

CITY OF MADISON

REQUEST FOR PROPOSALS



RFP #: 13040-0-2024-BP

Title: Engineering Structures

City Agency: Engineering

Due Date: Wednesday, April 24, 2024
2:00 PM CDT

Table of Contents

1 NOTICE TO PROPOSERS..... 1

 1.1 Summary..... 1

 1.2 Important Dates..... 1

 1.3 Format..... 1

 1.4 Labeling..... 1

 1.5 Delivery of Proposals..... 1

 1.6 Appendix A: Standard Terms & Conditions..... 1

 1.7 Appendix B: Sample Contract for Purchase of Services..... 1

 1.8 Affirmative Action Notice..... 2

 1.9 Multiple Proposals..... 2

 1.10 City of Madison Contact Information..... 2

 1.11 Inquiries and Clarifications..... 3

 1.12 Addenda..... 3

 1.13 Bid Distribution Networks..... 3

 1.14 Local Vendor Preference..... 4

 1.15 Oral Presentations/Site Visits/Meetings..... 4

 1.16 Acceptance/Rejection of Proposals..... 4

 1.17 Withdrawal or Revision of Proposals..... 4

 1.18 Non-Material and Material Variances..... 4

 1.19 Public Records..... 4

 1.20 Usage Reports..... 5

 1.21 Partial Award..... 5

 1.22 Tax Exempt..... 5

 1.23 Cooperative Purchasing..... 5

 1.24 Proposers Responsibility..... 5

2 DESCRIPTION OF SERVICES/COMMODITIES..... 7

 2.1 Summary of Services Requested..... 7

 2.2 Project Background..... 7

 2.3 Project Description..... 7

 2.4 Summary of Services Required..... 9

 2.5 Potential Projects..... 10

 2.6 Project Schedule..... 11

 2.7 Consultant Qualifications..... 11

3 REQUIRED INFORMATION AND CONTENT OF PROPOSALS..... 13

 3.1 Required Forms..... 13

 3.2 Technical Qualifications..... 13

 3.3 Form D..... 13

 3.4 Local Vendor Preference..... 13

Form A: Signature Affidavit

Form B: Receipt of Forms and Submittal Checklist

Form C: Vendor Profile

Form D: Cost Proposal

Form E: References

Appendix A: Standard Terms & Conditions (For submission of bids/in the absence of signed contract)

Appendix B: Sample Contract for Purchase of Services (Design Professionals)

Attachment 1: Park Street Pedestrian Overpass

Attachment 2: Portland Parkway to Dempsey Road

Attachment 3: Badger Road Bridge

Attachment 4: Reindahl Barn

1 NOTICE TO PROPOSERS

1.1 Summary

The City of Madison Engineering (“City”) is soliciting Proposals from qualified vendors for Engineering Structures. Vendors submitting Proposals (“Proposers”) are required to read this Request for Proposals (“RFP”) in its entirety and follow the instructions contained herein.

1.2 Important Dates

Deliver Proposals no later than the due time and date indicated below. The City will reject late Proposals:

Issue Date: Tuesday, March 26, 2024
Questions Due Date: Monday, April 8, 2024
Answers Posted Date: Friday, April 12, 2024
Due Date: Wednesday, April 24, 2024, 2:00 PM CDT

1.3 Format

All proposals are to be submitted electronically.

Submit Technical and Cost Proposals (Form D) in separate, distinct files.

Please do not send back this RFP document with your submission.

Complete and return Forms A through E to City of Madison Purchasing Services by Wednesday, April 24, 2024, 2:00 PM CDT.

1.4 Labeling

All email correspondence must include RFP #13040-0-2024-BP in the subject line.

1.5 Delivery of Proposals

Delivery of electronic copy to: via email to bids@cityofmadison.com

Proposals must be delivered as instructed. Deliveries to other City departments and/or locations may result in disqualification.

1.6 Appendix A: Standard Terms & Conditions

Proposers are responsible for reviewing Appendix A, the Standard Terms and Conditions, prior to submission of their Proposals. Appendix A applies to the submission of proposals and in the absence of a signed contract becomes part of the contract terms. Part I of Appendix A provides legal terms relevant only to the submission of proposals. Part II of Appendix A provides legal terms that would apply *only in the absence of a signed contract*.

1.7 Appendix B: Sample Contract for Purchase of Services

Proposers are responsible for reviewing Appendix B, Sample Contract, prior to submission of their Proposals. A contract in the form of Appendix B will serve as the basis of the contract resulting from this RFP. The resulting contract will control over any different legal terms in this RFP, Appendix A, the proposal, etc. **By submitting a proposal, Proposers affirm their willingness to enter into a contract containing the terms found in Appendix B.** While the City strives to provide the most appropriate sample contract for this RFP, the City reserves the right to modify the sample form for any resulting contract. The City does not negotiate legal terms prior to award.

1.8 Affirmative Action Notice

If Contractor employs 15 or more employees and does aggregate annual business with the City of \$50,000 or more for the calendar year in which the PO and/or Contract is in effect, Contractor shall file, within thirty (30) days from the PO/Contract effective date and BEFORE RELEASE OF PAYMENT, an Affirmative Action Plan designed to ensure that the Contractor provides equal employment opportunity to all and takes affirmative action in its utilization of applicants and employees who are women, minorities and/or persons with disabilities. A sample affirmative action plan, Request for Exemption forms, and instructions are available at: www.cityofmadison.com/civil-rights/contract-compliance/vendors-suppliers/forms or by contacting a Contract Compliance Specialist at the City of Madison Affirmative Action Division at (608) 266-4910. Vendors must register for an account to complete the required forms online, here: <https://elam.cityofmadison.com/citizenaccess>

Contractor shall also allow maximum feasible opportunity to small business enterprises to compete for any subcontracts entered into pursuant to this PO/Contract.

Job postings: All contractors who employ 15 or more employees (regardless of the dollar amount of this contract or their annual aggregate business with the City) must notify the City of all external job openings at locations in Dane County, Wisconsin, and agree to interview candidates referred by the City or its designated organization. Job posting information is available at: <http://www.cityofmadison.com/civil-rights/programs/referrals-and-interviews-for-sustainable-employment-raise-program>. Instructions for contractors: http://www.cityofmadison.com/civil-rights/documents/RaISE_Job_Posting_Instructions.pdf

The complete set of Affirmative Action requirements for this purchase can be found in **paragraph 20 of Appendix A – Standard Terms and Conditions** and, in **Section 13 of Appendix B – Sample Contract for Purchase of Services**.

1.9 Multiple Proposals

Multiple Proposals from Proposers are permitted; however, each must fully conform to the requirements for submission. Proposers must sequentially label (e.g., Proposal #1, Proposal #2) and separately package each Proposal. Proposers may submit alternate pricing schemes without having to submit multiple Proposals.

1.10 City of Madison Contact Information

The City of Madison Engineering is the procuring agency:

Janet Schmidt
City of Madison Engineering
PH: (608) 261-9688
jschmidt@cityofmadison.com

The City of Madison Purchasing Services administers the procurement function:

Brian Pittelli
Purchasing Services
City-County Bldg, Room 407
210 Martin Luther King, Jr. Blvd.
Madison, WI 53703-3346
PH: (608) 267-4969
FAX: (608) 266-5948
bpittelli@cityofmadison.com

For questions regarding Contract Compliance
Affirmative Action Plans please Department of Civil Rights
contact: City-County Bldg., Room 523
210 Martin Luther King, Jr. Blvd.
Madison, WI 53703
PH: (608) 266-4910
dcr@cityofmadison.com

The City employs spam filtering that occasionally blocks legitimate emails, holding them in ‘quarantine’ for four calendar days. The contacts listed in this RFP will acknowledge all emails received. Proposers not receiving acknowledgement within twenty-four hours shall follow-up via phone with specific information identifying the originating email address for message recovery.

1.11 Inquiries and Clarifications

Proposers are to raise any questions they have about the RFP document without delay. Direct all questions, *in writing*, to the Purchasing Services administrator listed in Section 1.10.

Proposers finding any significant ambiguity, error, conflict, discrepancy, omission, or other deficiency in this RFP document shall immediately notify the Buyer and request clarification. In the event that it is necessary to provide additional clarification or revision to the RFP, the City will post addenda – see 1.12 below. Proposers are strongly encouraged to check for addenda regularly.

Proposals should be as responsive as possible to the provisions stated herein. Exceptions are not permitted. The City of Madison reserves the right to disqualify any and all bids that are non-responsive or that include exceptions.

1.12 Addenda

In the event that it is necessary to provide additional clarification or revision to the RFP, the City will post addenda to its Proposals distribution websites – see 1.13 below. It is the Proposers responsibility to regularly monitor the websites for any such postings. Proposers must acknowledge the receipt of any addenda on Form B. Failure to retrieve addenda and include their provisions may result in disqualification.

1.13 Bid Distribution Networks

The City of Madison posts all Request for Proposals, addenda, tabulations, awards and related announcements on two distribution networks – VendorNet and DemandStar. The aforementioned documents are available **exclusively** from these websites. It is the Proposers responsibility to regularly monitor the bid distribution network for any such postings. Proposers failure to retrieve such addenda and incorporate their appropriate provisions in their response may result in disqualification. Both sites offer free registration to City Proposers.

State of Wisconsin VendorNet System: State of Wisconsin and local agencies bid network. Registration is free.
<http://vendornet.state.wi.us/vendornet>

DemandStar by Onvia: National bid network – Free subscription is available to access Proposals from the City of Madison and other Wisconsin agencies, participating in the Wisconsin Association of Public Purchasers (WAPP). A fee is required if subscribing to multiple agencies that are not included in WAPP.

Bid Opportunities: www.cityofmadison.com/finance/purchasing/bidDemandStar.cfm

Home Page: www.demandstar.com

To Register: <https://www.demandstar.com/app/registration>

Please note when registering: Pick the **Wisconsin Association of Public Procurement (WAPP)** to select all current Wisconsin government agencies.

1.14 Local Vendor Preference

The City of Madison has adopted a local preference purchasing policy granting a scoring preference to local suppliers. Only suppliers registered as of the bid's due date will receive preference. Learn more and register at the City of Madison website: www.cityofmadison.com/business/localPurchasing.

1.15 Oral Presentations/Site Visits/Meetings

Proposers may be asked to attend meetings, make oral presentations, inspect City locations or make their facilities available for a site inspection as part of this RFP process. Such presentations, meetings or site visits will be at the Proposers expense.

1.16 Acceptance/Rejection of Proposals

The City reserves the right to accept or reject any or all proposals submitted, in whole or in part, and to waive any informalities or technicalities, which at the City's discretion is determined to be in the best interests of the City. Further, the City makes no representations that a contract will be awarded to any proposer responding to this request. The City expressly reserves the right to reject any and all proposals responding to this invitation without indicating any reasons for such rejection(s).

The City reserves the right to postpone due dates and openings for its own convenience and to withdraw this solicitation at any time without prior notice.

1.17 Withdrawal or Revision of Proposals

Proposers may, without prejudice, withdraw Proposals submitted prior to the date and time specified for receipt of Proposals by requesting such withdrawal before the due time and date of the submission of Proposals. After the due date of submission of Proposals, no Proposals may be withdrawn for a period of 90 days or as otherwise specified or provided by law. Proposers may modify their Proposals at any time prior to opening of Proposals.

1.18 Non-Material and Material Variances

The City reserves the right to waive or permit cure of nonmaterial variances in the offer if, in the judgment of the City, it is in the City's best interest to do so. The determination of materiality is in the sole discretion of the City.

1.19 Public Records

Proposers are hereby notified that all information submitted in response to this RFP may be made available for public inspection according to the Public Records Law of the State of Wisconsin or other applicable public record laws. Information qualifying as a "trade secret"—defined in State of Wisconsin Statutes—may be held confidential.

Proposers shall seal separately and clearly identify all information they deem to be "trade secrets," as defined in the State of Wisconsin Statutes. Do not duplicate or co-mingle information, deemed confidential and sealed, elsewhere in your response.

S. 19.36(5)

(5) TRADE SECRETS. An authority may withhold access to any record or portion of a record containing information qualifying as a trade secret as defined in s. 134.90(1)(c).

s. 134.90(1)(c)

(c) "Trade secret" means information, including a formula, pattern, compilation, program, device, method, technique or process to which all of the following apply:

1. The information derives independent economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by, other persons who can obtain economic value from its disclosure or use.
2. The information is the subject of efforts to maintain its secrecy that are reasonable under the circumstances.

The City cannot ensure that information will not be subject to release if a request is made under applicable public records laws. The City cannot consider the following confidential: a bid in its entirety, price information, or the entire contents of any resulting contract. The City will not provide advance notice to Proposers prior to release of any requested record.

To the extent permitted by such laws, it is the intention of the City to withhold the contents of Proposals from public view—until such times as competitive or bargaining reasons no longer require non-disclosure, in the City's opinion. At that time, all Proposals will be available for review in accordance with such laws.

1.20 Usage Reports

Annually, the successful Proposers shall furnish to City Purchasing usage reports summarizing the ordering history for each department served during the previous contract year. The report, at a minimum, must include each and every item or service ordered during the period, its total quantities and dollars by item/service and in total. The City reserves the right to request usage reports at any time and request additional information, if required, when reviewing contract activity.

1.21 Partial Award

Unless otherwise noted, it will be assumed that Proposers will accept an order for all or part of the items/services priced.

1.22 Tax Exempt

The City of Madison as a municipality is exempt from payment of federal excise taxes (Registration Number 008-1020421147-08) and State of Wisconsin taxes per Wisconsin statute 77.54(9a). Federal Tax ID #39-6005507. A completed Wisconsin Department of Revenue Form S-211 (R.2-00) can be found on the City website. Our tax-exempt number is ES 42916.

1.23 Cooperative Purchasing

Bidders may choose to extend prices offered on bids to other municipalities. Under Wisconsin Statutes, a municipality is defined as a county; city; village; town; school district; board of school directors; sewer district; drainage district; vocational, technical and adult education district; or any other public or quasi-public corporation, officer, board or other body having the authority to award public contracts. This is known as "cooperative" or "piggyback" purchasing, a practice common amongst units of government. The City is not responsible for any contract resulting from a cooperative purchase using this RFB as a basis; they are made solely between the bidders and third party unit of government.

1.24 Proposers Responsibility

Proposers shall examine this RFP and shall exercise their judgment as to the nature and scope of the work required. No plea of ignorance concerning conditions or difficulties that exist or may hereafter arise

in the execution of the work under the resulting contract, as a consequence of failure to make necessary examinations and investigations, shall be accepted as an excuse for any failure or omission on the part of the Proposers to fulfill the requirements of the resulting contract.

2 DESCRIPTION OF SERVICES/COMMODITIES

2.1 Summary of Services Requested

City of Madison (the City) is seeking Engineering Services consisting of structural analysis, design, and review for various small to mid-size structures to be installed as part of Public Works projects throughout the City of Madison, WI. Structures in this RFP may include structural retaining walls, small abutments for bike and pedestrian bridges, footings, etc. Specific reviews and analysis will be requested for the initial set of deliverables, but as other analyses are needed a request for a cost estimate will be required and compensation will be provided based on the billable rates as provided for in the deliverables. At the City's sole discretion this contract may be extended for up to 3 years not to exceed \$100,000 per year.

2.2 Project Background

This RFP is intended to streamline the process for hiring consultants for small and mid-size structural analysis, design and/or review. For large and/or particularly complex structural projects, the City will continue to solicit competitive proposals. However, for small to mid-size projects, it would be beneficial to the City to have a standard contract for structural services in place for use by designers in several City agencies including City Engineering and City Parks. City staff anticipates that many individual projects under this contract will fall between \$5,000 and \$25,000 in design fees.

2.3 Project Description

Initial Deliverables:

1. Park Street Pedestrian Overpass (P-13-760)

Scope of Work:

The Engineering division is seeking structural repairs and recommendations to the Park Street pedestrian overpass (structure P-13-760). There are several concrete spalls on the underside of the bridge that need to be repaired. The deliverables expected for this repair would include plans, specifications and estimate necessary to complete the repairs to assure public safety on and under the bridge. The report should be concise and should detail the review that was completed. Any recommended repairs needed to the bridge should include detail drawings as needed, specifications and a cost estimate so the city could bid a public works project to hire a contractor to repair the bridge.

Attachment 1: Structure plans for the Park Street overpass of Park Street(P-13-760)

Deliverable date: 6/13/2024

2. Portland Parkway to Dempsey Road (structure P-13-341)

Scope of Work:

The Engineering division is seeking structural repairs and recommendations to the Stoughton Road pedestrian overpass from Portland Parkway to Dempsey Road (structure P-13-341). There are several concrete spalls on the edge of the concrete approach slabs of the bridge that need to be repaired. There also is cracking above the piers that need to be sealed. The deliverables expected for this repair would include plans, specifications and estimate necessary to complete the repairs to assure public safety on and under the bridge. The report should be concise and should detail the review that was completed. Any recommended repairs needed to the bridge should include detail drawings as needed, specifications and a cost estimate so the city could bid a public works project to hire a contractor to repair the bridge.

Attachment 2: Structure plans for the pedestrian overpass over Stoughton Road (B-13-341)

Deliverable date: 6/13/2024

3. Badger Road Bridge (B-13-306)

Scope of Work:

The Engineering division is seeking structural analysis, repairs, and recommendations to the Badger Road bridge over the railroad (B-13-306). There are plans to install a bike/pedestrian path along Badger Road in the near future. The deliverable expected would be to prepare superstructure analysis to assure the sidewalk can be widened and modifications to increase the width of the sidewalk on one side of the bridge to ~15', complete any repairs necessary to the bridge deck and expansion joints due to the proposed modifications and prepare plans, specifications and estimate necessary to complete the bridge modification and repairs. The report should be concise and should detail the review that was completed. Any recommended repairs needed to the bridge should include detail drawings as needed, specifications and a cost estimate so the city could bid a public works project to hire a contractor to repair the bridge.

Attachment 3: Structure plans for the Badger Road overpass of the Railroad B-13-306)

Deliverable date: 8/29/2024

4. Reindahl Barn (1818 Portage Rd, Madison, WI)

Background Information:

The Reindahl Barn, a historic structure located within Reindahl Park at 1818 Portage Rd, was constructed in two campaigns – the main two-story gabled barn and then a one-story flat roof addition to the north. The Reindahl Barn recently underwent structural improvements including the installation of a new upper-level floor structure. The addition to the barn requires structural improvements that were not apart of the recent renovation, in order to fulfill the needs of the City of Madison Parks Division.

The City's intent is to use the Barn as a storage facility for the Parks Division. The Parks Division would like to back a vehicle up the earthen ramp and unload the vehicle by walking across the roof of the one story addition from the vehicle through the existing door. The City would like to understand the structural capacity of the existing addition and if any improvements are required to use the structure as described. This would additionally require the site surrounding the addition to be regraded with additional soil and earth retention structures in order to provide a ramp up to the flat roof of the addition. It would also require safety improvements such as railings and an external stair or walking ramp. As we design the project, the City would like to consult with a Structural Engineer to analyze the existing structure and its capacity to accommodate these needs and work with the City to design any construction details necessary for construction.

Scope of Work:

This proposal request is for the structural analysis of the existing addition of the Barn at Reindahl Park at 1818 Portage Rd. Work Shall include but not be limited to the following:

1. Analysis of the base structure of the addition and its connection to the Barn, the structural capacity of the existing walls, footings (if any), structural members, and roof of the addition and its connection to the Barn.
2. Recommendations for upgrades to the existing structure to support the project's intended use.
3. Recommendations for retaining an enlarged earth ramp for a vehicle and space on the side of the earth ramp for a stair or walkable ramp.
4. Recommendations for railings.
5. Design of construction details for the proposed project. Structural design and calculations are part of this work.

6. The structural consultant shall be responsible for providing all equipment required to perform the analysis including but not limited to scissor lifts, ladders, bucket trucks, and other similar equipment and any related OSHA required safety harnesses, hard hats, etc.
7. The consultant shall coordinate scheduling of access to the building with Engineering Staff.

Deliverables:

1. Provide written findings of the structural capacity of the existing walls, structural elements, and roof, as well as written recommendations to support the proposed use of the structure.
2. Design and coordination of construction details and notes for proposed project.
3. Provide professional seal and signature on construction documents as needed.
4. Consultants are advised that the analysis and recommendations may be used for the basis of future projects. There may be an option to add services for bid documents and construction administration depending on the findings of the analysis and the direction that the Engineering Division would like to go with this project.

Attachment 4: Reindahl Pictures and Plans

Deliverable date: 9/16/2024

Other projects beyond those described above may also be included with this RFP when engineering services are necessary. The project deliverables will be determined on a case-by-case basis, depending on the level of review or design required. Please see Section 2.4 for a general description of structural services that may be requested on a case-by-case basis and Section 2.5 for more details on the potential projects that can be anticipated.

2.4 Summary of Services Required

The Consultant should be prepared to provide the following services for any design project awarded under this contract as deemed necessary by the City and as provided for in the specific scope. This list of services should not be considered all-inclusive, and each proposal shall be tailored to the specific request. Compensation will be provided based on hours necessary to complete the work and hourly rates for the different staff working on the project.

Design Phase

- Prepare a scope of services and not-to-exceed cost for City-requested services for the project.
- Visit the project site (as necessary) to evaluate field conditions as needed for design.
- Identify information necessary to perform structural design or review and request such information from the City of Madison.
 - The City may provide the requested information (i.e. soil borings, topography, etc) or request that the Consultant perform the work on a case-by-case basis.
- Estimate construction costs.
- Prepare stamped, construction-quality engineering design drawings and specifications for bid package, as determined on a case-by-case basis.
- Prepare assessment or report of the project as directed in the individual scope of services.

Bid Phase

- Respond to Requests for Information from bidders and prepare addenda to bid package as required and on a case-by-case basis as identified in each individual project scope.

Construction Phase

- Attend the City's pre-construction meeting for the project (as necessary).
- Respond to questions from the Construction Contractor and from City staff during construction.
- Review and approve shop drawings and/or other required submittals from the Construction

Contractor.

- Provide construction oversight for structural component of the project to ensure that the installation matches the design drawings and specifications.
- Attend construction progress meetings (as necessary).
- Perform or oversee testing (as necessary).

Deliverables

Deliverables required for each project may include (but are not limited to) any combination of the following:

- Assessment or report
- Stamped calculations
- Stamped, construction-quality engineering design drawings (digital and paper copy)
- Construction-quality specifications

2.5 Potential Projects

Potential projects that may be requested under this RFP include the following:

1. Structure Design of Pedestrian & Bicycle Bridge
 - a. Provide construction drawings, special provisions, quantities and opinion of probable construction cost (OPCC) for the proposed pedestrian bridge. Design services include design of abutments, wingwalls, strip seal expansion joints, approach slabs and pedestrian railings. Bridge design criteria including material and performance specifications will be provided for prefabricated steel pedestrian bridge.
 - b. Provide preliminary structure drawings for City review and use in in City-prepared permit applications.
 - c. Prepare drawings on City-provided sheet border provided in CAD format or on Contractor's sheet border as requested by City.
 - d. Structural design will be in accordance with the *AASHTO LRFD Guide Specifications for the Design of Pedestrian Bridges*, *AASHTO LRFD Bridge Design Specifications*, and the *Wisconsin Department of Transportation Bridge Manual*. Bridge design loads will include pedestrian live load of 90 pounds per square foot and an H-10 (20,000 pound) design vehicle.
 - e. The bridge superstructure is anticipated to be a prefabricated steel truss with a cast-in-place concrete deck. Bridge dimensions are anticipated to include a clear width of 14 feet and a span of approximately 50 feet.
 - f. Prepare abutment and wingwall drawings for foundations supported on driven piles or spread footings based on recommendations provided by the City's geotechnical consultant.
 - g. Prepare drawings for a pedestrian railing on the bridge and bridge approaches in accordance with pedestrian railing criteria provided by the City.
 - h. Provide final sealed structure drawings to City for insertion into the City-prepared bidding documents.
 - i. Provide structure-related special provisions to the City in Microsoft Word format. Structure-related special provisions will reference the City Standard Specifications for Public Works Construction and the Wisconsin Department of Transportation Standard Specifications for Highway and Structure Construction, as appropriate.
 - j. Provide a table of estimated structure-related quantities including driven piling, concrete, reinforcing steel, railing and other applicable structural bid items.
 - k. Prepare an OPCC for the structure-related bid items.
2. Bidding and Construction Related Services
 - a. Respond to up to 15 Contractor Request for Information (RFI) forms.
 - b. Review and Approve Contractor Shop Drawings Submittals for Bridge Construction

- c. Perform inspection services for major bridge construction items (included but not limited to: Excavation, Pile Driving, Abutment Pour, Superstructure placement, Deck Pour, Approach Slabs)
 - d. Assist City Construction Engineering staff with quantities and Project Diary
3. Remodel Projects and Solar PV Projects:
- a. Evaluation of feasibility of a new design and advice on what structural changes will be needed
 - b. Re-configuration of metal buildings
 - c. New footings, slabs, openings in walls and floors
 - d. Prior a new remodel (possibly before hiring a design team):
 - e. Evaluation of entire building inc. scanning
 - f. Evaluation of Structure to support solar design
 - g. Attached solar to building or in landscape
 - h. General requirements:
 - i. Often need design service and Construction Administration
 - ii. Building projects require use of Revit
 - iii. Deliverable will be stamped plans, specifications and calculations (for Building Inspection)
4. Miscellaneous Structural Analysis
- a. Structural design of storm sewer control and treatment structures
 - b. Design of small structural retaining walls
 - c. Design of small footings for miscellaneous Parks structures
 - d. Design of boat ramps/launches
 - e. Design of lighting footings
 - f. Review of existing roof decking/structure and design of structural solutions for projects where additional loads are introduced (i.e. re-roof, insulation, ballast, solar PV panels, solar hot water, mechanical equipment, roof decks, railings etc.)
 - g. Review/assessment of roof deck failures and design of a structural solution for repairs/patching.
 - h. Design of structural solution(s) for removal of structural column, including sizing of transfer beam and reinforcement of remaining columns, walls, and/or footings
 - i. Extensions of existing walls to provide more volume in an existing garage or other similar storage structure
 - j. Design of roof truss/beams for small garages, and other small storage facilities
 - k. Design of structural support (in an existing wall) for the inclusion of an opening for mechanical, electrical, plumbing, window, or other building element
 - l. Structural building design/detailing for added awnings at the exterior of existing buildings
 - m. Review/assessment of existing structural concrete and/or masonry wall damage and/or failure and design of a structural repair solution.
 - n. Site assessment and reporting on existing structures (abutments, concrete cunettes, boat launches, small miscellaneous structures, etc.)
 - o. Review/assessment of structural failures for small structures or structural elements (similar to those described above) and design of emergency repairs.

2.6 Project Schedule

It is expected that the initial deliverables as described in Section 2.3 above will be due on or before June 13, 2024 – September 16, 2024. Specific schedules for other services not specified in this RFP will be determined by city staff on a case-by-case basis.

2.7 Consultant Qualifications

- The Consultant must be able to respond to City requests for services promptly and without unreasonable delay.

- The Consultant must have at least two (2) civil engineering Professional Engineers (PEs) on staff who specialize and who each have at least seven (7) years experience structural design.
- The Consultant should submit resumes of the primary proposed project team for this work with their response to this RFP. For each review or service requested the Consultant will need to provide the specific project team tasked with the work.
- The Consultant should have drafting standards in place that meet or exceed the requirements of the “National CAD Standards.”
- The Consultant will be required to submit all drawings in Autodesk’s AutoCAD and/or Civil 3D format (as appropriate) and shall be skilled in the use of those programs.

3 REQUIRED INFORMATION AND CONTENT OF PROPOSALS

3.1 Required Forms

Form A: Signature Affidavit

Form B: Receipt of Forms and Submittal Checklist

Form C: Vendor Profile

Form E: References

3.2 Technical Qualifications

Responses must be in the same sequence and identified with the corresponding question number (Example: Question 1, Question 2, etc.). Please limit responses in this section to not more than ten (10) pages. Resumes will not count towards the ten (10) or page limit. The percentage of the total score that each question is worth is listed as [x] in each question.

1. List the size of your staff engaged in this type of design service. Include professional engineers, technicians, and clerical assistants. If yours is a branch office, include only those personnel that work in your office. If work is taking place out of more than one office, list the size of the staff for each office individually. Also include information for sub-consultants if applicable. [15%]
2. State the professional registration, education, and general experience of staff personnel that would be assigned to this work. Indicate what role the various staff will have in the project. A flow chart can be helpful. Also include information for sub-consultants if applicable. [25%]
3. List 3-4 similar projects the Lead Staff for this project has completed recently and similar projects managed by the office working on this project that have been completed in the last 10 years. List the design year, Lead Staff, client contact person, and telephone number for each. [25%]

3.3 Form D

Please provide Form D: Cost Proposal separate from the rest of your proposal. [30%]

3.4 Local Vendor Preference

Please reference Section 1.14 in this document. [5%]



Form A: Signature Affidavit

RFP #: 13040-0-2024-BP Engineering Structures

This form must be returned with your response.

In signing Proposals, we certify that we have not, either directly or indirectly, entered into any agreement or participated in any collusion or otherwise take any action in restraint of free competition; that no attempt has been made to induce any other person or firm to submit or not to submit Proposals, that Proposals have been independently arrived at, without collusion with any other Proposers, competitor or potential competitor; that Proposals have not been knowingly disclosed prior to the opening of Proposals to any other Proposers or competitor; that the above statement is accurate under penalty of perjury.

The undersigned, submitting this Proposals, hereby agrees with all the terms, conditions, and specifications required by the City in this Request for Proposals, declares that the attached Proposals and pricing are in conformity therewith, and attests to the truthfulness of all submissions in response to this solicitation.

Proposers shall provide the information requested below. Include the legal name of the Proposers and signature of the person(s) legally authorized to bind the Proposers to a contract.

COMPANY NAME

SIGNATURE

DATE

PRINT NAME OF PERSON SIGNING



Form B: Receipt of Forms and Submittal Checklist

RFP #: 13040-0-2024-BP Engineering Structures

This form must be returned with your response.

Proposers hereby acknowledge the receipt and/or submittal of the following forms:

Forms	Initial to Acknowledge SUBMITTAL	Initial to Acknowledge RECEIPT
Description of Services/Commodities	N/A	
Form A: Signature Affidavit		
Form B: Receipt of Forms and Submittal Checklist		
Form C: Vendor Profile		
Form D: Cost Proposal		
Form E: References		
Appendix A: Standard Terms & Conditions	N/A	N/A
Appendix B: Contract for Purchase of Services (Design Professionals)	N/A	N/A
Attachment 1: Park Street Pedestrian Overpass	N/A	N/A
Attachment 2: Portland Parkway to Dempsey Road	N/A	N/A
Attachment 3: Badger Road Bridge	N/A	N/A
Attachment 4: Reindahl Barn	N/A	N/A
Addendum #	N/A	N/A

COMPANY NAME



Form C: Vendor Profile

RFP #:

This form must be returned with your response.

COMPANY INFORMATION

COMPANY NAME (Make sure to use your complete, legal company name.)			
FEIN	(If FEIN is not applicable, SSN collected upon award)		
CONTACT NAME (Able to answer questions about proposal.)	TITLE		
TELEPHONE NUMBER	EMAIL		
ADDRESS	CITY	STATE	ZIP

AFFIRMATIVE ACTION CONTACT

If the selected contractor employs 15 or more employees and does aggregate annual business with the City of \$50,000 or more, the contractor will be required to file an Affirmative Action Plan and comply with the City of Madison Affirmative Action Ordinance, Section 39.02(9)(e), within thirty (30) days contract signature. Vendors who believe they are exempt based on number of employees or annual aggregate business must file a request for exemption. Link to information and applicable forms: <https://www.cityofmadison.com/civil-rights/contract-compliance/affirmative-action-plan/vendors-suppliers>

CONTACT NAME	TITLE		
TELEPHONE NUMBER	EMAIL		
ADDRESS	CITY	STATE	ZIP

ORDERS/BILLING CONTACT

Address where City purchase orders/contracts are to be mailed and person the department contacts concerning orders and billing.

CONTACT NAME	TITLE		
TELEPHONE NUMBER	EMAIL		
ADDRESS	CITY	STATE	ZIP

LOCAL VENDOR STATUS

The City of Madison has adopted a local preference purchasing policy granting a scoring preference to local suppliers. Only suppliers registered as of the bid's due date will receive preference. Learn more and register at the City of Madison website. <https://www.cityofmadison.com/finance/purchasing/local-businesses/register-business/>

CHECK ONLY ONE:			
<input type="checkbox"/>	Yes , we are a local vendor and have registered on the City of Madison website under the following category: _____		
<input type="checkbox"/>	No , we are not a local vendor or have not registered.		



Form D: Cost Proposal

RFP #: 13040-0-2024-BP Engineering Structures

This form must be returned with your response.

Prepare the fee proposal as all inclusive, not-to-exceed, fixed fees:

- All Inclusive – Covers all direct and indirect necessary expenses including but not limited to; travel, telephone, copying and other out-of-pocket expenses.
- Not To Exceed – The actual fees shall not exceed the amount specified in fee proposal.
- Fixed Fee – All prices, rates, fees and conditions outlined in the proposal shall remain fixed and valid for the entire length of the contract and any/all renewals.

Any pricing increases or additions must be agreed upon in writing by both parties.

Part 1

Please provide pricing for each of the following as listed in section 2 of the RFP:

Project	Total Cost Not to Exceed	Estimated Hours
1) Park Street Pedestrian Overpass (P-13-760)	\$	
2) Portland Parkway to Demsey Road (structure P-13-341)	\$	
3) Badger Road Bridge (B-13-206)	\$	
4) Reindahl Barn (1818 Portage Road, Madison, WI)	\$	
Total	\$	

Part 2

1) Please provide the hourly billing rates for all team members that would be assigned this RFP.

Position	Name (if known)	Hourly Billing Rate

2) Please indicate the percentage increase for the following future years:

2025 Rates: _____% (percent increase from Year 1, 2024)

2026 Rates: _____% (percent increase from Year 2, 2025)

COMPANY NAME



Form E: References

RFP #:

This form must be returned with your response.

Please list three references that are **NOT** from the City of Madison. If you wish to highlight any additional work experience for the City of Madison, please list it on a separate page.

REFERENCE #1 – CLIENT INFORMATION	
ORGANIZATION/COMPANY NAME	PROJECT MANAGER
TELEPHONE NUMBER	EMAIL
PROJECT START DATE	PROJECT END DATE
PROJECT DESCRIPTION	

REFERENCE #2 – CLIENT INFORMATION	
ORGANIZATION/COMPANY NAME	PROJECT MANAGER
TELEPHONE NUMBER	EMAIL
PROJECT START DATE	PROJECT END DATE
PROJECT DESCRIPTION	

REFERENCE #3 – CLIENT INFORMATION	
ORGANIZATION/COMPANY NAME	PROJECT MANAGER
TELEPHONE NUMBER	EMAIL
PROJECT START DATE	PROJECT END DATE
PROJECT DESCRIPTION	

ORGANIZATION/COMPANY NAME



CITY OF MADISON

1. **General.** Throughout this document, "City of Madison," "City" and "Purchasing" shall be synonymous and mean the City of Madison. The words "bid" and "proposal" are synonymous, as are the words "bidder," "proposer" and "contractor." The phrases "request for proposal," "invitation for bids," "request," "invitation," and "solicitation" shall also be synonymous.
As applied to the winning or selected bidder, the words "bid," "proposal," and "contract" are synonymous.
 2. **Entire Agreement, Order of Precedence.** These standard terms and conditions shall apply to any Purchase Order issued as a result of this Request for Bid/Proposal, except where expressly stated otherwise in the RFP or in a written instrument covering this purchase signed by an authorized representative of the City and the Contractor, in a form approved by the City Attorney (a "Separate Contract"). If such a separate contract is executed it shall constitute the entire agreement and no other terms and conditions, whether oral or written, shall be effective or binding unless expressly agreed to in writing by the City.
If a Separate Contract is not executed, these Standard Terms and Conditions, the City's request for proposals, the version of the vendor's bid that was accepted by the City, and the City's Purchase Order (if any) shall constitute a contract and will be the entire agreement.
Order of Precedence: If there is a conflict between this Section A and any terms in the vendor's accepted bid or proposal, this Section A shall control unless the parties expressly agree to another order of precedence, in writing. If there is a conflict between this Section A and a Separate Contract, the terms and conditions of the Separate Contract shall control.
- I. TERMS FOR SUBMISSION OF BIDS: The following section applies to the bid/selection process only.**
3. This invitation for bids does not commit the City to award a contract, pay any costs incurred in preparation of bids, or to procure or contract for services or equipment. The City may require the bidder to participate in negotiation and to submit such additional price or technical or other revisions to his or her bids as may result from negotiation. The bidder shall be responsible for all costs incurred as part of his or her participation in the pre-award process.
The City reserves the right to accept or reject any or all bids submitted, in whole or in part, and to waive any informalities or technicalities which at the City's discretion are determined to be in the best interests of the City. Further, the City makes no representations that a contract will be awarded to any offeror responding to this request. The City expressly reserves the right to reject any and all bids responding to this invitation without indicating any reasons for such rejections(s).
The City reserves the right to postpone due dates and openings for its own convenience and to withdraw this solicitation at any time without prior notice.
 4. **Addenda.** Changes affecting the specifications will be made by addenda. Changes may include, or result in, a postponement in the bid due date. Bidders are required to complete the Bidder Response Sheet, acknowledging receipt of all parts of the bid, including all addenda.
 5. **Price Proposal.** All bidders are required to identify the proposed manufacturer and model, and to indicate the proposed delivery time on the attached Proposal Form. Failure to do so may cause the bid to be considered not responsive. If desired, the bidder may include product literature and specifications. The price quoted will remain firm throughout each contract period. Any price increase proposed shall be submitted sixty (60) calendar days prior to subsequent contract periods and shall be limited to fully documented cost increases to the bidder which are demonstrated to be industry-wide.
 6. **Price Inclusion.** The price quoted in any bid shall include all items of labor, materials, tools, equipment, and other costs necessary to fully complete the furnishing and delivery of equipment or services pursuant to the specifications attached thereof. Any items omitted from the specifications which are clearly necessary for the completion of the project shall be considered a portion of the specifications although not directly specified or called for in these specifications.
 7. **Pricing and Discount.**
 - a. Unit prices shown on the bid/proposal or contract shall be the price per unit of sale (e.g., gal., cs., doz., ea., etc.) as stated on the bid/proposal or contract. For any given item, the quantity multiplied by the unit price shall establish the extended price. If an apparent mistake exists in the extended price, the unit price shall govern in the bid/proposal evaluation and contract administration.
 - b. In determination of award, discounts for early payment will only be considered when all other conditions are equal. Early payment is defined as payment within fifteen (15) days providing the discount terms are deemed favorable. All payment terms must allow the option of Net 30.
 8. **F.O.B. Destination Freight Prepaid.** Bid prices must include all handling, transportation and insurance charges. Failure to bid FOB Destination Freight Prepaid may disqualify your bid.
 9. **Award.**
 - a. The City will have sole discretion as to the methodology used in making the award. Where none is specified, the award will be made to the lowest responsible bidder in compliance with the specifications and requirements of this solicitation.
 - b. The right is reserved to make a separate award of each item, group of items or all items, and to make an award in whole or in part, whichever is deemed in the best interest of the City.
 10. **Responsiveness and Responsibility.** Award will be made to the responsible and responsive bidder whose bid is most advantageous to the City with price and other factors considered. For the purposes of this project, responsiveness is defined as the bidder's conformance to the requirements of the solicitation. Being not responsive includes the failure to furnish information requested.
Responsibility is defined as the bidder's potential ability to perform successfully under the terms of the proposed contract. Briefly, a responsible bidder has adequate financial resources or the ability to obtain said resources; can comply with required delivery taking into

account other business commitments; has a satisfactory performance record; has a satisfactory record of integrity and business ethics; and has the necessary organization, experience and technical skills.

The City reserves the right to refuse to accept any bid from any person, firm or corporation that is in arrears or is in default to the City, or has failed to perform faithfully any previous contract with the City. If requested, the bidder must present within five (5) working days evidence satisfactory to the City of performance ability and possession of necessary facilities, financial resources, adequate insurance, and any other resources required to determine the bidder's ability to comply with the terms of this solicitation document.

11. Cancellation.

- a. The City reserves the right to cancel this bid, in whole or in part, at any time for any reason. The City may, in its sole discretion and without any reason, cancel or terminate any contract or purchase order awarded as a result of this bid, in whole or in part, without penalty, by providing ten (10) days written notice thereof to the contractor.
- a. In the event the Bidder shall default in any of the covenants, agreements, commitments, or conditions and any such default shall continue unremedied for a period of ten (10) days after written notice to the Bidder, the City may, at its option and in addition to all other rights and remedies which it may have, terminate the Agreement and all rights of the Bidder under the Agreement.
- b. Failure to maintain the required certificates of insurance, permits, licenses and bonds will be cause for contract termination. If the Bidder fails to maintain and keep in force the insurance, if required, the City shall have the right to cancel and terminate the contract without notice.

II. CONDITIONS OF PURCHASE: The following section applies to purchases/contracts after the award. See Paragraphs 1 & 2 for applicability and order of precedence.

12. Specifications.

- a. All bidders must be in compliance with all specifications and any drawings provided with this solicitation. Exceptions taken to these specifications must be noted on your bid.
- b. When specific manufacturer and model numbers are used, they are to establish a design, type, construction, quality, functional capability and/or performance level desired. When alternates are bid/proposed, they must be identified by manufacturer, stock number, and the bidder/proposer is responsible for providing sufficient information to establish equivalency. The City shall be the sole judge of equivalency. Bidders are cautioned to avoid bidding alternates which do not meet specifications, which may result in rejection of their bid/proposal.

13. Regulatory Compliance.

- a. Seller represents and warrants that the goods or services furnished hereunder, including all labels, packages, and container for said goods, comply with all applicable standards, rules and regulations in effect under the requirements of all Federal, State and local laws, rules and regulations as applicable, including the Occupational Safety and Health Act (OSHA), as amended, with respect to design, manufacture or use for their intended purpose of said goods or services. Seller shall furnish Material Safety Data Sheets (MSDS) whenever applicable.
- b. If it is determined by the City that such standards are not met, the seller agrees to bear all costs required to meet the minimum standards as stated above for the equipment/products furnished under this contract.

14. Warranty. Unless otherwise specifically stated by the bidder, products shall be warranted against defects by the bidder for ninety (90) days from the date of receipt. If bidder or manufacturer offers warranty that exceeds 90 days, such warranty shall prevail.

15. Ownership of Printing Materials. All artwork, camera-ready copy, negative, dies, photos and similar materials used to produce a printing job shall become the property of the City. Any furnished materials shall remain the property of the City. Failure to meet this requirement will disqualify your bid.

16. Item Return Policy. Bidder will be required to accept return of products ordered in error for up to twenty-one (21) calendar days from date of receipt, with the City paying only the return shipping costs. Indicate in detail on the Bidder Response Sheet, your return policy.

17. Payment Terms and Invoicing. The City will pay properly submitted vendor invoices within thirty (30) days of receipt, providing good and/or services have been delivered, installed (if required), and accepted as specified.

- a. Payment shall be considered timely if the payment is mailed, delivered, or transferred within thirty (30) days after receipt of a properly completed invoice, unless the vendor is notified in writing by the agency of a dispute before payment is due.
- b. Invoices presented for payment must be submitted in accordance with instructions contained on the purchase order, including reference to purchase order and submittal to the correct address for processing. Invoice payment processing address is shown on the upper middle section of the purchase order. Send invoices to Accounts Payable address on the purchase order. Do not send invoices to Purchasing or ship to address.
- c. Bidders, proposers shall include discounts for early payment as a percent reduction of invoice. Invoice discounts shall be determined where applicable, from the date of acceptance of goods and/or the receipt of invoice, whichever is later. Discounts for early payment terms stated on the bid/proposal must be shown plainly on the invoice; discounts for early payment not shown on the invoice will be taken.
- d. Invoices submitted not in accordance with these instructions will be removed from the payment process and returned within ten (10) days.

18. F.O.B. Destination Freight Prepaid. Unless otherwise agreed in writing, the vendor shall bear all handling, transportation and insurance charges. Title of goods shall pass upon acceptance of goods at the City's dock.

19. Tax Exemption. The City of Madison is exempt from the payment of Federal Excise Tax and State Sales Tax. **The City Tax Exempt number is ES 42916.** Any other sales tax, use tax, imposts, revenues, excise, or other taxes which are now, or which may hereafter be imposed by Congress, the State of Wisconsin, or any other political subdivision thereof and applicable to the sale of material delivered as a result of the bidder's bid and which, by terms of the tax law, may be passed directly to the City, will be paid by the City.

20. Affirmative Action.

A. The following language applies to all successful bidders employing fifteen (15) or more employees (MGO 39.02(9)(c):

The Contractor agrees that, within thirty (30) days after the effective date of this Contract, Contractor will provide to the City of Madison Department of Civil Rights (the "Department"), certain workforce utilization statistics, using a form provided by the City.

If the Contract is still in effect, or if the City enters into a new Agreement with the Contractor, within one year after the date on which the form was required to be provided, the Contractor will provide updated workforce information using a second form, also to be furnished by the City. The second form will be submitted to the Department no later than one year after the date on which the first form was required to be provided.

The Contractor further agrees that, for at least twelve (12) months after the effective date of this Contract, it will notify the Department of each of its job openings at facilities in Dane County for which applicants not already employees of the Contractor are to be considered. The notice will include a job description, classification, qualifications, and application procedures and deadlines, shall be provided to the City by the opening date of advertisement and with sufficient time for the City to notify candidates and make a timely referral. The Contractor agrees to interview and consider candidates referred by the Department, or an organization designated by the Department, if the candidate meets the minimum qualification standards established by the Contractor, and if the referral is timely. A referral is timely if it is received by the Contractor on or before the date stated in the notice.

The Department will determine if a contractor is exempt from the above requirements (Sec. 20.A.) at the time the Request for Exemption in 20.B.(2) is made.

B. Articles of Agreement, Request for Exemption, and Release of Payment:

The "ARTICLES OF AGREEMENT" beginning on the following page, apply to all contractors, unless determined to be exempt under the following table and procedures:

NUMBER OF EMPLOYEES	LESS THAN \$50,000 Aggregate Annual Business with the City*	\$50,000 OR MORE Aggregate Annual Business with the City*
14 or less	Exempt**	Exempt**
15 or more	Exempt**	Not Exempt

*As determined by the Finance Director

**As determined by the Department of Civil Rights

(1) Exempt Status: In this section, "Exempt" means the Contractor is exempt from the Articles of Agreement in section 20.B.(5) of this Contract and from filing an Affirmative Action plan as required by Section IV of the Articles of Agreement. The Department of Civil Rights ("Department") makes the final determination as to whether a contractor is exempt. If the Contractor is not exempt, sec. 20.B.(5) shall apply and Contractor shall select option A. or B. under Article IV therein and file an Affirmative Action Plan.

(2) Request for Exemption – Fewer Than 15 Employees: (MGO 39.02(9)(a)2.) Contractors who believe they are exempt based on number of employees shall submit a Request for Exemption on a form provided by the Department within thirty (30) days of the effective date of this Contract.

(3) Exemption – Annual Aggregate Business: (MGO 39.02(9)(a)c.): The Department will determine, at the time this Contract is presented for signature, if the Contractor is exempt because it will have less than \$50,000 in annual aggregate business with the City for the calendar year in which the contract is in effect. **CONTRACTORS WITH 15 OR MORE EMPLOYEES WILL LOSE THIS EXEMPTION AND BECOME SUBJECT TO SEC. 20.B.(5) UPON REACHING \$50,000 OR MORE ANNUAL AGGREGATE BUSINESS WITH THE CITY WITHIN THE CALENDAR YEAR, BEGINNING IN 2019.**

(4) Release of Payment: (MGO 39.02(9)(e)1.b.) All non-exempt contractors must have an approved Affirmative Action plan meeting the requirements of Article IV below on file with the Department within thirty (30) days of the effective date of this Contract and prior to release of payment by the City. Contractors that are exempt based on number of employees agree to file a Request for Exemption with the Department within thirty (30) days of the effective date and prior to release of payment by the City.

(5) Articles of Agreement:

ARTICLE I

The Contractor shall take affirmative action in accordance with the provisions of this Contract to ensure that applicants are employed, and that employees are treated during employment without regard to race, religion, color, age, marital status, disability, sex, sexual orientation, gender identity or national origin and that the employer shall provide harassment-free work environment for the realization of the potential of each employee. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation and selection for training including apprenticeship insofar as it is within the control of the Contractor. The Contractor agrees to post in conspicuous places available to employees and applicants notices to be provided by the City setting out the provisions of the nondiscrimination clauses in this Contract.

ARTICLE II

The Contractor shall in all solicitations or advertisements for employees placed by or on behalf of the Contractors state that all qualified or qualifiable applicants will be employed without regard to race, religion, color, age, marital status, disability, sex, sexual orientation, gender identity or national origin.

ARTICLE III

The Contractor shall send to each labor union or representative of workers with which it has a collective bargaining Agreement or other Contract or understanding a notice to be provided by the City advising the labor union or workers representative of the Contractor's equal employment opportunity and affirmative action commitments. Such notices shall be posted in conspicuous places available to employees and applicants for employment.

ARTICLE IV

(This Article applies to non-public works contracts.)

The Contractor agrees that it will comply with all provisions of the Affirmative Action Ordinance of the City of Madison (MGO 39.02) including the Contract compliance requirements. The Contractor warrants and certifies that one of the following paragraphs is true (check one):

- A. Contractor has prepared and has on file an affirmative action plan that meets the format requirements of Federal Revised Order No. 4, 41 CFR part 60-2, as established by 43 FR 51400 November 3, 1978, including appendices required by City of Madison ordinances or it has prepared and has on file a model affirmative action plan approved by the Madison Common Council.
- B. Within thirty (30) days after the effective date of this Contract, Contractor will complete an affirmative action plan that meets the format requirements of Federal Revised Order No. 4, 41 CFR Part 60-2, as established by 43 FR 51400, November 3, 1978, including appendices required by City of Madison ordinance or within thirty (30) days after the effective date of this Contract, it will complete a model affirmative action plan approved by the Madison Common Council.
- C. Contractor believes it is exempt from filing an affirmative action plan because it has fewer than fifteen (15) employees and has filed, or will file within thirty (30) days after the effective date of this Contract, a form required by the City to confirm exempt status based on number of employees. If the City determines that Contractor is not exempt, the Articles of Agreement will apply.
- D. Contractor believes it is exempt from filing an affirmative action plan because its annual aggregate business with the City for the calendar year in which the contract is in effect is less than fifty thousand dollars (\$50,000), or for another reason listed in MGO 39.02(9)(a)2. If the City determines that Contractor is not exempt, the Articles of Agreement will apply.

ARTICLE V

(This Article applies only to public works contracts.)

The Contractor agrees that it will comply with all provisions of the Affirmative Action Ordinance of the City of Madison, including the Contract compliance requirements. The Contractor agrees to submit the model affirmative action plan for public works Contractors in a form approved by the Director of Affirmative Action.

ARTICLE VI

The Contractor will maintain records as required by Section 39.02(9)(f) of the Madison General Ordinances and will provide the City's Department of Affirmative Action with access to such records and to persons who have relevant and necessary information, as provided in Section 39.02(9)(f). The City agrees to keep all such records confidential, except to the extent that public inspection is required by law.

ARTICLE VII

In the event of the Contractor's or subcontractor's failure to comply with the Equal Employment Opportunity and Affirmative Action provisions of this Contract or Sections 39.03 and 39.02 of the Madison General Ordinances, it is agreed that the City at its option may do any or all of the following:

- A. Cancel, terminate or suspend this Contract in whole or in part.
- B. Declare the Contractor ineligible for further City contracts until the Affirmative Action requirements are met.
- C. Recover on behalf of the City from the prime Contractor 0.5 percent of the Contract award price for each week that such party fails or refuses to comply, in the nature of liquidated damages, but not to exceed a total of five percent (5%) of the Contract price, or ten thousand dollars (\$10,000), whichever is less. Under public works contracts, if a subcontractor is in noncompliance, the City may recover liquidated damages from the prime Contractor in the manner described above. The preceding sentence shall not be construed to prohibit a prime Contractor from recovering the amount of such damage from the noncomplying subcontractor.

ARTICLE VIII

(This Article applies to public works contracts only.)

The Contractor shall include the above provisions of this Contract in every subcontract so that such provisions will be binding upon each subcontractor. The Contractor shall take such action with respect to any subcontractor as necessary to enforce such provisions, including sanctions provided for noncompliance.

ARTICLE IX

The Contractor shall allow the maximum feasible opportunity to small business enterprises to compete for any subcontracts entered into pursuant to this Contract. (In federally funded contracts the terms "DBE, MBE, and WBE" shall be substituted for the term "small business" in this Article.)

21. Nondiscrimination. During the term of this Contract, the Contractor agrees not to discriminate against any employee or applicant for employment because of race, religion, marital status, age, color, sex, handicap, national origin or ancestry, income level or source of income, arrest record or conviction record, less than honorable discharge, physical appearance, sexual orientation, gender identity, political beliefs

or student status. Contractor further agrees not to discriminate against any subcontractor or person who offers to subcontract on this Contract because of race, religion, color, age, disability, sex, sexual orientation, gender identity or national origin.

22. Prevailing Wage. Where applicable under federal law, the Contractor warrants that prevailing wages will be paid to all trades and occupations.
23. **Indemnification.** The Contractor shall be liable to and hereby agrees to indemnify, defend and hold harmless the City of Madison, and its officers, officials, agents, and employees against all loss or expense (including liability costs and attorney's fees) by reason of any claim or suit, or of liability imposed by law upon the City or its officers, officials, agents or employees for damages because of bodily injury, including death at any time resulting therefrom, sustained by any person or persons or on account of damages to property, including loss of use thereof, arising from, in connection with, caused by or resulting from the acts or omissions of Contractor and any of Contractor's subcontractors in the performance of this agreement, whether caused by or contributed to by the negligence of the City or its officers, officials, agents or employees.
24. Insurance.
The Contractor will insure, and will require each subcontractor to insure, as indicated, against the following risks to the extent stated below. The Contractor shall not commence work under this Contract, nor shall the Contractor allow any Subcontractor to commence work on its Subcontract, until the insurance required below has been obtained and corresponding certificate(s) of insurance have been approved by the City Risk Manager.
- a. Commercial General Liability - The Contractor shall procure and maintain during the life of this contract, Commercial General Liability insurance including, but not limited to, products and completed operations, bodily injury, property damage, personal injury, and products and completed operations (unless determined to be inapplicable by the Risk Manager) in an amount not less than \$1,000,000 per occurrence. This policy shall also provide contractual liability in the same amount. Contractor's coverage shall be primary and list the City of Madison, its officers, officials, agents and employees as additional insureds. Contractor shall require all subcontractors under this Contract (if any) to procure and maintain insurance meeting the above criteria, applying on a primary basis and listing the City of Madison, its officers, officials, agents and employees as additional insureds.
 - b. Automobile Liability - The Contractor shall procure and maintain during the life of this contract Business Automobile Liability insurance covering owned, non-owned and hired automobiles with limits of not less than \$1,000,000 combined single limit per accident. Contractor shall require all subcontractors under this Contract (if any) to procure and maintain insurance covering each subcontractor and meeting the above criteria.
 - c. Worker's Compensation - The Contractor shall procure and maintain during the life of this contract statutory Workers' Compensation insurance as required by the State of Wisconsin. The Contractor shall also carry Employers Liability limits of at least \$100,000 Each Accident, \$100,000 Disease – Each Employee, and \$500,000 Disease – Policy Limit. Contractor shall require all subcontractors under this Contract (if any) to procure and maintain such insurance, covering each subcontractor.
 - d. Professional Liability - The Contractor shall procure and maintain professional liability insurance with coverage of not less than \$1,000,000. If such policy is a "claims made" policy, all renewals thereof during the life of the contract shall include "prior acts coverage" covering at all times all claims made with respect to Contractor's work performed under the contract. This Professional Liability coverage must be kept in force for a period of six (6) years after the services have been accepted by the City.
 - e. Acceptability of Insurers - The above-required insurance is to be placed with insurers who have an A.M. Best rating of no less than A- (A minus) and a Financial Category rating of no less than VII.
 - f. Proof of Insurance, Approval. The Contractor shall provide the City with certificate(s) of insurance showing the type, amount, effective dates, and expiration dates of required policies prior to commencing work under this Contract. Contractor shall provide the certificate(s) to the City's representative upon execution of the Contract, or sooner, for approval by the City Risk Manager. If any of the policies required above expire while this Contract is in effect, Contractor shall provide renewal certificate(s) to the City for approval. Certificate Holder language should be listed as follows:
City of Madison
ATTN: Risk Management, Room 406
210 Martin Luther King, Jr. Blvd.
Madison, WI 53703
- The Contractor shall provide copies of additional insured endorsements or insurance policies, if requested by the City Risk Manager. The Contractor and/or Insurer shall give the City thirty (30) days advance written notice of cancellation, non-renewal or material changes to any of the above-required policies during the term of this Contract.
25. Work Site Damages. Any damage, including damage to finished surfaces, resulting from the performance of this contract shall be repaired to the Owner's satisfaction at the Contractor's expense.
26. Compliance.
- a. Regulations. The Contractor shall give all notices and comply with all laws, ordinances, rules, regulations and lawful orders of any public authority bearing on the performance of the work.
 - b. Licensing and Permits. The Contractor selected under this bid shall be required to demonstrate valid **possession of appropriate required licenses and will** keep them in effect for the term of this contract. The Contractor shall also be required, when appropriate, to obtain the necessary building permits prior to performing work on City facilities.
27. Warranty of Materials and Workmanship.
- a. The Contractor warrants that, unless otherwise specified, all materials and equipment incorporated in the work under the Contract shall be new, first class, and in accordance with the Contract Documents. The Contractor further warrants that all workmanship shall be first class and in accordance with the Contract Documents and shall be performed by persons qualified in their respective trades.
 - b. Work not conforming to these warranties shall be considered defective.

c. This warranty of materials and workmanship is separate and independent from and in addition to any other guarantees in this Contract.

28. Replacement of Defective Work or Materials. Any work or material found to be in any way defective or unsatisfactory shall be corrected or replaced by the Contractor at its own expense at the order of the City notwithstanding that it may have been previously overlooked or passed by an inspector. Inspection shall not relieve the Contractor of its obligations to furnish materials and workmanship in accordance with this contract and its specifications.
29. Reservation of the Right to Inspect Work. At any time during normal business hours and as often as the City may deem necessary, the Contractor shall permit the authorized representatives of the City to review and inspect all materials and workmanship at any time during the duration of this contract, provided, however, the City is under no duty to make such inspections, and any inspection so made shall not relieve the Contractor from any obligation to furnish materials and workmanship strictly in accordance with the instructions, contract requirements and specifications.
30. Sweatfree Procurement of Items of Apparel. If this bid results in the procurement of \$15,000 or more in garments or items of clothing, any part of which is a textile, or any shoes/ footwear, then Sec. 4.25 of the Madison General Ordinances, "Procurement of Items of Apparel", is hereby incorporated by reference and made part of this contract. See Section 4.25(2) at www.municode.com for applicability specifics. The contractor shall follow labor practices consistent with international standards of human rights, meaning that, at a minimum, contractor shall adhere to the minimum employment standards found in Section 4.25 and shall require all subcontractors and third-party suppliers to do the same. For purposes of sec. 4.25, "Subcontractor" means a person, partnership, corporation or other entity that enters into a contract with the contractor for performance of some or all of the City-contracted work and includes all third-party suppliers or producers from whom the contractor or its contractors obtains or sources goods, parts or supplies for use on the city contract and is intended to include suppliers at all level of the supply chain. The standards in Sec. 4.25 shall apply in all aspects of the contractor's and subcontractor's operations, including but not limited to, manufacture, assembly, finishing, laundering or dry cleaning, (where applicable), warehouse distribution, and delivery. Contractor acknowledges that by entering into this contract, Contractor shall be subject to all of the requirements and sanctions of sec. 4.25 of the Madison General Ordinances.
- The sanctions for violating Sec. 4.25 under an existing contract are as follows:
- a. Withholding of payments under an existing contract.
 - b. Liquidated damages. The contractor may be charged liquidated damages on an existing contract of two thousand dollars (\$2,000) per violation, or an amount equaling twenty percent (20%) of the value of the apparel, garments or corresponding accessories, equipment, materials, or supplies that the City demonstrates were produced in violation of the contract and/or this ordinance per violation; whichever is greater.
 - c. Termination, suspension or cancellation of a contract in whole or in part.
 - d. Nonrenewal when a contract calls for optional renewals.
 - e. Nonrenewal for lack of progress or impossible compliance. The City reserves the right to refuse to renew the contract that calls for optional renewals, when the contractor cannot comply with the minimum standard under (4)(b) and the noncompliance is taking place in a country where:
 - (1) Progress toward implementation of the standards in this Ordinance is no longer being made; and
 - (2) Compliance with the employment standards in the Ordinance is deemed impossible by the City and/or any independent monitoring agency acting on behalf of the City. Such determination shall be made in the sole opinion of the City and may be based upon examination of reports from governmental, human rights, labor and business organizations and after consultation with the relevant contractors and sub-contractors and any other evidence the City deems reliable.
 - f. Disqualification of the contractor from bidding or submitting proposals on future City contracts, or from eligibility for future city procurements as defined in sub. (2), whether or not formal bidding or requests for proposals are used, for a period of one (1) year after the first violation is found and for a period of three (3) years after a second or subsequent violation is found. The disqualification shall apply to the contractor who committed the violation(s) whether that be under the same corporate name, or as an individual, or under the name of another corporation or business entity of which he or she is a member, partner, officer, or agent.
- The exercise by the City of any or all of the above remedies, or failure to so exercise, shall not be construed to limit other remedies available to the City under this Contract nor to any other remedies available at equity or at law.
31. Local Purchasing. The City of Madison has adopted a local preference purchasing policy granting a 5 percent request for proposal and 1 percent request for bid scoring preference to local vendors.
- To facilitate the identification of local suppliers, the City has provided an on-line website as an opportunity for suppliers to voluntarily identify themselves as local, and to assist City staff with their buying decisions. Proposers seeking to obtain local preference are required to register on the City of Madison online registration website. Only vendors registered as of the bid due date will receive preference. Additional information is available at: <https://www.cityofmadison.com/finance/purchasing/local-businesses/register-business/>.
32. Weapons Prohibition. Contractor shall prohibit, and shall require its subcontractors to prohibit, its employees from carrying weapons, including concealed weapons, in the course of performance of work under this Contract, other than while at the Contractor's or subcontractor's own business premises. This requirement shall apply to vehicles used at any City work site and vehicles used to perform any work under this Contract, except vehicles that are an employee's "own motor vehicle" pursuant to Wis. Stat. sec. 175.60(15m). This section does not apply to employees who are required to carry a weapon under the express terms of the Contract (such as armed security guard services, etc.).
33. Software & Technology Purchases.
- a. Software Licenses. All software license agreements shall include the City's mandatory legal terms and conditions as determined by the City Attorney. Please be advised that no City employee has the authority to bind the City by clicking on an End User License Agreement (EULA) or any other click-through terms and conditions without being specifically authorized by the City's Chief Information Officer through procedures approved by the City Attorney and Risk Manager. All legal documents associated with the purchase or download of software must be reviewed by the City Attorney and may only be signed by an individual authorized to do so.

- b. Network Connection Policy. If this purchase includes software support, software maintenance, network services, and/or system development services and will require a Network Connection the City Network (as defined in the following link), the City's Network Connection Policy found at this link: www.cityofmadison.com/attorney/documents/posNetworkConnection.doc is hereby incorporated and made a part of the Contract and Contractor agrees to comply with all of its requirements.

34. Ban the Box - Arrest and Criminal Background Checks.

This provision applies to service contracts of more than \$25,000 executed by the City on January 1, 2016 or later, unless exempt by Sec. 39.08 of the Madison General Ordinances (MGO).

- a. Definitions. For purposes of this requirement, "Arrest and Conviction Record" includes, but is not limited to, information indicating that a person has been questioned, apprehended, taken into custody or detention, held for investigation, arrested, charged with, indicted or tried for any felony, misdemeanor or other offense pursuant to any law enforcement or military authority.

"Conviction record" includes, but is not limited to, information indicating that a person has been convicted of a felony, misdemeanor or other offense, placed on probation, fined, imprisoned or paroled pursuant to any law enforcement or military authority.

"Background Check" means the process of checking an applicant's arrest and conviction record, through any means.

- b. Requirements. For the duration of any contract awarded under this RFP, the successful contractor shall:

- (1) Remove from all job application forms any questions, check boxes, or other inquiries regarding an applicant's arrest and conviction record, as defined herein.
- (2) Refrain from asking an applicant in any manner about their arrest or conviction record until after a conditional offer of employment is made to the applicant in question.
- (3) Refrain from conducting a formal or informal background check or making any other inquiry using any privately or publicly available means of obtaining the arrest or conviction record of an applicant until after a conditional offer of employment is made to the applicant in question.
- (4) Make information about this ordinance available to applicants and existing employees, and post notices in prominent locations at the workplace with information about the ordinance and complaint procedure, using language provided by the City.
- (5) Comply with all other provisions of Sec. 39.08, MGO.

- c. Exemptions: This section does not apply when:

- (1) Hiring for a position where certain convictions or violations are a bar to employment in that position under applicable law, or
- (2) Hiring a position for which information about criminal or arrest record, or a background check is required by law to be performed at a time or in a manner that would otherwise be prohibited by this ordinance, including a licensed trade or profession where the licensing authority explicitly authorizes or requires the inquiry in question.

To be exempt under sec. C.1. or 2. above, contractor must demonstrate to the City that there is a law or regulation that requires the background check in question. If so, the contractor is exempt from this section for the position(s) in question.

City of Madison
CONTRACT FOR PURCHASE OF SERVICES
(Design Professionals)

1. PARTIES.

This is a Contract between the City of Madison, Wisconsin, hereafter referred to as the "City" and _____ hereafter referred to as "Contractor".

The Contractor is a: Corporation Limited Liability Company General Partnership LLP
 (to be completed by contractor) Sole Proprietor Unincorporated Association Other: _____.

2. PURPOSE.

The purpose of this Contract is as set forth in Section 3.

3. SCOPE OF SERVICES AND SCHEDULE OF PAYMENTS.

Contractor will perform the following services and be paid according to the following schedule(s) or attachment(s):

Order of Precedence: In the event of a conflict between the terms of this Contract for Purchase of Services and the terms of any document attached or incorporated herein, the terms of this Contract for Purchase of Services shall control and supersede any such conflicting term.

4. TERM AND EFFECTIVE DATE.

This Contract shall become effective upon execution by the Mayor, (or the Purchasing Agent, if authorized) on behalf of the City of Madison, unless another effective date is specified in the Attachment(s) incorporated in Section 3, however in no case shall work commence before execution by the City of Madison. The term of this Contract shall be .

5. ENTIRE AGREEMENT.

This Contract for Purchase of Services, including any and all attachments, exhibits and other documents referenced in Section 3 (hereafter, "Agreement" or "Contract") is the entire Agreement of the parties and supersedes any and all oral contracts and negotiations between the parties. If any document referenced in Section 3 includes a statement that expressly or implicitly disclaims the applicability of this Contract for Purchase of Services, or a statement that such other document is the "entire agreement," such statement shall be deemed rejected and shall not apply to this Contract.

6. ASSIGNABILITY/SUBCONTRACTING.

Contractor shall not assign or subcontract any interest or obligation under this Contract without the City's prior written approval. All of the services required hereunder will be performed by Contractor and employees of Contractor.

7. DESIGNATED REPRESENTATIVE.

Contractor designates _____ as Contract Agent with primary responsibility for the performance of this Contract. If the Contract Agent resigns, is replaced, or is no longer acting as Contract Agent for any reason, Contractor will notify the City in writing of the change, and propose a replacement Contract Agent within seven (7) calendar days. The City may accept another person as the Contract Agent or may terminate this Contract under Section 25, at its option.

8. PROSECUTION AND PROGRESS.

- A. Services under this Agreement shall commence upon written order from the City to the Contractor. This order will constitute authorization to proceed.
- B. The Contractor shall complete the services under this Agreement within the time for completion specified in the Scope of Services, including any amendments. The Contractor's services are completed when the City notifies the Contractor in writing that the services are complete and are acceptable. The time for completion shall not be extended because of any delay attributable to the Contractor, but it may be extended by the City in the event of a delay attributable to the City, or in the event of unavoidable delay caused by war, insurrection, natural disaster, or other unexpected event beyond the control of the Contractor. If at any time the Contractor believes that the time for completion of the work should be extended because of unavoidable delay caused by an unexpected event, or because of a delay attributable to the City, the Contractor shall notify the City as soon as possible, but not later than seven (7) calendar days after such an event. Such notice shall include any justification for an extension of time and shall identify the amount of time claimed to be necessary to complete the work.
- C. Services by the Contractor shall proceed continuously and expeditiously through completion of each phase of the work.
- D. Progress reports documenting the extent of completed services shall be prepared by the Contractor and submitted to the City with each invoice under Section 24 of this Agreement, and at such other times as the City may specify.
- E. The Contractor shall notify the City in writing when the Contractor has determined that the services under this Agreement have been completed. When the City determines that the services are complete and are acceptable, the City will provide written notification to the Contractor, acknowledging formal acceptance of the completed services.

9. AMENDMENT.

This Contract shall be binding on the parties hereto, their respective heirs, devisees, and successors, and cannot be varied or waived by any oral representations or promise of any agent or other person of the parties hereto. Any other change in any provision of this Contract may only be made by a written amendment, signed by the duly authorized agent or agents who executed this Contract.

10. **EXTRA SERVICES.**

The City may require the Contractor to perform extra services or decreased services, according to the procedure set forth in Section 24. Extra services or decreased services means services which are not different in kind or nature from the services called for in the Scope of Services, Section 3, but which may increase or decrease the quantity and kind of labor or materials or expense of performing the services. Extra services may not increase the total Contract price, as set forth in Section 23, unless the Contract is amended as provided in Section 9 above.

11. **NO WAIVER.**

No failure to exercise, and no delay in exercising, any right, power or remedy hereunder on the part of the City or Contractor shall operate as a waiver thereof, nor shall any single or partial exercise of any right, power or remedy preclude any other or further exercise thereof or the exercise of any other right, power or remedy. No express waiver shall affect any event or default other than the event or default specified in such waiver, and any such waiver, to be effective, must be in writing and shall be operative only for the time and to the extent expressly provided by the City or Contractor therein. A waiver of any covenant, term or condition contained herein shall not be construed as a waiver of any subsequent breach of the same covenant, term or condition.

12. **NONDISCRIMINATION.**

During the term of this Contract, the Contractor agrees not to discriminate against any employee or applicant for employment because of race, religion, marital status, age, color, sex, handicap, national origin or ancestry, income level or source of income, arrest record or conviction record, less than honorable discharge, physical appearance, sexual orientation, gender identity, political beliefs or student status. Contractor further agrees not to discriminate against any subcontractor or person who offers to subcontract on this Contract because of race, religion, color, age, disability, sex, sexual orientation, gender identity or national origin.

13. **AFFIRMATIVE ACTION.**

A. The following language applies to all contractors employing fifteen (15) or more employees (MGO 39.02(9)(c):

The Contractor agrees that, within thirty (30) days after the effective date of this Contract, Contractor will provide to the City of Madison Department of Civil Rights (the "Department"), certain workforce utilization statistics, using a form provided by the City.

If the Contract is still in effect, or if the City enters into a new Agreement with the Contractor, within one year after the date on which the form was required to be provided, the Contractor will provide updated workforce information using a second form, also to be furnished by the City. The second form will be submitted to the Department no later than one year after the date on which the first form was required to be provided.

The Contractor further agrees that, for at least twelve (12) months after the effective date of this Contract, it will notify the Department of each of its job openings at facilities in Dane County for which applicants not already employees of the Contractor are to be considered. The notice will include a job description, classification, qualifications, and application procedures and deadlines, shall be provided to the City by the opening date of advertisement and with sufficient time for the City to notify candidates and make a timely referral. The Contractor agrees to interview and consider candidates referred by the Department, or an organization designated by the Department, if the candidate meets the minimum qualification standards established by the Contractor, and if the referral is timely. A referral is timely if it is received by the Contractor on or before the date stated in the notice.

The Department will determine if a contractor is exempt from the above requirements (Sec. 13.A.) at the time the Request for Exemption in 13.B.(2) is made.

**B. Articles of Agreement, Request for Exemption, and Release of Payment:
The "ARTICLES OF AGREEMENT" beginning on the following page, apply to all contractors, unless determined to be exempt under the following table and procedures:**

NUMBER OF EMPLOYEES	LESS THAN \$50,000 Aggregate Annual Business with the City*	\$50,000 OR MORE Aggregate Annual Business with the City*
14 or less	Exempt**	Exempt**
15 or more	Exempt**	Not Exempt

*As determined by the Finance Director

**As determined by the Department of Civil Rights

(1) **Exempt Status:** In this section, "Exempt" means the Contractor is exempt from the Articles of Agreement in section 13.B.(5) of this Contract and from filing an Affirmative Action plan as required by Section IV of the Articles of Agreement. The Department of Civil Rights ("Department") makes the final determination as to whether a contractor is exempt. If the Contractor is not exempt, sec. 13.B.(5) shall apply and Contractor shall select option A. or B. under Article IV therein and file an Affirmative Action Plan.

(2) **Request for Exemption – Fewer Than 15 Employees:** (MGO 39.02(9)(a)2.) Contractors who believe they are exempt based on number of employees shall submit a Request for Exemption on a form provided by the Department within thirty (30) days of the effective date of this Contract.

(3) **Exemption – Annual Aggregate Business:** (MGO 39.02(9)(a)c.): The Department will determine, at the time this Contract is presented for signature, if the Contractor is exempt because it will have less than \$50,000 in annual aggregate business with the City for the calendar year in which the contract is in effect. CONTRACTORS WITH 15 OR MORE EMPLOYEES WILL LOSE THIS EXEMPTION AND BECOME SUBJECT TO SEC. 13.B.(5) UPON REACHING \$50,000 OR MORE ANNUAL AGGREGATE BUSINESS WITH THE CITY WITHIN THE CALENDAR YEAR, BEGINNING IN 2019.

(4) Release of Payment: (MGO 39.02(9)(e)1.b.) All non-exempt contractors must have an approved Affirmative Action plan meeting the requirements of Article IV below on file with the Department within thirty (30) days of the effective date of this Contract and prior to release of payment by the City. Contractors that are exempt based on number of employees agree to file a Request for Exemption with the Department within thirty (30) days of the effective date and prior to release of payment by the City.

(5) Articles of Agreement:

ARTICLE I

The Contractor shall take affirmative action in accordance with the provisions of this Contract to ensure that applicants are employed, and that employees are treated during employment without regard to race, religion, color, age, marital status, disability, sex, sexual orientation, gender identity or national origin and that the employer shall provide harassment-free work environment for the realization of the potential of each employee. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation and selection for training including apprenticeship insofar as it is within the control of the Contractor. The Contractor agrees to post in conspicuous places available to employees and applicants notices to be provided by the City setting out the provisions of the nondiscrimination clauses in this Contract.

ARTICLE II

The Contractor shall in all solicitations or advertisements for employees placed by or on behalf of the Contractors state that all qualified or qualified applicants will be employed without regard to race, religion, color, age, marital status, disability, sex, sexual orientation, gender identity or national origin.

ARTICLE III

The Contractor shall send to each labor union or representative of workers with which it has a collective bargaining Agreement or other Contract or understanding a notice to be provided by the City advising the labor union or workers representative of the Contractor's equal employment opportunity and affirmative action commitments. Such notices shall be posted in conspicuous places available to employees and applicants for employment.

ARTICLE IV

(This Article applies to non-public works contracts.)

The Contractor agrees that it will comply with all provisions of the Affirmative Action Ordinance of the City of Madison (MGO 39.02) including the Contract compliance requirements. The Contractor warrants and certifies that one of the following paragraphs is true (check one):

- A. Contractor has prepared and has on file an affirmative action plan that meets the format requirements of Federal Revised Order No. 4, 41 CFR part 60-2, as established by 43 FR 51400 November 3, 1978, including appendices required by City of Madison ordinances or it has prepared and has on file a model affirmative action plan approved by the Madison Common Council.
- B. Within thirty (30) days after the effective date of this Contract, Contractor will complete an affirmative action plan that meets the format requirements of Federal Revised Order No. 4, 41 CFR Part 60-2, as established by 43 FR 51400, November 3, 1978, including appendices required by City of Madison ordinance or within thirty (30) days after the effective date of this Contract, it will complete a model affirmative action plan approved by the Madison Common Council.
- C. Contractor believes it is exempt from filing an affirmative action plan because it has fewer than fifteen (15) employees and has filed, or will file within thirty (30) days after the effective date of this Contract, a form required by the City to confirm exempt status based on number of employees. If the City determines that Contractor is not exempt, the Articles of Agreement will apply.
- D. Contractor believes it is exempt from filing an affirmative action plan because its annual aggregate business with the City for the calendar year in which the contract is in effect is less than fifty thousand dollars (\$50,000), or for another reason listed in MGO 39.02(9)(a)2. If the City determines that Contractor is not exempt, the Articles of Agreement will apply.

ARTICLE V

(This Article applies only to public works contracts.)

The Contractor agrees that it will comply with all provisions of the Affirmative Action Ordinance of the City of Madison, including the Contract compliance requirements. The Contractor agrees to submit the model affirmative action plan for public works Contractors in a form approved by the Director of Affirmative Action.

ARTICLE VI

The Contractor will maintain records as required by Section 39.02(9)(f) of the Madison General Ordinances and will provide the City's Department of Affirmative Action with access to such records and to persons who have relevant and necessary information, as provided in Section 39.02(9)(f). The City agrees to keep all such records confidential, except to the extent that public inspection is required by law.

ARTICLE VII

In the event of the Contractor's or subcontractor's failure to comply with the Equal Employment Opportunity and Affirmative Action provisions of this Contract or Sections 39.03 and 39.02 of the Madison General Ordinances, it is agreed that the City at its option may do any or all of the following:

- A. Cancel, terminate or suspend this Contract in whole or in part.
- B. Declare the Contractor ineligible for further City contracts until the Affirmative Action requirements are met.
- C. Recover on behalf of the City from the prime Contractor 0.5 percent of the Contract award price for each week that such party fails or refuses to comply, in the nature of liquidated damages, but not to exceed a total of five percent (5%) of the Contract price, or ten thousand dollars (\$10,000), whichever is less. Under public works contracts, if a subcontractor is in noncompliance, the City may recover liquidated damages from the prime Contractor in the manner described above. The preceding sentence shall not be construed to prohibit a prime Contractor from recovering the amount of such damage from the noncomplying subcontractor.

ARTICLE VIII

(This Article applies to public works contracts only.)

The Contractor shall include the above provisions of this Contract in every subcontract so that such provisions will be binding upon each subcontractor. The Contractor shall take such action with respect to any subcontractor as necessary to enforce such provisions, including sanctions provided for noncompliance.

ARTICLE IX

The Contractor shall allow the maximum feasible opportunity to small business enterprises to compete for any subcontracts entered into pursuant to this Contract. (In federally funded contracts the terms "DBE, MBE, and WBE" shall be substituted for the term "small business" in this Article.)

14. SEVERABILITY.

It is mutually agreed that in case any provision of this Contract is determined by any court of law to be unconstitutional, illegal or unenforceable, it is the intention of the parties that all other provisions of this Contract remain in full force and effect.

15. NOTICES.

All notices to be given under the terms of this Contract shall be in writing and signed by the person serving the notice and shall be sent registered or certified mail, return receipt requested, postage prepaid, or hand delivered to the addresses of the parties listed below:

FOR THE CITY:

(Department or Division Head)

FOR THE CONTRACTOR:

16. INDEPENDENT CONTRACTOR AND TAX INFORMATION.

It is agreed that Contractor is an independent contractor and not an employee of the City, and any persons who the Contractor utilizes or provides for services under this Contract not employees of the City of Madison.

Contractor shall provide its taxpayer identification number (or social security number) to the Finance Director, 210 Martin Luther King Jr. Blvd, Room 406, Madison, WI 53703, prior to payment. The Contractor is informed that as an independent contractor, Contractor may have a responsibility to make estimated tax returns, file tax returns, pay income taxes and make social security payments on the amounts received under this Contract. No amounts will be withheld by the City for these purposes and payment of taxes and making social security payments are solely the responsibility and obligation of the Contractor. The Contractor is further informed that they may be subject to civil and/or criminal penalties if they fail to properly report income and pay taxes and social security taxes on the amount received under this Contract.

17. GOODWILL.

Any and all goodwill arising out of this Contract inures solely to the benefit of the City; Contractor waives all claims to benefit of such goodwill.

18. THIRD PARTY RIGHTS.

This Contract is intended to be solely between the parties hereto. No part of this Contract shall be construed to add, supplement, amend, abridge or repeal existing rights, benefits or privileges of any third party or parties, including but not limited to employees of either of the parties.

19. AUDIT AND RETAINING OF DOCUMENTS.

The Contractor agrees to provide all reports requested by the City including, but not limited to, financial statements and reports, reports and accounting of services rendered, and any other reports or documents requested. Financial and service reports shall be provided according to a schedule (when applicable) to be included in this Contract. Any other reports or documents shall be provided within five (5) working days after the Contractor receives the City's written requests, unless the parties agree in writing on a longer period. Payroll records and any other documents relating to the performance of services under the terms of this Contract shall be retained by the Contractor for a period of three (3) years after completion of all work under this Contract, in order to be available for audit by the City or its designee.

20. CHOICE OF LAW AND FORUM SELECTION.

This Contract shall be governed by and construed, interpreted and enforced in accordance with the laws of the State of Wisconsin. The parties agree, for any claim or suit or other dispute relating to this Contract that cannot be mutually resolved, the venue shall be a court of competent jurisdiction within the State of Wisconsin and the parties agree to submit themselves to the jurisdiction of said court, to the exclusion of any other judicial district that may have jurisdiction over such a dispute according to any law..

21. COMPLIANCE WITH APPLICABLE LAWS.

The Contractor shall become familiar with, and shall at all times comply with and observe all federal, state, and local laws, ordinances, and regulations which in any manner affect the services or conduct of the Contractor and its agents and employees.

22. **CONFLICT OF INTEREST.**

- A. The Contractor warrants that it and its agents and employees have no public or private interest, and will not acquire directly or indirectly any such interest, which would conflict in any manner with the performance of the services under this Agreement.
- B. The Contractor shall not employ or Contract with any person currently employed by the City for any services included under the provisions of this Agreement.

23. **COMPENSATION.**

It is expressly understood and agreed that in no event will the total compensation under this Contract exceed \$_____.

24. **BASIS FOR PAYMENT.**A. **GENERAL.**

- (1) The City will pay the Contractor for the completed and accepted services rendered under this Contract on the basis and at the Contract price set forth in Section 23 of this Contract. The City will pay the Contractor for completed and approved "extra services", if any, if such "extra services" are authorized according to the procedure established in this section. The rate of payment for "extra services" shall be the rate established in this Contract. Such payment shall be full compensation for services rendered and for all labor, material, supplies, equipment and incidentals necessary to complete the services.
- (2) The Contractor shall submit invoices, on the form or format approved by the City and as may be further specified in Section 3 of this Contract. The City will pay the Contractor in accordance with the schedule, if any, set forth in Section 3. The final invoice, if applicable, shall be submitted to the City within three months of completion of services under this Agreement.
- (3) Should this Agreement contain more than one service, a separate invoice and a separate final statement shall be submitted for each individual service.
- (4) Payment shall not be construed as City acceptance of unsatisfactory or defective services or improper materials.
- (5) Final payment of any balance due the Contractor will be made upon acceptance by the City of the services under the Agreement and upon receipt by the City of documents required to be returned or to be furnished by the Contractor under this Agreement.
- (6) The City has the equitable right to set off against any sum due and payable to the Contractor under this Agreement, any amount the City determines the Contractor owes the City, whether arising under this Agreement or under any other Agreement or otherwise.
- (7) Compensation in excess of the total Contract price will not be allowed unless authorized by an amendment under Section 9, AMENDMENT.
- (8) The City will not compensate for unsatisfactory performance by the Contractor.

B. **SERVICE ORDERS, EXTRA SERVICE, OR DECREASED SERVICE.**

- (1) Written orders regarding the services, including extra services or decreased services, will be given by the City, using the procedure set forth in Section 15, NOTICES.
- (2) The City may, by written order, request extra services or decreased services, as defined in Section 10 of this Contract. Unless the Contractor believes the extra services entitle it to extra compensation or additional time, the Contractor shall proceed to furnish the necessary labor, materials, and professional services to complete the services within the time limits specified in the Scope of Services, Section 3 of this Agreement, including any amendments under Section 9 of this Agreement.
- (3) If in the Contractor's opinion the order for extra service would entitle it to extra compensation or extra time, or both, the Contractor shall not proceed to carry out the extra service, but shall notify the City, pursuant to Section 15 of this Agreement. The notification shall include the justification for the claim for extra compensation or extra time, or both, and the amount of additional fee or time requested.
- (4) The City shall review the Contractor's submittal and respond in writing, either authorizing the Contractor to perform the extra service, or refusing to authorize it. The Contractor shall not receive additional compensation or time unless the extra compensation is authorized by the City in writing.

25. **DEFAULT/TERMINATION.**

- A. In the event Contractor shall default in any of the covenants, agreements, commitments, or conditions herein contained, and any such default shall continue unremedied for a period of ten (10) days after written notice thereof to Contractor, the City may, at its option and in addition to all other rights and remedies which it may have at law or in equity against Contractor, including expressly the specific enforcement hereof, forthwith have the cumulative right to immediately terminate this Contract and all rights of Contractor under this Contract.
- B. Notwithstanding paragraph A., above, the City may in its sole discretion and without any reason terminate this Agreement at any time by furnishing the Contractor with ten (10) days' written notice of termination. In the event of termination under this subsection, the City will pay for all work completed by the Contractor and accepted by the City.

26. **INDEMNIFICATION.**

The Contractor shall be liable to and hereby agrees to indemnify, defend and hold harmless the City of Madison, and its officers, officials, agents, and employees against all loss or expense (including liability costs and attorney's fees) by reason of any claim or suit, or of liability imposed by law upon the City or its officers, officials, agents or employees for damages because of bodily injury, including death at any time resulting therefrom, sustained by any person or persons or on account of damages to property, including loss of use thereof, arising from, in connection with, caused by or resulting from the contractors and/or any subcontractor's negligent acts, errors or omissions, in the performance of this Agreement.

27. **INSURANCE.**

- A. The Contractor will insure, and will require each subcontractor to insure, as indicated, against the following risks to the extent stated below. The Contractor shall not commence work under this Contract, nor shall the Contractor allow any Subcontractor to commence work on its Subcontract, until the insurance coverage required below has been obtained and approved by the City Risk Manager, under the procedures in Section 27.C., below.

Commercial General Liability

The Contractor shall procure and maintain during the life of this Contract, Commercial General Liability insurance including, but not limited to bodily injury, property damage, personal injury, and products and completed operations (unless determined to be inapplicable by the Risk Manager) in an amount not less than \$1,000,000 per occurrence. This policy shall also provide contractual liability in the same amount. Contractor's coverage shall be primary and non-contributory and list the City of Madison, its officers, officials, agents and employees as additional insureds. Contractor shall require all subcontractors under this Contract (if any) to procure and maintain insurance meeting the above criteria, applying on a primary basis and listing the City of Madison, its officers, officials, agents and employees as additional insureds.

Automobile Liability

The Contractor shall procure and maintain during the life of this Contract Business Automobile Liability insurance covering owned, non-owned and hired automobiles with limits of not less than \$1,000,000 combined single limit per accident. Contractor shall require all subcontractors under this Contract (if any) to procure and maintain insurance covering each subcontractor and meeting the above criteria.

Worker's Compensation

The Contractor shall procure and maintain during the life of this Contract statutory Workers' Compensation insurance as required by the State of Wisconsin. The Contractor shall also carry Employers Liability limits of at least \$100,000 Each Accident, \$100,000 Disease – Each Employee, and \$500,000 Disease – Policy Limit. Contractor shall require all subcontractors under this Contract (if any) to procure and maintain such insurance, covering each subcontractor.

Professional Liability

The Contractor shall procure and maintain professional liability insurance with coverage of not less than \$1,000,000. If such policy is a "claims made" policy, all renewals thereof during the life of the Contract shall include "prior acts coverage" covering at all times all claims made with respect to Contractor's work performed under the Contract. This Professional Liability coverage must be kept in force for a period of six (6) years after the services have been accepted by the City.

- B. Acceptability of Insurers. The above-required insurance is to be placed with insurers who have an A.M. Best rating of no less than A- (A minus) and a Financial Category rating of no less than VII.
- C. Proof of Insurance, Approval. The Contractor shall provide the City with certificate(s) of insurance showing the type, amount, effective dates, and expiration dates of required policies prior to commencing work under this Contract. Contractor shall provide the certificate(s) to the City's representative upon execution of the Contract, or sooner, for approval by the City Risk Manager. If any of the policies required above expire while this Contract is still in effect, Contractor shall provide renewal certificate(s) to the City for approval. Certificate Holder language should be listed as follows:
- City of Madison
ATTN: Risk Management, Room 406
210 Martin Luther King, Jr. Blvd.
Madison, WI 53703
- The Contractor shall provide copies of additional insured endorsements or insurance policies, if requested by the City Risk Manager.
- D. Notice of Cancellation. The Contractor and/or Insurer shall give the City thirty (30) days advance written notice of cancellation, non-renewal or material changes to any of the above-required policies during the term of this Contract.

28. **OWNERSHIP OF CONTRACT PRODUCT.**

All of the work product, including, but not limited to, documents, materials, files, reports, data, including magnetic tapes, disks of computer-aided designs or other electronically stored data or information (the "Documents"), which the Contractor prepares pursuant to the terms and conditions of this Contract are the sole property of the City. The Contractor will not publish any such materials or use them for any research or publication, other than as expressly required or permitted by this Contract, without the prior written permission of the City. The grant or denial of such permission shall be at the City's sole discretion.

The Contractor intends that the copyright to the Documents shall be owned by City, whether as author (as a Work Made For Hire), or by assignment from Contractor to City. The parties expressly agree that the Documents shall be considered a Work Made For Hire as defined by Title 17, United States Code, Section 101(2).

As further consideration for the City entering into this Contract, the Contractor hereby assigns to City all of the Contractor's rights, title, interest and ownership in the Documents, including the right to procure the copyright therein and the right to secure any renewals, reissues and extensions of any such copyright in any foreign country. The City shall be entitled to the sole and exclusive benefit of the Documents, including the copyright thereto, and whenever required by the City, the Contractor shall at no additional compensation, execute all documents of assignment of the full and exclusive benefit and copyright thereof to the City. Any subcontractors and other independent contractors who prepare portions of the Documents shall be required by the Contractor to execute an assignment of ownership in favor of the City before commencing work.

29. **BAN THE BOX - ARREST AND CRIMINAL BACKGROUND CHECKS.** (Sec. 39.08, MGO. Applicable to contracts exceeding \$25,000.)A. **DEFINITIONS.**

For purposes of this section, "Arrest and Conviction Record" includes, but is not limited to, information indicating that a person has been questioned, apprehended, taken into custody or detention, held for investigation, arrested,

charged with, indicted or tried for any felony, misdemeanor or other offense pursuant to any law enforcement or military authority.

"Conviction record" includes, but is not limited to, information indicating that a person has been convicted of a felony, misdemeanor or other offense, placed on probation, fined, imprisoned or paroled pursuant to any law enforcement or military authority.

"Background Check" means the process of checking an applicant's arrest and conviction record, through any means.

- B. **REQUIREMENTS.** For the duration of this Contract, the Contractor shall:
- (1) Remove from all job application forms any questions, check boxes, or other inquiries regarding an applicant's arrest and conviction record, as defined herein.
 - (2) Refrain from asking an applicant in any manner about their arrest or conviction record until after conditional offer of employment is made to the applicant in question.
 - (3) Refrain from conducting a formal or informal background check or making any other inquiry using any privately or publicly available means of obtaining the arrest or conviction record of an applicant until after a conditional offer of employment is made to the applicant in question.
 - (4) Make information about this ordinance available to applicants and existing employees, and post notices in prominent locations at the workplace with information about the ordinance and complaint procedure using language provided by the City.
 - (5) Comply with all other provisions of Sec. 39.08, MGO.
- C. **EXEMPTIONS:** This section does not apply when:
- (1) Hiring for a position where certain convictions or violations are a bar to employment in that position under applicable law, or
 - (2) Hiring a position for which information about criminal or arrest record, or a background check is required by law to be performed at a time or in a manner that would otherwise be prohibited by this ordinance, including a licensed trade or profession where the licensing authority explicitly authorizes or requires the inquiry in question.

To be exempt under sec. C.(1) or (2) above, Contractor must demonstrate to the City that there is a law or regulation that requires the hiring practice in question. If so, the contractor is exempt from this section for the position(s) in question.

30. **WEAPONS PROHIBITION.**

Contractor shall prohibit, and shall require its subcontractors to prohibit, its employees from carrying weapons, including concealed weapons, in the course of performance of work under this Contract, other than while at the Contractor's or subcontractor's own business premises. This requirement shall apply to vehicles used at any City work site and vehicles used to perform any work under this Contract, except vehicles that are an employee's "own motor vehicle" pursuant to Wis. Stat. sec. 175.60(15m).

31. **AUTHORITY.**

Contractor represents that it has the authority to enter into this Contract. If the Contractor is not an individual, the person(s) signing on behalf of the Contractor represents and warrants that they have been duly authorized to bind the Contractor and sign this Contract on the Contractor's behalf.

32. **COUNTERPARTS, ELECTRONIC SIGNATURE AND DELIVERY.**

This Contract may be signed in counterparts, each of which shall be taken together as a whole to comprise a single document. Signatures on this Contract may be exchanged between the parties by facsimile, electronic scanned copy (.pdf) or similar technology and shall be as valid as original; and this Contract may be converted into electronic format and signed or given effect with one or more electronic signature(s) if the electronic signature(s) meets all requirements of Wis. Stat. ch. 137 or other applicable Wisconsin or Federal law. Executed copies or counterparts of this Contract may be delivered by facsimile or email and upon receipt will be deemed original and binding upon the parties hereto, whether or not a hard copy is also delivered. Copies of this Contract, fully executed, shall be as valid as an original.

IN WITNESS WHEREOF, the parties hereto have set their hands at Madison, Wisconsin.

CONTRACTOR:

(Type or Print Name of Contracting Entity)

By: _____
(Signature)

(Print Name and Title of Person Signing)

Date: _____

**CITY OF MADISON, WISCONSIN
a municipal corporation:**

By: _____
Satya Rhodes-Conway, Mayor

Date: _____

Approved:

David P. Schmiedicke, Finance Director

Date: _____

By: _____
Maribeth Witzel-Behl, City Clerk

Date: _____

Approved as to Form:

Eric T. Veum, Risk Manager

Date: _____

Michael Haas, City Attorney

Date: _____

For City Use Only: SIGNATURE INSTRUCTIONS FOR CONTRACTS SIGNED BY MAYOR/CLERK:

Obtain contractor's signature first. Route this contract & all of its attachments for City signatures using the City Clerk's Contract Routing Database. Include 1 copy of authorizing resolution & 1 copy of the Certificate of Insurance.

NOTE: Certain service contracts may be executed by the designee of the Finance Director on behalf of the City of Madison:

By: _____
Mary Richards, Procurement Supervisor

Date: _____

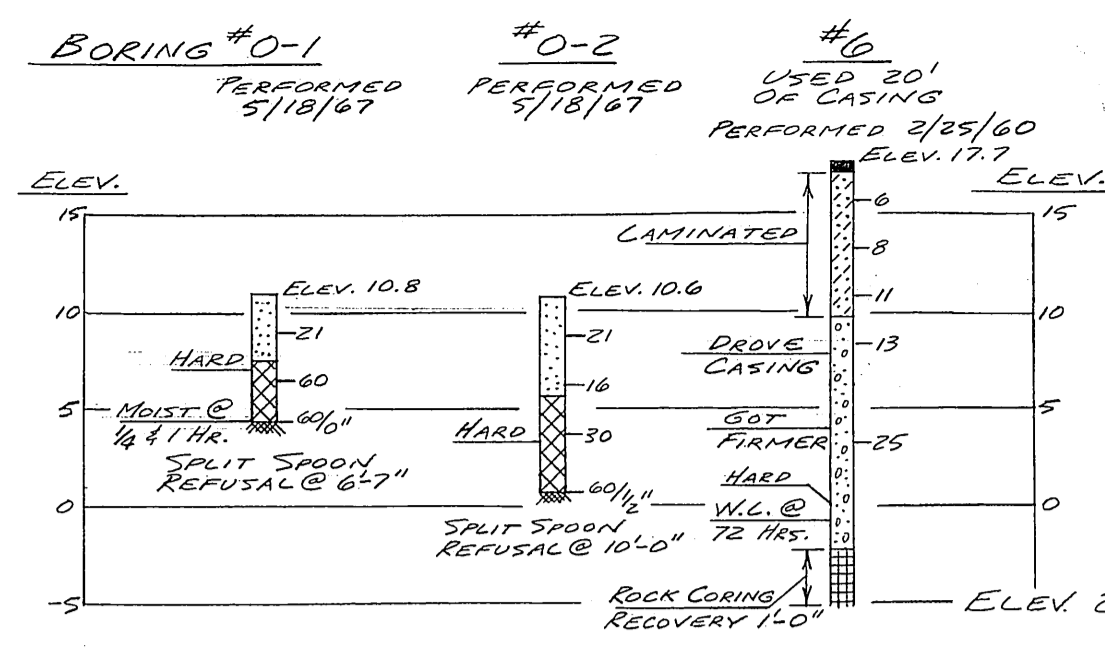
MGO 4.26(3) and (5) authorize the Finance Director or designee to sign purchase of service contracts when all of the following apply:

- (a) The funds are included in the approved City budget.
- (b) An RFP or competitive process was used, or the Contract is exempt from competitive bidding under 4.26(4)(a).
- (c) The City Attorney has approved the form of the Contract.
- (d) The Contract complies with other laws, resolutions and ordinances.
- (e) The Contract is for a period of 1 year or less, OR not more than 5 years AND the average cost is not more than \$100,000 per year, AND was subject to competitive bidding. (If over \$50,000 and exempt from bidding under 4.26(4)(a), regardless of duration of the Contract, the Common Council must authorize the Contract by resolution and the Mayor and City Clerk must sign, per 4.26(5)(b).)

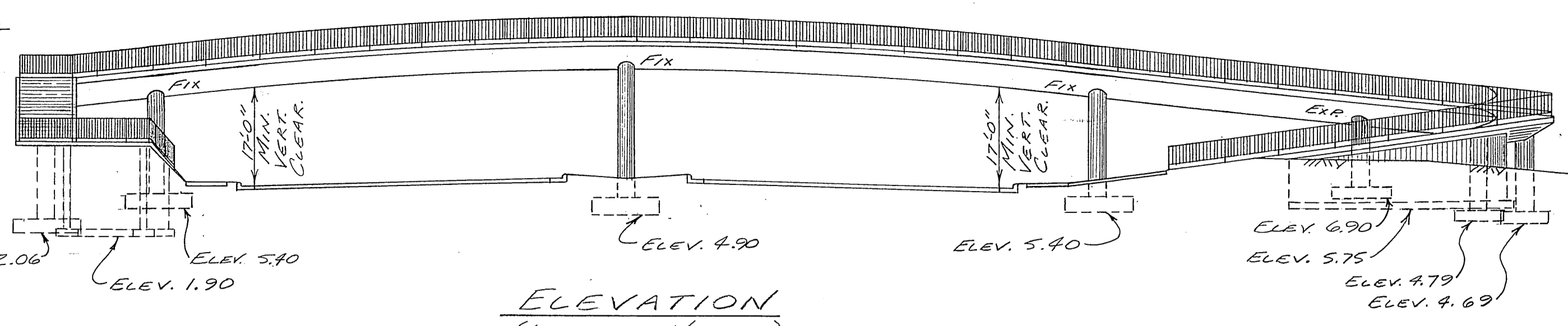
Emergency Service contracts may also be signed by the designee of the Finance Director if the requirements of MGO 4.26(3)(c) are met.

For City Use Only: SIGNATURE INSTRUCTIONS FOR CONTRACT TO BE SIGNED BY FINANCE (PURCHASING):

Obtain contractor's signature first. Attach the contractor-signed contract with all attachments/exhibits and the certificate of insurance to the requisition in MUNIS.



NOTE
ALL RAILING POSTS AND BARS
TO BE SET VERTICAL.



ELEVATION
(LOOKING NORTH)

- LEGEND
- ☐ TOPSOIL
 - ☐ GRAYISH-BROWN FINE SILTY SAND
 - ☐ BROWN FINE TO MEDIUM SILTY SAND - OCCASIONAL SMALL TO MEDIUM GRAVEL
 - ☐ LIGHT BROWN VERY FINE TO FINE SILTY SAND WITH TRACE OF SMALL GRAVEL
 - ☐ WEATHERED SANDSTONE
 - ☐ SANDSTONE

2. FIGURES TO THE RIGHT OF EACH BORING LOG INDICATE THE NUMBER OF BLOWS REQUIRED TO DRIVE THE 2-INCH O.D. SPLIT SPOON 12 INCHES USING A 140-LB. WEIGHT FALLING 30 INCHES.
3. WATER LEVEL (W.L.) INDICATED WAS AT TIME SHOWN AFTER COMPLETION OF THE BORING.
4. NOTATION "HOLE" INDICATES DEPTH WHERE HOLE WAS FIRST SHOWN AFTER COMPLETION OF THE BORING.
5. NOTATION "DRIVE CASING" INDICATES DEPTH TO WHICH BORING HAD PROCEEDED WHEN CASING WAS FIRST USED.

NOTES
1. BORINGS WERE MADE USING STANDARD PROCEDURES WITH A 2-INCH O.D. SPLIT SPOON AND 2 1/2-INCH CASING AS REQUIRED.

NOTE
FIELD OBSERVATIONS OF THE ROADWAY CUT SHOW THAT THE TOP OF THE WEATHERED ROCK DOES NOT SLOPE IN A UNIFORM PATTERN. BORINGS THEREFORE ARE TO BE USED AS GENERAL INFORMATION OF SOIL CONDITIONS TO BE ENCOUNTERED.

TOTAL ESTIMATED QUANTITIES

BID ITEMS	UNIT	SIDE-WALK	SUPER-STRUCTURE	WEST ABUT.	PIER 1	PIER 2	PIER 3	PIER 4	PIER 5	PIER 6	PIER 7	EAST ABUT.	TOTAL
EXCAVATION FOR STRUCTURES	C.Y.	-	-	532	100	44	35	44	27	19	19	130	950
GRANULAR BACKFILL	C.Y.	-	-	441	89	34	25	34	19	15	15	103	775
CONCRETE MASONRY (3,000 P.S.I.)	C.Y.	53.7	-	123.5	9.3	9.3	9.3	9.3	6.0	3.0	3.0	35.1	262.2
CONCRETE MASONRY (4,000 P.S.I.)	C.Y.	-	241.9	-	3.5	3.2	4.1	3.2	2.2	2.1	1.7	-	261.7
BAR STEEL REINFORCEMENT	LB.	390	39700	10480	2570	2500	2850	2500	1530	930	860	3140	67450
STRUCTURAL CARBON STEEL (EXPANSION JOINTS)	LB.	-	1210	-	-	-	-	-	-	-	-	-	1210
STEEL RAILING	L.F.	-	1100	-	-	-	-	-	-	-	-	-	1100
COARSE GRAVEL FILTER	C.Y.	-	-	6	-	-	-	-	-	-	-	-	5
LUBRICATED BRONZE PLATES	LB.	-	90	-	-	-	-	-	-	-	-	-	90
ROCK EXCAVATION	C.Y.	-	-	60	-	-	-	-	-	-	-	-	60
SODDING	S.Y.	-	-	280	-	-	-	-	-	-	-	-	160
NON-BID ITEMS (INCIDENTAL TO CONSTRUCTION COSTS)													
1/4" EXPANSION FILLER													
TOPSOIL, SEEDING, CLAY & RANDOM FILL & MISCELLANEOUS CUT													

BENCH MARKS

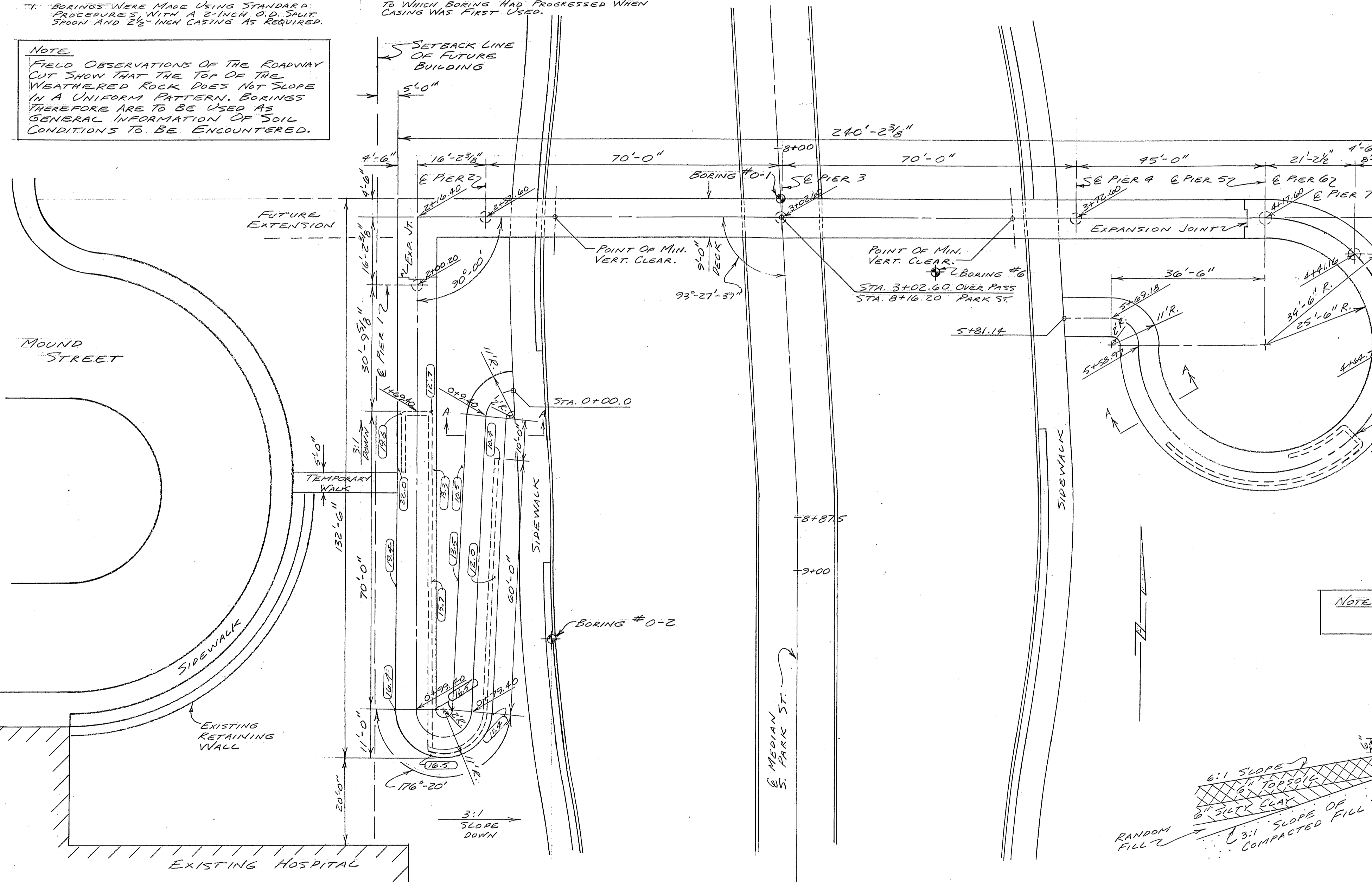
DESCRIPTION	ELEVATION
TOP OF FIRE HYDRANT AT STATION 7+50 ON THE EAST SIDE OF SOUTH PARK STREET.	13.49 (CITY DATUM)

LIST OF DRAWINGS

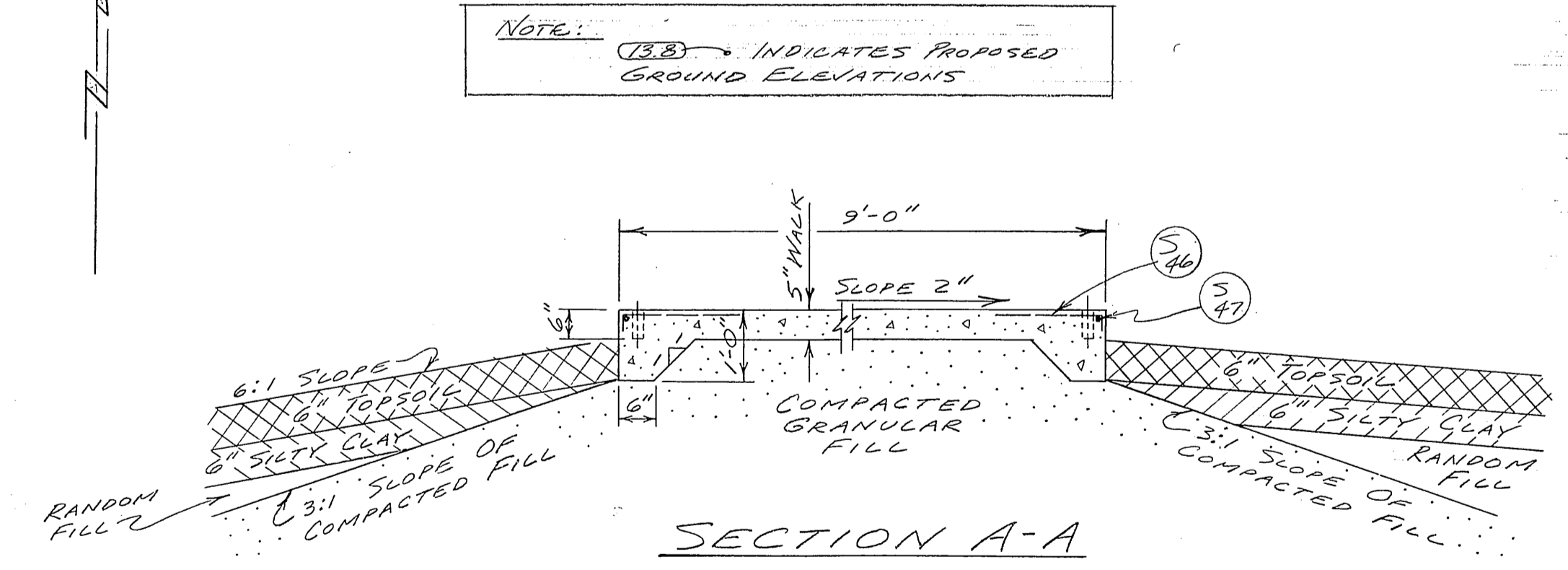
- 51 - GENERAL PLAN
- 52 - DECK SUPERSTRUCTURE DETAILS
- 53 - DECK SUPERSTRUCTURE DETAILS
- 54 - SUPERSTRUCTURE, EXPANSION JOINT AND RAILING DETAILS
- 55 - WEST ABUTMENT
- 56 - EAST ABUTMENT
- 57 - PIERS AND FOOTINGS
- 58 - GRADING AND UTILITIES

GENERAL NOTES

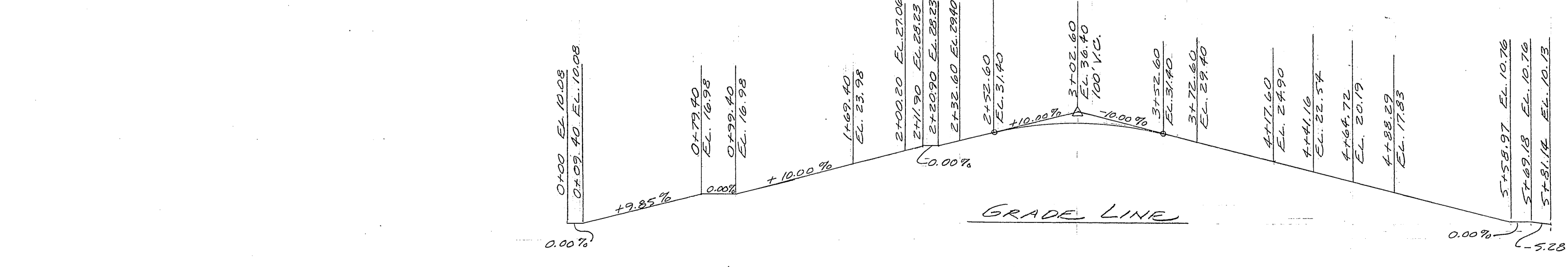
1. DRAWINGS SHALL NOT BE SCALED.
2. DESIGN IS IN ACCORDANCE WITH THE AASHTO "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES", 1961 EDITION AND STATE HIGHWAY COMMISSION OF WISCONSIN "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", 1963 EDITION.
3. ALL STRUCTURAL CONCRETE MASONRY TO BE AIR ENTRAINED. (SEE SPEC'S)
4. BEVEL EXPOSED EDGES OF CONCRETE 1 INCH UNLESS OTHERWISE SPECIFIED.
5. BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED. THE USE OF STRUCTURAL GRADE BAR STEEL REINFORCING IS PROHIBITED.
6. NO CONCRETE SHALL BE POURED UNTIL ALL BURIED UTILITIES ARE LOCATED AND EXACT LOCATIONS OF ALL PIERS DETERMINED.
7. HIGH CHAIRS, SUPPORT BARS, ETC. TO BE PROVIDED PER ACI-315-65 AND ACI-318-63.
8. ALL CURVED BARS FOR RAMP TO BE COLD BENT TO REQUIRED CURVATURE IN SHOP OR AT THE SITE.
9. LAP ALL BOTTOM BARS OF DECK 3'-0" MINIMUM AT COLUMNS.
10. ROADWAY SIDE SLOPES WILL BE CUT TO 3:1 SLOPES BY ROAD CONTRACTOR.
11. CONTRACTOR TO BLEND IN NEW CUTS AND FILLS TO MATCH EXISTING SLOPES.
12. CONTRACTOR TO BUILD TEMPORARY WALK FROM NEW OVERPASS TO EXISTING SIDEWALK NEAR MOUND STREET.
13. CONTRACTOR TO REMOVE ALL TREES, OLD PAVEMENT, SIDEWALKS, CURB AND GUTTER AND DRIVES WITHIN THE PROPERTY LINES ON THE EAST SIDE OF SOUTH PARK STREET ONLY.



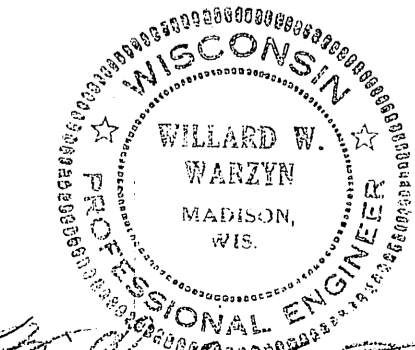
PLAN VIEW
EIGHT SPAN CONCRETE PEDESTRIAN OVERPASS



SECTION A-A



GRADE LINE

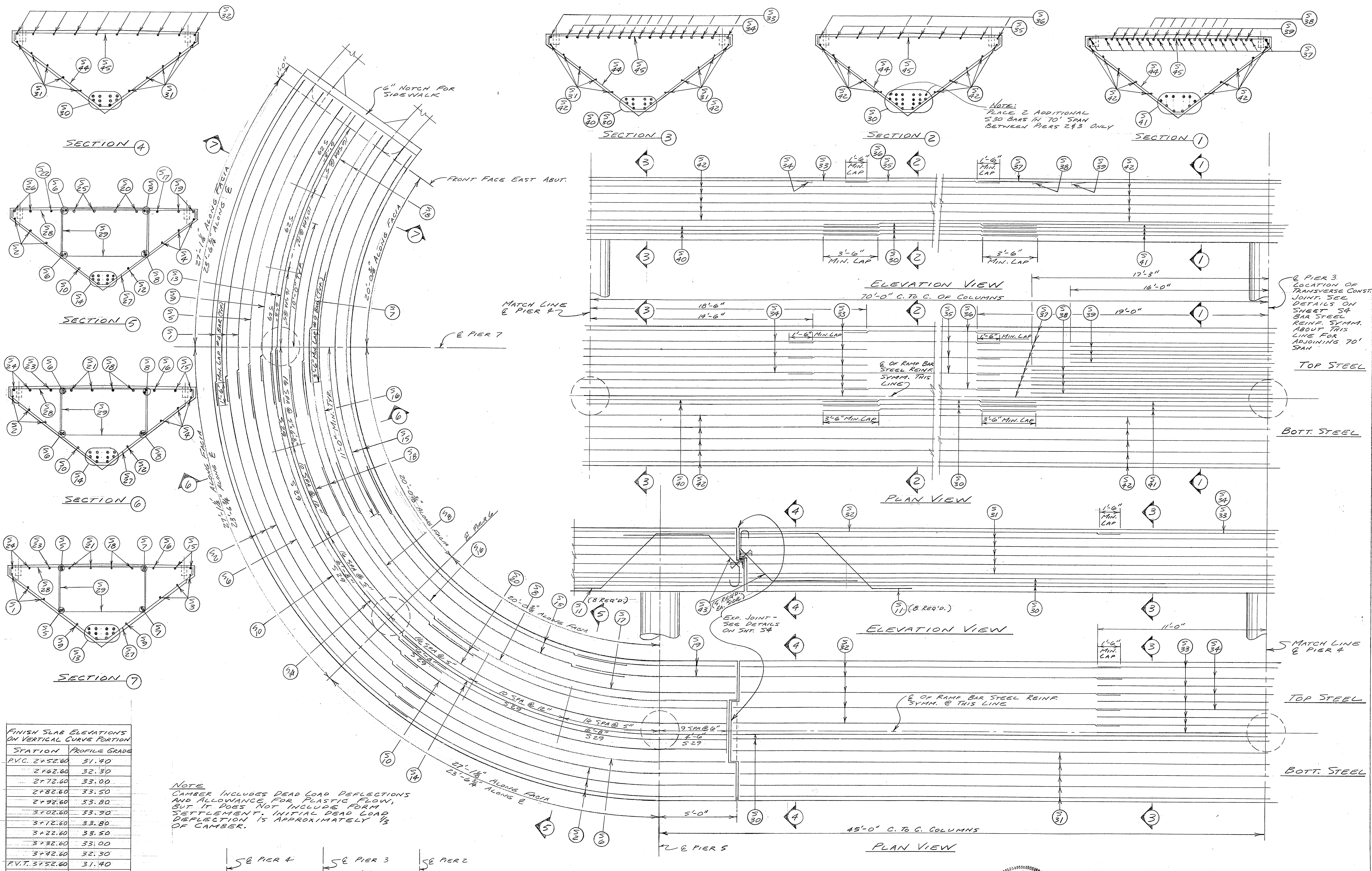


GENERAL PLAN
PARK STREET PEDESTRIAN OVERPASS

Drawn By: G.B.H. Checked By: R.K.
WARZYN ENGINEERING AND SERVICE CO., INC.
CONSULTING ENGINEERS
MADISON, WISCONSIN

WEILER, STRANG, McMULLIN AND ASSOCIATES - ARCHITECTS
810 UNIVERSITY BAY DRIVE
MADISON, WISCONSIN 53705 233-9753

COMM. SHEET SI



NOTE:
PLACE 2 ADDITIONAL
S 30 BARS IN 70' SPAN
BETWEEN PIERS 2 & 3 ONLY

LOCATION OF
TRANSVERSE CONST.
JOINT. SEE
DETAILS ON
SHEET 54
BAR STEEL
REINF. SYMM.
ABOUT THIS
LINE FOR
ADJOINING 70'
SPAN

TOP STEEL

BOTT. STEEL

MATCH LINE
& PIER 4

TOP STEEL

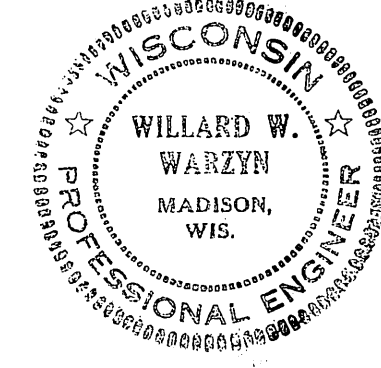
BOTT. STEEL

FINISH SLAB ELEVATIONS ON VERTICAL CURVE PORTION	
STATION	PROFILE GRADE
R.V.C. 2+52.60	31.40
2+62.60	32.30
2+72.60	33.00
2+82.60	33.50
2+92.60	33.80
3+02.60	33.70
3+12.60	33.80
3+22.60	33.50
3+32.60	33.00
3+42.60	32.30
R.V.T. 3+52.60	31.40

NOTE
CAMBER INCLUDES DEAD LOAD DEFLECTIONS
AND ALLOWANCE FOR PLASTIC FLOW,
BUT IT DOES NOT INCLUDE FORM
SETTLEMENT. INITIAL DEAD LOAD
DEFLECTION IS APPROXIMATELY 1/3
OF CAMBER.

CAMBER DIAGRAM

NOTE
SEE SHEETS 53 AND 54
FOR ADDITIONAL DETAILS
AND BILL OF BARS.

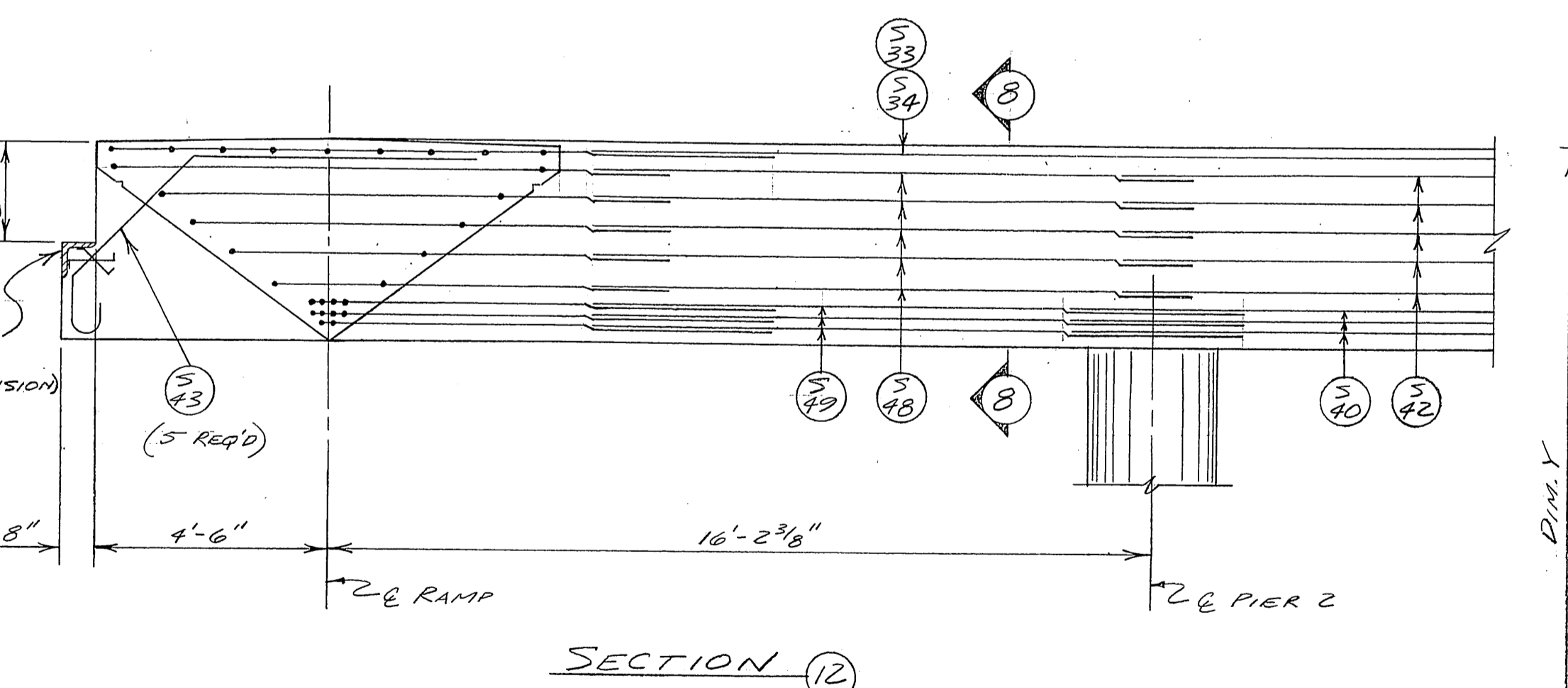
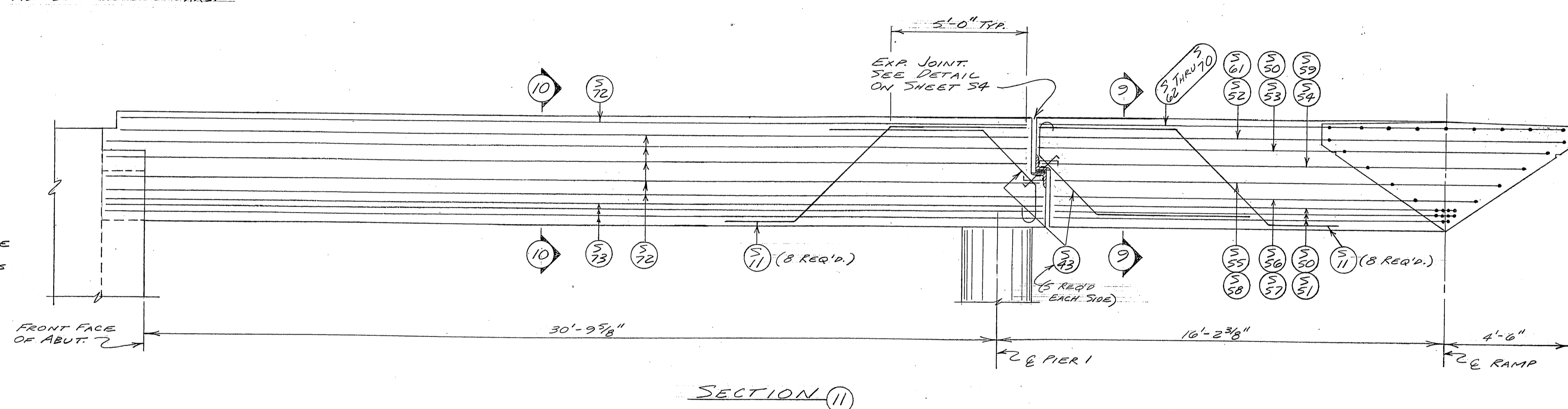
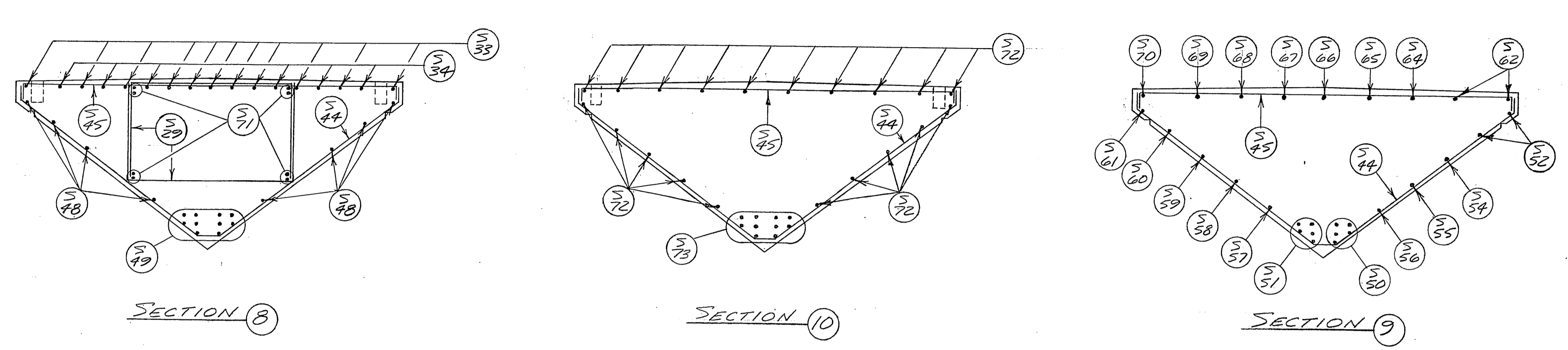
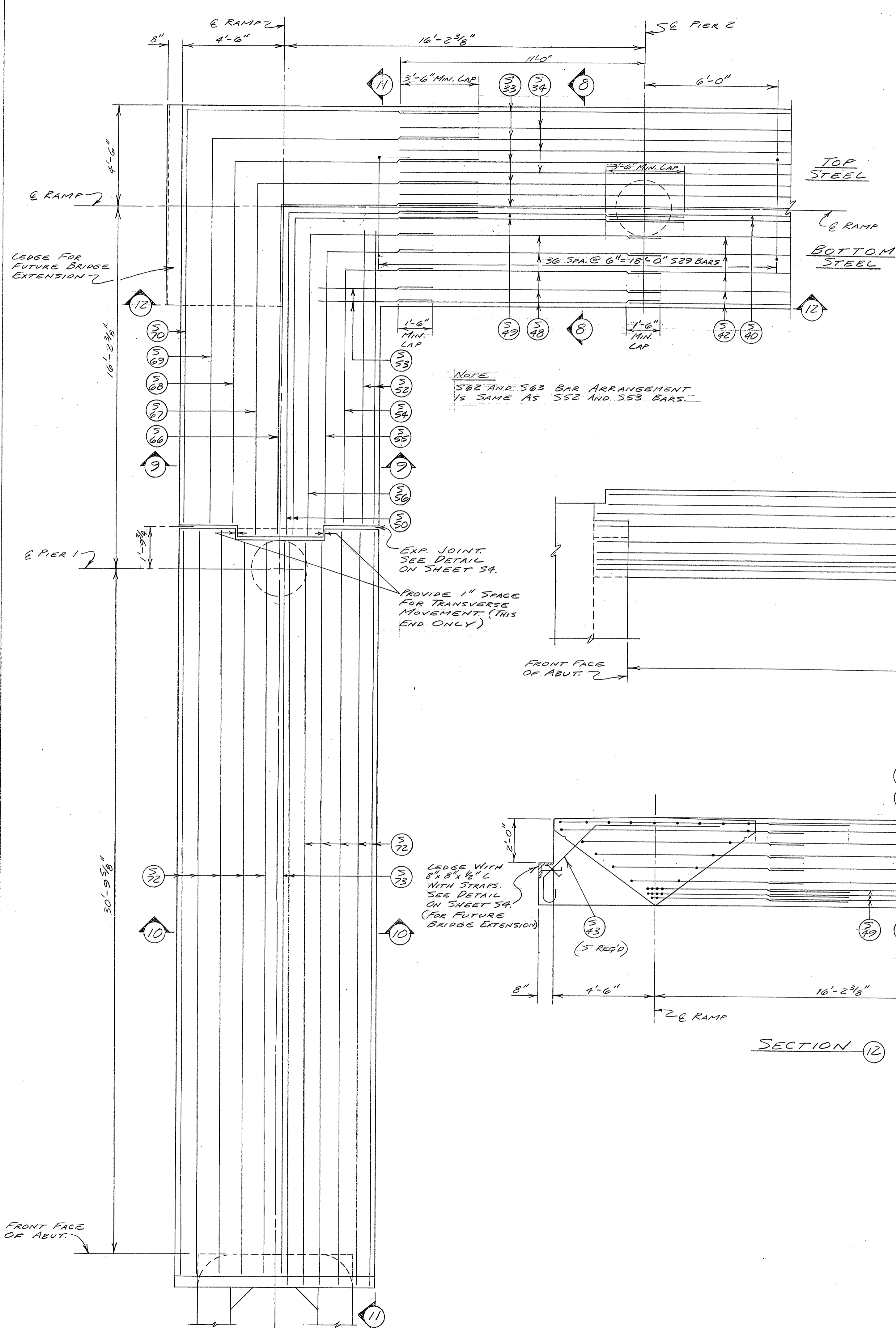


DECK SUPERSTRUCTURE DETAILS
PARK STREET PEDESTRIAN OVERPASS

Drawn By: G.B.H. Checked By: R.K.
WANSYEN ENGINEERING
AND SERVICE CO., INC.
CONSULTING ENGINEERS
MADISON, WISCONSIN

WEILER, STRANG, McMULLIN
AND ASSOCIATES - ARCHITECTS
810 UNIVERSITY BAY DRIVE
MADISON, WISCONSIN 53705 233-9753

COMM.
SHEET
S2

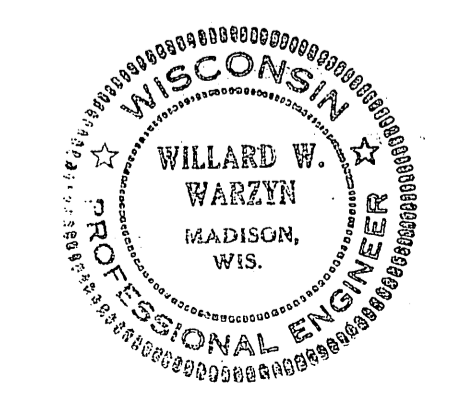


MARK	DIM. X	DIM. Y
S48	10-4	12-0
S49	10-9	12-9
S50	5-9	22-6
S51	9-3	14-9
S52	2-4	13-0
S53	4-0	5-0
S54	4-0	11-3
S55	4-9	12-0
S56	5-6	12-9
S57	8-0	15-6
S58	8-9	16-3
S59	9-6	17-0
S60	10-3	17-9
S61	11-0	18-6
S62	2-9	13-0
S63	7-0	12-0
S64	1-9	19-0
S65	8-0	13-0
S66	9-0	14-3
S67	10-0	15-3
S68	11-0	16-3
S69	12-0	17-3
S70	13-3	18-6

DETAIL A

BILL OF BARS - SUPERSTRUCTURE (CONTINUED)

POUR MARK	No.	SIZE	LENGTH	SPACING	LOCATION	DET.
	S48	10	4	12-0	SHOWN	SUPERSTRUCTURE - LONG. BOT.
	S49	10	9	12-9	"	"
	S50	5	9	22-6	"	"
	S51	5	9	24-0	"	"
	S52	2	4	13-0	"	"
	S53	2	4	5-0	"	"
	S54	1	4	15-3	"	"
	S55	1	4	16-9	"	"
	S56	1	4	18-3	"	"
	S57	1	4	23-6	"	"
	S58	1	4	25-0	"	"
	S59	1	4	26-6	"	"
	S60	1	4	28-0	"	"
	S61	1	4	29-6	"	"
	S62	2	9	13-0	"	TOP
	S63	2	9	7-0	"	"
	S64	1	9	19-0	"	"
	S65	1	9	21-0	"	"
	S66	1	9	23-3	"	"
	S67	1	9	25-3	"	"
	S68	1	9	27-3	"	"
	S69	1	9	29-3	"	"
	S70	1	9	31-9	"	"
	S71	8	9	18-6	"	Top & Bott.
	S72	20	4	33-0	"	"
	S73	10	9	33-0	"	BOTT.

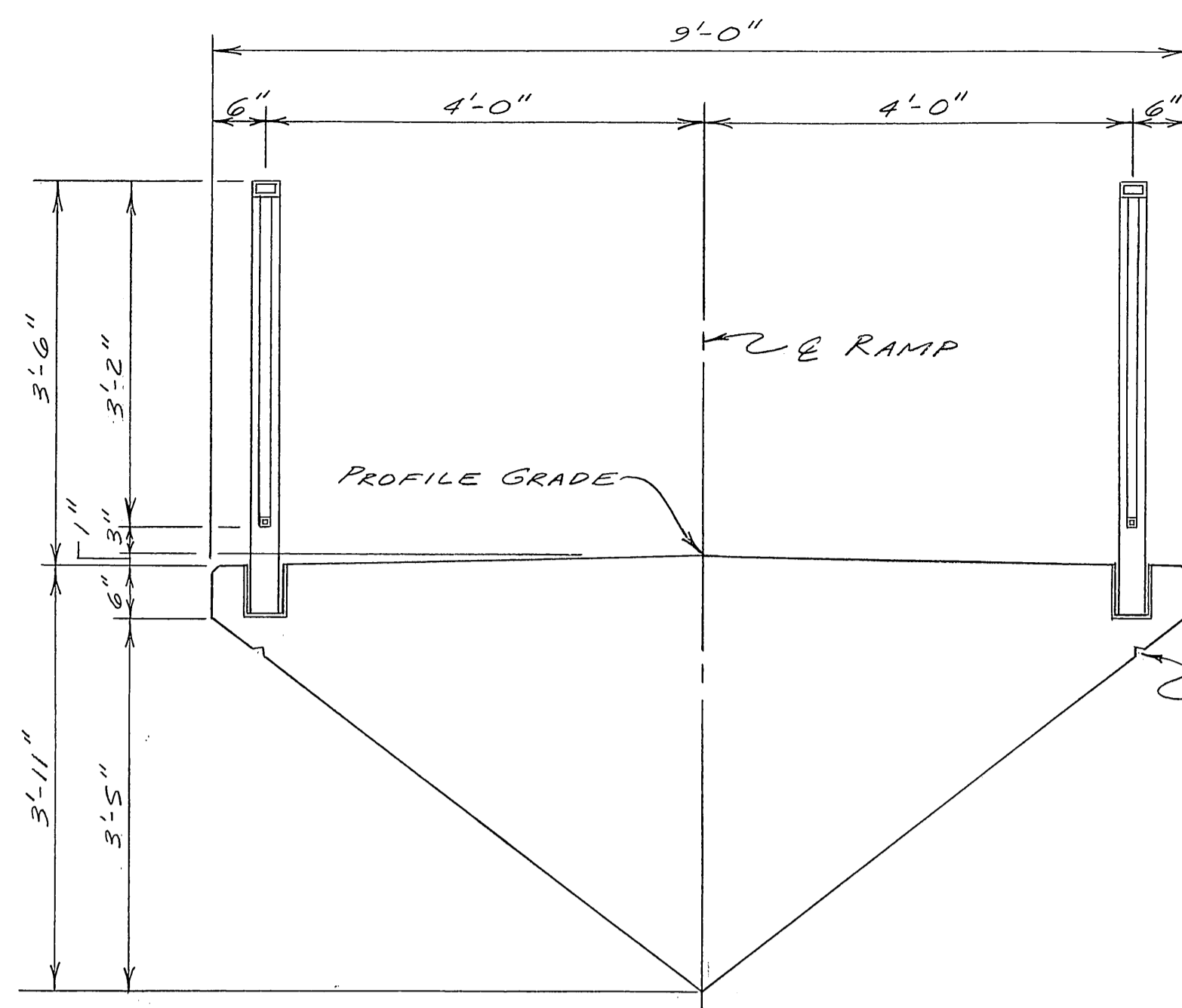


DECK SUPERSTRUCTURE DETAILS
PARK STREET PEDESTRIAN OVERPASS

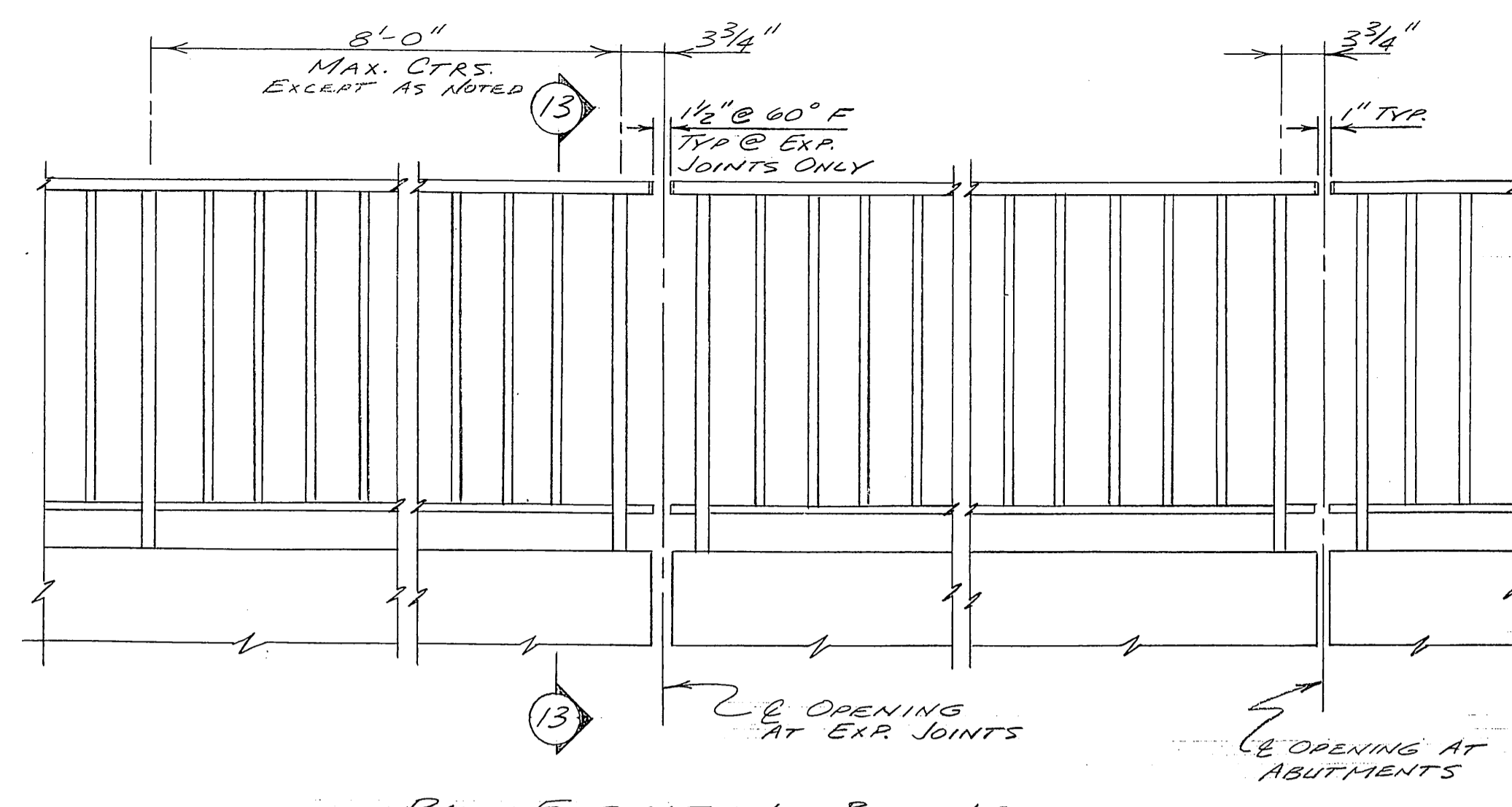
Drawn By: G.B.H. | Checked By: R.K.
WARZYH ENGINEERING
AND SERVICE CO., INC.
CONSULTING ENGINEERS
MADISON, WISCONSIN

WEILER, STRANG, McMULLIN
AND ASSOCIATES - ARCHITECTS
810 UNIVERSITY BAY DRIVE
MADISON, WISCONSIN 53705

COMM. SHEET S3



TRANSVERSE SECTION TYPICAL THRU SLAB

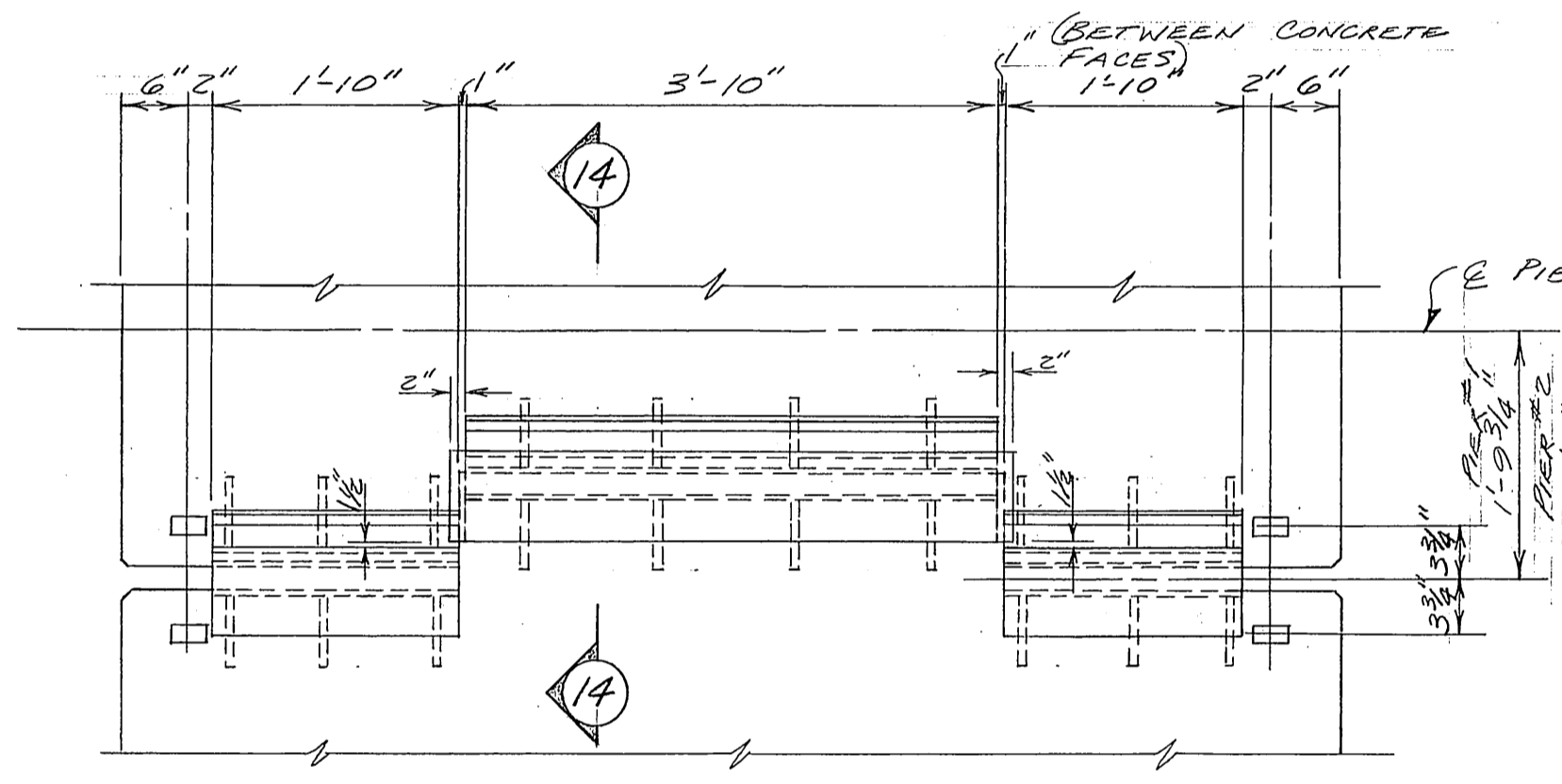


PART ELEVATION - RAILING

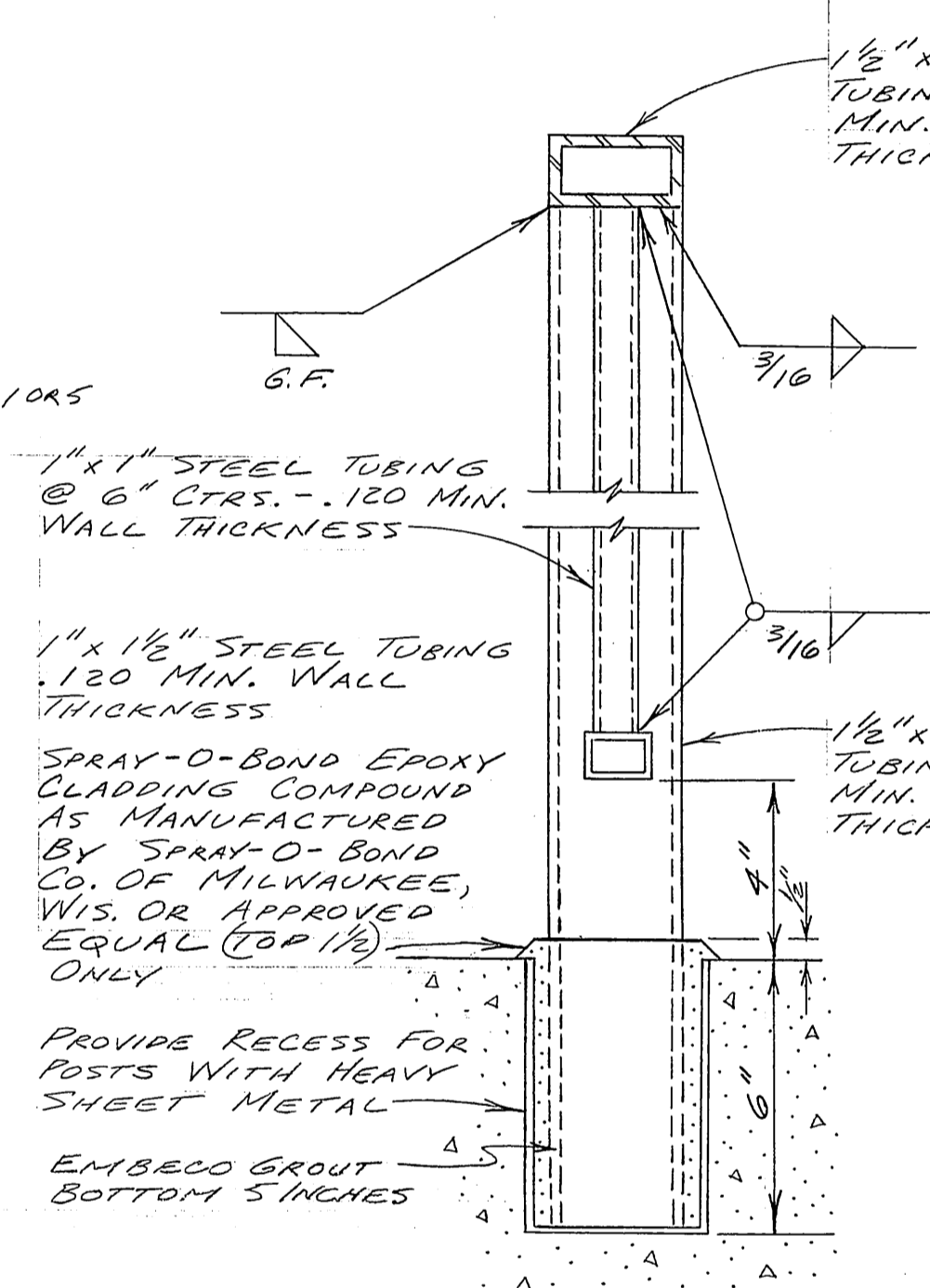
- NOTES**
1. ALL RAILING POSTS TO BE VERTICAL.
 2. RAILING JOINTS TO BE AT EXP. JOINTS AND ABUTMENTS.
 3. PROVIDE RAILING FROM STA. 0+9.40 TO STA. 5+58.97 ON BOTH SIDES. PROVIDE 5' OPENING ON LEFT SIDE FROM STA. 1+49.90 TO 1+54.90 (CONTRACTOR TO PROVIDE RAIL FOR THIS AREA FOR FUTURE INSTALLATION. THE RAIL AT THE NORTH WEST CORNER (NEAR STA. 2+16.40) ON THE LEFT IS TO BE FABRICATED AND INSTALLED TO PROVIDE FOR FUTURE REMOVAL WHEN OVERPASS IS EXTENDED TO THE NORTH.

BILL OF BARS - SUPERSTRUCTURE

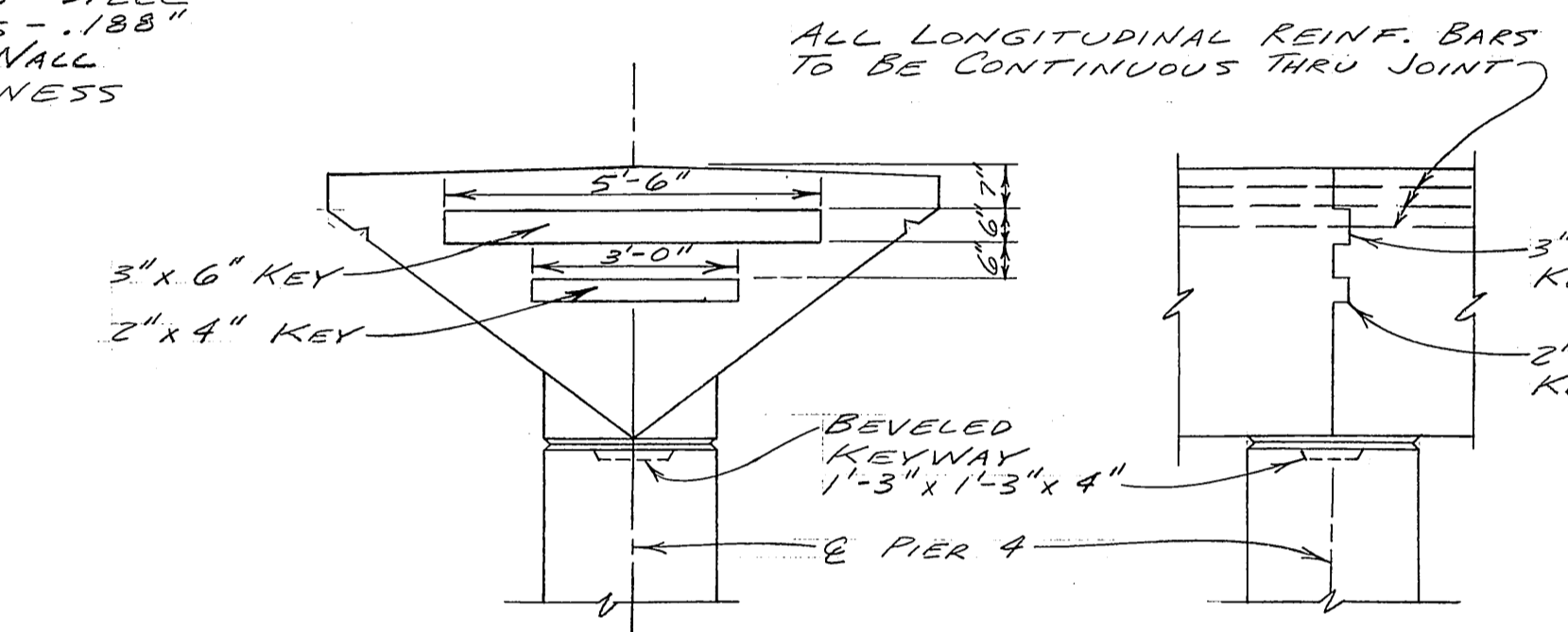
POUR MARK NO.	SIZE	LENGTH	SPACING	LOCATION	DET.
51	3 #	40'-0"	SHOWN	SUPERSTRUCTURE - LONG. BOT.	
52	6 #	24'-6"	"	"	"
53	3 #	30'-0"	"	"	"
54	6 #	20'-9"	"	"	"
55	4 #	30'-0"	"	"	"
56	8 #	28'-6"	"	"	"
57	4 #	20'-0"	"	"	"
58	3 #	29'-0"	"	"	"
59	2 #	30'-0"	"	"	"
510	2 #	26'-0"	"	"	"
511	32 #	12'-6"	"	"	F
512	2 #	23'-0"	"	"	"
513	10 #	21'-0"	"	"	"
514	20 #	28'-0"	"	"	"
515	4 #	31'-0"	"	LONG. TOP	"
516	2 #	20'-6"	"	"	"
517	1 #	35'-0"	"	"	"
518	4 #	30'-0"	"	"	"
519	2 #	12'-0"	"	"	"
520	2 #	21'-0"	"	"	"
521	4 #	32'-0"	"	"	"
522	1 #	20'-0"	"	"	"
523	2 #	34'-0"	"	"	"
524	4 #	35'-0"	"	"	"
525	2 #	22'-0"	"	"	"
526	2 #	23'-0"	"	"	"
527	82 #	11'-10"	1'-0"	STIRRUPS - CIRCULAR RAMP	A
528	82 #	9'-6"	1'-0"	"	B
529	346 #	8'-0"	SHOWN	"	C
530	44 #	40'-0"	"	SUPERSTRUCTURE - LONG. BOT.	
531	10 #	4 39'-3"	"	"	"
532	10 #	4 30'-6"	"	LONG. TOP	"
533	22 #	9 29'-6"	"	"	"
534	12 #	9 25'-6"	"	"	"
535	12 #	4 39'-6"	"	"	"
536	8 #	4 36'-0"	"	"	"
537	17 #	9 38'-0"	"	"	"
538	8 #	9 34'-6"	"	"	"
539	6 #	9 32'-0"	"	"	"
540	20 #	9 20'-6"	"	"	BOTT.
541	10 #	9 37'-0"	"	"	"
542	40 #	4 37'-3"	"	"	"
543	25 #	5 10'-3"	1'-0"	AT EXPANSION JOINT	D
544	250 #	4 11'-10"	1'-0"	STIRRUPS	A
545	250 #	4 9'-6"	1'-0"	"	B
546	120 #	4 3'-0"	SHOWN	EA. SIDE OF RAILING POST IN WALK ON GRADE	E
547	65 #	4 3'-0"	"	AT RAILING POST IN WALK ON GRADE	



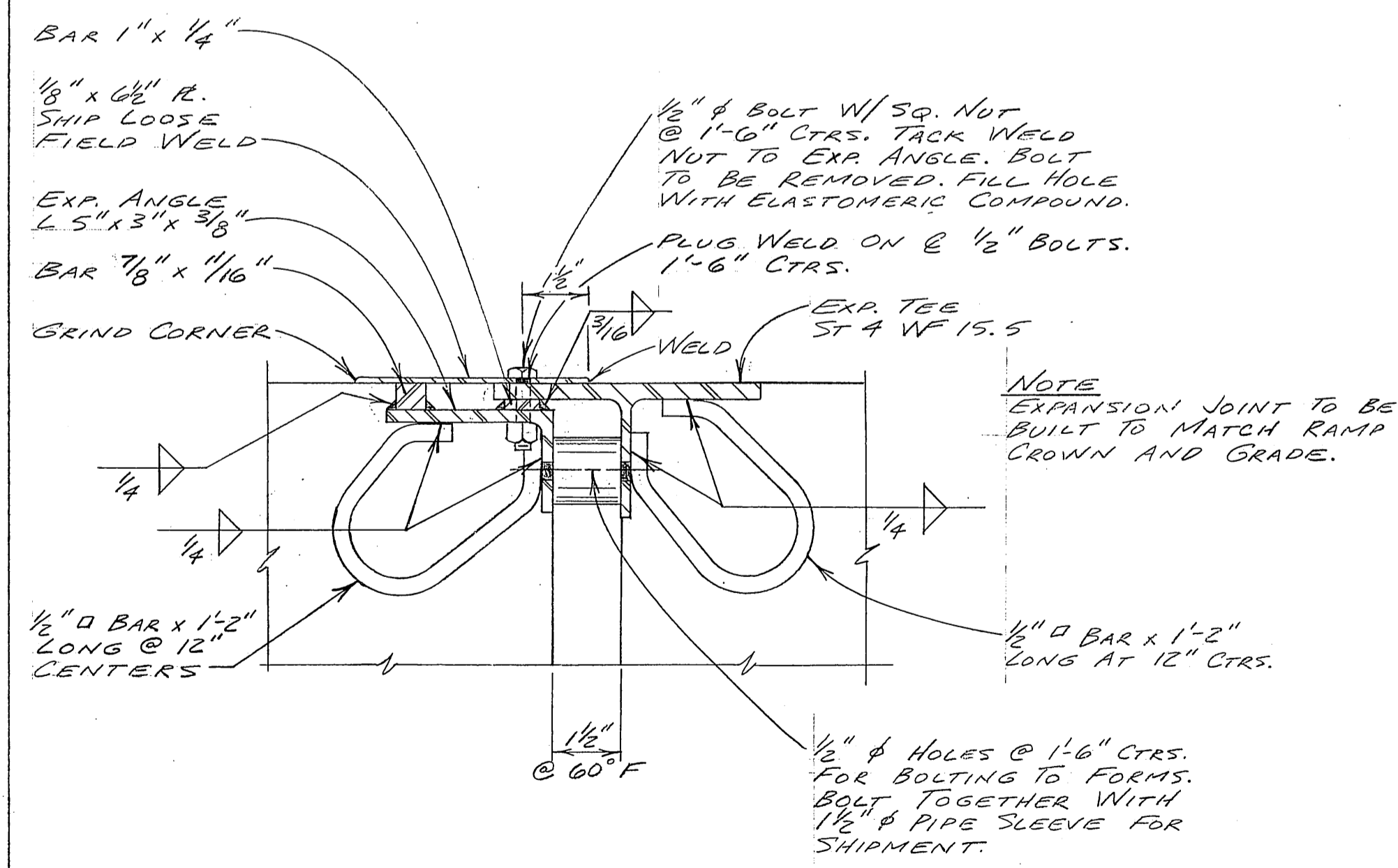
PLAN VIEW EXPANSION JOINT



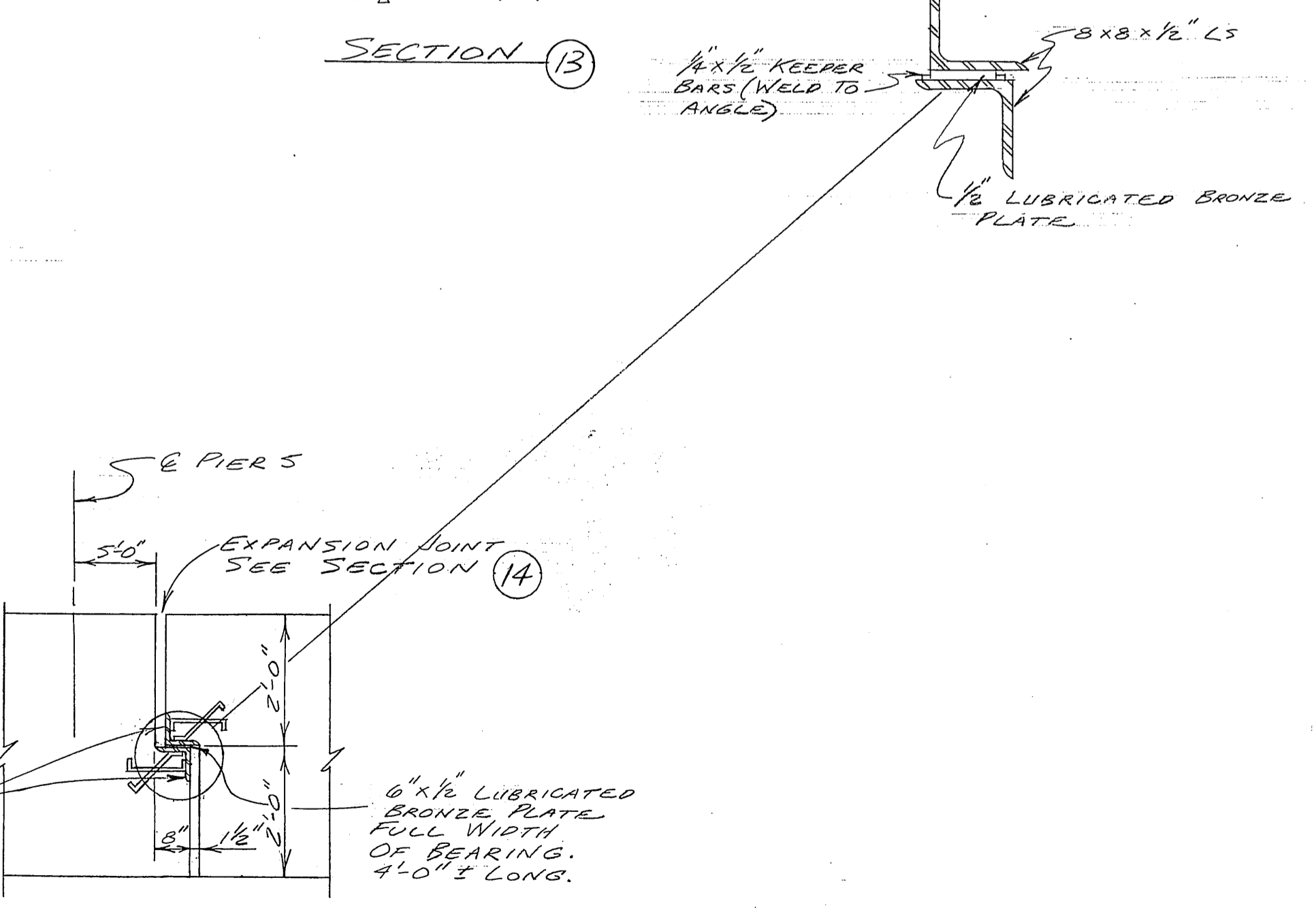
SECTION 13



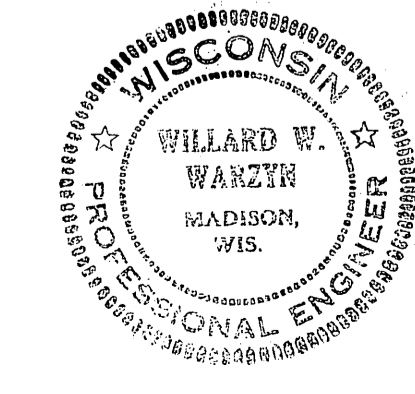
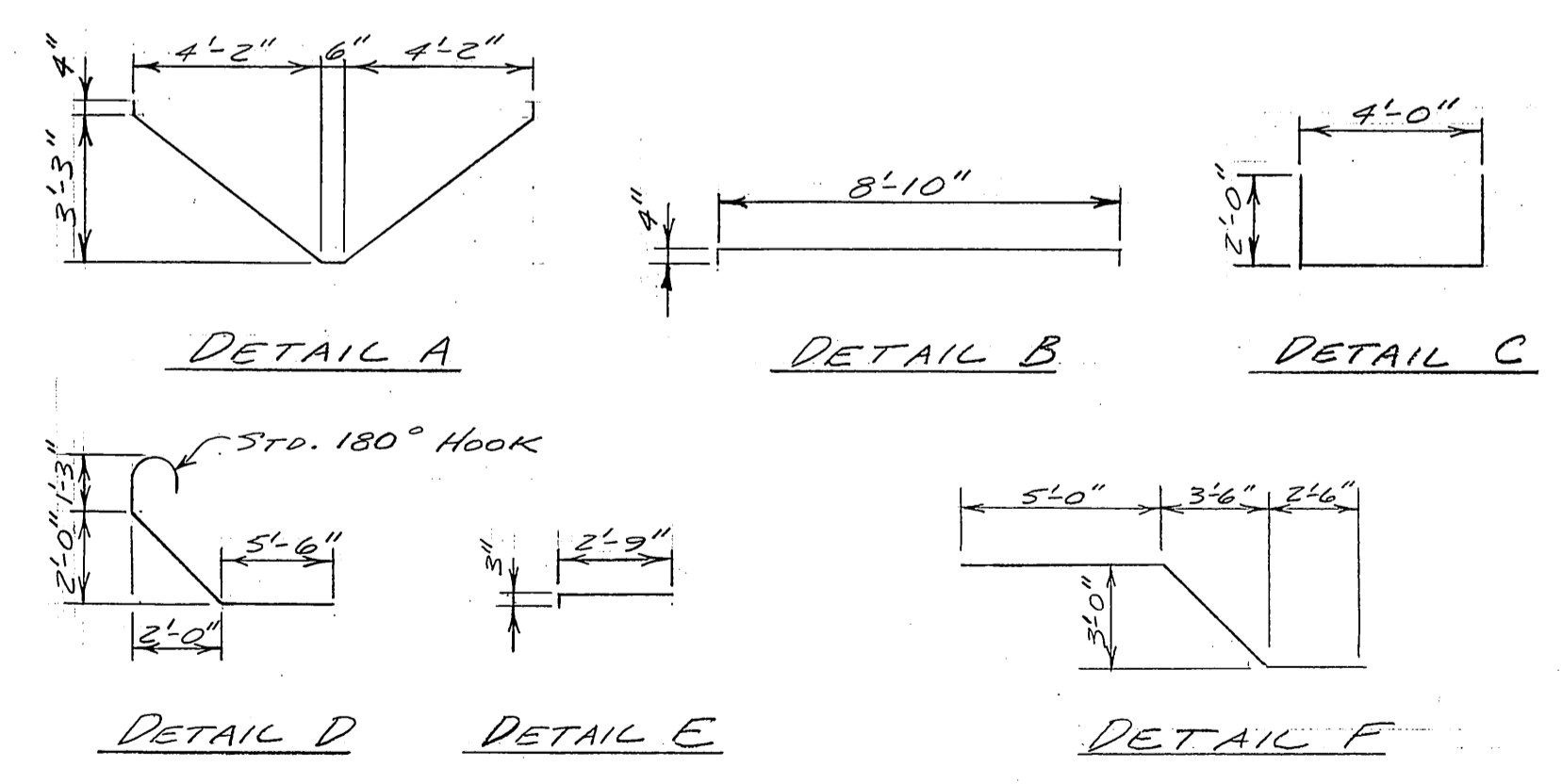
DETAILS - TRANSVERSE CONSTRUCTION JOINT



SECTION 14



BEARING DETAILS PIERS 1 & 5



SUPERSTRUCTURE, EXP. JOINT & RAILING DETAILS
PARK STREET PEDESTRIAN OVERPASS

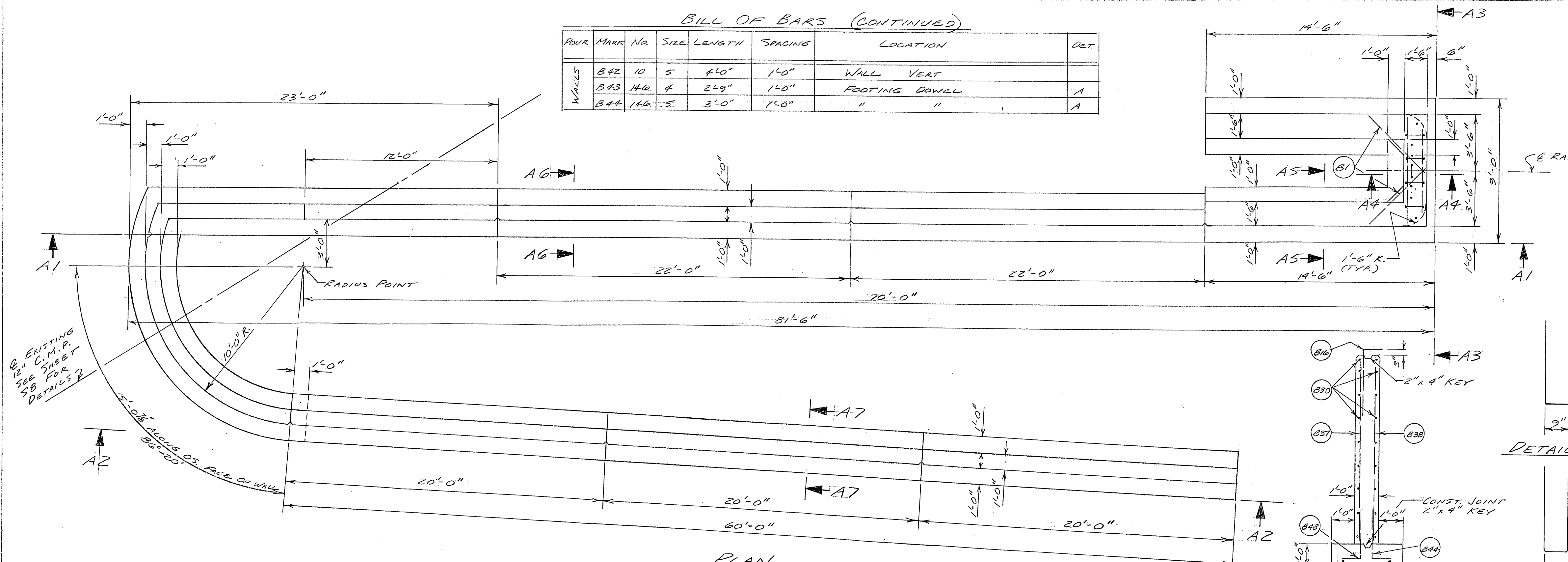
Drawn By: G.B.H. Checked By: R.K.
 WARZYN ENGINEERING AND SERVICE CO., INC.
 CONSULTING ENGINEERS
 MADISON, WISCONSIN

WEILER, STRANG, McMULLIN AND ASSOCIATES - ARCHITECTS
 810 UNIVERSITY BAY DRIVE
 MADISON, WISCONSIN 53705 233-9753

COMM. SHEET S4

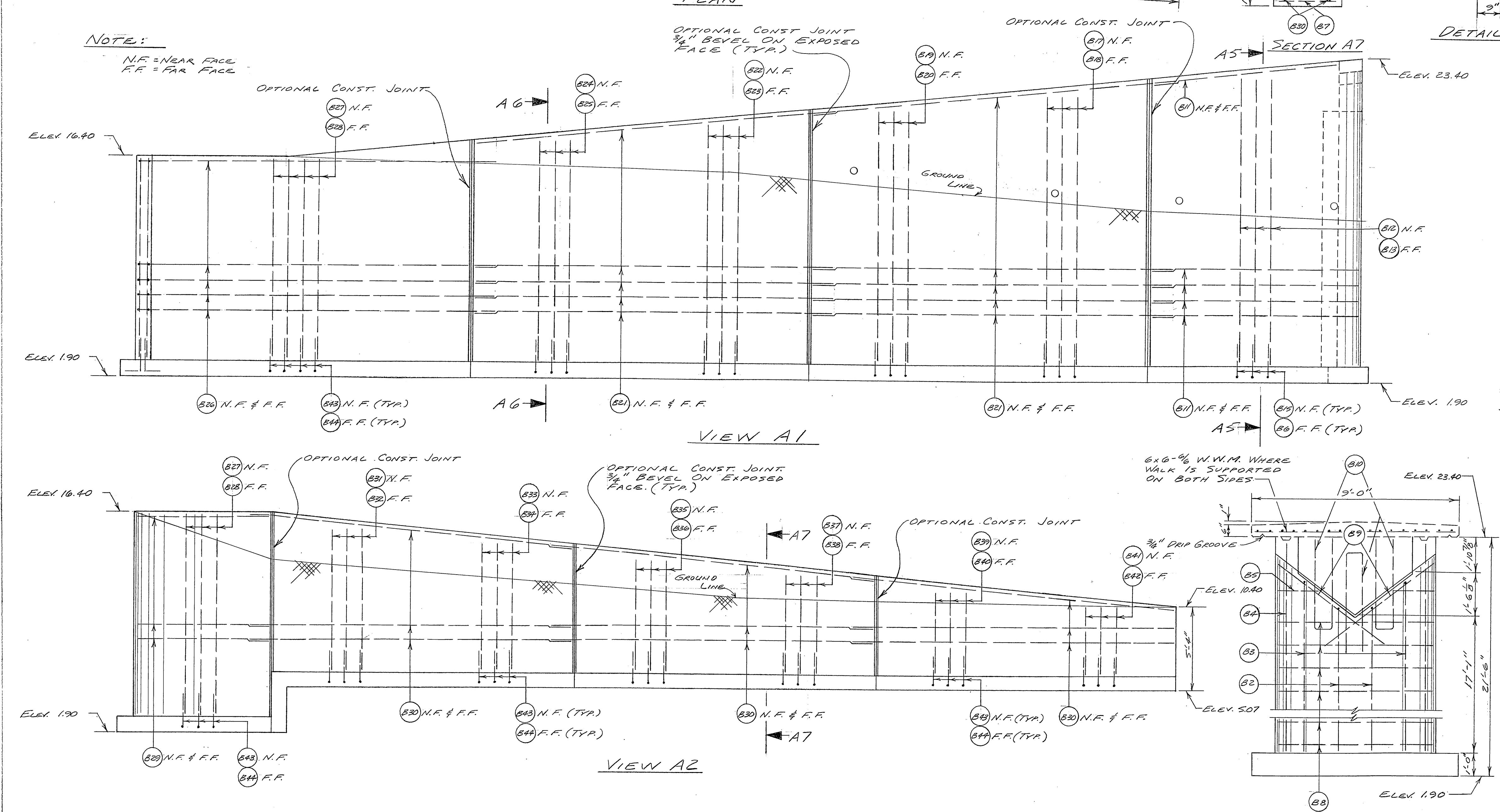
BILL OF BARS (CONTINUED)

POUR MARK	No.	SIZE	LENGTH	SPACING	LOCATION	DET.
WALLS	B42	10	5	4'-0"	1'-0"	WALL VERT
	B43	14G	4	2'-9"	1'-0"	FOOTING DOWEL
	B44	14G	5	3'-0"	1'-0"	"



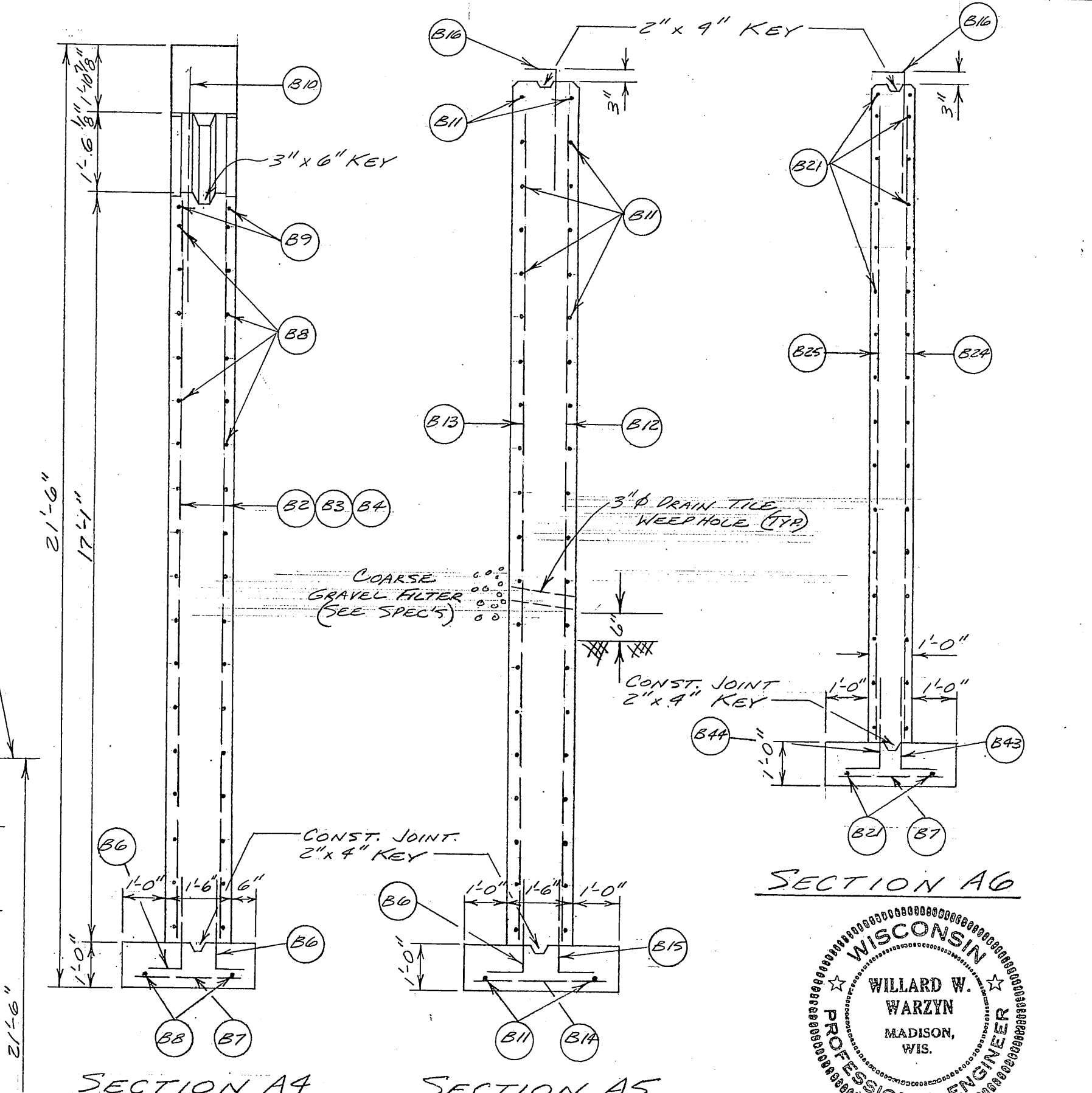
NOTE:

N.F. = NEAR FACE
F.F. = FAR FACE



BILL OF BARS ~ WEST ABUTMENT

POUR MARK	No.	SIZE	LENGTH	SPACING	LOCATION	DET.
	B1	3#	5	5'-0"	1'-0"	ABUTMENT CORNERS
	B2	4	7	18'-0"	1'-6"	ABUTMENT WALLS VERT.
	B3	4	7	19'-3"	1'-6"	"
	B4	2	7	21'-3"	AS SHOWN	"
	B5	4	4	2'-0"	1'-0"	"
	B6	3#	7	3'-3"	1'-0"	FOOTING DOWEL
	B7	15#	5	2'-6"	1'-0"	FOOTINGS INCLUDING WALLS
	B8	3#	4	6'-6"	1'-0"	ABUTMENT WALLS HORIZ.
	B9	4	5	9'-0"	AS SHOWN	ABUTMENT WALLS DIAGONAL
	B10	3	7	12'-9"	AS SHOWN	ABUTMENT WALLS VERT.
	B11	8#	4	13'-6"	1'-0"	"
	B12	2#	5	18'-9"	"	"
	B13	2#	7	18'-9"	"	"
	B14	2#	5	3'-0"	"	FOOTING
	B15	2#	5	3'-0"	"	FOOTING DOWEL
	B16	18#	4	2'-9"	"	TOP OF WALLS
	B17	11	4	17'-9"	"	WALL VERT.
	B18	11	5	17'-9"	"	"
	B19	11	4	16'-6"	"	"
	B20	11	5	16'-6"	"	"
	B21	7#	4	23'-0"	"	"
	B22	11	4	15'-6"	"	VERT.
	B23	11	5	15'-6"	"	"
	B24	11	4	14'-6"	"	"
	B25	11	5	14'-6"	"	"
	B26	3#	4	22'-9"	"	"
	B27	4#	4	13'-3"	"	VERT.
	B28	4#	5	13'-3"	"	"
	B29	3#	4	18'-9"	"	HORIZ. (BEND IN FIELD)
	B30	4#	4	21'-0"	"	"
	B31	1#	4	9'-0"	"	VERT.
	B32	1#	5	9'-0"	"	"
	B33	1#	4	8'-0"	"	"
	B34	1#	5	8'-0"	"	"
	B35	1#	4	7'-0"	"	"
	B36	1#	5	7'-0"	"	"
	B37	1#	4	6'-0"	"	"
	B38	1#	5	6'-0"	"	"
	B39	1#	4	5'-0"	"	"
	B40	1#	5	5'-0"	"	"
	B41	1#	4	4'-0"	1'-0"	"



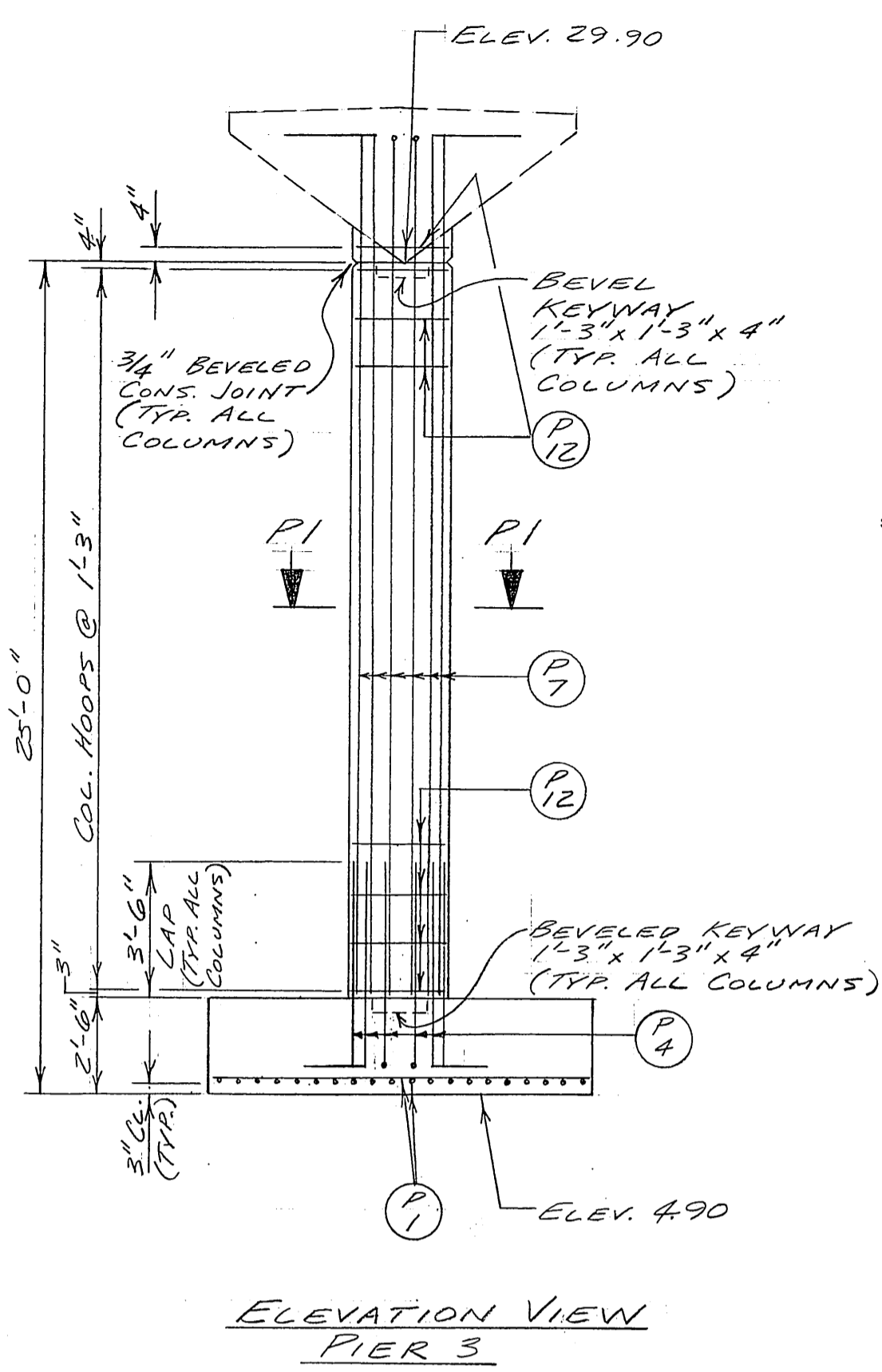
WEST ABUTMENT
PARK STREET PEDESTRIAN OVERPASS

Drawn By: G.B.M. Checked By: R.K.
WARBYN ENGINEERING
AND SERVICE CO., INC.
CONSULTING ENGINEERS
MADISON, WISCONSIN

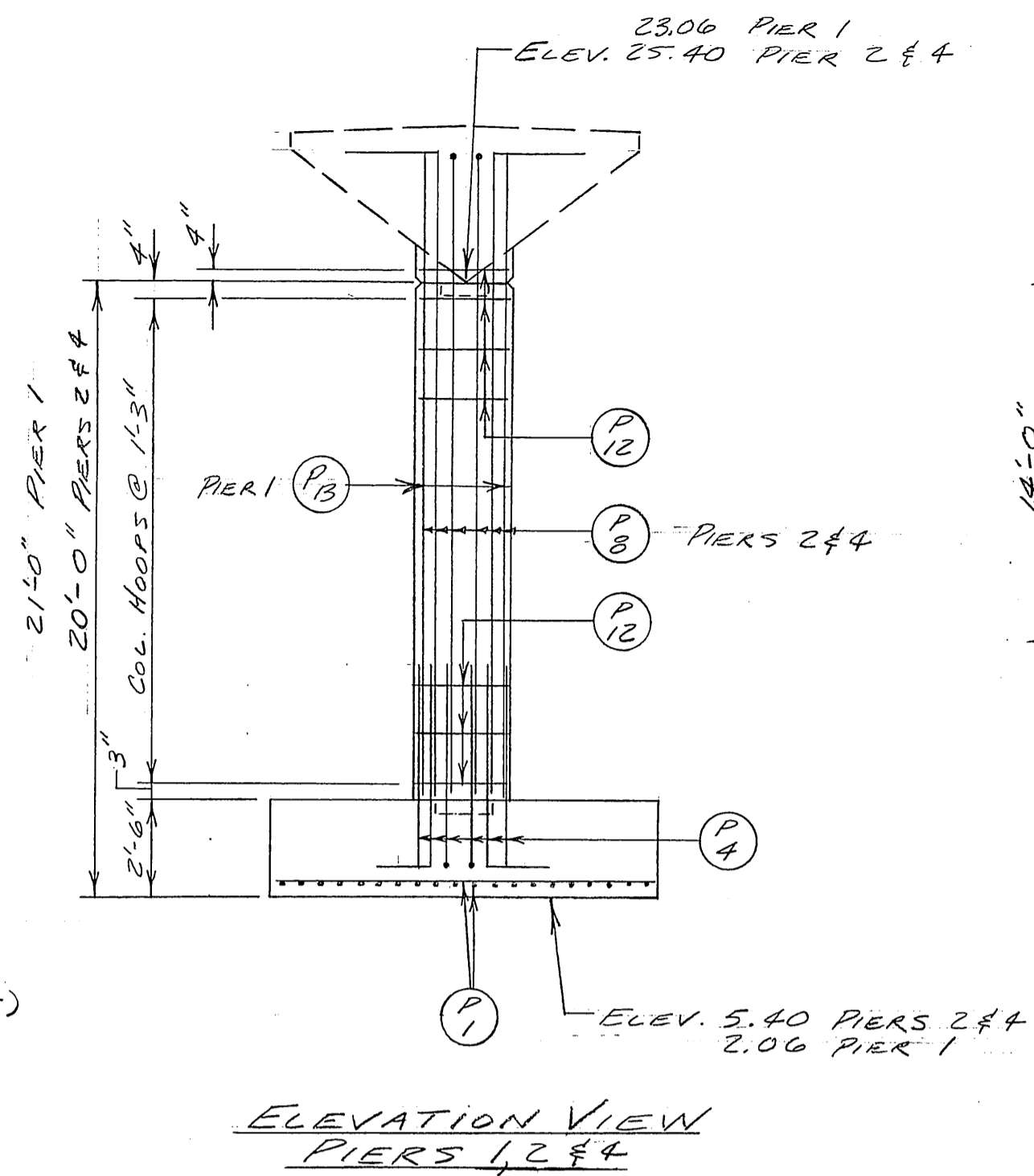
WILLARD W. WARZYN
MADISON, WIS.
PROFESSIONAL ENGINEER

WEILER, STRANG, McMULLIN
AND ASSOCIATES - ARCHITECTS
810 UNIVERSITY BAY DRIVE
MADISON, WISCONSIN 53705 233-9753

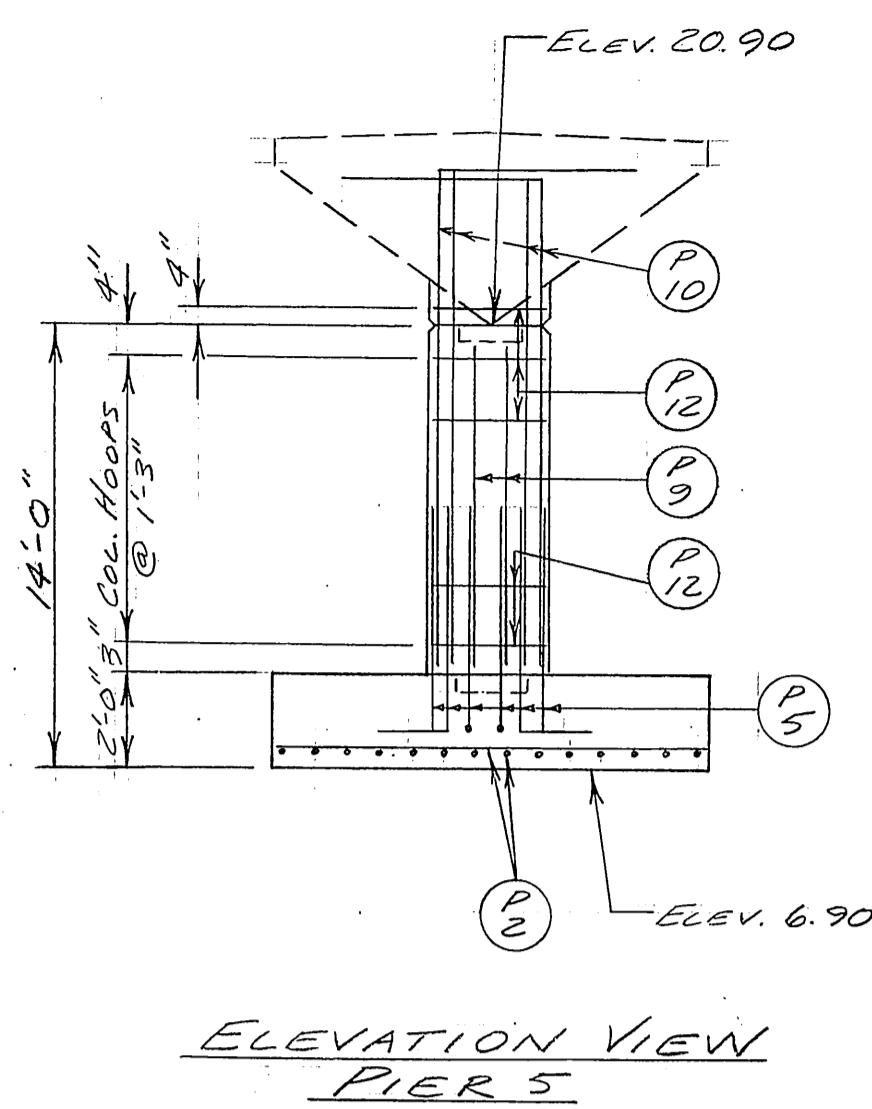
COMM. SHEET S5



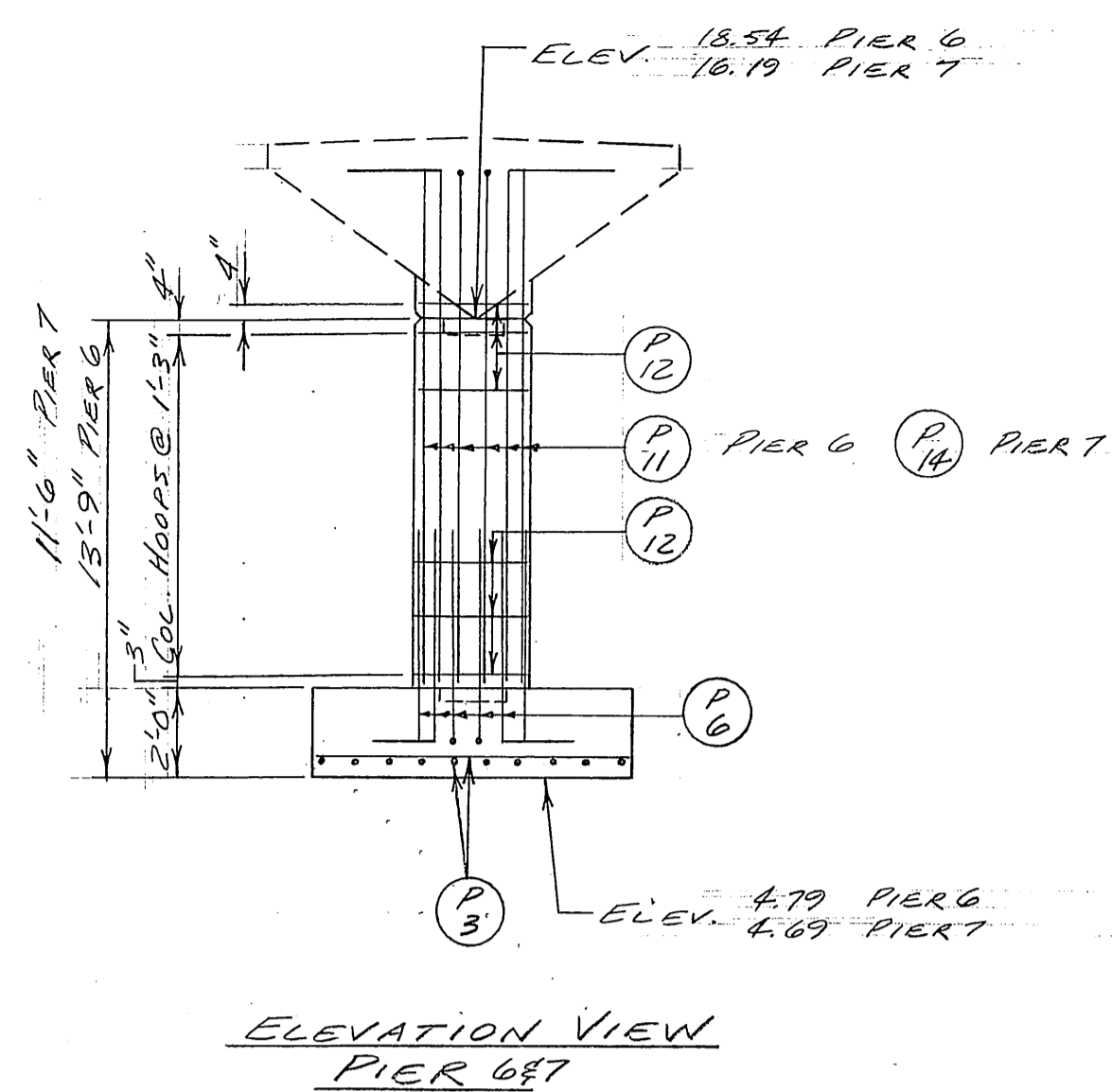
ELEVATION VIEW
PIER 3



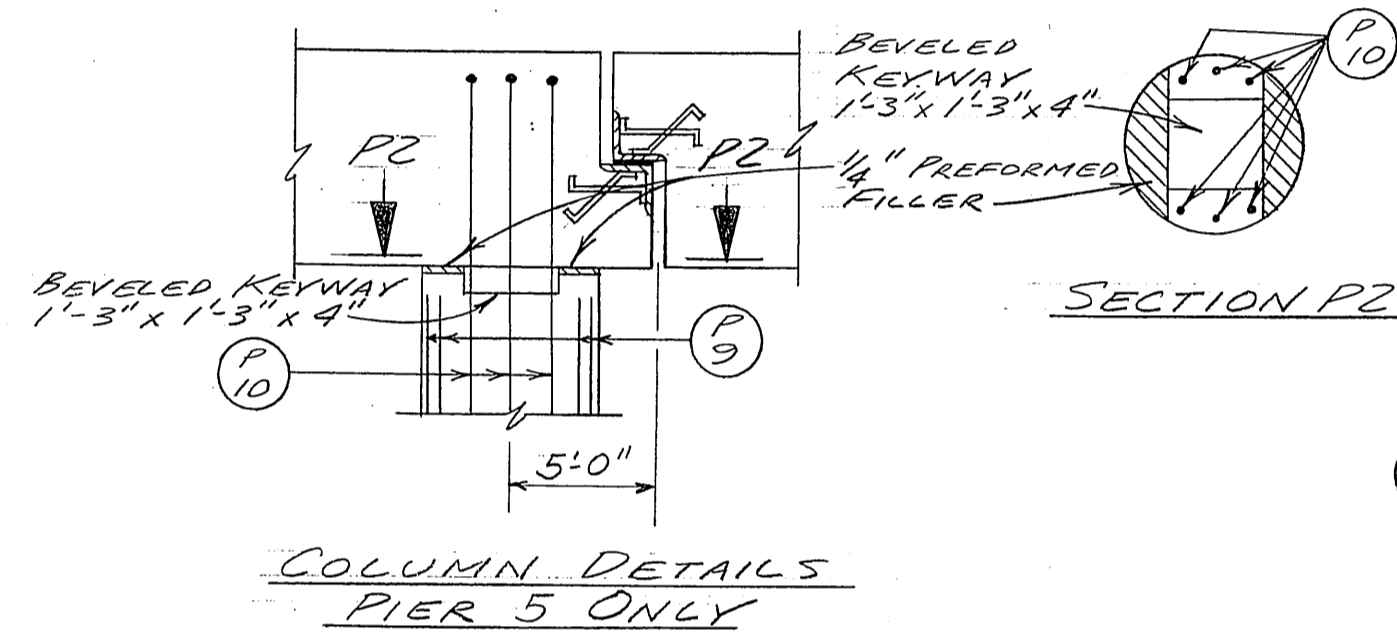
ELEVATION VIEW
PIERS 1, 2 & 4



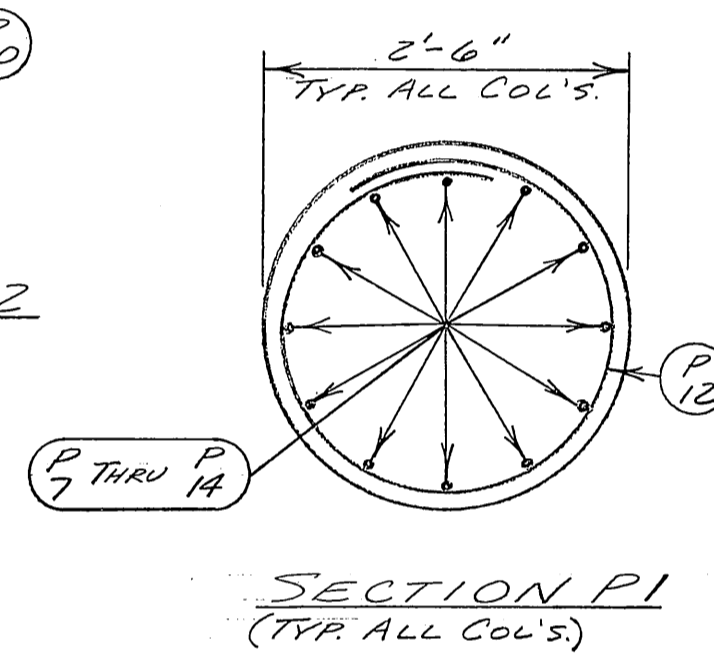
ELEVATION VIEW
PIER 5



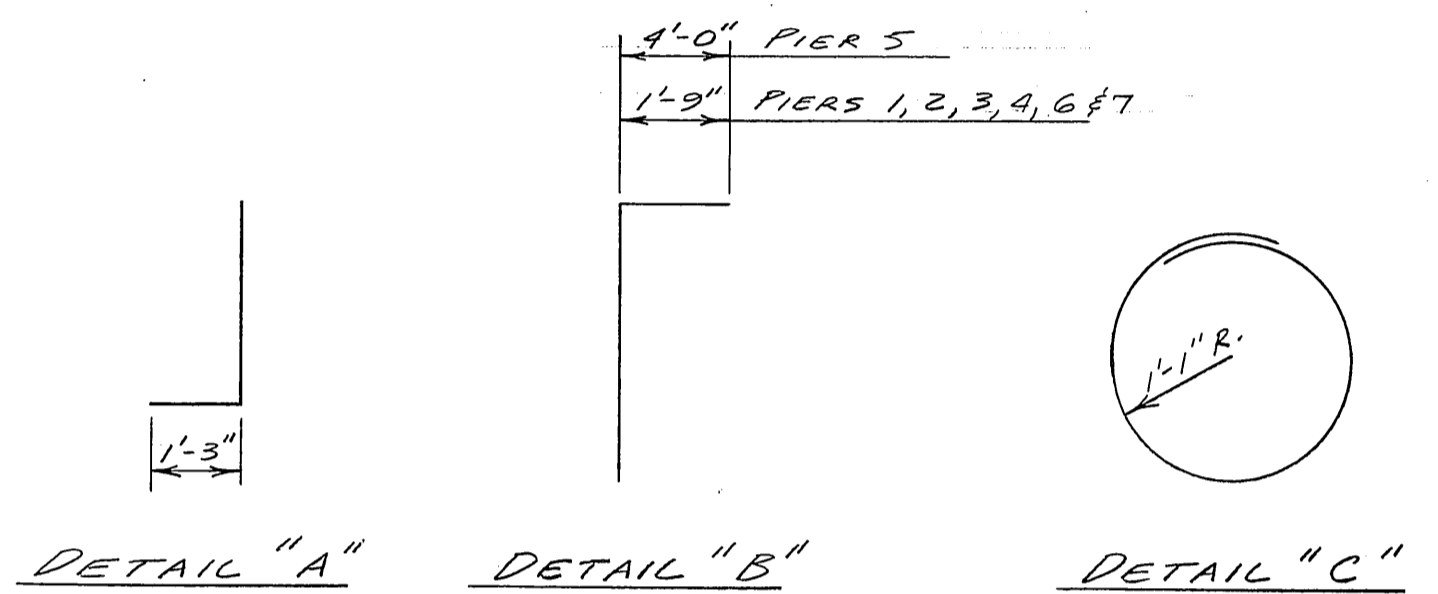
ELEVATION VIEW
PIERS 6 & 7



COLUMN DETAILS
PIER 5 ONLY



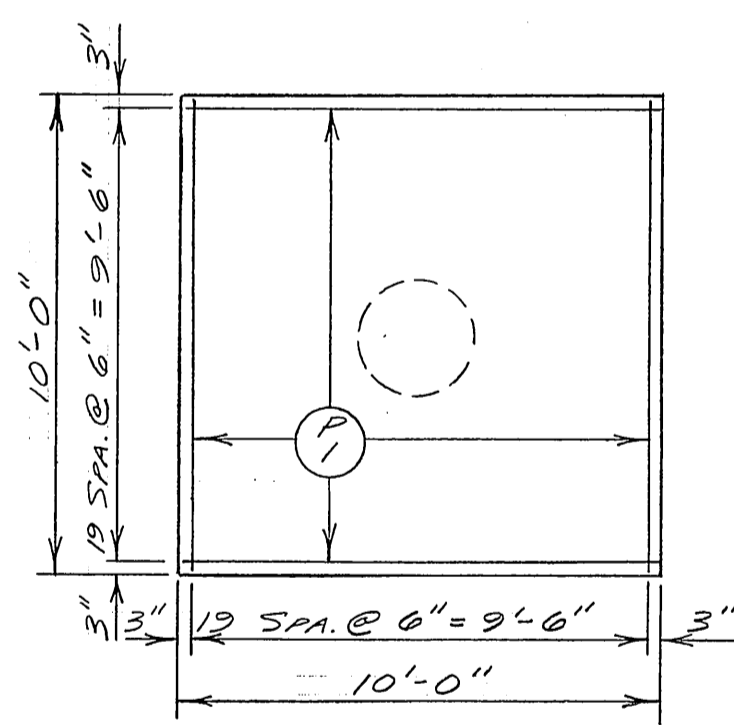
SECTION P1
(TYP. ALL COL'S)



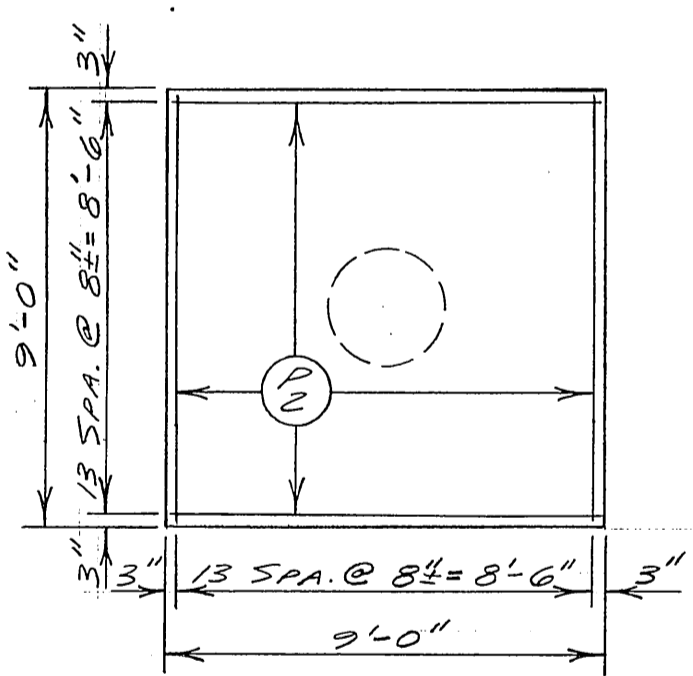
DETAIL "A"

DETAIL "B"

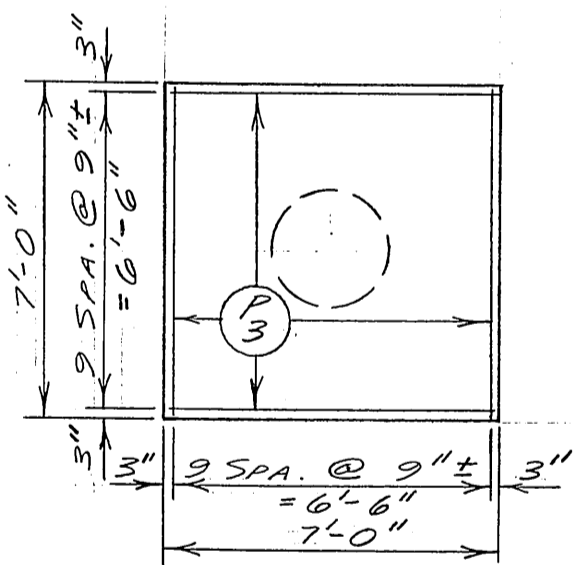
DETAIL "C"



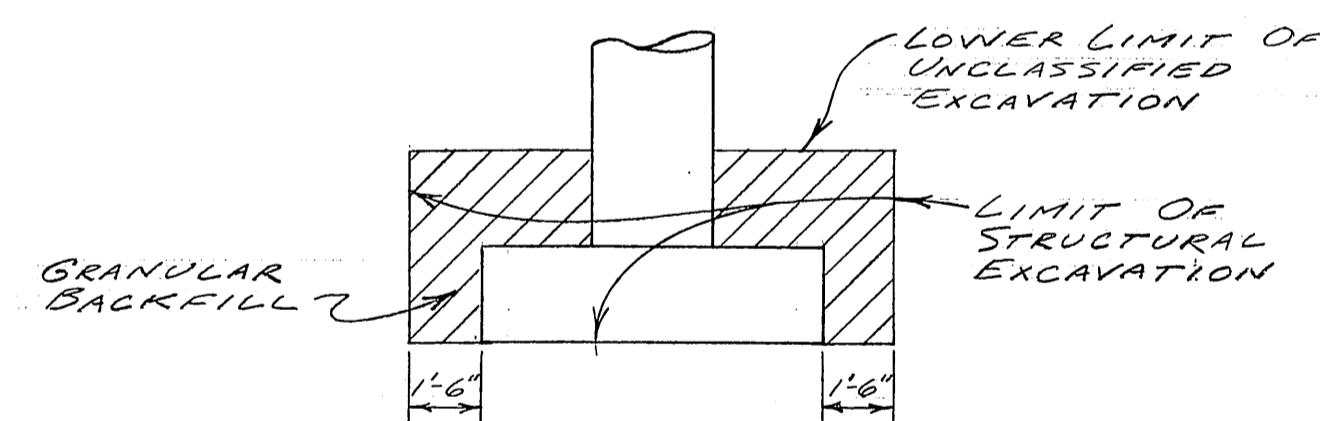
FOOTING PLAN
PIERS 1, 2, 3 & 4



FOOTING PLAN
PIER 5



FOOTING PLAN
PIERS 6 & 7



PAY LIMITS FOR STRUCTURAL EXCAVATION
AND GRANULAR BACKFILL

BILL OF BARS - PIERS

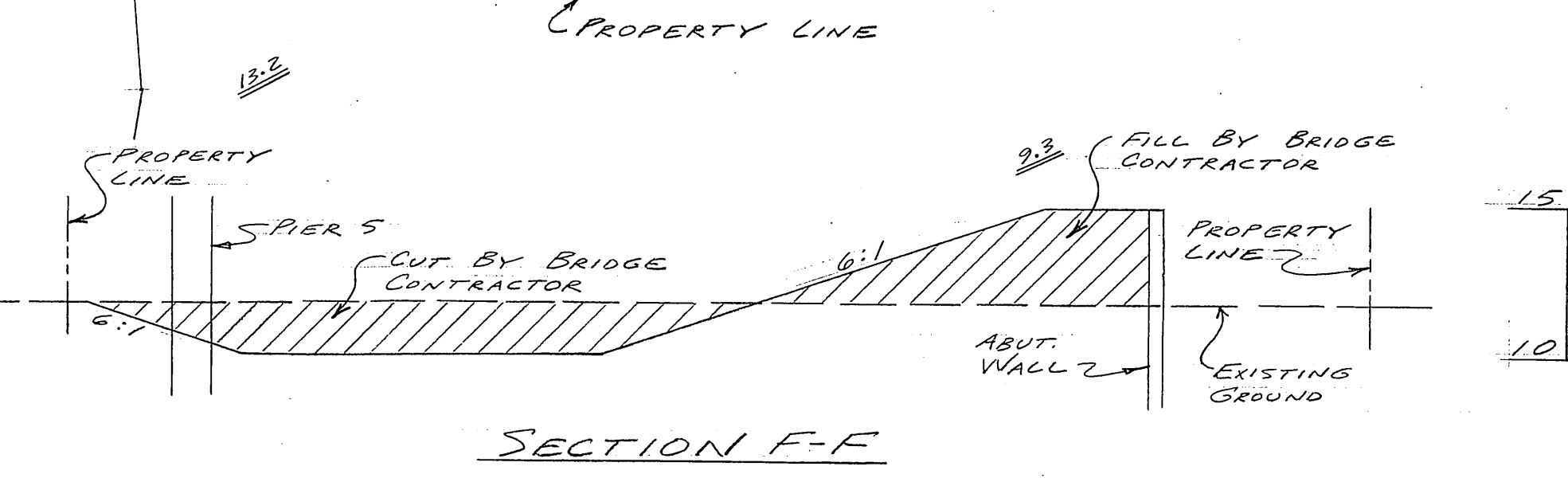
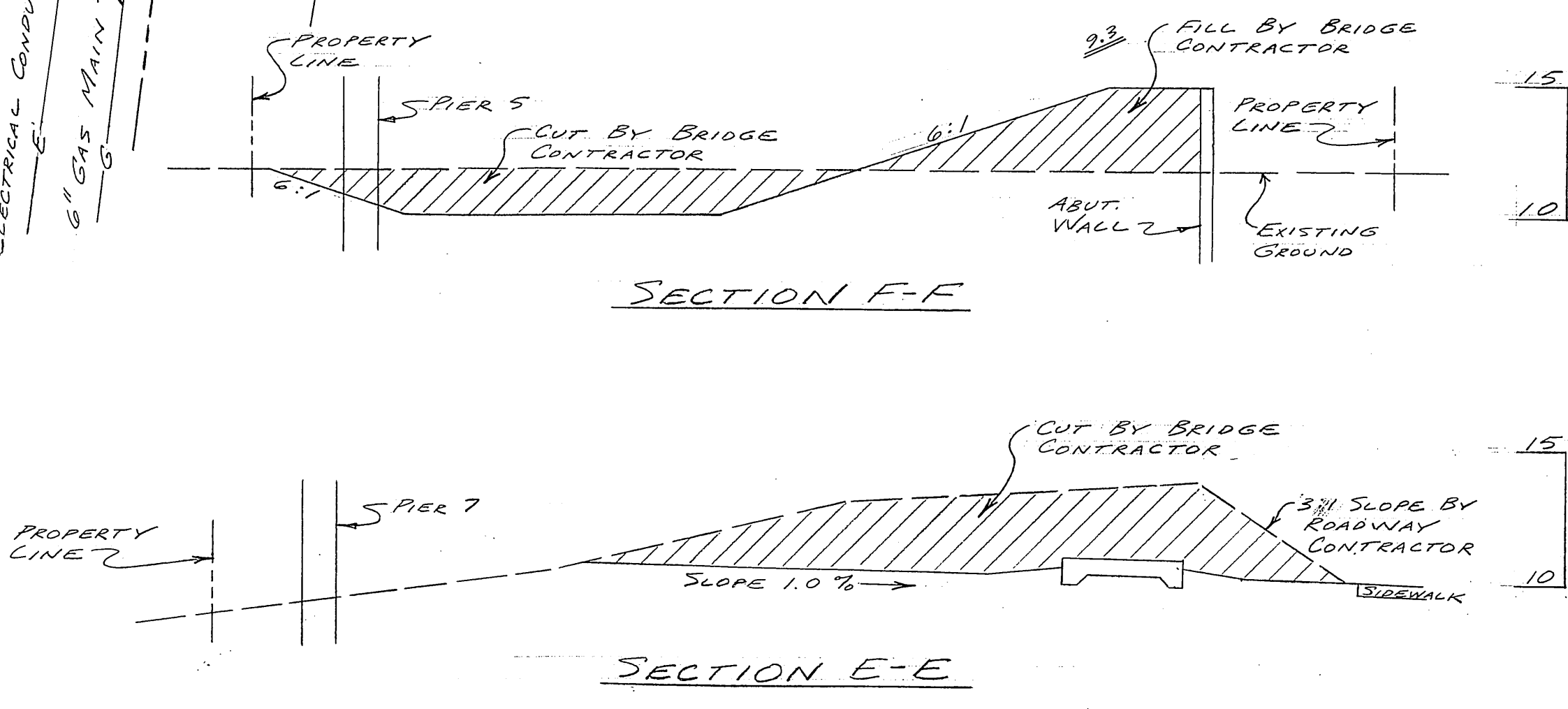
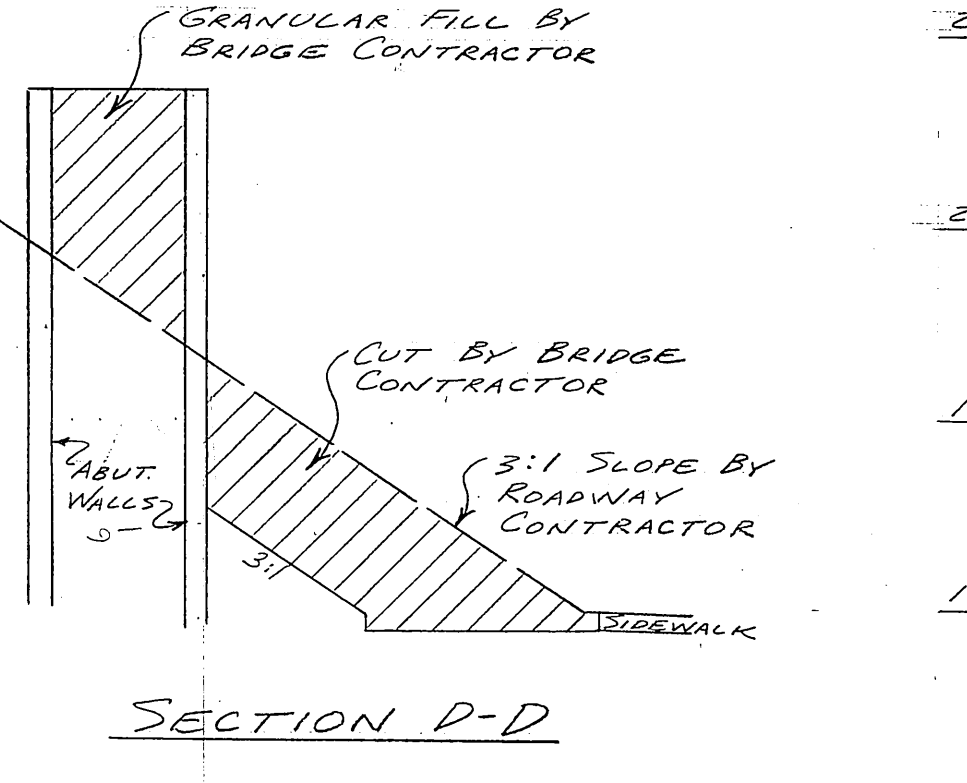
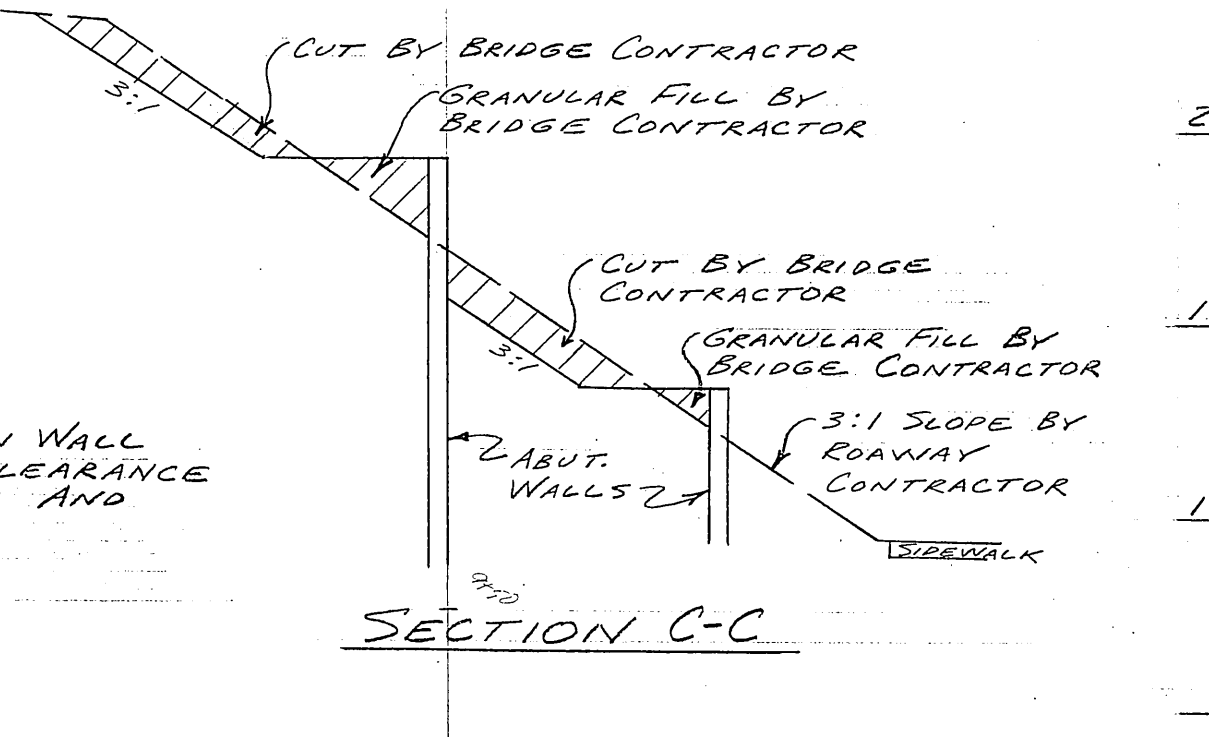
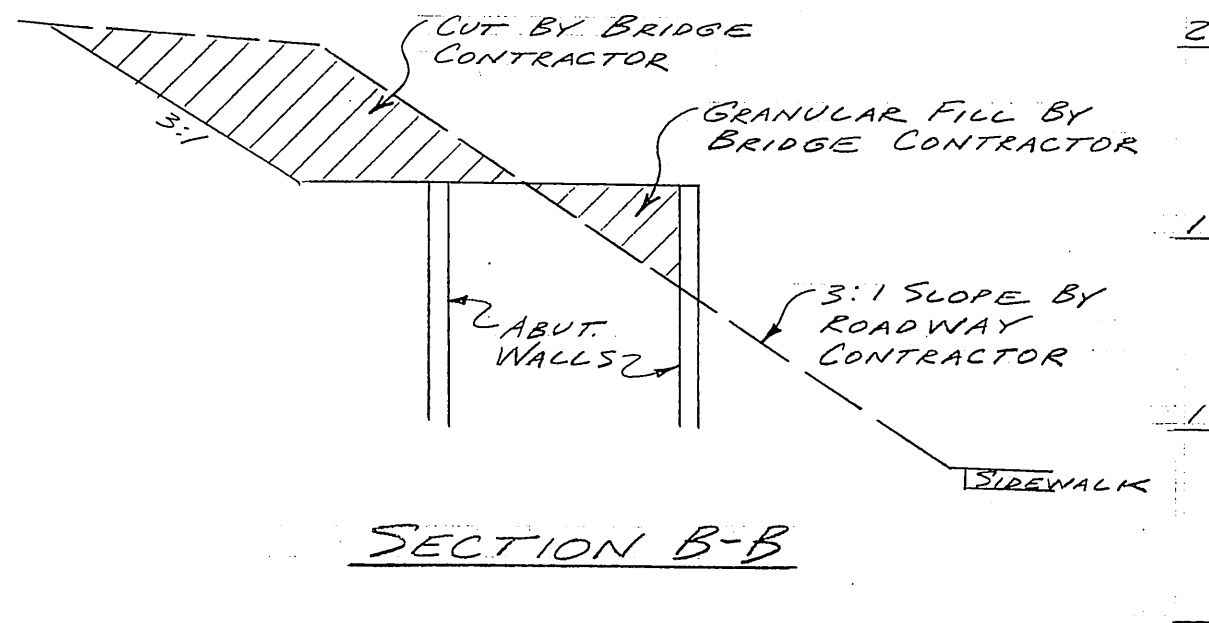
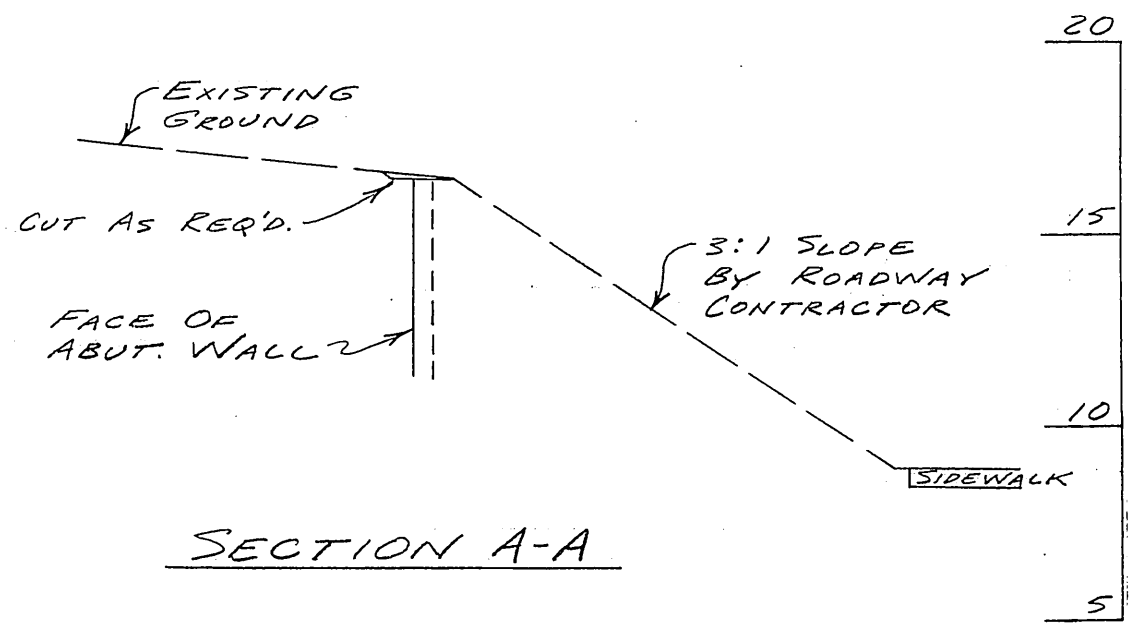
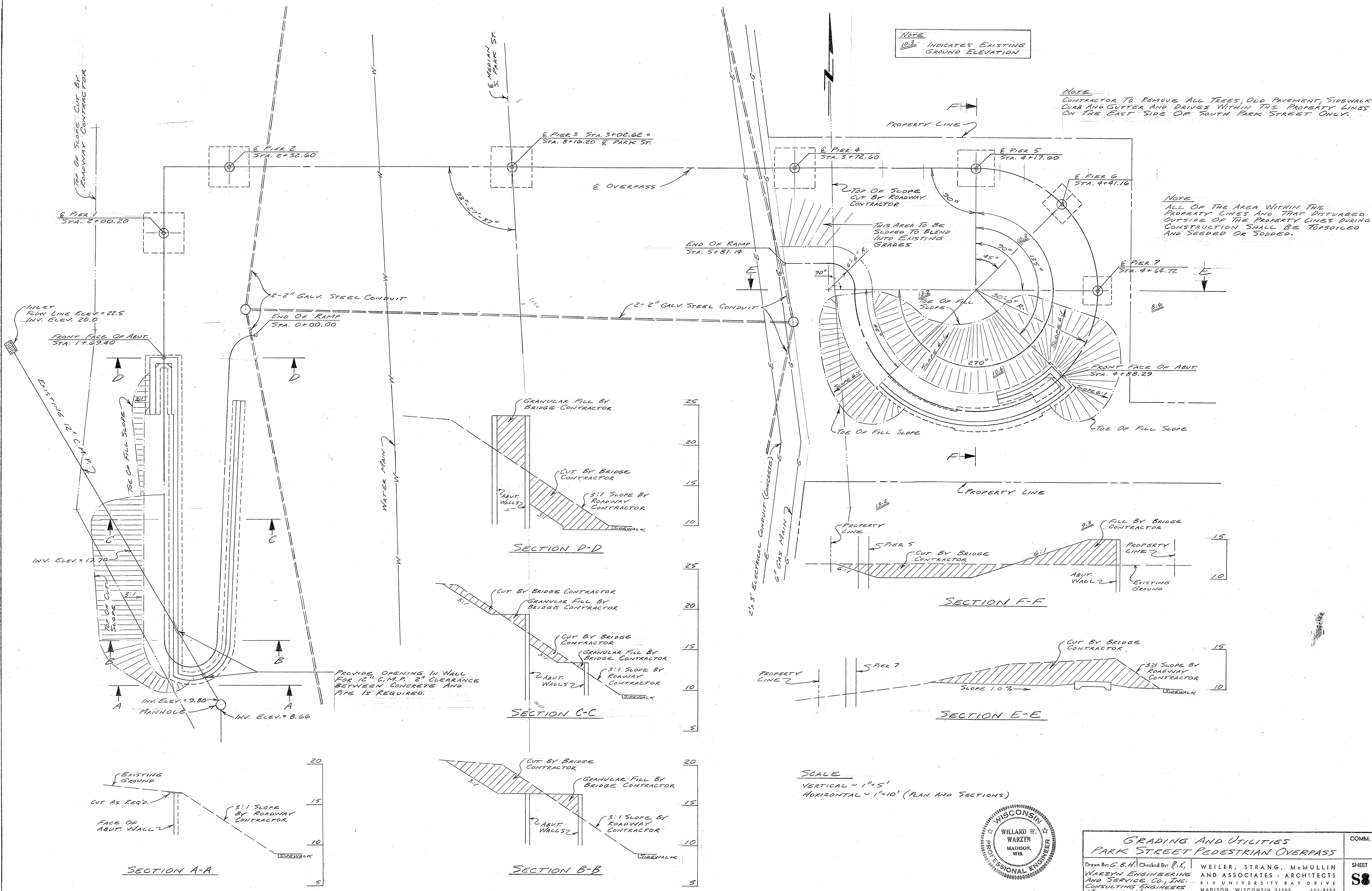
FOUR MARK	NO.	SIZE	LENGTH	SPACING	LOCATION	PFT.
P1	180	6	9'-6"	SHOWN	COLUMN FOOTING - PIERS 1, 2, 3 & 4	
P2	28	6	8'-6"	"	" " - PIER 5	
P3	40	5	6'-6"	"	" " - " 6#7	
P4	48	11	6'-9"	"	FOOTING & PIERS 1, 2, 3 & 4	A
P5	12	10	6'-3"	"	" " PIER 5	A
P6	24	8	5'-3"	"	" " " " 6#7	A
P7	12	11	27'-3"	SHOWN	VERTICAL - PIER 3	B
P8	24	11	22'-3"	"	" PIERS 2 & 4	B
P9	6	10	11'-9"	"	" PIER 5	
P10	6	10	19'-0"	"	" " 5	B
P11	12	8	16'-6"	"	" " 6	B
P12	95	4	8'-0"	1-3	COLUMN HOOPS	C
P13	12	11	23'-3"	AS SHOWN	VERTICAL PIER 1	B
P14	12	8	14'-3"	"	" PIER 7	B



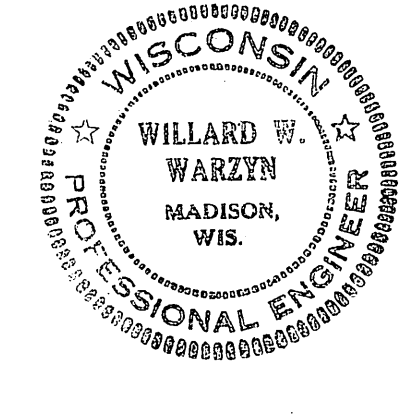
NOTE
 10.3 INDICATES EXISTING
 GROUND ELEVATION

NOTE
 CONTRACTOR TO REMOVE ALL TREES, OLD PAVEMENT, SIDEWALKS,
 CURB AND GUTTER AND DRIVES WITHIN THE PROPERTY LINES
 ON THE EAST SIDE OF SOUTH PARK STREET ONLY.

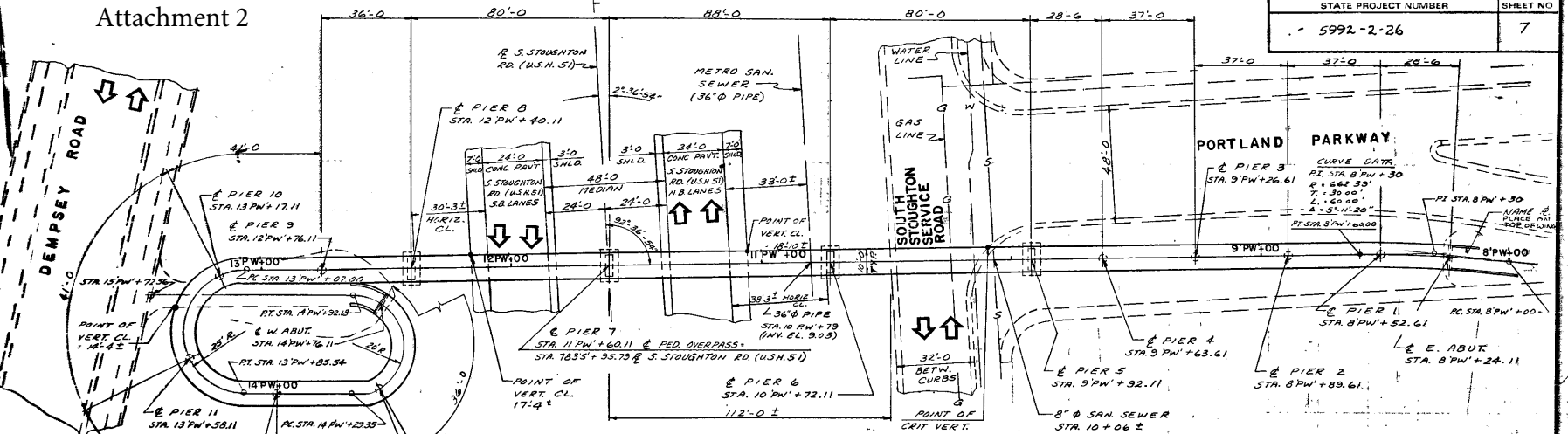
NOTE
 ALL OF THE AREA WITHIN THE
 PROPERTY LINES AND THAT DISTURBED
 OUTSIDE OF THE PROPERTY LINES DURING
 CONSTRUCTION SHALL BE TOPSOILED
 AND SEEDED OR SODDED.



SCALE
 VERTICAL - 1"=5'
 HORIZONTAL - 1"=10' (PLAN AND SECTIONS)



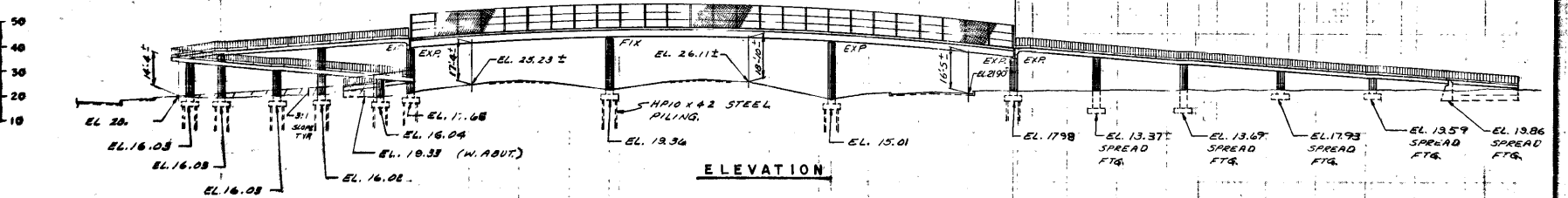
GRADING AND UTILITIES PARK STREET PEDESTRIAN OVERPASS		COMM.
Drawn By: G.B.H. Checked By: P.K.	WEILER, STRANG, McMULLIN AND ASSOCIATES - ARCHITECTS 810 UNIVERSITY BAY DRIVE MADISON, WISCONSIN 53705	SHEET 58



PLAN - B-13-341

DESIGN CRITERIA
 DESIGN CRITERIA FOR PEDESTRIAN BRIDGES
 INTERSTATE OR COMPARABLE HIGHWAYS BUREAU
 OF PUBLIC ROADS - APPENDIX A

EXPANSION DEVICE
 TYR E. & W. ABUTS &
 PIERS 5 & 6.



ELEVATION

FOUNDATION DATA

PIERS 5-12 AND WEST ABUT. SUPPORTED ON HP 10-48 STEEL PILING, DRIVEN TO A MIN. BRG. VALUE OF 55 TONS PER PILE, EST. 50'-0" PIER 8 AND 30'-0" PIER 6 -13 AND WEST ABUT. PIERS 1-4 AND EAST ABUT. SUPPORTED ON SPREAD FOOTINGS WITH A MIN SOIL BRG. PRESSURE OF 5.8 KIPS PER SQ. FOOT.

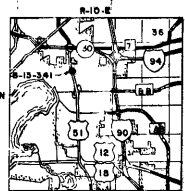
TRAFFIC VOLUME

U.S.H. 51
 A.D.T. 55,300 (1950)
 R.D.S. 50 M.M.

DESIGN DATA

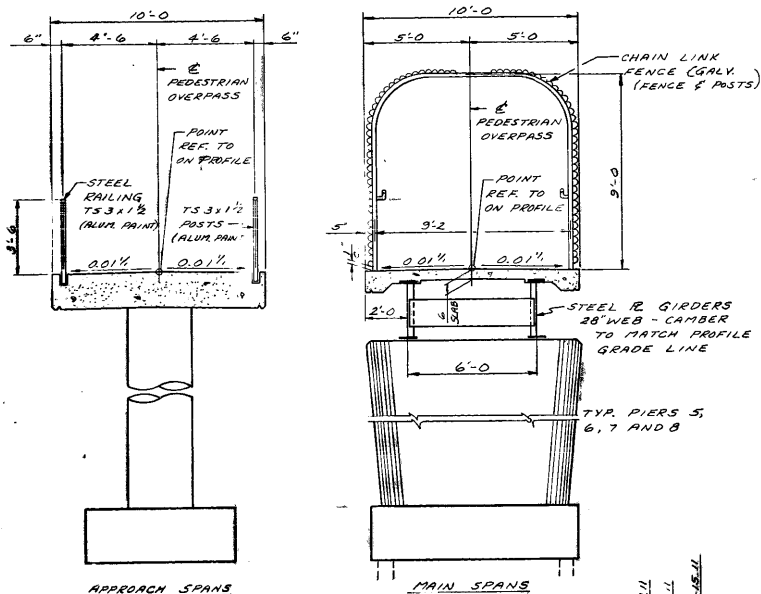
LIVE LOAD: 85#/SQ. FT.
 ALLOWABLE DESIGN STRESSES:
 CONCRETE MASONRY SLAB
 ALL OTHER
 BAR STEEL REINFORCEMENT, GRADE 60
 STRUCTURAL CARBON STEEL (A.S.T.M. A36)
 STRUCTURAL LOW ALLOY STEEL (A.S.T.M. A572 70 AND INCLUDING 2" THICK.

$f'_c = 4000$ P.S.I.
 $f'_c = 3,500$ P.S.I.
 $F_y = 60,000$ P.S.I.
 $F_s = 20,000$ P.S.I.
 $F_c = 22,000$ P.S.I.

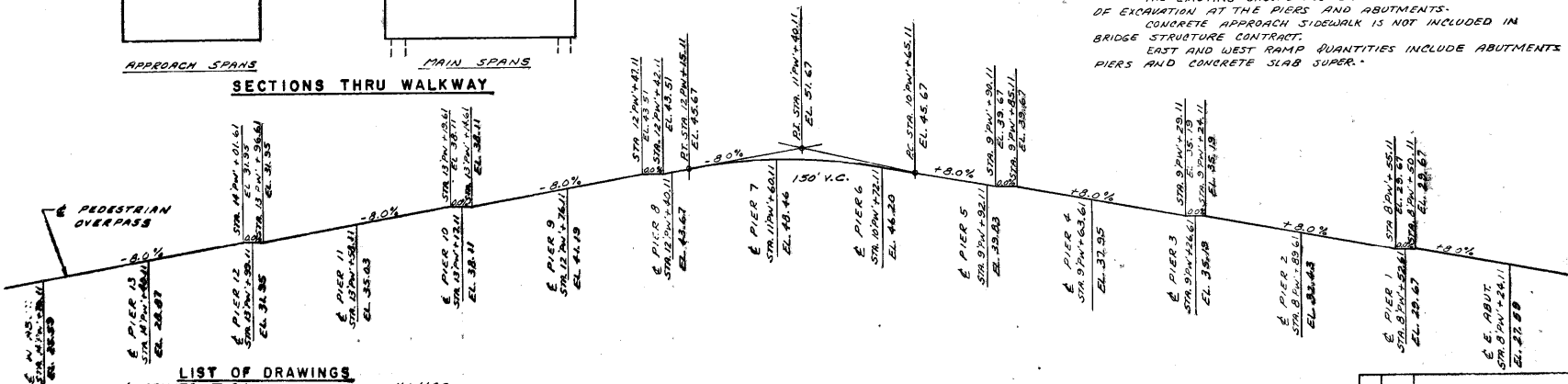


LAYOUT

No.	Date	Revision	By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-13-341			
PEDESTRIAN OVERPASS OVER U.S.H. 51			
County	DANE	Form/CL	MADISON
Design Spec.	A.A.S.H.T.O. 1973	1004	85 P.S.F. 1978
Designed By	CDW	Checked	R.L.P.
Drawn By	M.J.A.	Plans Checked	KOR
Approved	W.P. K... Chief Bridge Engineer		7-20-78 Date
GENERAL PLAN			SHEET 1 OF 17
PLAN			X6100



SECTIONS THRU WALKWAY



LIST OF DRAWINGS

1. GENERAL PLAN	X61100
2. GENERAL PLAN	X61101
3. SUBSURFACE EXPLANATION	X61102
4. EAST ABUTMENT	X61103
5. WEST ABUTMENT	X61104
6. PIERS 1, 2, 3, 4, 10, 11, 12, 13	X61105
7. PIERS 5 & 6	X61106
8. PIERS 6 & 7	X61107
9. SUPERSTRUCTURE EAST APPROACH	X61108
10. SUPERSTRUCTURE WEST APPROACH	X61109
11. FRAMING PLAN & DETAILS	X61110
12. SUPERSTRUCTURE WEST APPROACH	X61111
13. SUPERSTRUCTURE FULL OF SPANS	X61112
14. BEARING DETAILS	X61113
15. EXPANSION DEVICE AT PIERS 3 & 4	X61114
16. RAILING DETAILS	X61115
17. FENCING DETAILS	X61116

PROFILE GRADE LINE - PEDESTRIAN OVERPASS

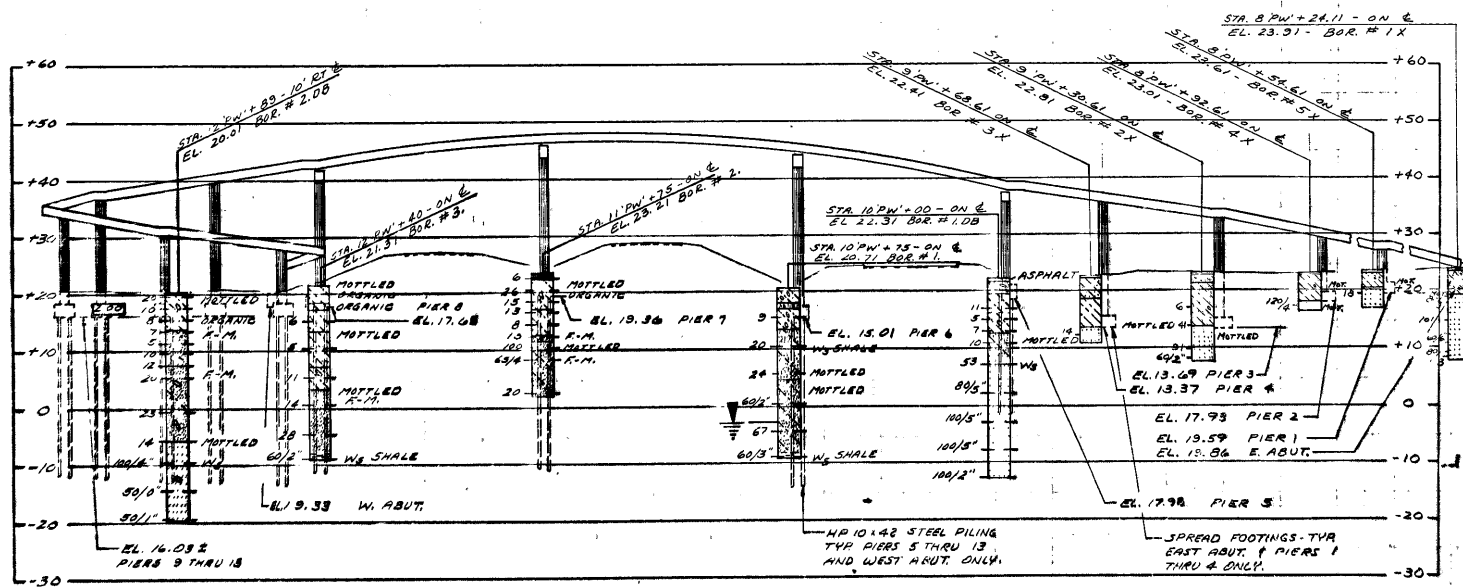
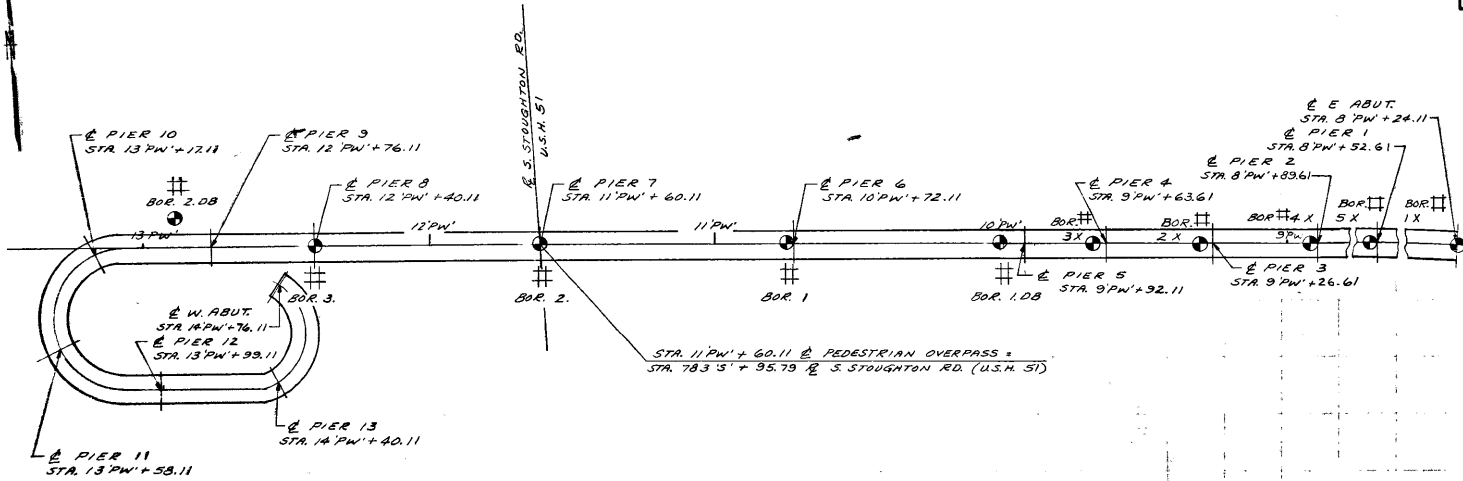
TOTAL ESTIMATED QUANTITIES

BID ITEMS	UNIT	SUPER	EAST RAMP	PIER 5	PIER 6	PIER 7	PIER 8	WEST RAMP	TOTAL
EXCAVATION FOR STRUCTURES	L.S.								1
CONCRETE MASONRY	C.Y.	50	134	21	29	30	24	171	459
HIGH STRENGTH BAR STEEL REINFORCEMENT	LBS	4,260	16,550	1,420	2,410	2,470	1,680	26,600	57,390
STRUCTURAL CARBON STEEL	LBS	29,700							29,700
STRUCTURAL LOW ALLOY STEEL	LBS	18,400							18,400
LUBRICATED BRONZE PLATE	LBS	53						152	53
SHEET ZINC	LBS		152						152
BEARING PADS	S.F.	9							9
STEEL PILING, DELIVERED AND DRIVEN	L.F.			80	120	180	120	720	1220
HP 10-INCH 42 POUND	L.F.								
CHAIN LINK FENCE, 10 FT.	L.F.	494							494
STEEL RAILING	L.S.								1
EXPANSION DEVICE	L.S.								1
NON-BID ITEMS									
FILLER	SIZE								1

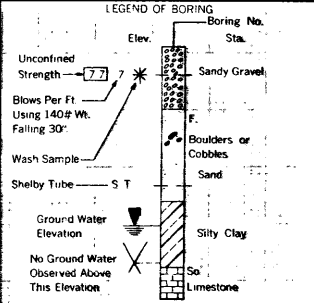
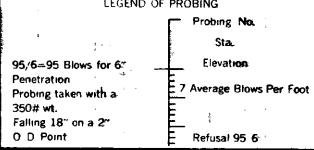
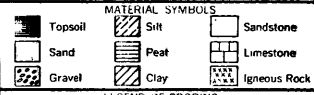
GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
 BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE NOTED OR SHOWN.
 ALL FIELD CONNECTIONS SHALL BE MADE WITH 3/4" DIA. FRICTION TYPE HIGH-TENSILE STRENGTH BOLTS UNLESS OTHERWISE SHOWN OR NOTED.
 THE EXISTING GROUNDLINE SHALL BE THE UPPER LIMITS OF EXCAVATION AT THE PIERS AND ABUTMENTS.
 CONCRETE APPROACH SIDEWALK IS NOT INCLUDED IN BRIDGE STRUCTURE CONTRACT.
 EAST AND WEST RAMP QUANTITIES INCLUDE ABUTMENTS PIERS AND CONCRETE SLAB SUPER.

No.	Date	Revision	By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-13-341			
Const. Spec.	1978	Drawn By	NJA
		Plans Checked	KOR
GENERAL PLAN			SHEET 2 OF 17
			X61101



ABBREVIATIONS
 F — Fine M — Medium C — Coarse
 Ws — Weathered So — Sound



Unless otherwise specified, the blows per foot at the locations indicated are based on driving a 2" O. D. x 1 1/4" D split spoon sampler with a 140# hammer having a free fall of 30". The blow count is taken in undisturbed soil immediately below a cased or open hole eliminating side friction on the drive pipe.

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

To obtain relative data concerning the character of material at any depth which the foundation might be built, borings and/or soundings were made at points approximately as indicated on this drawing. The data presented herein represents the findings of the subsurface explorations made. However, because the depths investigated are limited and the area of the borings and/or soundings is very small in relation to the entire area, the Division of Highways does not warrant conditions below the depths investigated or that the classification of material encountered in these investigations is necessarily typical of the entire site.

No.	Date	Revision	By

STATE OF WISCONSIN
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

STRUCTURE B-13-341

Const. No. 878 Drawn By: B. J. NJA Plans Checked: KGR

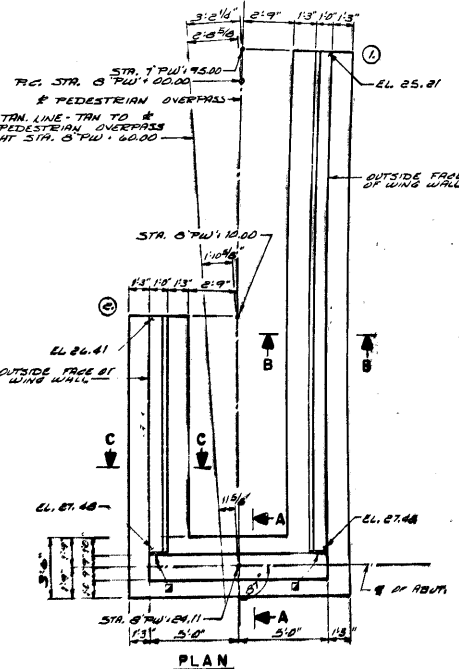
SUBSURFACE EXPLORATION

SHEET 3 OF 17
 X 61102

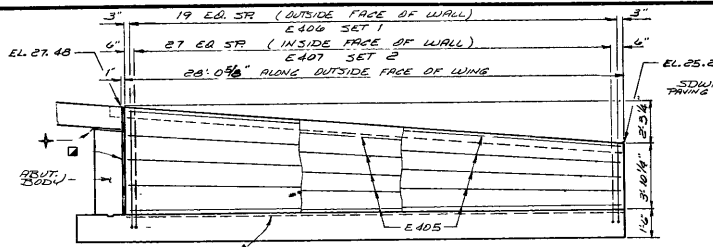


ELEVATION
(LOOKING EAST)

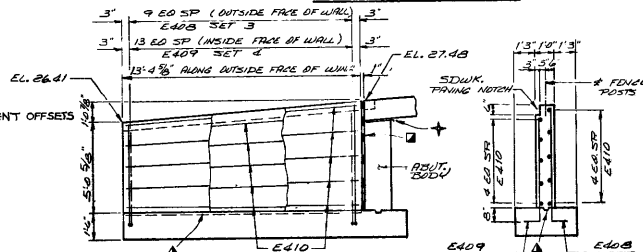
NOTE: FOR TANGENT OFFSETS SEE SHEET 9.



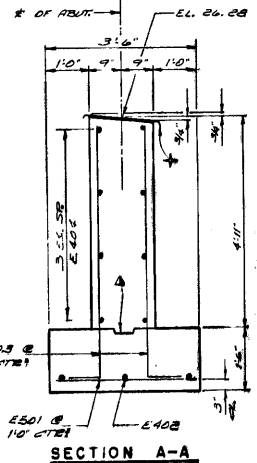
PLAN



ELEVATION WING 1

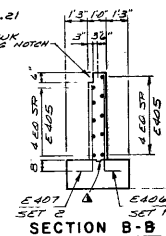


ELEVATION WING 2



SECTION A-A

+ 2"X 1/2" PLATE 24 GA. 1" WIDE X ABUT. WIDTH.



SECTION B-B

NOTES

- ▲ CONST. JOINT: FORMED BY SURFACED BEVELLED 2"x6" KEVLAR.
- 1" FILLER - EXTEND FROM FTG. TO TOP OF WING. (DO NOT BEND BAR BEHIND THESE FILLERS) SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1" FILLER WITH NON-STRAINING 2" STRIP OF 1/2" FILLER WITH NON-STRAINING JOINT SEALER. (1" DEEP & HOLD 1/2" BELOW SURFACE OF CONC.)
- SUPPORT ABUTMENT ON STEADY FOOTINGS, WITH A MIN. ALLOWABLE SOIL BEG. PRESSURE OF 2.75 T/30. FT. (4.55' FT.² A MIN. OF 6" AUTO SOUND ROCK)

BILL OF BARS

THE FIRST DIGIT OF THE BAR MARK SIGNIFIES THE BAR SIZE. REINFORCING DIM'S ARE OUT TO OUT OF BAR. BENT BARS IF USED IN CURTING DIAGRAM SHALL BE IDENT AFTER CUTTING.

MARK	NO.	REQD. LENGTH	NO. BARS	LOCATION
E501	13	3-0		BODY FTG.
E402	9	12-0		"
E403	20	6-6	X	VERT.
E404	8	9-8		HORIZ.
E405	10	27-9		WING 1
E406	10	12-1	X X	1
E407	14	11-1	X X	1
E408	5	13-4	X X	2
E409	7	12-5	X X	2
E410	10	13-0		HORIZ.

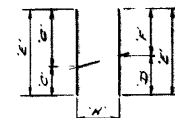
CUTTING DIAGRAM

N = NO. OF BARS REQD. BEFORE CUTTING.

MARK	SET NO.	C	D	E	F	G	N	SETS REQD.
E406	1	4-11	6-0	12-1	6-1	7-2	10	1
E407	2	4-5	5-6	11-1	5-7	6-8	14	1
E408	3	6-2	6-7	12-8	6-7	7-2	5	1
E409	4	5-8	6-2	12-5	6-3	6-7	7	1

CUT BUNDLE & MARK. MARK WITH BAR NO. & SET NO.

MARK & CUT ALL BARS ALONG THIS LINE. MAKE ALL CUTS NORMAL TO BAR AXIS.



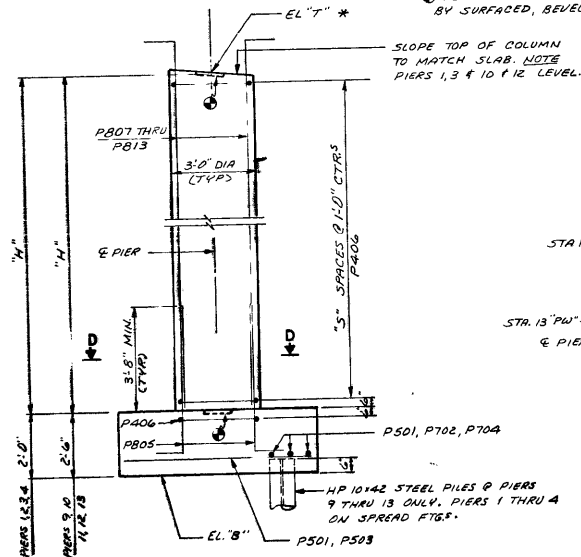
No.	Date	Revision	By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-13-341			
Comp. Date	1975	Drawn By	Checked
EAST ABUTMENT			SHEET 4 OF 17 X61103

* EL "T" ARE GIVEN AT TOP OF COL. AT E. OF PIER.
 * 1.3" x 1.3" x 12" CONST. JOINT, FORMED BY SURFACED, BEVELED KEYWAY.

BILL OF BARS
 THE FIRST DIGIT OF THE BAR MARK SIGNIFIES THE BAR SIZE.
 DIM. IN BENDING DETAILS ARE OUT TO OUT OF BAR. BARS LISTED ARE THE COMBINED TOTALS FOR PIERS 1, 2, 3, 4, 9, 10, 11, 12 & 13.

MARK	NO. REB'D	LENGTH	BENT	LOCATION
P501	49	6-6		FOOTING PIER 1, 2, 3, 4
P702	24	9-6		" " 2, 3, 4
P503	45	3-6		" " 9, 10, 11, 12, 13
P104	30	8-0		" " 9, 10, 11, 12, 13
P825	108	6-9	**	FOOTING OSJUELS
PA06	141	9-10	**	COLUMNS H30P5
P807	12	8-10	**	PIER 1 VERT.
P808	12	13-3	**	" " 2 "
P809	24	20-4	**	" " 3, 10 "
P810	24	23-5	**	" " 4, 9 "
P811	12	17-3	**	" " 11 "
P812	12	14-2	**	" " 12 "
P813	12	11-2	**	" " 13 "

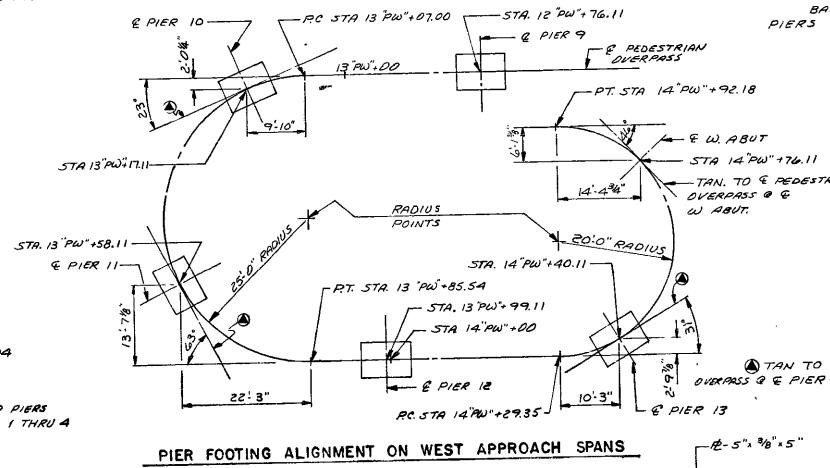
NOTE LABEL BARS WITH PIER NO. & BAR NO.



TYP. PIER ELEVATION
 LOOKING AT RADIUS POINT OF WALKWAY AT PIERS 10, 11, & 13.

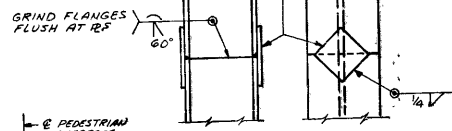
PIER NO.	EL "B"	EL "T"	DIM "H"	STA "S"
1	19.99	28.42	6'-10"	10
2	17.93	31.18	11'-3"	10
3	13.97	38.92	18'-3"	17
4	13.97	36.70	21'-4"	20
9	16.02	39.94	21'-5"	20
10	16.03	36.86	18'-4"	17
11	16.03	33.78	15'-9"	14
12	16.03	30.70	12'-2"	11
13	16.04	27.62	9'-1"	8

NOTE: PIERS 9 THRU 13 SUPPORTED BY HP 10-48 STEEL PILES DRIVEN TO A MIN. BRG. VALUE OF 55 TONS PER PILE, EST. 30'-0" LONG.

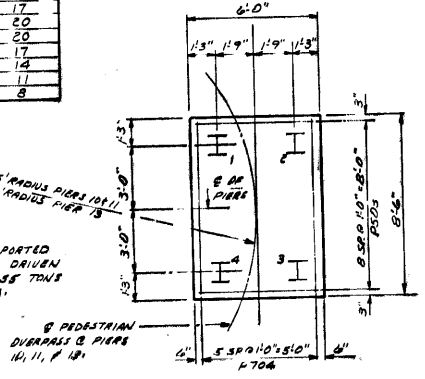


PIER FOOTING ALIGNMENT ON WEST APPROACH SPANS

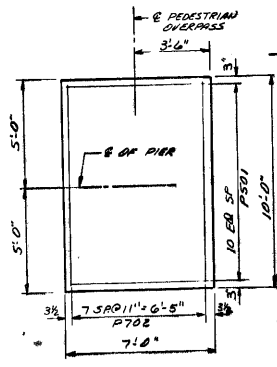
PEDESTRIAN OVERPASS @ PIERS 9 & 12 TAN. TO E PEDESTRIAN OVERPASS AT STA. 13'PW+17.11 @ PIER 10 STA. 13'PW+58.11 @ PIER 11 STA. 14'PW+40.11 @ PIER 13



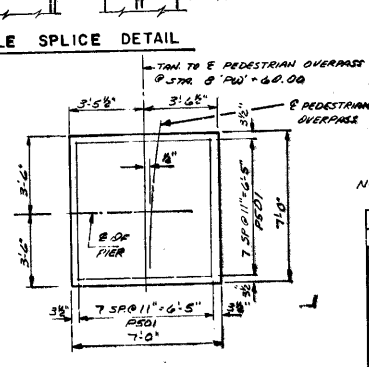
PILE SPLICE DETAIL



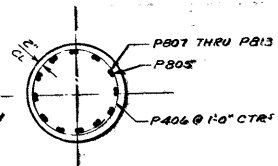
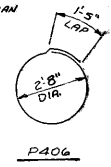
FOOTING DETAILS PIERS 9, 10, 11, 12, & 13



FOOTING DETAILS PIERS 2, 3 & 4

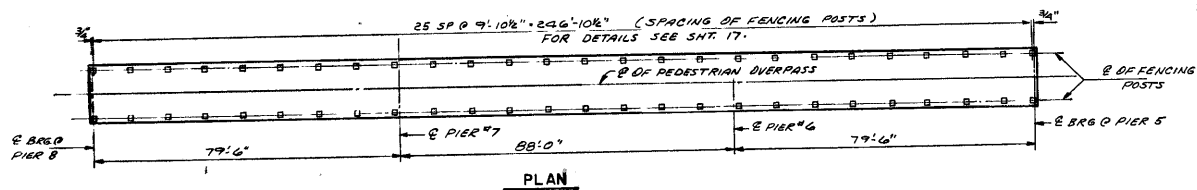
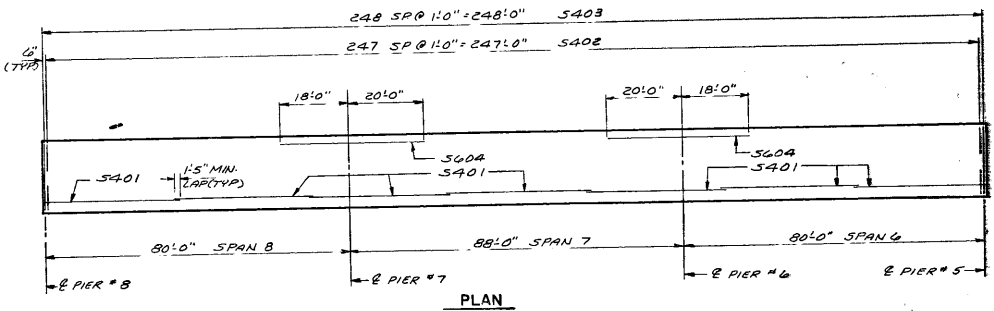
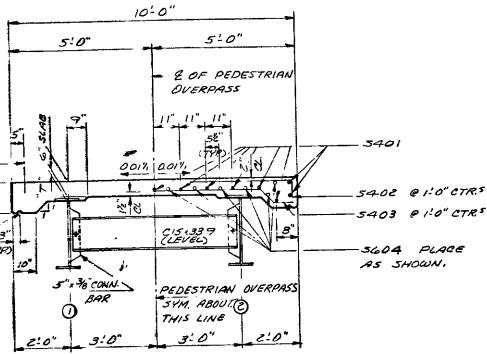


FOOTING DETAILS PIER 1



SECTION D-D
 NOTE ALL VERT BARS ARE EQUALLY SPACED.

Rev.	Date	Revision	By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-13-341			
Drawn by	Checked	Design	Scale
1979	NJA	KOR	
PIERS			SHEET 6 OF 17
1, 2, 3, 4, 9, 10, 11, 12, 13			X 61105



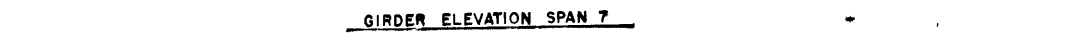
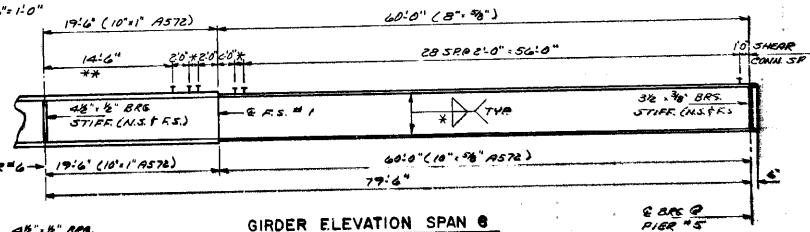
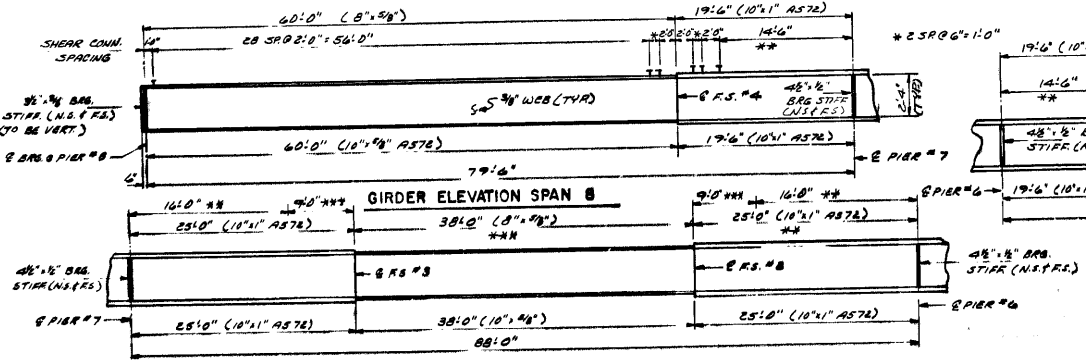
NOTE: END OF GIRDERS & BRG. STIFFS AT PIERS #5 & #8 TO BE VERTICAL.

** NO SHEAR CONN. IN THIS AREA. NO FIELD WELDING ON TOP FLANGE IN THIS AREA.

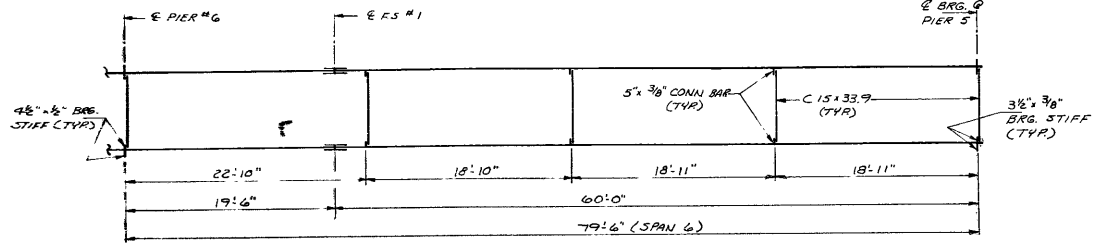
*** NO SHEAR CONN. IN THIS AREA. FIELD WELDING ON TOP FLANGE PERMITTED IN THIS AREA.

NOTE: TO DETERMINE "T": AFTER ALL STRUCTURAL STEEL HAS BEEN ERRECTED, ELEV. OF THE TOP FLG., OR TOP OF SPICE @, WHICHEVER APPLIES, SHALL BE TAKEN AT C. OF BRG. & OF FIELD SPLICES, & AT QUARTER PTS OF EACH SPAN WHICH ARE MORE THAN SIX FEET FROM A FIELD SPICE. THESE ELEV. SUBTRACTED FROM THE GRADE ELEV. ADJUSTED FOR DEADLOAD DEF. OF THE CONC. MINUS THE SLAB DEPTH, PLUS THE STEEL THICKNESS TO BOT. OF TOP FLG. EQUALS THE HAUNCH DEPTH "T".

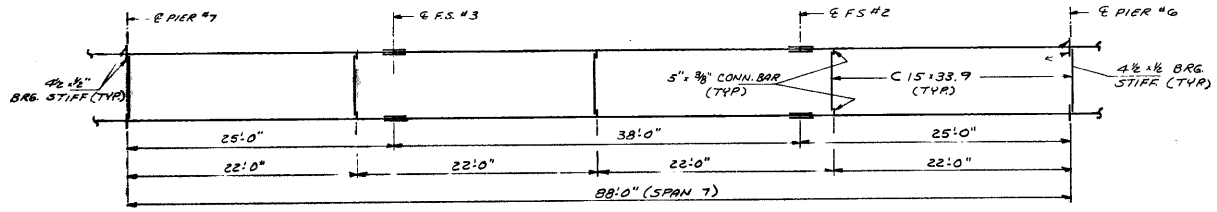
* NOTE FOR TABLE OF FILLET WELD SIZES SEE SMT. 14.



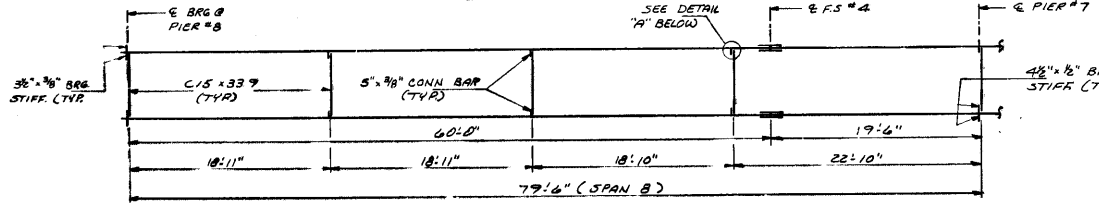
No.	Date	Revision	By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-13-341			
Drawn:	1978	Drawn By:	WJA
Checked:		Checked:	ROE
SUPERSTRUCTURE & GIRDER ELEV'S.			SHEET 10 OF 17 X 61109



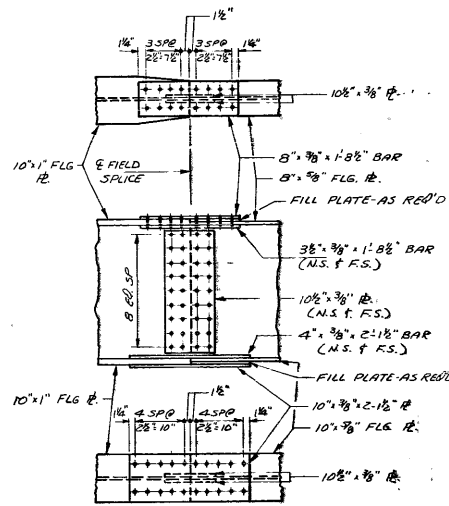
FRAMING PLAN SPAN 6



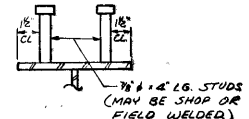
FRAMING PLAN SPAN 7



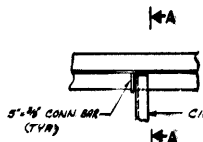
FRAMING PLAN SPAN 8



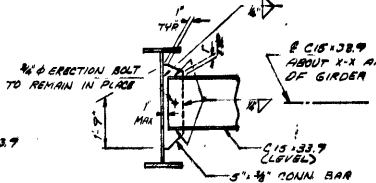
FIELD SPLICE DETAILS



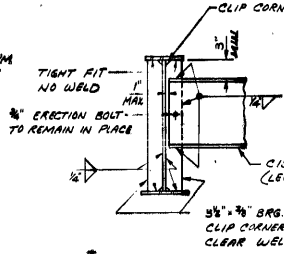
SHEAR CONNECTOR DETAILS



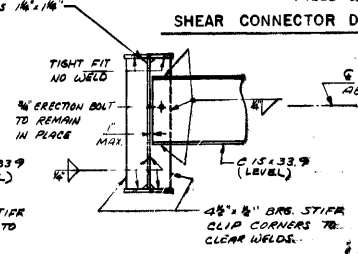
DETAIL "A"



SECTION A-A



DIAPH. AT PIERS 5 & 8



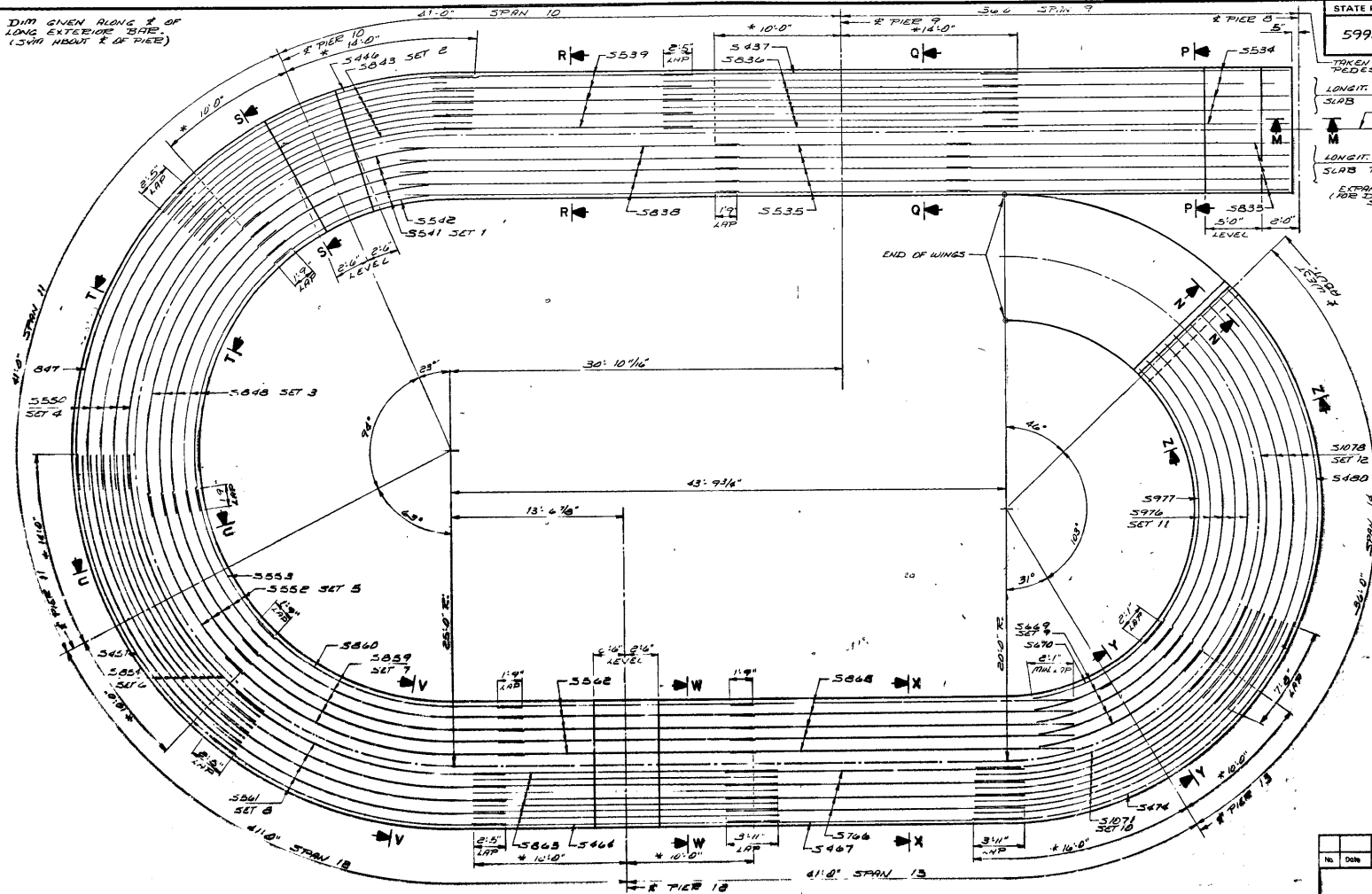
DIAPH. AT PIERS 6 & 7

No.	Date	Revision	By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-13-341			
Cost Sheet	1975	Drawn By	HJA
		Checked	KOR
FRAMING PLAN & DETAILS			SHEET 11 OF 17 X61110

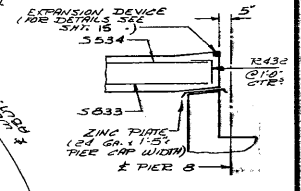
5992-2-26

7.11

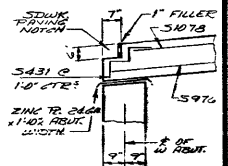
* DIM GIVEN ALONG \pm OF LONG EXTERIOR BATE. (3/4" ABOUT \pm OF PIECE)



TAKEN ALONG \pm OF PEDESTRIAN OVERPASS
 LONGIT. TOP SLAB REINF.
 LONGIT. BOT. SLAB REINF.



SECTION M-N



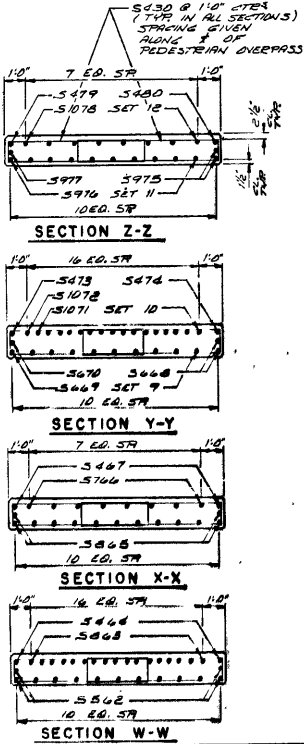
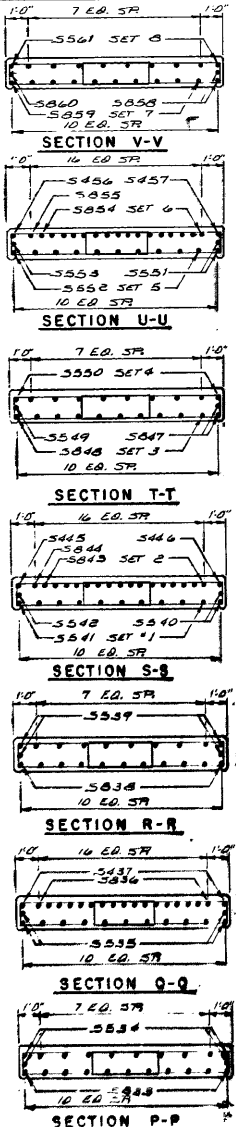
SECTION N-N

NOTE: SEE SHT. 13 FOR SECTIONS P-P THRU Z-Z.

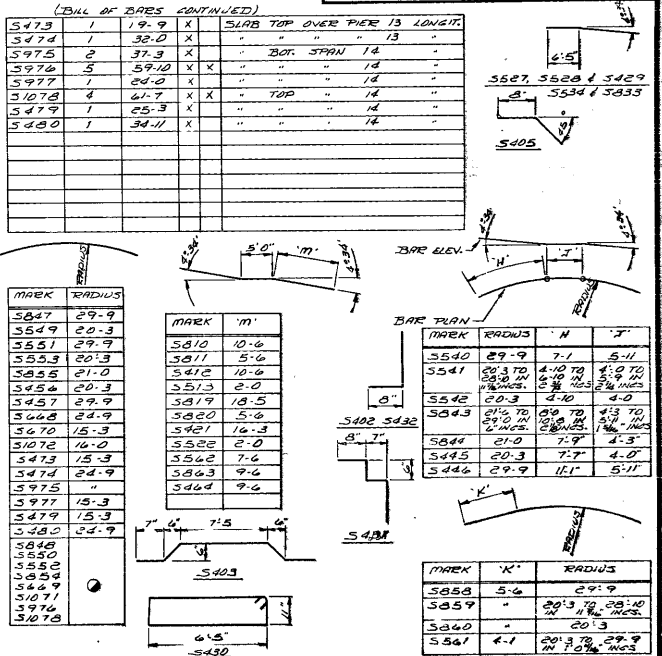
No.	Date	Revision	By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-13-341			
Drawn	1975	Design By	Plant
1975	Dawid		HOK
SUPERSTRUCTURE WEST APPROACH			SHEET 12 OF 17
			X6111

BILL OF MATERIALS

BENDING DATA ARE OUT TO OUT OF BARS.
 THE FIRST DIGIT OF A 3 DIGIT MARK IS THE FIRST 2
 DIGITS OF A 4 DIGIT MARK SIGNIFYING THE BAR SIZE
 BENT BARS IF USED IN CUTTING DIAGRAM
 SHALL BE BENT ARTISE CUTTING.



MARK	No. REBAR	LENGTH	BAR DIA	LOCATION
5401	105	36.9		SLAB SPANS 6, 7, 8 LONGIT.
5402	248	4.7	X	" " " " 6, 7, 8 TRANS.
5403	249	9.8	X	" " " " 6, 7, 8 TRANS.
5404	25	38.0	X	" " " " 6 PIERS 6, 7 LONGIT.
5405	12	17.7	X	" " " " " " 5, 6 B.
5406	4	5.6	X	" " " " " " 5, 6 B. TRANS.
5407	11	17.9	X	" " " " " " TOP SPAN 1 LONGIT.
5508	9	21.1	X	" " " " " " BOT. " 1
5509	10	26.8	X	" " " " " " " " 1
5510	9	21.0	X	" " " " " " TOP OVER PIER 1
5511	8	27.1	X	" " " " " " " " 1
5512	2	33.8	X	" " " " " " " " 1
5513	10	34.2	X	" " " " " " BOT. " 1
5514	9	26.1	X	" " " " " " " " SPAN 2
5515	17	29.0	X	" " " " " " TOP OVER PIER 2
5516	2	39.1	X	" " " " " " " " 2
5517	10	36.8	X	" " " " " " BOT. " 2
5518	9	26.1	X	" " " " " " " " SPAN 3
5519	9	27.0	X	" " " " " " TOP OVER PIER 3
5520	8	27.0	X	" " " " " " " " 3
5521	2	37.1	X	" " " " " " " " 3
5522	10	34.2	X	" " " " " " BOT. " 3
5523	9	26.1	X	" " " " " " " " SPAN 4
5524	8	27.0	X	" " " " " " TOP OVER PIER 4
5525	9	21.0	X	" " " " " " " " 4
5526	2	31.3	X	" " " " " " " " 4
5527	10	32.7	X	" " " " " " BOT. " 4
5528	9	26.5	X	" " " " " " " " SPAN 5
5529	11	16.10	X	" " " " " " TOP " 5
5530	808	15.3	X	" " STRENGTH DOUBLE TRANS.
5531	20	14.1	X	" " " " " " " " 1
5532	20	14.2	X	" " " " " " " " 1
5533	11	27.3	X	" " BOT. SPAN 9
5534	12	23.10	X	" " TOP " 9
5535	13	20.1	X	" " BOT. OVER PIER 9
5536	17	28.1	X	" " TOP " 9
5537	2	28.1	X	" " " " " " " " 9
5538	11	26.4	X	" " BOT. SPAN 10
5539	12	19.10	X	" " TOP " 10
5540	2	20.7	X	" " BOT. OVER PIER 10
5541	5	33.0	X	" " " " " " " " 10
5542	1	13.2	X	" " " " " " " " 10
5543	8	47.6	X	" " TOP " 10
5544	1	19.9	X	" " " " " " " " 10
5545	1	19.2	X	" " " " " " " " 10
5546	1	28.1	X	" " " " " " " " 10
5547	2	36.4	X	" " BOT. SPAN 11
5548	5	56.7	X	" " " " " " " " 11
5549	1	23.2	X	" " " " " " " " 11
5550	5	44.2	X	" " TOP " 11
5551	8	20.2	X	" " BOT. OVER PIER 11
5552	5	58.0	X	" " " " " " " " 11
5553	1	13.8	X	" " " " " " " " 11
5554	8	47.6	X	" " TOP " 11
5555	1	19.9	X	" " " " " " " " 11
5556	1	19.7	X	" " " " " " " " 11
5557	2	28.0	X	" " " " " " " " 11
5558	2	29.1	X	" " BOT. SPAN 12
5559	5	51.1	X	" " " " " " " " 12
5560	1	21.0	X	" " " " " " " " 12
5561	5	44.2	X	" " " " " " " " 12
5562	13	20.0	X	" " OVER PIER 12
5563	17	24.0	X	" " TOP " 12
5564	2	24.0	X	" " " " " " " " 12
5565	13	27.6	X	" " BOT. SPAN 13
5566	8	23.9	X	" " TOP " 13
5567	2	23.9	X	" " " " " " " " 13
5568	2	20.0	X	" " BOT. OVER PIER 13
5569	5	31.7	X	" " " " " " " " 13
5570	1	15.9	X	" " " " " " " " 13
5571	3	22.4	X	" " TOP " 13
5572	1	20.8	X	" " " " " " " " 13



CUTTING DIAGRAM
 (IF IS NO. OF BARS REQ'D, BEFORE CUTTING)

STATE OF WISCONSIN
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

STRUCTURE B-13-341

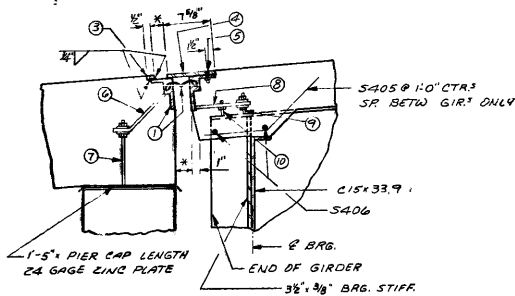
DATE: 1975 DRAWN BY: B.J.O. CHECKED BY: HOK

SUPERSTRUCTURE BILL OF BARS

SHEET 13 OF 17
 X61112

LEGEND

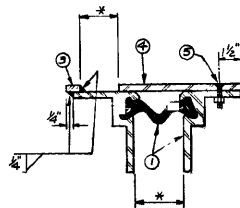
- ① ELASTOMERIC JOINT, STEEL EXTRUSIONS & NEOPRENE STRIP SEAL WABO-MAURER SC-300.
- ② $\frac{3}{8}$ " ϕ x $6\frac{3}{8}$ " STUDS AT 6" ALT. CTR'S. BEND STUDS INDICATED AFTER WELDING TO NO. 1.
- ③ BAR $\frac{3}{4}$ " x $\frac{3}{8}$ " WELD TO NO. 1 AS SHOWN.
- ④ PLATE $\frac{3}{8}$ " x $7\frac{3}{8}$ " x WIDTH OF WALKWAY.
- ⑤ COUNTER SINK $\frac{3}{16}$ " FLAT HEAD SCREWS. GREASE FOR FUTURE REMOVAL. PLACE AT 2" ϕ CTR'S. WELD NOT TO NO. 1. PROVIDE $\frac{3}{16}$ " HOLE IN NO. 1 & NO. 4 FOR SCREWS.
- ⑥ PLATE $\frac{3}{8}$ " x 7" WIDE WITH $\frac{1}{16}$ " ϕ HOLE FOR NO. 7. BEND & WELD TO NO. 1 @ 3" ϕ CTR'S.
- ⑦ $\frac{3}{8}$ " ϕ ROD x 7" LG. THREAD 4". PLACE AT 3" ϕ CTR'S. SET ON 24 GAGE ZINC PLATE.
- ⑧ FABRICATE SUPPORT FROM BAR 3 x $\frac{1}{2}$ " AS SHOWN, ONE PER GIRDER. WELD TO NO. 1. PROVIDE 12" ϕ HOLE FOR NO. 9 & 1" ϕ HOLE FOR NO. 10.
- ⑨ $\frac{3}{8}$ " ϕ SUPPORT ROD WITH 2 NUTS & 2 WASHERS. WELD ROD TO TOP FLG. OR ATTACH BY BOLTING THRU FLG.
- ⑩ $\frac{3}{8}$ " ϕ THREADED ROD WITH NUT. TACK WELD NUT TO NO. 8.



TYP SECTION THRU JOINT

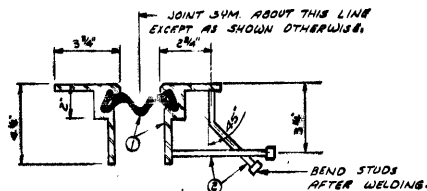
TEMP. **	PIER 5	PIER 8
90°	1 1/16"	1 1/16"
80°	1 1/16"	1 1/16"
70°	1 3/16"	2"
60°	1 4/16"	2"
50°	2 1/16"	2 1/16"
40°	2 3/16"	2 3/16"
30°	2 5/16"	2 5/16"

** TEMPERATURE IN DEGREES F. & SHADED UNDERSIDE OF DECK.

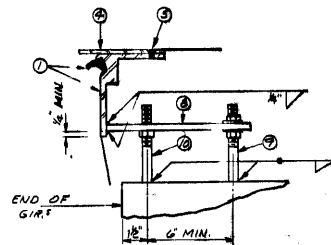
TYP SECTION THRU JOINT
(SHOWING COVER PLATES)

NOTES

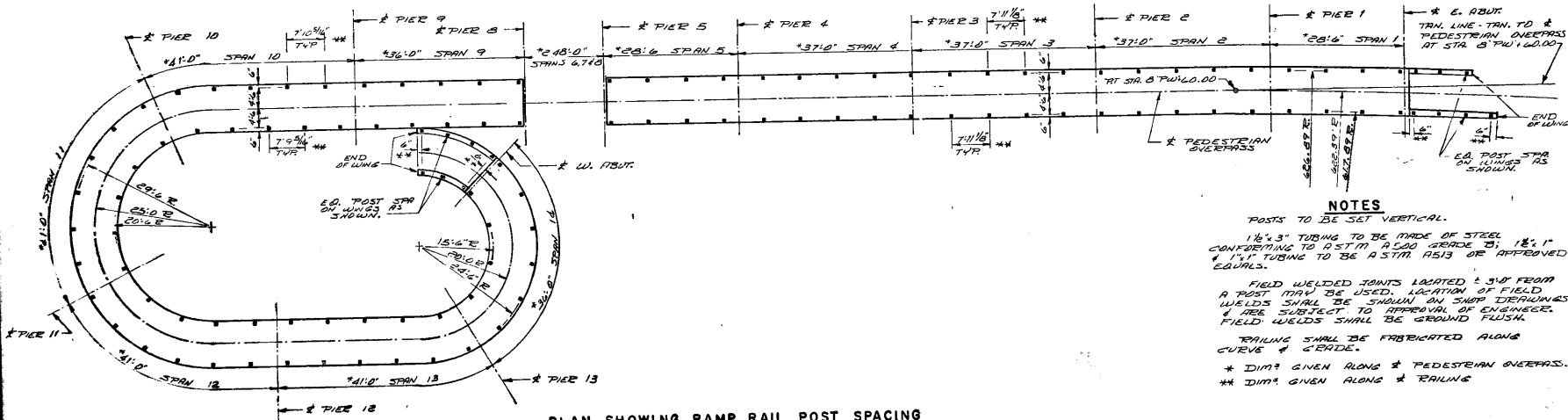
- ELASTOMERIC JOINT ASSEMBLY INCLUDING ANCHOR STUDS AND HARDWARE WILL BE PAID FOR AT THE LUMP SUM PRICE FOR "EXPANSION DEVICE".
- RODS NO. 7 & NO. 9 TO BE SUPPLIED WITH 2 NUTS AND 2 WASHERS EACH.
- JOINT SHALL BE BUILT TO CONFORM TO ROWY CROWN AND GRADE.
- JOINT SHALL EXTEND FROM EDGE TO EDGE OF WALKWAY.



NOTE: SAND-BLAST CLEAN STEEL EXTRUSIONS PRIOR TO COATING WITH LUBRICANT ADHESIVE FOR NEOPRENE SEAL.

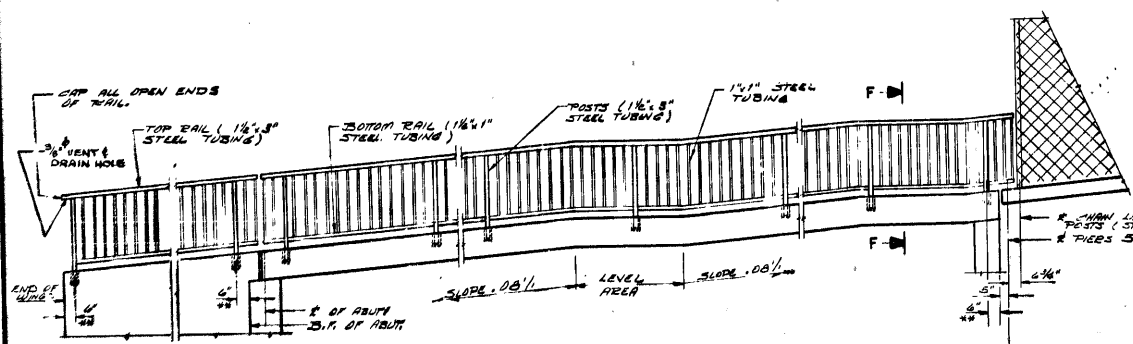
TYP SECTION THRU JOINT
(SHOWING STUDS)SEATING DETAILS
(TYPE G GIRDERS)

No.	Date	Revision	By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-13-341			
Cons. Spec. 1978	Drawn By: NJA	Plan. Checker: KGN	
EXPANSION DEVICE			SHEET 15 OF 17
AT PIERS 5 & 8.			X61114

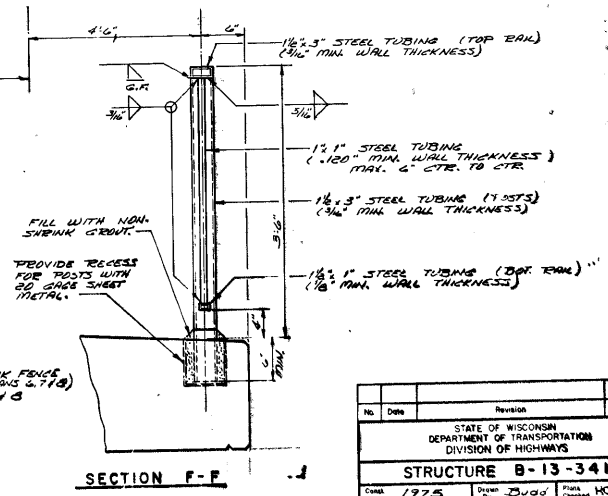


PLAN SHOWING RAMP RAIL POST SPACING

- NOTES**
- POSTS TO BE SET VERTICAL.
 - 1 1/2" x 3" TUBING TO BE MADE OF STEEL CONFORMING TO ASTM A 500 GRADE B; 1 1/2" x 1 1/2" TUBING TO BE A ST1M A513 OR APPROVED EQUALS.
 - FIELD WELDED JOINTS LOCATED 1/2' FROM A POST MAY BE USED. LOCATION OF FIELD WELDS SHALL BE SHOWN ON SHOP DRAWINGS & ARE SUBJECT TO APPROVAL OF ENGINEER. FIELD WELDS SHALL BE GRIND FLUSH.
 - RAILING SHALL BE FABRICATED ALONG CURVE @ GRADE.
 - * DIM'S GIVEN ALONG * PEDESTRIAN OVERPASS.
 - ** DIM'S GIVEN ALONG * RAILING

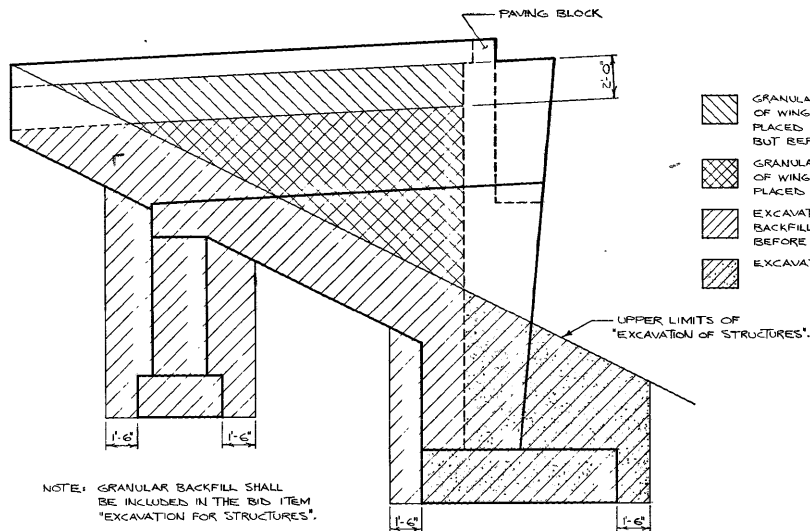






PART ELEVATION



SECTION F-F

No.	Date	Revision	By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-13-341			
Scale	1975	Drawn By	Checkd
		Budd	HOH
RAILING DETAILS			SHEET 16 OF 17
			X61115



-  GRANULAR BACKFILL BETWEEN INSIDE FACES OF WING WALLS. THIS MATERIAL SHALL BE PLACED AFTER SUPER CONCRETE IS POURED, BUT BEFORE PAVING BLOCK IS POURED.
-  GRANULAR BACKFILL BETWEEN INSIDE FACES OF WING WALLS. THIS MATERIAL SHALL BE PLACED BEFORE SUPER CONCRETE IS POURED.
-  EXCAVATION FOR STRUCTURES AND GRANULAR BACKFILL. THIS MATERIAL TO BE PLACED BEFORE GIRNERS.
-  EXCAVATION FOR STRUCTURES.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
 BAR STEEL REINFORCEMENT SHALL BE IMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.
 FILLER SHALL CONFORM TO A.A.S.H.T.O. DESIGNATION MISS, TYPE I, II OR III, OR M 213.
 LIMITS OF "EXCAVATION OF STRUCTURES" AND GRANULAR BACKFILL DETAIL SHOWN ON THIS SHEET.

TRAFFIC VOLUME

ADT (1978) _____ 4,250
 ADT (1998) _____ 6,540
 R.D.S. _____ 25MPH

DESIGN DATA

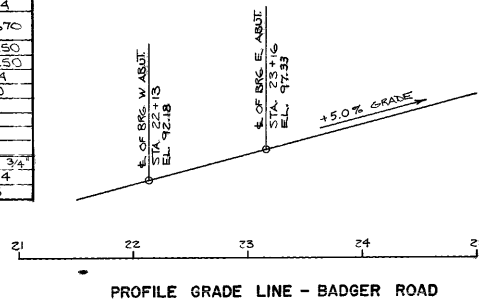
LIVELOAD:
 DESIGN RATING: _____ HS-20
 INVENTORY RATING: _____ HS-23
 OPERATIONAL RATING: _____ HS-76
 STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 P.S.F.
ALLOWABLE DESIGN STRESSES:
 CONCRETE MASONRY:
 SLAB _____ $f_c = 4,000$ P.S.I.
 ALL OTHER _____ $f_c = 3,500$ P.S.I.
 HIGH STRENGTH BAR STEEL REINFORCEMENT (GRADE 60) _____ $f_y = 60,000$ P.S.I.
 70" PRESTRESSED GIRDER:
 CONCRETE MASONRY _____ $f_c = 6,000$ P.S.I.
 STRANDS - 1/2" DIA. WITH ULTIMATE TENSILE STRENGTH OF _____ 270,000 P.S.I.

FOUNDATION DATA:

ABUTMENTS TO BE SUPPORTED ON SPREAD FOOTINGS
 ALLOWABLE ROCK BEARING PRESSURE OF 5 TONS/ SQ. FT.
 ABUTMENT WINGS SHALL BE SUPPORTED ON SPREAD FOOTINGS ALLOWABLE ROCK BEARING PRESSURE IS 2 1/2 T.S.F.

PAY LIMITS FOR EXCAVATION AND FILL**TOTAL ESTIMATED QUANTITIES**

BID ITEMS	UNIT	W ABUT.	E. ABUT.	SUPER	TOTAL
REMOVING OLD BRIDGE	L S				1
EXCAVATION FOR STRUCTURES B-13-306	L S				1
CONCRETE MASONRY	CY	167.2	131.2	175.6	474
PREFORMED ELASTOMERIC COMPRESSION JOINT SEAL	L F			50	50
PRESTRESSED GIRDER I TYPE, 70-INCH	L F			624	624
HIGH-STRENGTH BAR STEEL REINFORCEMENT	LBS	11,290	9,900	36,480	57,670
STRUCTURAL CARBON STEEL	LBS			2,250	2,250
STRUCTURAL LOW ALLOY STEEL	LBS			2,250	2,250
LUBRICATED BRONZE PLATES	LBS			114	114
BEARING PADS	S F			20	20
TUBULAR RAILING, TYPE 'H', B-13-306	L S				1
EXPANSION DEVICE	L S				1
NON-BID ITEMS					
FILLER	SIZE				1/2" & 3/4"
POLYVINYL CHLORIDE WATERSTOP	L F	6A	6S		134
ALUMINUM OR ZINC PLATE	S F			15	15



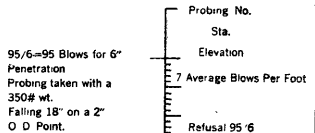
No.	Date	Revision	By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-13-306			
Cost Date	WIS. 1978	Drawn By	P.O.C.
Checked		Checked	L.N.F.
GENERAL PLAN			SHEET 2 OF 15 X61528

ABBREVIATIONS

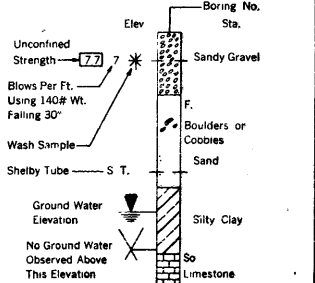
F — Fine	M — Medium	C — Coarse
Ws — Weathered	So — Sound	

MATERIAL SYMBOLS

LEGEND OF PROBING



LEGEND OF BORING

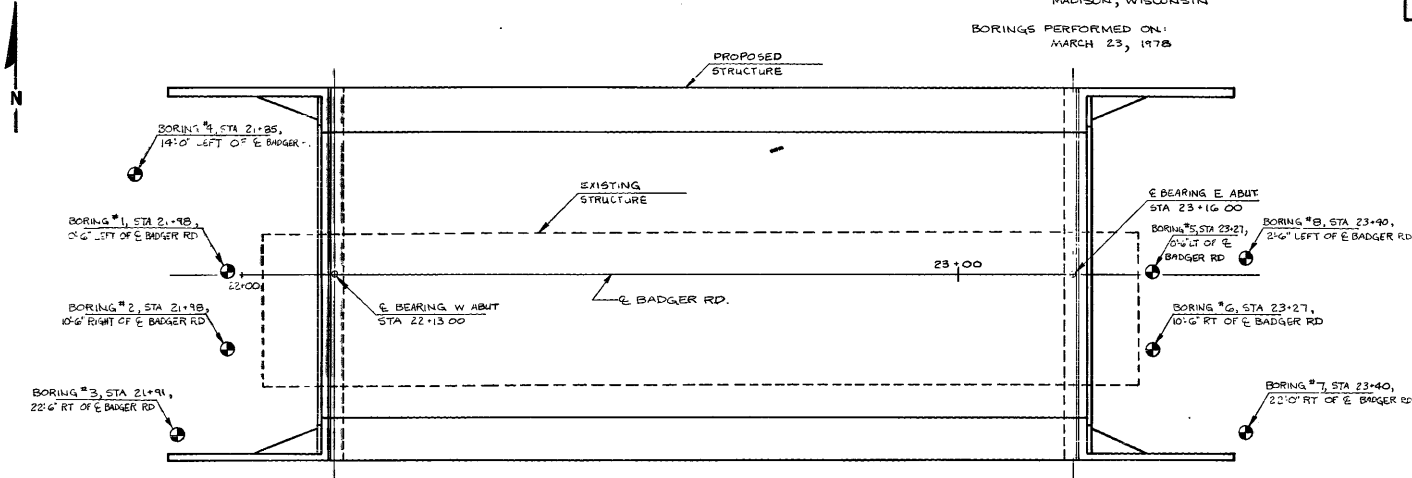


Unless otherwise specified, the blows per foot at the locations indicated are based on driving a 2" O. D. x 1.4" I. D. split spoon sampler with a 140# hammer having a free fall of 30". The blow count is taken in undisturbed soil immediately below a cased or open hole eliminating side friction on the drive pipe.

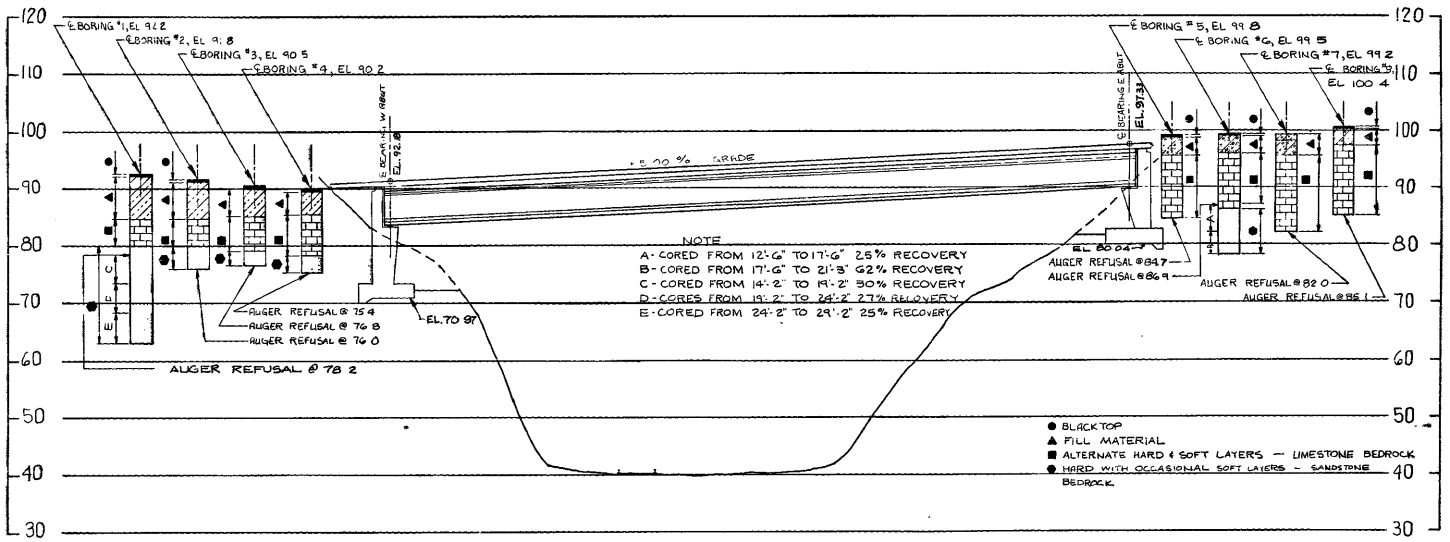
SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

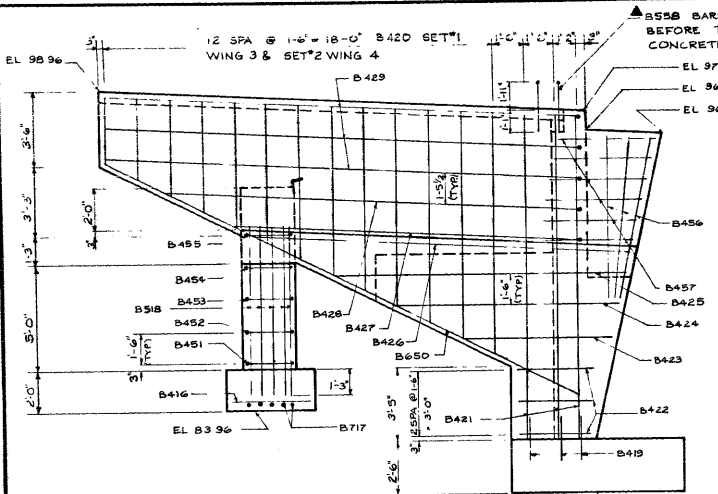
To obtain relative data concerning the character of material in and upon which the foundation might be built, borings and/or soundings were made at points approximately as indicated on this drawing. The data presented herein represents the findings of the subsurface explorations made. However, because the depths investigated are limited and the area of the borings and/or soundings is very small in relation to the entire area, the Division of Highways does not warrant conditions below the depths investigated or that the classification of material encountered in these investigations is necessarily typical of the entire site.

No.	Date	Revision	By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE 8-13-306			
Comp. Spec.	WIS '75	Drawn By	M. D. P.
Plans	Checked	L. N. E.	
SUBSURFACE EXPLORATION			SHEET 3 OF 15
			X 61529



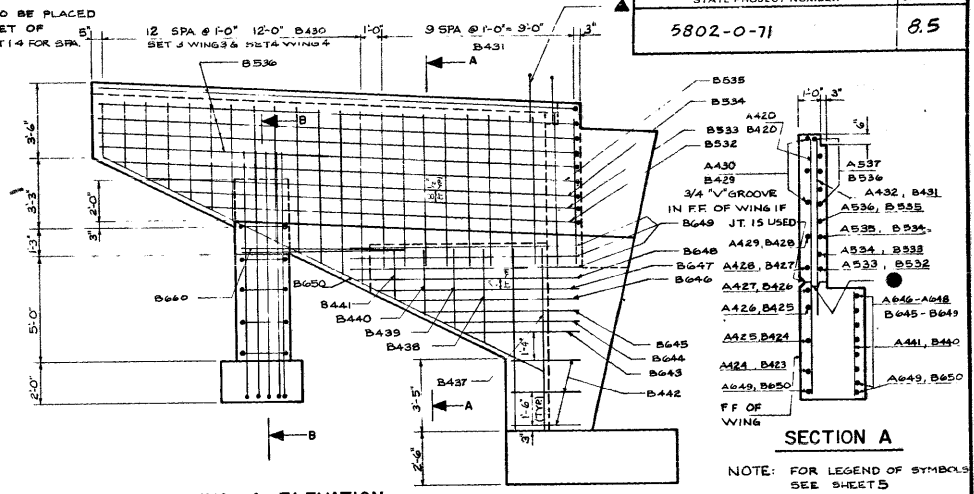
BORINGS 1, 3, 6 AND 8 WERE PERFORMED WITH A 6" CONTINUOUS FLIGHT AUGER AND SOILS WERE CLASSIFIED VISUALLY. BORINGS 2, 4, 5, AND 7 WERE PERFORMED WITH A STANDARD PENETRATION TEST EXPLAINED ON THIS SHEET.





WING 4 ELEVATION

FF BAR STEEL REINF.
(WING 3 TYPICAL)

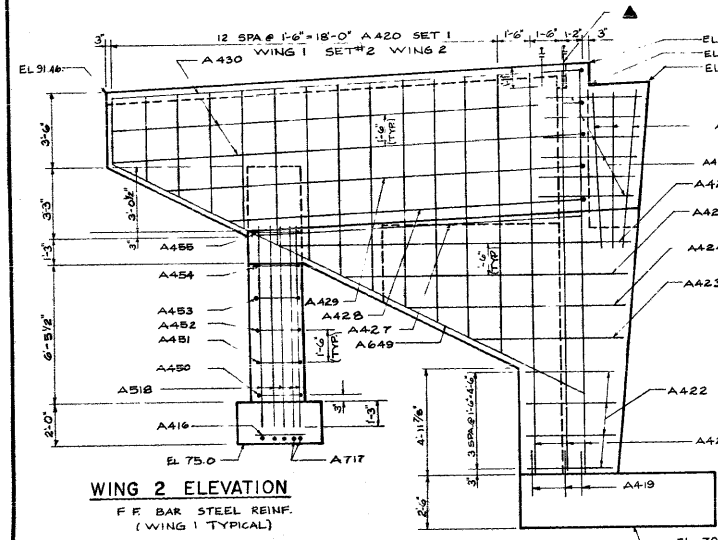


WING 4 ELEVATION

B.F. BAR STEEL REINF.
(WING 3 TYPICAL)

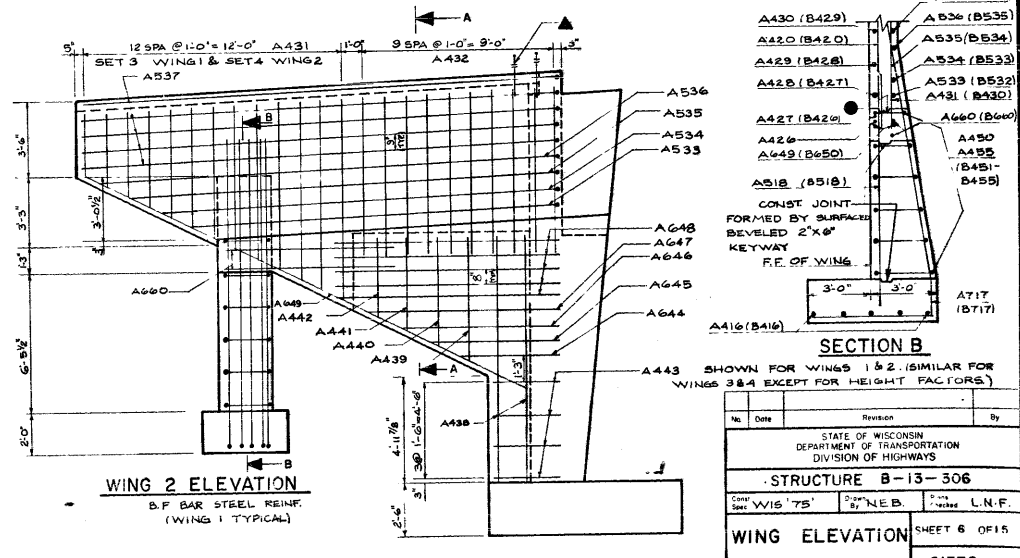
SECTION A

NOTE: FOR LEGEND OF SYMBOLS SEE SHEET 5



WING 2 ELEVATION

FF BAR STEEL REINF.
(WING 1 TYPICAL)



WING 2 ELEVATION

B.F. BAR STEEL REINF.
(WING 1 TYPICAL)

SECTION B

A443 SHOWN FOR WINGS 1 & 2. (SIMILAR FOR WINGS 3 & 4 EXCEPT FOR HEIGHT FACTORS)

No.	Date	Revision	By

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

STRUCTURE B-13-306

Cont. 'WIS '75' 2nd Ed. N.E.B. 3rd Ed. L.N.F.

WING ELEVATION SHEET 6 OF 15

61532

5802-0-71

86

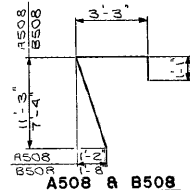
BILL OF BARS - WEST ABUT.

MARK	NO REQ'D	LENGTH	CUT DIAG	BENT	LOCATION	TOTAL 11,270 LBS
A401	52	5-3		X	FOOTING - KEYWAY	VERT
A432	52	3-6				TRANS
A403	29	27-1			BODY & BACKWALL	LONGIT
A404	29	25-8				
A505	52	4-7	X		- FF	VERT
A706	52	10-6	X		- BF	
A707	51	7-9	X			
A508	52	15-7	X		BODY	
A709	52	11-3				
A710	4	28-8				LONGIT
A	9	25-8				
A512	52	15-3	X		BACKWALL	VERT
A513	52	4-2	X		PAVING NOTCH	
A414	4	5-3			@ SDWK	LONGIT
A415	14	7-3				
A416	10	3-6			WING 1 & 2 - FOOTING	
A717	10	20-0	X			VERT.
A518	10	9-6				
A419	6	2-0				
A420	13	16-3	X		- FF - SETS #1 & #2	
A421	6	18-1				
A422	8	4-3				LONGIT
A423	2	7-0				
A424	2	10-2				
A425	2	13-3				
A426	2	16-5				
A427	2	7-10				
A428	2	18-0	X			
A429	2	20-8	X			
A430	6	23-2	X			
A431	13	12-2	X		- BF - SETS #3 & #4	VERT
A432	20	7-8				
A533	2	18-0	X			LONGIT
A534	2	19-4	X			
A535	2	20-8	X			
A536	2	22-1	X			
A537	10	22-11	X			
A438	4	11-7			- FILLET	VERT
A439	2	5-10				
A440	2	5-2				
A441	2	4-5				
A442	2	3-1				
A443	8	3-7				LONGIT
A444	2	5-6				
A645	2	7-0				
A646	2	8-5				
A647	2	9-11				
A648	10	11-6				
A649	4	24-8			- AT BOTTOM - BF & FF	
A450	2	10-0	X		COLUMN	
A451	2	9-6	X			
A452	2	9-0	X			
A453	2	8-6	X			
A454	2	8-0	X			
A455	2	7-6	X			
A456	6	7-7			- FF	VERT
A457	12	4-4				HORIZ
A558	54	6-3	X		- PARAPET	VERT
A454	12	22-2				LONGIT
A660	4	8-0			- BF	

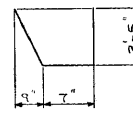
NOTE:
THE FIRST DIGIT OF THE BAR MARK SIGNIFIES THE BAR SIZE.
DIMENSIONS IN THE BAR BENDING DETAILS ARE OUT TO OUT OF BAR.

BILL OF BARS - EAST ABUT.

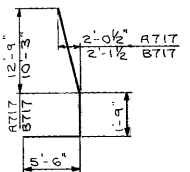
MARK	NO REQ'D	LENGTH	CUT DIAG	BENT	LOCATION	TOTAL 9,900 LBS
B401	52	5-3		X	FOOTING - KEYWAY	VERT
B702	52	7-6				TRANS
B403	25	27-1			BODY & BACKWALL	LONGIT
B404	25	25-8				
B505	52	4-7	X		- FF	VERT
B706	52	10-6	X		- BF	
B707	51	7-9	X			
B508	52	11-7	X		BODY	
B709	52	7-5				
B710	6	28-8				LONGIT
B711	6	25-8				
B512	52	15-3	X		BACKWALL	VERT
B513	52	4-2	X		PAVING NOTCH	
B414	4	5-3			@ SDWK	LONGIT
B415	14	7-3				
B416	10	3-6			WING 3 & 4 - FOOTING	
B717	10	17-7	X			VERT
B518	10	8-0				
B419	6	2-0				
B420	13	14-5	X		- FF - SETS #1 & #2	
B421	6	15-2				
B422	6	3-8				LONGIT
B423	2	7-1				
B424	2	10-5				
B425	2	13-9				
B426	2	18-1				
B427	2	17-7				
B428	2	20-8	X			
B429	2	23-2	X			
B430	13	10-11	X		- BF - SETS #3 & #4	VERT
B431	20	7-4				
B532	2	17-7	X			LONGIT
B533	2	19-1	X			
B534	2	20-8	X			
B535	2	22-3	X			
B536	10	22-11	X			
B437	4	8-7			- FILLET	VERT
B438	2	4-5				
B439	2	3-8				
B440	2	3-0				
B441	2	2-3				
B442	6	3-5				LONGIT
B643	2	5-7				
B644	2	6-8				
B645	2	7-9				
B646	2	8-10				
B647	2	9-11				
B648	2	11-0				
B649	4	11-6				
B550	4	24-8			- AT BOTTOM - BF & FF	
B451	2	10-0	X		COLUMN	
B452	2	9-6	X			
B453	2	8-10	X			
B454	2	8-2	X			
B455	2	7-8	X			
B456	6	7-7			- FF	VERT
B457	12	4-4				HORIZ
B458	54	6-3	X		- PARAPET	VERT
B459	12	22-2				LONGIT
B660	4	7-10			- BF	



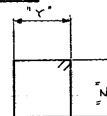
A508 & B508



A401 & B401



A717 & B717



A558 & B558

MARKS	X'
A505 & B505	10
A706 & B706	5
A707 & B707	1
A428 & B428	11
A429 & B429	11
A533 & B533	11
A534 & B534	11
A535 & B535	11
A536 & B536	11
A637 & B637	8

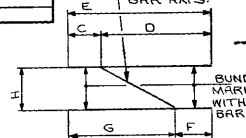
MARK	A'	B'
A512	1'-4"	7'-11"
A513	9"	7'-10"
B512	1'-4"	7'-11"
B513	9"	7'-10"

MARK	A'	B'
A430	2'-2"	2'-2"
A431	2'-2"	2'-4"
A432	2'-2"	2'-1"
A453	2'-2"	1'-10"
A454	2'-2"	1'-7"
A455	2'-2"	1'-4"
B451	2'-2"	2'-7"
B452	2'-2"	2'-4"
B453	2'-2"	2'-0"
B454	2'-2"	1'-8"
B455	2'-2"	1'-5"

MARK	C	D	E	F	G	H	SETS REQ'D
A420	SET 1	3'-2"		16'-3"	13'-1"	13	1 SET 2
	SET 2		13'-1"		3'-2"		1 SET 3
A431	SET 1	2'-9"		12'-2"	9'-5"	13	1 SET 4
	SET 2		9'-5"		2'-9"		1 SET 1
B420	SET 1	3'-2"		14'-5"	11'-3"	13	1 SET 2
	SET 2		11'-3"		3'-2"		1 SET 3
B430	SET 1	2'-9"		10'-11"	8'-2"	13	1 SET 4
	SET 2		8'-2"		2'-9"		

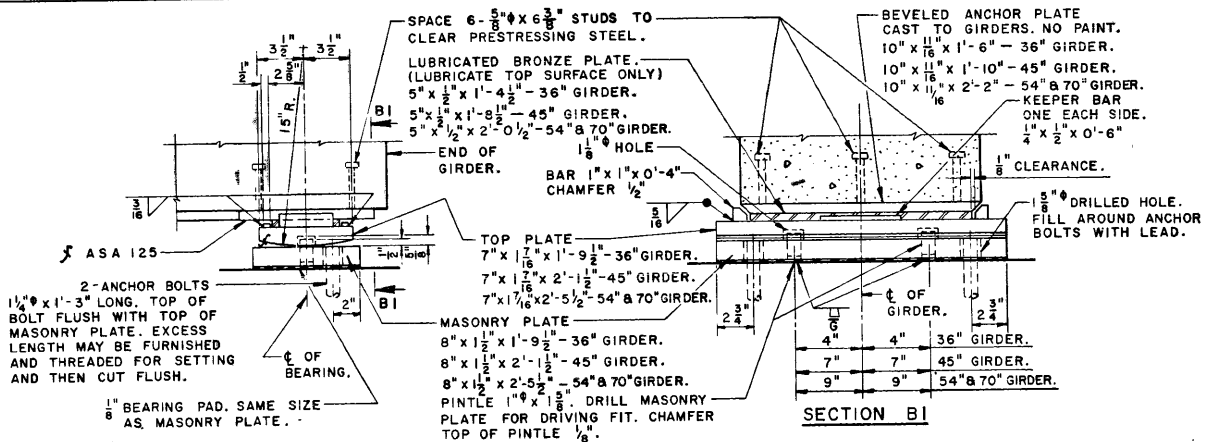
CUTTING DIAGRAM NOTE: "H" IS THE NUMBER OF BARS BEFORE CUT

MARK AND CUT ALL BARS ALONG THIS LINE. MAKE ALL CUTS NORMAL TO THE BAR AXIS.



BUNDLE AND MARK BARS WITH SET AND BAR NUMBERS.

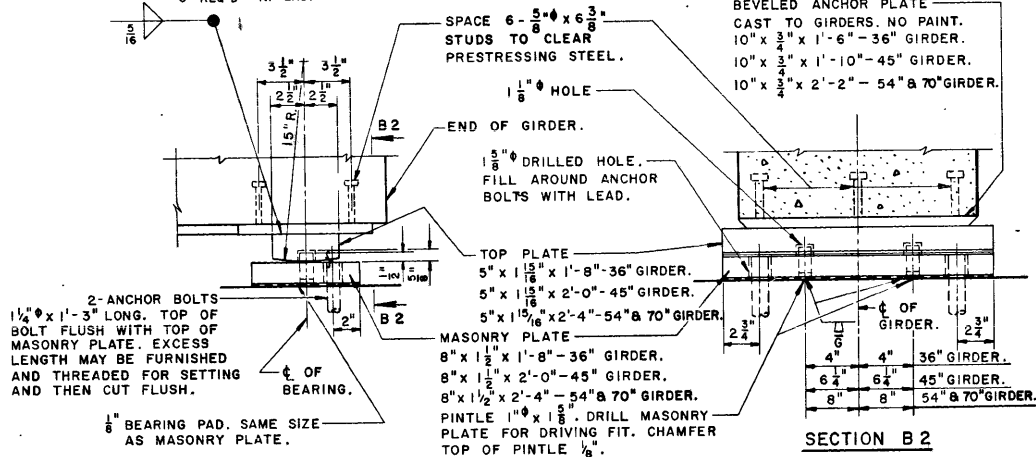
No.	Date	Revision	By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-13-306			
Cont. WIS. 75	Drawn by LNF	Plan Checked LNF	
BAR DETAILS			SHEET 7 OF 15
			X61533



USE BEARING DETAILS FOR 70" GIRDER.

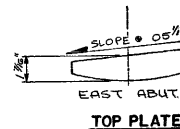
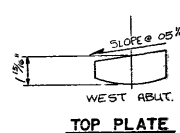
EXPANSION BEARING

6 REQ'D AT EAST ABUTMENT



FIXED BEARING

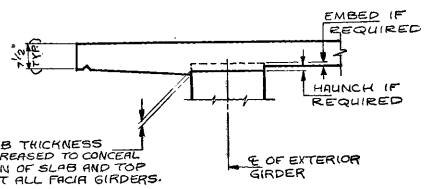
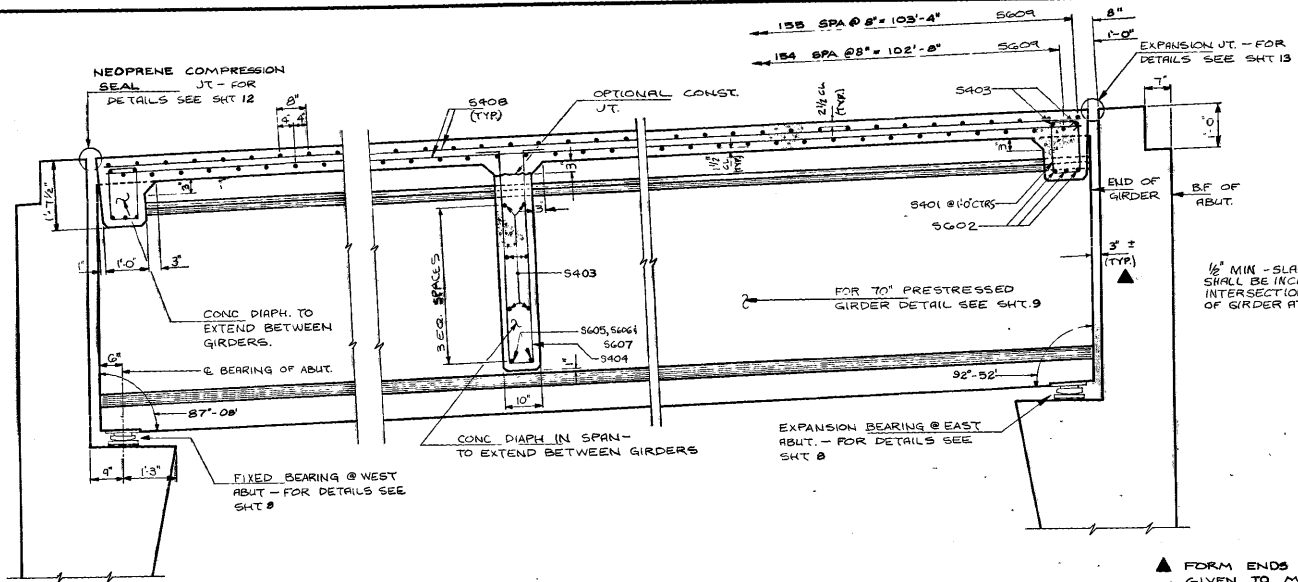
6 REQ'D AT WEST ABUTMENT.



BEARING NOTES

- ALL BEARING MATERIAL EXCLUDING PINTELES AND ANCHOR BOLTS SHALL CONFORM TO A.S.T.M. SPECIFICATION TYPE A588 STEEL.
- ALL BEARING MATERIAL EXCEPT BRONZE PLATES, BEARING PADS, AND ANCHOR PLATES SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STRUCTURAL LOW ALLOY STEEL".
- ALL STRUCTURAL STEEL BEARING PLATES SHALL BE FLAT ROLLED STEEL PLATES WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT, AND VERTICAL.
- ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS.
- ALL SURFACES MARKED χ SHALL BE MACHINED FINISHED.
- PINTELES & ANCHOR BOLTS SHALL CONFORM TO A.S.T.M. SPECIFICATION TYPES A449 & A36 RESPECTIVELY.

No.	Date	Revision	By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-13-306			
Drawn WIS	TS	By MJP	Checked LNF
GIRDER BEARING DETAILS		SHEET 8 OF 15 X 61534	



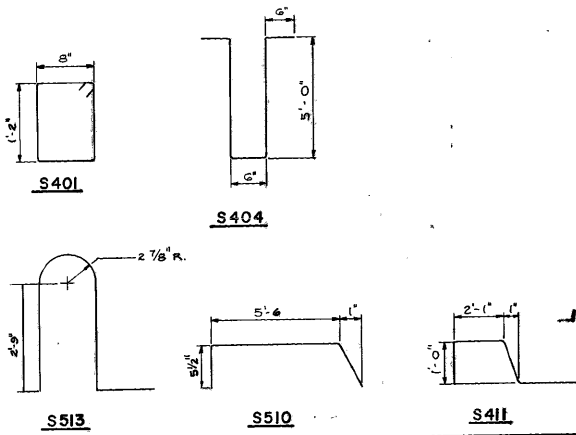
PART LONGITUDINAL SECTION
(LOOKING NORTH)

▲ FORM ENDS OF GIRDERS TO CONFORM TO ANGLES GIVEN TO MAINTAIN THIS DIMENSION.

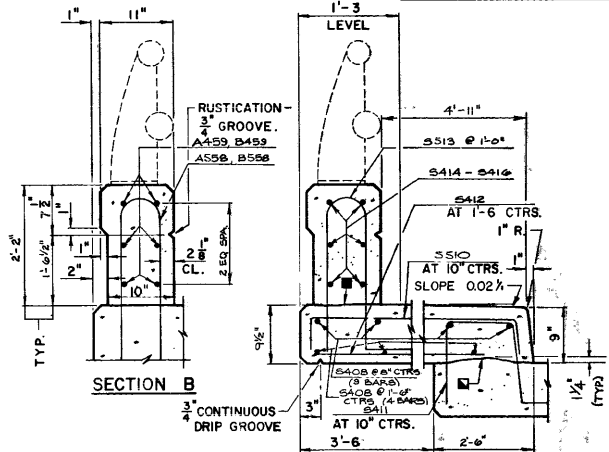
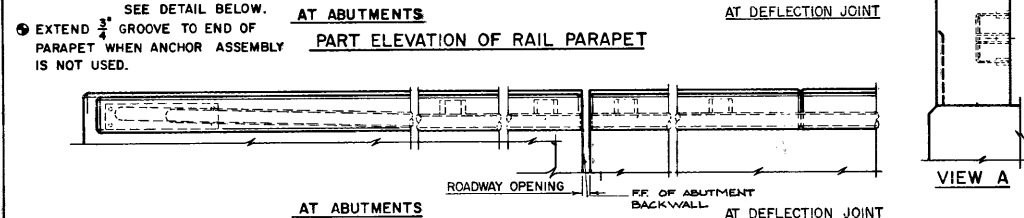
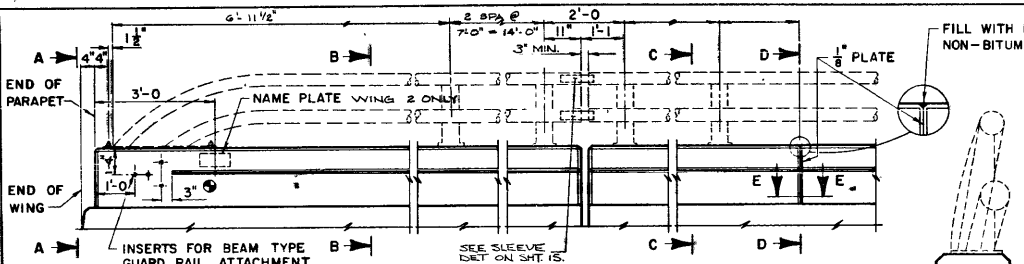
BILL OF BARS

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BAR.
THE FIRST DIGIT OF THE BAR MARK SIGNIFIES THE BAR SIZE.
* 5/16 IN. BAR - THREAD ONE END 3"

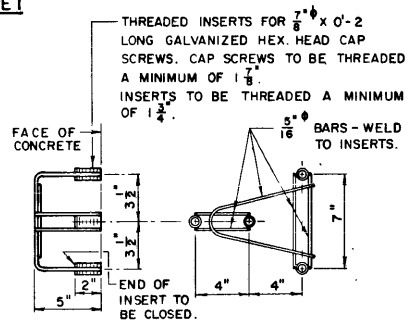
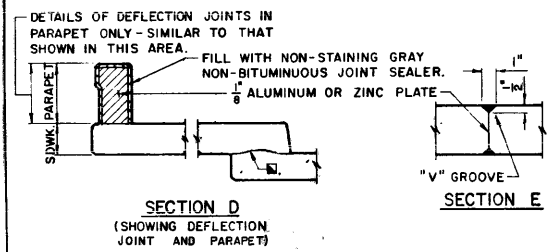
MARK	NO. REED	LENGTH	BENT	LOCATION	TOTAL 36,460 LBS.
S401	60	4-2	X	DIAPH @ ABUTS	STIRRUPS
S402	30	5-4		" @ "	TRANSV.
S403	80	5-4		" @ MIDSPAN	"
S404	60	11-2	X	" @ MIDSPAN	STIRRUPS
S405	20	7-5		" @ "	TRANSV.
S406	16	6-0		" @ "	"
S407	8	3-0		" @ EXT GIRDERS	"
S408	488	26-10		SLAB & SIDEWALK @ TOP & BOTTOM	LONGIT.
SS10	311	44-6		" @ "	TRANSV.
SS10	250	6-2	X	SIDEWALK	"
S411	250	5-2	X	" @ SLAB	"
S412	140	5-5		"	TRANSV.
SS13	208	7-5	X	PARAPET	VERT
S414	24	20-3		"	LONGIT.
S415	24	23-3		"	"
S416	12	15-5		"	"



No.	Date	Revision	By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE 8-13-306			
Case No.	W/6 '75	Drawn By	M.P.P.
Plan Checked	L.N.F.		
SUPERSTRUCTURE		X 61537	
SHEET 11 OF 15			

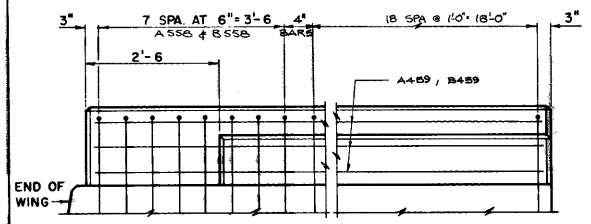


- CONST JOINT-STRIKE OFF AS SHOWN AND LEAVE ROUGH.
- OPTIONAL CONST JOINT - STRIKE OFF LEVEL & LEAVE ROUGH.



DETAIL OF ANCHOR ASSEMBLY FOR BEAM TYPE GUARD RAIL

ANCHOR ASSEMBLY SHALL BE PAID FOR AT THE UNIT PRICE BID FOR STRUCTURAL CARBON STEEL. CAP SCREWS ARE INCLUDED IN THIS BID ITEM.



VIEW SHOWING OUTSIDE FACE OF PARAPET & REINF.

PARAPET NOTES
 WHEN PARAPETS AND CURBS ARE POURED CONTINUOUSLY FROM END TO END, THEY SHALL BE SEPARATED AT THE DEFLECTION JOINTS BY A PIECE OF 1/2 ZINC OR ALUMINUM PLATE CUT AS SHOWN IN SECTION "D" BY SHADED AREA. IF CONSTRUCTION JOINTS IN PARAPETS AND CURBS ARE USED AT THE DEFLECTION JOINTS, ONE SIDE OF JOINT SHALL BE COATED WITH BITUMINOUS PAINT AND PLATE SEPARATORS MAY BE OMITTED.

No.	Date	Revision	By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-13-306			
Drawn By	Checked	Design	By
WIS 'TS'	NED		L.N.F.
VERTICAL FACE PARAPET "A"			SHEET 14 OF 15 X 61540

Attachment 4: Reindahl Barn pictures and Plans

1818 Portage Rd



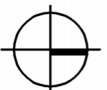
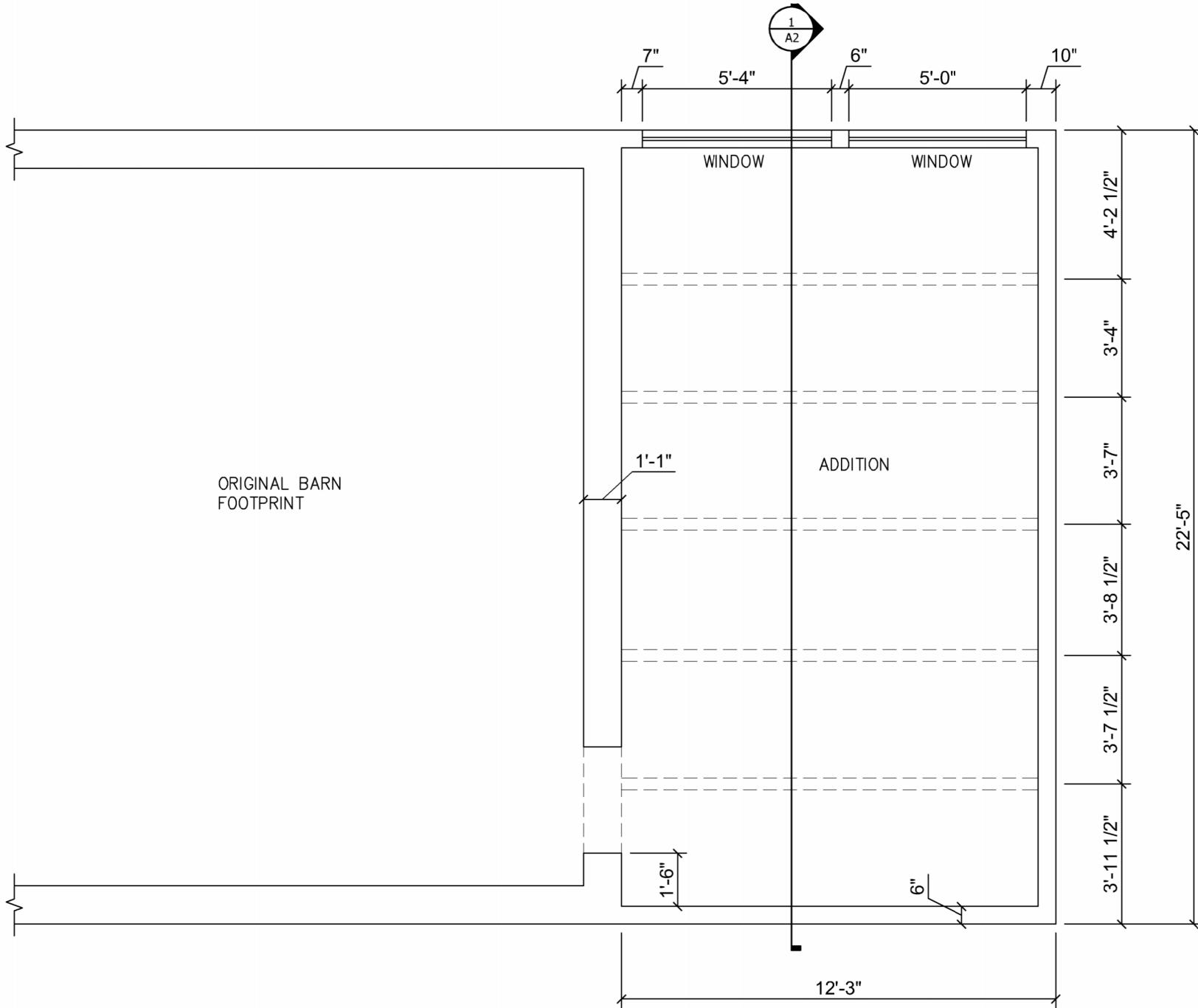


CITY OF MADISON
 DEPT. OF PUBLIC WORKS
 ENGINEERING DIVISION
 CITY COUNTY BLDG. RM. 115
 480 MADISON AVENUE
 MADISON, WISCONSIN 53703
 PHONE: 608-266-4751

REINDAHL PARK BARN

CONTRACT #XXXX
 MUNIS #XXXX
 DRWN BY: JPE
 DATE 03/07/2024
 REV: XX/XX/XX

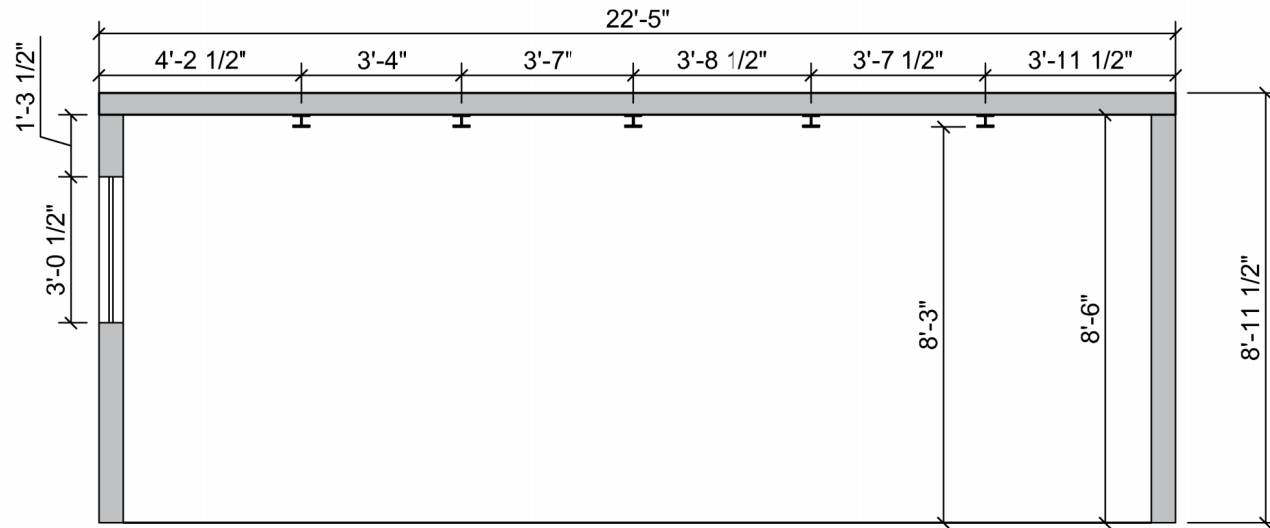
SHT
 A1



NORTH
 EXISTING ADDITION FLOOR PLAN
 SCALE: 1/4" = 1'-0"



CITY OF MADISON
 DEPT. OF PUBLIC WORKS
 ENGINEERING DIVISION
 CITY COUNTY BLDG. RM. 115
 210 MARTIN LUTHER KING, JR. BLVD.
 MADISON, WISCONSIN 53703
 PHONE: 608-266-1751



1
 A2 EXISTING ADDITION SECTION
 SCALE: 1/4" = 1'-0"

REINDAHL PARK BARN

CONTRACT
#XXXX
MUNIS
#XXXX
DRWN BY: JPE
DATE 03/07/2024
REV: XX/XX/XX

SHT

A2