



ANGELINA COUNTY

DESIGN PLANS FOR

PLANING AND RESURFACING OF CHIMNEY ROCK STREET IDLEWOOD SUBDIVISION, LUFKIN, TEXAS



STATE OF TEXAS
RAYMOND P. JAAP
57275
REGISTERED
PROFESSIONAL ENGINEER
Raymond P. Jaap, P.E.
8-17-2026

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DESCRIPTION OF PROJECT

Construction project will be for the improvement of the Chimney Rock Street from the Right-of-Way SH 69 to Edgewood Street. Project consists of the following: Planing of existing pavement structure from centerline of street at 0.0 inches to a depth of 2 inches below the lip of the concrete gutter on both side of the street centerline. It also includes 54 feet of Pebble Creek Street on the north side of Chimney Rock Street, 16 feet of Pebble Creek Street on the south side of Chimney Rock Street and 13.5 feet West Creek Street on the south side of Chimney Rock Street to produce a desirable approach to Chimney Rock Street and placing 2 inches of Dense-Graded Hot-mix Asphalt on planned surfaces.

Estimate of Quantities

<u>Description</u>	<u>Item</u>	<u>Amount</u>
Item 341: Type D Sac-B 64-22	TON	1,100.00
Item 354: Planing and Texturing Pavement	SY	9,780.00



Sequence of Construction

1. Plan and texture in accordance with **TxDOT Specification Item 354 Planing and Texturing Pavement** to existing surface to a depth of 2 inches below lip of concrete gutter (both sides) and feather-out to daylight at centerline of roadway. Clean gutters, roadway, remove and haul salvaged material which shall become the property of Angelina County and hauled to Angelina County Precinct Barn #1, 1002 FM 706, Lufkin, Texas 75904. Distance is 2.2 miles.
2. Apply Non-Tracking Tack Coat Emulsion at a rate 0.05 Gal/SY to planed surface and place 2 inches of Type “D SAC-B 64-22” Asphaltic Pavement.
3. Properly compact to meet specification
4. Apply Traffic Control in accordance with the Texas Manual of Uniform Traffic Control Devices (TX MUTCD), which will be considered incidental to varies bid items.



General Notes

Specifications adopted by the Texas Department of Transportation September 1, 2024. The specification items listed and dated as follows shall govern on this project.

This project consists of preforming planning and resurfacing of Chimney Rock St in the Idlewood Subdivision.

The county reserves the right to revise schedule as it deems necessary.

County will make a selection on bidder past experience, work history on producing timely and high quality of final product results and cost-effective measures taken by the firm. County will consider all qualified bidders and will select the best qualified and cost effective, but not necessary the low bidder.

The engineer listed is in charge of the inspection of all work with in this contract. All meetings and requests shall be certified by this office.

Coordinate work through:

Raymond “Paul” Jaap
606 E Lufkin Ave
Lufkin, Tx 75901
(936) 671-5147

Prior to beginning work the contractor is required to attend a meeting in the Angelina County Road & Bridge office at 606 E Lufkin Ave Lufkin, Tx 75901.

The Contractor shall notify the Engineer or his representative by 7:15 A.M. of that

working day through email if no work is to be performed during the that day.

Give the Engineer seven days’ notice of the date and time work is to commence on this project.

Provide and maintain a dedicated email address for receipt of work orders and correspondence through the terms of this contract. Acknowledgement of emailed work order/callouts is required no more than 12 hours from notification.

Contractor’s attention is called to the fact that all adjoining pavement sections will be protected during all phases of construction and any damages incurred due to the contractor’s operation will be repaired and replaced at the Contractor’s expense.

Perform all work Monday through Friday or as approved by the Engineer.

All work will be scheduled to finish within (15) working days of beginning work on the project.

Work on this contract is not to be considered complete until the contractor receives written notification from the engineer. Contractor shall not demobilize from project until this written notification has been presented.

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Oral notification from the project manager/engineer will **not** constitute official notification that work is complete.

Arrange work so that no machinery or equipment will be closer than 30 feet to the roadway after the end of the work day unless authorized by the Engineer.

Comply with all ordinances and regulations of local, municipal, and county governments as well as the Texas Commission on Environmental Quality which may or may not be applicable to this contract.

Acquire all necessary general, state, and local permits that may be required for the performance of the contract at the contractor's expense.

Assume full responsibility for location of underground utility installations which may exist, and notification to the utility involved in case of conflict or damage and take responsibility for damage that occurs due to their negligence. Consider this work to be subsidiary to the various bid items of the contract.

Take reasonable measures to protect areas adjacent to construction activities from damage. Restore areas damaged as a result of construction to their original condition, as directed by the Engineer.

Assume ownership for all designated waste material and dispose of it at a place off of the right of way, as approved by the Engineer.

Verify material quantities before ordering materials.

Item 4: Scope of Work

All new and existing pavement adjacent to the roadway must be free of stains, dirt, tire marks, etc., at the time of final acceptance. This will be required to achieve acceptance of the project and will be considered subsidiary to the applicable bid items.

The Engineer reserves the right to make changes in the work including addition, reduction, or elimination of quantities and alterations needed to complete the Contract. Perform the work as altered. These changes will not invalidate the Contract nor release the Surety. The Contractor is responsible for notifying the sureties of any changes to the Contract.

Payment will not be made for anticipated profits on work that is eliminated.

Item 5: Control of the Work

The Engineer has the authority to observe, test, inspect, approve, and accept the work. The Engineer decides all questions about the quality and acceptability of materials, work performed, work progress, Contract interpretations, and acceptable Contract fulfillment.

The Engineer may pursue actions against the Contractor, including but not limited to the withholding of estimates and suspending the work, for noncompliance of the Contract.

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The Engineer may suspend the work without suspending working day charges for noncompliance of the Contract.

When work fails to meet Contract requirements and is inadequate to serve the design purpose it will be considered defective. Correct, or remove and replace, the work at the Contractor’s expense, as directed.

The responsibility for the construction surveying on this contract will be in accordance with Method C.

Upon completion of the work, remove litter, debris, objectionable material, temporary structures, excess materials, and equipment from the work locations. Clean and restore property damaged by the Contractor’s operations during the prosecution of the work. Leave the work locations in a neat and presentable condition.

The work performed under this Article will not be paid for directly but will be considered subsidiary to Items of the Contract.

Item 6: Control of Materials

Use only materials that meet Contract requirements. Unless otherwise specified or approved, use new materials for the work.

Mixing of materials, storing of materials, storing of equipment, or repairing of equipment on top of pavement will not be permitted unless specifically authorized by the Engineer. Permission will be granted if, in the option of the Engineer, storage of the materials will not cause damage or discoloration. Any damage resulting from this work will be corrected at the Contractor’s expense.

Item 7: Legal Relations and Responsibilities

Ingress and egress to the adjacent property shall be maintained by the Contractor at all times.

Furnish all materials, labor and incidentals required to provide for traffic across the highway and for temporary ingress and egress to private properties at no additional cost to the county. Consider this work to be subsidiary to the various bid items of the contract.

The contractor shall be familiar with the right-of-way map and the location of all the right-of-way documentation. Care shall be taken by the contractor and its subcontractors to protect and avoid disturbance to the right-of-way.

Comply with the requirements of Item 502 “Barricades, Signs, and Traffic Handling,” and as directed. Provide traffic control devices that conform to the details shown on the plans, the TMUTCD, and the Department’s Compliant Work Zone Traffic Control Device List

Designate in writing, a Contractor’s Responsible Person (CRP) and an alternate to be the representative of the Contractor who is responsible for taking or directing corrective measures regarding the traffic control.

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The CRP or alternate must be accessible by phone 24 hr. per day and able to respond when notified.

Item 8: Prosecution and Progress:

The response time specified in this contract is an essential element. Liquidated damages will be assessed when the contractor fails to begin work within the specified response time and/or the Contractor does not have all of the personnel and pieces of equipment necessary to fulfil the requirement of the items.

Compute and charge working days in accordance with Section 8.3.1.4 "Standard Workweek," unless otherwise shown on the plans for a Five-Day Work week.

Work hour limitations may be modified when approved by the Engineer.

Adjoining projects may be in progress during the construction of a portion of this project. Plan and prosecute the sequence of construction and the traffic control plan with adjacent construction project, if applicable. Manage construction of all phases to minimize disruption to traffic.

Item 300: Asphalts, Oils and Emulsions

Provide asphalt cements, cutback and emulsified asphalts, performance-graded asphalt binders, and other miscellaneous asphalt materials as specified on the plans.

Utilization of- Non-tracking Tack @ a Rate 0.05gal./SY

The work performed under this article will not be paid for directly but will be considered subsidiary to Item 341: Dense-Graded Hot-Mix Asphalt of the contract.

Item 341: Dense- Graded Hot-Mix Asphalt (Small Quantity)

Construct a hot-mix asphalt (HMA) pavement layer composed of a compacted, dense-graded mixture of aggregate and asphalt binder mixed hot in a mixing plant. This specification is intended for small quantity (SQ) HMA projects, typically under 5,000 tons total production

Furnish uncontaminated materials of uniform quality that meet the requirements of the plans and specifications.

Produce, haul, place, and compact the specified paving mixture. In addition to tests required by the specification, Contractors may perform other QC tests as deemed necessary. At any time during the project, the Engineer may perform production and placement tests as deemed necessary.

Clean all truck beds before use to ensure that mixture is not contaminated. Use an approved release agent to coat the inside bed of the truck when necessary.

Collect haul tickets from each load of mixture delivered to the project and provide a copy to the Engineer approximately every hour, or as directed.

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Use an infrared thermometer to measure and record the internal temperature of the mixture as discharged from the truck before or as the mix enters the paver.

Place the mixture to meet the typical section requirements and produce a smooth, finished surface with a uniform appearance and texture. Ensure that all finished surfaces will drain properly.

Place the mixture at the rate or thickness shown on the plans. The thickness determined is based on the rate of 110 lb./sy. for each inch of pavement unless otherwise shown on the plans.

Place mixture when the roadway surface temperature is at or above 60 degrees Fahrenheit.

Turn off screed heaters, to prevent overheating of the mat, if the paver stops for more than 5 minutes.

Compact the pavement uniformly to contain between 3.8% and 8.5% in-place air voids. Furnish the type, size, and number of rollers required for compaction as approved. Use a pneumatic-tire roller to seal the surface unless excessive pickup of fines occurs. Use additional rollers as required to remove any roller marks. Use only water or an approved release agent on rollers, tamps, and another compaction equipment unless otherwise directed. Complete all compaction operations before the pavement temperature drops below 160 degrees Fahrenheit unless otherwise allowed.

Provide mixture **Type D** using **PG binder 64-22**. Use aggregates that meets the SAC requirement of Class B, as listed below:

Type D SAC-B 64-22

(1,100 Tons)

Provide mix designs. Mix designs must be verified and approved by the Engineer.

Consider all required rolling as subsidiary for this item.

Min: width of **11.5 ft** paver is required for this project.

Item 354: Planning and Texturing Pavement

Plane, or plane and texture, existing asphalt concrete pavement, asphalt-stabilized base, or concrete pavement.

9,780.0 SY @ 0-3" in depth

The planed material shall be come property of Angelina County and be delivered to the precinct 2 barn located at 514 County Barn Rd, Lufkin, TX 75904

Hauling and delivering of planed material to this location will be subsidiary to this item and will not be paid directly.

Item 502: Barricades, Signs and Traffic Handling

Provide traffic control in compliance with the latest edition of the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD).

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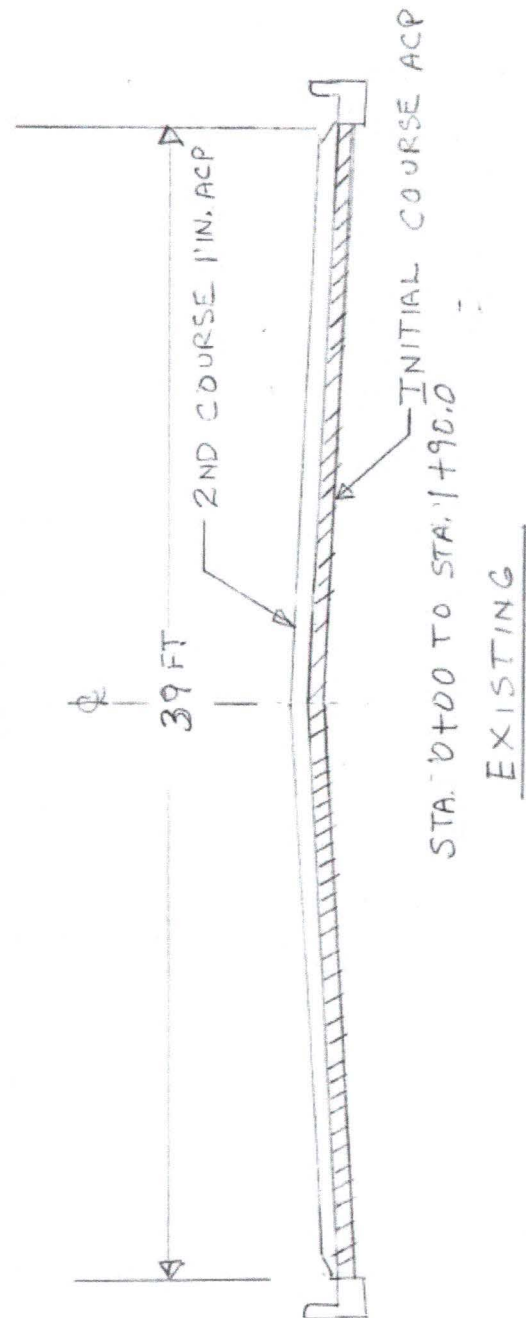
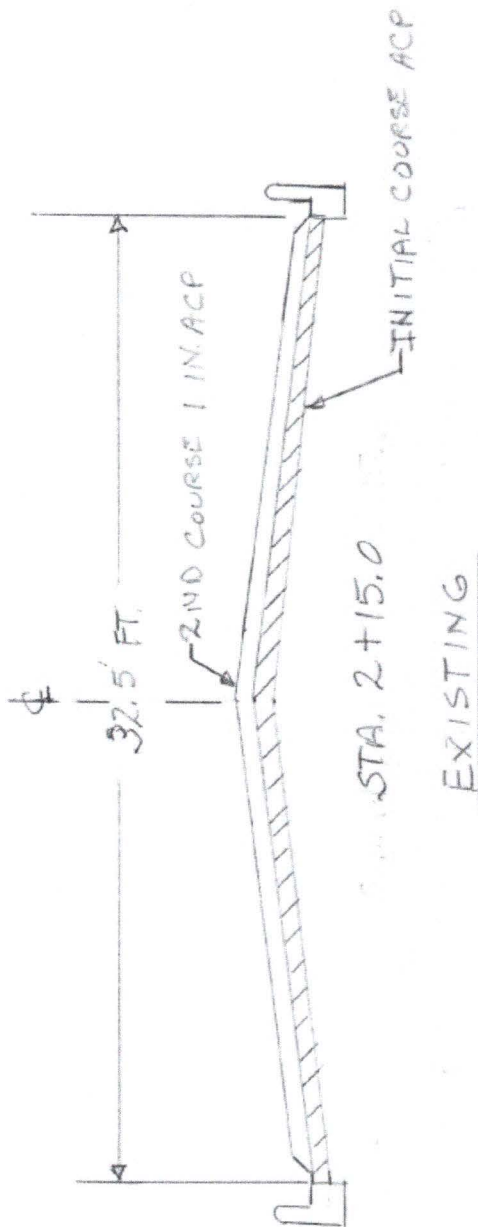


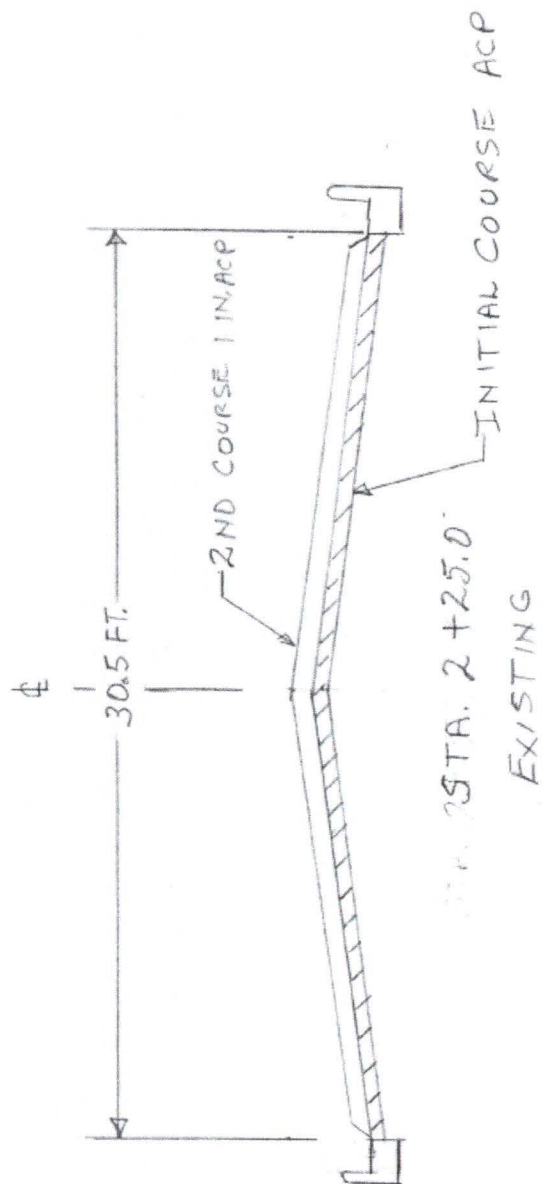
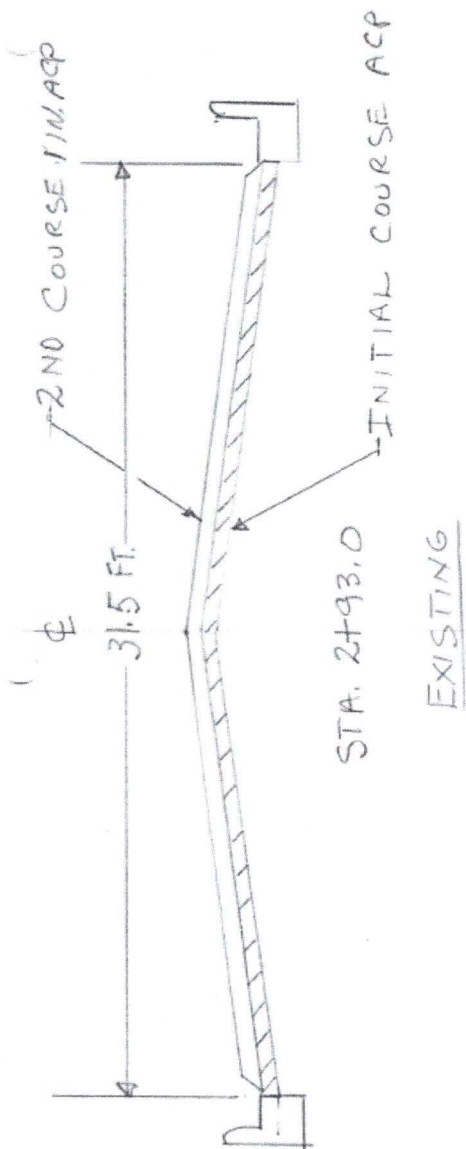
Provide, install, move, replace, maintain, clean, and remove all traffic control devices.

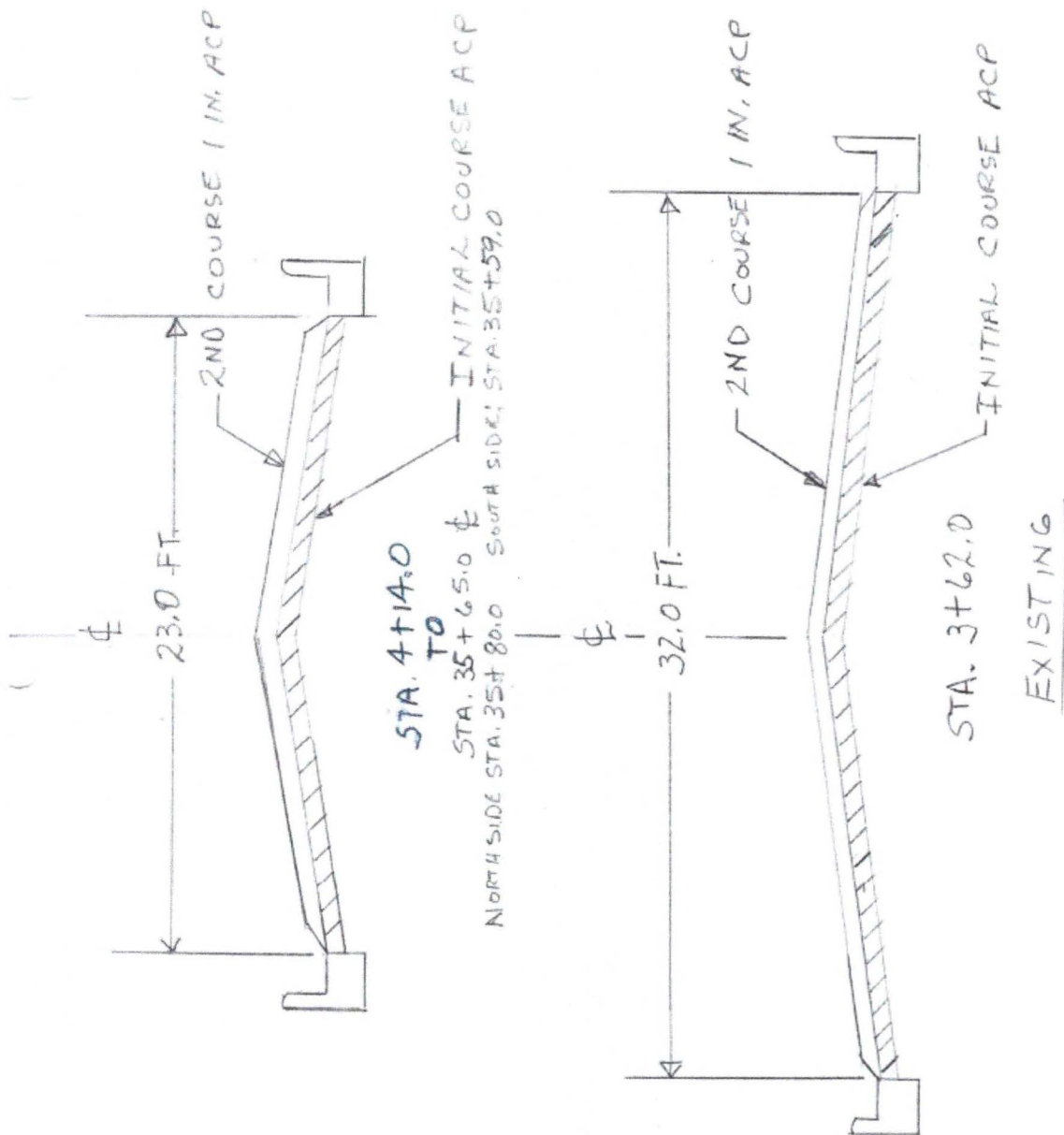
Maintain traffic control devices by taking corrective action when notified. Corrective actions include, but are not limited to, cleaning, replacing, straightening, covering, and removing devices. Maintain the devices such that they are properly positioned and spaced, legible, and have retroreflective characteristics that meet requirements day or night and in all weather conditions.

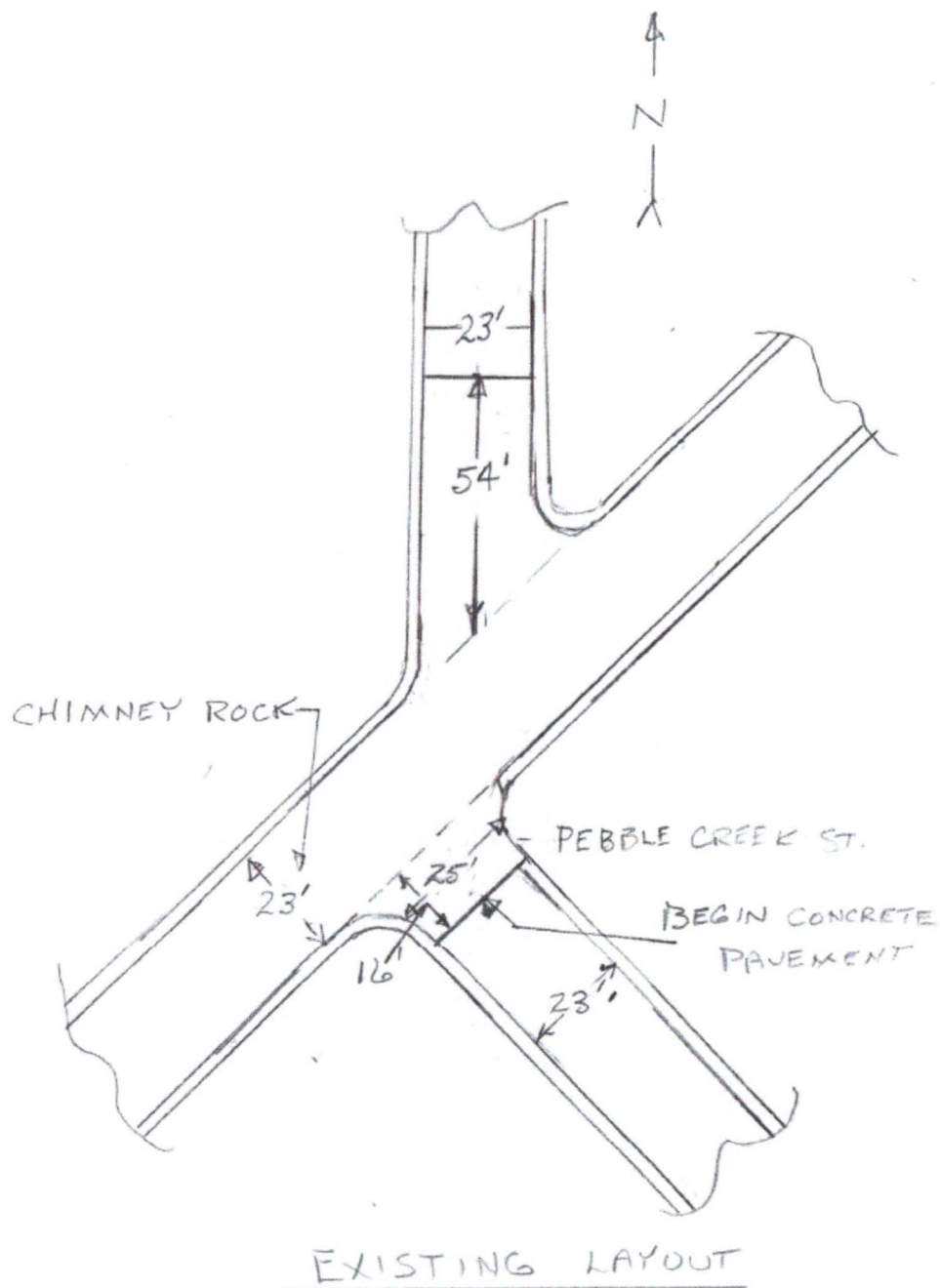
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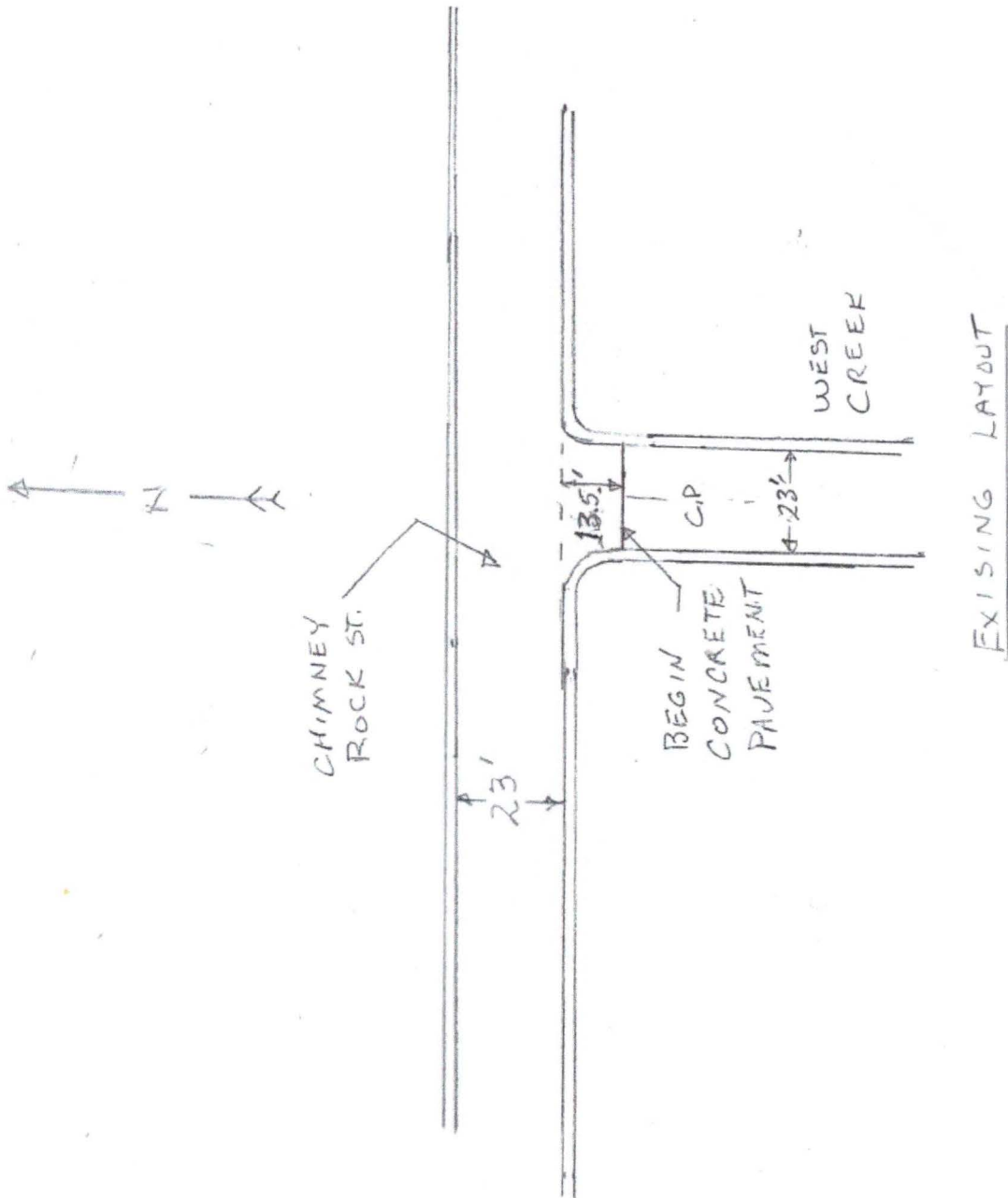


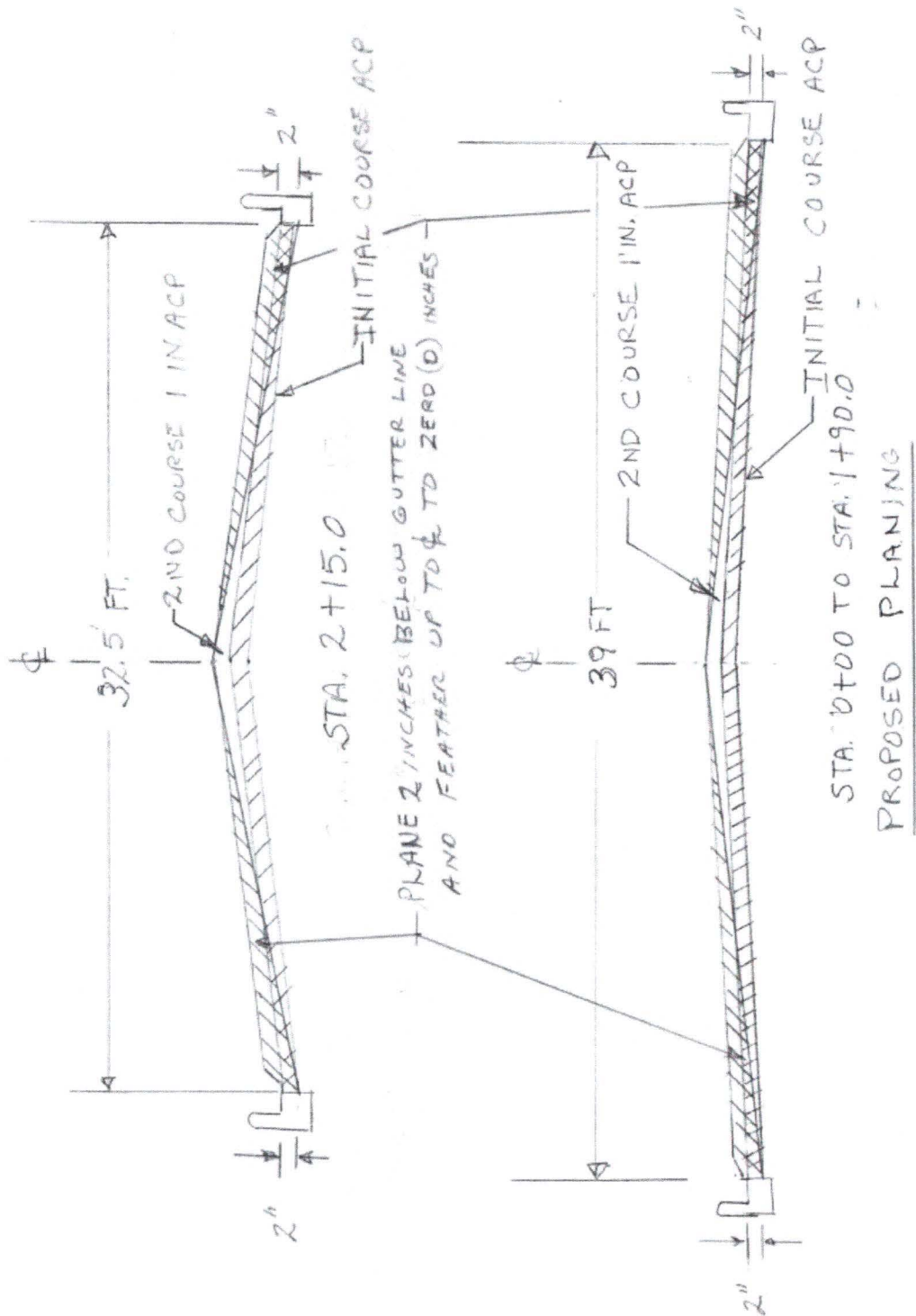


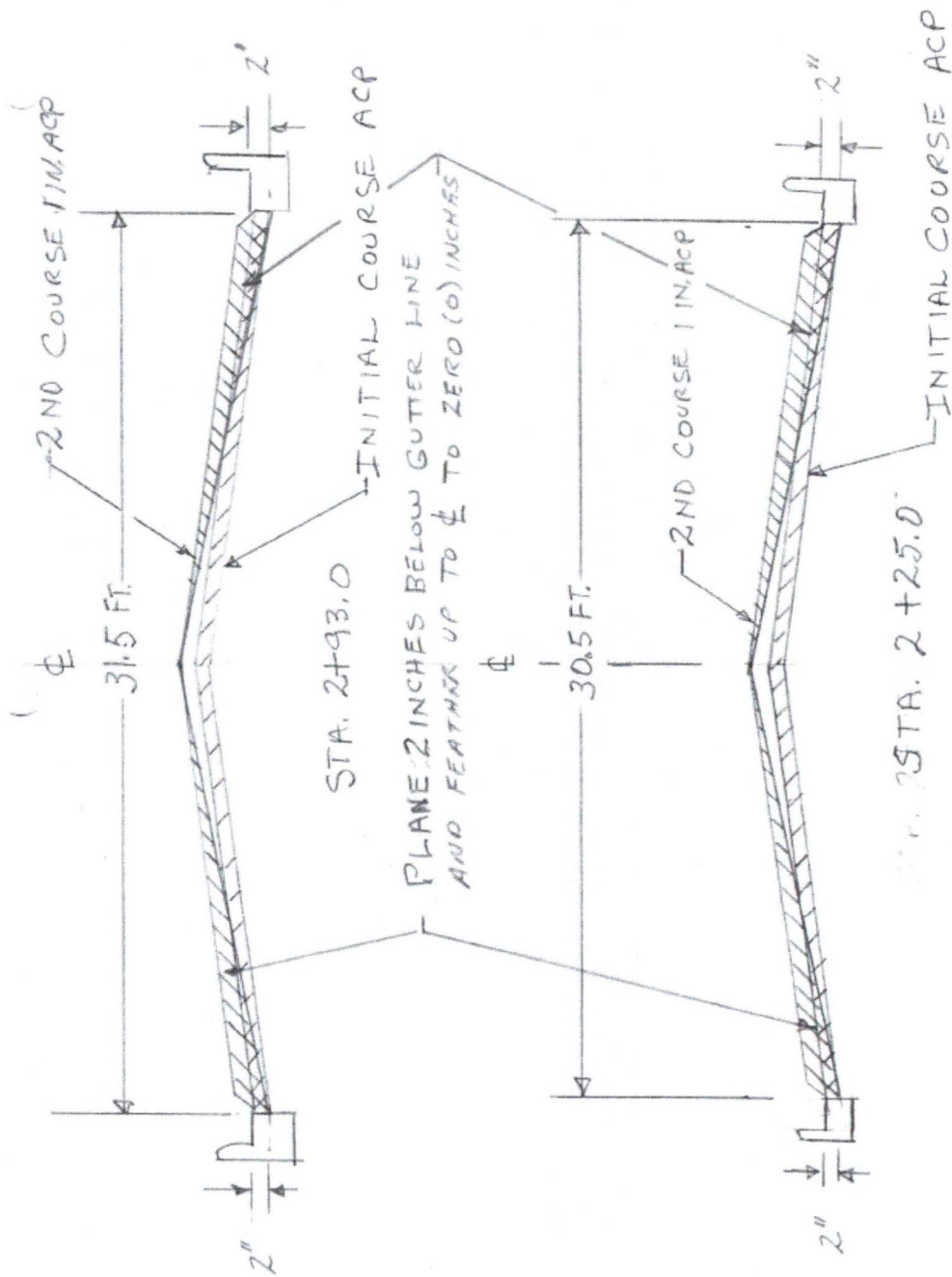


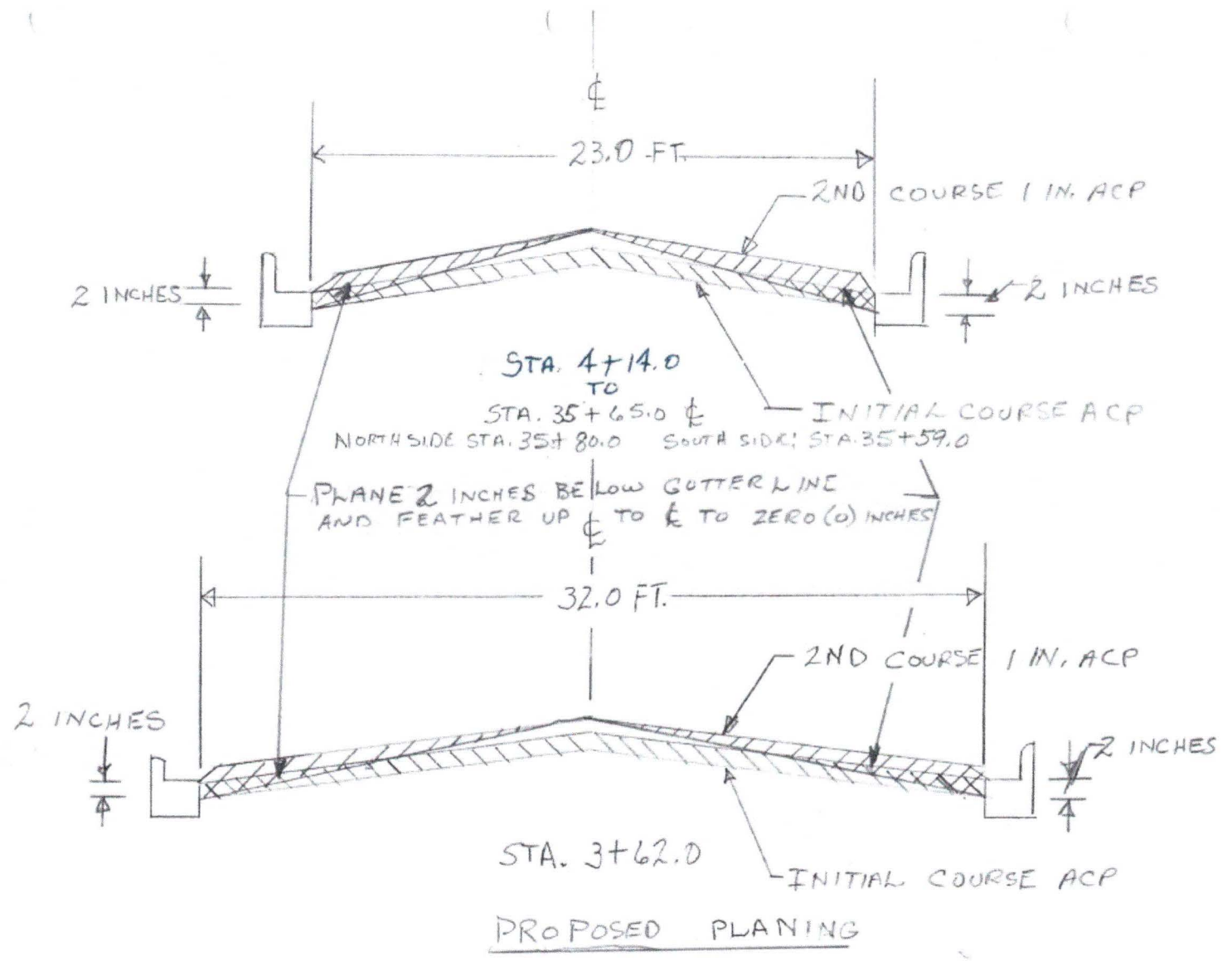


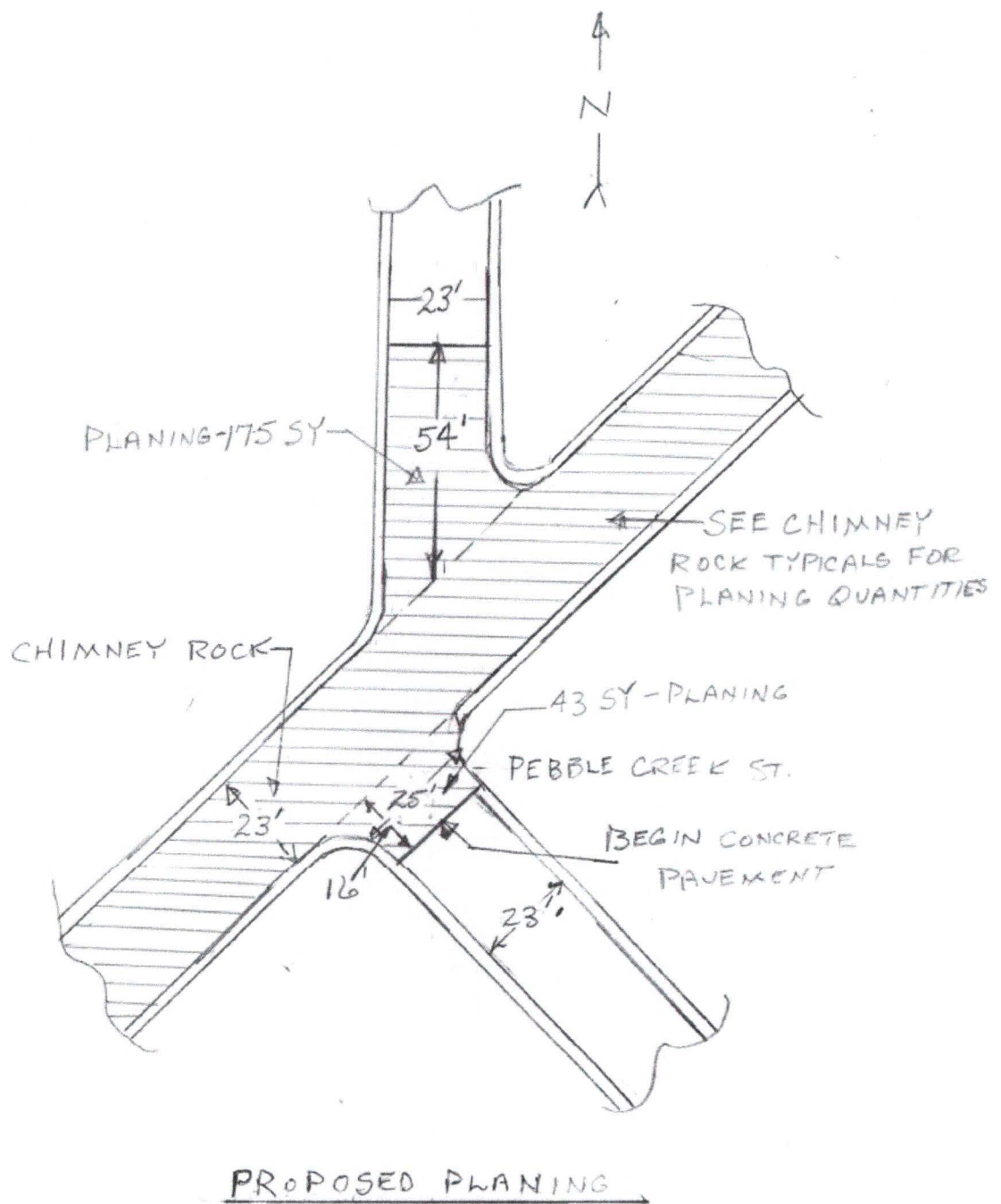


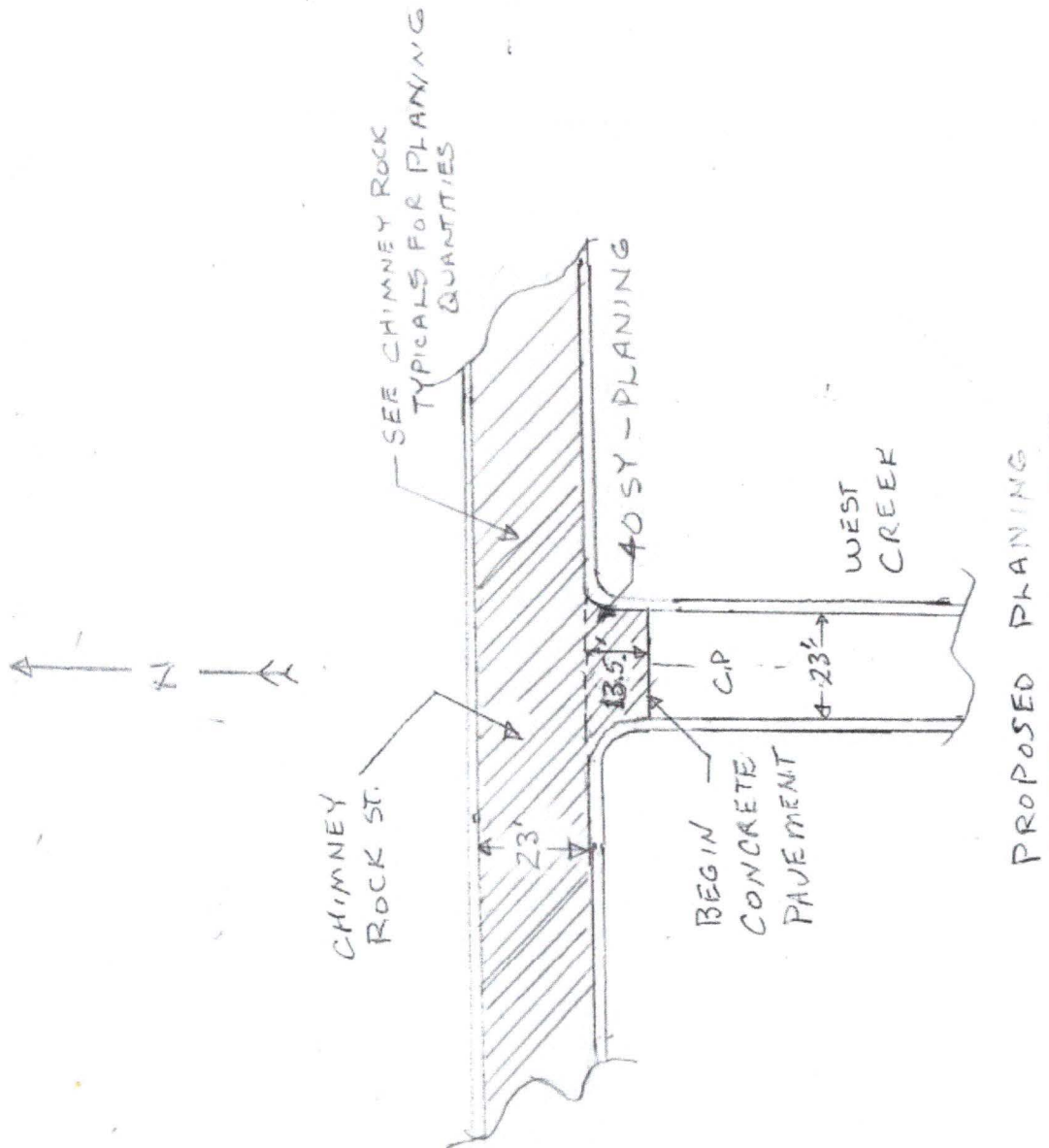


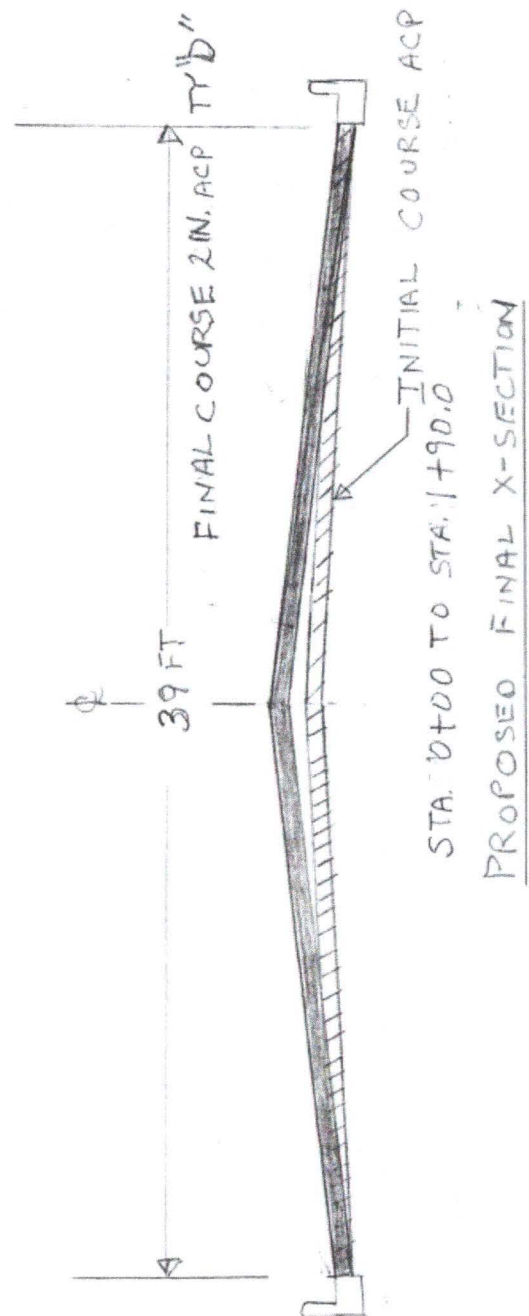
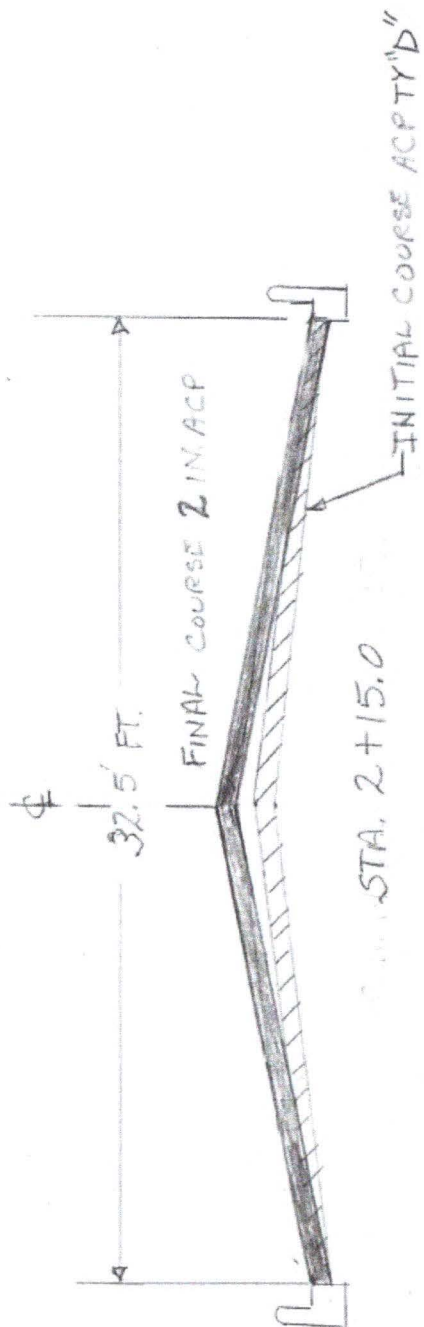


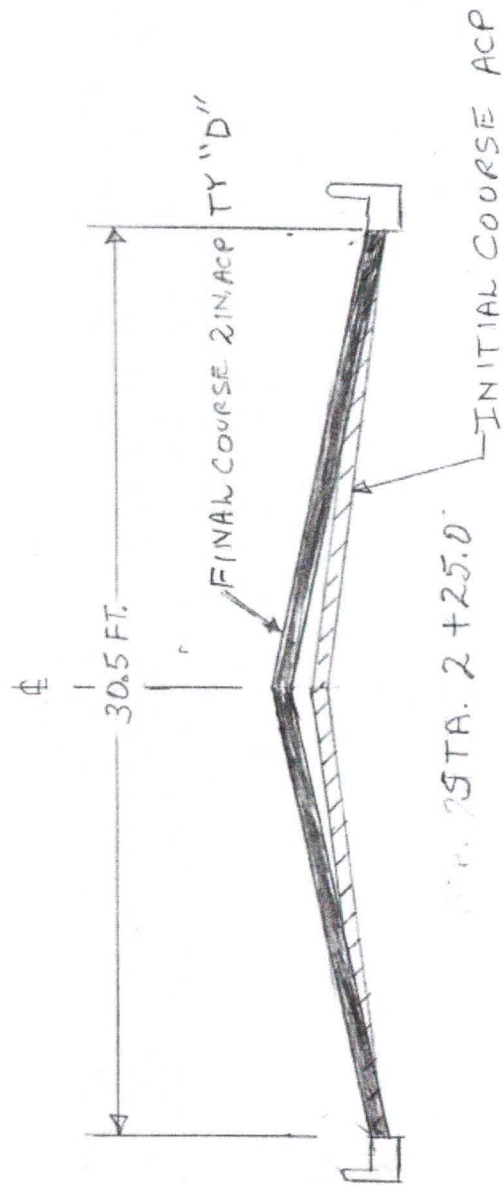
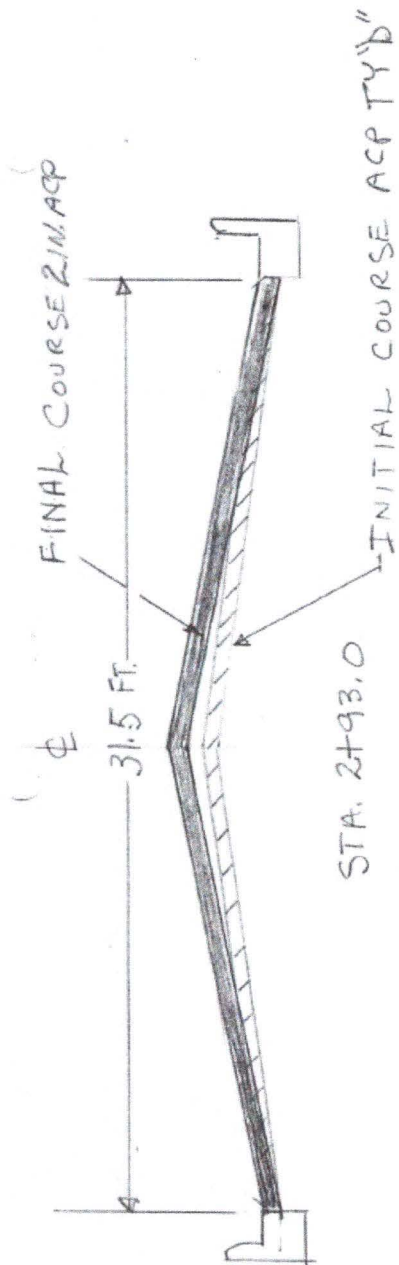




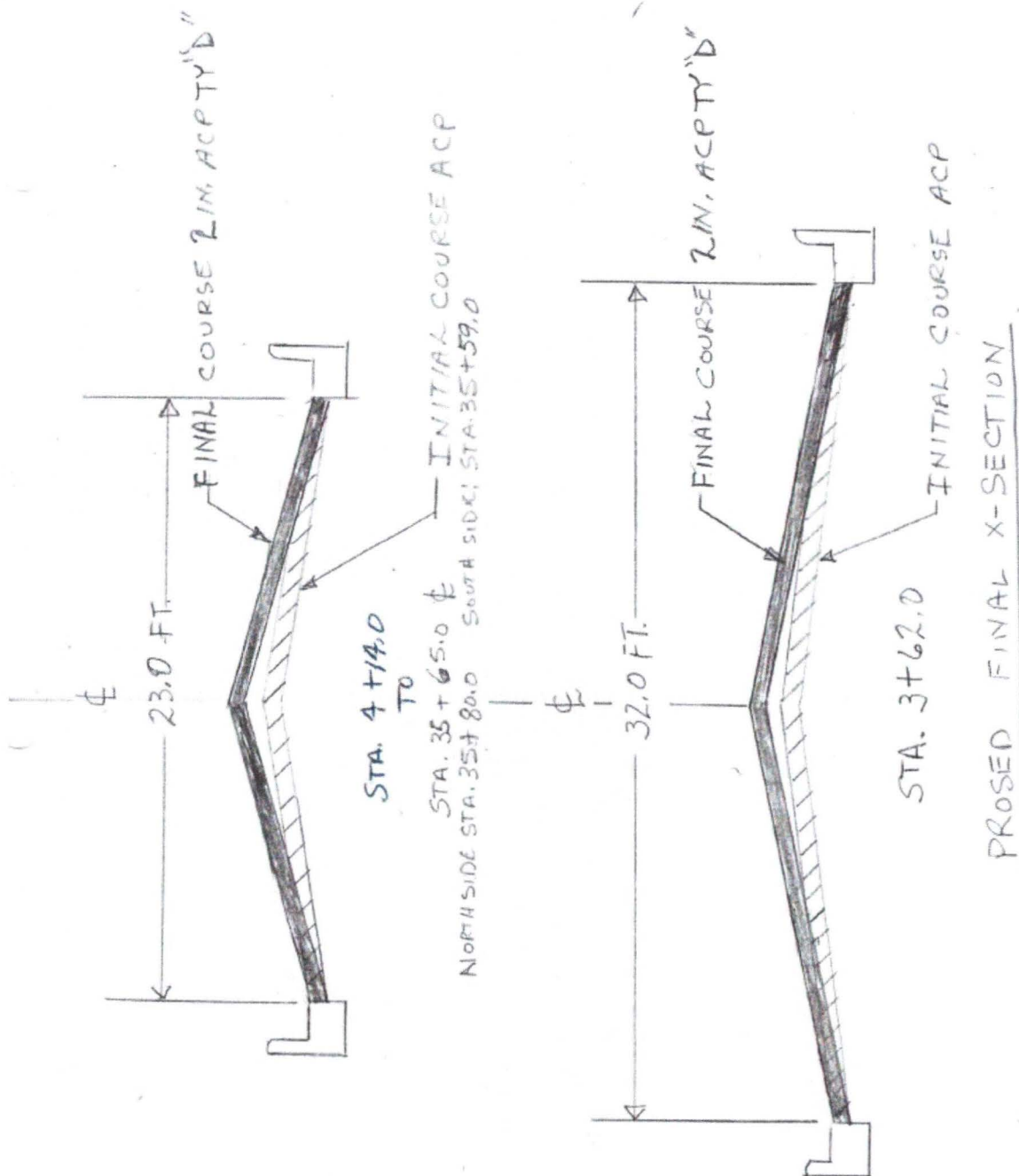


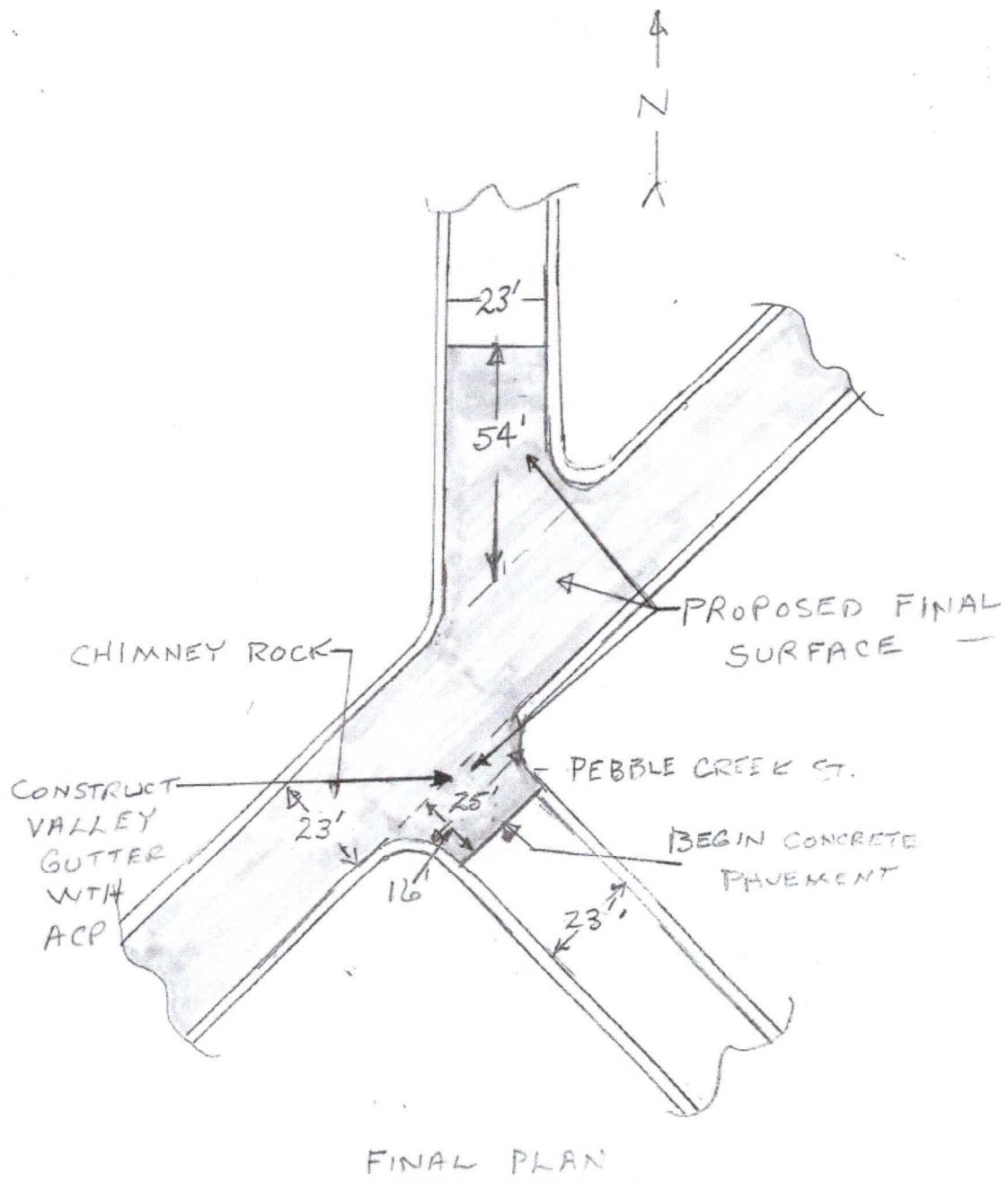


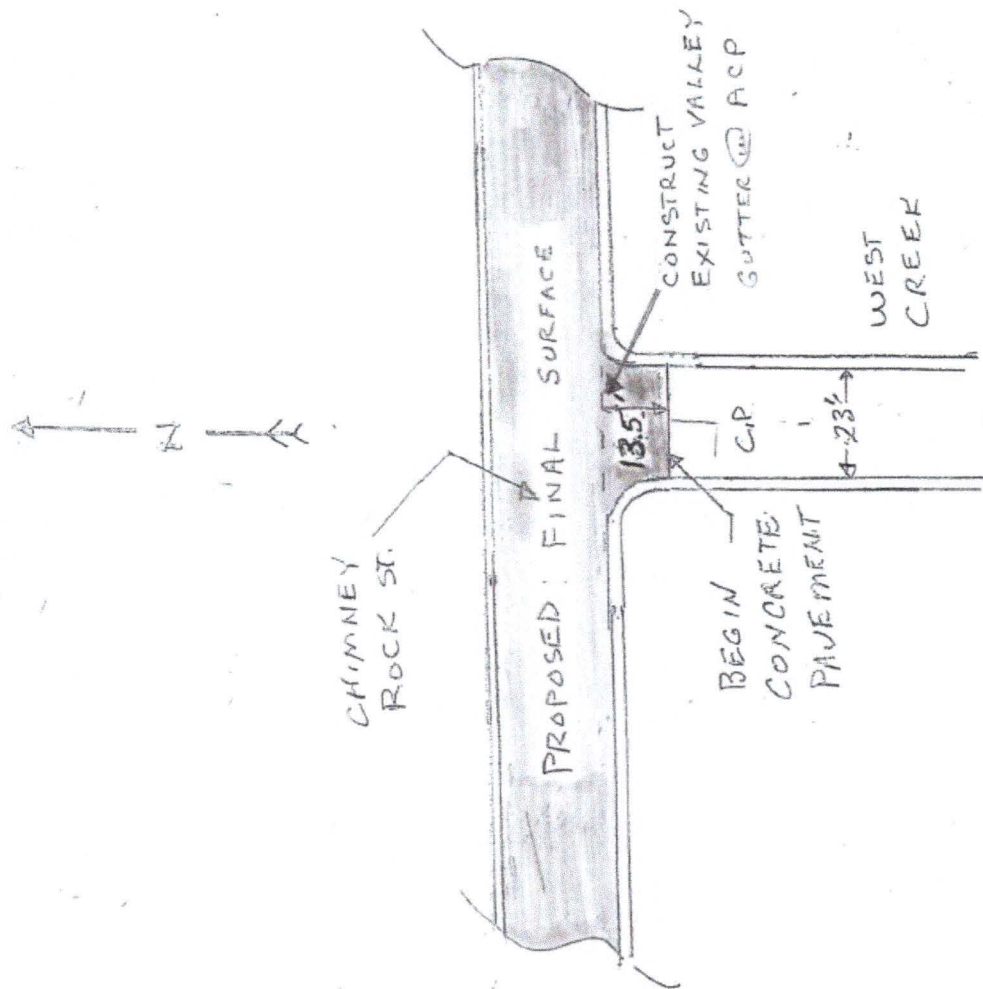




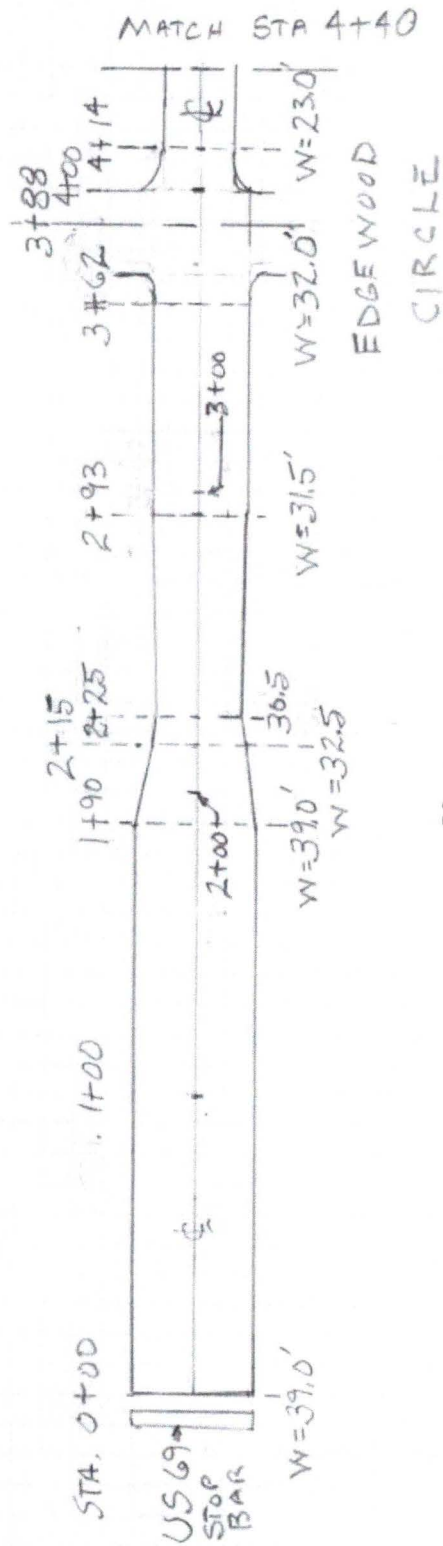
PROPOSED FINAL X-SECTION



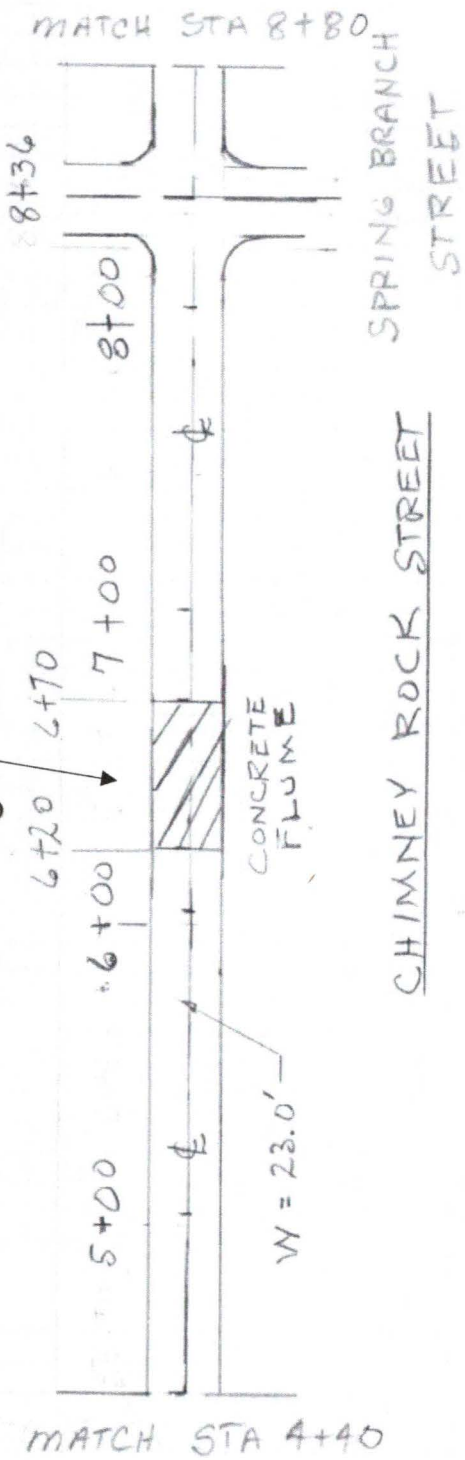




FINAL PLAN

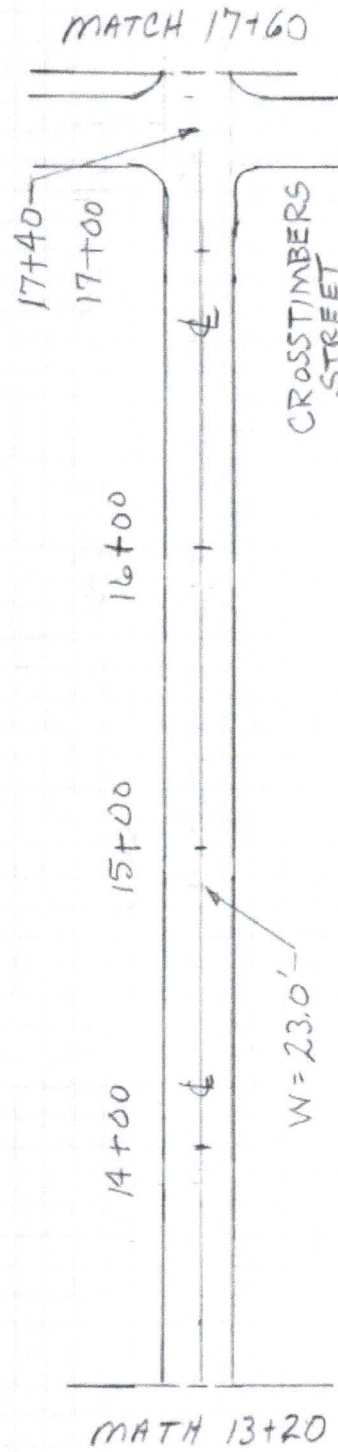
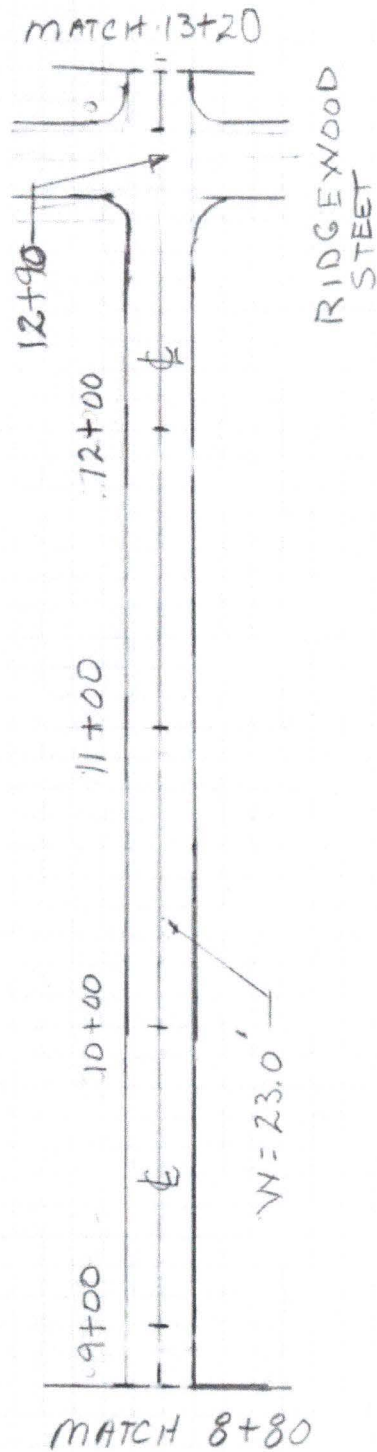


Exception
Sta. 6+20 to
Sta. 6+70



PLAN VIEW





CHIMNEY ROCK STREET

PLAN VIEW



