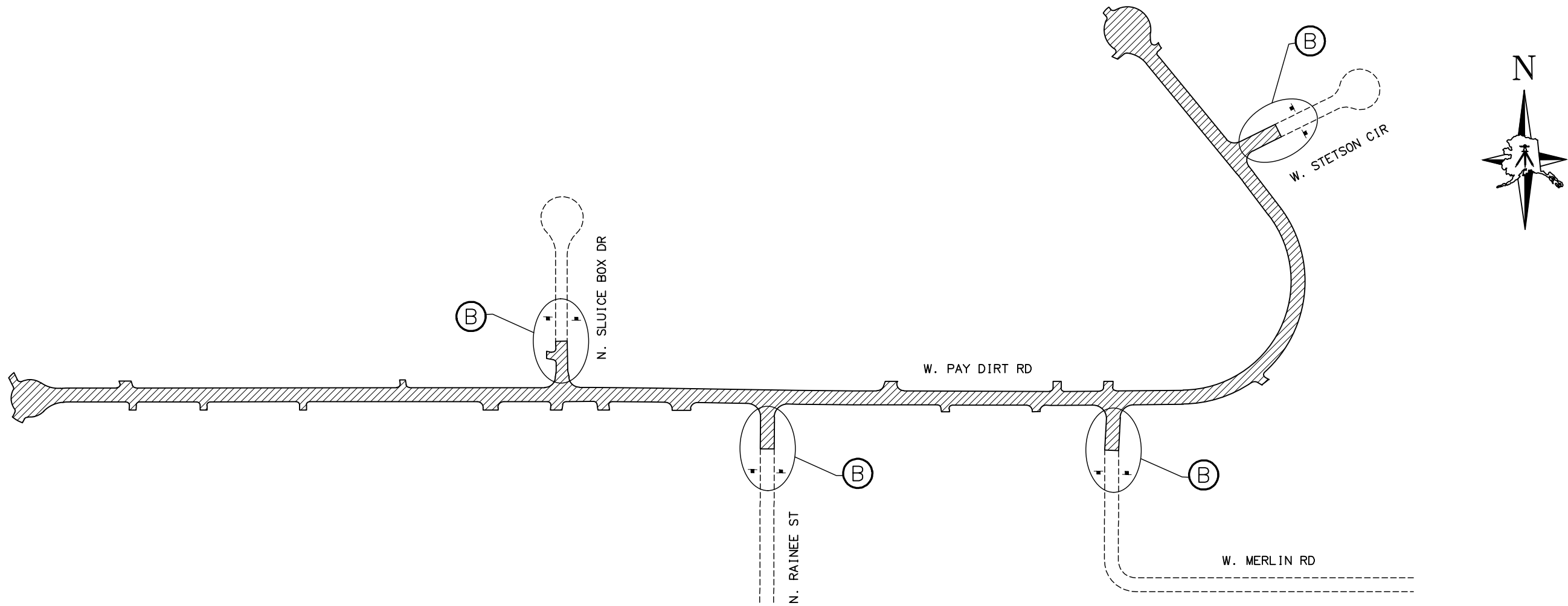
LOUNSBURY & ASSOCIATES, INC.
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WASILLA, ALASKA 99654
(907)357-9132
CERT. OF AUTH. NO. AECC391

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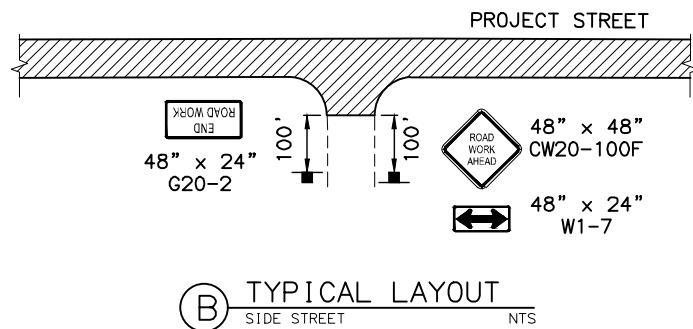
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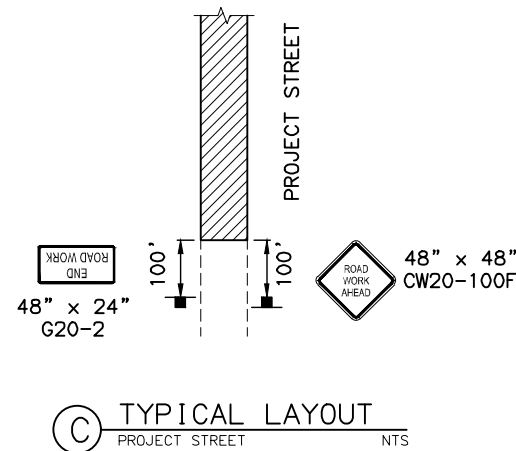
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	XX-XX-XXXX	2024	J1	J2



A TYPICAL LAYOUT
INTERSECTION NTS



B TYPICAL LAYOUT
SIDE STREET NTS



C TYPICAL LAYOUT
PROJECT STREET NTS

TRAFFIC CONTROL NOTES:

1. ALL SIGNS SHALL CONFORM TO THE ALASKA TRAFFIC MANUAL, STANDARD DRAWINGS, PLANS AND SPECIFICATIONS.
2. LOCATION OF SIGNS TO BE APPROVED BY THE BOROUGH'S REPRESENTATIVE.
3. CONTRACTOR SHALL MAINTAIN ALL EXISTING SIGNS WITHIN THE PROJECT AREA. SIGNS SHALL BE CLEAN, ERECT, AND VISIBLE DURING CONSTRUCTION. THE BOROUGH SHALL INSPECT ALL SIGNS AND REPLACE SIGNS WHICH ARE DEFICIENT,
4. CONTRACTOR SHALL MAINTAIN TRAFFIC THROUGH THE PROJECT AREA.

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4/23/2024**

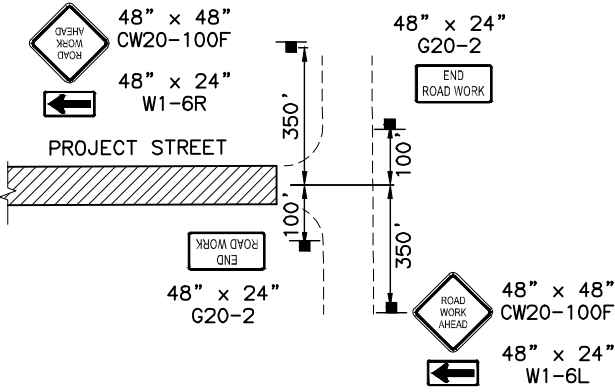
CITY OF HOUSTON
**RECONDITIONING
NINE FLOOD DAMAGED ROADS
IN THE CITY OF HOUSTON**

**TRAFFIC CONTROL PLAN
PAY DIRT RD**

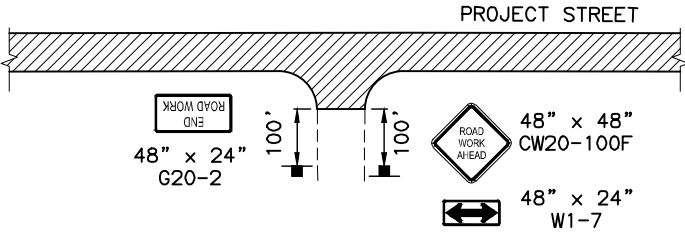
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WASILLA, ALASKA 99654
(907)357-9132
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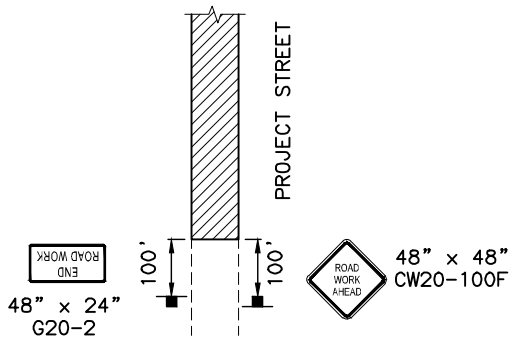
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	XX-XX-XXXX	2024	J2	J2



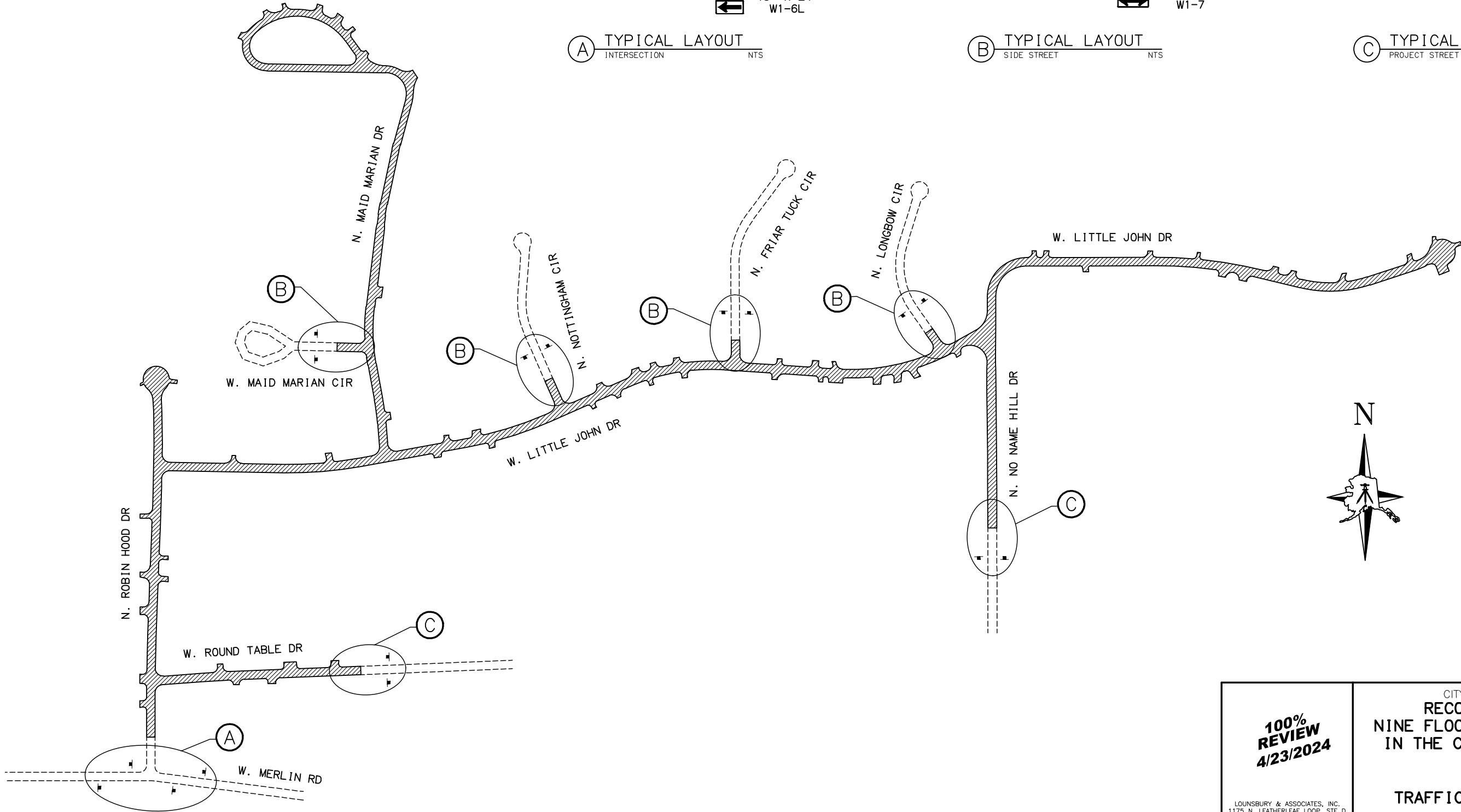
A TYPICAL LAYOUT
INTERSECTION NTS



B TYPICAL LAYOUT
SIDE STREET NTS



C TYPICAL LAYOUT
PROJECT STREET NTS

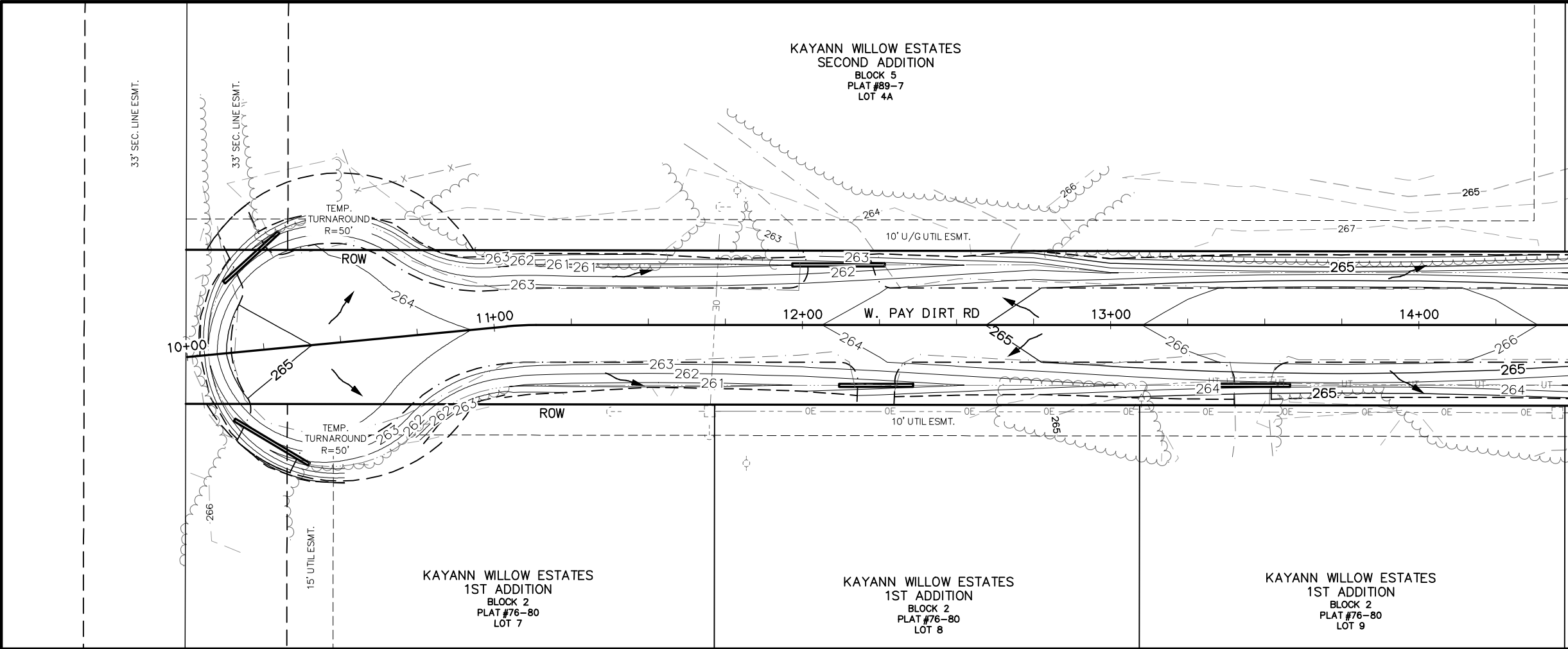


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CITY OF HOUSTON
RECONDITIONING
NINE FLOOD DAMAGED ROADS
IN THE CITY OF HOUSTON

TRAFFIC CONTROL PLAN

LOUNSBURY & ASSOCIATES, INC.
1175 N. LEATHERLEAF LOOP, STE D
WASILLA, ALASKA 99654
(907)357-9132
CERT. OF AUTH. NO. AECC391



MATCH LINE Q2 14+50

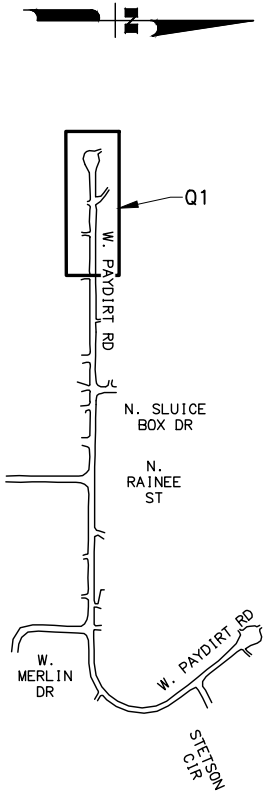
ESCP NOTES:

1. THE CONTRACTOR SHALL DEVELOP A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR THIS PROJECT. THE PLAN SHALL COMPLY TO THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) REQUIREMENTS FOR STORM WATER DISCHARGE FROM CONSTRUCTION SITES. SEE SECTION 641 OF THE SPECIAL PROVISIONS. THE ALASKA SWPPP GUIDE (AS CURRENTLY AMENDED), AND ALL CONDITIONS OF PERMIT APPROVALS.
2. KEEP FREE OF LOOSE MATERIAL PAVED PORTIONS OF THE ROADWAY AND HAUL ROUTES OPEN TO THE PUBLIC, INCLUDING SECTIONS OF THE ROADWAY OFF THE PROJECT WHERE THE CONTRACTOR'S OPERATIONS HAVE INGRESS AND EGRESS. REFER TO SECTION 643 FOR THE PROJECT SPECIFICATION.
3. CONTRACTOR SHALL DOCUMENT ALL TEMPORARY STABILIZATION.
4. MINIMIZE THE AREA AND TIME PERIOD ERODIBLE SOIL IS EXPOSED TO STORM WATER. DISTURBED AREAS SHALL BE STABILIZED AS SOON AS PRACTICABLE.
5. THE SEDIMENT CONTROL DEVICES PROVIDED IN THE PLANS ARE APPROVED FOR USE IN THIS PROJECT. THE CONTRACTOR MAY USE OTHER DEVICES WITH APPROVAL FROM THE BOROUGH REPRESENTATIVE. THE PAYMENT FOR USE OF THESE DEVICES AND ANY OTHER APPROVED DEVICES IS CONSIDERED INCIDENTAL TO PAY ITEM 641(3) TEMPORARY EROSION AND POLLUTION CONTROL.
6. SEDIMENT CONTROL DEVICES SHALL BE INSTALLED BEFORE ERODIBLE SOIL IS EXPOSED AND MAY HAVE TO BE REMOVED AND REINSTALLED DAILY TO ALLOW CONSTRUCTION ACTIVITIES TO PROCEED. ALL DEVICES SHALL BE MAINTAINED ON A DAILY BASIS INCLUDING, BUT NOT LIMITED TO, REMOVAL AND DISPOSAL OF ACCUMULATED SOIL, CLEANING DEVICES AND REPLACEMENT OF DAMAGED DEVICES.
7. THE CONTRACTOR SHALL MAINTAIN DEVICES AND CORRECT ANY PROBLEMS OCCURRING DUE TO INADEQUATE PROTECTION MEASURES. INSPECT AND REPAIR DEVICES AFTER EACH RAINFALL. REMOVE AND DISPOSE OF SEDIMENT CONTROL DEVICES AFTER STABILIZATION OF SLOPES. EROSION AND SEDIMENT CONTROL SHALL BE INSPECTED BY CONTRACTOR EVERY 7 DAYS OR WITHIN 24 HOURS OF A RAIN EVENT THAT EXCEEDS 0.5 INCHES. CONTRACTOR SHALL RECORD ALL RAINFALL EVENTS AND KEEP RECORDS ON SITE.
8. ONLY WATER, OR NON-TOXIC DUST PALLIATIVES SHALL BE USED TO CONTROL DUST.
9. PROVIDE EROSION CONTROL MATTING OR OTHER BMPs ON ALL SLOPES WHERE IMMEDIATE SEEDING IS NOT PRACTICAL.
10. AREA OF DISTURBANCE IS APPROXIMATELY 85.8 ACRES, THIS SHOULD BE USED FOR SWPPP PREPARATION. THE AREA OF DISTURBANCE INCLUDES THE EXISTING ROADWAY.

LEGEND



DRAINAGE PATHWAY



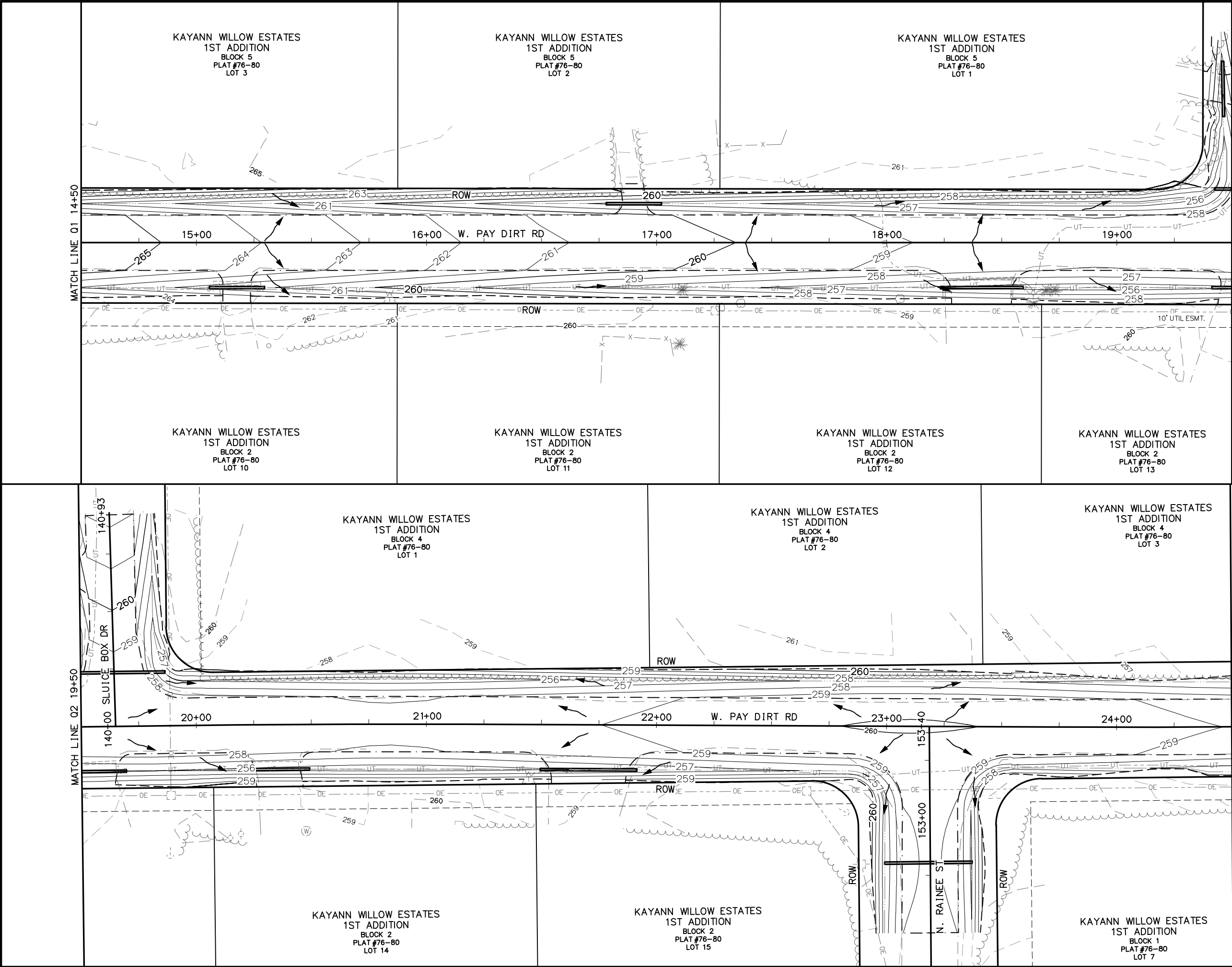
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CITY OF HOUSTON
RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON
EROSION AND SEDIMENT
CONTROL PLAN

W. PAY DIRT ROAD
BOP TO STA. 14+50

FILE I:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037-Q1.DWG DATE/TIME 4/23/2024 4:46 PM LAYOUT 1" = 20' DESIGNED AGL CHECKED SP DRAFTED AGL



SHEET NO.	TOTAL SHEETS
Q2	Q14
STATE	YEAR
ALASKA	2024
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XX-XX-XXXX	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

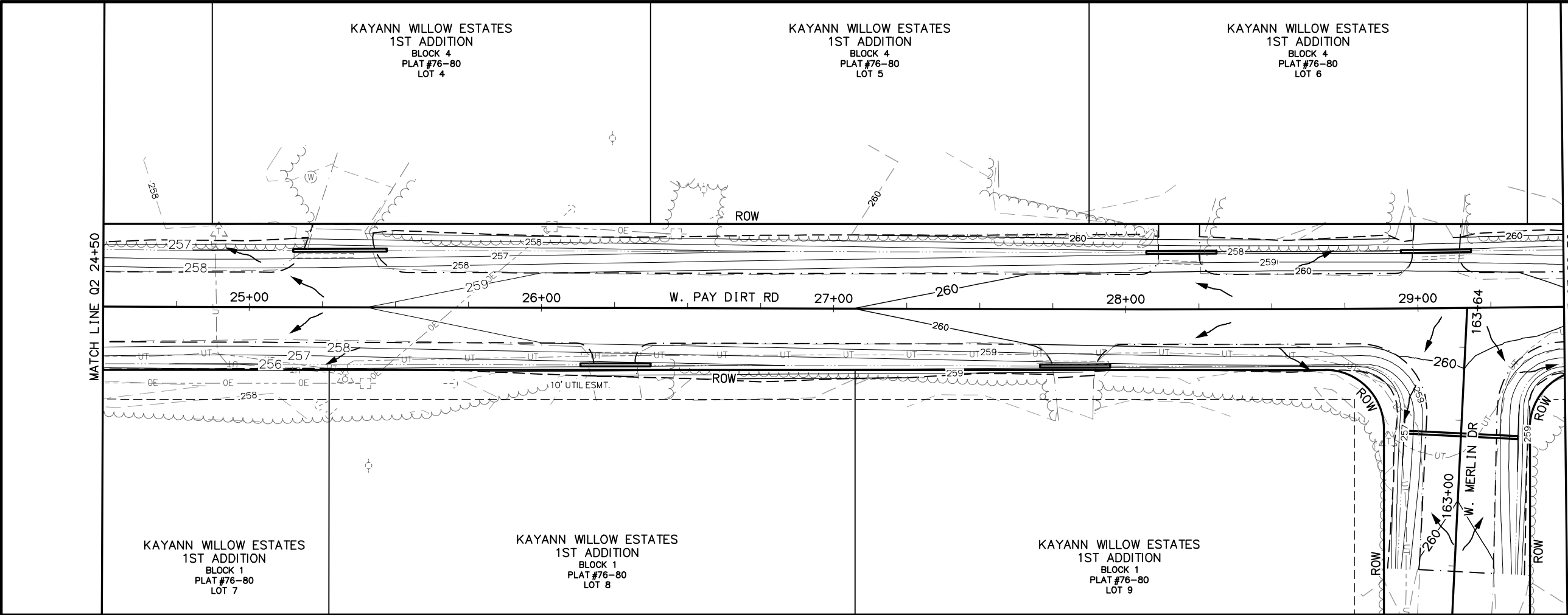
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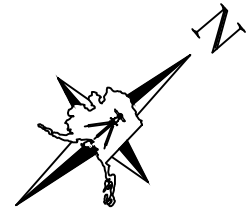
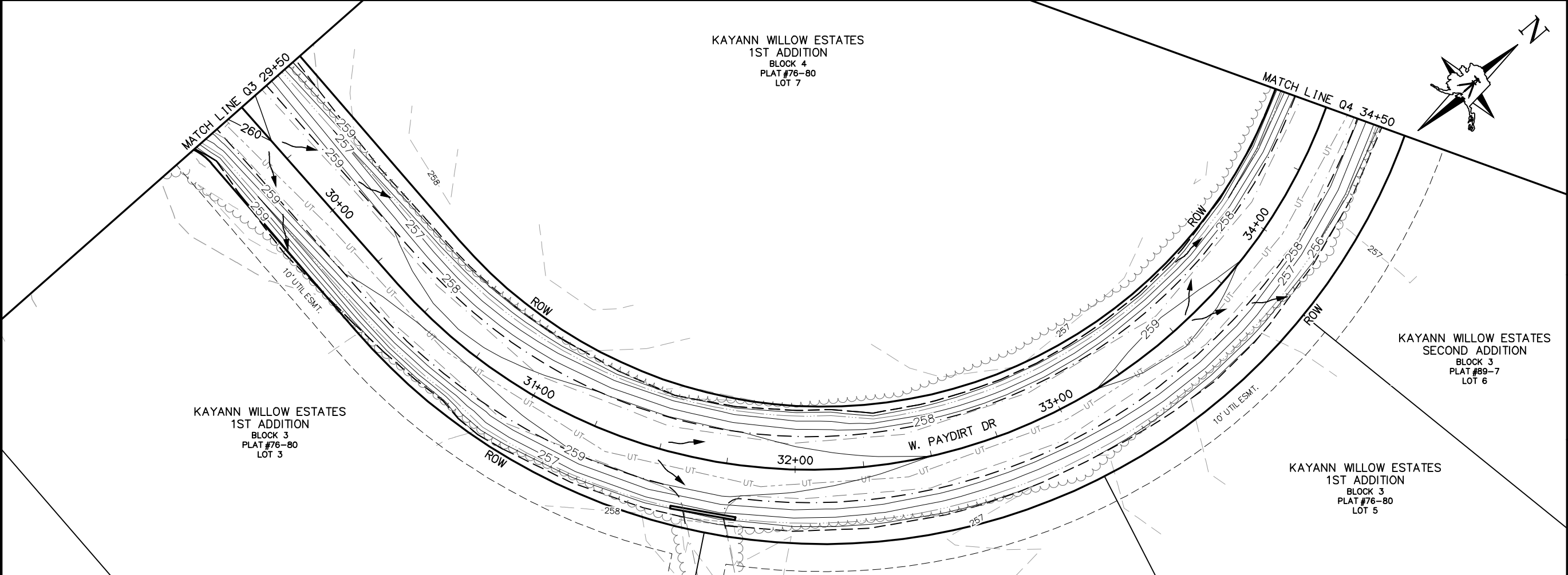
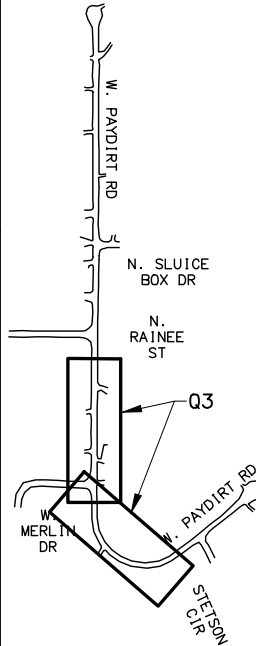
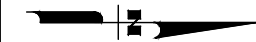
CITY OF HOUSTON
RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON

EROSION AND SEDIMENT
CONTROL PLAN
W. PAY DIRT ROAD
STA. 14+50 TO
STA. 24+50

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SHEET NO.	TOTAL SHEETS
Q3	Q14
STATE	YEAR
ALASKA	2024
PROJECT DESIGNATION	
XX-XX-XXXX	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



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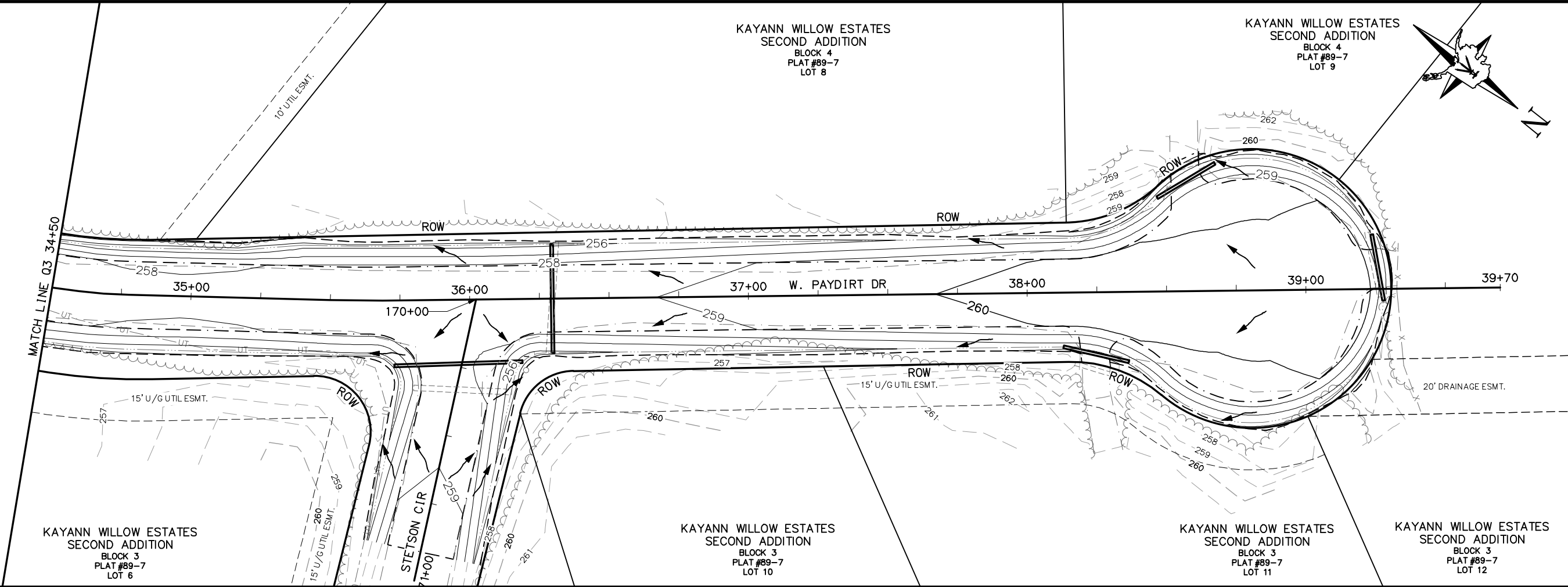
CITY OF HOUSTON
RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON

EROSION AND SEDIMENT
CONTROL PLAN
W. PAY DIRT ROAD
STA. 24+50 TO
STA. 34+50

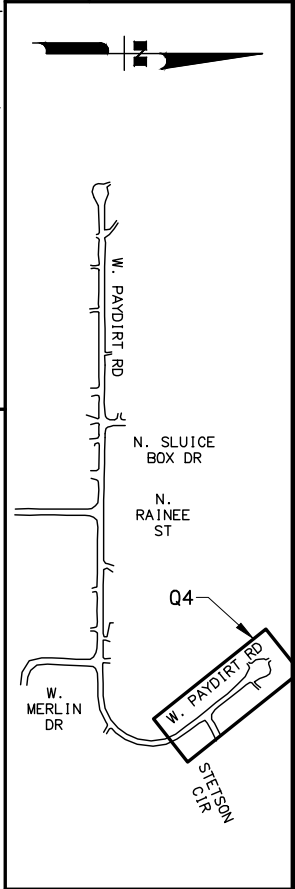
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DESIGNED AGL CHECKED SP DRAFTED AGL



SHEET NO.	TOTAL SHEETS
Q4	Q14
STATE	YEAR
ALASKA	2024
PROJECT DESIGNATION	
XX-XX-XXXX	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



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4/23/2024

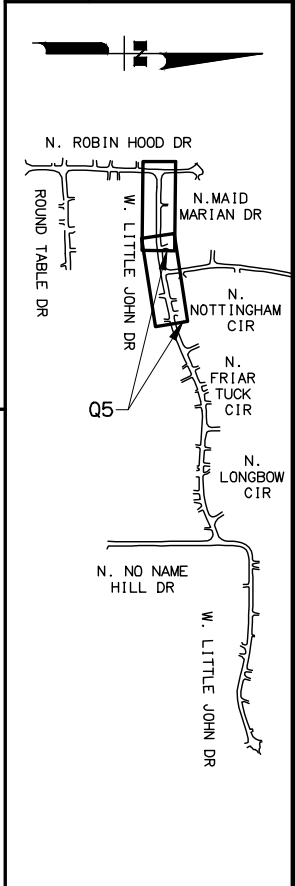
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CITY OF HOUSTON
RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON

EROSION AND SEDIMENT
CONTROL PLAN
W. PAY DIRT ROAD
STA. 34+50 TO
EOP



SHEET NO.	TOTAL SHEETS
Q5	Q14
STATE	YEAR
ALASKA	2024
PROJECT DESIGNATION	
XX-XX-XXXX	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



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4/23/2024**

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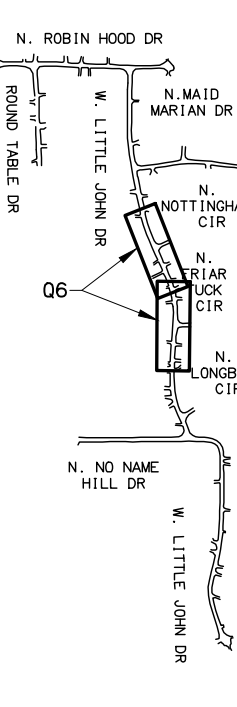
CITY OF HOUSTON
RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON

EROSION AND SEDIMENT
CONTROL PLAN

W. LITTLE JOHN DRIVE
BOP TO STA. 69+50

SHEET NO.		TOTAL SHEETS	
Q6		Q14	
STATE		YEAR	
ALASKA		2024	
PROJECT DESIGNATION			
XX-XX-XXXX			
NO.		REVISION	
DATE			
NO.		REVISION	
DATE			
NO.		REVISION	
DATE			





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4/23/2024**

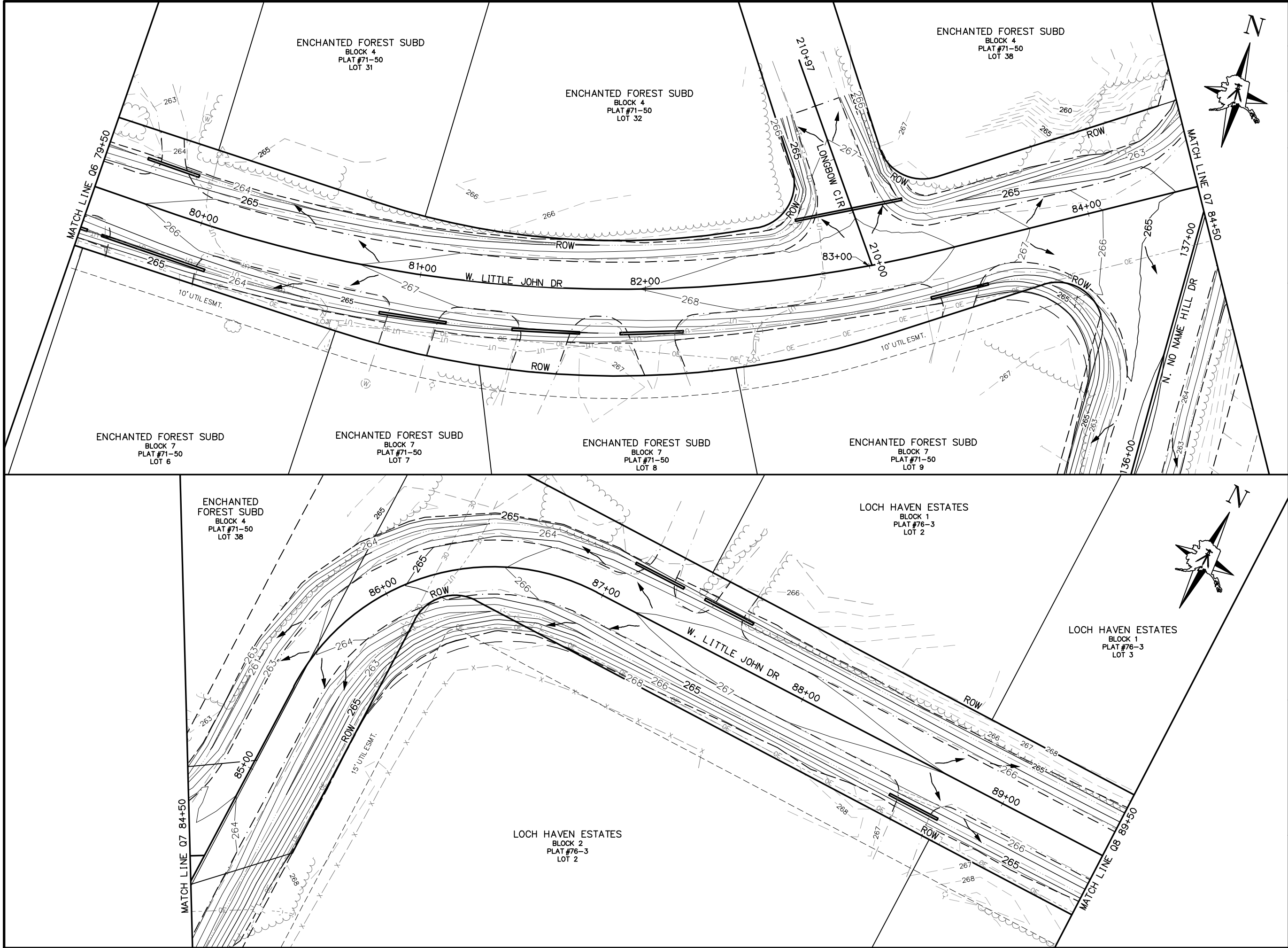
LOUNSBURY & ASSOCIATES, INC.
 1175 LEATHERLEAF LOOP, STE D
 WASILLA, ALASKA 99654
 (907)357-9132
 CERT. OF AUTH. NO. AECC391

CITY OF HOUSTON

**RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON**

**EROSION AND SEDIMENT
CONTROL PLAN**
W. LITTLE JOHN DRIVE
STA. 69+50 TO
STA. 79+50

FILE I:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037-Q1.DWG DATE/TIME 4/23/2024 4:47 PM LAYOUT 1" = 20' DESIGNED AGL CHECKED SP DRAFTED AGL



SHEET NO.		TOTAL SHEETS	
Q7		Q14	
STATE		YEAR	
ALASKA		2024	
PROJECT DESIGNATION			
XX-XX-XXXX			
NO.		REVISION	
DATE			
NO.		REVISION	
DATE			
NO.		REVISION	
DATE			

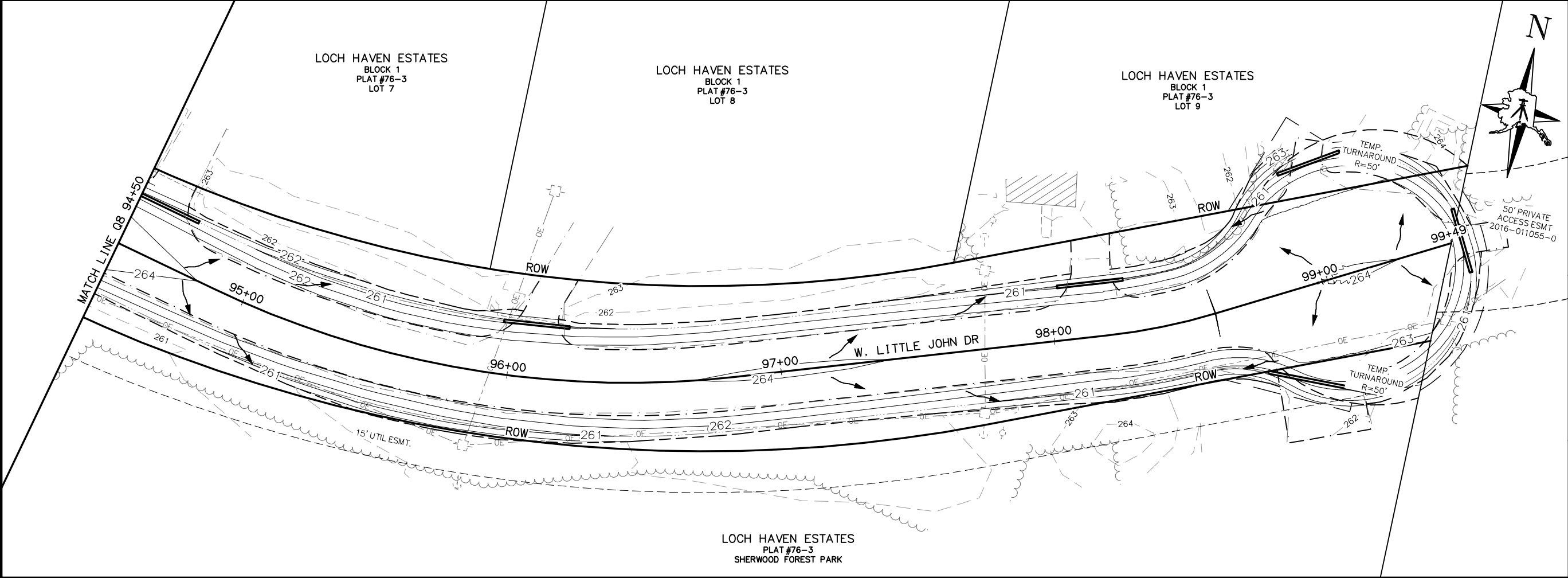
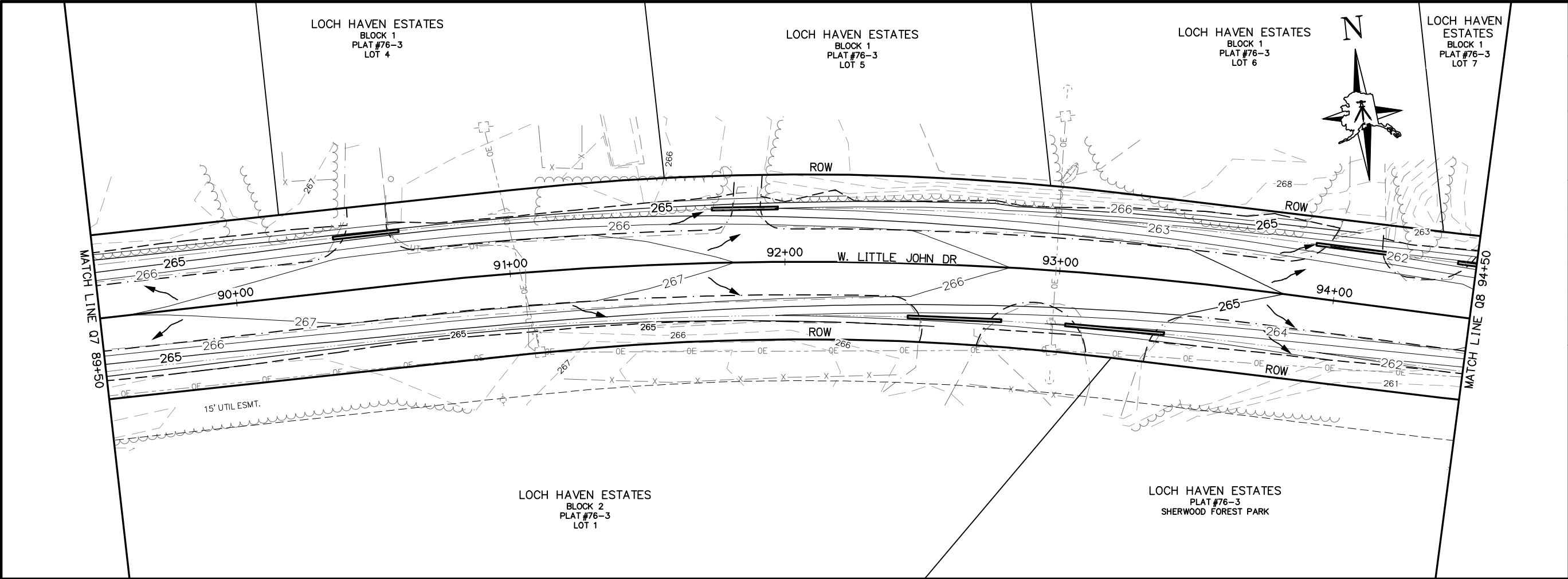
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REVIEW
4/23/2024**

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CITY OF HOUSTON
RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON

EROSION AND SEDIMENT
CONTROL PLAN
W. LITTLE JOHN DRIVE
STA. 79+50 TO
STA. 89+50

FILE T:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 Q1.DWG
DATE/TIME 4/23/2024 4:47 PM LAYOUT 1" = 20' DESIGNED AGL CHECKED SP DRAFTED AGL



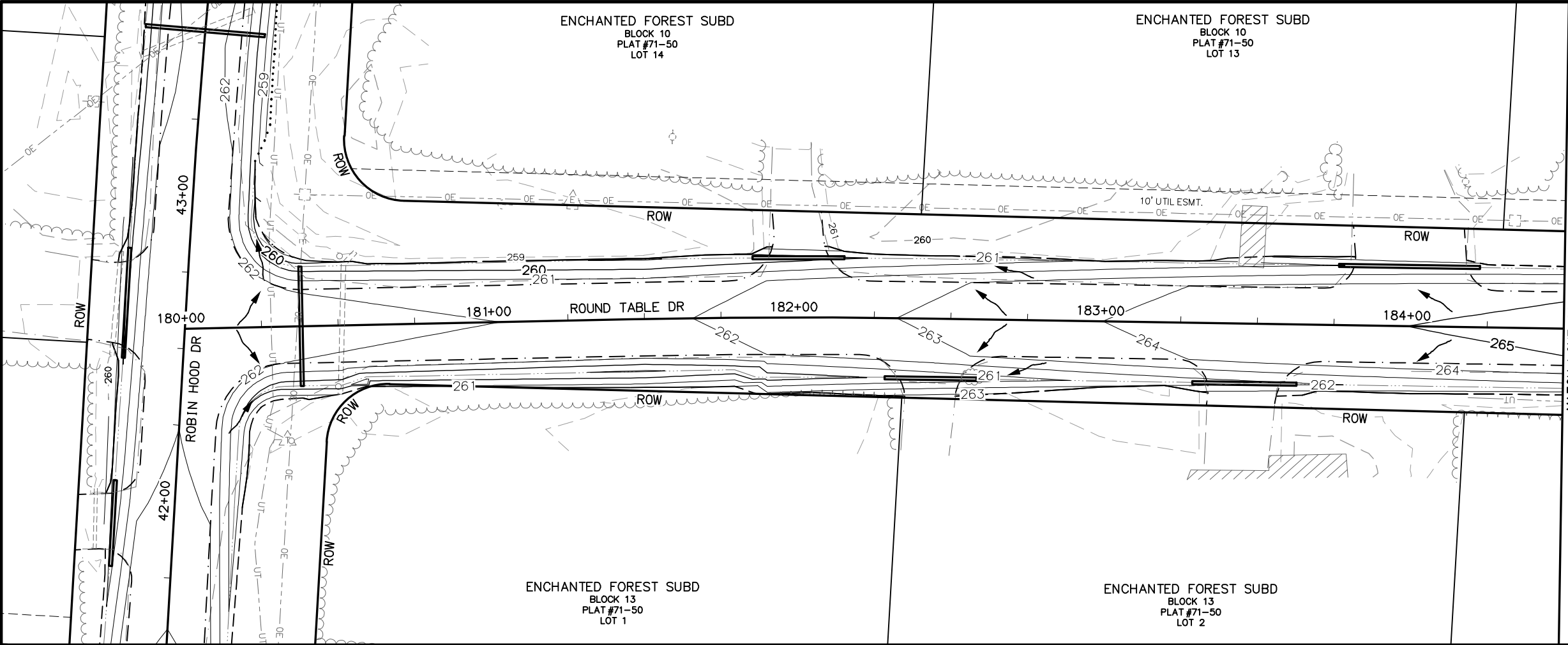
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STATE		YEAR	
ALASKA		2024	
PROJECT DESIGNATION			
XX-XX-XXXX			
NO.		REVISION	
DATE			
NO.		REVISION	
DATE			
NO.		REVISION	
DATE			

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4/23/2024

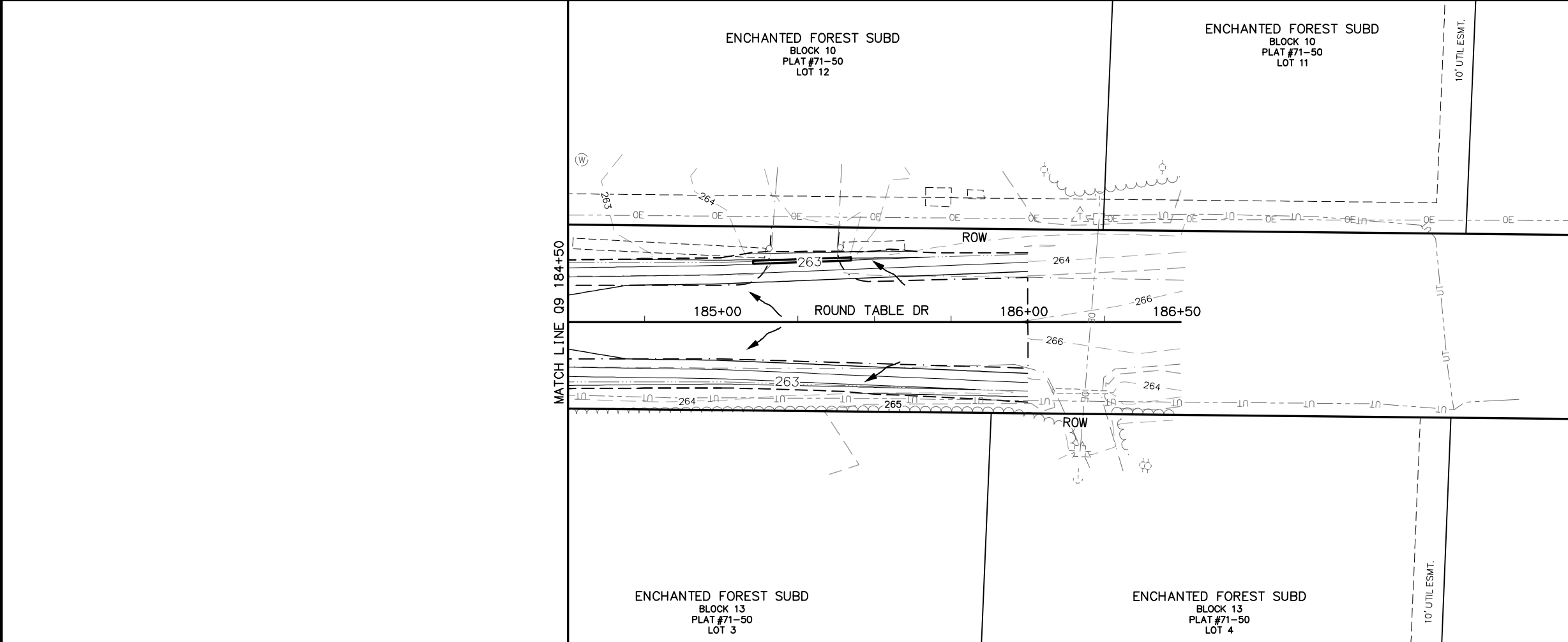
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THE CITY OF HOUSTON

EROSION AND SEDIMENT
CONTROL PLAN
W. LITTLE JOHN DRIVE
STA. 89+50 TO
EOP



MATCH LINE Q9 184+50

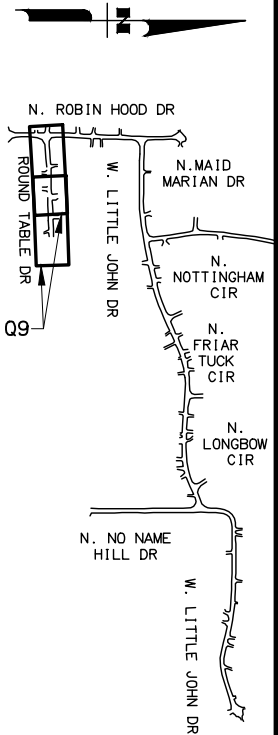


MATCH LINE Q9 184+50

SHEET NO.	TOTAL SHEETS
Q9	Q14
STATE	YEAR
ALASKA	2024

PROJECT DESIGNATION	
XX-XX-XXXX	

NO.	REVISION
DATE	
NO.	REVISION
DATE	



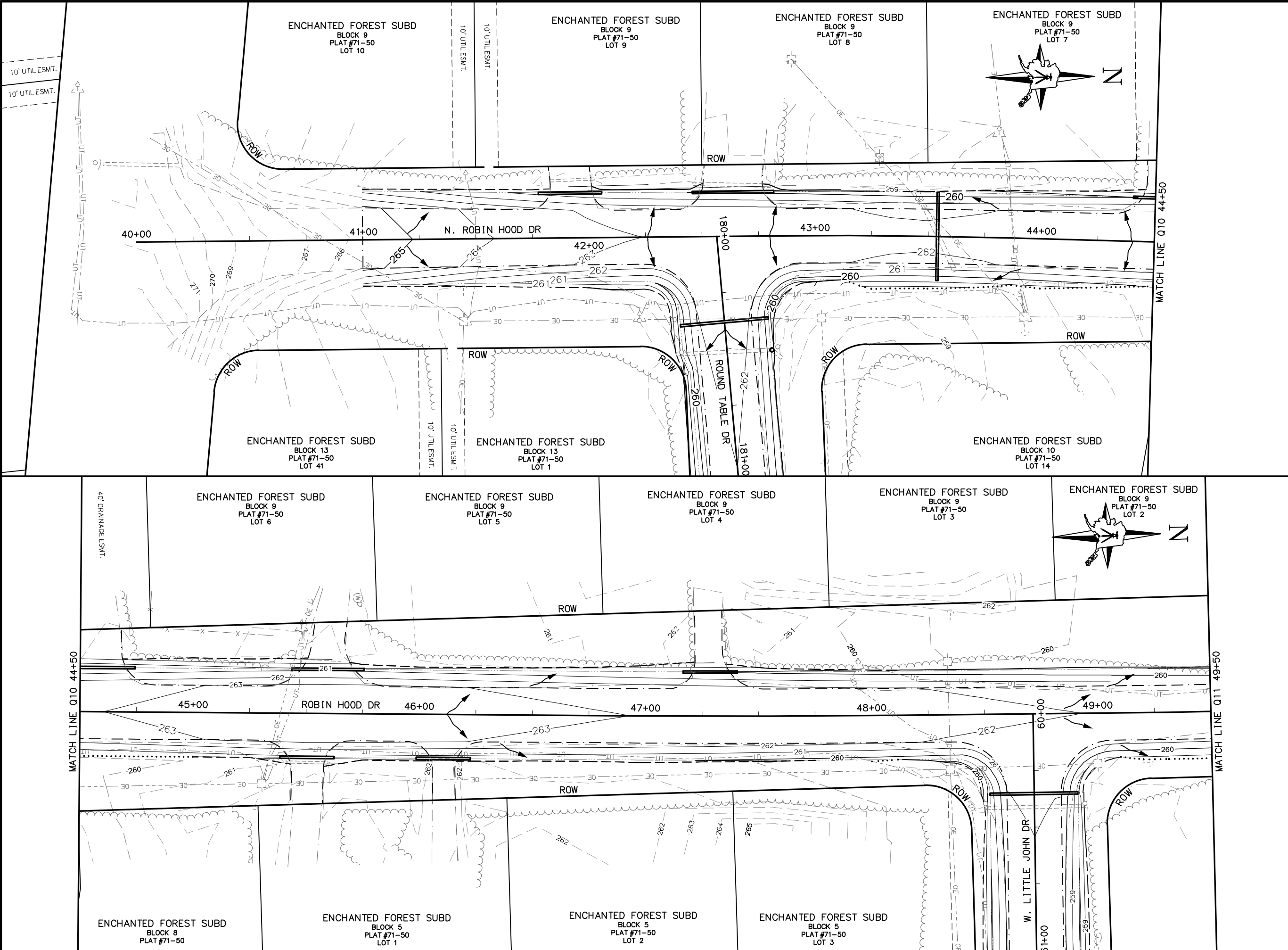
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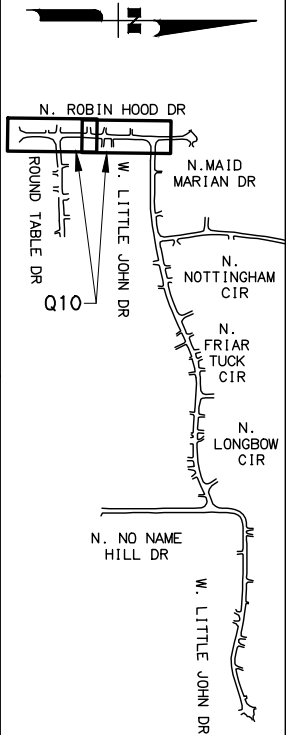
CITY OF HOUSTON
RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON

EROSION AND SEDIMENT
CONTROL PLAN

ROUND TABLE DRIVE
BOP TO EOP



SHEET NO.	TOTAL SHEETS
Q10	Q14
STATE	YEAR
ALASKA	2024
PROJECT DESIGNATION	
XX-XX-XXXX	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



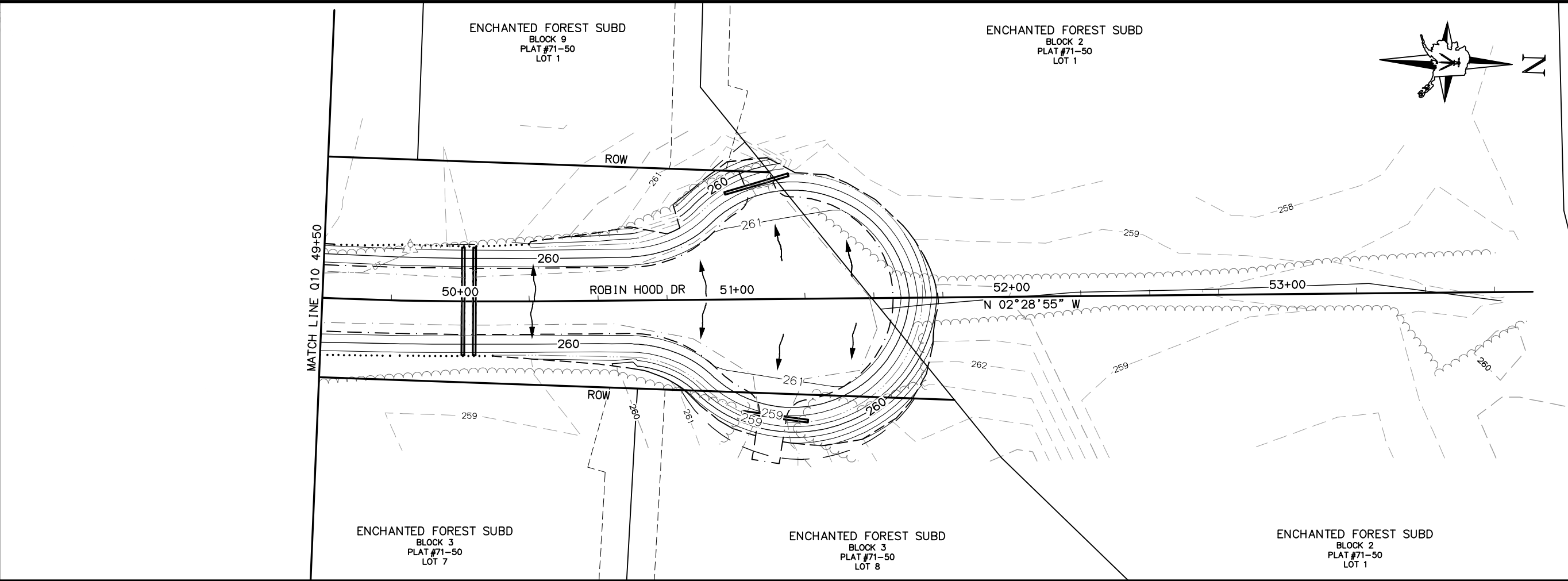
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EROSION AND SEDIMENT
CONTROL PLAN

N. ROBIN HOOD DRIVE
BOP TO STA. 49+50



SHEET NO.		TOTAL SHEETS	
Q11		Q14	
STATE		YEAR	
ALASKA		2024	
PROJECT DESIGNATION			
XX-XX-XXXX			
NO.		REVISION	
DATE			
NO.		REVISION	
DATE			
NO.		REVISION	
DATE			

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REVIEW
4/23/2024

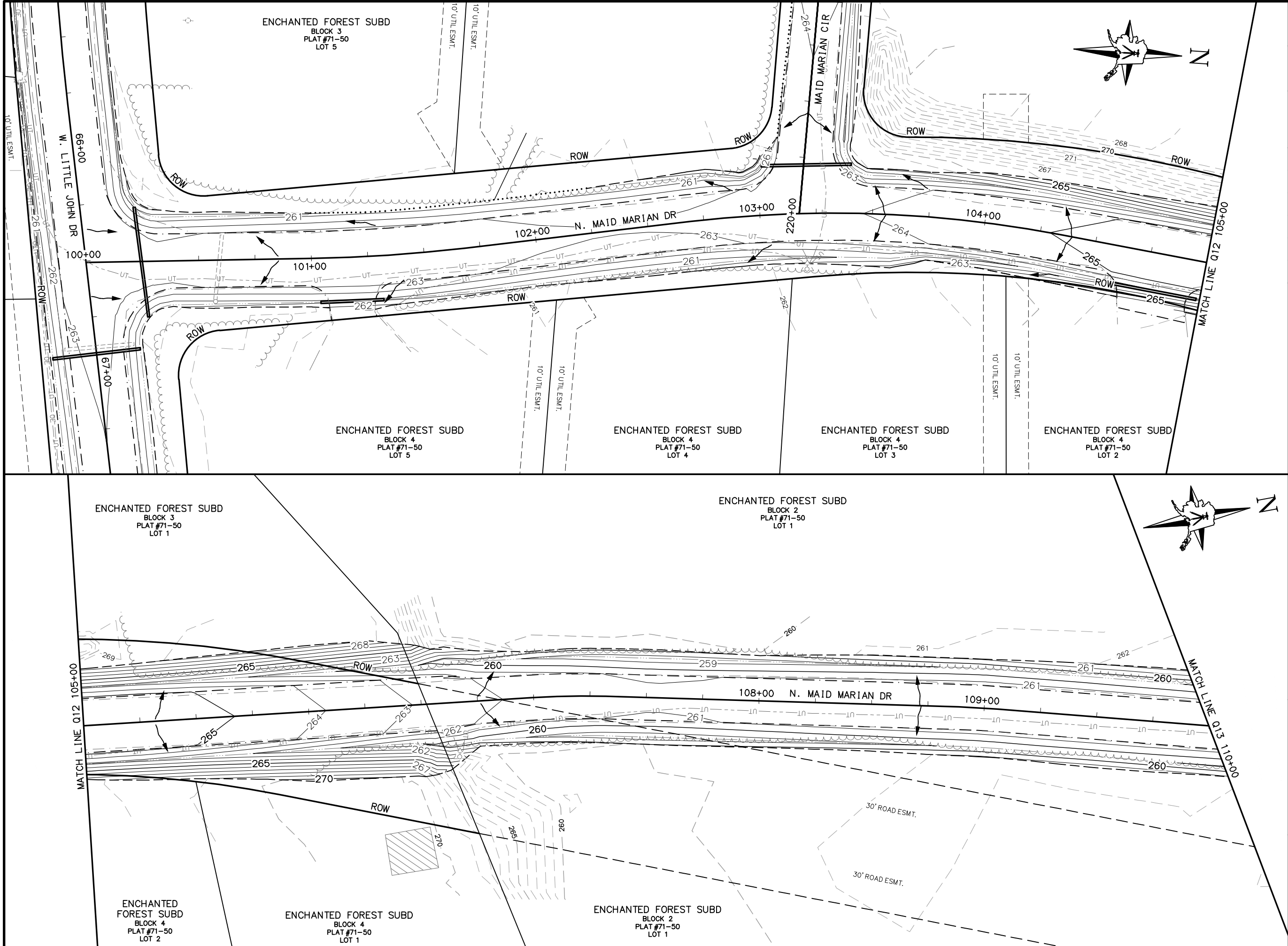
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CITY OF HOUSTON
RECONDITIONING NINE
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THE CITY OF HOUSTON

EROSION AND SEDIMENT
CONTROL PLAN

N. ROBIN HOOD DRIVE
STA 49+50 TO EOP

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SHEET NO.	TOTAL SHEETS
Q12	Q14
STATE	YEAR
ALASKA	2024
PROJECT DESIGNATION	
XX-XX-XXXX	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

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4/23/2024

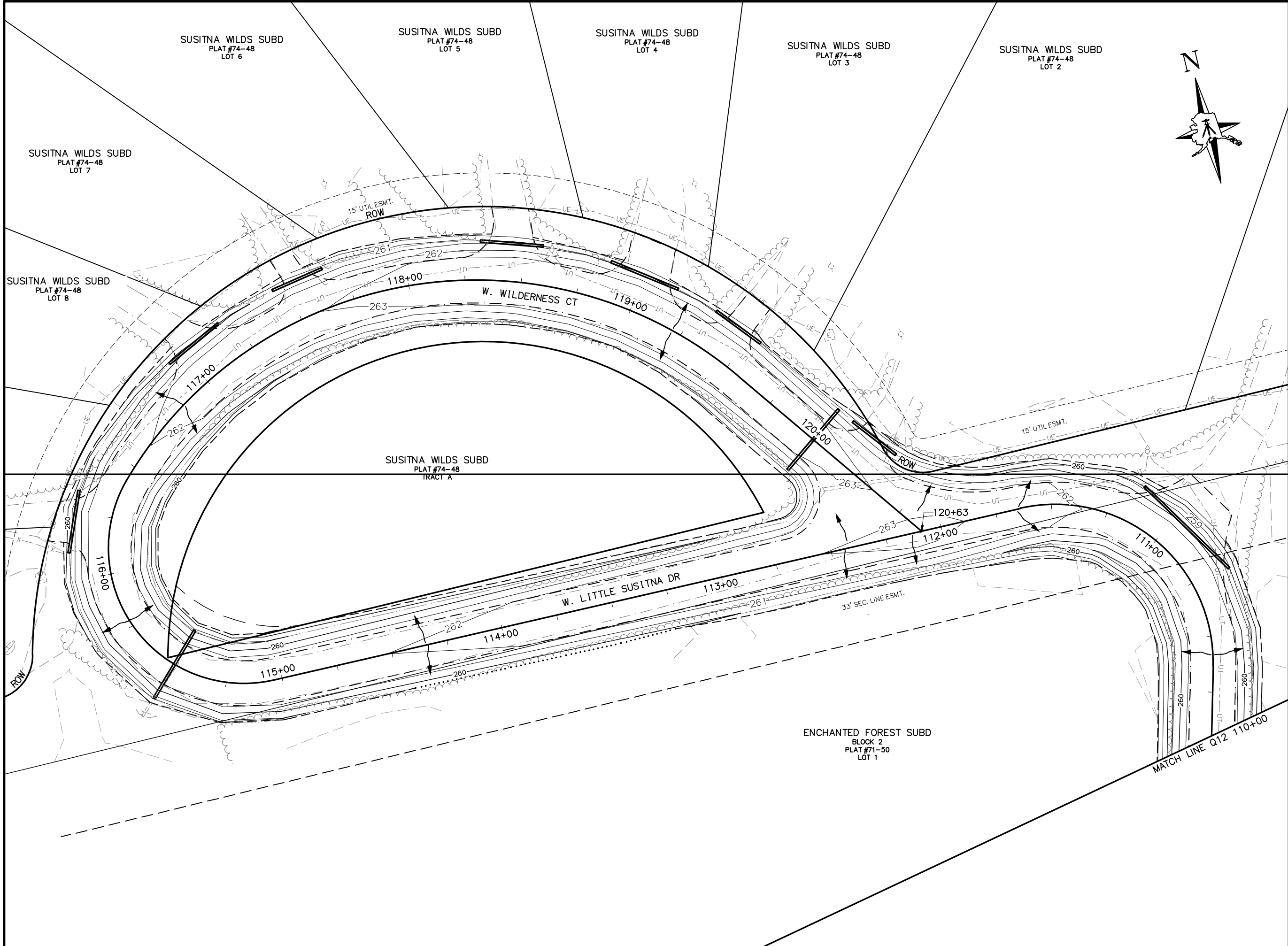
LOUNSBURY & ASSOCIATES, INC.
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WASILLA, ALASKA 99654
(907)357-9132
CERT. OF AUTH. NO. AECC391

CITY OF HOUSTON
RECONDITIONING NINE
FLOOD DAMAGED ROADS IN
THE CITY OF HOUSTON

EROSION AND SEDIMENT
CONTROL PLAN

MAID MARIAN DRIVE
BOP TO STA 110+00

FILE I:\2023\23-037 CITY OF HOUSTON FLOOD REPAIR\ENG\DWGS\PL-23-037 Q2.DWG
DATE/TIME 4/23/2024 4:48 PM LAYOUT 1" = 20'
DESIGNED AGL CHECKED SP DRAFTED AGL



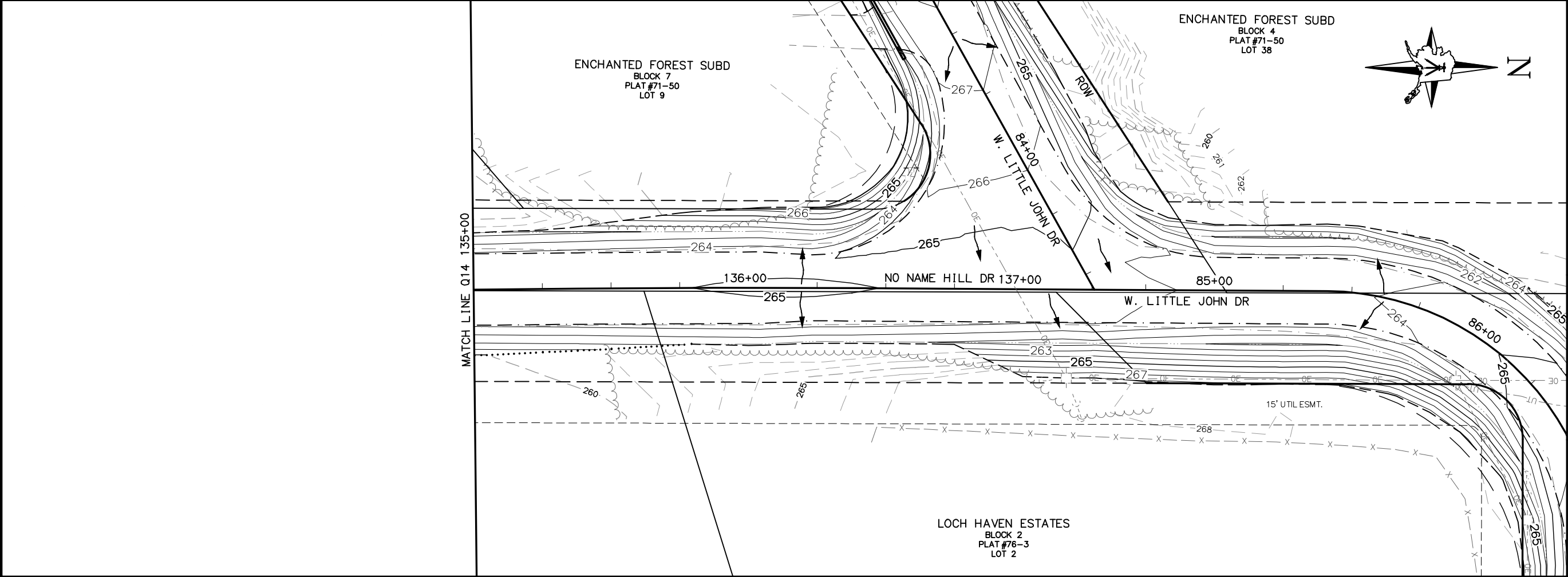
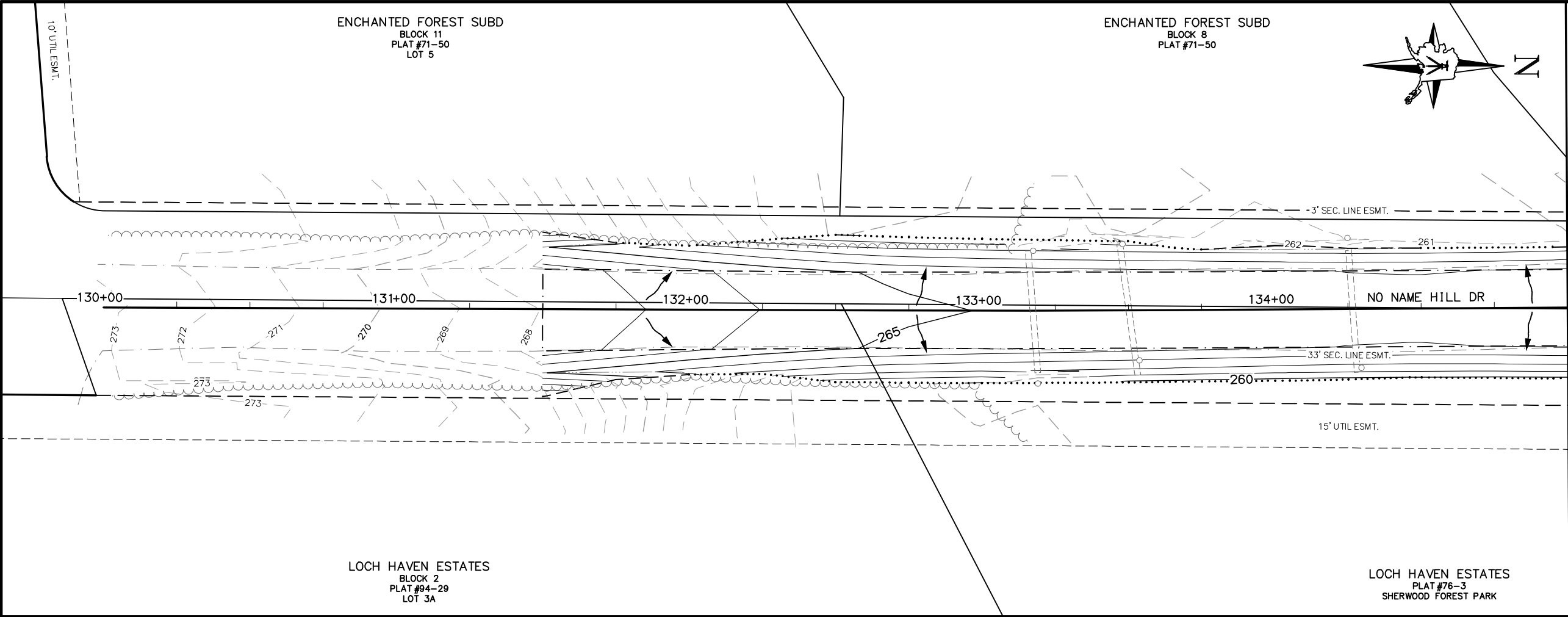
SHEET NO.		TOTAL SHEETS	
Q13		Q14	
STATE		YEAR	
ALASKA		2024	
PROJECT DESIGNATION			
XX-XX-XXXX			
NO.		REVISION	
DATE			
NO.		REVISION	
DATE			
NO.		REVISION	
DATE			

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CITY OF HOUSTON
RECONDITIONING NINE
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THE CITY OF HOUSTON
EROSION AND SEDIMENT
CONTROL PLAN
W. WILDERNESS CT,
W. LITTLE SUSITNA DR,
MAID MARIAN DRIVE
STA. 110+00 TO EOP

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SHEET NO.		TOTAL SHEETS	
Q14		Q14	
STATE		YEAR	
ALASKA		2024	
PROJECT DESIGNATION			
XX-XX-XXXX			
NO.		REVISION	
DATE			
NO.		REVISION	
DATE			
NO.		REVISION	
DATE			

N. ROBIN HOOD DR
ROUND TABLE DR
W. LITTLE JOHN DR
N. MAID MARIAN DR
N. NOTTINGHAM CIR
N. FRIAR TUCK CIR
N. LONGBOW CIR
Q14
N. NO NAME HILL DR
W. LITTLE JOHN DR

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N. NO NAME HILL DRIVE
BOP TO EOP