DOCUMENT 00 90 00
ADDENDUM

ADDENDUM: 2

DATE: MARCH 16, 2026

PROJECT: WESTERN TECHNICAL COLLEGE
SPARTA PUBLIC SAFETY TRAINING SIM CITY
11177 COUNTY HWY 1
SPARTA, WISCONSIN 54656
PROJECT NO. 25039

FROM: HSR Associates, Inc
100 Milwaukee Street
La Crosse, WI 54603
(608) 784-1830

TO: Prospective Bidders

This addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated FEBRUARY 2026. Acknowledge receipt of this Addendum in the space provided on the bid form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of: 5 PAGES, 3 DOCUMENTS, 5 SECTIONS, and 18 DRAWINGS.

PRE-BID MEETING SIGN IN SHEET:

1. See sign in document for meeting dated March 11, 2026

CHANGES TO INTRODUCTORY INFORMATION AND BIDDING REQUIREMENTS:

2. Document 00 01 10 Table of Contents
   a. See the revised document included in this addendum. Disregard the previous version.
   b. Corrected the document number in the footer.
   c. Added section 32 13 75 Pavement Joint Sealants.
3. Document 00 30 00 Information Available to Bidders
   a. See the new document included in this addendum.
   b. Document includes soil testing information.

CHANGES TO GENERAL REQUIREMENTS:

4. Section 01 30 00 Administrative Requirements
   a. See the revised section included in this addendum. Disregard the previous version.
   b. The first page of this section was omitted in the original set of bidding documents. This addendum includes the entire section.

CHANGES TO SPECIFICATIONS:

5. Section 07 41 13 Metal Roof Panels
    a. See the narrative, immediately below, describing revisions to the section.
    b. Revised section with changes throughout. Notable changes include: manufacturer list, steel sheet metal material, and batten seam roofing.
6. Section 07 42 13 Metal Wall Panels
    a. See the narrative, immediately below, describing revisions to the section.
    b. Revised section with changes throughout. Notable changes include: manufacturer list, and steel sheet metal material.
7. Section 32 13 75 Pavement Joint Sealants
    a. See the new section included in this addendum.
8. Section 33 11 00 Water Distribution
    a. See the revised section included in this addendum. Disregard the previous version.
    b. Added new paragraph 2.04 Hydrants.

CHANGES TO DRAWINGS

9. Sheet G000 COVER SHEET 30"x42"
    a. See the revised sheet included in this addendum. Disregard the previous version.
    b. Revised titles for civil sheets C100 & C101.
10. Sheet C100 DEMOLITION PLAN - SOUTH 30"x42"
    a. See the revised sheet included in this addendum. Disregard the previous version.
    b. Revised Keynote #8.
    c. Revised extents of keynote #20 regarding storm pipe..
    d. Revised sheet title.
11. Sheet C101 DEMOLITION PLAN - NORTH 30"x42"
    a. See the revised sheet included in this addendum. Disregard the previous version.
    b. Revised Keynote #8.
    c. Revised sheet title.
12. Sheet C200 LAYOUT PLAN - SOUTH 30"x42"
    a. See the revised sheet included in this addendum. Disregard the previous version.
    b. Added General Note #13.
    c. Added Keynote #13, regarding bollards at Commercial Building B.
    d. Revised Layout at Commercial Building B.

13. Sheet C201 LAYOUT PLAN - NORTH 30"x42"
    a. See the revised sheet included in this addendum. Disregard the previous version.
    b. Added General Note #13.
    c. Added Keynote #13.
14. Sheet C300 GRADING PLAN - SOUTH 30"x42"
    a. See the revised sheet included in this addendum. Disregard the previous version.
    b. Added detail reference to “Proposed Rip Rap Area”.
    c. Revised invert elevation of endwall in roundabout green space.
    d. Revised grading within alternate #3 paving area.
    e. Revised grading within “Sim City” paved areas, building finish floors, and green space areas. The intent is to maintain elevation of the northern pavement edge in the event alternate #3 is not accepted. The new Sim City roadway pavement can match into the existing pavement elevation.
15. Sheet C301 GRADING PLAN - NORTH 30"x42"
    a. See the revised sheet included in this addendum. Disregard the previous version.
    b. Added detail reference to “Proposed Rip Rap Area”.
    c. Added Detail 1/C301.
16. Sheet C400 EROSION CONTROL PLAN – SOUTH 30"x42"
    a. See the revised sheet included in this addendum. Disregard the previous version.
    b. Added detail reference to “Rip Rap Area” in the Erosion Control Legend.
    c. Revised silt fence location on south and west side of alternate #3 paved area.
    d. Added silt fence to east side of alternate #3 paved area.
    e. Added erosion control blanket to northeast corner of alternate #3 paved area.
    f. Revised erosion blanket within green space lot (northwest).
    g. Revised erosion blanket within green space lot (southeast).
    h. Revised erosion blanket and silt fence locations east of ponds 9P and 5P.
    i. Revised location of rip rap overflow weir in pond 8P.
17. Sheet C401 EROSION CONTROL PLAN - NORTH 30"x42"
    a. See the revised sheet included in this addendum. Disregard the previous version.
    b. Added detail reference to “Rip Rap Area” in the Erosion Control Legend.

18. Sheet C500 UTILITY PLAN - SOUTH 30"x42"
    a. See the revised sheet included in this addendum. Disregard the previous version.
    b. Revised Storm Manhole Schedule
    c. Added (3) 18” HDPE Culvert and remove (1) 15” HDPE Culvert on the north side of the Sim City.
    d. Added (1) 12” HDPE Culvert on the southeast side of the Sim City.
    e. Added: 6” Valve to watermain.
    f. Added pipe to 6” storm drain.
19. Sheet C501 UTILITY PLAN - NORTH 30"x42"
    a. See the revised sheet included in this addendum. Disregard the previous version.
    b. Added Detail reference to “Proposed Rip Rap Area”
    c. Revised Storm Manhole Schedule
    d. Added 6” Valve to watermain.
20. Sheet A100 OVERALL PLAN 30"x42"
    a. See the revised sheet included in this addendum. Disregard the previous version.
    b. Revised the location of the sectional door on commercial building B.
    c. Relocate associated items such as exterior lighting and bollards.
21. Sheet A101 FLOOR PLANS – RESIDENTIAL BUILDINGS 30"x42"
    a. See the revised sheet included in this addendum. Disregard the previous version.
    b. Revised Plan General Note E to specify installation requirements for non-functional plumbing fixtures.
22. Sheet A102 FLOOR PLANS – COMMERCIAL BUILDINGS 30"x42"
    a. See the revised sheet included in this addendum. Disregard the previous version.
    b. Revised Plan General Note E to specify installation requirements for non-functional plumbing fixtures.
    c. Revised the location of the overhead door on commercial building B.
    d. Relocate associated items such as exterior lighting and bollards.
23. Sheet A201 COMMERCIAL BUILDING ELEVATIONS 30"x42"
    a. See the revised sheet included in this addendum. Disregard the previous version.
    b. Added notes on elevations 1 & 2 regarding the location of the sectional door at commercial building B.
    c. Relocate associated items such as exterior lighting and bollards.
24. Sheet E001 ELECTRICAL SITE PLANS 30"x42"
    a. See the revised sheet included in this addendum. Disregard the previous version.
    b. Added requirements for handholes.
    c. Revised requirements for conduits.

25. Sheet E100 LIGHTING PLANS 30"x42"
    a. See the revised sheet included in this addendum. Disregard the previous version.
    b. Added detail 4/E100 regarding Commercial Building B.
26. Sheet E700 ELECTRICAL RISER 30"x42"
    a. See the revised sheet included in this addendum. Disregard the previous version.
    b. Revised Feeder Schedule and Riser Diagram.

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ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
HSR Associates
Celebrating 70 Years of Innovative Design

Pre-Bid Meeting Sign-In Sheet

March 11, 2026

PROJECT: **WESTERN TECHNICAL COLLEGE**
SPARTA PUBLIC SAFETY TRAINING SIM CITY
11177 COUNTY HWY A
SPARTA, WI 54656
HSR PROJECT NO. 25039

BID OPENING: 2:00 PM, March 24, 2026

Name	Company	
1. Tyler Richlang	Fowler & Hammer	bids@fowlerhammer.com
2. Colton Pahnke	Hoeft Builders	CPahnke@hoefftbuilders.com
3. Gabe Martin	Hoeft Builders	gmartin@hoefft builders.com
4. Justin Pahnke	Olympic Builders	office@olympicbuildersgc.com
5. Vince Pothamus	WB	Bids@Wieser brothers.com
6. Gene McCurdy	WTC	
7. Sam Furtak	Market + Johnson	bidding@market-johnson.com
8. Dan St Peter	PDI3	Dan SC fob INC.com
9. Kevin Dean	Western	deank@westerntc.edu
10. Michelle Maland	HSR	mmaland@hsrassociates.com
11.		
12.		
13.		
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18.		
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DOCUMENT 00 01 10
TABLE OF CONTENTS

General Requirements

Division 1 – General Requirements

Facility Construction

Section **Title**

Division 2 – Existing Conditions [Not Used]

Division 3 – Concrete

Division 4 – Masonry [Not Used]

Division 5 – Metals

Division 6 – Wood, Plastics and Composites

Division 7 – Thermal and Moisture Protection

Division 8 – Openings

Division 9 – Finishes

Division 10 – Specialties

Division 11 – Equipment [Not Used]

Division 12 – Furnishings

Division 13 – Special Construction [Not Used]

Division 14 – Conveying Equipment [Not Used]

Facility Services

Division 21 – Fire Suppression: [Not Used]

Division 22 – Plumbing: [Not Used]

Division 23 – HVAC: [Not Used]

Division 26 – Electrical: [See Table of Contents at the start of Division 26]

Division 27 – Communications: [Not Used]

Division 28 – Electronic Safety and Security: [Not Used]

Site and Infrastructure

Division 31 – Earthwork

Division 32 – Exterior Improvements

Division 33 – Utilities

END OF DOCUMENT 00 01 10

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DOCUMENT 00 30 00
INFORMATION AVAILABLE TO BIDDERS

The following documents contain information about existing conditions which are pertinent to the Work of this Project and are available for the general information of all Bidders. The availability of such information shall not relieve any Bidder from responsibility to visit the Project Site, to become familiar with the local conditions under which the Work is to be performed and to correlate the Bidder's observations with the requirements of the Bidding Documents.

1. SOIL AND SITE EVALUATION – STORMWATER INFILTRATION

The Soil and Site Evaluation – Stormwater Infiltration document by Edward J Olszewski dated 1/15/2026 is included here for reference purposes only and shall not be considered a part of the Contract Documents. The Architect/Engineer does not certify its completeness or accuracy. The Contractor may do additional testing and evaluation to verify subsurface conditions. The report includes 3 of 3 pages and one page that is a markup to a portion of sheet C200 showing test pit locations.

END OF DOCUMENT 00 30 00

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Wisconsin Department of Safety and Professional Services
Division of Industry Services
4822 Madison Yards Way
PO Box 7302
Madison, WI 53707

Phone: 608-266-2112
Web: http://dsps.wi.gov
Email: dsps@wisconsin.gov

Program: Plumbing
Web: https://dsps.wi.gov/Pages/Programs/Plumbing

Soil and Site Evaluation – Stormwater Infiltration

In accordance with SPS 382.365, 385, Wis. Adm. Code, and WDNR Standard 1002

Personal information you provide may be used for secondary purposes [Privacy Law, s. 15.04(1)(m)]

Attach a complete site plan on paper not less than 8 ½ x 11 inches in size. Plan must include, but is not limited to: vertical and horizontal reference point (BM); direction and percent of slope; scale or dimensions; north arrow; and BM referenced to nearest road.

PLEASE PRINT ALL INFORMATION

COUNTY: Monroe

PARCEL ID:

PROPERTY OWNER: Western Technical College

PROPERTY OWNER'S MAILING ADDRESS: 11177 County Highway A

CITY, STATE, ZIP CODE: Sparta, WI, 54656

PHONE:

PROPERTY LOCATION

Govt. Lot 1, NW ¼, SW ¼, S 8, T 17 N, R 3

Lot #, Block #, Subd. Name or CSM #:

Municipality: Sparta

■ City ☐ Village ☐ Town

Nearest Road: County Highway A

Drainage area _____ ☐sq. ft. ☐acres

Test site suitable for (check all that apply):

☐Site not suitable ☐Bioretention

☐Reuse ☐Subsurface Dispersal System

☐Irrigation ☐Other _____

HYDRAULIC APPLICATION TEST METHOD

■ Morphological Evaluation

☐ Double Ring Infiltrometer

☐ Other: (specify)

SOIL MOISTURE

Date of soil borings: 1/15/2026

USDA-NRCS WETS VALUE:

☐ Dry = 1

■ Normal = 2

☐ Wet = 3

1 #OBS. ■ Pit ☐ Boring Ground Surface Elevation 800.4 ft. Elevation of Limiting Factor 787.1 ft.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	% Rock Frags.	% Fines	Hydraulic App. Rate Inches/Hr.
1	0-26	Topsoil								
2	26-43	5YR 3/4		f-mls	0 sg	mfr		<15		1.63
3	43-160	2.5Y 7/3		f-ms	0 sg	ml		0		3.60

Comments:

wet soils at 160"

2 #OBS. ■ Pit ☐ Boring Ground Surface Elevation 801.1 ft. Elevation of Limiting Factor 788.6 ft.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	% Rock Frags.	% Fines	Hydraulic App. Rate Inches/Hr.
1	0-28	Topsoil								
2	28-45	5YR 3/4		f-mls	0 sg	mfr		<15		1.63
3	45-150	2.5Y 7/3		f-ms	0 sg	ml		0		3.60

Comments:
wet soils at 150"

3 #OBS. ■ Pit ☐ Boring Ground Surface Elevation 800.1 ft. Elevation of Limiting Factor 787.8 ft.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	% Rock Frags.	% Fines	Hydraulic App. Rate Inches/Hr.
1	0-24	Topsoil								
2	24-40	2.5Y 4/3		f-ls	0 sg	mfr		0		1.63
3	40-148	2.5Y 7/3		f-ms	0 sg	ml		0		3.60

Comments:
wet soils at 148"

4 #OBS. ■ Pit ☐ Boring Ground Surface Elevation 798.2 ft. Elevation of Limiting Factor 787.0 ft.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	% Rock Frags.	% Fines	Hydraulic App. Rate Inches/Hr.
1	0-18									
2	18-40	2.5Y 4/2		f-ls	0 sg	mfr		0		1.63
3	40-135	2.5Y 7/3		f-ms	0 sg	ml		0		3.60

Comments:
wet soils at 135"

____ #OBS. ☐ Pit ☐ Boring Ground Surface Elevation _____ ft. Elevation of Limiting Factor _____ ft.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	% Rock Frags.	% Fines	Hydraulic App. Rate Inches/Hr.

Comments:

____ #OBS. ☐ Pit ☐ Boring Ground Surface Elevation _____ ft. Elevation of Limiting Factor _____ ft.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	% Rock Frags.	% Fines	Hydraulic App. Rate Inches/Hr.

Comments:

Overall Site Comments:

Edward j Olszewski
Name (Please Print)

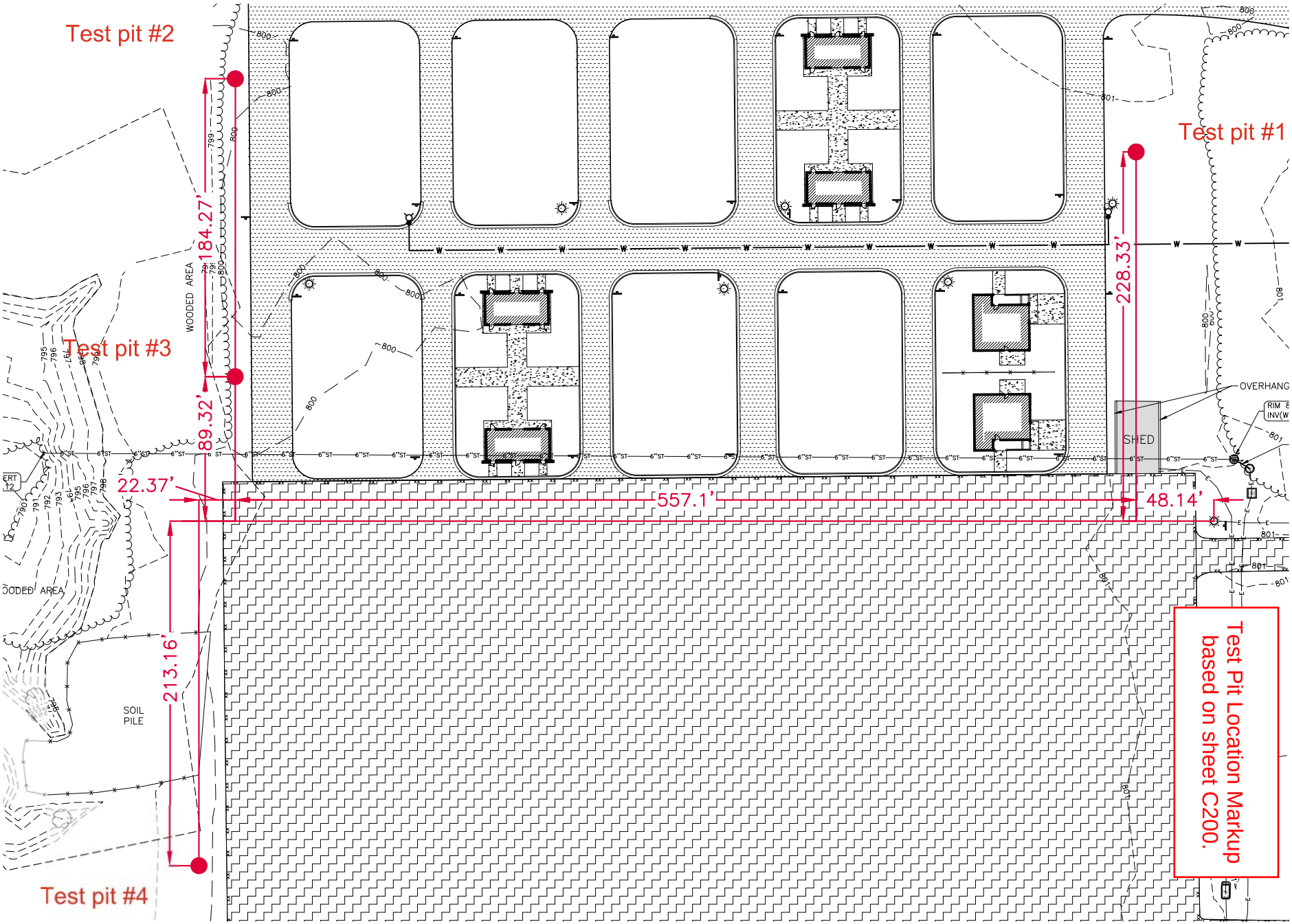
Signature

CST #SP0225-00001
Credential Number

4941 Kirschling Court, Stevens Point, WI.
Address

1/15/26
Date Evaluation Conducted

715-344-9999
Phone Number


Test pit #2
Test pit #1
Test pit #3
Test pit #4
184.27’
89.32’
22.37’
557.1’
48.14’
228.33’
213.16’
WOODED AREA
SHED
OVERHANG
SOIL PILE
Test Pit Location Markup based on sheet C200.

SECTION 01 30 00
ADMINISTRATIVE REQUIREMENTS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. General administrative requirements.

B. Electronic document submittal service.

C. Preconstruction meeting.

D. Progress meetings.

E. Construction progress schedule.

F. Progress photographs.

G. Coordination drawings.

H. Submittals for review, information, and project closeout.

I. Number of copies of submittals.

J. Requests for Interpretation (RFI) procedures.

K. Submittal procedures.

1.02 RELATED REQUIREMENTS

A. Applicable provisions of Division 1 shall govern the work of this section.

B. Section 01 25 00 - Substitution Procedures.

C. Section 01 40 00 - Quality Requirements: Testing reports.

D. Section 01 60 00 - Product Requirements: General product requirements.

E. Section 01 70 00 - Execution and Closeout Requirements: Additional coordination requirements.

F. Section 01 78 00 - Closeout Submittals: Project record documents; operation and maintenance data; warranties and bonds.

1.03 GENERAL ADMINISTRATIVE REQUIREMENTS

A. Comply with requirements of Section 01 70 00 - Execution and Closeout Requirements for coordination of execution of administrative tasks with timing of construction activities.

B. Make the following types of submittals to Architect:
   1. Requests for Interpretation (RFI).
   2. Requests for substitution.
   3. Shop drawings, product data, and samples.
   4. Test and inspection reports.
   5. Design data.
   6. Manufacturer's instructions and field reports.
   7. Applications for payment and change order requests.
   8. Progress schedules.
   9. Coordination drawings.
   10. Correction Punch List and Final Correction Punch List for Substantial Completion.
   11. Closeout submittals.

1.04 PROJECT COORDINATOR

A. Project Coordinator: Contractor's Superintendent.

B. Cooperate with the Project Coordinator in allocation of mobilization areas of site; for field offices and sheds, for equipment access, traffic, and parking facilities.

C. During construction, coordinate use of site and facilities through the Project Coordinator.

D. Comply with Project Coordinator's procedures for intra-project communications; submittals, reports and records, schedules, coordination drawings, and recommendations; and resolution of ambiguities and conflicts.

E. Comply with instructions of the Project Coordinator for use of temporary utilities and construction facilities.

F. Coordinate field engineering and layout work under instructions of the Project Coordinator.

G. Make the following types of submittals to Architect through the Project Coordinator:
   1. Requests for Interpretation.
   2. Requests for substitution.
   3. Shop drawings, product data, and samples.
   4. Test and inspection reports.
   5. Design data.
   6. Manufacturer's instructions and field reports.
   7. Applications for payment and change order requests.
   8. Progress schedules.
   9. Coordination drawings.
   10. Correction Punch List and Final Correction Punch List for Substantial Completion.
   11. Closeout submittals.

PART 2 PRODUCTS NOT USED

PART 3 EXECUTION

3.01 ELECTRONIC DOCUMENT SUBMITTAL SERVICE

A. All documents transmitted for purposes of administration of the contract are to be in electronic (PDF, MS Word, or MS Excel) format, as appropriate to the document, and transmitted via an Internet-based submittal service that receives, logs and stores documents, provides electronic stamping and signatures, and notifies addressees via email.
   1. Besides submittals for review, information, and closeout, this procedure applies to Requests for Interpretation (RFIs), progress documentation, contract modification documents (e.g. supplementary instructions, change proposals, change orders), applications for payment, field reports and meeting minutes, Contractor's correction punchlist and any other document any participant wishes to make part of the project record.
   2. Contractor and Architect are required to use this service.
   3. It is Contractor's responsibility to submit documents in allowable format.
   4. Subcontractors, suppliers, and Architect's consultants and Owner are to be permitted to use the service at no extra charge.
   5. Users of the service need an email address, internet access, and PDF review software that includes ability to mark up and apply electronic stamps (such as Adobe Acrobat, www.adobe.com, or Bluebeam PDF Revu, www.bluebeam.com), unless such software capability is provided by the service provider.
   6. Paper document transmittals will not be reviewed without prior authorization; emailed electronic documents will not be reviewed.
   7. All other specified submittal and document transmission procedures apply, except that electronic document requirements do not apply to samples or color selection charts.
   8. Physical samples or color charts required for color selection shall be scanned into PDF format and submitted for approval via the Electronic Document Submittal Service in addition to physical delivery of the samples.

9. If the service allows for customization of the submittal review and acknowledgement categories, then the Contractor shall adjust the categories to match the following categories. If the service is not customizable, then the reviewer is free to pick the category of the service that best matches the desired workflow for the submittal without changing the substance of the reviewer's stamped response.
    a. The Architect's Review Stamp includes the following categories:
        1) Review Completed.
        2) Exceptions as Noted.
        3) Rejected.
        4) Revise and Resubmit.
        5) Confirmation Required.
        6) Additional Information Requested.
        7) Not Required for Review.

B. Submittal Service: The Contractor will provide and administer one of the following services.
    1. Procore: Project Management Pro (https://www.procore.com/).
    2. Primavera Submittal Exchange Cloud Service: (www.Oracle.com/industries/construction-engineering/submittal-exchange/).
    3. Viewpoint Team: https://www.viewpoint.com/products/viewpoint-team.
    4. PlanGrid Build: https://construction.autodesk.com/products/autodesk-plangrid-build/?pgr=1.
    5. Information for contractors not currently using one of the services listed above:
        a. Substitute services can be submitted for consideration by the Architect prior to bid using the substitution processes described in Section 01 25 00 Substitution Procedures.
        b. Primavera Submittal Exchange is available on a per-project basis.

C. Project Closeout: Architect will determine when to terminate the service for the project and is responsible for obtaining archive copies of files for Owner.

3.02 PRECONSTRUCTION MEETING

A. Architect will schedule a meeting within 10 working days after Notice of Award.

B. Attendance Required:
    1. Owner.
    2. Architect.
    3. Contractor.
    4. Major subcontractors.
    5. Architect/Engineer will advise other interested parties, and request their attendance.

C. Agenda:
    1. Organizational arrangement of Contractor's forces and personnel, and those of subcontractors, materials suppliers, and Architect/Engineer.
    2. Channels and procedures for communication.
    3. Construction schedule, including sequence of critical work.
    4. Coordination of separate contract work, if any.
    5. Distribution of Contract Documents.
    6. Designation of personnel representing the parties to Contract and Architect.
    7. Procedures and processing of field decisions, submittals, substitutions, applications for payments, proposal request, Change Orders, and Contract closeout procedures.
    8. Rules and regulations governing performance of the Work.
    9. Procedures for safety and first aid, security, quality control, housekeeping, and related matters.

D. Architect will conduct meeting, record and distribute minutes.

3.03 PROGRESS MEETINGS

A. Meetings to be held throughout progress of the Work at maximum monthly intervals.

B. Architect will make arrangements for meetings, prepare agenda with copies for participants, preside at meetings, record and distribute minutes.

C. Attendance Required:
   1. Contractor.
   2. Owner.
   3. Architect.
   4. Contractor's superintendent.
   5. Major subcontractors.
   6. Assign the same person or persons to represent the Contractor at project meetings throughout progress of the Work.
   7. Subcontractors, materials suppliers, and others may be invited to attend those project meetings in which their aspect of the Work is involved.

D. Minimum Agenda:
   1. Review minutes of previous meetings.
   2. Review of work progress.
   3. Field observations, problems, and decisions.
   4. Identification of problems that impede, or will impede, planned progress.
   5. Review of submittals schedule and status of submittals.
   6. Review of off-site fabrication and delivery schedules.
   7. Maintenance of progress schedule.
   8. Corrective measures to regain projected schedules.
   9. Planned progress during succeeding work period.
   10. Coordination of projected progress.
   11. Maintenance of quality and work standards.
   12. Effect of proposed changes on progress schedule and coordination.
   13. Other business relating to work.

E. Revisions to minutes:
   1. Unless published minutes are challenged in writing prior to the next regularly scheduled progress meeting, they will be accepted as properly stating the activities and decisions of the meeting.
   2. Persons challenging published minutes shall reproduce and distribute copies of the challenge to all indicated recipients of the particular set of minutes.
   3. Challenge to minutes shall be settled as priority portion of "old business" at the next regularly schedule meeting.

3.04 CONSTRUCTION PROGRESS SCHEDULE

A. Within 7 days after date of the Agreement, submit preliminary schedule defining planned operations for the first 60 days of work, with a general outline for remainder of work.

B. If preliminary schedule requires revision after review, submit revised schedule within 10 days.

C. Within 7 days after review of preliminary schedule, submit draft of proposed complete schedule for review.
   1. Include written certification that major contractors have reviewed and accepted proposed schedule.

D. Within 7 days after joint review, submit complete schedule.

E. Submit updated schedule with each Application for Payment.

F. Submit updated schedule periodically as required to reflect progress made and remaining work to achieve contractual completion date.

3.05 PHOTOGRAPHS

A. Take photographs as evidence of existing project conditions as follows:
   1. Interior views: Verify conditions of adjacent surfaces and finish conditions for future verification.
   2. Exterior views: Verify conditions of adjacent items (i.e. sidewalks paving sod walls etc.) for future verification.

B. Digital Photographs: 24 bit color, minimum resolution of 1024 by 768, in JPG format; provide files unaltered by photo editing software.
   1. Delivery Medium: Via email.
   2. File Naming: Include project identification, date and time of view, and view identification.

3.06 COORDINATION DRAWINGS

A. Provide information required by Project Coordinator for preparation of coordination drawings.

B. Review drawings prior to submission to Architect.

3.07 REQUESTS FOR INTERPRETATION (RFI)

A. Definition: A request seeking one of the following:
   1. An interpretation, amplification, or clarification of some requirement of Contract Documents arising from inability to determine from them the exact material, process, or system to be installed; or when the elements of construction are required to occupy the same space (interference); or when an item of work is described differently at more than one place in Contract Documents.
   2. A resolution to an issue which has arisen due to field conditions and affects design intent.

B. Whenever possible, request clarifications at the next appropriate project progress meeting, with response entered into meeting minutes, rendering unnecessary the issuance of a formal RFI.

C. Preparation: Prepare an RFI immediately upon discovery of a need for interpretation of Contract Documents. Failure to submit a RFI in a timely manner is not a legitimate cause for claiming additional costs or delays in execution of the work.
   1. Prepare a separate RFI for each specific item.
      a. Review, coordinate, and comment on requests originating with subcontractors and/or materials suppliers.
      b. Do not forward requests which solely require internal coordination between subcontractors.
   2. Prepare in a format and with content acceptable to Architect.

D. Reason for the RFI: Prior to initiation of an RFI, carefully study all Contract Documents (Drawings, Addenda and Specifications) to confirm that information sufficient for their interpretation is definitely not included.
   1. Include in each request Contractor's signature attesting to good faith effort to determine from Contract Documents information requiring interpretation.
   2. Unacceptable Uses for RFIs: Do not use RFIs to request the following::
      a. Approval of submittals (use procedures specified elsewhere in this section).
      b. Approval of substitutions (see Section - 01 25 00 Substitution Procedures).
      c. Changes that entail change in Contract Time and Contract Sum (comply with provisions of the Conditions of the Contract).
      d. Different methods of performing work than those indicated in the Contract Drawings and Specifications (comply with provisions of the Conditions of the Contract).
   3. Improper RFIs: Requests not prepared in compliance with requirements of this section, and/or missing key information required to render an actionable response. They will be returned without a response, with an explanatory notation.
   4. Frivolous RFIs: Requests regarding information that is clearly indicated on, or reasonably inferable from, Contract Documents, with no additional input required to clarify the question. They will be returned without a response, with an explanatory notation.

E. Content: Include identifiers necessary for tracking the status of each RFI, and information necessary to provide an actionable response.
   1. Official Project name and number, and any additional required identifiers established in Contract Documents.
   2. Owner's, Architect's, and Contractor's names.
   3. Discrete and consecutive RFI number, and descriptive subject/title.
   4. Issue date, and requested reply date.
   5. Contractor shall confirm that their research of the issue has included review of both the Project Drawings and Specification Manual.
   6. Reference to particular Contract Document(s) requiring additional information/interpretation. Identify pertinent drawing and detail number and/or specification section number, title, and paragraph(s).
   7. Annotations: Field dimensions and/or description of conditions which have engendered the request.
   8. Contractor's suggested resolution: A written and/or a graphic solution, to scale, is required in cases where clarification of coordination issues is involved, for example; routing, clearances, and/or specific locations of work shown diagrammatically in Contract Documents. If applicable, state the likely impact of the suggested resolution on Contract Time or the Contract Sum.

F. Attachments: Include sketches, coordination drawings, descriptions, photos, submittals, and other information necessary to substantiate the reason for the request.

G. RFI Log: Prepare and maintain a tabular log of RFIs for the duration of the project.
   1. Indicate current status of every RFI. Update log promptly and on a regular basis.
   2. Note dates of when each request is made, and when a response is received.
   3. Highlight items requiring priority or expedited response.
   4. Highlight items for which a timely response has not been received to date.
   5. Identify and include improper or frivolous RFIs.

H. Review Time: Architect will respond and return RFIs to Contractor within seven calendar days of receipt. For the purpose of establishing the start of the mandated response period, RFIs received after 1:00 p.m. will be considered as having been received on the following regular working day.
   1. Response period may be shortened or lengthened for specific items, subject to mutual agreement, and recorded in a timely manner in progress meeting minutes.

I. Responses: Content of answered RFIs will not constitute in any manner a directive or authorization to perform extra work or delay the project. If in Contractor's belief it is likely to lead to a change to Contract Sum or Contract Time, promptly issue a notice to this effect, and follow up with an appropriate Change Order request to Owner.
   1. Response may include a request for additional information, in which case the original RFI will be deemed as having been answered, and an amended one is to be issued forthwith. Identify the amended RFI with an R suffix to the original number.
   2. Do not extend applicability of a response to specific item to encompass other similar conditions, unless specifically so noted in the response.
   3. Upon receipt of a response, promptly review and distribute it to all affected parties, and update the RFI Log.
   4. Notify Architect within seven calendar days if an additional or corrected response is required by submitting an amended version of the original RFI, identified as specified above.

3.08 SUBMITTAL SCHEDULE (LOG)

A. Submit to Architect for review a schedule for submittals in tabular format.
   1. Submit at the same time as the preliminary schedule.
   2. Coordinate with Contractor's construction schedule and schedule of values.
   3. Format schedule to allow tracking of status of submittals throughout duration of construction.
   4. Arrange information to include scheduled date for initial submittal, specification number and title, description of item of work covered, role and name of subcontractor, and Categorization: Review, Information, Closeout, Maintenance Materials.
   5. Account for time required for preparation, review, manufacturing, fabrication and delivery when establishing submittal delivery and review deadline dates.
      a. For assemblies, equipment, systems comprised of multiple components and/or requiring detailed coordination with other work, allow for additional time to make corrections or revisions to initial submittals, and time for their review.

3.09 SUBMITTALS FOR REVIEW

A. When the following are specified in individual sections, submit them for review:
   1. Product data.
   2. Delegated design - Instruments of Service.
   3. Shop drawings.
   4. Samples for selection.
   5. Samples for verification.

B. Submit to Architect for review for the limited purpose of checking for compliance with information given and the design concept expressed in Contract Documents.

C. Samples will be reviewed for aesthetic, color, or finish selection.

D. After review, provide copies and distribute in accordance with SUBMITTAL PROCEDURES article below and for record documents purposes described in Section 01 78 00 - Closeout Submittals.

3.10 SUBMITTALS FOR INFORMATION

A. When the following are specified in individual sections, submit them for information:
   1. Certificates.
   2. Test and evaluation reports.
   3. Inspection reports.
   4. Manufacturer's instructions.
   5. Manufacturer reports.
   6. Qualification documentation.
      a. Manufacturer.
      b. Supplier.
      c. Fabricators.
      d. Installers, Applicators, Erectors.
   7. Source quality control documentation.
   8. Field quality control documentation.
   9. Other types indicated.

B. Submit for Architect's knowledge as contract administrator or for Owner.

3.11 SUBMITTALS FOR PROJECT CLOSEOUT

A. Submit Correction Punch List for Substantial Completion.

B. Submit Final Correction Punch List for Substantial Completion.

C. When the following are specified in individual sections, submit them at project closeout in compliance with requirements of Section 01 78 00 - Closeout Submittals:
   1. Maintenance Contracts.
   2. Project record documents.
   3. Operation and maintenance data.
   4. Warranties.
   5. Bonds.
   6. Sustainable Design Closeout Documentation.
   7. Software.
   8. Other types as indicated.

D. Submit for Owner's benefit during and after project completion.

3.12 MAINTENENACE MATERIALS SUBMITTALS

A. When the following are specified in individual sections, provide the specified items to the Owner and submit documentation of the owner's acceptance of the items, the date of transfer to the Owner and location at time of transfer.
   1. Spare Parts.
   2. Extra Stock.
   3. Tools.

B. Unless otherwise required by the Owner or Architect maintenance materials submittals can be documented in single combined transmittal at project closeout.

3.13 NUMBER OF COPIES OF SUBMITTALS

A. Electronic Documents: Submit one electronic copy in PDF format; an electronically-marked up file will be returned. Create PDFs at native size and right-side up; illegible files will be rejected.

B. Hard Copy Documents for Review: (If PDF format is not possible).
   1. Small Size Sheets, Not Larger Than 8-1/2 by 11 inches: Submit the number of copies that Contractor requires, plus one copy that will be retained by Architect.
   2. Larger Sheets, Not Larger Than 36 by 48 inches: Submit the number of opaque reproductions that Contractor requires, plus one copy that will be retained by Architect.
   3. Hard Copy Documents for product data Information: Submit number of copies required to be returned plus one copy which will be retained by the A/E.

C. Extra Copies at Project Closeout: See Section 01 78 00.

3.14 SAMPLES

A. Samples: Submit the number specified in individual specification sections, but no fewer than two; at least one of which will be retained by Architect.
   1. Retained samples will not be returned to Contractor unless specifically so stated.

3.15 SUBMITTAL PROCEDURES

A. General Requirements:
   1. Submittal Transmittal Requirements.
      a. Use a single transmittal for related submittal items. Do not combine submittal items from more than one of the following categories into a single transmittal: review, information, closeout, and maintenance materials.
         1) This project manual may contain specification sections that require transmittals that include submittal items from multiple sections as a single combined transmittal. Follow the instructions within the specification sections.

2) For specification sections that explicitly identify related submittal items provide transmittals that combine the items indicated.
(a) If related items are explicitly identified they will be categorized into any of the following groups:
(1) Review Submittals - Preparatory.
(2) Review Submittals - Samples.
(3) Information Submittals - Preparatory.
(4) Information Submittals - During Execution.
(5) Closeout Submittals.
(6) Maintenance Materials.
3) For specification sections that do not explicitly identify related submittal items, provide a separate transmittal for each item or coordinate with the Architect for approval of grouping submittal items into combined transmittals.

b. Transmit using approved form / coversheet.
1) Use Contractor's form, subject to prior approval by Architect.
2) Use form generated by Electronic Document Submittal Service software.
3) Provide space for Contractor and Architect review stamps.

c. Sequentially identify each item. For revised submittals use original number and a sequential numerical suffix.

d. Identify: Project; Contractor; subcontractor or supplier; pertinent drawing and detail number; and specification section number and article/paragraph, as appropriate on each copy.

e. Apply Contractor's stamp, signed or initialed certifying that review, approval, verification of products required, field dimensions, adjacent construction work, and coordination of information is in accordance with the requirements of the work and Contract Documents.

2. Submittals from sources other than the Contractor, or without Contractor's stamp will not be acknowledged, reviewed, or returned.

3. Deliver each submittal on date noted in submittal schedule, unless an earlier date has been agreed to by all affected parties, and is of the benefit to the project.
a. Deliver hardcopy and sample submittals to Architect at business address. Submit in hardcopy form only for physical sample submittals or other submittals with prior approval by the Architect.
b. Upload submittals in electronic form to Electronic Document Submittal Service website.

4. Schedule submittals to expedite the Project, and coordinate submission of related items.
a. For each submittal for review, allow 10 days excluding delivery time to and from the Contractor.
b. For sequential reviews involving Architect's consultants, Owner, or another affected party, allow an additional 5days.

5. Identify variations from Contract Documents and product or system limitations that may be detrimental to successful performance of the completed work.

6. When revised for resubmission, identify all changes made since previous submission.

7. Distribute reviewed submittals. Instruct parties to promptly report inability to comply with requirements.

8. Where contents of submitted product data include data not pertinent to the submittal, clearly indicate which portion of the contents is being submitted for review.
a. Circle, box or callout the applicable items in the submittal.
b. Strikethrough or cross-out non-applicable items in the submittal.

9. Within 30 days after notification of selection for award of contract, provide a listing of suppliers and manufacturers, include their address, phone number, and the portions of work which they will perform.

10. Incomplete submittals will not be reviewed, unless they are partial submittals for distinct portion(s) of the work, and have received prior approval for their use.
11. Submittals not requested will be recognized and will be returned "Not Required for Review."

B. Product Data Procedures:
1. Submit only information required by individual specification sections.
2. Collect required information into a single submittal.
3. Submit concurrently with related shop drawing submittal.
4. Do not submit (Material) Safety Data Sheets for materials or products.

C. Shop Drawing Procedures:
1. Prepare accurate, drawn-to-scale, original shop drawing documentation by interpreting Contract Documents and coordinating related work. Prepare drawings to a scale sufficiently large to show all pertinent aspects of the item and method of connection.
2. Do not reproduce Contract Documents to create shop drawings.
3. Generic, non-project-specific information submitted as shop drawings do not meet the requirements for shop drawings.

D. Samples Procedures:
1. Transmit related items together as single package.
2. Identify each item to allow review for applicability in relation to shop drawings showing installation locations.
3. Include with transmittal high-resolution image files of samples to facilitate electronic review and approval. Provide separate submittal page for each item image.
4. In situations specifically so approved by the Architect, the Architect's sample may be used in the construction as one of the installed items.
5. Unless the precise color and pattern is specifically described in the Contract Documents, and whenever a choice of color or pattern is available in a specified product, submit accurate color and pattern charts to the Architect for review and selection.

E. Reviewing and conditional approval are only for conformance with the design concept of the Project and compliance with the information given in the Contract Documents.

F. Conditions of approval: The Contractor is responsible for dimensions to be confirmed and correlated at the site; for information that pertains solely to the fabrication process or to the means, methods, techniques, sequences and procedures of construction and for coordination of the Work of all trades. Corrections or comments made on this shop drawing submittal do not relieve the Contractor from compliance with requirements of Contract Documents.

G. Delays caused by tardiness in receipt of submittals will not be an acceptable basis for extension of the Contract Completion date.

3.16 SUBMITTAL REVIEW

A. Submittals for Review: Architect will review each submittal, and approve, or take other appropriate action.

B. Submittals for Information: Architect will acknowledge receipt and review. See below for actions to be taken.

C. Submittals for Project Closeout: Architect will review with closeout documentation.

D. Submittals for Maintenance Materials: Architect will review with closeout documentation.

E. Architect's actions will be reflected by marking each returned submittal using virtual stamp on electronic submittals.
1. Notations may be made directly on submitted items and/or listed on appended Submittal Review cover sheet.

F. Architect's and consultants' actions on items submitted for review:
    1. Authorizing purchasing, fabrication, delivery, and installation:
        a. "Review Completed", or language with same legal meaning.
        b. "Exceptions as Noted", or language with same legal meaning.
            1) At Contractor's option, submit corrected item, with review notations acknowledged and incorporated.
        c. "Additional Information Requested", or language with the same legal meaning.
            1) Resubmit with additional information, with review notations acknowledged and incorporated.
            2) Non-responsive resubmittals may be rejected.
        d. "Review Completed and Confirmation Required", or language with same legal meaning.
            1) Resubmit corrected item, with review notations acknowledged and incorporated. Resubmit separately, or as part of project record documents.
            2) Non-responsive resubmittals may be rejected.
    2. Not Authorizing fabrication, delivery, and installation:
        a. "Revise and Resubmit".
            1) Resubmit revised item, with review notations acknowledged and incorporated.
            2) Non-responsive resubmittals may be rejected.
        b. "Rejected".
            1) Submit item complying with requirements of Contract Documents.

G. Architect's and consultants' actions on items submitted for information:
    1. Acknowledgment of the submittal without noting any further action required by the Contractor regarding the submittal:
        a. "Review Completed", or language with the same legal meaning.
    2. Returning the submittal to the contractor for correction:
        a. "Rejected", or language with the same legal meaning. This categorization of the submittal may be accompanied by further instruction or other categorization in the stamp to advise the contractor what needs to be corrected.

H. Architect's and consultants' actions on items submitted that were not requested.
    1. "Not Required for Review" - to notify the contractor the submittal is not required.

END OF SECTION

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SECTION 07 41 13
METAL ROOF PANELS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Metal roof panel system of preformed panels with trim. Contractors option for materials (galvanized steel sheet, aluminum sheet) and seaming (mechanical seaming, batten clip).

1.02 RELATED REQUIREMENTS

A. Applicable provisions of Division 1 govern the work of this section.

B. Section 01 40 00 - Quality Requirements: Additional requirements for mockups.

C. Section 06 10 00 - Rough Carpentry: Roof sheathing.

D. Section 07 42 13 Metal Wall Panels: Single source the supplier of these two sections. Match metal sheet materials for the work of these two sections.

E. Section 07 92 00 - Joint Sealants: Sealing joints between metal roof panel system and adjacent construction.

1.03 REFERENCE STANDARDS

A. AAMA 2605 - Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels (with Coil Coating Appendix); 2022.

B. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2025a.

C. ASTM B209/B209M - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate; 2021a.

D. ASTM D226/D226M - Standard Specification for Asphalt-Saturated Organic Felt Used in Roofing and Waterproofing; 2025.

E. ASTM D1970/D1970M - Standard Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection; 2025.

F. ASTM D4869/D4869M - Standard Specification for Asphalt-Saturated Organic Felt Underlayment Used in Steep Slope Roofing; 2016a (Reapproved 2025).

G. ASTM E96/E96M - Standard Test Methods for Gravimetric Determination of Water Vapor Transmission Rate of Materials; 2024a.

H. ASTM E1592 - Standard Test Method for Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference; 2025.

I. ASTM E1646 - Standard Test Method for Water Penetration of Exterior Metal Roof Panel Systems by Uniform Static Air Pressure Difference; 1995 (Reapproved 2024).

J. UL 580 - Standard for Tests for Uplift Resistance of Roof Assemblies; Current Edition, Including All Revisions.

1.04 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements for procedures.

B. Provide submittal transmittals that include all submittal items identified in each submittal group below.

C. Review Submittals - Preparatory:
   1. Product Data: Manufacturer's data sheets on each product to be used, including:
      a. Summary of test results, indicating compliance with specified requirements.
      b. Storage and handling requirements and recommendations.
      c. Installation methods.
      d. Specimen warranty.

2. Shop Drawings: Include layouts of roof panels, details of edge and penetration conditions, spacing and type of connections, flashings, underlayments, and special conditions.
    a. Show work to be field-fabricated or field-assembled.

D. Review Submittals - Samples:
1. Selection Samples: For each roofing system specified, submit color chips representing manufacturer's full range of available colors and patterns.
2. Verification Samples: For each roofing system specified, submit samples of minimum size 12 inches square, representing actual roofing metal, thickness, profile, color, and texture.

E. Information Submittals - Preparatory:
1. Test Reports: Indicate compliance of metal roofing system to specified requirements.

F. Closeout Submittals:
1. Extended Period: Submit certificate by Contractor acknowledging the section specific period to correct work described in this Section.
2. Warranty Documentation: Submit documentation of manufacturer's warranty that acknowledges the requirements defined in this section.
    a. Provide procurement information including date(s) of procurement, identification of suppliers and contractors involved in the procurement.
    b. Provide manufacturer certification of the warranty that is executed in the Owner's name.

1.05 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than five years of documented experience.

B. Installer Qualifications: Company specializing in performing work of the type specified and with at least three years of documented experience.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Store roofing panels on project site as recommended by manufacturer to minimize damage to panels prior to installation.

1.07 FIELD CONDITIONS

A. Do not install metal roof panels, eave protection membrane, underlayment when surface, ambient air, or wind chill temperatures are below 45 degrees F.

1.08 WARRANTY

A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.

B. Section Specific Warranty: Provide manufacturer’s customized warranty as described in this section. Document the warranty as defined under the Submittals heading of this section. Provide warranty in conformance with the following:
1. Finish Warranty: Provide manufacturer’s special warranty covering failure of factory-applied exterior finish on metal roof panels and agreeing to repair or replace panels that show evidence of finish degradation, including significant fading, chalking, cracking, or peeling within specified warranty period of 20 year period from date of Substantial Completion.

C. Extended Period: Correct work in accordance with the terms of the General Conditions .
1. Provide warranty for weathertightness of roofing system, including agreement to repair or replace metal roof panels that fail to keep out water.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Architectural Metal Roof Panel Manufacturers:
1. ATAS International, Inc: www.atas.com.
2. Elevate: www.holcimelevate.com.
3. IMETCO: www.imetco.com.

4. MBCI: www.mbci.com.
5. McElroy Metal: www.mcelroymetal.com.
6. Morin Corporation: www.morincorp.com.
7. MS Metal Sales Manufacturing Corp; metalsales.us.com.
8. Petersen Aluminum Corporation: www.pac-clad.com.

B. Substitutions: See Section 01 25 00 - Substitution Procedures for requirements.

2.02 PERFORMANCE REQUIREMENTS

A. Metal Roof Panels: Provide complete roofing assemblies, including roof panels, clips, fasteners, connectors, and miscellaneous accessories, tested for compliance with the following minimum standards:
   1. Structural Design Criteria: Provide panel assemblies designed to safely support design loads at support spacing indicated, with deflection not to exceed L/180 of span length(L) when tested in accordance with ASTM E1592.
      a. Dead Loads: Weight of roofing system.
      b. Live Loads: As indicated on drawings.
   2. Overall: Complete weathertight system tested and approved in accordance with ASTM E1592.
   3. Wind Uplift: Class 90 wind uplift resistance of UL 580.
   4. Water Penetration: No water penetration when tested in accordance with procedures and recommended test pressures of ASTM E1646; perform test immediately following air infiltration test.
   5. Thermal Movement: Design system to accommodate without deformation anticipated thermal movement over ambient temperature range of 100 degrees F.

2.03 METAL ROOF PANELS

A. Metal Roof Panels: Provide complete engineered system complying with specified requirements and capable of remaining weathertight while withstanding anticipated movement of substrate and thermally induced movement of roofing system.

B. Metal Panels: Factory-formed panels with factory-applied finish.
   1. Material:
      a. Contractor's choice of the following:
         1) Coordinate sections 07 41 13 and 07 42 13. Match materials for roofing and siding.
         2) Steel Panels:
            (a) Zinc-coated steel complying with ASTM A653/A653M; minimum G60 galvanizing.
            (b) Steel Thickness: Minimum 24 gauge, 0.024 inch.
         3) Aluminum Panels:
            (a) Alloy and Temper: Aluminum complying with ASTM B209/B209M; temper as required for forming.
            (b) Thickness: Minimum 20 gauge, 0.032 inch.
   2. Profile:
      a. Contractor's choice of the following:
         1) Profile: Standing seam, with minimum 1.5 inch seam height; concealed fastener system for field seaming with special tool. (90 or 180 degree double lock).
         2) Profile: Batten seam, with separate snap-on battens of same metal as panels; concealed fastener system.
   3. Texture: Smooth, with intermediate ribs for added stiffness,.
   4. Length: Where possible, full length of roof. At distances longer than maximum sheet lengths install manufacturer's standard fixed clip at center of span and expansion clips at both ends per manufacturer's standard installation.
   5. Width: Maximum panel coverage of 20 inches.

2.04 ATTACHMENT SYSTEM

A. Concealed System: Provide manufacturer's standard stainless steel concealed anchor clips designed for specific roofing system and engineered to meet performance requirements, including anticipated thermal movement.

2.05 FABRICATION

A. Panels: Provide factory or field fabricated panels with applied finish and accessory items, using manufacturer's standard processes as required to achieve specified appearance and performance requirements.

B. Joints: Provide captive gaskets, sealants, or separator strips at panel joints to ensure weathertight seals, eliminate metal-to-metal contact, and minimize noise from panel movements.

2.06 FINISHES

A. Fluoropolymer Coil Coating System: Polyvinylidene fluoride (PVDF) multi-coat superior performing organic coatings system complying with AAMA 2605, including at least 70 percent PVDF resin, and at least 80 percent of coil coated metal surfaces having minimum total dry film thickness (DFT) of 0.9 mil, 0.0009 inch; color and gloss as selected by Architect from manufacturer’s standard line.

2.07 ACCESSORIES

A. Miscellaneous Sheet Metal Items: Provide flashings, trim, closure strips, and caps of the same material, thickness, and finish as used for the roofing panels. Items completely concealed after installation may optionally be made of stainless steel.

B. Rib and Ridge Closures: Provide prefabricated, close-fitting components of combination steel and closed-cell foam.

C. Clip fasteners: Stainless steel in size as recommended by system supplier.

D. Sealants:
   1. Exposed Sealant: Elastomeric; silicone, polyurethane, or silyl-terminated polyether/polyurethane.
   2. Concealed Sealant: Non-curing butyl sealant or tape sealant.
   3. Seam Sealant: Factory-applied, non-skinning, non-drying type.

E. Underlayment: Self-adhering rubber-modified asphalt sheet complying with ASTM D1970/D1970M; 40 mil total thickness; with strippable release film and woven polypropylene sheet top surface.
   1. Sheet Thickness: 40 mil, 0.040 inch minimum total thickness.
   2. Self Sealability: Nail sealability in accordance with ASTM D1970/D1970M.
   3. Low Temperature Flexibility: Comply with ASTM D1970/D1970M.
   4. Water Vapor Permeance: 0.067 perm, maximum, when tested in accordance with ASTM E96/E96M Procedure A (desiccant method).
   5. Performance: Meet or exceed requirements for ASTM D226/D226M, Type II asphalt-saturated organic felt.
   6. Liquid Water Transmission: Passes ASTM D4869/D4869M.
   7. Functional Temperature Range: Minus 70 degrees F to 212 degrees F.

PART 3 EXECUTION

3.01 EXAMINATION

A. Do not begin installation of preformed metal roof panels until substrates have been properly prepared.

B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.02 PREPARATION

A. Broom clean wood sheathing prior to installation of roofing system.

B. Coordinate roofing work with provisions for roof drainage, flashing, trim, penetrations, and other adjoining work to ensure that completed roof will be free of leaks.

C. Coordinate installation of waterproof membrane over roof sheathing with Section 06 10 00.

D. Remove protective film from surface of roof panels immediately prior to installation; strip film carefully to avoid damage to prefinished surfaces.

E. Separate dissimilar metals by applying a bituminous coating, self-adhering rubberized asphalt sheet, or other permanent method approved by metal roof panel manufacturer.

F. At locations where metal will be in contact with wood or other absorbent material subject to wetting, seal joints with sealing compound and apply one coat of heavy-bodied bituminous paint.

3.03 INSTALLATION

A. Overall: Install roofing system (insulation, sheathing, waterproof membrane and metal panels) in accordance with approved shop drawings and panel manufacturer's instructions recommendations and to meet warranty requirements, as applicable to specific project conditions. Anchor all components of roofing system securely in place while allowing for thermal and structural movement.
   1. Install roofing system with concealed clips and fasteners, except as otherwise recommended by manufacturer for specific circumstances.
   2. Minimize field cutting of panels. Where field cutting is required, use methods that will not distort panel profiles. Use of torches for field cutting is prohibited.

B. Accessories: Install necessary components that are required for complete roofing assembly, including flashings, trim, caps, and similar roof accessory items.

C. Install perimeter blocking, sub-fascia and related blocking.

D. Underlayment: Install waterproof membrane on roof deck before installing preformed metal roof panels. Secure by methods acceptable to roof panel manufacturer, minimizing use of metal fasteners. Apply from eaves to ridge in shingle fashion, overlapping horizontal joints a minimum of 3.5 inches and side and end laps a minimum of 6 inches.

E. Roof Panels: Install panels in strict accordance with manufacturer's instructions, minimizing transverse joints except at junction with penetrations.
   1. Form weathertight standing seams incorporating concealed clips, using an automatic mechanical seaming device approved by panel manufacturer.
   2. Provide concealed clips at panel joints, and apply snap-on battens to provide weathertight joints.
   3. Install sealant or sealant tape at end laps and side joints as recommended by metal roof panel manufacturer.

3.04 CLEANING AND PROTECTION

A. Clean exposed sheet metal work at completion of installation. Remove grease and oil films, excess joint sealer, handling marks, and debris from installation, leaving the work clean and unmarked, free from dents, creases, waves, scratch marks, or other damage to the finish.

B. Do not permit storage of materials or roof traffic on installed roof panels. Provide temporary walkways or planks as necessary to avoid damage to completed work. Protect roofing until completion of project.

C. Touch-up, repair, or replace damaged roof panels or accessories before Date of Substantial Completion.

END OF SECTION

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SECTION 07 42 13
METAL WALL PANELS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Manufactured metal panels for exterior wall panels, with related flashings and accessory components. Contractors option for materials (galvanized steel sheet, aluminum sheet) and seaming (mechanical seaming, batten clip).

1.02 RELATED REQUIREMENTS

A. Applicable provisions of Division 1 govern the work of this section.

B. Section 07 41 13 Metal Roof Panels: Single source the supplier of these two sections. Match metal sheet materials for the work of these two sections.

C. Section 07 92 00 - Joint Sealants: Sealing joints between metal wall panel system and adjacent construction.

1.03 REFERENCE STANDARDS

A. AATCC Test Method 127 - Test Method for Water Resistance: Hydrostatic Pressure; 2018, with Editorial Revision (2019).

B. ASTM A463/A463M - Standard Specification for Steel Sheet, Aluminum-Coated, by the Hot-Dip Process; 2025b.

C. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2025a.

D. ASTM B209/B209M - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate; 2021a.

E. ASTM E2178 - Standard Test Method for Determining Air Leakage Rate and Calculation of Air Permeance of Building Materials; 2021a.

F. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2026.

1.04 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements for procedures.

B. Review Submittals - Preparatory:
   1. Product Data - Wall System: Manufacturer's data sheets on each product to be used, including:
      a. Physical characteristics of components shown on shop drawings.
      b. Storage and handling requirements and recommendations.
      c. Installation instructions and recommendations.
   2. Shop Drawings: Indicate dimensions, layout, joints, construction details, and methods of anchorage.

C. Review Submittals - Samples:
   1. Samples: Submit two samples of wall panel, 12 inch by 12 inch in size illustrating finish color, sheen, and texture.

D. Information Submittals - Preparatory:
   1. Design Data: Submit design data reports indicating calculations for loadings and stresses of wall panel supports.
   2. Manufacturer's qualification statement.
   3. Installer's qualification statement.

E. Closeout Submittals:
   1. Extended Period: Submit certificate by Contractor acknowledging the section specific period to correct work described in this Section.

2. Warranty Documentation: Submit documentation of manufacturer's warranty that acknowledges the requirements defined in this section.
    a. Provide procurement information including date(s) of procurement, identification of suppliers and contractors involved in the procurement.
    b. Provide manufacturer certification of the warranty that is executed in the Owner's name.

1.05 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum three years of documented experience.

B. Installer Qualifications: Company specializing in installing products specified in this section with minimum three years of documented experience.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Protect panels from accelerated weathering by removing or venting sheet plastic shipping wrap.

B. Store prefinished material off the ground and protected from weather; prevent twisting, bending, or abrasion; provide ventilation; slope metal sheets to ensure proper drainage.

C. Prevent contact with materials that may cause discoloration or staining of products.

D. Coordinate the work with placement of HVAC equipment under Division 23.

1.07 WARRANTY

A. See Section 01 78 00 - Closeout Submittals for additional information regarding documenting warranties.

B. Section Specific Warranty: Provide manufacturer’s customized warranty as described in this section. Document the warranty as defined under the Submittals heading of this section. Provide warranty in conformance with the following:
    1. Finish Warranty: Provide 15-year manufacturer warranty against excessive degradation of exterior finish. Include provision for replacement of units with excessive fading, chalking, or flaking. Complete forms in Owner's name and register with warrantor.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Metal Wall Panels - Concealed Fasteners:
    1. ATAS International, Inc: www.atas.com.
    2. Elevate: www.holcimelevate.com.
    3. IMETCO: www.imetco.com.
    4. MBCI: www.mbci.com.
    5. McElroy Metal: www.mcelroymetal.com.
    6. Morin Corporation: www.morincorp.com.
    7. MS Metal Sales Manufacturing Corp; metalsales.us.com.
    8. Petersen Aluminum Corporation: www.pac-clad.com.
    9. Substitutions: See Section 01 25 00 - Substitution Procedures for requirements.

2.02 METAL WALL PANEL SYSTEM

A. Wall Panel System: Factory fabricated prefinished metal panel system, site assembled.
    1. Provide exterior wall panels, wall coping, trim.
    2. Movement: Accommodate movement within system without damage to components or deterioration of seals, movement between system and perimeter components when subject to seasonal temperature cycling; dynamic loading and release of loads; and deflection of structural support framing.
    3. Drainage: Provide positive drainage to exterior for moisture entering or condensation occurring within panel system.
    4. Fabrication: Formed true to shape, accurate in size, square, and free from distortion or defects; pieces of longest practical lengths.

B. Exterior Wall Panels:
    1. Material:
        a. Contractor's choice of the following:
            1) Coordinate sections 07 41 13 and 07 42 13. Match materials for roofing and siding.
            2) Steel Panels:
                (a) Zinc-coated steel complying with ASTM A653/A653M; minimum G60 galvanizing.
                (b) Steel Thickness: Minimum 24 gauge, 0.024 inch.
            3) Aluminum Panels:
                (a) Alloy and Temper: Aluminum complying with ASTM B209/B209M; temper as required for forming.
                (b) Thickness: Minimum 20 gauge, 0.032 inch.
    2. Hidden fasteners.
    3. Panel Depth: 1 inch to 1 1/2 inch.
    4. Profile: Provide panels without pencil ribs and without striations.
    5. Architectural Metal Panel A: Pac-Clad, Reveal Wall Panels.
        a. Alignment: Horizontal.
        b. Panel Width: 6-8 inches.
        c. Color: As selected by Architect from manufacturer's standard line.
    6. Architectural Metal Panel B & C: Pac-Clad, Flush Wall Panels.
        a. Alignment: Vertical.
        b. Panel Width: 12 inches.
        c. Color: Separate colors for B & C as selected by Architect from manufacturer's standard line.
    7. Substitutions: See Section 01 25 00 - Substitution Procedures for requirements.

C. Internal and External Corners: Same material, one gauge thicker, and finish as exterior sheets; profile to suit system; shop cut and factory mitered to required angles.

D. Trim, Closure Pieces, Caps, and Flashings: Same material, thickness and finish as exterior sheets; brake formed to required profiles.

2.03 WEATHER BARRIER

A. See requirements in 07 25 00.

2.04 FINISHES

A. Exposed Surface Finish: Panel manufacturer's standard polyvinylidene fluoride (PVDF) coating, top coat over epoxy primer.

2.05 ACCESSORIES

A. Exposed Sealant: Elastomeric; silicone, polyurethane, or silyl-terminated polyether/polyurethane.

B. Sealants: Manufacturer's standard type suitable for use with installation of system; non-staining.

C. Fasteners: Manufacturer's standard type to suit application; stainless steel.
    1. Metal-to-Metal Fasteners: Self-drilling, self-tapping screws.

D. Field Touch-up Paint: As recommended by panel manufacturer.

E. Bond Break Tape: Butyl type.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that building framing members are ready to receive panels.

B. Verify that weather barrier has been installed over substrate completely and correctly.

3.02 PREPARATION

A. At openings to be filled with frames having nailing flanges, wrap excess sheet into opening; at head, seal sheet over flange and flashing.

3.03 INSTALLATION

A. Install panels on walls in accordance with manufacturer's instructions.

B. Protect surfaces in contact with dissimilar metals with bituminous paint or butyl tape. Allow paint to dry prior to installation.

C. Fasten panels to structural supports; aligned, level, and plumb.

D. Use concealed fasteners unless otherwise indicated by Architect.

3.04 CLEANING

A. Remove site cuttings from finish surfaces.

B. Remove protective material from wall panel surfaces.

C. Clean and wash prefinished surfaces with mild soap and water; rinse with clean water.

END OF SECTION

SECTION 32 13 75

PAVEMENT JOINT SEALANTS

PART 1 GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.02 SUMMARY

A. Sealant for:
   1. Joints between cement concrete pavement and other construction.
   2. All construction joints.
   3. Saw cuts to be caulked if they are more than 1/3 the depth of the concrete thickness.

1.03 SUBMITTALS

A. Product Data: For each joint-sealant product indicated.

B. Qualification Data: For Installer.

C. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency, for sealants.

1.04 QUALITY ASSURANCE

A. Installer Qualifications: Trained and approved in writing by Manufacturer.

B. Source Limitations: Obtain each type of joint sealant through one source from a single Manufacturer.

C. Product Testing: Obtain test results for "Product Test Reports" Paragraph in "Submittals" Article from a qualified testing agency based on testing of current sealant products within a three (3) year period preceding the commencement of the Work.
   1. Testing Agency Qualifications: An independent testing agency qualified according to ASTM C 1021 for testing indicated, as documented according to ASTM E 548.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials to Project site in original unopened containers with labels indicating Manufacturer, product name and designation, color, expiration date, pot life, curing time, and mixing instructions for multi-component materials.

B. Store and handle materials to comply with Manufacturer's written instructions to prevent their deterioration or damage due to moisture, high or low temperatures, contaminants, or other causes.

1.06 PROJECT CONDITIONS

A. Do not proceed with installation of joint sealants under the following conditions:
   1. When ambient and substrate temperature conditions are outside limits permitted by joint-sealant manufacturer.
   2. When joint substrates are wet or covered with frost.
   3. Where joint widths are less than those allowed by joint-sealant manufacturer for applications indicated.
   4. Where contaminants capable of interfering with adhesion have not yet been removed from joint substrates.

PART 2 PRODUCTS

2.01 MATERIALS

A. Provide joint sealants, backing materials, and other related materials that are compatible with one another and with joint substrates under conditions of service and application indicated, as demonstrated by joint-sealant Manufacturer based on testing and field experience.

B. Joint Sealant: Single-component, low-modulus, neutral-curing, self-leveling silicone sealant complying with ASTM D 5893 for Type SL.
   1. Products: Subject to compliance with requirements, provide one of the following:
      a. Crafco Inc.; RoadSaver Silicone SL.
      b. Dow Corning Corporation; 890-SL.
      c. Approved Substitute

C. Joint-Sealant Backer: Non-staining; compatible with joint substrates, sealants, primers, and other joint fillers and approved for applications indicated by joint-sealant Manufacturer based on field experience and laboratory testing.

D. ASTM D 5249, Type 3, of diameter and density required to control sealant-depth and to prevent bottom-side adhesion of sealant.

PART 3 EXECUTION

3.01 EXAMINATION

A. Examine joints indicated to receive joint sealants for compliance with Manufacturer's requirements for joint configuration, installation tolerances, and other conditions affecting joint-sealant performance.
   1. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 PREPARATION

A. Surface Cleaning of Joints: Clean out joints immediately before installing joint sealants to comply with joint-sealant manufacturer's written instructions.

3.03 INSTALLATION OF JOINT SEALANTS

A. Comply with joint-sealant Manufacturer's written installation instructions for products and applications indicated, unless more stringent requirements apply.

B. Sealant Installation Standard: Comply with recommendations in ASTM C 1193 for use of joint sealants as applicable to materials, applications, and conditions indicated.

C. Install backer materials of type indicated to support sealants during application and at position required to produce cross-sectional shapes and depths of installed sealants relative to joint widths that allow optimum sealant movement capability.
   1. Do not leave gaps between ends of backer materials.
   2. Do not stretch, twist, puncture, or tear backer materials.
   3. Remove absorbent backer materials that have become wet before sealant application and replace them with dry materials.

D. Install sealants using proven techniques that comply with the following and at the same time backings are installed:
   1. Place sealants, so they directly contact and fully wet joint substrates.
   2. Completely fill recesses provided for each joint configuration.
   3. Produce uniform, cross-sectional shapes and depths relative to joint widths that allow optimum sealant movement capability.
   4. Provide recessed joint configuration to comply with joint-sealant Manufacturer's written instructions, unless otherwise indicated.

3.04 CLEANING

A. Clean off excess sealants or sealant smears adjacent to joints as the Work progresses by methods and with cleaning materials approved by Manufacturers of joint sealants and of products in which joints occur.

3.05 PROTECTION

A. Protect joint sealants during and after curing period from contact with contaminating substances and from damage so sealants are without deterioration or damage at time of

Substantial Completion. Cut out and remove damaged or deteriorated joint sealants. Install new joint sealant so repairs are indistinguishable from original work.

END OF DOCUMENT 32 13 75

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SECTION 33 11 00

WATER DISTRIBUTION

PART 1 - GENERAL

1.1 Work Included

A. Connection to existing water at location shown on plans.

B. Water Laterals and appurtenances.

1.2 REFERENCE

A. Standard Specifications for Sewer and Water Construction in Wisconsin, 6th Edition, Public Works Industry Improvement Program, 2835 North Mayfair Road, Milwaukee, WI 53227.

B. AWWA - American Water Works Association Standards.

C. ASTM D1785.

PART 2 – PRODUCTS

2.1 Water Lateral Pipe Material

A. Polyvinyl Chloride Service
Polyvinyl Chloride (PVC) pipe Class 150, DR18 conforming to AWWA-C900 and in compliance with the requirements of Chapter 4.6.0 of Standard Specifications for Sewer and Water Construction.

B. Ductile Iron Service
Ductile iron water pipe, class 50 meeting the requirements of Chapter 8.18.0 of the Standard Specifications.

C. Copper water Service
Type K, soft copper tubing meeting the requirements of ASTM B88.

D. HDPE Water Service
HDPE high density polyethylene tubing conforming to the Wisconsin Department of Commerce Administrative Code Section 84.30(4) (e).

2.2 Water Service Fittings

A. Corporation Stops
Corporation stops shall be Ford, FB-1001. Fittings furnished under these specifications shall conform to ANSI/AWWA C800-01.

B. Tapping Saddles
Tapping saddles used with ductile iron pipe shall be Smith Blair, type 313 double strap, with AWWA taper (cc or cs) thread, or equal. For PVC pipe, when specified, the tapping saddle shall be Smith Blair, type 317 or equal. Fittings furnished under these specifications shall conform to ANSI/AWWA C800-01.

C. Curb Stops
Curb stops shall be McDonald 4701-T or equivalent, and shall be furnished with a stationary rod of compatible design, made by the same manufacturer as the curb stop.

D. Unions
Unions shall be 3-piece brass, with compression connections having a positive indicator to avoid over-tightening.

Unions shall be Mueller H-15403, or approved equal.

E. U-Branch, Wyes, Etc.
U-branch, wye and other fittings shall be brass, with compression connections having a positive indicator to avoid over-tightening. Fittings shall be produced specifically for water supply applications.

Mueller or approved equal.

2.3 Water Main Fittings

A. Water main fittings shall be push-on or mechanical joint (mechanical joint to have restrained joints are required) and shall meet requirements of Chapter 8.22.0 of the Standard Specifications for Sewer and Water Construction.

B. Compact style fittings per AWWA C153 are acceptable.

C. Cement lined per AWWA C104.

D. All fittings shall be fastened with fluorocarbon coated T-head bolts, Corblue or equal.

2.4 Hydrants

A. All fire hydrants shall fully comply with the latest revisions of AWWA C502 in addition to the following specifications. All hydrants shall be of the traffic model design consisting of a safety flange and a safety sleeve coupling. The design shall permit rotation of the upper barrel to position the nozzle in any direction. The nozzle placement shall not be restricted by bolt hole placement. The hydrants shall be designed for 150 pounds working pressure and tested to 300 pounds hydrostatic pressure test. All hydrants shall be of compression type main valve closing with the line pressure. Hydrants drain holes must be tapped and plugged at the factory. All working parts shall be bronze. The inlet connection shall be 6-inch mechanical joint complete with accessories including gland, gaskets, nuts, and bolts.

B. The hydrants shall have two 2½-inch hose nozzles with National Standard threads. Hydrants shall have one 4¼-inch pumper nozzle with National Standard threads. The operating nut shall be 1½-inch pentagon shaped and shall open left (counter clockwise). The hose nozzle caps shall be 1½-inch pentagon shaped with chains. The main valve and seating shall be removable through the upper barrel from above ground without disassembling at the ground line flanges. The main valve opening shall be 5¼-inch in size. The stem threads shall be lubricated by removal of a screw located in the operation nut. The stuffing box shall have o-rings for seals.

C. Hydrants shall be as manufactured by Waterous (model WB67 – Pacer). Hydrant color to be chosen by the owner. The depth of cover shall be 8.5 feet or as specified. Hydrant breakaway flange shall be located 3-4 inches above proposed finished grade.

D. Each hydrant shall be fitted with a “Hydrafinder” fire hydrant marking device, 5-foot length, as manufactured by RoDon Corporation of St. Charles, IL (800-858-5516).

E. Hydrants shall include tags on the upper flange indicating the bury depth, plugged drain hole, and extension height (if so equipped).

2.5 Gate Valves

A. Gate valves shall be a Waterous, or equivalent, mechanical joint, cast iron body, epoxy coated, resilient seal, bronze mounted with bronze non-rising stems, having “O” ring seals, opening left and tested at 200 psi working pressure. Valves shall be supported in a vertical position on a solid concrete block or concrete support.

B. Gate valves shall meet the requirements of Chapter 8.27.0 of Standard Specifications for Sewer and Water Construction.

C. Epoxy lined per AWWA C550.

2.6 Cast Iron Valve Boxes

A. Valve boxes shall be Mueller H-10357 or equal with a no tilt drop cover marked “Water” and of the length required for the depth of cover shown on the plans. Valve boxes shall be supported on gate valve adaptors as manufactured by Adaptor, Inc. or approved equal.

B. Cast iron valve boxes shall meet requirements of Chapter 8.29.0 of the Standard Specifications for Sewer and Water Construction. CONTRACTOR will furnish extension if required to meet existing surface or finished grades.

2.7 Concrete Buttresses

A. Ready-mixed concrete shall be used.

B. Concrete shall have following characteristics:

Buttresses	
28 day Compressive Strength	2000
Maximum Slump	5”
Air-Entertainment by Volume	4%-7%
Minimum Cement Content	4 bags
Maximum Aggregate	3/4”

2.8 Detectable Pipe Warning Wire for Non-Metallic Pipe

A. 14 gauge wire with 0.015” thick vinyl insulation.

B. Moisture, oil and gasoline resistant.

C. Splices either solder or brass clamp wrapped with electrical tape or shrink wrapped.

2.9 Tapping Valve and Sleeve

A. Tapping sleeve shall be stainless steel and shall be approved by the Municipality.

B. The valve shall open counter clockwise and shall be approved by the Municipality prior to installation.

PART 3 – EXECUTION

3.1 Connection to Existing System

A. CONTRACTOR shall coordinate with the Municipality prior to filling new watermain.

B. Disinfect and test new main in accordance with Part IV of the Standard Specification for Sewer and Water Construction.

3.2 Connection to Existing Water

A. Connection of new water to existing shall meet the requirements of Chapter 4.14.0 of Standard specifications. Connection or tap method shall be approved by the Municipality prior to installation

3.3 Gate Valve and Valve Box Installation

A. Provide sufficient quantities of crushed stone or rock conforming to the requirements of ASTM C33, Gradation No. 2 over and around the valve to prevent sand blockages of valve bonnet and box.

3.4 Pipe Restraint

A. Concrete buttresses shall meet requirements of Article 4.3.13 of Standard Specification for Sewer and Water Construction, except as modified herein. Water main joints shall be kept free of concrete.

3.5 Trench Length

A. Trench shall be backfilled every day. No open trench will be allowed to remain open overnight. Backfill material shall be installed to shed water.

3.6 Hydrostatic Test

A. Test watermain, including valves, in accordance with Section 4.15.0 of the Standard Specifications.

3.7 Detectable Warning Wire

A. Install warning wire above pipe for all non-metallic pipe installations.

3.8 Separation From Sewers

A. When water mains cross over sewers, provide a minimum of 12 inches from the bottom of the water main to the top of the sewer.

B. When water mains cross under sewers, provide a minimum of 18 inches from the top of the water main to the bottom of the sewer.

END OF DOCUMENT 33 11 00

WESTERN TECHNICAL COLLEGE
SPARTA PUBLIC SAFETY TRAINING SIM CITY
11177 COUNTY HWY A
SPARTA, WISCONSIN

HSR #25039 **FEBRUARY 2026** **BID SET**

INDEX OF DRAWINGS

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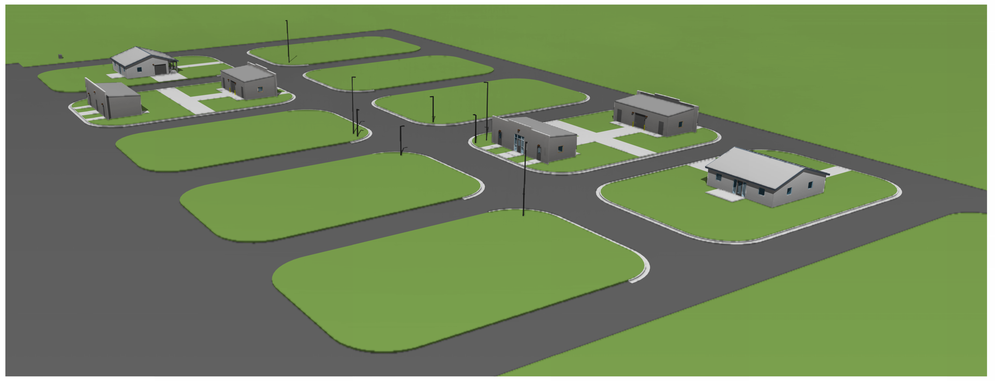

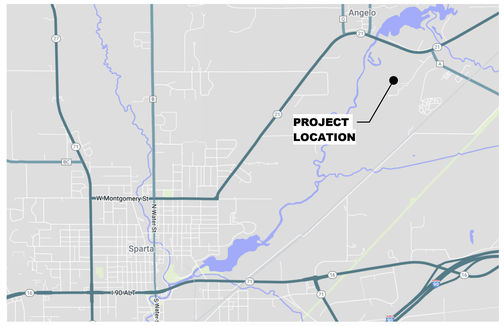

CITY MAP

SITE LOCATION MAP

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Consultant:

Project Title: WESTERN TECHNICAL COLLEGE
SPARTA PUBLIC SAFETY TRAINING SIM CITY

Project Location: 11177 COUNTY HWY A
SPARTA, WISCONSIN

Sheet Title: COVER SHEET

HSR Project Number: 25039-1

Project Date: FEBRUARY 2026

Drawn By: HSR

Key Plan:

BID SET

Revisions:

No.	Description	Date
A02	ADDENDUM 2	03-13-2026

Graphic Scale: VARIES

Last Update: 3/16/2026 7:43:01 AM

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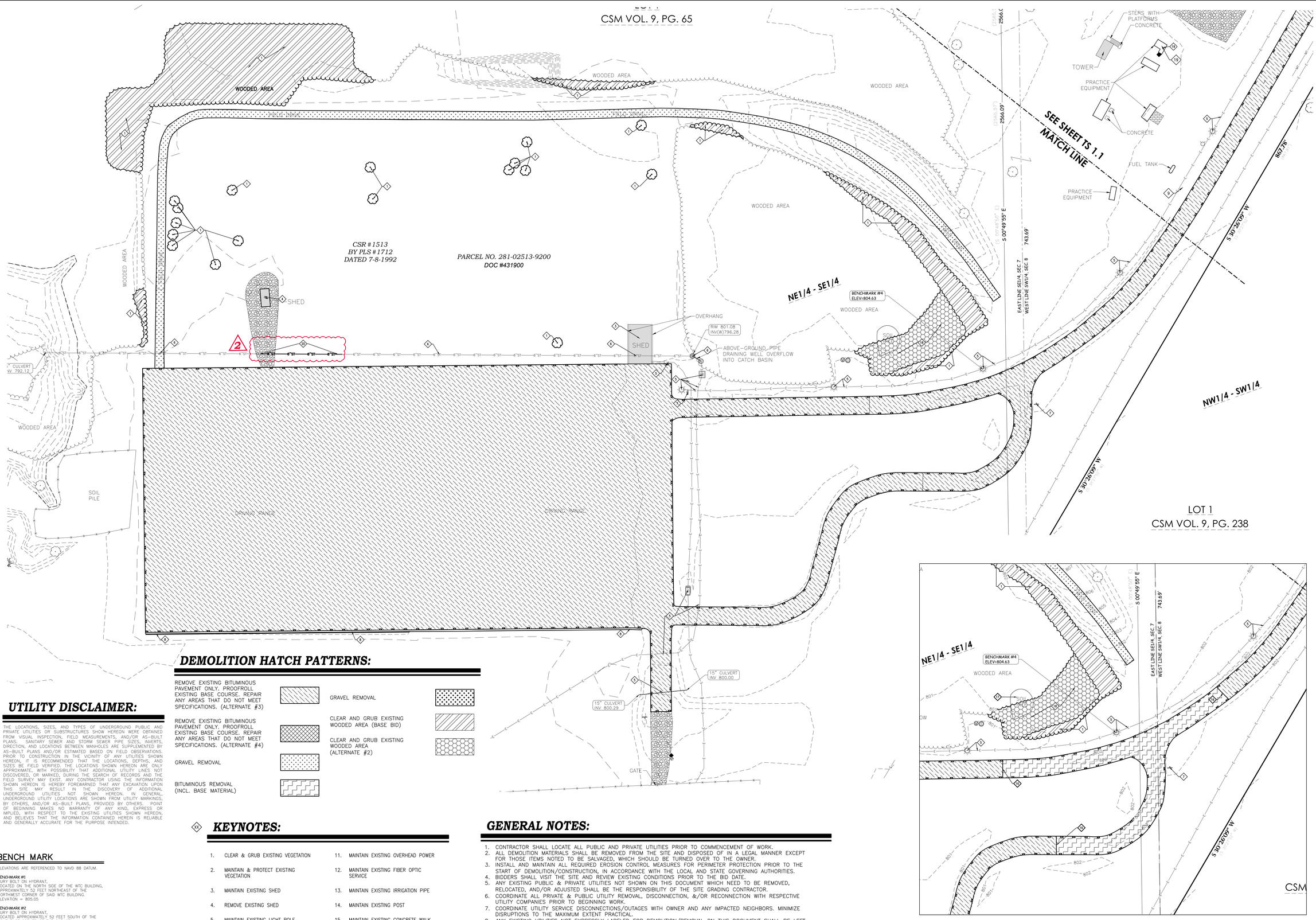

ASPHALT ROUNDABOUT DEMOLITION
ALT. #2 (SEE BID FORM)

1/C100

DEMOLITION HATCH PATTERNS:

- REMOVE EXISTING BITUMINOUS PAVEMENT ONLY. PROOFROLL EXISTING BASE COURSE. REPAIR ANY AREAS THAT DO NOT MEET SPECIFICATIONS. (ALTERNATE #3)
- REMOVE EXISTING BITUMINOUS PAVEMENT ONLY. PROOFROLL EXISTING BASE COURSE. REPAIR ANY AREAS THAT DO NOT MEET SPECIFICATIONS. (ALTERNATE #4)
- GRAVEL REMOVAL
- BITUMINOUS REMOVAL (INCL. BASE MATERIAL)
- GRAVEL REMOVAL
- CLEAR AND GRUB EXISTING WOODED AREA (BASE BID)
- CLEAR AND GRUB EXISTING WOODED AREA (ALTERNATE #2)

KEYNOTES:

1. CLEAR & GRUB EXISTING VEGETATION
2. MAINTAIN & PROTECT EXISTING VEGETATION
3. MAINTAIN EXISTING SHED
4. REMOVE EXISTING SHED
5. MAINTAIN EXISTING LIGHT POLE, ELECTRICAL SERVICE, VAULT
6. MAINTAIN EXISTING STORM SEWER PIPE AND/OR MANHOLE
7. MAINTAIN EXISTING SIGN
8. REMOVE EXISTING CONCRETE CURB (IF ALTERNATE #3 IS NOT ACCEPTED, CURB TO REMAIN)
9. MAINTAIN EXISTING HYDRANT
10. MAINTAIN EXISTING TELEPHONE SERVICE
11. MAINTAIN EXISTING OVERHEAD POWER
12. MAINTAIN EXISTING FIBER OPTIC SERVICE
13. MAINTAIN EXISTING IRRIGATION PIPE
14. MAINTAIN EXISTING POST
15. MAINTAIN EXISTING CONCRETE WALK
16. SAWCUT EXISTING ASPHALT PAVEMENT
17. REMOVE EXISTING SOIL PILE. COORDINATE RELOCATION LOCATION WITH OWNER.
18. CLEAR & GRUB EXISTING VEGETATION (ALTERNATE #2)
19. EXISTING PRACTICE EQUIPMENT TO BE REMOVED BY OWNER
20. REMOVE EXISTING STORM PIPE

GENERAL NOTES:

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. ALL DEMOLITION MATERIALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER EXCEPT FOR THOSE ITEMS NOTED TO BE SALVAGED, WHICH SHOULD BE TURNED OVER TO THE OWNER.
3. INSTALL AND MAINTAIN ALL REQUIRED EROSION CONTROL MEASURES FOR PERIMETER PROTECTION PRIOR TO THE START OF DEMOLITION/CONSTRUCTION, IN ACCORDANCE WITH THE LOCAL AND STATE GOVERNING AUTHORITIES.
4. BIDDERS SHALL VISIT THE SITE AND REVIEW EXISTING CONDITIONS PRIOR TO THE BID DATE.
5. ANY EXISTING PUBLIC & PRIVATE UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED, AND/OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR.
6. COORDINATE ALL PRIVATE & PUBLIC UTILITY REMOVAL, DISCONNECTION, &/OR RECONNECTION WITH RESPECTIVE UTILITY COMPANIES PRIOR TO BEGINNING WORK.
7. COORDINATE UTILITY SERVICE DISCONNECTIONS/OUTAGES WITH OWNER AND ANY IMPACTED NEIGHBORS. MINIMIZE DISRUPTIONS TO THE MAXIMUM EXTENT PRACTICAL.
8. ANY EXISTING UTILITIES NOT EXPRESSLY LABELED FOR DEMOLITION/REMOVAL ON THIS DOCUMENT SHALL BE LEFT IN PLACE AND IN THEIR CURRENT STATE OF OPERATION. CONTACT ENGINEER WHEREVER CLARIFICATION IS NEEDED.
9. STRIP TOPSOIL WITHIN THE PROJECT LIMITS IN ACCORDANCE WITH THE PROJECT MANUAL SPECIFICATIONS.
10. IF STRIPPED TOPSOIL IS STOCKPILED ON SITE, SILT FENCE SHALL BE INSTALLED AROUND THE BASE OF THE STOCKPILE TO PREVENT SEDIMENT TRANSPORT.
11. PRIOR TO PERFORMING WORK WITHIN PUBLIC RIGHT OF WAYS, NOTIFY AND COORDINATE WORK WITH THE LOCAL MUNICIPALITY.

UTILITY DISCLAIMER:

THE LOCATIONS, SIZES, AND TYPES OF UNDERGROUND PUBLIC AND PRIVATE UTILITIES OR SUBSTRUCTURES SHOW HEREON WERE OBTAINED FROM VISUAL INSPECTION, FIELD MEASUREMENTS, AND/OR AS-BUILT PLANS. SANITARY SEWER AND STORM SEWER PIPE SIZES, INVERTS, DIRECTION, AND LOCATIONS BETWEEN MANHOLES ARE SUPPLEMENTED BY AS-BUILT PLANS AND/OR ESTIMATED BASED ON FIELD OBSERVATIONS. PRIOR TO CONSTRUCTION IN THE VICINITY OF ANY UTILITIES SHOWN HEREON, IT IS RECOMMENDED THAT THE LOCATIONS, DEPTHS, AND SIZES BE FIELD VERIFIED. THE LOCATIONS SHOWN HEREON ARE ONLY APPROXIMATE, WITH POSSIBILITY THAT ADDITIONAL UTILITY LINES NOT DISCOVERED, OR MARKED, DURING THE SEARCH OF RECORDS AND THE FIELD SURVEY MAY EXIST. ANY CONTRACTOR USING THE INFORMATION SHOWN HEREON IS HEREBY FOREWARNED THAT ANY EXCAVATION UPON THIS SITE MAY RESULT IN THE DISCOVERY OF ADDITIONAL UNDERGROUND UTILITIES NOT SHOWN HEREON. IN GENERAL, UNDERGROUND UTILITY LOCATIONS ARE SHOWN FROM UTILITY MARKINGS, BY OTHERS, AND/OR AS-BUILT PLANS, PROVIDED BY OTHERS. POINT OF BEGINNING MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE EXISTING UTILITIES SHOWN HEREON, AND BELIEVES THAT THE INFORMATION CONTAINED HEREIN IS RELIABLE AND GENERALLY ACCURATE FOR THE PURPOSE INTENDED.

BENCH MARK

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1
BURY BOLT ON HYDRANT,
LOCATED ON THE NORTH SIDE OF THE WTC BUILDING, APPROXIMATELY 52 FEET NORTHEAST OF THE NORTHWEST CORNER OF SAID WTC BUILDING.
ELEVATION = 805.05

BENCHMARK #2
BURY BOLT ON HYDRANT,
LOCATED APPROXIMATELY 52 FEET SOUTH OF THE SOUTHEAST CORNER OF THE GARAGE.
ELEVATION = 804.53

BENCHMARK #3
BURY BOLT ON HYDRANT,
LOCATED APPROXIMATELY 30 FEET NORTH OF THE NORTH EDGE OF THE IRRIGATION SHED.
ELEVATION = 804.67

BENCHMARK #4
CUT SQUARE ON SOUTH SIDE OF LIGHT POLE BASE,
LOCATED ON THE NORTH SIDE OF THE ASPHALT DRIVE LEADING TO THE DRIVING RANGE, APPROXIMATELY 355 FEET EAST OF THE EAST EDGE OF THE DRIVING RANGE.
ELEVATION = 804.63

0' 40' 80'
1" = 40'

N

HSR ASSOCIATES INC.
100 MILWAUKEE STREET
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Project Title: WTC SPARTA PUBLIC SAFETY TRAINING SIM CITY

Project Location: 11177 COUNTY HIGHWAY A
SPARTA, WI 54656

Sheet Title: DEMOLITION PLAN-SOUTH

HSR Project Number: 25039-1

Project Date: FEBRUARY 2026

Drawn By: POB

Key Plan:

BID SET

Revisions:

No.	Description	Date
2	ADDENDUM 02	03/13/2026

Graphic Scale: VARIES

Last Update:

C100

BENCH MARK

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1
BURY BOLT ON HYDRANT,
LOCATED ON THE NORTH SIDE OF THE WTC BUILDING, APPROXIMATELY 52 FEET NORTHEAST OF THE NORTHWEST CORNER OF SAID WTC BUILDING.
ELEVATION = 805.05

BENCHMARK #2
BURY BOLT ON HYDRANT,
LOCATED APPROXIMATELY 52 FEET SOUTH OF THE SOUTHEAST CORNER OF THE GARAGE.
ELEVATION = 804.53

BENCHMARK #3
BURY BOLT ON HYDRANT,
LOCATED APPROXIMATELY 30 FEET NORTH OF THE NORTH EDGE OF THE IRRIGATION SHED.
ELEVATION = 804.67

BENCHMARK #4
CUT SQUARE ON SOUTH SIDE OF LIGHT POLE BASE, LOCATED ON THE NORTH SIDE OF THE ASPHALT DRIVE LEADING TO THE DRIVING RANGE, APPROXIMATELY 355 FEET EAST OF THE EAST EDGE OF THE DRIVING RANGE.
ELEVATION = 804.63

UTILITY DISCLAIMER:

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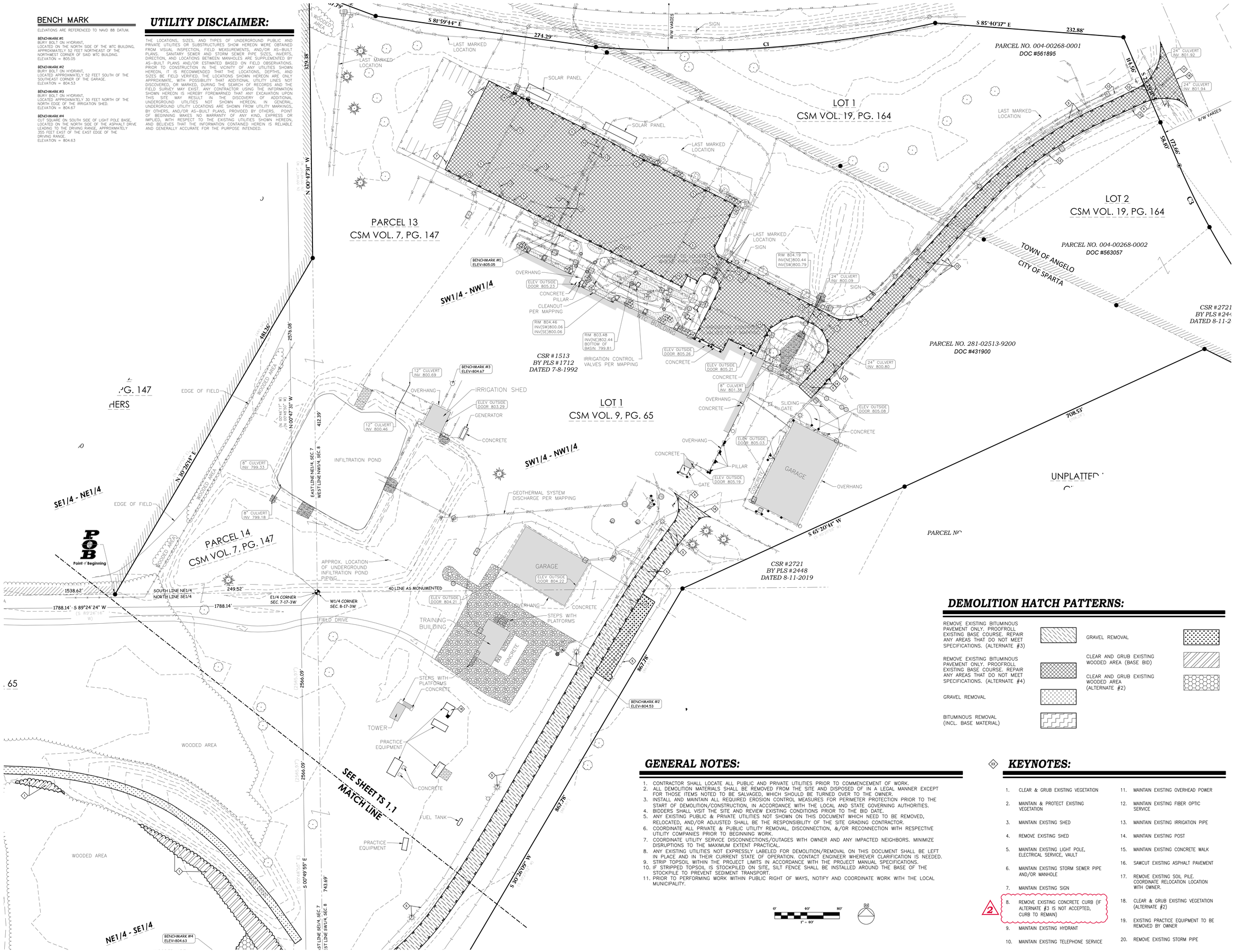

DEMOLITION HATCH PATTERNS:

REMOVE EXISTING BITUMINOUS PAVEMENT ONLY. PROOFROLL EXISTING BASE COURSE. REPAIR ANY AREAS THAT DO NOT MEET SPECIFICATIONS. (ALTERNATE #3)

REMOVE EXISTING BITUMINOUS PAVEMENT ONLY. PROOFROLL EXISTING BASE COURSE. REPAIR ANY AREAS THAT DO NOT MEET SPECIFICATIONS. (ALTERNATE #4)

GRAVEL REMOVAL

BITUMINOUS REMOVAL (INCL. BASE MATERIAL)

GRAVEL REMOVAL

CLEAR AND GRUB EXISTING WOODED AREA (BASE BID)

CLEAR AND GRUB EXISTING WOODED AREA (ALTERNATE #2)

GENERAL NOTES:

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. ALL DEMOLITION MATERIALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER EXCEPT FOR THOSE ITEMS NOTED TO BE SALVAGED, WHICH SHOULD BE TURNED OVER TO THE OWNER.
3. INSTALL AND MAINTAIN ALL REQUIRED EROSION CONTROL MEASURES FOR PERIMETER PROTECTION PRIOR TO THE START OF DEMOLITION/CONSTRUCTION, IN ACCORDANCE WITH THE LOCAL AND STATE GOVERNING AUTHORITIES.
4. BIDDERS SHALL VISIT THE SITE AND REVIEW EXISTING CONDITIONS PRIOR TO THE BID DATE.
5. ANY EXISTING PUBLIC & PRIVATE UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED, AND/OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR.
6. COORDINATE ALL PRIVATE & PUBLIC UTILITY REMOVAL, DISCONNECTION, &/OR RECONNECTION WITH RESPECTIVE UTILITY COMPANIES PRIOR TO BEGINNING WORK.
7. COORDINATE UTILITY SERVICE DISCONNECTIONS/OUTAGES WITH OWNER AND ANY IMPACTED NEIGHBORS. MINIMIZE DISRUPTIONS TO THE MAXIMUM EXTENT PRACTICAL.
8. ANY EXISTING UTILITIES NOT EXPRESSLY LABELED FOR DEMOLITION/REMOVAL ON THIS DOCUMENT SHALL BE LEFT IN PLACE AND IN THEIR CURRENT STATE OF OPERATION. CONTACT ENGINEER WHEREVER CLARIFICATION IS NEEDED.
9. STRIP TOPSOIL WITHIN THE PROJECT LIMITS IN ACCORDANCE WITH THE PROJECT MANUAL SPECIFICATIONS.
10. IF STRIPPED TOPSOIL IS STOCKPILED ON SITE, SILT FENCE SHALL BE INSTALLED AROUND THE BASE OF THE STOCKPILE TO PREVENT SEDIMENT TRANSPORT.
11. PRIOR TO PERFORMING WORK WITHIN PUBLIC RIGHT OF WAYS, NOTIFY AND COORDINATE WORK WITH THE LOCAL MUNICIPALITY.

0' 40' 80'
1" = 40'

KEYNOTES:

1. CLEAR & GRUB EXISTING VEGETATION
2. MAINTAIN & PROTECT EXISTING VEGETATION
3. MAINTAIN EXISTING SHED
4. REMOVE EXISTING SHED
5. MAINTAIN EXISTING LIGHT POLE, ELECTRICAL SERVICE, VAULT
6. MAINTAIN EXISTING STORM SEWER PIPE AND/OR MANHOLE
7. MAINTAIN EXISTING SIGN
8. REMOVE EXISTING CONCRETE CURB (IF ALTERNATE #3 IS NOT ACCEPTED, CURB TO REMAIN)
9. MAINTAIN EXISTING HYDRANT
10. MAINTAIN EXISTING TELEPHONE SERVICE
11. MAINTAIN EXISTING OVERHEAD POWER
12. MAINTAIN EXISTING FIBER OPTIC SERVICE
13. MAINTAIN EXISTING IRRIGATION PIPE
14. MAINTAIN EXISTING POST
15. MAINTAIN EXISTING CONCRETE WALK
16. SAWCUT EXISTING ASPHALT PAVEMENT
17. REMOVE EXISTING SOIL PILE. COORDINATE RELOCATION LOCATION WITH OWNER.
18. CLEAR & GRUB EXISTING VEGETATION (ALTERNATE #2)
19. EXISTING PRACTICE EQUIPMENT TO BE REMOVED BY OWNER
20. REMOVE EXISTING STORM PIPE

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Project Title: **WTC SPARTA PUBLIC SAFETY TRAINING SIM CITY**

Project Location: 11177 COUNTY HIGHWAY A
SPARTA, WI 54656

Sheet Title: **DEMOLITION PLAN-NORTH**

HSR Project Number: **25039-1**

Project Date: **FEBRUARY 2026**

Drawn By: **POB**

Key Plan:

BID SET

Revisions:

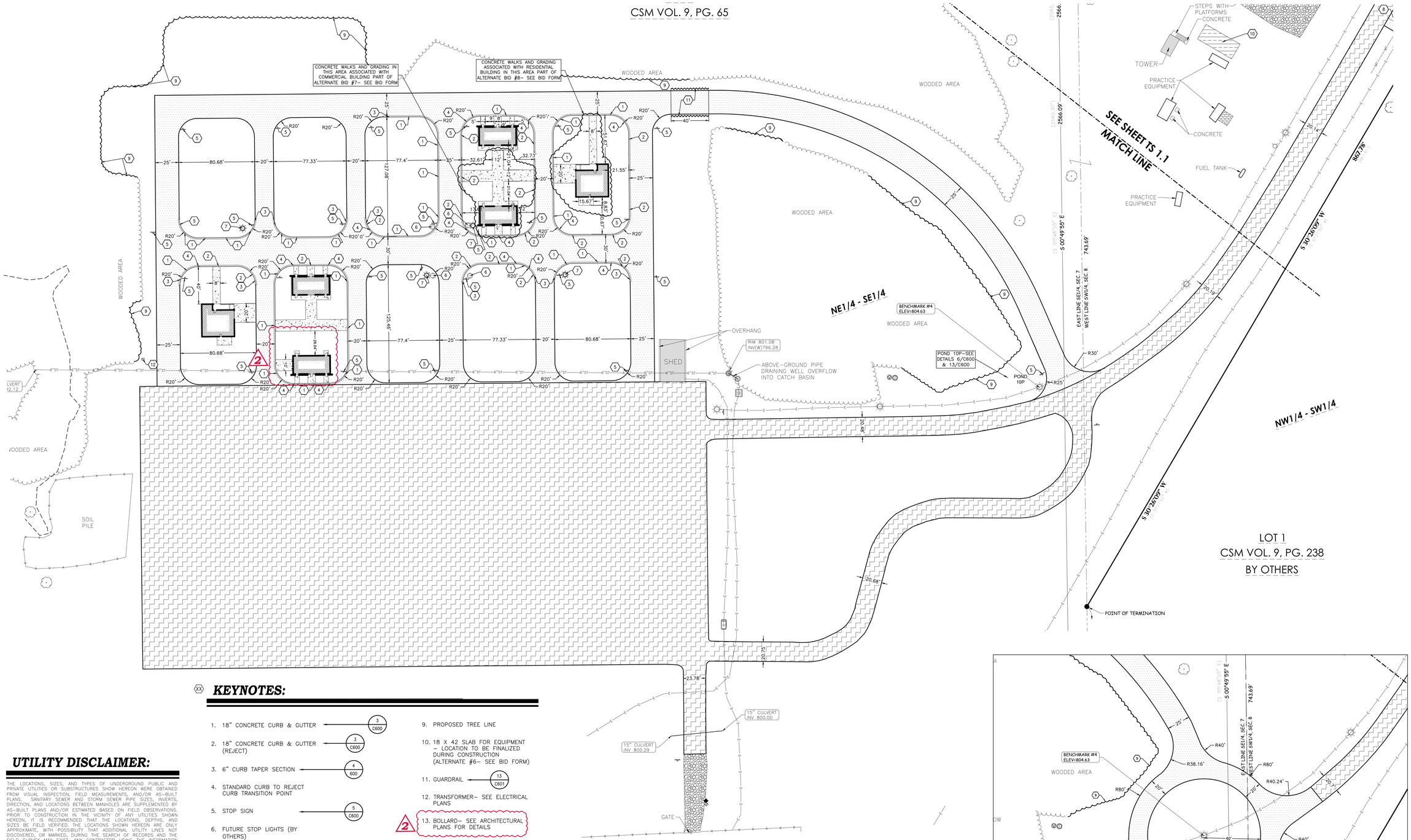
No.	Description	Date
2	ADDENDUM 02	03/13/2026

Graphic Scale: **VARIES**

Last Update:

C101

CSM VOL. 9, PG. 65



KEYNOTES:

1. 18" CONCRETE CURB & GUTTER — 3 / C600
2. 18" CONCRETE CURB & GUTTER (REJECT) — 3 / C600
3. 6" CURB TAPER SECTION — 4 / 600
4. STANDARD CURB TO REJECT CURB TRANSITION POINT
5. STOP SIGN — 5 / C600
6. FUTURE STOP LIGHTS (BY OTHERS)
7. LIGHT POLE (SEE ELECTRICAL PLANS)
8. PARKING LOT STRIPING — 8 / C600
9. PROPOSED TREE LINE
10. 18 X 42 SLAB FOR EQUIPMENT – LOCATION TO BE FINALIZED DURING CONSTRUCTION (ALTERNATE #6– SEE BID FORM)
11. GUARDRAIL — 13 / C601
12. TRANSFORMER– SEE ELECTRICAL PLANS
13. BOLLARD– SEE ARCHITECTURAL PLANS FOR DETAILS

UTILITY DISCLAIMER:

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BENCH MARK

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1
BURY BOLT ON HYDRANT,
LOCATED ON THE NORTH SIDE OF THE WTC BUILDING, APPROXIMATELY 52 FEET NORTHEAST OF THE NORTHWEST CORNER OF SAID WTC BUILDING.
ELEVATION = 805.05

BENCHMARK #2
BURY BOLT ON HYDRANT,
LOCATED APPROXIMATELY 52 FEET SOUTH OF THE SOUTHEAST CORNER OF THE GARAGE.
ELEVATION = 804.53

BENCHMARK #3
BURY BOLT ON HYDRANT,
LOCATED APPROXIMATELY 30 FEET NORTH OF THE NORTH EDGE OF THE IRRIGATION SHED.
ELEVATION = 804.67

BENCHMARK #4
CUT SQUARE ON SOUTH SIDE OF LIGHT POLE BASE, LOCATED ON THE NORTH SIDE OF THE ASPHALT DRIVE LEADING TO THE DRIVING RANGE, APPROXIMATELY 355 FEET EAST OF THE EAST EDGE OF THE DRIVING RANGE.
ELEVATION = 804.63

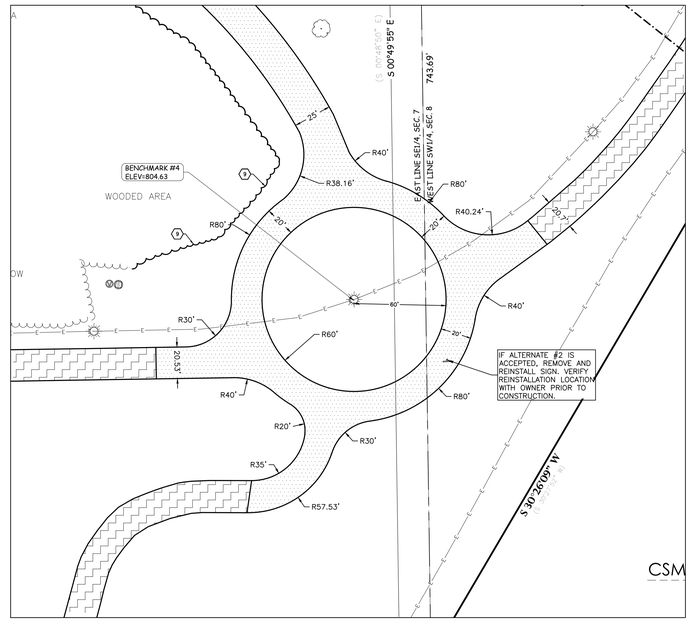
0' 40' 80'
1" = 40'

PAVEMENT HATCH PATTERNS:

- PROPOSED STANDARD ASPHALT PAVEMENT — 1 / C600
- PROPOSED STANDARD CONCRETE PAVEMENT — 2 / C600
- PROPOSED 3.5" ASPHALTIC CONCRETE PAVEMENT W/EXISTING BASE COURSE TO REMAIN, REPAIR AS NEEDED. ADD WISDOT 1–1/4" DENSE GRADE BASE COURSE AS NEEDED TO ACHIEVE FINISH GRADE ELEVATION, SEE SHEET C300 (ALTERNATE #3)
- PROPOSED 3.5" ASPHALTIC CONCRETE PAVEMENT W/EXISTING BASE COURSE TO REMAIN, REPAIR AS NEEDED (ALTERNATE #4)
- REINFORCED CONCRETE SLAB (ALTERNATE #6) — 2 / C600

GENERAL NOTES:

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. GRADE, LINE, AND LEVEL TO BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
3. ALL REQUIRED EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH LOCAL MUNICIPAL AND DEPARTMENT OF NATURAL RESOURCES REGULATIONS.
4. SEE SHEET C400 AND C401 FOR ALL REQUIRED EROSION CONTROL ELEMENTS.
5. ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED AND OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR.
6. VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
7. BIDDERS SHALL VISIT THE SITE AND REVIEW EXISTING CONDITIONS PRIOR TO THE BID DATE.
8. PRIOR TO STARTING WORK, VERIFY WITH THE LOCAL AUTHORITIES THAT ALL REQUIRED PERMITS HAVE BEEN ACQUIRED.
9. COORDINATE CONSTRUCTION IN THE RIGHT OF WAY WITH THE LOCAL AUTHORITIES.
10. PROVIDE PROPER BARRICADES, SIGNS, AND TRAFFIC CONTROL TO MAINTAIN THRU TRAFFIC ALONG ADJACENT STREETS IN ACCORDANCE WITH LOCAL MUNICIPAL REQUIREMENTS.
11. SIDEWALK JOINTS SHALL BE INSTALLED AS INDICATED OR AS APPROVED BY THE CONSTRUCTION MANAGER.
12. ALL GENERAL LANDSCAPE AREAS SHALL BE SEEDED, FERTILIZED, AND CRIMP HAY MULCHED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
13. CAULK CONCRETE JOINTS PER SPECIFICATIONS.



ASPHALT ROUNDABOUT LAYOUT
ALT. #2 (SEE BID FORM) — 1 / C200

ARCHITECTURE ENGINEERING INTERIOR DESIGN

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Project Title: WTC SPARTA PUBLIC SAFETY TRAINING SIM CITY

Project Location: 11177 COUNTY HIGHWAY A
SPARTA, WI 54656

Sheet Title: LAYOUT PLAN-SOUTH

HSR Project Number: 25039-1

Project Date: FEBRUARY 2026

Drawn By: POB

Key Plan:

BID SET

Revisions:

No.	Description	Date
2	ADDENDUM 02	03/13/2026

Graphic Scale: VARIES

Last Update:

C200

BENCH MARK

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1
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BENCHMARK #3
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ELEVATION = 804.67

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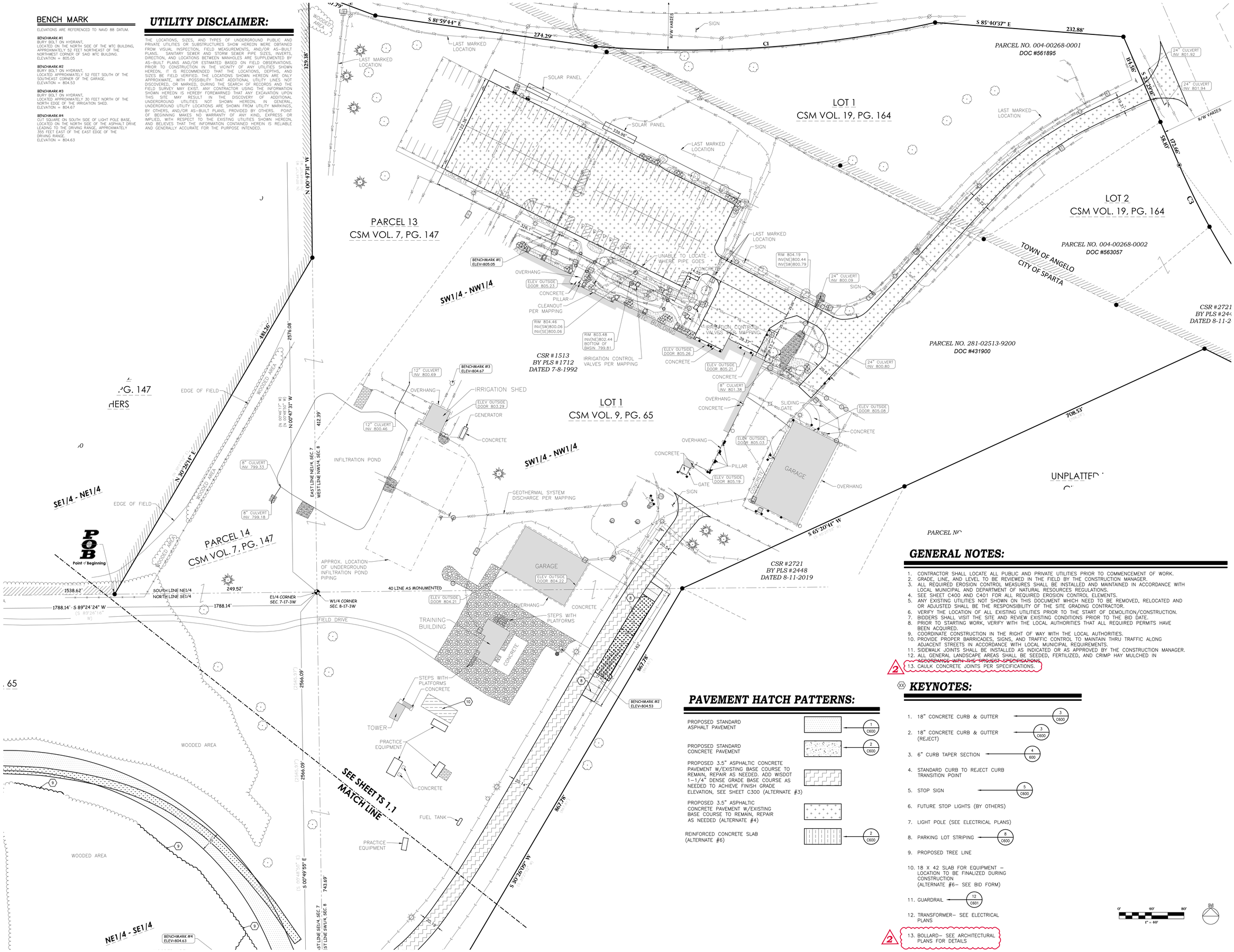

PAVEMENT HATCH PATTERNS:

PROPOSED STANDARD ASPHALT PAVEMENT	1 / C600
PROPOSED STANDARD CONCRETE PAVEMENT	2 / C600
PROPOSED 3.5" ASPHALTIC CONCRETE PAVEMENT W/EXISTING BASE COURSE TO REMAIN, REPAIR AS NEEDED. ADD WISDOT 1-1/4" DENSE GRADE BASE COURSE AS NEEDED TO ACHIEVE FINISH GRADE ELEVATION, SEE SHEET C300 (ALTERNATE #3)	
PROPOSED 3.5" ASPHALTIC CONCRETE PAVEMENT W/EXISTING BASE COURSE TO REMAIN, REPAIR AS NEEDED (ALTERNATE #4)	
REINFORCED CONCRETE SLAB (ALTERNATE #6)	2 / C600

GENERAL NOTES:

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4. SEE SHEET C400 AND C401 FOR ALL REQUIRED EROSION CONTROL ELEMENTS.
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12. ALL GENERAL LANDSCAPE AREAS SHALL BE SEEDED, FERTILIZED, AND CRIMP HAY MULCHED IN ~~ACCORDANCE WITH THE PROJECT SPECIFICATIONS~~
13. CAULK CONCRETE JOINTS PER SPECIFICATIONS.

KEYNOTES:

1. 18" CONCRETE CURB & GUTTER — 3 / C600
2. 18" CONCRETE CURB & GUTTER (REJECT) — 3 / C600
3. 6" CURB TAPER SECTION — 4 / 600
4. STANDARD CURB TO REJECT CURB TRANSITION POINT
5. STOP SIGN — 5 / C600
6. FUTURE STOP LIGHTS (BY OTHERS)
7. LIGHT POLE (SEE ELECTRICAL PLANS)
8. PARKING LOT STRIPING — 8 / C600
9. PROPOSED TREE LINE
10. 18 X 42 SLAB FOR EQUIPMENT – LOCATION TO BE FINALIZED DURING CONSTRUCTION (ALTERNATE #6– SEE BID FORM)
11. GUARDRAIL — 12 / C601
12. TRANSFORMER– SEE ELECTRICAL PLANS
13. BOLLARD– SEE ARCHITECTURAL PLANS FOR DETAILS

0' 40' 80'
1" = 40'

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Project Title: **WTC SPARTA PUBLIC SAFETY TRAINING SIM CITY**

Project Location: 11177 COUNTY HIGHWAY A SPARTA, WI 54656

Sheet Title: **LAYOUT PLAN-NORTH**

HSR Project Number: **25039-1**

Project Date: **FEBRUARY 2026**

Drawn By: **POB**

Key Plan:

BID SET

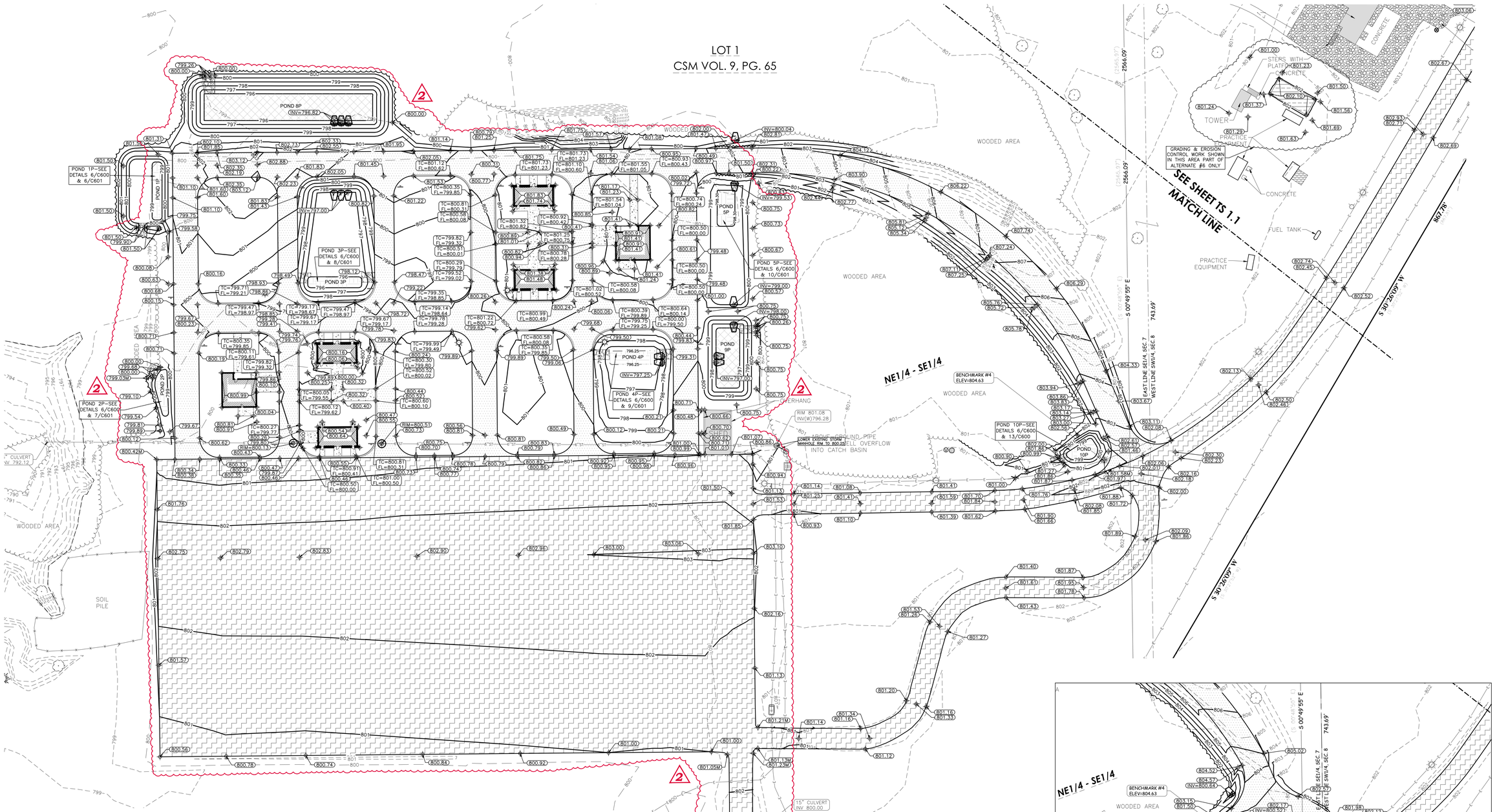
Revisions:

No.	Description	Date
2	ADDENDUM 02	03/13/2026

Graphic Scale: **VARIES**

Last Update:

C201



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BENCH MARK

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BURY BOLT ON HYDRANT,
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ELEVATION = 805.05

BENCHMARK #2
BURY BOLT ON HYDRANT,
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ELEVATION = 804.53

BENCHMARK #3
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ELEVATION = 804.67

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ELEVATION = 804.63

0' 40' 80'
1" = 40'

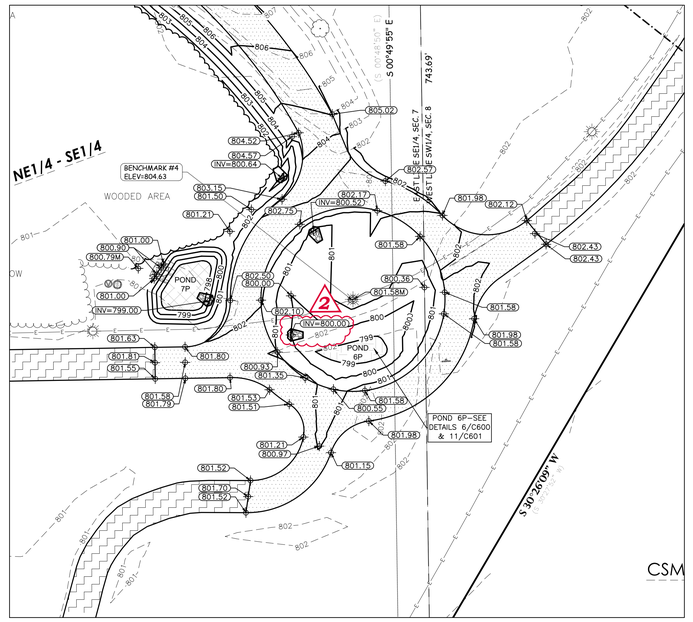
N

GRADING LEGEND:

EXISTING CONTOUR	712
PROPOSED CONTOUR	712
PROPOSED SPOT ELEVATION	892.20
PROPOSED ENDWALL INVERT ELEVATION	INV=892.05
PROPOSED TOP OF CURB ELEVATION	TC=893.56
PROPOSED FLOW LINE ELEVATION	FL=893.56
PROPOSED MATCH ELEVATION (CONTRACTOR TO VERIFY)	892.05M
PROPOSED ENDWALL STRUCTURE	4 C601
PROPOSED ENDWALL STRUCTURE WITH RIP RAP	4 C601
PROPOSED BIORETENTION BASIN (SEE DETAILS 6-11/C601 FOR PLANTING PLAN DETAILS)	6 C600
PROPOSED INFILTRATION BASIN	6 C600
PROPOSED RIP RAP AREA	1 C301, 9 C600

GENERAL NOTES:

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. GRADE, LINE, AND LEVEL SHALL BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
3. INSTALL AND MAINTAIN ALL REQUIRED EROSION CONTROL MEASURES IN ACCORDANCE WITH LOCAL MUNICIPAL AND DEPARTMENT OF NATURAL RESOURCES REGULATIONS.
4. 6" OF TOPSOIL SHALL BE PROVIDED IN ALL GENERAL LAWN AREAS AND 12" SHALL BE PROVIDED IN ALL PLANTING BED AREAS.
5. SEE SHEETS C400 AND C401 FOR ALL REQUIRED EROSION CONTROL ELEMENTS.
6. ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED, AND/OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR.
7. COORDINATE ALL EARTHWORK ACTIVITIES WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE).
8. PROVIDE RIP RAP AT ALL CULVERT OUTFLOW ENDWALL STRUCTURES TO PREVENT WASHOUT AND EROSION.
9. INSTALL WisDOT TYPE HR FILTER FABRIC BENEATH ALL RIP RAP.
10. EXCESS TOPSOIL SHALL BE REMOVED FROM SITE, UNLESS OTHERWISE DIRECTED BY THE OWNER. COORDINATE WITH OWNER FOR LOCATION OF STOCKPILE IF THE OWNER CHOOSES TO SALVAGE EXCESS TOPSOIL FOR FUTURE USE. SILT FENCE SHALL BE PLACED AROUND STOCKPILE.
11. THE ENGINEERED SOIL SHALL NOT BE PLACED IN THE BIORETENTION AREAS UNTIL THE SURROUNDING DRAINAGE AREA HAS BEEN FULLY STABILIZED. ALL CONSTRUCTION SITE SEDIMENT SHALL BE REMOVED FROM THE SUBGRADE OF THE BIORETENTION AREA PRIOR TO PLACEMENT OF THE ENGINEERED SOIL.
12. ALL TESTING AND INSPECTION SHALL BE DONE IN ACCORDANCE WITH SPS 382.21.
13. THE LOCAL MUNICIPALITY SHALL BE CONTACTED PRIOR TO ANY EXCAVATION IN THE PUBLIC RIGHT-OF-WAY.
14. THE CONTRACTOR SHALL HAVE A TRAFFIC CONTROL PLAN APPROVED PRIOR TO WORK COMMENCING.
15. THE LOCAL MUNICIPALITY SHALL OPERATE ALL EXISTING WATER VALVES IF NEEDED.
16. GRADES AT BUILDING EDGE SHALL BE 6" BELOW FINISHED FLOOR ELEVATION EXCEPT AT DOOR WAY ENTRANCES OR UNLESS OTHERWISE NOTED.



ASPHALT ROUNDABOUT GRADING ALT. #2 (SEE BID FORM) — 1 / C300

ARCHITECTURE ENGINEERING INTERIOR DESIGN

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Project Title: **WTC SPARTA PUBLIC SAFETY TRAINING SIM CITY**

Project Location: 11177 COUNTY HIGHWAY A
SPARTA, WI 54656

Sheet Title: **GRADING PLAN-SOUTH**

HSR Project Number: **25039-1**

Project Date: **FEBRUARY 2026**

Drawn By: **POB**

Key Plan:

BID SET

Revisions:

No.	Description	Date
2	ADDENDUM 02	03/13/2026

Graphic Scale: **VARIES**

Last Update:

C300

BENCH MARK

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1
BURY BOLT ON HYDRANT,
LOCATED ON THE NORTH SIDE OF THE WTC BUILDING, APPROXIMATELY 52 FEET NORTHEAST OF THE NORTHWEST CORNER OF SAID WTC BUILDING.
ELEVATION = 805.05

BENCHMARK #2
BURY BOLT ON HYDRANT,
LOCATED APPROXIMATELY 52 FEET SOUTH OF THE SOUTHEAST CORNER OF THE GARAGE.
ELEVATION = 804.53

BENCHMARK #3
BURY BOLT ON HYDRANT,
LOCATED APPROXIMATELY 30 FEET NORTH OF THE NORTH EDGE OF THE IRRIGATION SHED.
ELEVATION = 804.67

BENCHMARK #4
CUT SQUARE ON SOUTH SIDE OF LIGHT POLE BASE, LOCATED ON THE NORTH SIDE OF THE ASPHALT DRIVE LEADING TO THE DRIVING RANGE, APPROXIMATELY 355 FEET EAST OF THE EAST EDGE OF THE DRIVING RANGE.
ELEVATION = 804.63

UTILITY DISCLAIMER:

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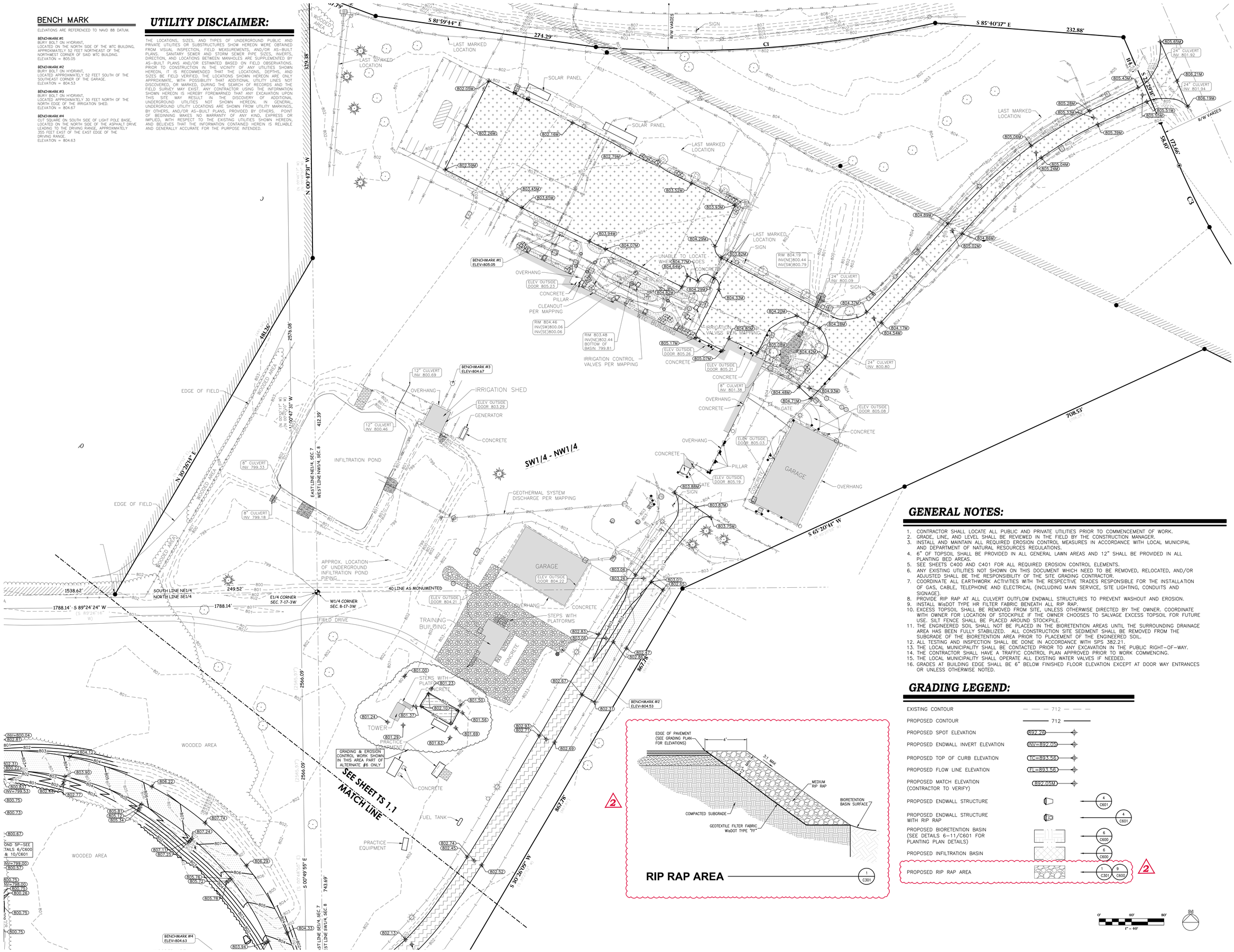

GENERAL NOTES:

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. GRADE, LINE, AND LEVEL SHALL BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
3. INSTALL AND MAINTAIN ALL REQUIRED EROSION CONTROL MEASURES IN ACCORDANCE WITH LOCAL MUNICIPAL AND DEPARTMENT OF NATURAL RESOURCES REGULATIONS.
4. 6" OF TOPSOIL SHALL BE PROVIDED IN ALL GENERAL LAWN AREAS AND 12" SHALL BE PROVIDED IN ALL PLANTING BED AREAS.
5. SEE SHEETS C400 AND C401 FOR ALL REQUIRED EROSION CONTROL ELEMENTS.
6. ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED, AND/OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR.
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11. THE ENGINEERED SOIL SHALL NOT BE PLACED IN THE BIORETENTION AREAS UNTIL THE SURROUNDING DRAINAGE AREA HAS BEEN FULLY STABILIZED. ALL CONSTRUCTION SITE SEDIMENT SHALL BE REMOVED FROM THE SUBGRADE OF THE BIORETENTION AREA PRIOR TO PLACEMENT OF THE ENGINEERED SOIL.
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15. THE LOCAL MUNICIPALITY SHALL OPERATE ALL EXISTING WATER VALVES IF NEEDED.
16. GRADES AT BUILDING EDGE SHALL BE 6" BELOW FINISHED FLOOR ELEVATION EXCEPT AT DOOR WAY ENTRANCES OR UNLESS OTHERWISE NOTED.

GRADING LEGEND:

EXISTING CONTOUR	712
PROPOSED CONTOUR	712
PROPOSED SPOT ELEVATION	892.76
PROPOSED ENDWALL INVERT ELEVATION	INV=892.05
PROPOSED TOP OF CURB ELEVATION	TC=893.56
PROPOSED FLOW LINE ELEVATION	FL=893.56
PROPOSED MATCH ELEVATION (CONTRACTOR TO VERIFY)	892.05M
PROPOSED ENDWALL STRUCTURE	4 C601
PROPOSED ENDWALL STRUCTURE WITH RIP RAP	4 C601
PROPOSED BIORETENTION BASIN (SEE DETAILS 6-11/C601 FOR PLANTING PLAN DETAILS)	6 C600
PROPOSED INFILTRATION BASIN	6 C600
PROPOSED RIP RAP AREA	1 C301, 9 C600 (2)

0' 40' 80'
1" = 40'

ARCHITECTURE ENGINEERING INTERIOR DESIGN

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Project Title: **WTC SPARTA PUBLIC SAFETY TRAINING SIM CITY**

Project Location: 11177 COUNTY HIGHWAY A SPARTA, WI 54656

Sheet Title: **GRADING PLAN-NORTH**

HSR Project Number: **25039-1**

Project Date: **FEBRUARY 2026**

Drawn By: **POB**

Key Plan:

BID SET

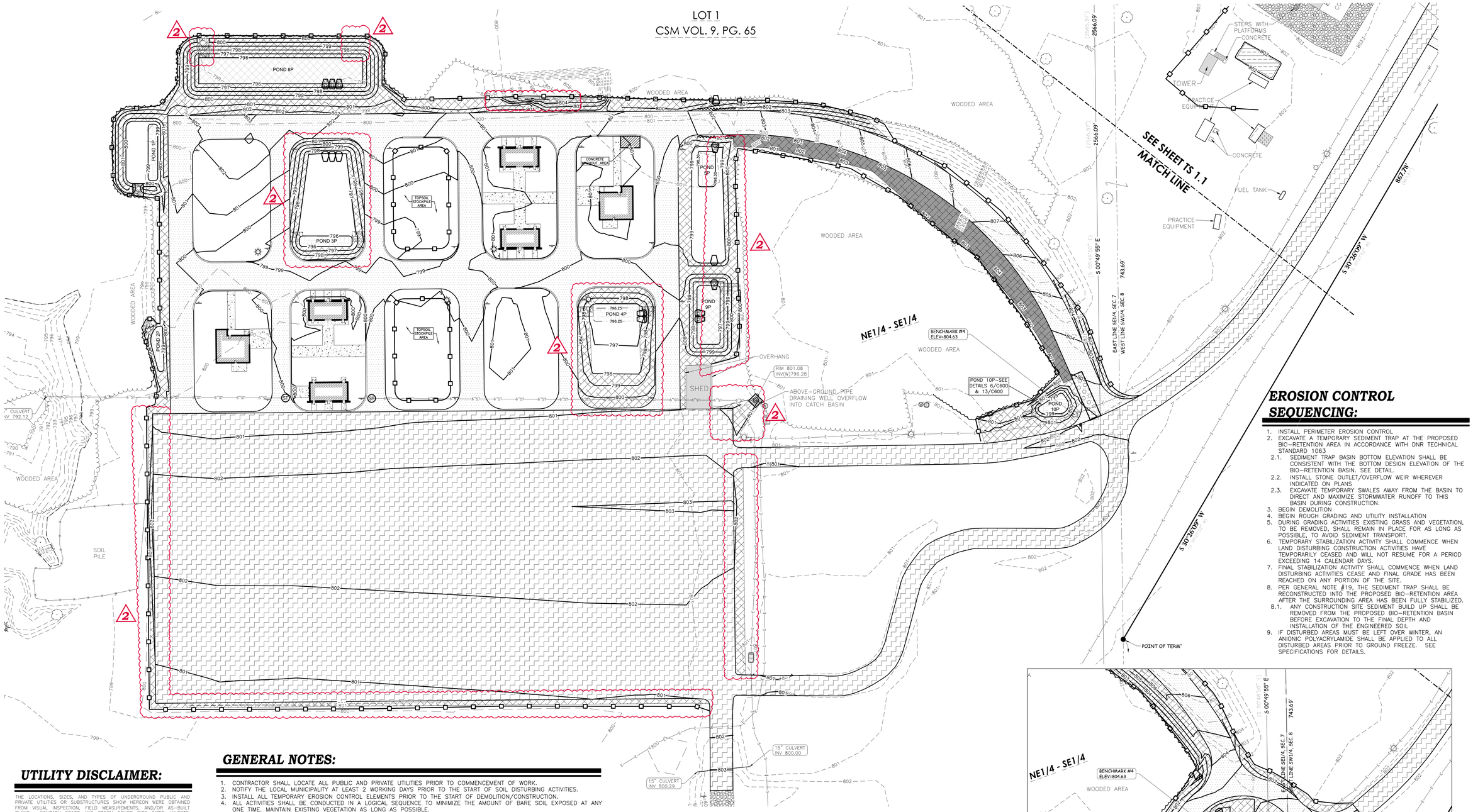
Revisions:

No.	Description	Date
2	ADDENDUM 02	03/13/2026

Graphic Scale: **VARIES**

Last Update:

C301



EROSION CONTROL SEQUENCING:

1. INSTALL PERIMETER EROSION CONTROL
2. EXCAVATE A TEMPORARY SEDIMENT TRAP AT THE PROPOSED BIO-RETENTION AREA IN ACCORDANCE WITH DNR TECHNICAL STANDARD 1063
   - 2.1. SEDIMENT TRAP BASIN BOTTOM ELEVATION SHALL BE CONSISTENT WITH THE BOTTOM DESIGN ELEVATION OF THE BIO-RETENTION BASIN. SEE DETAIL.
   - 2.2. INSTALL STONE OUTLET/OVERFLOW WEIR WHEREVER INDICATED ON PLANS
   - 2.3. EXCAVATE TEMPORARY SWALES AWAY FROM THE BASIN TO DIRECT AND MAXIMIZE STORMWATER RUNOFF TO THIS BASIN DURING CONSTRUCTION.
3. BEGIN DEMOLITION
4. BEGIN ROUGH GRADING AND UTILITY INSTALLATION
5. DURING GRADING ACTIVITIES EXISTING GRASS AND VEGETATION, TO BE REMOVED, SHALL REMAIN IN PLACE FOR AS LONG AS POSSIBLE, TO AVOID SEDIMENT TRANSPORT.
6. TEMPORARY STABILIZATION ACTIVITY SHALL COMMENCE WHEN LAND DISTURBING CONSTRUCTION ACTIVITIES HAVE TEMPORARILY CEASED AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS.
7. FINAL STABILIZATION ACTIVITY SHALL COMMENCE WHEN LAND DISTURBING ACTIVITIES CEASE AND FINAL GRADE HAS BEEN REACHED ON ANY PORTION OF THE SITE.
8. PER GENERAL NOTE #19, THE SEDIMENT TRAP SHALL BE RECONSTRUCTED INTO THE PROPOSED BIO-RETENTION AREA AFTER THE SURROUNDING AREA HAS BEEN FULLY STABILIZED.
   - 8.1. ANY CONSTRUCTION SITE SEDIMENT BUILD UP SHALL BE REMOVED FROM THE PROPOSED BIO-RETENTION BASIN BEFORE EXCAVATION TO THE FINAL DEPTH AND INSTALLATION OF THE ENGINEERED SOIL
9. IF DISTURBED AREAS MUST BE LEFT OVER WINTER, AN ANIONIC POLYACRYLAMIDE SHALL BE APPLIED TO ALL DISTURBED AREAS PRIOR TO GROUND FREEZE. SEE SPECIFICATIONS FOR DETAILS.

UTILITY DISCLAIMER:

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BENCH MARK

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1
BURY BOLT ON HYDRANT,
LOCATED ON THE NORTH SIDE OF THE WTC BUILDING, APPROXIMATELY 52 FEET NORTHEAST OF THE NORTHWEST CORNER OF SAID WTC BUILDING.
ELEVATION = 805.09

BENCHMARK #2
BURY BOLT ON HYDRANT,
LOCATED APPROXIMATELY 52 FEET SOUTH OF THE SOUTHEAST CORNER OF THE GARAGE.
ELEVATION = 804.53

BENCHMARK #3
BURY BOLT ON HYDRANT,
LOCATED APPROXIMATELY 30 FEET NORTH OF THE NORTH EDGE OF THE IRRIGATION SHED.
ELEVATION = 804.67

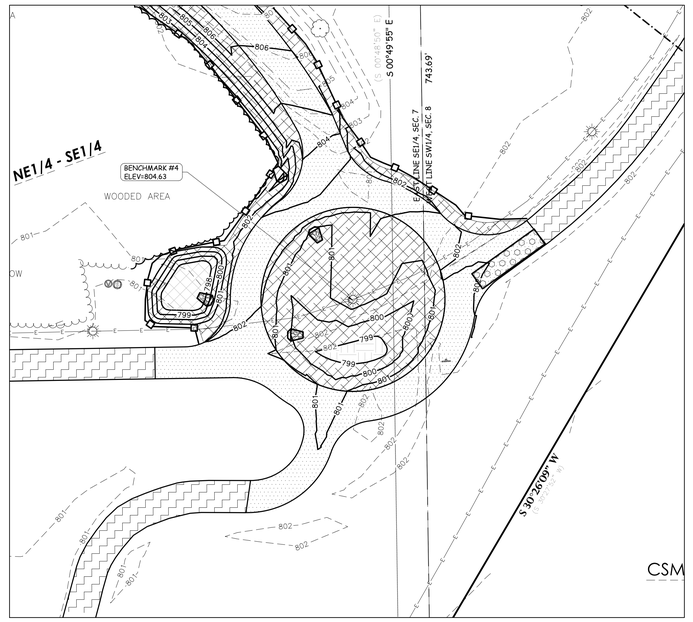
BENCHMARK #4
CUT SQUARE ON SOUTH SIDE OF LIGHT POLE BASE,
LOCATED ON THE NORTH SIDE OF THE ASPHALT DRIVE LEADING TO THE DRIVING RANGE, APPROXIMATELY 355 FEET EAST OF THE EAST EDGE OF THE DRIVING RANGE.
ELEVATION = 804.63

GENERAL NOTES:

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. NOTIFY THE LOCAL MUNICIPALITY AT LEAST 2 WORKING DAYS PRIOR TO THE START OF SOIL DISTURBING ACTIVITIES.
3. INSTALL ALL TEMPORARY EROSION CONTROL ELEMENTS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
4. ALL ACTIVITIES SHALL BE CONDUCTED IN A LOGICAL SEQUENCE TO MINIMIZE THE AMOUNT OF BARE SOIL EXPOSED AT ANY ONE TIME. MAINTAIN EXISTING VEGETATION AS LONG AS POSSIBLE.
5. CRUSHED ROCK DRIVES FOR SEDIMENT TRACKING UTILIZING 3" CRUSHED ROCK SHALL BE MAINTAINED AT ALL CONSTRUCTION ENTRANCES TO THE SITE. THE ROCK DRIVE SHALL BE A MINIMUM OF 12" THICK AND BE A MINIMUM OF 50 FEET IN LENGTH BY THE WIDTH OF THE DRIVEWAY.
6. OFFSITE SEDIMENT DEPOSITS RESULTING FROM STORMWATER RUNOFF SHALL BE CLEANED BY THE END OF THE NEXT WORKDAY. OFFSITE SEDIMENT DEPOSITS RESULTING FROM CONTRACTOR ACTIVITIES, INCLUDING SOIL TRACKING, SHALL BE CLEANED EACH WORKDAY. EXCESSIVE AMOUNTS OF SEDIMENT OR DEBRIS TRACKED ONTO ADJACENT STREETS SHALL BE CLEANED IMMEDIATELY. FINE SEDIMENT ACCUMULATIONS ON ADJACENT STREETS SHALL SWEPT MECHANICALLY OR MANUALLY AT LEAST WEEKLY AND BEFORE IMMINENT RAINFALL.
7. DISTURBED GROUND OUTSIDE OF THE EVERYDAY CONSTRUCTION AREAS, INCLUDING SOIL STOCKPILES, THAT ARE LEFT INACTIVE FOR MORE THAN 7 DAYS SHALL BE TEMPORARILY STABILIZED BY SEEDING/MULCHING OR OTHER APPROVED METHODS.
8. WASTE MATERIAL THAT IS GENERATED ON THE CONSTRUCTION SITE SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO RUN INTO RECEIVING WATERS.
9. EROSION CONTROL DEVICES DESTROYED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE END OF EACH WORK DAY.
10. INSPECT ALL EROSION CONTROL MEASURES AT LEAST ONCE A WEEK AND AFTER ANY RAINFALL OF 0.5" OR MORE. MAKE NEEDED REPAIRS AND DOCUMENT ALL ACTIVITIES AS PER THE REQUIREMENTS OF THE NOTICE OF INTENT SUBMITTED BY THE PROJECT CIVIL ENGINEER.
11. ALL TEMPORARY EROSION CONTROL ELEMENTS SHALL REMAIN IN PLACE UNTIL A SUFFICIENT GROWTH OF VEGETATION IS ESTABLISHED AND THEN BE REMOVED AS PART OF THE BASE BID.
12. IF SEDIMENT LADEN WATER NEEDS TO BE REMOVED FROM THE SITE, FILTER BAGS OR SCREENING SHALL BE USED IN ACCORDANCE WITH WI DNR TECHNICAL STANDARD 1061 TO PREVENT SEDIMENT DISCHARGE TO THE MAXIMUM EXTENT PRACTICABLE.
13. COORDINATE ALL EARTHWORK ACTIVITIES WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE).
14. PROVIDE RIP RAP AT ALL CULVERT OUTFLOW ENDWALL STRUCTURES TO PREVENT WASHOUT AND EROSION.
15. INSTALL WisDOT TYPE HR FILTER FABRIC BENEATH ALL RIP RAP.
16. IF BARE SOIL IS EXPOSED DURING THE WINTER MONTHS, STABILIZATION BY MULCHING OR ANIONIC POLYACRYLAMIDE SHALL OCCUR PRIOR TO SNOWFALL OR GROUND FREEZE.
17. SILT FENCE SHALL BE INSTALLED AROUND THE TOPSOIL STOCKPILE.
18. SILT FENCE SHALL BE INSTALLED AROUND THE BIO-RETENTION AREA IMMEDIATELY FOLLOWING INSTALLATION OF THE ENGINEERED SOIL TO PROTECT IT FROM SILT CONTAMINATION.
19. THE ENGINEERED SOIL SHALL NOT BE PLACED IN THE BIO-RETENTION AREAS UNTIL THE SURROUNDING DRAINAGE AREA HAS BEEN FULLY STABILIZED. ALL CONSTRUCTION SITE SEDIMENT SHALL BE REMOVED FROM THE SUBGRADE OF THE BIO-RETENTION AREA PRIOR TO PLACEMENT OF THE ENGINEERED SOIL.
20. THE CONTRACTOR SHALL PERFORM INSPECTIONS AND MONITORING OF EROSION CONTROL PRACTICES IN ACCORDANCE WITH THE WI DNR "CONSTRUCTION SITE INSPECTION REPORT" FORM 3400-187. THIS FORM CAN BE FOUND IN THE CONSTRUCTION SPECIFICATIONS.

EROSION CONTROL LEGEND:

EXISTING CONTOUR	888
PROPOSED CONTOUR	888
PROPOSED SILT FENCE	10 / C600
PROPOSED INLET PROTECTION	11 / C600
EROSION CONTROL BLANKET	2 / C600
EROSION CONTROL BLANKET (CHANNEL FLOW)	3 / C600
ROCK CONSTRUCTION ENTRANCE	12 / C600
RIP RAP AREA	9 / C600, 1 / C301
CONCRETE WASHOUT AREA	1 / C601



ASPHALT ROUNDABOUT EROSION CONTROL- ALT. #2 (SEE BID FORM) — 1 / C400

0' 40' 80'
1" = 40'

ARCHITECTURE ENGINEERING INTERIOR DESIGN

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Project Title: **WTC SPARTA PUBLIC SAFETY TRAINING SIM CITY**

Project Location: **11177 COUNTY HIGHWAY A SPARTA, WI 54656**

Sheet Title: **EROSION CONTROL PLAN-SOUTH**

HSR Project Number: **25039-1**

Project Date: **FEBRUARY 2026**

Drawn By: **POB**

Key Plan:

BID SET

Revisions:

No.	Description	Date
2	ADDENDUM 02	03/13/2026

Graphic Scale: **VARIES**

Last Update:

C400

BENCH MARK

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1
BURY BOLT ON HYDRANT,
LOCATED ON THE NORTH SIDE OF THE WTC BUILDING, APPROXIMATELY 52 FEET NORTHEAST OF THE NORTHWEST CORNER OF SAID WTC BUILDING.
ELEVATION = 805.05

BENCHMARK #2
BURY BOLT ON HYDRANT,
LOCATED APPROXIMATELY 52 FEET SOUTH OF THE SOUTHEAST CORNER OF THE GARAGE.
ELEVATION = 804.53

BENCHMARK #3
BURY BOLT ON HYDRANT,
LOCATED APPROXIMATELY 30 FEET NORTH OF THE NORTH EDGE OF THE IRRIGATION SHED.
ELEVATION = 804.67

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CUT SQUARE ON SOUTH SIDE OF LIGHT POLE BASE, LOCATED ON THE NORTH SIDE OF THE ASPHALT DRIVE LEADING TO THE DRIVING RANGE, APPROXIMATELY 355 FEET EAST OF THE EAST EDGE OF THE DRIVING RANGE.
ELEVATION = 804.63

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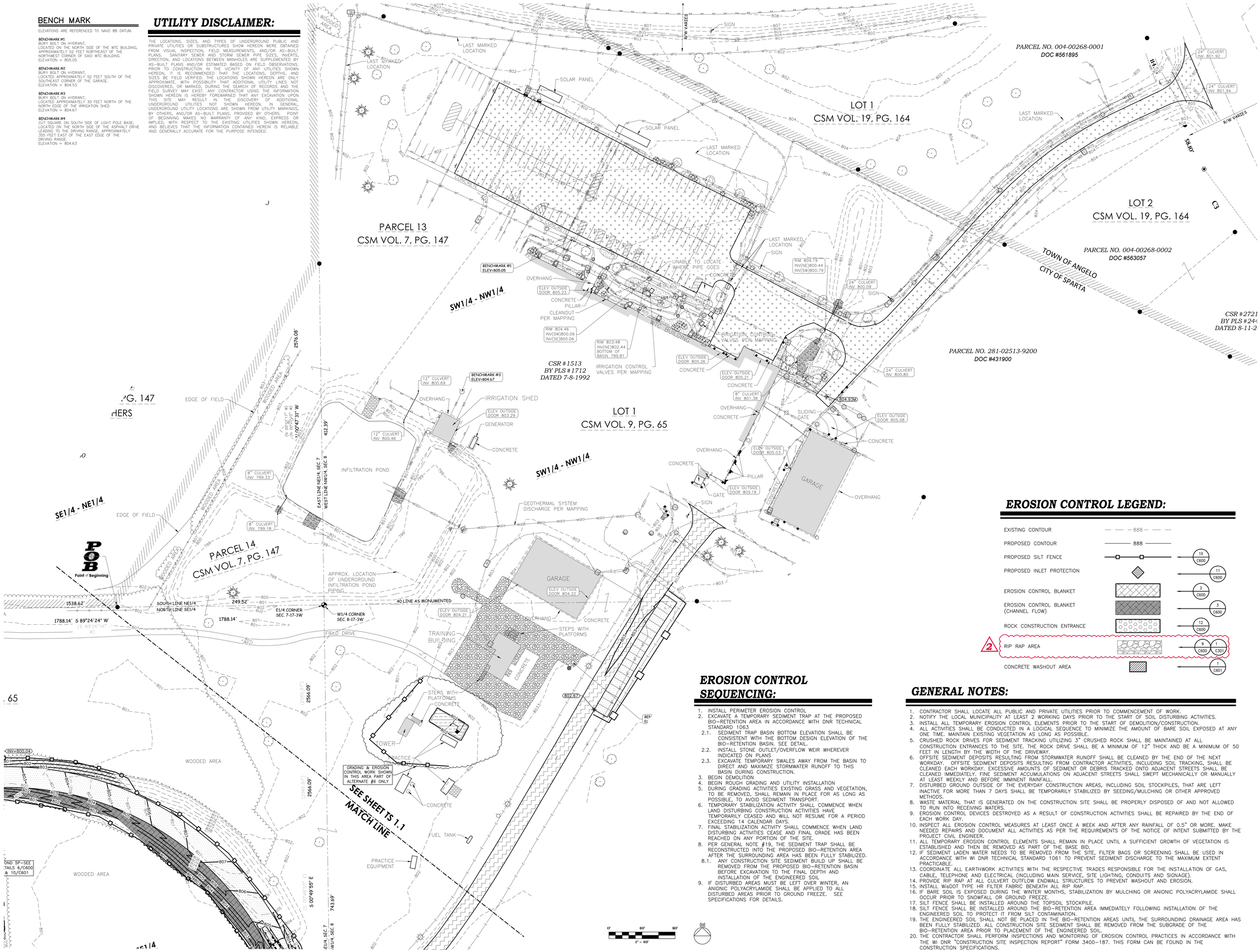

EROSION CONTROL LEGEND:

EXISTING CONTOUR	888
PROPOSED CONTOUR	888
PROPOSED SILT FENCE	10 C600
PROPOSED INLET PROTECTION	11 C600
EROSION CONTROL BLANKET	2 C600
EROSION CONTROL BLANKET (CHANNEL FLOW)	3 C600
ROCK CONSTRUCTION ENTRANCE	12 C600
2 RIP RAP AREA	9 C600, 1 C301
CONCRETE WASHOUT AREA	1 C601

EROSION CONTROL SEQUENCING:

1. INSTALL PERIMETER EROSION CONTROL
2. EXCAVATE A TEMPORARY SEDIMENT TRAP AT THE PROPOSED BIO-RETENTION AREA IN ACCORDANCE WITH DNR TECHNICAL STANDARD 1063
   - 2.1. SEDIMENT TRAP BASIN BOTTOM ELEVATION SHALL BE CONSISTENT WITH THE BOTTOM DESIGN ELEVATION OF THE BIO-RETENTION BASIN, SEE DETAIL.
   - 2.2. INSTALL STONE OUTLET/OVERFLOW WEIR WHEREVER INDICATED ON PLANS
   - 2.3. EXCAVATE TEMPORARY SWALES AWAY FROM THE BASIN TO DIRECT AND MAXIMIZE STORMWATER RUNOFF TO THIS BASIN DURING CONSTRUCTION.
3. BEGIN DEMOLITION
4. BEGIN ROUGH GRADING AND UTILITY INSTALLATION
5. DURING GRADING ACTIVITIES EXISTING GRASS AND VEGETATION, TO BE REMOVED, SHALL REMAIN IN PLACE FOR AS LONG AS POSSIBLE, TO AVOID SEDIMENT TRANSPORT.
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2. NOTIFY THE LOCAL MUNICIPALITY AT LEAST 2 WORKING DAYS PRIOR TO THE START OF SOIL DISTURBING ACTIVITIES.
3. INSTALL ALL TEMPORARY EROSION CONTROL ELEMENTS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
4. ALL ACTIVITIES SHALL BE CONDUCTED IN A LOGICAL SEQUENCE TO MINIMIZE THE AMOUNT OF BARE SOIL EXPOSED AT ANY ONE TIME. MAINTAIN EXISTING VEGETATION AS LONG AS POSSIBLE.
5. CRUSHED ROCK DRIVES FOR SEDIMENT TRACKING UTILIZING 3" CRUSHED ROCK SHALL BE MAINTAINED AT ALL CONSTRUCTION ENTRANCES TO THE SITE. THE ROCK DRIVE SHALL BE A MINIMUM OF 12" THICK AND BE A MINIMUM OF 50 FEET IN LENGTH BY THE WIDTH OF THE DRIVEWAY.
6. OFFSITE SEDIMENT DEPOSITS RESULTING FROM STORMWATER RUNOFF SHALL BE CLEANED BY THE END OF THE NEXT WORKDAY. OFFSITE SEDIMENT DEPOSITS RESULTING FROM CONTRACTOR ACTIVITIES, INCLUDING SOIL TRACKING, SHALL BE CLEANED EACH WORKDAY. EXCESSIVE AMOUNTS OF SEDIMENT OR DEBRIS TRACKED ONTO ADJACENT STREETS SHALL BE CLEANED IMMEDIATELY. FINE SEDIMENT ACCUMULATIONS ON ADJACENT STREETS SHALL SWEPT MECHANICALLY OR MANUALLY AT LEAST WEEKLY AND BEFORE IMMINENT RAINFALL.
7. DISTURBED GROUND OUTSIDE OF THE EVERYDAY CONSTRUCTION AREAS, INCLUDING SOIL STOCKPILES, THAT ARE LEFT INACTIVE FOR MORE THAN 7 DAYS SHALL BE TEMPORARILY STABILIZED BY SEEDING/MULCHING OR OTHER APPROVED METHODS.
8. WASTE MATERIAL THAT IS GENERATED ON THE CONSTRUCTION SITE SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO RUN INTO RECEIVING WATERS.
9. EROSION CONTROL DEVICES DESTROYED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE END OF EACH WORK DAY.
10. INSPECT ALL EROSION CONTROL MEASURES AT LEAST ONCE A WEEK AND AFTER ANY RAINFALL OF 0.5" OR MORE. MAKE NEEDED REPAIRS AND DOCUMENT ALL ACTIVITIES AS PER THE REQUIREMENTS OF THE NOTICE OF INTENT SUBMITTED BY THE PROJECT CIVIL ENGINEER.
11. ALL TEMPORARY EROSION CONTROL ELEMENTS SHALL REMAIN IN PLACE UNTIL A SUFFICIENT GROWTH OF VEGETATION IS ESTABLISHED AND THEN BE REMOVED AS PART OF THE BASE BID.
12. IF SEDIMENT LADEN WATER NEEDS TO BE REMOVED FROM THE SITE, FILTER BAGS OR SCREENING SHALL BE USED IN ACCORDANCE WITH WI DNR TECHNICAL STANDARD 1061 TO PREVENT SEDIMENT DISCHARGE TO THE MAXIMUM EXTENT PRACTICABLE.
13. COORDINATE ALL EARTHWORK ACTIVITIES WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE).
14. PROVIDE RIP RAP AT ALL CULVERT OUTFLOW ENDWALL STRUCTURES TO PREVENT WASHOUT AND EROSION.
15. INSTALL WisDOT TYPE HR FILTER FABRIC BENEATH ALL RIP RAP.
16. IF BARE SOIL IS EXPOSED DURING THE WINTER MONTHS, STABILIZATION BY MULCHING OR ANIONIC POLYACRYLAMIDE SHALL OCCUR PRIOR TO SNOWFALL OR GROUND FREEZE.
17. SILT FENCE SHALL BE INSTALLED AROUND THE TOPSOIL STOCKPILE.
18. SILT FENCE SHALL BE INSTALLED AROUND THE BIO-RETENTION AREA IMMEDIATELY FOLLOWING INSTALLATION OF THE ENGINEERED SOIL TO PROTECT IT FROM SILT CONTAMINATION.
19. THE ENGINEERED SOIL SHALL NOT BE PLACED IN THE BIO-RETENTION AREAS UNTIL THE SURROUNDING DRAINAGE AREA HAS BEEN FULLY STABILIZED. ALL CONSTRUCTION SITE SEDIMENT SHALL BE REMOVED FROM THE SUBGRADE OF THE BIO-RETENTION AREA PRIOR TO PLACEMENT OF THE ENGINEERED SOIL.
20. THE CONTRACTOR SHALL PERFORM INSPECTIONS AND MONITORING OF EROSION CONTROL PRACTICES IN ACCORDANCE WITH THE WI DNR "CONSTRUCTION SITE INSPECTION REPORT" FORM 3400-187. THIS FORM CAN BE FOUND IN THE CONSTRUCTION SPECIFICATIONS.

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Project Title: **WTC SPARTA PUBLIC SAFETY TRAINING SIM CITY**

Project Location: **11477 COUNTY HIGHWAY A SPARTA, WI 54656**

Sheet Title: **EROSION CONTROL PLAN-NORTH**

HSR Project Number: **25039-1**

Project Date: **FEBRUARY 2026**

Drawn By: **POB**

Key Plan:

BID SET

Revisions:

No.	Description	Date
2	ADDENDUM 02	03/13/2026

Graphic Scale: **VARIES**

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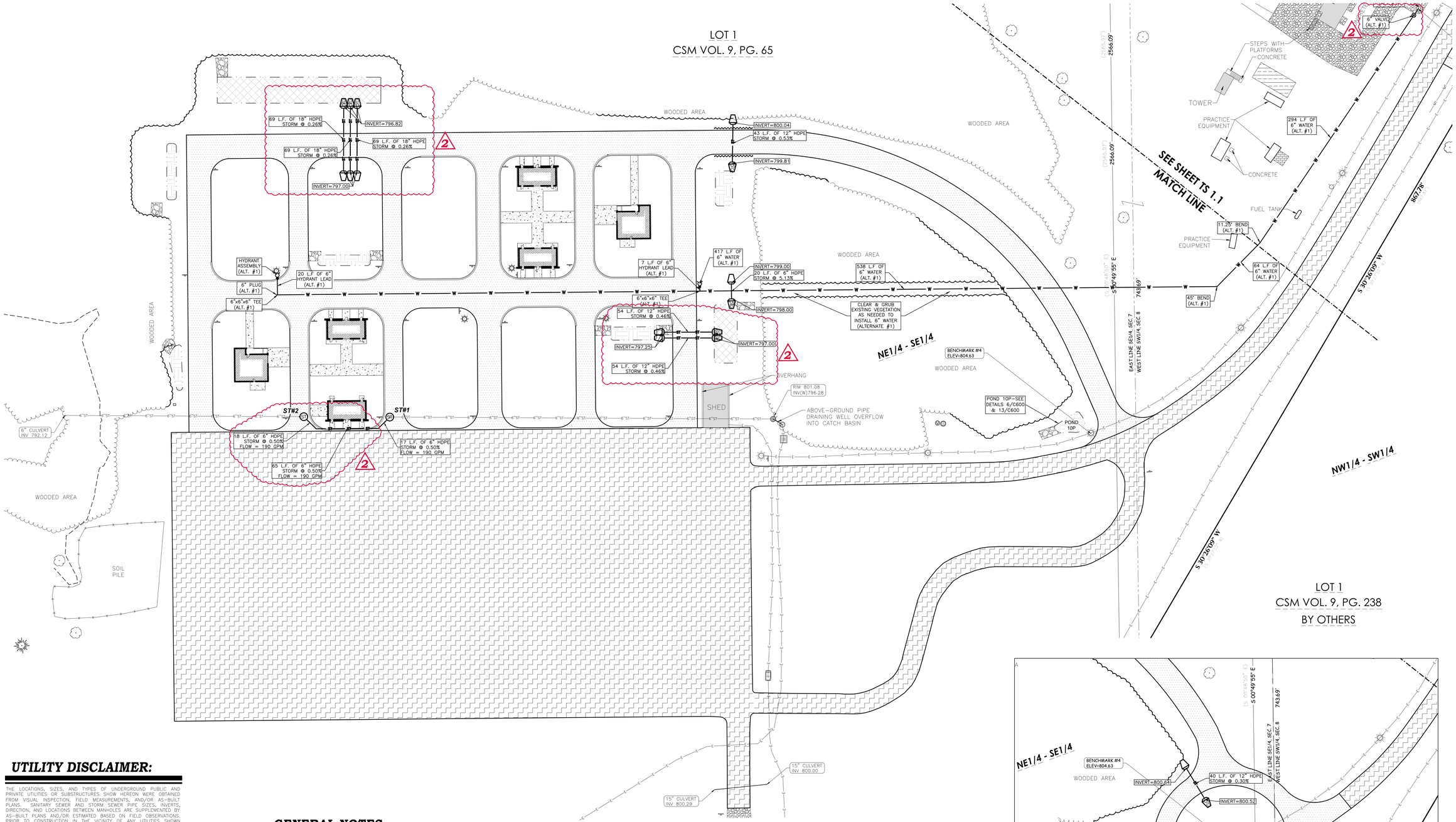
C401



UTILITY DISCLAIMER:

THE LOCATIONS, SIZES, AND TYPES OF UNDERGROUND PUBLIC AND PRIVATE UTILITIES OR SUBSTRUCTURES SHOW HEREON WERE OBTAINED FROM VISUAL INSPECTION, FIELD MEASUREMENTS, AND/OR AS-BUILT PLANS. SANITARY SEWER AND STORM SEWER PIPE SIZES, INVERTS, DIRECTION, AND LOCATIONS BETWEEN MANHOLES ARE SUPPLEMENTED BY AS-BUILT PLANS AND/OR ESTIMATED BASED ON FIELD OBSERVATIONS. PRIOR TO CONSTRUCTION IN THE VICINITY OF ANY UTILITIES SHOWN HEREON, IT IS RECOMMENDED THAT THE LOCATIONS, DEPTHS, AND SIZES BE FIELD VERIFIED. THE LOCATIONS SHOWN HEREON ARE ONLY APPROXIMATE, WITH POSSIBILITY THAT ADDITIONAL UTILITY LINES NOT DISCOVERED, OR MARKED, DURING THE SEARCH OF RECORDS AND THE FIELD SURVEY MAY EXIST. ANY CONTRACTOR USING THE INFORMATION SHOWN HEREON IS HEREBY FOREWARNED THAT ANY EXCAVATION UPON THIS SITE MAY RESULT IN THE DISCOVERY OF ADDITIONAL UNDERGROUND UTILITIES NOT SHOWN HEREON. IN GENERAL, UNDERGROUND UTILITY LOCATIONS ARE SHOWN FROM UTILITY MARKINGS, BY OTHERS, AND/OR AS-BUILT PLANS, PROVIDED BY OTHERS. POINT OF BEGINNING MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE EXISTING UTILITIES SHOWN HEREON, AND BELIEVES THAT THE INFORMATION CONTAINED HEREIN IS RELIABLE AND GENERALLY ACCURATE FOR THE PURPOSE INTENDED.

BENCH MARK

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1
BURY BOLT ON HYDRANT,
LOCATED ON THE NORTH SIDE OF THE WTC BUILDING,
APPROXIMATELY 52 FEET NORTHEAST OF THE
NORTHWEST CORNER OF SAID WTC BUILDING.
ELEVATION = 805.05

BENCHMARK #2
BURY BOLT ON HYDRANT,
LOCATED APPROXIMATELY 52 FEET SOUTH OF THE
SOUTHEAST CORNER OF THE GARAGE.
ELEVATION = 804.53

BENCHMARK #3
BURY BOLT ON HYDRANT,
LOCATED APPROXIMATELY 30 FEET NORTH OF THE
NORTH EDGE OF THE IRRIGATION SHED.
ELEVATION = 804.67

BENCHMARK #4
CUT SQUARE ON SOUTH SIDE OF LIGHT POLE BASE,
LOCATED ON THE NORTH SIDE OF THE ASPHALT DRIVE
LEADING TO THE DRIVING RANGE, APPROXIMATELY
355 FEET EAST OF THE EAST EDGE OF THE
DRIVING RANGE.
ELEVATION = 804.63

0' 40' 80'
1" = 40'

GENERAL NOTES:

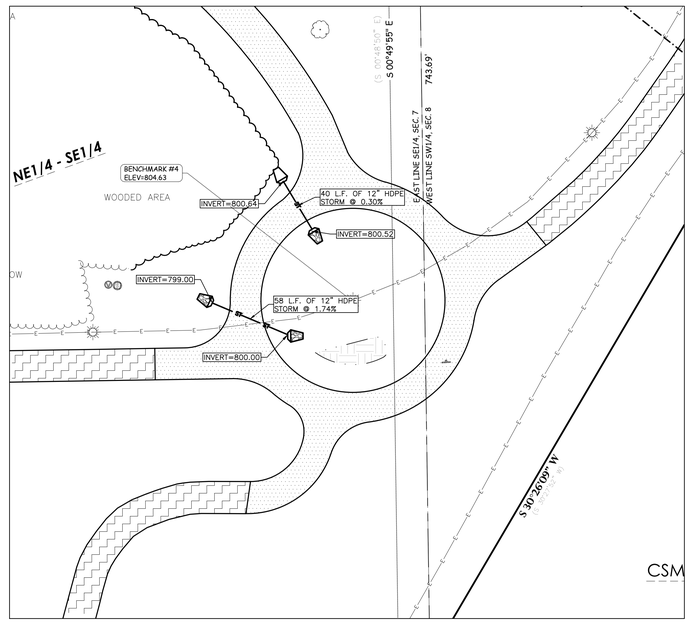
1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. GRADE, LINE, AND LEVEL SHALL BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
3. ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED AND OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR.
4. COORDINATE ALL UTILITY WORK WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE).
5. COORDINATE UTILITY SERVICE DISCONNECTIONS/OUTAGES WITH OWNER AND ANY IMPACTED NEIGHBORS. MINIMIZE DISRUPTIONS TO THE MAXIMUM EXTENT PRACTICAL.
6. COORDINATE ALL WORK WITHIN THE PUBLIC RIGHT OF WAY WITH THE LOCAL MUNICIPALITY.
7. ALL TESTING AND INSPECTION SHALL BE DONE IN ACCORDANCE WITH SPS 382.21.
8. THE PROPOSED WATER MAIN SHALL HAVE A MINIMUM COVER OF 7'-6" TO THE TOP OF PIPE FROM PROPOSED FINISHED GRADE. SEE SHEETS C300 & C301 FOR PROPOSED FINISHED GRADE.
9. THE CONTRACTOR SHALL HAVE A TRAFFIC CONTROL PLAN APPROVED PRIOR TO WORK COMMENCING.
10. PROVIDE RIP RAP AT ALL STORM ENDWALLS TO PREVENT WASHOUT AND EROSION.
11. INSTALL WisDOT TYPE HR FILTER FABRIC BENEATH PROPOSED RIP RAP.

STORM MANHOLE SCHEDULE:

STRUCTURE #	STRUCTURE DETAILS
ST#1	RIM = 800.51 INV (SW) = 794.03 INV (E) = 794.03 DEPTH = 6.48' 10" NYLOPLAST DRAIN BASIN W/STANDARD GRATE
ST#2	RIM = 800.13 INV (SE) = 793.53 INV (W) = 793.53 DEPTH = 6.59' 10" NYLOPLAST DRAIN BASIN W/STANDARD GRATE

UTILITY LEGEND:

- PROPOSED STORM SEWER
- PROPOSED WATER MAIN (ALTERNATE #1-SEE BID FORM)
- PROPOSED ENDWALL STRUCTURE WITH RIP RAP (4 / C601)
- PROPOSED ENDWALL STRUCTURE WITHOUT RIP RAP (4 / C601)
- PROPOSED WATER VALVE (ALTERNATE #1-SEE BID FORM) (13 / C601)
- PROPOSED HYDRANT ASSEMBLY (ALTERNATE #1-SEE BID FORM) (5 / C601)
- PROPOSED RIP RAP AREA (1 / C301, 9 / C600)
- PROPOSED BIORETENTION BASIN (SEE DETAILS 6-11/C601 FOR PLANTING PLAN DETAILS) (6 / C600)
- PROPOSED INFILTRATION BASIN (11 / C600)
- PROPOSED STORM SEWER MANHOLE (INSTALL PER MANUFACTURER'S RECOMMENDATION) (ST / 1 / C501)



ASPHALT ROUNDABOUT UTILITIES ALT. #2 (SEE BID FORM) (1 / C500)

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Project Title: **WTC SPARTA PUBLIC SAFETY TRAINING SIM CITY**

Project Location: **11177 COUNTY HIGHWAY A SPARTA, WI 54656**

Sheet Title: **UTILITY PLAN-SOUTH**

HSR Project Number: **25039-1**

Project Date: **FEBRUARY 2026**

Drawn By: **POB**

Key Plan:

BID SET

Revisions:

No.	Description	Date
2	ADDENDUM 02	03/13/2026

Graphic Scale: **VARIES**

Last Update:

C500

BENCH MARK

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1
BURY BOLT ON HYDRANT,
LOCATED ON THE NORTH SIDE OF THE WTC BUILDING, APPROXIMATELY 52 FEET NORTHEAST OF THE NORTHWEST CORNER OF SAID WTC BUILDING.
ELEVATION = 805.05

BENCHMARK #2
BURY BOLT ON HYDRANT,
LOCATED APPROXIMATELY 52 FEET SOUTH OF THE SOUTHEAST CORNER OF THE GARAGE.
ELEVATION = 804.53

BENCHMARK #3
BURY BOLT ON HYDRANT,
LOCATED APPROXIMATELY 30 FEET NORTH OF THE NORTH EDGE OF THE IRRIGATION SHED.
ELEVATION = 804.67

BENCHMARK #4
CUT SQUARE ON SOUTH SIDE OF LIGHT POLE BASE, LOCATED ON THE NORTH SIDE OF THE ASPHALT DRIVE LEADING TO THE DRIVING RANGE, APPROXIMATELY 350 FEET EAST OF THE EAST EDGE OF THE DRIVING RANGE.
ELEVATION = 804.63

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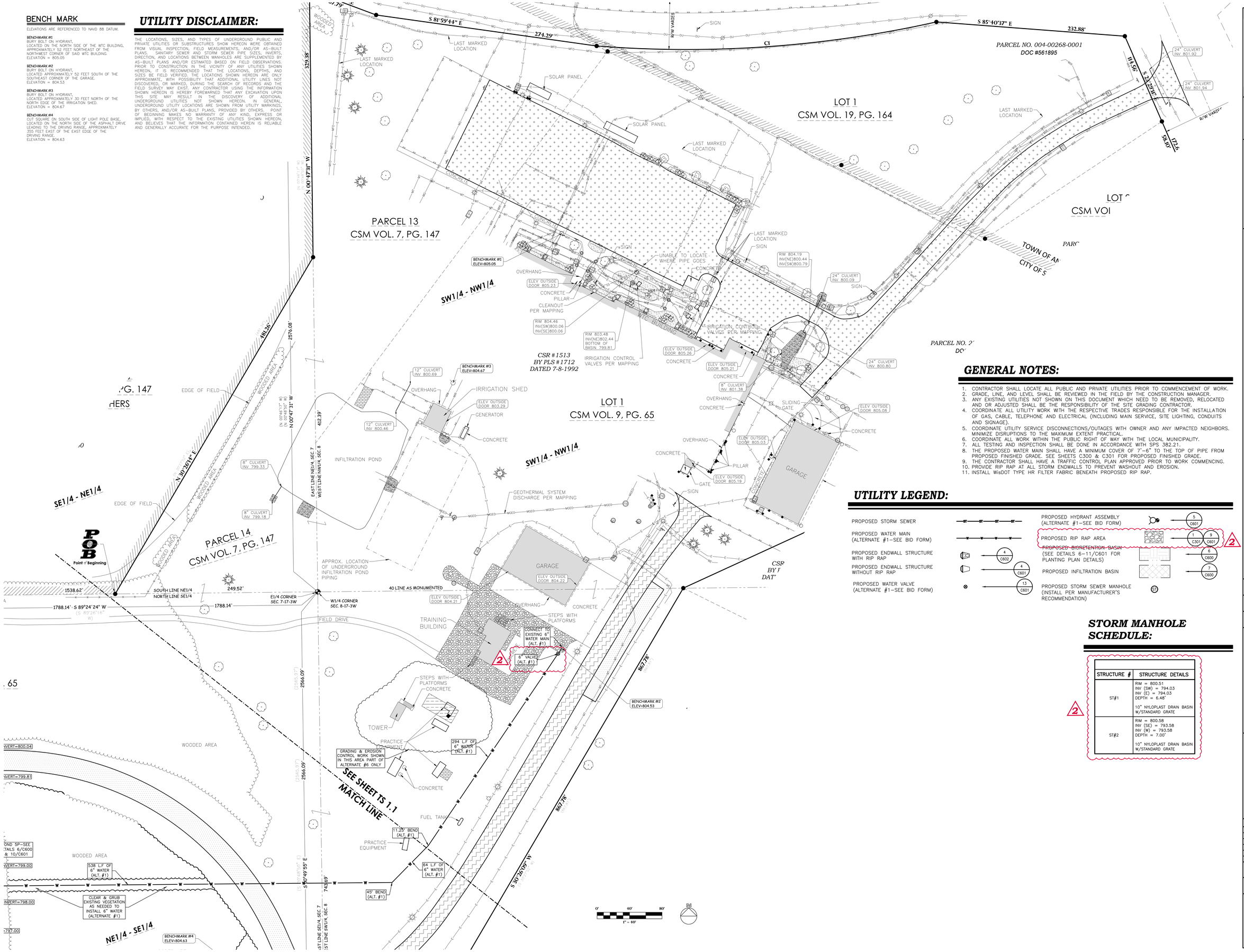

GENERAL NOTES:

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8. THE PROPOSED WATER MAIN SHALL HAVE A MINIMUM COVER OF 7'-6" TO THE TOP OF PIPE FROM PROPOSED FINISHED GRADE. SEE SHEETS C300 & C301 FOR PROPOSED FINISHED GRADE.
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10. PROVIDE RIP RAP AT ALL STORM ENDWALLS TO PREVENT WASHOUT AND EROSION.
11. INSTALL WisDOT TYPE HR FILTER FABRIC BENEATH PROPOSED RIP RAP.

UTILITY LEGEND:

- PROPOSED STORM SEWER
- PROPOSED WATER MAIN (ALTERNATE #1-SEE BID FORM)
- PROPOSED ENDWALL STRUCTURE WITH RIP RAP (4 / C602)
- PROPOSED ENDWALL STRUCTURE WITHOUT RIP RAP (4 / C601)
- PROPOSED WATER VALVE (ALTERNATE #1-SEE BID FORM) (13 / C601)
- PROPOSED HYDRANT ASSEMBLY (ALTERNATE #1-SEE BID FORM) (5 / C601)
- PROPOSED RIP RAP AREA (1 / C301, 8 / C601)
- PROPOSED BIORETENTION BASIN (SEE DETAILS 6-11/C601 FOR PLANTING PLAN DETAILS) (6 / C600)
- PROPOSED INFILTRATION BASIN (7 / C600)
- PROPOSED STORM SEWER MANHOLE (INSTALL PER MANUFACTURER'S RECOMMENDATION) (ST)

STORM MANHOLE SCHEDULE:

STRUCTURE #	STRUCTURE DETAILS
ST#1	RIM = 800.51 INV (SW) = 794.03 INV (E) = 794.03 DEPTH = 6.48' 10" NYLOPLAST DRAIN BASIN W/STANDARD GRATE
ST#2	RIM = 800.58 INV (SE) = 793.58 INV (W) = 793.58 DEPTH = 7.00' 10" NYLOPLAST DRAIN BASIN W/STANDARD GRATE

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Project Title: WTC SPARTA PUBLIC SAFETY TRAINING SIM CITY

Project Location: 11177 COUNTY HIGHWAY A SPARTA, WI 54656

Sheet Title: UTILITY PLAN-NORTH

HSR Project Number: 25039-1

Project Date: FEBRUARY 2026

Drawn By: POB

Key Plan:

BID SET

Revisions:

No.	Description	Date
2	ADDENDUM 02	03/13/2026

Graphic Scale: VARIES

Last Update:

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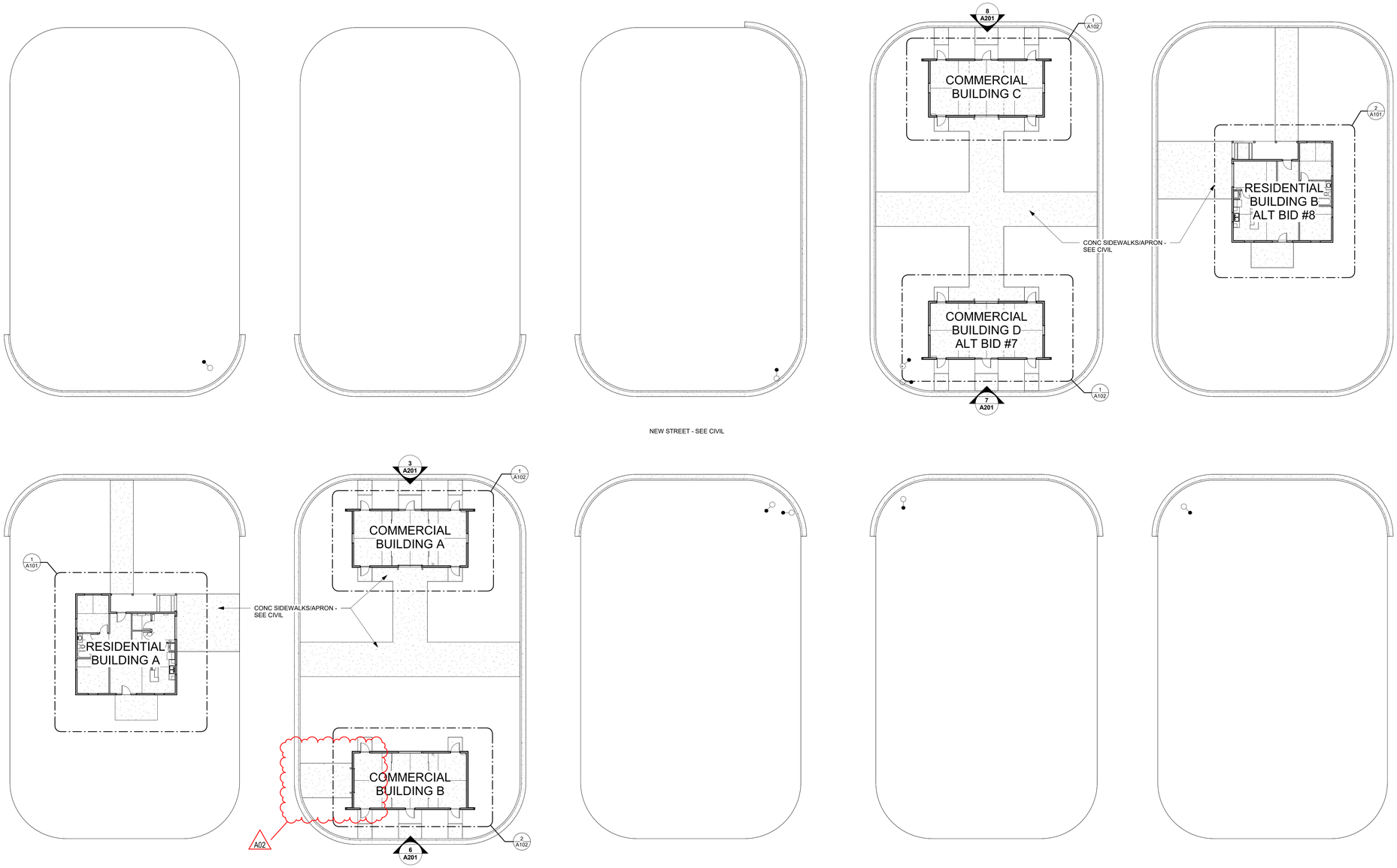

1 1-OVERALL PLAN

1/16" = 1'-0"

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Consultant:

Project Title: **WESTERN TECHNICAL COLLEGE**
SPARTA PUBLIC SAFETY TRAINING SIM CITY

Project Location: **11177 COUNTY HWY A**
SPARTA, WISCONSIN

Sheet Title: **OVERALL PLAN**

HSR Project Number: **25039-1**

Project Date: **FEBRUARY 2026**

Drawn By: **DJH**

Key Plan:

BID SET

Revisions:

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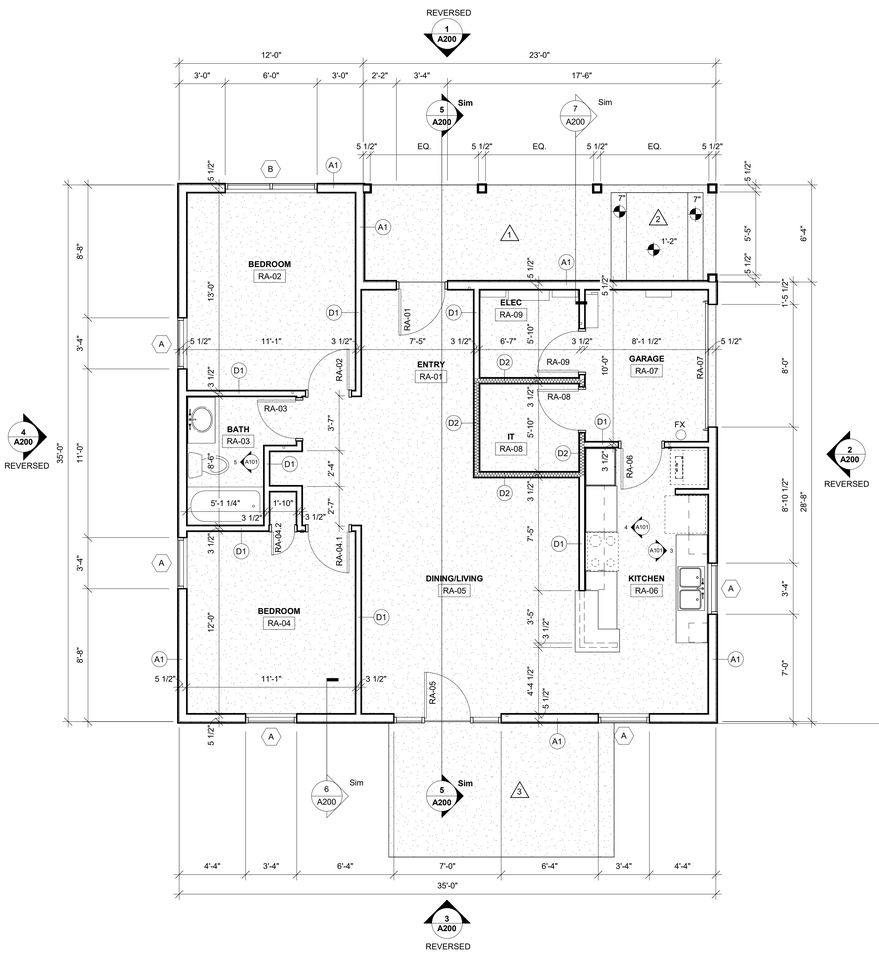
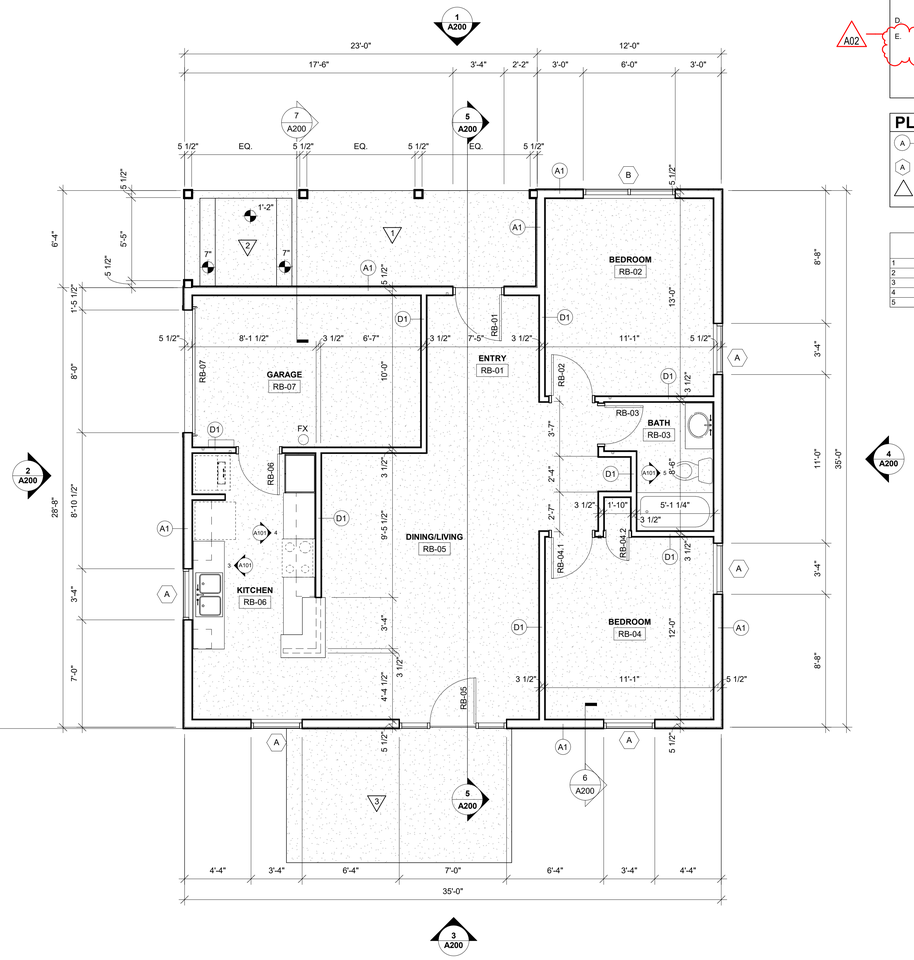
Last Update: **3/13/2026 8:51:50 AM**

A100



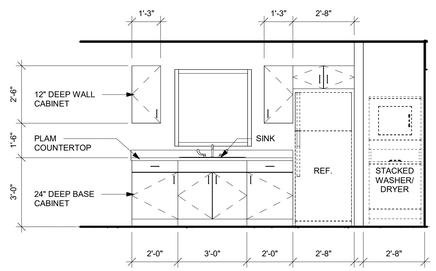
1 RESIDENTIAL FLOOR PLAN - BUILDING A

1/4" = 1'-0"



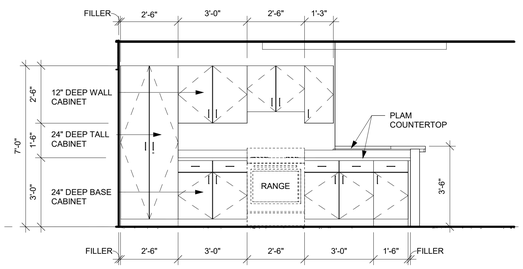
2 RESIDENTIAL FLOOR PLAN - BUILDING B

1/4" = 1'-0"



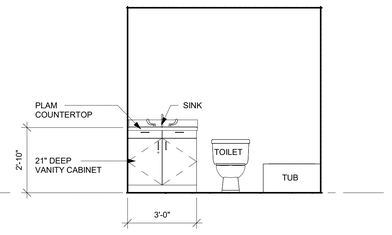
3 KITCHEN ELEVATION

3/8" = 1'-0"



4 KITCHEN ELEVATION

3/8" = 1'-0"



5 BATHROOM ELEVATION

3/8" = 1'-0"

PLAN GENERAL NOTES:

A. SEE STRUCTURAL FOR SLAB CONTROL JOINTS.

B. GENERAL CONTRACTOR TO PROVIDE CONCRETE EQUIPMENT PADS/CURBS AS REQUIRED FOR MECHANICAL / ELECTRICAL EQUIPMENT- VERIFY SIZE, PROFILE & LOCATION WITH MECHANICAL / ELECTRICAL.

C. VERIFY EXACT SIZE AND LOCATION OF ALL MECHANICAL / PLUMB AND ELEC OPENINGS - GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINISH AT ALL VISIBLE AREAS. ALL OPENING SHALL BE SEALED AFTER UTILITY INSTALLATION

D. SEAL ALL CONCRETE FLOORS.

A02 E. ALL PLUMBING FIXTURES TO BE NON-FUNCTIONAL, NO WATER SUPPLY OR WASTE PIPING. PLUMBING FIXTURES TO BE PROVIDED BY OWNER, INSTALLED BY CONTRACTOR.

PLAN LEGEND:

A — SYMBOL INDICATES WALL TYPE - SEE SHEET A600 FOR WALL TYPE DETAILS.

A — SYMBOL INDICATES WINDOW TYPE. SEE SHEET A600 FOR WINDOW FRAME ELEVATIONS.

△ — SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET

PLAN KEY NOTES

1	CONC STOOP - SEE STRUCTURAL.
2	CONC STEPS.
3	CONC PATIO - SEE CIVIL.
4	(6) SLIDING WALL PANELS - SEE DETAIL 5/A102.
5	BOLLARD - SEE CIVIL.

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Consultant:

Project Title: WESTERN TECHNICAL COLLEGE
SPARTA PUBLIC SAFETY TRAINING SIM CITY

Project Location: 11177 COUNTY HWY A
SPARTA, WISCONSIN

Sheet Title: FLOOR PLANS - RESIDENTIAL BUILDINGS

HSR Project Number: 25039-1

Project Date: FEBRUARY 2026

Drawn By: DJH

Key Plan:

BID SET

Revisions:

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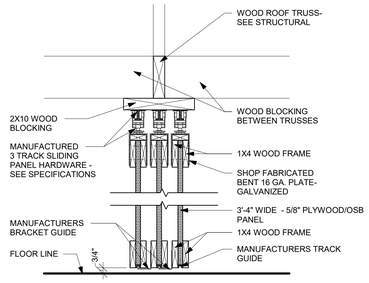
A02	ADDENDUM 2	03-13-2026

Graphic Scale: VARIES

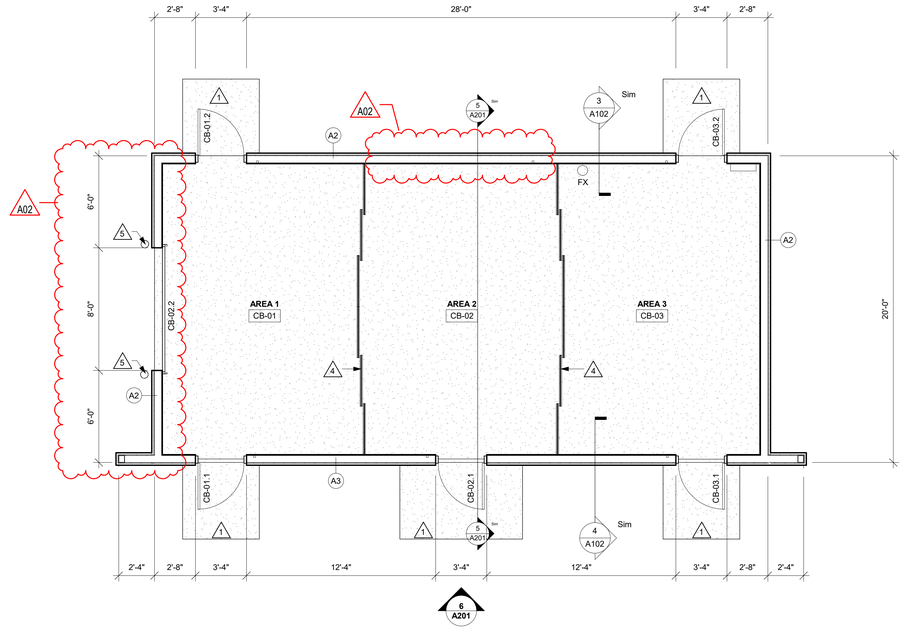
Last Update: 3/12/2026 3:31:48 PM

A101



5 SLIDING PANEL SECTION

1 1/2" = 1'-0"



2 COMMERCIAL FLOOR PLAN - BUILDING B

1/4" = 1'-0"

PLAN GENERAL NOTES:

A. SEE STRUCTURAL FOR SLAB CONTROL JOINTS.

B. GENERAL CONTRACTOR TO PROVIDE CONCRETE EQUIPMENT PADS/CURBS AS REQUIRED FOR MECHANICAL / ELECTRICAL EQUIPMENT- VERIFY SIZE, PROFILE & LOCATION WITH MECHANICAL / ELECTRICAL.

C. VERIFY EXACT SIZE AND LOCATION OF ALL MECHANICAL / PLUMB AND ELEC OPENINGS - GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINISH AT ALL VISIBLE AREAS. ALL OPENING SHALL BE SEALED AFTER UTILITY INSTALLATION

D. SEAL ALL CONCRETE FLOORS.

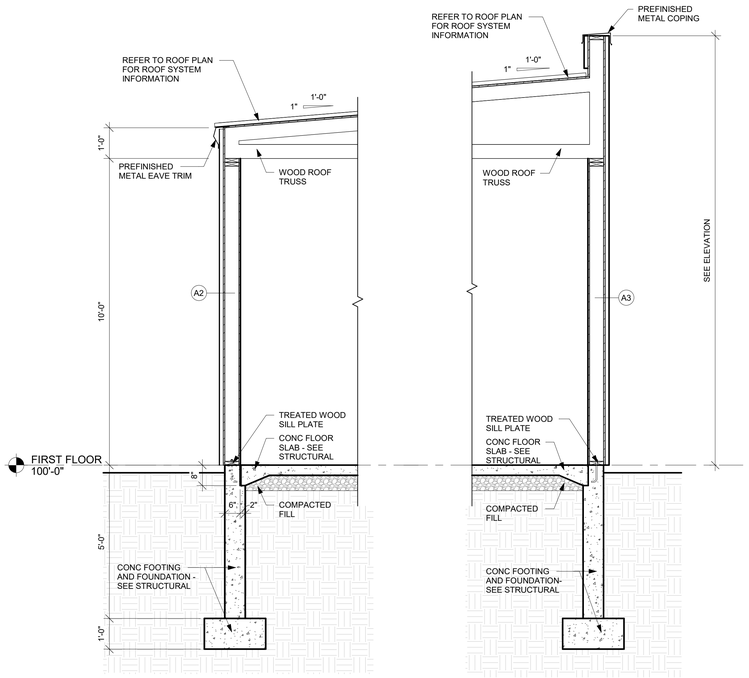
E. ALL PLUMBING FIXTURES TO BE NON-FUNCTIONAL. NO WATER SUPPLY OR WASTE PIPING. PLUMBING FIXTURES TO BE PROVIDED BY OWNER, INSTALLED BY CONTRACTOR.

PLAN LEGEND:

- (A) SYMBOL INDICATES WALL TYPE - SEE SHEET A600 FOR WALL TYPE DETAILS.
- (A) SYMBOL INDICATES WINDOW TYPE. SEE SHEET A600 FOR WINDOW FRAME ELEVATIONS.
- SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET

PLAN KEY NOTES

1	CONC STOOP - SEE STRUCTURAL.
2	CONC STEPS.
3	CONC PATIO - SEE CIVIL.
4	(6) SLIDING WALL PANELS - SEE DETAIL 5/A102.
5	BOLLARD - SEE CIVIL.

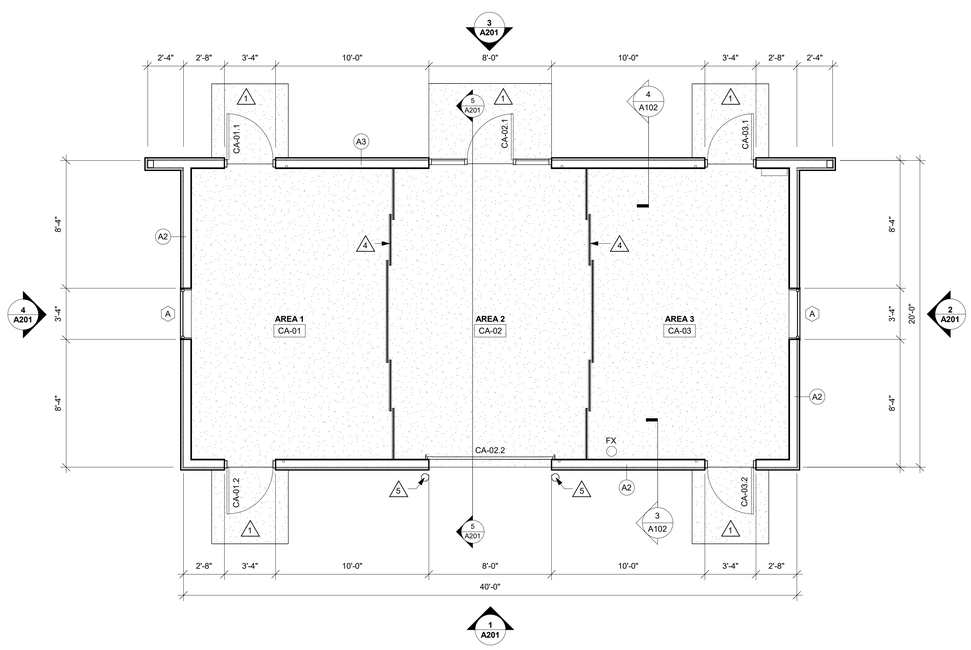


3 WALL SECTION

1/2" = 1'-0"

4 WALL SECTION

1/2" = 1'-0"



1 COMMERCIAL FLOOR PLAN - BUILDING A, C AND D

1/4" = 1'-0"

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Consultant:

Project Title: **WESTERN TECHNICAL COLLEGE**
SPARTA PUBLIC SAFETY TRAINING SIM CITY

Project Location: 11177 COUNTY HWY A
SPARTA, WISCONSIN

Sheet Title: **FLOOR PLANS - COMMERCIAL BUILDINGS**

HSR Project Number: **25039-1**

Project Date: **FEBRUARY 2026**

Drawn By: **DJH**

Key Plan:

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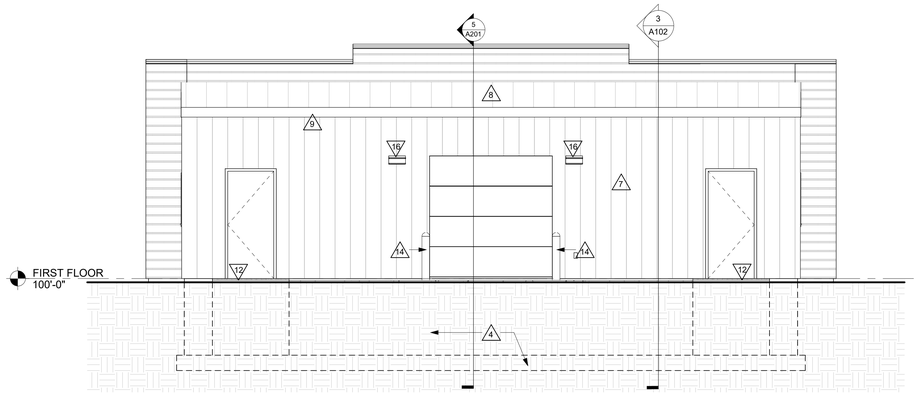
Revisions:

No.	Description	Date
A02	ADDENDUM 2	03-13-2026

Graphic Scale: **VARIES**

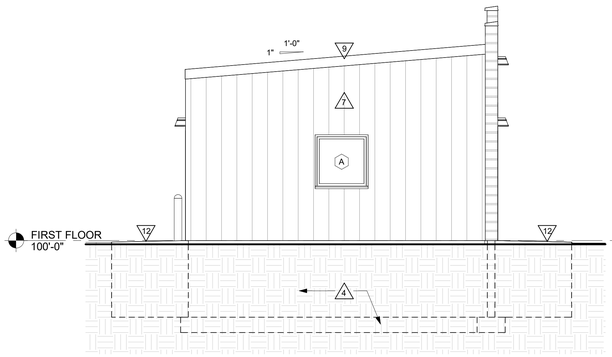
Last Update: **3/12/2026 3:26:08 PM**

A102



1 REAR ELEVATION

1/4" = 1'-0"

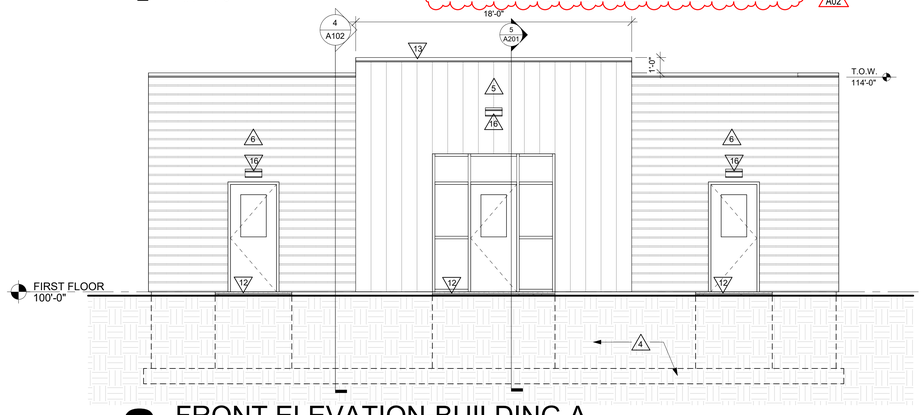


2 SIDE ELEVATION

1/4" = 1'-0"

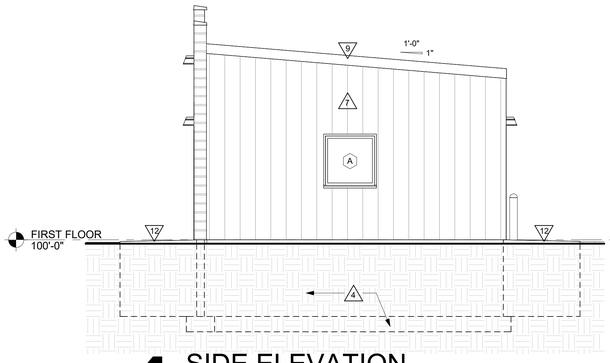
OMIT WINDOW, ADD OVERHEAD DOOR AT COMMERCIAL BUILDING B

A02



3 FRONT ELEVATION-BUILDING A

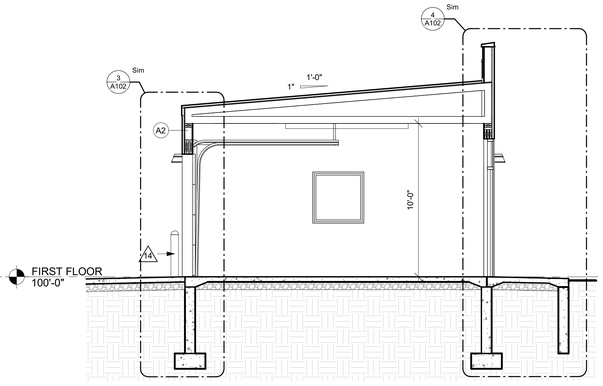
1/4" = 1'-0"



4 SIDE ELEVATION

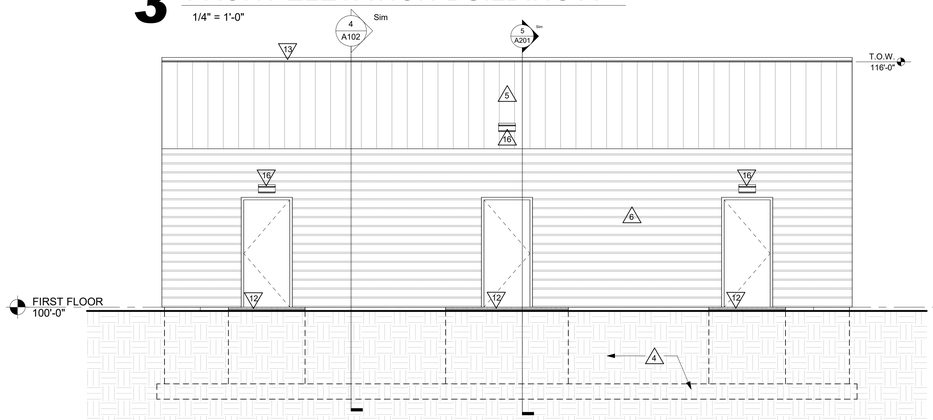
1/4" = 1'-0"

OMIT WINDOW AT COMMERCIAL BUILDING B



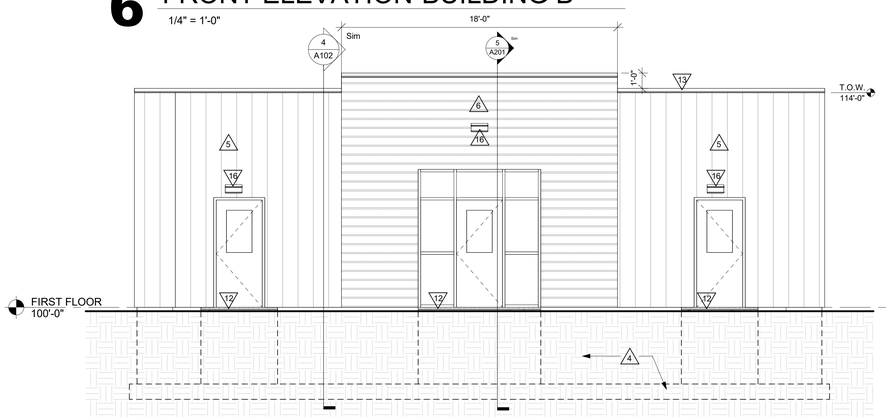
5 BUILDING SECTION

1/4" = 1'-0"



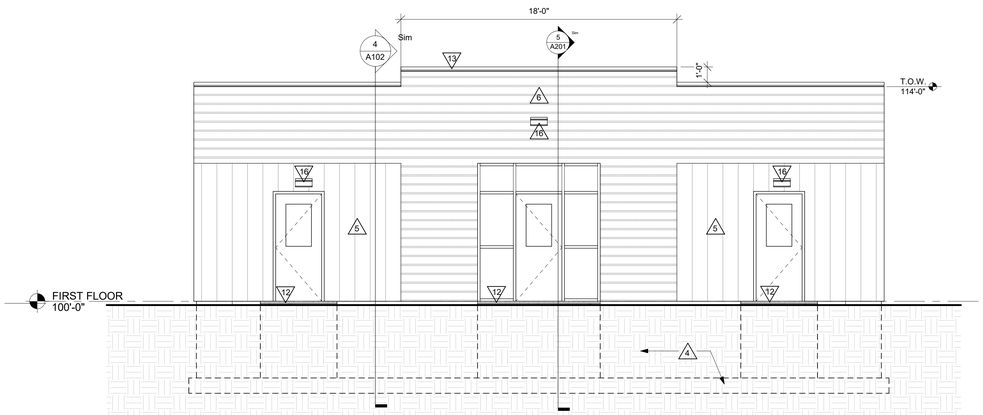
6 FRONT ELEVATION-BUILDING B

1/4" = 1'-0"



8 FRONT ELEVATION-BUILDING C

1/4" = 1'-0"



7 FRONT ELEVATION-BUILDING D

1/4" = 1'-0"

ELEVATION/SECTION KEY NOTES

1	VINYL SIDING.
2	ASPHALT SHINGLES.
3	RIDGE VENT.
4	CONC FOOTING AND FOUNDATION -SEE STRUCTURAL.
5	PREFINISHED ARCHITECTURAL METAL PANELS-TYPE A.
6	PREFINISHED ARCHITECTURAL METAL PANELS-TYPE B.
7	PREFINISHED ARCHITECTURAL METAL PANELS-TYPE C.
8	PREFINISHED METAL ROOFING.
9	PREFINISHED METAL EAVE/RAKE TRIM.
10	CONC STEPS.
11	PREFINISHED METAL CLAD WOOD FASCIA.
12	CONC STOOP.
13	PREFINISHED METAL COPING.
14	BOLLARD - SEE CIVIL.
15	PROVIDE OPENING IN WALL FOR FUTURE MINI-SPLIT MECHANICAL PIPING (BUILDING A ONLY).
16	LIGHT FIXTURE - SEE ELECTRICAL.

ELEVATION GENERAL NOTES:

A. SEE SPECIFICATION FOR MATERIAL TYPE.

ELEVATION LEGEND:

- 1 KEYNOTE TAG
- A WINDOW TAG - SEE SHEET **A600** FOR FRAME ELEVATIONS
- VINYL SIDING
- ARCHITECTURAL METAL PANEL A
- ARCHITECTURAL METAL PANEL B
- ARCHITECTURAL METAL PANEL C

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Consultant:

Project Title: **WESTERN TECHNICAL COLLEGE**
SPARTA PUBLIC SAFETY TRAINING SIM CITY

Project Location: 11177 COUNTY HWY A
SPARTA, WISCONSIN

Sheet Title: **COMMERCIAL BUILDING ELEVATIONS**

HSR Project Number: **25039-1**

Project Date: **FEBRUARY 2026**

Drawn By: **DJH**

Key Plan:

BID SET

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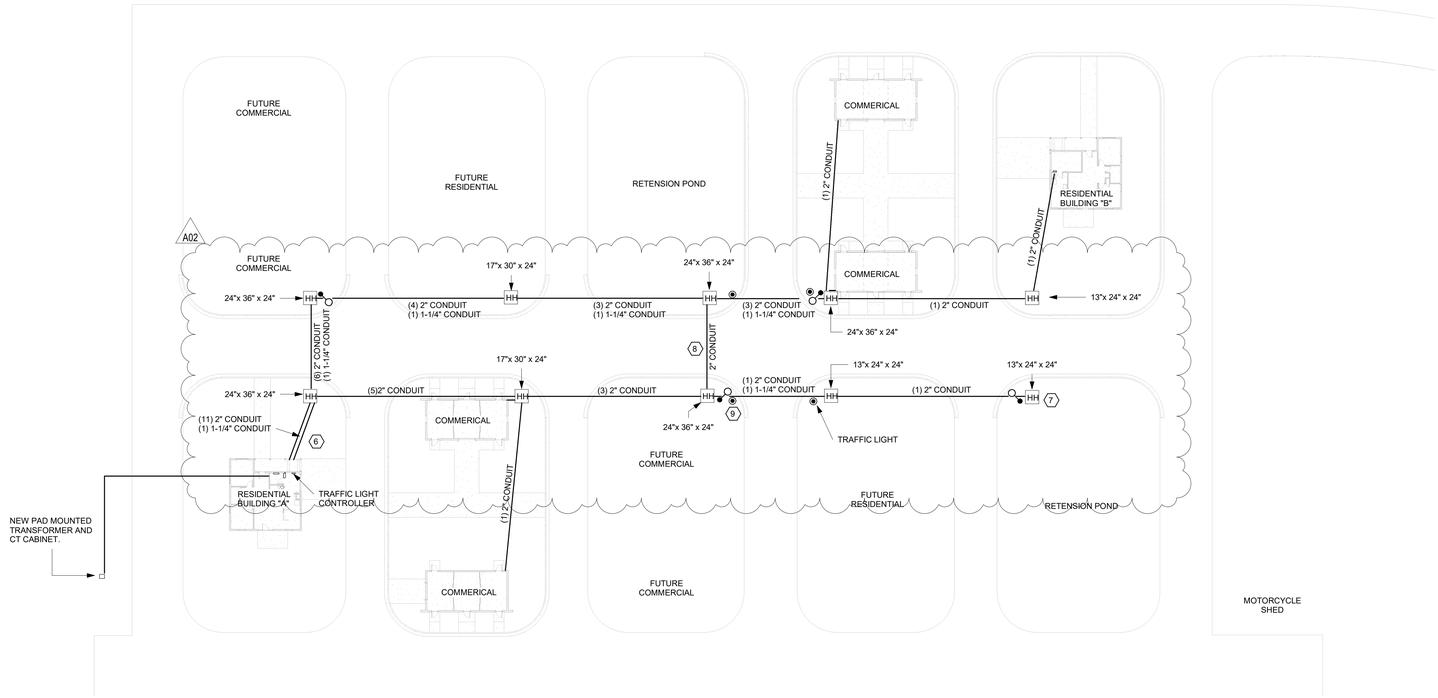
A02	ADDENDUM 2	03-13-2026

Graphic Scale: 0" 1" 2" 4" 6"

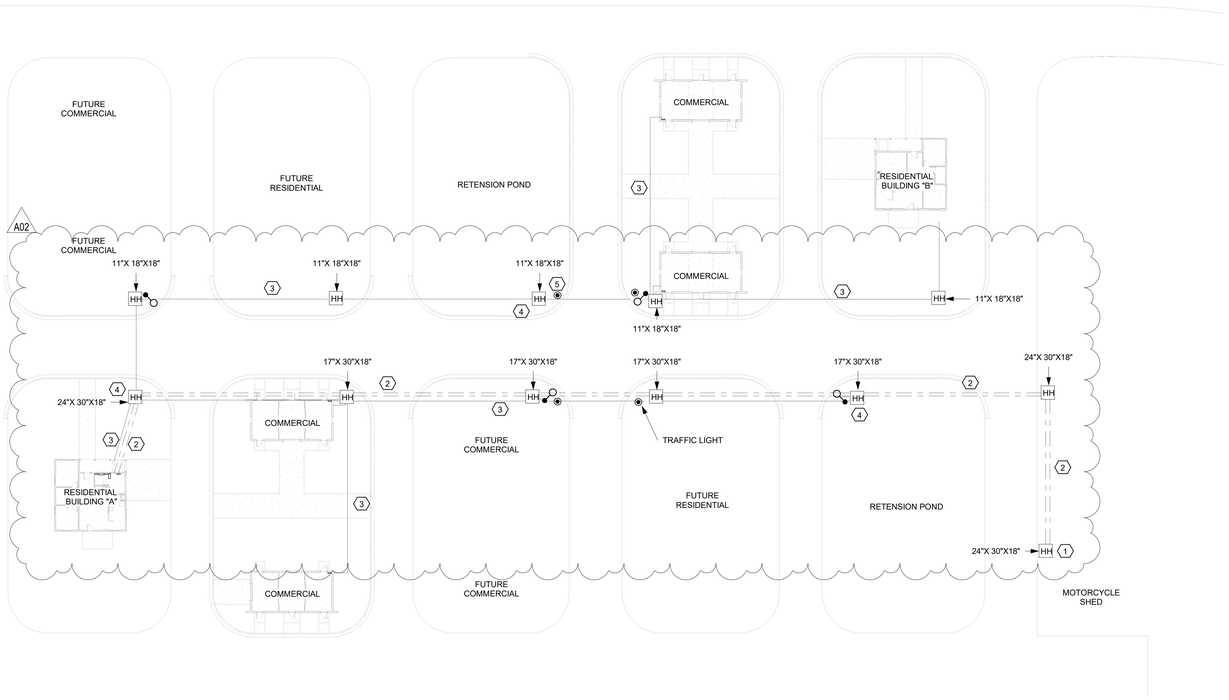
Last Update: **3/12/2026 3:45:32 PM**

A201



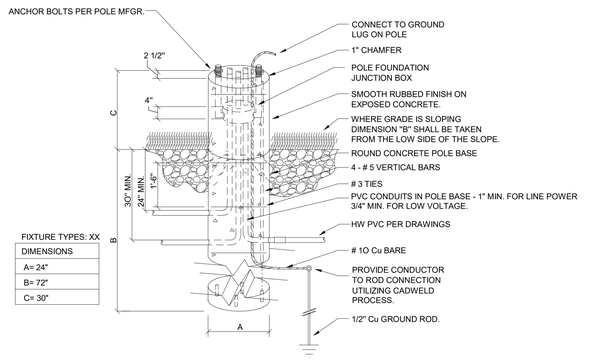
1 SITE PLAN

1" = 30'-0"



2 SITE PLAN LOW VOLTAGE CONDUIT

1" = 30'-0"



3 30in POLE BASE DETAIL

NTS

GENERAL NOTES :

1. PROVIDE GROUND CONDUCTOR IN ALL RACEWAYS.
2. PROVIDE FIRE STOPPING AND SMOKE DRAFT STOPPING AT ALL CONDUIT PENETRATIONS. REFER TO SPECIFICATION SECTION 07 84 00 FOR FIRE RESISTIVE AND NON-FIRE RESISTIVE ASSEMBLIES.
3. THE WORD "PROVIDE" MEANS TO FURNISH AND INSTALL.
4. SEE ARCHITECTURAL SHEETS FOR RELEVANT INTERIOR ELEVATIONS, SECTIONS AND MISCELLANEOUS BUILDING INFORMATION REQUIRED TO COMPLETE THE ELECTRICAL INSTALLATION.
5. CONTROL FOR ALL SITE LIGHTS TO BE PHOTOCELL ON/TIME CLOCK OFF.
6. ALL RECESSED FIXTURES WHICH PENETRATE THE BUILDING ENVELOPE (FROM HEATED SPACE TO A NON HEATED SPACE) SHALL BE PROPERLY SEALED OR BOXED OUT TO ELIMINATE AIR PASSING THROUGH TO ANOTHER SPACE.
7. USE A COMMON TRENCH FOR POWER AND LOW VOLTAGE. REFER TO NEC 830.133.

POLE MOUNTED AREA LIGHTING FIXTURE(S) - SINGLE LUMINAIRE

POLE MOUNTED TRAFFIC LIGHTS. OWNER SUPPLIED.

SITE KEY NOTES : (#)

1. PROVIDE (2) 4" FIBER OPTIC CONDUITS STUBBED IN HAND-HOLE WITH WEATHERPROOF CAP FOR FUTURE.
2. PROVIDE (2) 4" FIBER OPTIC CONDUITS. LOW VOLTAGE CONDUITS TO SHARE HAND-HOLES.
3. PROVIDE 2" PVC CONDUIT WITH PULL STRINGS AND HAND-HOLES FOR FUTURE LOW VOLTAGE CABLING.
4. ALL LOW VOLTAGE CONDUIT TO BE 18" HORIZONTALLY FROM ALL LINE VOLTAGE CONDUITS. LOW VOLTAGE HAND-HOLES TO BE MOUNTED FLUSH WITH GRADE. - TYPICAL.
5. PROVIDE 3/4" PVC CONDUIT FOR NEAREST HAND-HOLE TO EACH SITE LIGHT POLE. FEED UP FROM BASE AND CAP. - TYPICAL.
6. PROVIDE (2) 6" PVC CONDUITS. ONE FOR NORTH BUILDINGS AND ONE FOR SOUTH BUILDINGS.
7. PROVIDE HAND-HOLE AND MOUNTED FLUSH WITH GRADE.
8. PROVIDE 2" CONDUIT UNDER THE STREET TO CONNECT TRAFFIC LIGHTS CONTROLS.
9. PROVIDE 3/4" CONDUIT THROUGH BASE AND STUB WITH WEATHER PROOF CAP. - TYPICAL ALL TRAFFIC LIGHT LOCATIONS.

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Consultant:

Project Title: **WESTERN TECHNICAL COLLEGE**
SPARTA SIM CITY

Project Location: 11177 COUNTY ROAD A
SPARTA WI 54656

Sheet Title: **ELECTRICAL SITE PLANS**

HSR Project Number: **25039**

Project Date: **FEBURARY 2026**

Drawn By: **HSR**

Key Plan:

BID SET

Revisions:

No.	Description	Date
A02	ADDENDUM 2	03-13-2026

Graphic Scale: 0' 7.5' 15' 30' 45'

Last Update: **3/13/2026 2:17:28 PM**

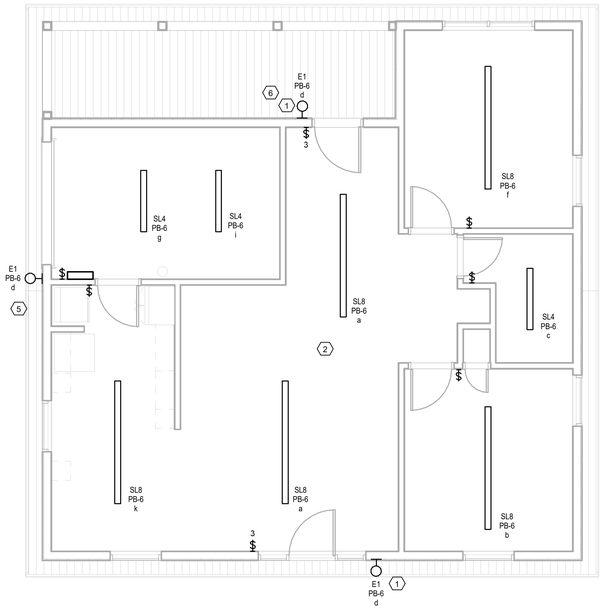
E001

GENERAL NOTES :

A	PROVIDE GROUND CONDUCTOR IN ALL RACEWAYS.
B	PROVIDE FIRE STOPPING AND SMOKE DRAFT STOPPING AT ALL CONDUIT PENETRATIONS. REFER TO SPECIFICATION SECTION 07 84 00 FOR FIRE RESISTIVE AND NON-FIRE RESISTIVE ASSEMBLIES.
C	THE WORD "PROVIDE" MEANS TO FURNISH AND INSTALL
D	CIRCUIT NUMBERS INDICATED ON DRAWINGS ARE FOR REFERENCE. ELECTRICAL CONTRACTOR TO ARRANGE BRANCH CIRCUITS AS REQUIRED FOR WIRING AND LOAD BALANCING. INDICATE ACTUAL PANELBOARD CIRCUIT NUMBERS ON AS-BUILT DRAWINGS.
E	SEE ARCHITECTURAL SHEETS FOR RELEVANT INTERIOR ELEVATIONS, SECTIONS AND MISCELLANEOUS BUILDING INFORMATION REQUIRED TO COMPLETE THE ELECTRICAL INSTALLATION.

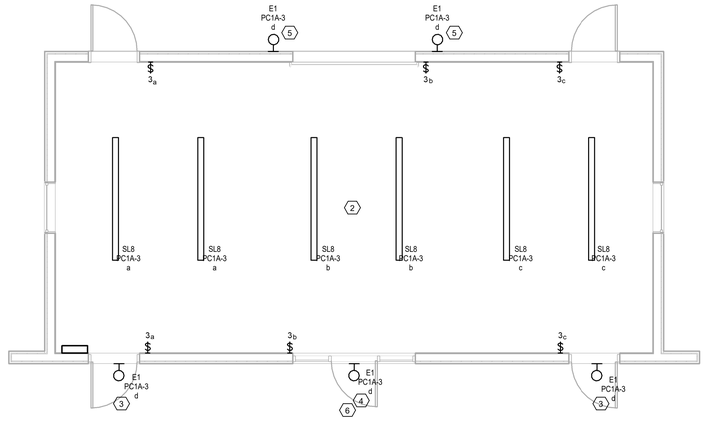
KEY NOTES : ⟨#⟩

1.	MOUNT 7' AFF.
2.	MOUNT FIXTURE TO CEILING. TYPICAL
3.	MOUNT 12" ABOVE DOOR FRAME.
4.	BOTTOM OF FIXTURE 12' AFF.
5.	BOTTOM OF FIXTURE 8' AFF.
6.	FIXTURES ON LIGHTING SWITCH "d" ARE CIRCUITED TO DAYLIGHT SENSOR FOR CONTROL. TYPICAL ALL EXTERIOR AND SITE LIGHTING.
7.	CIRCUIT TO PANEL "IT".



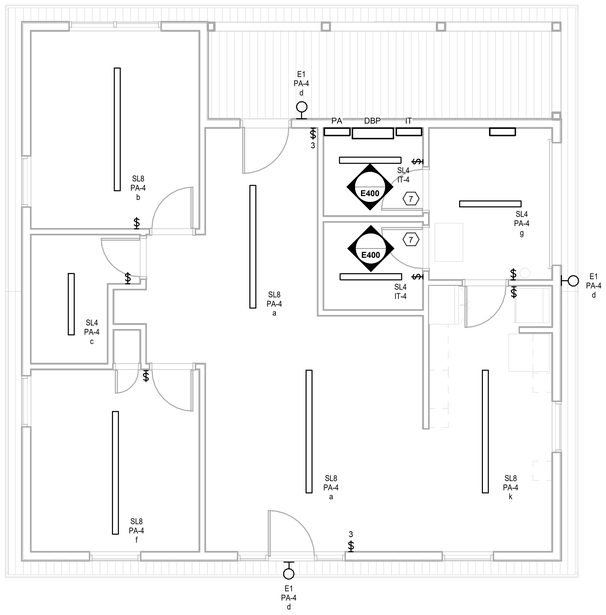
1 RESIDENTIAL UNIT "A" LIGHTING PLAN

1/4" = 1'-0"



2 COMMERCIAL UNIT LIGHTING PLAN - TYPICAL

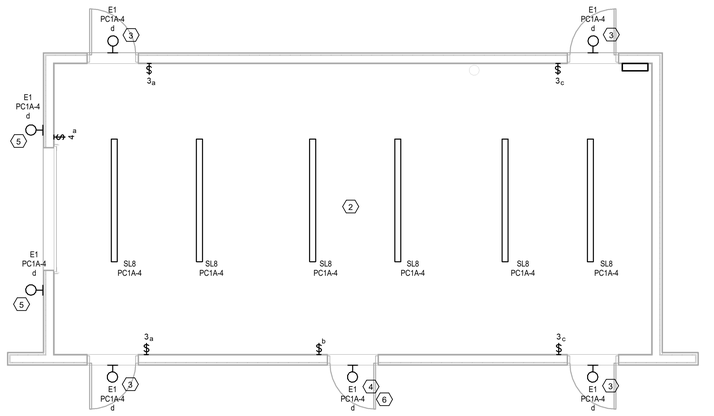
1/4" = 1'-0"



3 RESIDENTIAL UNIT " B" LIGHTING PLAN

1/4" = 1'-0"

A02



4 COMMERCIAL UNIT "B" LIGHTING PLAN

1/4" = 1'-0"

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Project Title: **WESTERN TECHNICAL COLLEGE**
SPARTA SIM CITY

Project Location: 11177 COUNTY ROAD A
SPARTA WI 54656

Sheet Title: **LIGHTING PLANS**

HSR Project Number: **25039**

Project Date: **FEBURARY 2026**

Drawn By: **HSR**

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A02	ADDENDUM 2	03-13-2026

Graphic Scale: 0' 1' 2' 4' 6'

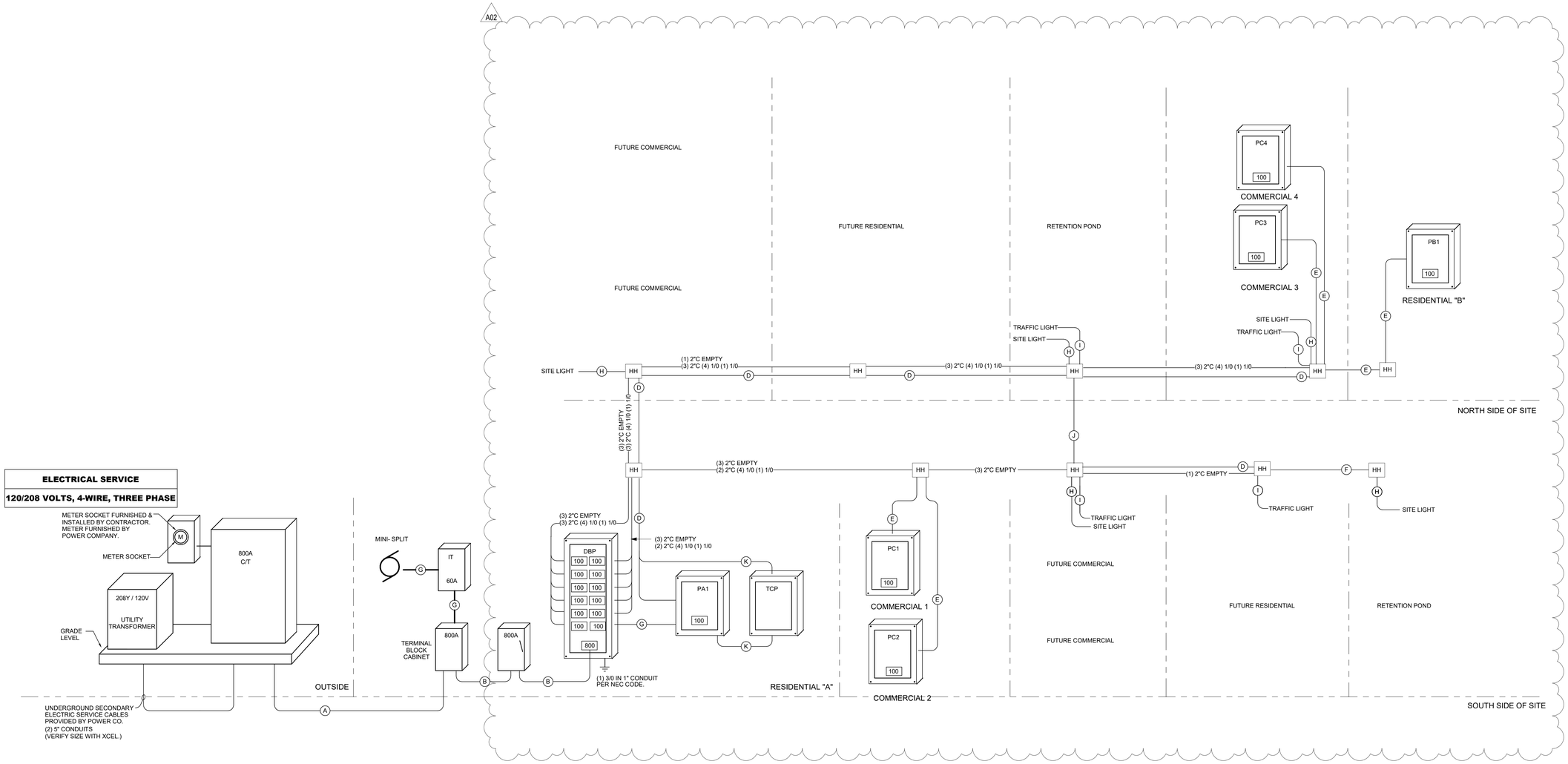
Last Update: **3/13/2026 2:17:31 PM**

E100

FEEDER SCHEDULE

MARK NO.	CONDUIT SIZE	CONDUCTOR SIZE	GROUND SIZE	REMARKS
A	4"	(4) #500 kcmil	-	2 PARALLEL RUNS
B	4"	(4) #500 kcmil	# 3/0	2 PARALLEL RUNS
D	1 1/4"	(3) #10 & (6) #12	(3) # 12	
E	2"	(4) # 1/0	# 1/0	
F	2"	(3) #12	# 12	
G	1"	(3) #6	# 10	
H	3/4"	(3) #10	# 12	
I	3/4"	(3) #12	# 12	

A02



1 RISER DIAGRAM

NTS

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

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Consultant:

Project Title: **WESTERN TECHNICAL COLLEGE**
SPARTA SIM CITY

Project Location: 11177 COUNTY ROAD A
SPARTA WI 54656

Sheet Title: **ELECTRICAL RISER**

HSR Project Number: **25039**

Project Date: **FEBURARY 2026**

Drawn By: **HSR**

Key Plan:

BID SET

Revisions:

No.	Description	Date
A02	ADDENDUM 2	03-13-2026

Graphic Scale:

Last Update: **3/13/2026 2:17:31 PM**

E700