

STATE TRUNK HIGHWAY CONNECTION APPLICATION

Wisconsin Department of Transportation (WisDOT)

DT1504 1/2023 Wis Stat ss 86 07(2)(a) 84 09 84 25 84 295 & Wis Adm Code Ch. Trans 231

| */0   | FTRAN   | D11504   | 1/2023 Wis. Stat                              | . SS. 86.0              | 7(2)(a), 84            | .09, 84.2             | 5, 84.295  | o & vvis.                | Aam. Coae (  | n. Trans 231                     |                             |                           |
|---|---|--|---|-------------------------|------------------------|-----------------------|--|--------------------------|--|----------------------------------|-----------------------------|---------------------------|
| <ul> <li>Use this form to apply for a new connection to a state trunk highway (S<br/>removing, or allowing an existing connection.</li> </ul>   |   |  |   |                         |                        |                       | r altering   | J,                       | SHOPS Trac   | cking #: 22-                     | 10033                       | 3525-2024                 |
| <ul> <li>If the property has any legal restrictions that prohibit access to a STH, W</li> </ul>   |   |  |   |                         |                        |                       | cannot a   | pprove                   | Ж  |                                  |                             |                           |
| a STH connection for the property.  |   |  |   |                         |                        |                       |  |                          |  | Southwest Re                     |                             |                           |
| <ul> <li>One DT1504 form is required per connection. Please type or print neather required information on all pages of this form per the instructions. For mental pages.</li> </ul>                     |   |  |   |                         |                        |                       |  |                          | O F 8  | 550 Mormor                       |                             |                           |
| <u> </u>  | ittps   | s://wisconsindot.gov/Pages   | s/doing-bus/real-esta                         | te/permit               | s/connection           | ons.aspx              |  |                          | 5 E  | a Crosse, W                      | 1 540                       | U I                       |
|   |   | vide a copy of the proper<br>perty surveys.  | rty deed, title work r                        | related to              | the prope              | erty purc             | hase, ar   | nd any                   | × ×  |                                  |                             |                           |
|   | i   | Applicant Name and Maili   | ng Address                                    | 2. Proper               | ty Owner Na            | ame and M             | lailing Add  | dress                    | 3. If Not Pro  | perty Owner, Re                  | eason fo                    | r Request                 |
| F   | NFORMATION  | (Street/PO Box, City, State, ZIP Code) (If not applicant)  |   |                         | applicant)             |                       |  |                          |  |                                  |                             | •                         |
| CAI   | ИAТ   | Village of Muscoda<br>206 N Wisconsin Aver   | nue   |                         |                        |                       |  |                          |  |                                  |                             |                           |
| APPLICANT   | ORI   | Muscoda WI, 53573  |   |                         |                        |                       |  |                          |  |                                  |                             |                           |
| ⋖.  | N N   |  |   |                         |                        |                       |  |                          |  |                                  |                             |                           |
|   |   | 4 History North and  | 5 0   |                         |                        | N                     |  |                          | 7 0:444-   | - 1 E-b                          |                             |                           |
| N   |   | 4. Highway Number(s)   | 5. County                                     |                         | 6. City                |                       | ge 🔲 ro  | wn                       | 7. Side of th  |                                  |                             | 🗆                         |
| ATIC  | _   | '80'/'133'   | Grant   |                         | of: Musc               | oda                   |  |                          |  | ⊠ South                          | Ш                           | East                      |
| 00-   |   | 8. Located within the:   |   |                         |                        |                       |  |                          | 9. Fire or Sti   | reet Number (If                  | applicab                    | ile)                      |
| N C   | MΑ  | NE Quarter, of the SE  | Quarter, Section 1                            | 12, Towr                | 8 North,               | Range                 | 1W   |                          |  |                                  |                             |                           |
| CONNECTION LOCATION   | INFORMATION   | 10. Name of Nearest Side R   | oad from Location                             | Distan                  | ce and Dire            | ction from            | the Side F   | Road                     |  | is the location fr               | rom the                     |                           |
| N.  | Z   | Millor Pood  |   |                         | 690 ft                 |                       | E  | <b>=</b>                 |  | non-side road<br>on (driveway or | trail                       | 220 ft                    |
| Col   |   | Miller Road  |   |                         | (Feet or Miles)        | )                     | (N, S, E   | , W, A)                  | crossing   | ) on the same h                  | ighway?                     | (Feet or Miles)           |
|   |   | Latitude and Longitude (Fille  | d in by WisDOT):                              | 4:                      | 3.1827, -9             | 90.4316               |  |                          |  | 1                                |                             |                           |
| ш   |   | 12. Proposed Activity (Check one – See instructi   |   |                         |                        |                       |  | . ,                      |  |                                  |                             | Per Day (Check one)       |
| Түр   | Z<br>C  | Urban – Commercial/Industrial  |   |                         |                        |                       |  |                          | l/Industrial   | Seaso                            | nal                         | ∑ 51-100<br>□ 404 4000    |
| NO  | ΑΤΈ   | ☐ Construct New       ☐ Urban – Residential         ☐ Remove Existing       ☐ Public Road         ☐ Allow Existing       ☐ Trail or Trail Crossing |   |                         |                        | Rura                  | al – Res<br>al – Agri                                |                          |  | ☐ 1-25<br>☐ 26-50                |                             | ☐ 101-1000<br>☐ Over 1000 |
| CTI   | OR M  |  |   |                         |                        |                       | -  |                          | → Peak hour  | traffic c                        | _                           |                           |
| CONNECTION TYPE   | INFORMATION   |  |   |                         |                        |                       | 14. Propo  | sed Width                | n: 36'   |                                  |                             | ESTIONS 17-27.            |
| ပိ  |   | Choose all applicable items from the lists ⇒   |   |                         |                        |                       | 15. Proposed Surface: Asphalt                        |                          | SEE PAGE 3 FOR INDEMNIFICATION. SEE PAGES 4-6 FOR CONDITIONS |                                  |                             |                           |
|   | IS. Proposed Surface. Aspirate AND PROVISONS.   |  |   |                         |                        |                       |  |                          |  |                                  |                             |                           |
| x Mark Doyle 7/30/2023 608  |   |  |   |                         |                        | 8-348-5               | 355  |                          | DoyleM@de  | elta3er                          | na.biz                      |                           |
| (F  | rope  | erty Owner or Authorized Represen  | tative)                                       |                         | (Date)                 | (Area Co              | ode and Tele   | ephone #)                |  | (Email a                         |                             |                           |
|   | The   | e applicant affirms that a complete information ma   | all information prov<br>ly result in permit d | ided on a<br>enial or r | and submi<br>evocation | itted with<br>as well | this for<br>as crimi                                 | m is cor<br>nal pros     | rect and co<br>ecution und                                   | mplete. Prov<br>ler Wis. Stat.   | viding i<br>s. <u>946</u> . | ncorrect or 32.           |
|   |   | <b>♣</b> Comp  | leted by Wisconsin                            | Departm                 | ent of Tra             | <mark>nsportat</mark> | ion – RE   | VIEW A                   | FTER PERM  | <mark>IIT ISSUANCI</mark>        | E ₩                         |                           |
|   |   | oplication DISMISSED   |   | 0011706                 |                        |                       |  |                          |  | SUANCE #1-                       |                             |                           |
|   |   | S RIGHTS (1) NOT OWNED E<br>WIS. STAT. S. 84.25 or 84.29   |   |                         |                        |                       |  |                          |  | X Supplem                        | י עם שנ                     | ☐ Special                 |
| П   | Pe  | ermit DENIED   |   |                         |                        |                       |  | •                        |  | ion required                     |                             |                           |
| MAY BY APPEALED LINDER WIS STAT S 86 073  |   |  |   |                         |                        |                       | •  | mance bon<br>es permit # | •  |                                  |                             |                           |
| WORK Permit APPROVED  |   |  |   |                         |                        |                       |  |                          | ect plat ID :  |                                  |                             |                           |
| ONLY FOR PERFORMING WORK ON STATE TRUNK HIGHWAY (STH) RIGHT- OF-WAY UNDER WIS. STAT. S. 86.07(2)(a). THIS PERMIT IS REVOCABLE.  Transportation project that "  Temporary access. Expiration date below. |   |  |   |                         |                        |                       |  |                          |  |                                  |                             |                           |
|   |   |  |   |                         |                        | ☐ Sha                 | red (  | Co-user                  | name(s):   |                                  |                             |                           |
|   | DOCUMENTATION of Authorized Access Point APPROVED BY WISDOT UNDER PREVIOUS WIS. STAT. S. 84.25 PROJECT. |  |   |                         |                        |                       | Shared Co-user name(s):  Connection Related ID #(s): |                          |  |                                  |                             |                           |
| THIS IS NOT A PERMIT BUT SERVES TO DOCUMENT THE TYPE, USE, TRIPS PER DAY, CONFIGURATION, DRAINAGE, ETC. FOR THE STH CONNECTION.   |   |  |   |                         |                        | Misc. in              |  | tolatou                  | (0).   |                                  |                             |                           |
| CONNECTION Permit APPROVED  |   |  |   |                         |                        |                       |  |                          |  |                                  | 1                           |                           |
| DOES NOT CREATE A RIGHT OF ACCESS OR ACCESS EASEMENT FOR THE  |   |  | <u>'</u>                                      |                         | March 11,              | *                     |  |                          |  |                                  |                             |                           |
| PROPERTY. THIS PERMIT IS REVOCABLE.  Application Completion Date  Approved Work Start Date  |   |  |   | Appro                   | oved Work Finish Date  |                       |  |                          |  |                                  |                             |                           |
| X   | N)e   | enoly Maun   |   | March                   | 11, 2024               | 22-10033              | 3525-2024  | March                    | 11, 2024   |                                  |                             |                           |
|   | (Wis  | DOT Authorized Representative S  | ignature – If Computer-filled                 | d, Brush Scri           | pt Font)               | Permit                | Number   | Issua                    | ance Date  | Work Extension                   | n Date                      | Expiration Date           |
|   |   |  |   |                         |                        |                       |  |                          |  |                                  |                             |                           |

| 17.        | Yes   | ☐ No    | Is the property zoned? Provide documentation from the jurisdictional zoning authority.   |  |  |
|------------|---|---------|--|--|--|
| 18.        |   |         | Explain how the land is currently being used: Currently, this is being used as a public road to access the business/industrial park within the Village               |  |  |
| 19.        | ☐ Yes   | ⊠ No    | Are you aware of any plan to change the zoning or land use for the property? If yes, explain.  |  |  |
| 20.        | ☐ Yes   | ⊠ No    | Is this connection for property that was part of a land division or assemblage created on or after 2/1/99? If yes, explain.  |  |  |
| 21.        | ☐ Yes   | ⊠ No    | Do you own other property abutting the highway that is next to the property that this connection will serve? If yes, explain. Connection is currently a public road. |  |  |
| 22.        | ☐ Yes   | ⊠ No    | Does the property abut or border other public roads? If yes, provide all road names.  Connection is currently a public road.   |  |  |
| 23.        | ☐ Yes   | ⊠ No    | Are there any existing connections to any road serving the property? If yes, how many?  Connection is currently a public road.                                       |  |  |
| 24.        | ☐ Yes   | ⊠ No    | Are there any restrictions on the number, use, or location of connections to the property? If yes, explain.  Connection is currently a public road.                  |  |  |
| 25.        | ☐ Yes   | ⊠ No    | Are there any access easements across the property (recorded or unrecorded)? If yes, explain.  Connection is currently a public road.                                |  |  |
| <b>→</b> Λ | → Note: If you answered "yes" to question (Q) 24 or 25, provide a copy of all documents relevant to the restrictions and/or easements |         |  |  |  |
| 26.        | 6. Provide the property tax identification number: Connection is currently a public road.   |         |  |  |  |
| 27.        | List the  | oropose | ed work start and finish dates for construction of the connection.  Start: Upon Start: Approval Not Applicable   |  |  |

FOR ANY NEW OR RELOCATED CONNECTION, APPLICANT SHALL PLACE A FLAG OR MARKER IN THE HIGHWAY DITCH OR FORESLOPE (VISIBLE FROM THE HIGHWAY) AT THE PROPOSED LOCATION.

### INDEMNIFICATION

The Permittee shall save and hold the State, its officers, employees, agents, and all private and governmental contractors and subcontractors with the State under Chapter 84 Wisconsin Statutes, harmless from actions of any nature whatsoever (including any by the Permittee himself/herself) which arise out of, or are connected with, or are claimed to arise out of or be connected with any of the following:

- 1. Any of the work done by the Permittee, or Permittee's contractors or agents (collectively "WORKERS").
- 2. The construction or maintenance of facilities by the Permittee or WORKERS, pursuant to this permit or any other permit issued by the State for construction of facilities within the highway.
- 3. As a result of action or inaction by Permittee or WORKERS resulting in damage to another that occurs:
  - a. While the Permittee or WORKERS are performing work, or
  - b. While any of the Permittee's or WORKER's property, equipment, or personnel, are in or about such place or the vicinity thereof, or
  - c. While any property constructed, placed, or operated by or on behalf of Permittee or WORKERS remains on the State's property or right-of-way pursuant to this permit or any other permit issued by the State.

This hold harmless provision applies, without limiting the generality of the foregoing, to all liability, damages, loss, expense, claims, demands and actions on account of personal injury, death or property loss to the State, its officers, employees, agents, contractors, subcontractors or frequenters, to the Permittee or WORKERS, their employees, agents, contractors, subcontractors or frequenters, or to any other persons, whether based upon, or claimed to be based upon, statutory (including, without limiting the generality of the foregoing, worker's compensation), contractual, tort, or whether or not caused or claimed to have been caused by active or inactive negligence or other breach of duty by the State, its officers, employees, agents, contractors, subcontractors or frequenters, Permittee, WORKERS, their employees, agents, contractors, subcontractors or frequenters; or any other person.

Without limiting the generality of the foregoing, the liability, damage, loss, expense, claims, demands and actions indemnified against shall include all liability, damage, loss, expense, claims, demands and actions for damage to any property, caused by Permittee or WORKERS pursuant to this permit or any other permit issued by the State for damage to property, lines or facilities on highway right-of-way resulting in any loss of power, telephone service, communications, data, information, or material; or involving property rights any other person of any kind whatsoever.

The Permittee shall at his/her own expense investigate all such claims and demands, attend to their settlement or other disposition, defend all actions based thereon and pay all charges of attorneys and all other costs and expenses of any kind arising from any such liability, damage, loss, claims, demands and actions.

All facilities constructed within the highway right-of-way by Permittee become the property of the State of Wisconsin, Department of Transportation, and may be altered or removed by the maintaining authority of the highway in accordance with state law.

Any transfer, whether voluntary or involuntary, of ownership or control of any property constructed, placed, or operated by or on behalf of the Permittee or WORKERS that remains on the State's property or right-of-way pursuant to this permit shall not release Permittee from any of the indemnification requirements of this permit. Any acceptance by any other person or entity, whether voluntary or involuntary, of ownership or control of any property constructed, placed, or operated by or on behalf of the Permittee or WORKERS that remains on the State's property or right-of-way pursuant to this permit, shall include acceptance of all indemnification requirements of this permit by the other person or entity receiving ownership or control.

### **GENERAL CONDITIONS OF ISSUANCE**

- 1. All connections have restrictions that are documented in the preprinted and filled-in information on this form along with any conditions, covenants, supplemental and special provisions, superimposed notes, and detail drawings added by WisDOT. In addition to WisDOT's approval, permittee shall also comply with relevant state statutes and administrative rules, plus any laws, codes, rules, regulations, ordinances, and permit requirements of other jurisdictional agencies. Alteration of this form by the permittee is prohibited.
- 2. The permit authorizes the work for the applicant ("permittee") indicated on this permit. It does not grant authority for the work of any other, either by present or future installation.
- 3. Comply with this permit in its entirety. Failure to comply with any part of this permit is the permittee's responsibility, which includes full restitution of any costs WisDOT incurs to remedy non-compliance acts and may include treble damages under Wis. Stat. s. <u>86.02</u>. Further, if permittee fails to comply with any permit term, and WisDOT seeks to compel compliance by the permittee, enforce a permit term, revoke this permit, or recover costs associated with completing work required under this permit or redoing work not up to standards or specifications, permittee shall also be responsible for paying a sum that reimburses the State for time expended by its attorneys working on the matter and all court costs, and agrees that the venue for any court action related to enforcement of this permit shall be Dane County, Wisconsin.
- 4. Immediately cure any violation of this permit, particularly any failure to maintain a safe work site and proper work zone traffic control. Failure to do so may result in WisDOT stopping further work, removing permittee from the highway ROW, revoking the permit or any combination of these actions.
- Except in cases where the permitted connection is constructed by forces acting on behalf of WisDOT as part of a highway improvement or maintenance project, the permittee shall do all of the following:
  - (a) Furnish all materials, do all work, and pay all costs for construction and maintenance of the connection and its appurtenances in the right-of-way (ROW). Use the appropriate materials and type and quality of the work for the connection type specified in this permit.
  - (b) Do all work without jeopardy to, or interference with, traffic using the highway
  - (c) Be responsible for all additional work WisDOT deems necessary due to plan error, omission, or unknown or changed field conditions
  - (d) Maintain the connection and its appurtenances within ROW limits, which includes keeping them in a proper state of repair, preventing the blockage or impairment of ROW drainage, and preventing aboveground obstacles to occur that may cause serious injury or death to a motorist
  - (e) Do not disturb or cause the disturbance of any survey marker without the **prior written approval** of WisDOT
- 6. The permittee shall not make any changes to the connection, its appurtenances, or highway ROW, including, without limitation, changes to the location (Q4-11), use (Q13), width (Q14), surface (Q15), or increase the number of trips per day (Q16) indicated by this permit without obtaining prior written approval from WisDOT. WisDOT will evaluate all potential highway impacts that may arise from any proposed change(s) and therefore, does not guarantee approval.
- 7. WisDOT does not assume any responsibility for removal or clearance of snow, ice, or sleet, or the opening of windrows of such material upon any portion of any connection along any state trunk highway even though snow, ice, or sleet is deposited or windrowed on said connection by its authorized representative while performing normal winter maintenance operations. No snow, ice, or sleet removed from the connection shall be deposited on any highway pavement or shoulder or in a manner that creates a safety hazard or obstruction to highway drainage.
- 8. Rock, asphalt, concrete, timber, or other embankment retention or marking treatments for the connection are prohibited. A wooden, plastic or metal post with or without blue reflector(s) may be installed on each side connection. Wooden posts shall not have a cross-sectional area above the ground line of more than 14 square inches (4" x 4" square or 4" diameter posts are acceptable) or the affected cross-section area shall be reduced by drilling or a saw cut. Drill holes or saw scoring shall be approximately 4" above the ground. Metal or plastic posts shall not be stronger than the equivalent of a 1½" diameter standard metal pipe. The use of red or amber reflectors are prohibited under Wis. Stat. s. 346.41(3).

- 9. WisDOT reserves the right to revoke any permit issued. WisDOT also reserves the right to make such changes, additions, repairs, relocations, and removals within statutory limits to the connection or its appurtenances on the ROW as may at any time be considered necessary to facilitate highway relocation, reconstruction, widening, and maintenance, or to provide proper protection to life and property on or adjacent to the highway, or if alternative access to the property becomes available.
- 10. If the permitted work has not been started by the Approved Work Finish Date, this permit is null and void. If the work has been started but not completed by the Approved Work Finish Date, no additional work shall be done unless authorized through an approved Work Extension Date or a subsequent permit from WisDOT. WisDOT does not guarantee approval of a time extension or subsequent permit since the conditions WisDOT based its permit approval upon may have changed between the permit issuance date and time extension request date. Accomplishment of any part of the work shall verify agreement by the permittee to conform to this permit and to be bound by all of its requirements, restrictions, and obligations, all of which shall continue to be in full force and effect.
- 11. Any connection-related improvement constructed within the highway becomes part of the highway and is subject to the jurisdiction of the maintaining authority of the highway. Issuance of this permit does not guarantee in the future that the connection will remain in place or be allowed to function in the same manner as when it was installed. WisDOT or any other authority with jurisdiction over the highway may alter the highway in such a manner that changes the connection's function by installing medians, lanes, or traffic control devices, or may require that the connection be closed entirely. WisDOT attempts, in exercising its police powers, to avoid unreasonably restricting property access to a highway. Abutting landowners are generally not entitled to compensation for changes made to the highway by the maintaining authority for police power activities.
- 12. The permittee agrees that any connection constructed by or for the permittee is for the purpose of obtaining access to the property listed in Q26. The connection shall not be used for parking or servicing vehicles, or for advertising, storing, or selling goods on the ROW.

### **WORK ZONES**

- 13. Install warning signs, devices, and processes prior to the start of any permitted work within the highway ROW and ensure all are fully functional and maintained to protect the public, workers, and the work site until all permitted work is complete. Comply with the Wisconsin Manual of Uniform Traffic Control Devices or Work Zone Field Manual, current editions, for appropriate sizes, designs, and configurations of warning signs and devices. Provide and maintain the quantity of signs and devices therein described, and supplement those with additional signs, devices, and flaggers as necessary to functionally protect people and property from injury or damage always and under all conditions, including changed or changing conditions. Wear retroreflective safety vests while working within the highway ROW.
- 14. Secure the work site and associated traffic control zone against any hazard to the public, both when the site is attended and unattended during off-hours, holidays, and nighttime hours. This includes vehicles, equipment, and materials.
- 15. Do not keep vehicles, equipment, or materials related to this permit within the highway ROW limits except those items that are actively being used in the work operation.
- Perform all permitted work without obstructing or closing any part of any travel lane or fully closing any road unless authorized by WisDOT.
- 17. Derive no direct access to install, maintain, or repair the permitted connection from a freeway travel lane, shoulder, or from any interchange ramp unless authorized by WisDOT in this permit. If access is needed due to an emergency, immediately contact the Wisconsin State Patrol and WisDOT Region Office listed on this permit. Use of freeway median crossovers to make U-turns or obtain highway access is prohibited and subject to law enforcement citation.
- Any disturbance to, operation within, or use of a highway median is prohibited unless authorized by WisDOT in this permit.
- 19. Coordinate the permitted work and in no case interfere with any ongoing highway improvement project.

### CONSTRUCTION

- Notify the WisDOT representative listed on this permit 3 days before starting any work and call Diggers' Hotline 811 or (800) 242-8511.
- 21. Determine the locations of any existing facilities in the area affected by the permitted work and protect or take actions needed to protect them from any damage. All notifications to facility owners, including but not limited to utilities, are the permittee's responsibility.
- 22. Always keep a complete copy of the permit (which may be electronic) at the job site when the permitted work is ongoing. Also keep a copy with a project manager or supervisor familiar with the permit and all of its details and requirements.
- 23. Under Wis. Adm. Code Ch. Trans 401, always implement erosion control best management practices (BMPs) prior to and during work operations. Provide and maintain erosion control BMPs to protect all restored areas upon completion of the permitted work until replacement vegetation achieves sustained growth. Trans 401 designations for minor or major projects in this permit are the same as utility projects. A project is either minor or major but not both.
- 24. Construction methods shall meet the requirements of this permit and be performed in accordance with methods and procedures set forth in the current edition of WisDOT's <u>Standard Specifications for Highway</u> and Structure Construction.
- 25. Install the connection in the specified permit location. Upon discovery of any error in placement or upon WisDOT order, move any part of the connection to the correct location. Any connection part located other than as specified in this permit exists at permittee's sole risk. Accordingly, if the same is undetected or is suffered to remain in variance to the permit, the permittee shall hold the State, its employees, agents, and officers harmless and free of any cost, claim or liability associated with any accidental damage to such facility that may result from a highway construction, maintenance, traffic control, or ROW management project or function.
- 26. The permittee may be required to excavate part of the ditch bottom or backslope to properly install a culvert endwall. Direct questions about this work to the WisDOT Region office that issued this permit.
- 27. Do not at any time open any greater length of trench than necessary to maintain essential work progress. Use temporary sheeting, shoring, or trench boxes as needed to prevent cave-ins.
- 28. Comply with applicable laws, rules, policies, and regulations when acting under this permit especially when within tribal or federal lands. Provide documentation as needed when on WisDOT ROW to prove compliance or coordination with the following agencies:
  - Wisconsin Historical Society to avoid or mitigate any potential cultural resource (archeological, historical, burial site, etc.) impacts per Wis. Stat. s. 44.40.
  - Department of Natural Resources to avoid or mitigate any potential stormwater runoff, site erosion, wetland, waterway, and endangered or threatened species impacts.
- Comply with all applicable regulations and codes, including, but not limited to, the U.S. Department of Labor, Occupational Safety and Health Administration, <u>29 CFR Part 1926</u> for construction safety precautions and operations.

### **AFTER CONSTRUCTION**

- 30. Send electronic notice to the WisDOT representative who approved the permit within 10 calendar days of completing the work including all restoration. Notice may also be sent via telephone or regular mail.
- 31. Cure faults related to work or facilities under this permit that, in WisDOT's opinion, obstruct highway drainage or in any other manner adversely affect highway maintenance or operation, and restore the ROW as directed by and to WisDOT's satisfaction.
- 32. Alter the permitted connection as may be ordered by WisDOT to facilitate highway improvements, safety, operations, or maintenance. Accept all costs of constructing, maintaining, altering, temporarily moving, or relocating the permitted connection.

### RESTORATION

- 33. All restoration work shall meet qualities, grades, compactions, and conditions of this permit and be performed in accordance with the methods and procedures set forth in the current edition of WisDOT's Standard Specifications for Highway and Structure Construction.
- 34. Promptly restore to WisDOT's satisfaction and at least pre-existing conditions any highway facility, surface, shoulder, curb, gutter, sign, sidewalk, driveway, gravel base, ballast, ditch, vegetation, drainage appurtenance, guardrail, electric conduit/cable, or property of any type or other ROW element disturbed by any work under this permit.
- 35. Sawcut all pavement full-depth when open cutting. Restore concrete pavement in conjunction with WisDOT standard detail drawing 13C9. Remove and restore concrete pavement to the nearest joint for full lane width or provide a detailed joint plan for review and approval. The minimum patch dimension is 6 feet by the full lane or shoulder width. High early strength concrete may be specified if needed. For concrete pavement repair guidance, see FDM 14-25-10, Exhibit 10.1. The minimum asphalt patch dimension is 6 feet by the distance to the nearest joint or seam. Only use hot mix asphalt.
- 36. Backfill all excavations permitted within highway pavement or shoulder areas with suitable granular material, placed in lifts or layers 12 inches or less each in depth, and mechanically compact to meet the appropriate density. Do not use water jetting to perform mechanical compaction. Repair to WisDOT's satisfaction any subsequent heaving, settling, or other defects or faults attributable to the permitted work.
- Adjust manhole covers, shut-off and regulator valves, and like facilities to the level of the immediately adjacent grades.
- 38. Restore any turfed ROW area disturbed under this permit with finegraded topsoil having a depth of not less than 4 inches and reseeded to perennial grass or sodded to WisDOT's satisfaction. Water the planted seed or sod until established.
- 39. Construct smooth and finished slopes at all locations where regraded portions of the highway ROW meet the lands of adjacent property owners. Do not trespass on adjacent property owner's lands.
- 40. Dispose of any brush, trash, or waste materials resulting from the permitted work off the ROW in accordance with applicable solid waste disposal regulations. Dumping or littering is prohibited.
- 41. WisDOT may notify permittee that restoration must be completed by a specific time if it is not done voluntarily without delay. If the permittee fails to satisfactorily complete the restoration by the specific time, WisDOT may arrange for the restoration to be completed and bill permittee accordingly. If this occurs, the permittee shall pay for all restoration costs, which may be tripled under Wis. Stat. s. 86.02.

### **SUPPLEMENTAL PERMIT PROVISIONS (#42-62)**

The permittee shall abide by the following checked provisions:

### STATE HIGHWAY DETOUR

42. Complete a permit application form to detour state highway traffic (DT1479). This permit shall only be in effect if WisDOT approves the matching DT1479 permit.

### **WORK RESTRICTIONS**

43. Daily, holiday, or seasonal work restrictions apply to the permitted work as detailed in the special permit provisions. Review these restrictions with the WisDOT Region Office identified in this permit.

### **NOTIFICATIONS**

- ☐ 44. Contact the WisDOT Region office identified on this permit to arrange for a WisDOT representative to inspect the work site. Perform no work under this permit prior to his/her arrival.
- 45. Contact the WisDOT Region office identified on this permit prior to completing the permitted work to arrange for an inspection by a WisDOT representative before the permittee's contractor or work crew leaves the site.
- ☐ 46. Call WisDOT's Traffic Management Center (TMC) / on a weekly basis or as otherwise determined by the TMC before working on any freeway. The TMC may place restrictions on work times and lane/shoulder closures based upon various special events, oversize freight movements, or daily peak travel times.

(Note: Once a permit is issued, the applicant become the permittee)

### TREE & VEGETATION MANAGEMENT

| 47. | Plant trees or vegetation only in the locations and with the species as detailed on the plans included and approved with this permit, or as WisDOT specifies in the field.  |
|-----|---|
| 48. | Replace trees or vegetation removed with the species and in the manner required in any special provisions of this permit.   |
| 49. | Maintain all plantings according to the attached special permit provisions.   |
| 50. | Do not place any sign or marker identifying the plantings within the highway ROW.   |
| 51. | WisDOT accepts no responsibility for loss occurring to plantings. Be fully aware that plantings are subject to:  Thinning or mortality  Normal hazards from maintenance operations, snow control, and public utility installation, maintenance, or alteration  Trimming or removal when the plantings cause sight distance restrictions or hazardous snow/ice conditions on the highway  Destruction when highway reconstruction is done  Partial or complete abandonment or obliteration, or return to private ownership, if future highway relocations are made  Removal by government authorities, including WisDOT, under Wis. Stat. s. 86.03(3)(a) |
| 52. | Do not cut, trim, or damage trees or vegetation to facilitate the permitted connection's construction or maintenance except as authorized by the owner of such tree or vegetation. (Wis. Stat. s. 86.03) Cleanly cut the exposed ends of any tree roots discovered during excavation with suitable pruning tools immediately after exposure. Comply with all applicable laws, regulations, and local ordinances (even those stricter than WisDOT specifications) that govern the sale, transport, cutting, or pruning of trees and with ANSI A300, which is the generally accepted industry standard for tree care practices.                           |
| 53. | Trim only the trees or vegetation necessary to provide safe clearances or by special provisions. Do not damage non-target trees or vegetation. Do not clear-cut trees or vegetation.  |
| 54. | Survey the trees or vegetation to be removed and inspect jointly with a WisDOT representative prior to starting any work on the highway ROW.  |
| 55. | Do not cut or trim oak trees between April 15 and October 15 to prevent Oak Wilt Disease from spreading unless a thick coat of asphalt base tree paint is applied immediately after <b>any</b> cut, trimming wound, or abrasion made between those dates.   |
| 56. | Remove each stump in the area where cutting is permitted, including stumps created by windfalls or prior cutting, by cutting the stump flush with ground level or removing it with a stump grinding operation. The permittee shall be responsible for any damages to mowing equipment or any vehicle caused by any stump not being cut in accordance with this requirement.   |
| 57. | Treat all deciduous tree stumps with an herbicide approved for use to prevent future sprouting. Do not treat evergreen tree stumps.   |
| 58. | Dispose of all trees, logs, branches, stumps, and other vegetation resulting from cutting and trimming operations off the ROW in the following manner(s). If more than one box is checked, consult the special permit provisions for additional instructions.   |
|     | <ul> <li>Cut trees, logs, or trimmed branches may be chipped and used for mulch on the ROW in a layer not exceeding 3 inches and in a way that does not interfere with highway drainage</li> <li>Permittee may haul materials to a specified location upon receiving the landowner's permission</li> </ul>  |
|     | <ul><li>Permittee may keep the materials</li><li>Other adjacent landowners may keep the materials</li></ul>   |
|     | Haul only the materials that have salvage value to the nearest county highway department or other designated site for public sale or distribution by WisDOT   |
| 59. | Promptly restore all natural highway safety features, including but   |

not limited to, living snow fence and headlamp screens.

### **URBAN CONNECTIONS**

| 60. | Completely remove existing curb and gutter for construction of the  |
|-----|---|
|     | connection. Such removal shall be to the nearest construction joint |
|     | and saw cut to a minimum length of three feet for remnant curb      |
|     | Join all new concrete to existing concrete with No. 4 tie bars.     |

61. Construct the new concrete curb and gutter such that its gutter pan bottom matches the gutter pan bottom of the existing curb and gutter to allow for the drilling of tie bars into the existing concrete pavement and to allow for an asphaltic overlay if the adjacent curb has been previously overlaid with asphalt.

62. Saw cut the existing asphaltic pavement at a sufficient distance to allow for concrete curb and gutter removal and prevent damage of the remaining asphaltic pavement. After sufficient cure time of the new concrete curb and gutter and driveway apron, overlay the curb flange with asphaltic pavement to match existing.

### SPECIAL PERMIT PROVISIONS (#63-A)

The permittee shall also abide by the following provisions:

Permit #: 22-100333525-2024

### SUPPLEMENTAL PROVISIONS (68-A) STH 80/133 Industrial Park, Village of Muscoda, Grant Co.

Pursuant to Wisconsin Statutes and once approved by WisDOT, this permit allows performance of the specific work described over which WisDOT has permit authority. *The permittee shall abide by these general provisions, and any supplemental and/or special provisions.* (ROW = right-of-way)

- Please contact Jay Adams (WisDOT) 608.785.9027 10 days prior to work within the Right of Way.
- Provide a schedule prior to work on ROW.
- Provide the WDNR and/or Municipal/County Construction Permit. (complete 2-29-2024)
- Follow Plans submitted Jan. 17, 2024 and Feb. 29, 2024.
- WORK RESTRICTIONS: Daily, holiday and/or seasonal work restrictions apply to the permitted work as detailed:
  - From noon Friday May 24, 2024 to 6:00 AM Tuesday May 28, 2024 for Memorial Day;
  - From noon Wednesday, July3, 2024 to 6:00 AM Monday, July 8, 2024, for Independence Day;
  - From noon Friday, August 30, 2024 to 6:00 AM Tuesday, September 3, 2024 for Labor Day;
  - From noon Wednesday, November 27, 2024 to 6:00 AM Monday, December 2, 2024 for Thanksgiving.

### • Traffic Management:

- Signage should follow Wisconsin Manual on Uniform Traffic Control Devices.
- If closing a lane or shoulder, Provide the following advance notification to the engineer for incorporation into the Wisconsin Lane Closure System (LCS). ( <a href="https://transportal.cee.wisc.edu/closures/">https://transportal.cee.wisc.edu/closures/</a>)
- Any highway open to traffic that has an aggregate surface must be repaved with HMA within 72 hours or by the end of the week whichever occurs first.
- Flaggers, if used, must be certified.
- Do not store equipment or materials within 10' of traffic.
- Any drop-off greater than 2" needs to be protected by a 3:1 slope or temporary concrete barrier is required. Follow WisDOT Standard Specification 104.6.1.2.3 and other related specifications.

### Wisconsin Lane Closure System Advance Notification:

### TABLE 108-1 CLOSURE TYPE AND REQUIRED MINIMUM ADVANCE NOTIFICATION

| MELL 100 1 GLOSONE I II ZAMB NEGOMED IMMINION AB TANGE NO IN IGANION  |                      |
|---|----------------------|
| Closure type with height, weight, or width restrictions (available width, all lanes in one direction < 16')   | MINIMUM NOTIFICATION |
| Lane and shoulder closures  | 7 calendar days      |
| Full roadway closures   | 7 calendar days      |
| Detours   | 7 calendar days      |
| Closure type without height, weight, or width restrictions (available width, all lanes in one direction ≥16') | MINIMUM NOTIFICATION |
| Lane and shoulder closures  | 3 business days      |
| Modifying all closure types   | 3 business days      |

- Utilities: Avoid or move utilities that may be in the way of the work in right of way.
- Erosion Control (EC):
  - Do not store any materials within the State ROW.
  - Implement EC best management practices (BMPs) prior to and at all times during work operations. Provide and maintain erosion control BMPS to protect all restored areas upon completion of the permitted work until the replacement vegetation achieves sustained growth.
  - Any sediment deposited from the site onto WisDOT facilities needs to be removed and the area stabilized within 24 hours of the release.
  - Any sediment or materials tracked onto state right of way needs to be cleaned within that workday.
  - The applicant will assure that the ditches/storm sewer (down-stream) are cleaned and positively flow, prior to finalizing the construction.
  - Temporary EC best management practices need to be removed and the area restored.
  - After temporary use is complete, the area will be restored to pre-construction conditions in accordance with applicable parts of WisDOT's Standard Specifications for Highway and Structure Construction, current edition.
- The final restoration work needs review prior to acceptance.



# **CERTIFICATE OF PERMIT COVERAGE**

### WPDES CONSTRUCTION SITE STORM WATER RUNOFF PERMIT Permit No. WI-S067831-06 **UNDER THE**

has been granted WDNR storm water permit coverage. The landowner must implement and maintain erosion control practices to limit sediment-contaminated runoff to waters of the state in accordance with the permit. required to post this certificate in a conspicuous place at the construction site. This certifies that the site Under s. NR 216.455(2), Wis. Adm. Code, landowners of construction sites with storm water discharges regulated by the Wisconsin Department of Natural Resources (WDNR) Storm Water Permit Program are

## **EROSION CONTROL COMPLAINTS**

should be reported to the WDNR Tip Line at 1-800-TIP-WDNR (1-800-847-9367)

Please provide the following information to the Tip Line:

**WDNR Site No. (FIN): 91846** 

Site Name: Muscoda Business Park Expansion

Address/Location: E Nebraska Ave, S Howard Ave, Old County P Village of MUSCODA

Additional Information:

Landowner: Village of Muscoda Site

Landowner's Contact Person: Cinda Johnson

Contact Telephone Number: (608) 739-3182

Permit Start Date: February 13, 2024

F. D. Bekt

WDNR Publication # WT-813 (10/11)

### MUSCODA BUSINESS PARK EXPANSION **EDA AWARD NUMBER: 06-79-06393**

### OWNER: VILLAGE OF MUSCODA

### SHEET INDEX:

AVAILABLE RECORDS, IT IS BELIEVED THAT THEY ARE

| SHEET TITLE: | SHEET DESCRIPTION:                                | DATE OF ISSUE: | DATE OF REVISION: |
|--------------|---|----------------|-------------------|
| G000         | TITLE SHEET & PROJECT LOCATION MAP                | SEPT. 25, 2023 |                   |
| G001         | LEGEND & GENERAL NOTES                            | 6EPT. 25, 2023 |                   |
| C101 - C102  | PLAN VIEW - MASS GRADING                          | SEPT. 25, 2023 |                   |
| C103         | PLAN VIEW - STORMWATER FACILITY                   | SEPT. 25, 2023 |                   |
| C104         | PROFILE & DETAILS - STORMWATER FACILITY           | SEPT. 25, 2023 |                   |
| C105 - C106  | PLAN & PROFILE - INDUSTRIAL DRIVE                 | 6EPT. 25, 2023 |                   |
| C107 - C113  | PLAN & PROFILE - HOWARD STREET                    | 6EPT. 25, 2023 | *                 |
| C114 - C115  | PLAN & PROFILE - OLD COUNTY TRUNK HIGHWAY 'P'     | 6EPT. 25, 2023 |                   |
| C116 - C118  | PLAN VIEW - INTERSECTION GRADING                  | 6EPT. 25, 2023 | -                 |
| C201         | DETAILS - TRAFFIC CONTROL, MAP, & NOTES           | SEPT. 25, 2023 | 2                 |
| C202 - C203  | DETAILS - EROSION CONTROL & NOTES                 | SEPT. 25, 2023 |                   |
| C204         | DETAILS - SANITARY SEWER SYSTEM                   | SEPT. 25, 2023 |                   |
| C205 - C206  | DETAILS - WATER SYSTEM                            | SEPT. 25, 2023 |                   |
| C207 - C208  | DETAILS - STORM SYSTEM                            | SEPT. 25, 2023 |                   |
| C209         | DETAILS - STREET                                  | SEPT. 25, 2023 |                   |
| C210         | DETAILS - STRUCTURE TABLES                        | SEPT. 25, 2023 |                   |
| C211         | DETAILS - LIFT STATION                            | SEPT. 25, 2023 |                   |
| C212         | DETAILS - S.T.H. '801/133' TYPICAL CROSS-SECTIONS | SEPT. 25, 2023 |                   |
| C213 - C214  | DETAILS - PAVEMENT MARKINGS                       | SEPT. 25, 2023 |                   |
| C301 - C302  | CROSS-SECTIONS - INDUSTRIAL DRIVE                 | SEPT. 25, 2023 | 4                 |
| C303 - C307  | CROSS-SECTIONS - HOWARD STREET                    | SEPT. 25, 2023 | 2                 |
|              |   |                |                   |

VILLAGE OF MUSCODA

MUSCODA, WI 53573

### PROJECT INFORMATION:

### OWNER: VILLAGE OF MUSCODA MS. CINDA JOHNSON

ADMINISTRATOR / CLERK

### STREET AND STORM SEWER:

DIRECTOR OF PUBLIC WORKS MUSCODA, WI 53573

CABLE TELEVISION UTILITY:

MEDIACOM

MR. DAVE McMANU

P.O. BOX 58

### SANITARY SEWER AND WATER UTILITIES:

VILLAGE OF MUSCODA

VILLAGE OF MUSCODA

DIRECTOR OF PUBLIC WORKS

WE ENERGIES N3025 14TH AVE. MONROE, WI 53566

### NATURAL GAS UTILITY:

WE ENERGIES PAVING COORDINATOR 500 S. 116TH STREET WEST ALLIS, WI 53214

CENTURYLINK MR. STEVE BISHOP 130 4TH ST. BARABOO, WI 53913

DELTA 3

875 SOUTH CHESTNUT STREET PHONE: (608) 348-5355 PLATTEMLE, WISCASH SJ818 PHONE: (563) 542-9005

FOR QUESTIONS REGARDING THIS PROJECT, PLEASE CONTACT:

MARK DIGMAN, P.E. DELTA 3 ENGINEERING, INC.

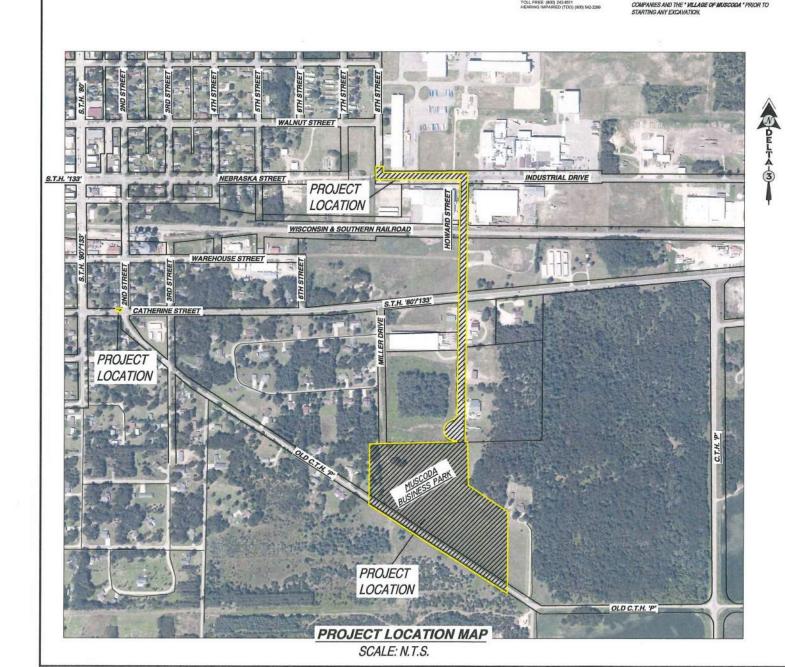
### TELEPHONE: (608) 348-5355

MUSCODA BUSINESS PARK EXPANSION EDA AWARD NUMBER: 06-79-06393

| FOR BID           |                                       |  |  |
|-------------------|---------------------------------------|--|--|
| PROJECT<br>NUMBER | D20-121                               |  |  |
| SHEET             | NOT TO SCALE                          |  |  |
| DRAWN<br>BY       | C.COYIER                              |  |  |
| DATE<br>ISSUED    | SEPT. 25, 2023                        |  |  |
| SHEET<br>DESC.    | TITLE SHEET & PROJECT<br>LOCATION MAP |  |  |

SHEET TITLE:

G000



PROP. 5' DIA. SANITARY MANHOLE

REHABILITATION / TOP ADJUSTMENT

PROP. MANHOLE CHIMNEY

PROP. SANITARY LIFT STATION

EX. FENCE

--- 99 --- EX. CONTOUR

EX. RAILROAD TRACKS

EX. DRAINAGE SWALE

PROP. REVERSE-PITCH CURB & GUTTER PROP. 4" CONCRETE SIDEWALK PROP. 6" CONCRETE PAVEMENT PROP. 8" CONCRETE PAVEMENT PROP. GRAVEL SHOULDER / DRIVEWAY EROSION MATTING (MILD SLOPES) EROSION MATTING (STEEP SLOPES) PROP. REGRADING AND LANDSCAPING PROP. STORM STRUCTURES - PROFILE PROP. STORM PIPE(RCP) - PROFILE PROP. STORM PIPE(CMP OR HDPE) - PROFILE PROP. SANITARY STRUCTURE - PROFILE PROP. WATER MAIN PIPE - PROFILE PROP. CLAY LINER - PROFILE PROP. SANITARY SEWER FORCE MAIN - PROFILE PROP. SPOT REPAIR - PROFILE / PLAN VIEW PROP. CASING PIPE - PROFILE PROP. CLEARING AND GRUBBING PROP. BUILDING REMOVAL PROP. SIDEWALK REMOVAL PROP. PRESSURE-REDUCING VALVE STATION PROP. FIRE HYDRANT PROP. WATER SERVICE PROP. WATER SERVICE WITH VALVE BOX SLEEVE PROP. WATER VALVE PROP. WATER BEND - HORIZONTAL PROP. WATER BEND - VERTICAL PROP. WATER BEND <5° PROP. WATER CROSS PROP. WATER REDUCER PROP. 4' DIA. STORM MANHOLE PROP. 5' DIA. STORM MANHOLE PROP. 4' DIA. INLET PROP. 6' DIA. INLET PROP. 4' DIA. CATCH BASIN- W/ 2'X3' CASTING PROP. 5' DIA. CATCH BASIN- W/ 2'X3' CASTING PROP. 6' DIA. CATCH BASIN- W/ 2'X3' CASTING PROP. 4'X6' CATCH BASIN W/2'X3' CASTING PROP. CURB OPENING CASTING PROP. 2'X3' CATCH BASIN PROP. ADJUSTED CATCH BASIN TOP

PROP. WISDOT TYPE 9 INLET

PROP. CMP ENDWALL

PROP. RCP ENDWALL

KEY NOTES [100] . 100 PROPOSED SILT FENCE FOR EROSION CONTROL. 101 PROPOSED SEDIMENT LOG FOR EROSION CONTROL 102 PROPOSED TRACKING PAD FOR EROSION CONTROL. 103 RE-GRADE YARD/DITCH LINE (MIN. SLOPE 1.0%). 104 PROPOSED EROSION MAT CLASS I, TYPE 'B'. 105 INSTALL TYPE 'D' INLET PROTECTION. 106 PROPOSED MAIL BOX RELOCATION. 107 ITEM TO REMAIN. 108 CONTRACTOR TO REMOVE ITEM. PROP. HOT MIX ASPHALT PAVEMENT (DRIVEWAY) 200 PROPOSED SANITARY SEWER [SIZE] 201 NEW SANITARY SEWER LATERAL (SIZE) 202 REPLACE EXISTING SANITARY SEWER LATERAL 203 RECONNECT EXISTING SANITARY SEWER LATERAL 204 CONNECTION TO EXISTING SANITARY SEWER PIPE/STRUCTURE. 205 REMOVE EXISTING SANITARY SEWER PIPE /STRUCTURE. 206 REHABILITATE SANITARY MANHOLE; SEE TABLE 'B'. 207 SANITARY SEWER SPOT REPAIR. 208 REMOVE EXISTING SANITARY SEWER OR FILL WITH CONCRETE SLURRY 209 ABANDON EXISTING SANITARY SEWER LATERAL 210 CONTRACTOR TO FIELD VERIFY SANITARY SEWER LATERAL LOCATION/ACTIVITY AND REPLACE ACCORDING TO ENGINEER. 211 LIFT STATION ABANDONMENT. 300 PROPOSED WATER MAIN [SIZE]. 301 NEW WATER SERVICE [SIZE]. 302 REPLACE EXISTING WATER SERVICE WITH 1" WATER SERVICE. 303 RECONNECT EXISTING WATER SERVICE 304 DIRECTIONAL DRILL PROPOSED WATER SERVICE. 305 CONNECTION TO EXISTING WATER MAIN 306 EXISTING HYDRANT TO BE REMOVED AND SALVAGED TO OWNER. 307 REMOVE EXISTING WATER MAIN VALVE BOX/STRUCTURE. 308 ADJUST EXISTING WATER MAIN VALVE BOX. 309 ABANDON, DRAIN, & CAP EXISTING WATER MAIN 310 ABANDON EXISTING WATER SERVICE. 311 CONTRACTOR TO FIELD VERIFY WATER SERVICE LOCATION/ACTIVITY AND REPLACE ACCORDING TO ENGINEER. 312 CONTRACTOR TO PROVIDE 4" POLYSTYRENE INSULATION. 401 CONNECT EXISTING ROOF DRAIN TO CURB OPENING/STRUCTURE. 402 CONNECTION TO EXISTING STORM SEWER PIPE/STRUCTURE. 403 REMOVE EXISTING STORM SEWER PIPE/STRUCTURE. 404 ABANDON & CAP EXISTING STORM SEWER. 405 ADJUST EXISTING STORM STRUCTURE. 406 LARGE RIP RAP OVER FABR FIELD VERIFY LOCATION AND DEPTH OF PIPE. 500 TREE & STUMP TO BE REMOVED (LESS THEN 12") 501 TREE & STUMP TO BE REMOVED (12" & GREATEŔ) 502 SHRUB TO BE REMOVED 503 CLEAR AND GRUB BRUSH LINE AS NECESSARY TO COMPLETE CONSTRUCTION. ALL CLEARING TO BE VERIFIED BY PROJECT ENGINEER 504 REMOVE AND REINSTALL/REPLACE EXISTING LANDSCAPING, FENCE, RETAINING WALL, ETC. (IF NECESSARY) 505 REMOVE EXISTING LANDSCAPING, FENCE, RETAINING WALL, ETC. 506 POLE/PEDESTAL TO BE SECURED BY UTILITY COMPANY DURING CONSTRUCTION. 507 POLE TO BE RELOCATED BY UTILITY COMPANY. 508 GUY WIRE TO BE RELOCATED BY UTILITY COMPANY. 509 PEDESTAL TO BE RELOCATED BY UTILITY COMPANY. 510 UTILITY CONFLICT - TO BE RELOCATED/ADJUSTED BY UTILITY COMPANY. 511 POTENTIAL UTILITY CONFLICT - VERIFY WITH UTILITY COMPANY. 512 CAUTION! - UTILITY CROSSING 513 PROPOSED 3-PHASE UNDERGROUND ELECTRICAL 514 PROPOSED ELECTRICAL JUNCTION BOX. 515 PROPOSED 6" SCH 40 ELECTRICAL CONDUIT. 600 REMOVE EXISTING CURB & GUTTER. 601 PROPOSED 24" CONCRETE CURB & GUTTEF 602 PROPOSED 30" CONCRETE CURB & GUTTER 603 PROPOSED 36" CONCRETE CURB & GUTTER. 604 MATCH TO EXISTING CURB & GUTTER. 605 PROVIDE TYPE 'X' CURB 606 PROVIDE REVERSE-PITCH CURB & GUTTER. 607 PROVIDE CURB TAPER. 608 REMOVE ASPHALT/CONCRETE/WALL/STEPS/GRAVEL 609 PROPOSED 4" CONCRETE SIDEWALK. 610 PROPOSED 6" CONCRETE SIDEWALK/DRIVEWAY. 611 PROPOSED 6" CONCRETE PAVEMENT. 612 PROPOSED 8" CONCRETE PAVEMENT. 613 PROPOSED CONCRETE STEPS. STEP RISE HEIGHT AND STEP TREAD DEPTH 630 SHALL MEET APPLICABLE BUILDING CODES. CONTRACTOR SHALL CONFIRM 800 PROPOSED SOLID 4" SINGLE LINE (WHITE). REQUIRED NUMBER OF STEPS WITH PROJECT ENGINEER PRIOR TO INSTALL. 614 PROPOSED 2' GRAVEL SHOULDER. 615 REGRADE EXISTING GRAVEL 616 PROPOSED GRAVEL DRIVEWAY. 617 REMOVE & REPLACE GRAVEL DRIVEWAY. 618 REMOVE GRAVEL DRIVEWAY & REPLACE WITH BITUMINOUS 619 REMOVE & REPLACE HMA PAVEMENT. 620 REMOVE & REPLACE HMA PAVEMENT DRIVEWAY. 621 PROPOSED HMA PAVEMENT.

622 MATCH TO EXISTING EDGE PAVEMENT.

623 PROPOSED RESIDENTIAL HMA PAVEMENT DRIVEWAY.

624 PROPOSED COMMERCIAL HMA PAVEMENT DRIVEWAY

LOCATIONS. RFMOVAL SHOULD VERIFY LOCATIONS W/ THE UTILITY COMPANIES AND VILLAGE OF MUSCODA PRIOR TO STARTING ANY SANITARY SEWER LATERAL NOTE. THE LOCATION OF EXISTING SANITARY SEWER LATERALS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE LOCATION AND STATUS OF EACH SANITARY SEWER LATERAL ENCOUNTERED. ONLY ACTIVE SANITARY SEWER LATERALS SHALL BE CONNECTED TO THE NEW SANITARY SEWER MAIN. 625 REMOVE & REPLACE 4" CONCRETE SIDEWALK. 626 REMOVE & REPLACE 6" CONCRETE SIDEWALK/DRIVEWAY 627 PROPOSED HANDICAP RAMP WITH - D. WARN. FIELD [S.F]. 628 SAW CUT PCC PAVEMENT. 629 SAW CUT HMA PAVEMENT 801 PROPOSED SOLID 4" SINGLE LINE (YELLÓW). 802 PROPOSED SOLID 4" DOUBLE LINE (YELLOW). 803 PROPOSED DIAGONAL 12" SINGLE LINE (YELLOW) AT 25' SPACING. 804 PROPOSED SOLID 18" LINE (WHITE). 805 PROPOSED ARROW - TYPE 1 806 PROPOSED ARROW - TYPE 2. 807 PROPOSED ARROW - TYPE 3. 808 PROPOSED ARROW - TYPE 6. 809 PROPOSED ARROW - TYPE 7. 810 PROPOSED WORDS 811 REMOVE PAVEMENT MARKINGS. 812 PROPOSED SOLID 24" LINE (WHITE) 813 PROPOSED PAVEMENT MARKINGS - RAILROAD CROSSING.

NOTES: TRAFFIC CONTROL NOTE: (COUNTY OR STATE HIGHWAY) ALL CONTRACTORS MUST CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE REQUIREMENTS OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION. TWO LANES OF TRAFFIC MUST REMAIN WATER SYSTEM NOTE: OPEN DURING AND AFTER ALL CONSTRUCTION ACTIVITIES CONTRACTOR TO SALVAGE EXISTING HYDRANTS TO BE ON STATE TRUNK HIGHWAY '80/133'. STREET SIGN NOTE:
CONTRACTOR WILL BE RESPONSIBLE FOR REMOVING, STORING, AND RESETTING ALL PERMANENT SIGNS. CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING SIGNS UNTIL REMOVED. CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL TEMPORARY SIGNS THAT MAY BE REQUIRED. TRAFFIC SIGN NOTE CONTRACTOR TO PROVIDE TEMPORARY TRAFFIC SIGNS FOR ANY TRAFFIC SIGNS DISTURBED DURING CONSTRUCTION. ALL DISTURBED TRAFFIC SIGNS MUST BE REPLACED AND INSTALLED AS PER LOCAL REGULATIONS AT THE COMPLETION OF THE PROJECT. **EROSION CONTROL NOTE:** CONTRACTOR TO INSTALL BACKFILL MATERIAL INTO THE EXCAVATED TRENCH AS SOON AS POSSIBLE TO IMPLEMENT EROSION CONTROL. PROPERTY LINE AND RIGHT-OF-WAY NOTE: ALL RIGHT-OF-WAYS AND PROPERTY LINES SHOWN ARE APPROXIMATE AND FOR ILLUSTRATIVE PURPOSES ONLY A PROPERTY SURVEY PERFORMED BY A PROFESSIONAL I AND SURVEYOR SHOULD BE COMPLETED TO DETERMINE THE ACTUAL PROPERTY LINE AND RIGHT-OF-WAY MAILBOX RELOCATION NOTE. CONTRACTOR TO RELOCATE EXISTING MAILBOXES DURING CONSTRUCTION (COORDINATE AND VERIFY WITH THE CONTRACTOR DURING EXECUTION OF THE LOCAL POSTAL SERVICE ON LOCATION). RESET BEHIND CURB AND GUTTER OR SHOULDER ACCORDING TO THE REQUIREMENTS OF THE LOCAL POSTMASTER UPON COMPLETION OF STREET CONSTRUCTION. ROOTS, AND BUSHES DISTURBED DUE TO CONSTRUCTION. OR OPERATED FOR WHICH THE SINGLE OR TREE REMOVAL NOTE: CONTRACTOR TO CONTACT ENGINEER OR VILLAGE OF MUSCODA FOR VERIFICATION PRIOR TO ANY TREE SAW CUT NOTE: CONTRACTOR TO PROVIDE FULL DEPTH SAW CUTS AND REPLACE PAVEMENT. THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLAN HAVE BEEN OBTAINED BY FIELD CHECKS. A UTILITY LOCATE AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT THEY ARE ESSENTIALLY CORRECT. BUT THE SURVEYOR DOES NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS. THE CONTRACTOR

PRECONSTRUCTION CONDITIONS. DEWATERING NOTE: THE CONTRACTOR SHALL CONTACT THE DEPARTMENT TREE TRIMMING NOTE:

CONTRACTOR TO PROPERLY TRIM ALL TREE BRANCHES,
SECTION FOR A PERMIT FOR ALL WELLS INSTALLED
OF NATURAL RESOURCE'S PRIVATE WAI EH SUPPLY
CONTRACTOR TO PROPERLY TRIM ALL TREE BRANCHES,
SECTION FOR A PERMIT FOR WHICH THE SINGLE OR OF NATURAL RESOURCE'S PRIVATE WATER SUPPLY AGGREGATE CAPACITY MAY BE IN EXCESS OF 70
GALLONS PER MINUTE. THE DEPARTMENT'S PRIVATE WATER SUPPLY SECTION'S CONTACT INFORMATION FOR WELL PERMITS IS:

CASTING NOTE:

TRACER WIRE NOTE:

WATER SERVICE NOTE:

SITE RESTORATION NOTE:

WATER MAIN.

LANDSCAPE AREAS.

PROPERTY DAMAGES.

BE SALVAGED TO THE VILLAGE OF MUSCODA.

POLYVINYL CHLORIDE (PVC) WATER MAIN.

CONTRACTOR WILL BE RESPONSIBLE FOR

EXISTING HYDRANTS TO A MINIMUM DEPTH OF 4'-0".

TRACER WIRE (12 GAUGE) TO BE INSTALLED WITH ALL

CONTRACTOR TO VERIFY STATUS AND LOCATION OF

EACH WATER SERVICE ENCOUNTERED. CONTRACTOR

WATER SERVICES SHALL BE CONNECTED TO THE NEW

REPLACEMENT OF ALL DISTURBED PROJECT AREA

CULVERTS, WATER AND SANITARY SEWER SYSTEM

LANDSCAPING, RETAINING WALLS, MAILBOXES, AND

PRESERVATION OF ADJACENT PROPERTY AND FOR ANY

INCIDENTAL TO THE CONSTRUCTION ACTIVITIES AFTER

ADJACENT TO THE CONSTRUCTION SITE DAMAGED BY

DAMAGE TO THE SITE OR TO ADJACENT PROPERTY

THE COMPLETION OF CONSTRUCTION, ANY AREAS

CONTRACT SHALL BE RESTORED TO MATCH THE

EXISTING CONCRETE, BITUMINOUS PAVEMENT, GRAVEL,

COMPONENTS, STORM SEWER SYSTEM COMPONENTS,

COMPONENTS INCLUDING, BUT NOT LIMITED TO,

TREES, LAWN ORNAMENTS, FENCING, YARD

THE CONTRACTOR IS RESPONSIBLE FOR THE

WISCONSIN DEPARTMENT OF NATURAL RESOURCES PRIVATE WATER SUPPLY SECTION LIESA LEHMANN P.O. BOX 7921 MADISON, WISCONSIN 53707 (608) 267-7649

> DESIGNATION REMOVAL GENERAL CIVIL **LANDSCAPE AQUATIC** AQ **ARCHITECTURAL** STRUCTURAL FI FCTRICAL INSTRUMENTATION/CONTROLS **PROCESS** PI LIMBING HVAC /MECHANICAL

### **DISCIPLINE DESIGNATORS**

DESIGNATION NOTES & SCHEDULES **PLANS ELEVATIONS & DETAILS** CROSS-SECTIONS **DIAGRAMS** 

### DRAWING SHEET DESIGNATION

DRAWING NUMBER - DRAWING SHEET DESIGNATION - DISCIPLINE DESIGNATION (MAY HAVE MULTIPLE)

G001

NUMBER # 02 of 41

ENGINEER:

A DELTA 3

ALL EXISTING MANHOLE CASTINGS AND STORM SEWER CASTINGS TO BE REMOVED AND/OR REPLACED SHALL

PROFESSIONAL CML, MUNICIPAL, & STRUCTURAL ENGINEERING SRANT WRITING • LAND DEVELOPMENT • PLANNING & CADD SERVI

875 SOUTH CHESTNUT STREET PHONE: (608) 348-5355 PLATTEVILLE, WISCONSIN 53818 898 Jackson Street Dubuque, Iona 52001 PHONE: (563) 542-9005 REMOVED TO THE VILLAGE OF MUSCODA. REMOVE

FOR QUESTIONS REGARDING THIS PROJECT, PLEASE CONTACT:

MARK DIGMAN, P.E. DELTA 3 ENGINEERING INC TELEPHONE: (608) 348-5355

TO REPLACE ACCORDING TO ENGINEER. ONLY ACTIVE PLAN SHEET ARE CREATED BY AND FOR DELTA 3 ENGINEERING AND THEIR

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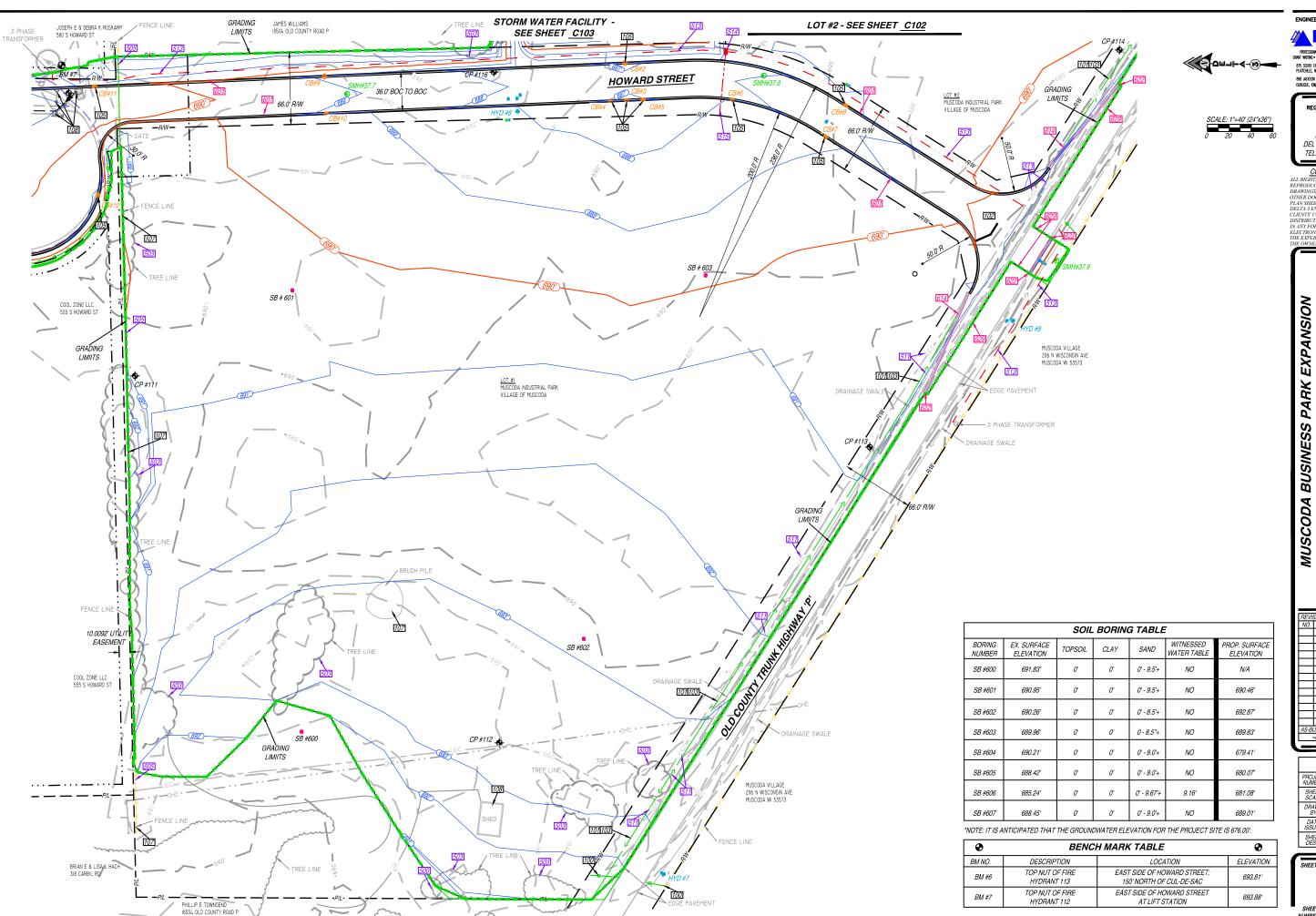
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D20-121 NOT TO SCALE DRAWN SEPT. 25, 2023 SHEET DESC. GENERAL NOTES

SHEET TITLE:

SHEET NUMBER IDENTIFICATION



ENGINEER: DELTA 3

875 SOUTH CHESTNUT STREET PHONE: (608) 348-5356 PLATTEVILLE, WISCONSIN 53818 898 JACKSON STREET DUBUQUE, KWA 52001

FOR QUESTIONS REGARDING THIS PROJECT, PLEASE CONTACT:

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| IWN<br>Y     | C.COYIER                    |  |  |
| TE<br>VED    | SEPT. 25, 2023              |  |  |
| EET<br>SC    | PLAN VIEW -<br>MASS GRADING |  |  |

SHEET TITLE:

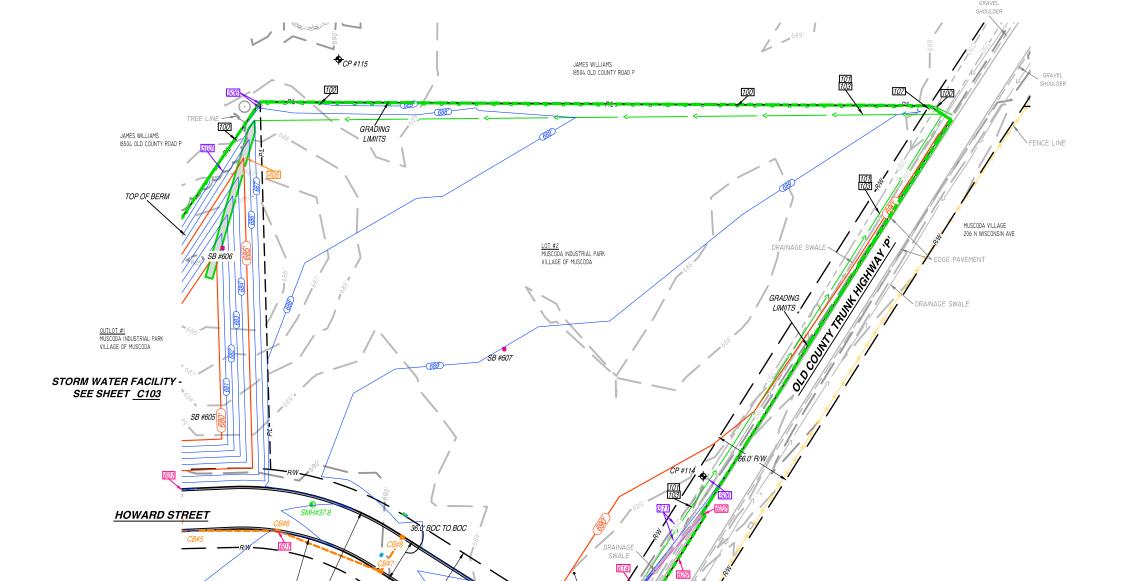
C101

SHEET NUMBER # 03 of 41

| •      | BENCI                          | •   |           |
|--------|--------------------------------|---|-----------|
| BM NO. | DESCRIPTION                    | LOCATION  | ELEVATION |
| BM #6  | TOP NUT OF FIRE<br>HYDRANT 113 | EAST SIDE OF HOWARD STREET;<br>150' NORTH OF CUL-DE-SAC | 693.81'   |
| BM #7  | TOP NUT OF FIRE<br>HYDRANT 112 | EAST SIDE OF HOWARD STREET<br>AT LIFT STATION           | 693.88′   |







102

MUSCODA VILLAGE 206 N WISCONSIN AVE

LOT #1 MUSCODA INDUSTRIAL PARK VILLAGE OF MUSCODA

LOT #1 - SEE SHEET C101

FOR QUESTIONS REGARDING THIS PROJECT, PLEASE CONTACT:

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MUSCODA BUSINESS PARK EXPANSION EDA AWARD NUMBER: 06-79-06393

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|  | PROJECT<br>NUMBER | D20-121                     |
|  | SHEET<br>SCALE    | SEE BAR SCALE               |
|  | DRAWN<br>BY       | C.COYIER                    |
|  | DATE<br>ISSUED    | SEPT. 25, 2023              |
|  | SHEET<br>DESC.    | PLAN VIEW -<br>MASS GRADING |

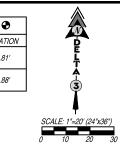
SHEET TITLE:

C102

SHEET NUMBER # 04 of 41

| •      | BENCH MARK TABLE               |   | •        |
|--------|--------------------------------|---|----------|
| BM NO. | DESCRIPTION                    | LOCATION  | ELEVATIO |
| BM #6  | TOP NUT OF FIRE<br>HYDRANT 113 | EAST SIDE OF HOWARD STREET;<br>150' NORTH OF CUL-DE-SAC | 693.81'  |
| BM #7  | TOP NUT OF FIRE<br>HYDRANT 112 | EAST SIDE OF HOWARD STREET<br>AT LIFT STATION           | 693.88'  |

| BENCH MARK TABLE               |   |           |  |  |
|--------------------------------|---|-----------|--|--|
| DESCRIPTION                    | LOCATION  | ELEVATION |  |  |
| TOP NUT OF FIRE<br>HYDRANT 113 | EAST SIDE OF HOWARD STREET;<br>150' NORTH OF CUL-DE-SAC | 693.81'   |  |  |
| TOP NUT OF FIRE<br>HYDRANT 112 | EAST SIDE OF HOWARD STREET AT LIFT STATION              | 693.88'   |  |  |





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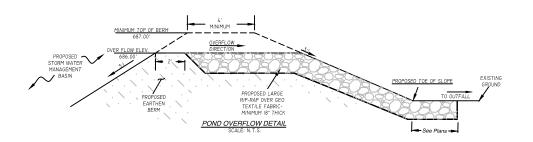
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| PROJECT<br>NUMBER | D20-121                             |
| SHEET<br>SCALE    | SEE BAR SCALE                       |
| DRAWN<br>BY       | C.COYIER                            |
| DATE<br>ISSUED    | SEPT. 25, 2023                      |
| SHEET<br>DESC.    | PLAN VIEW - STORM<br>WATER FACILITY |

SHEET TITLE:

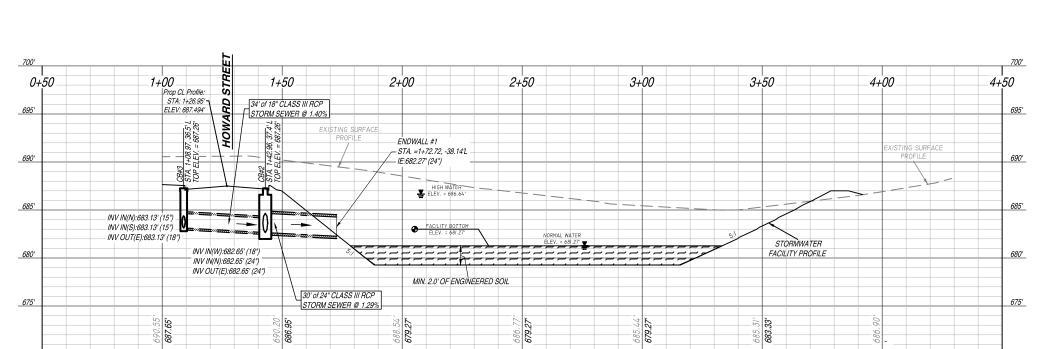
C103

SHEET NUMBER# **05 of 41** 

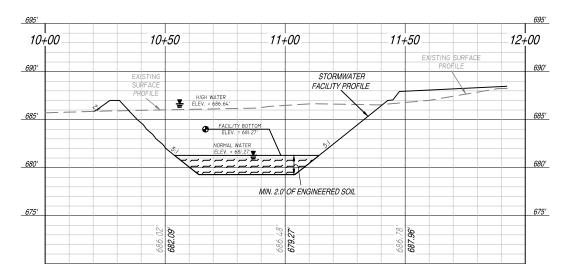
| TREE LINE  GRADING  LIMITS  ELECTRICAL  PEDESTAL  JAMES WILLIAMS  1850- OLD COINTY ROAD P  10P#116   |
|--|
| TOP OF BERM  SSB #604 TO  TOP OF BERM  SSB # |
| CB#4  CB#4  CB#4  CB#5  GRADING LIMITS  TOP OF BEEN  STORM WATER FACILITY  CB#5  GRADING LIMITS  TOP OF BEEN  AMES WILLIAMS ISSA OLD COUNTY ROAD P  1-00  SB #605  |
| SS #005  TREE LINE  SS #005  







CROSS-SECTION A-A SCALE (24"x36") : HOR. 1"=20' VERT. 1"=5'



CROSS-SECTION B-B

SCALE (24"x36") : HOR. 1"=20' VERT. 1"=5'

ENGINEER:

DELTA 3

875 SOUTH CHESTNUT STREET PHONE: (608) 348-5355 PLATTEVILLE, WISCONSIN 53818 898 JACKSON STREET PHONE: (563) 542-9006 DUBUQUE, IOWA 52001

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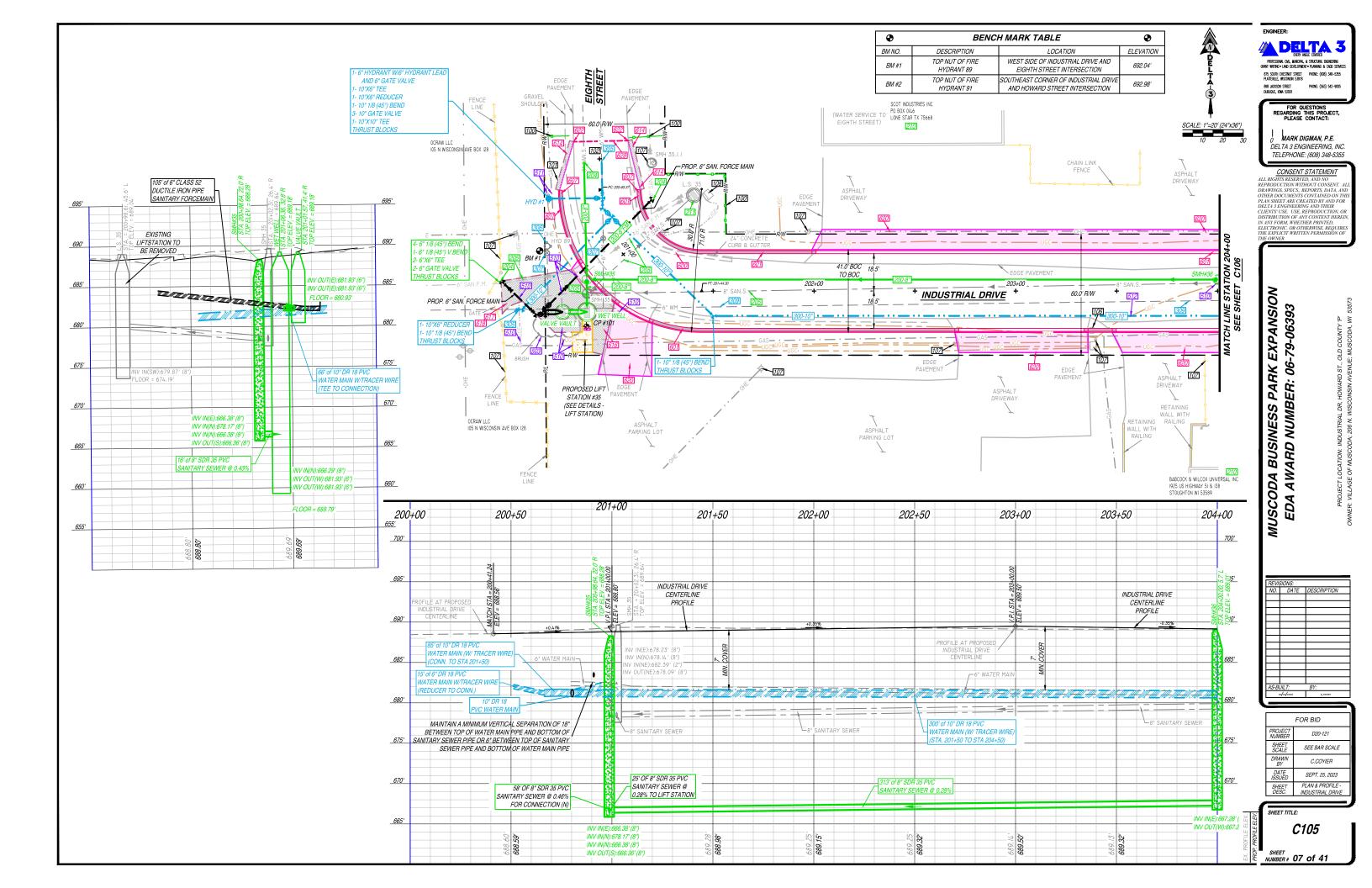
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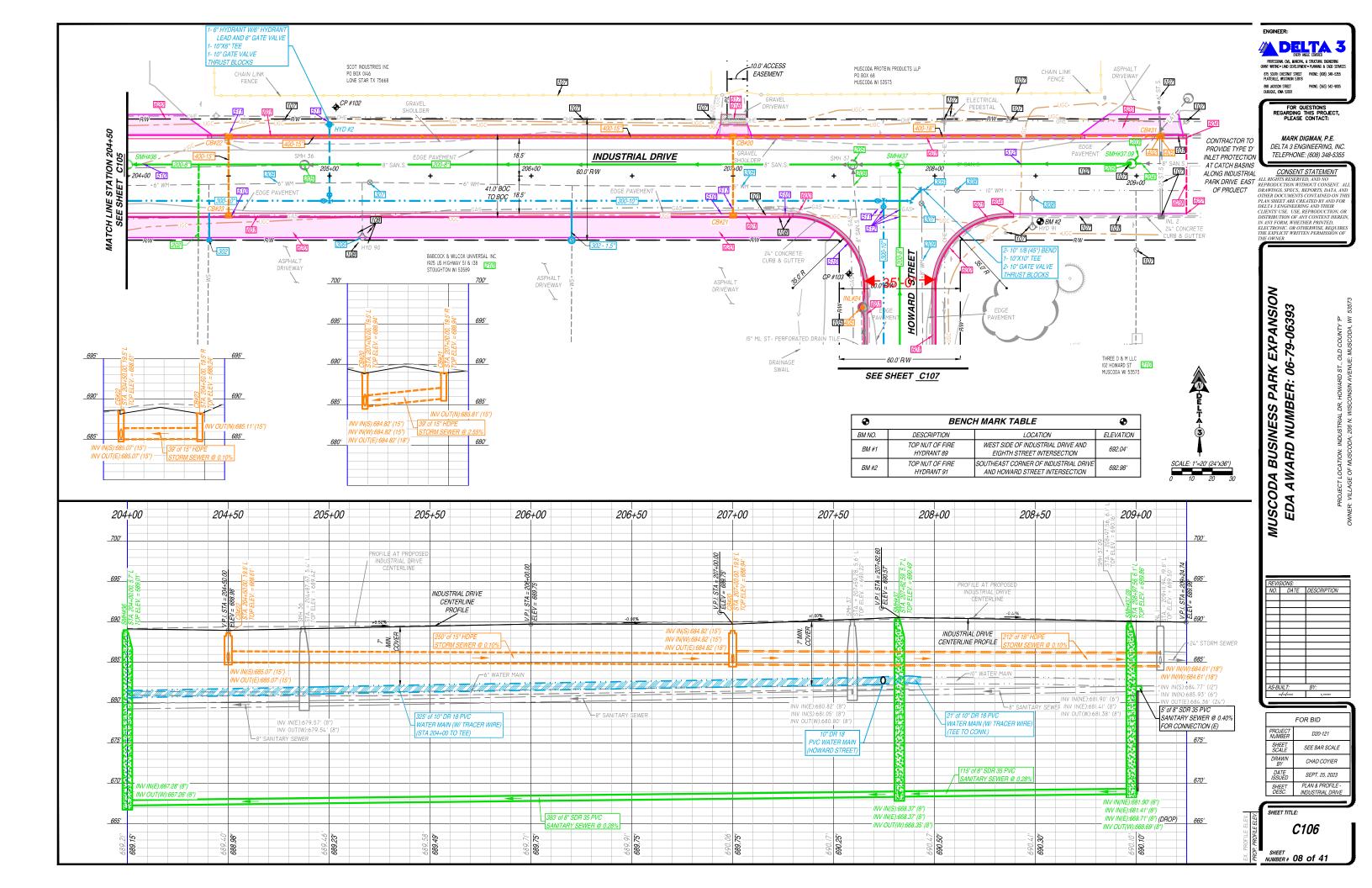
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| SHEET<br>SCALE    | SEE BAR SCALE                       |  |
| DRAWN<br>BY       | C.COYIER                            |  |
| DATE<br>ISSUED    | SEPT. 25, 2023                      |  |
| SHEET<br>DESC.    | PLAN VIEW - STORM<br>WATER FACILITY |  |

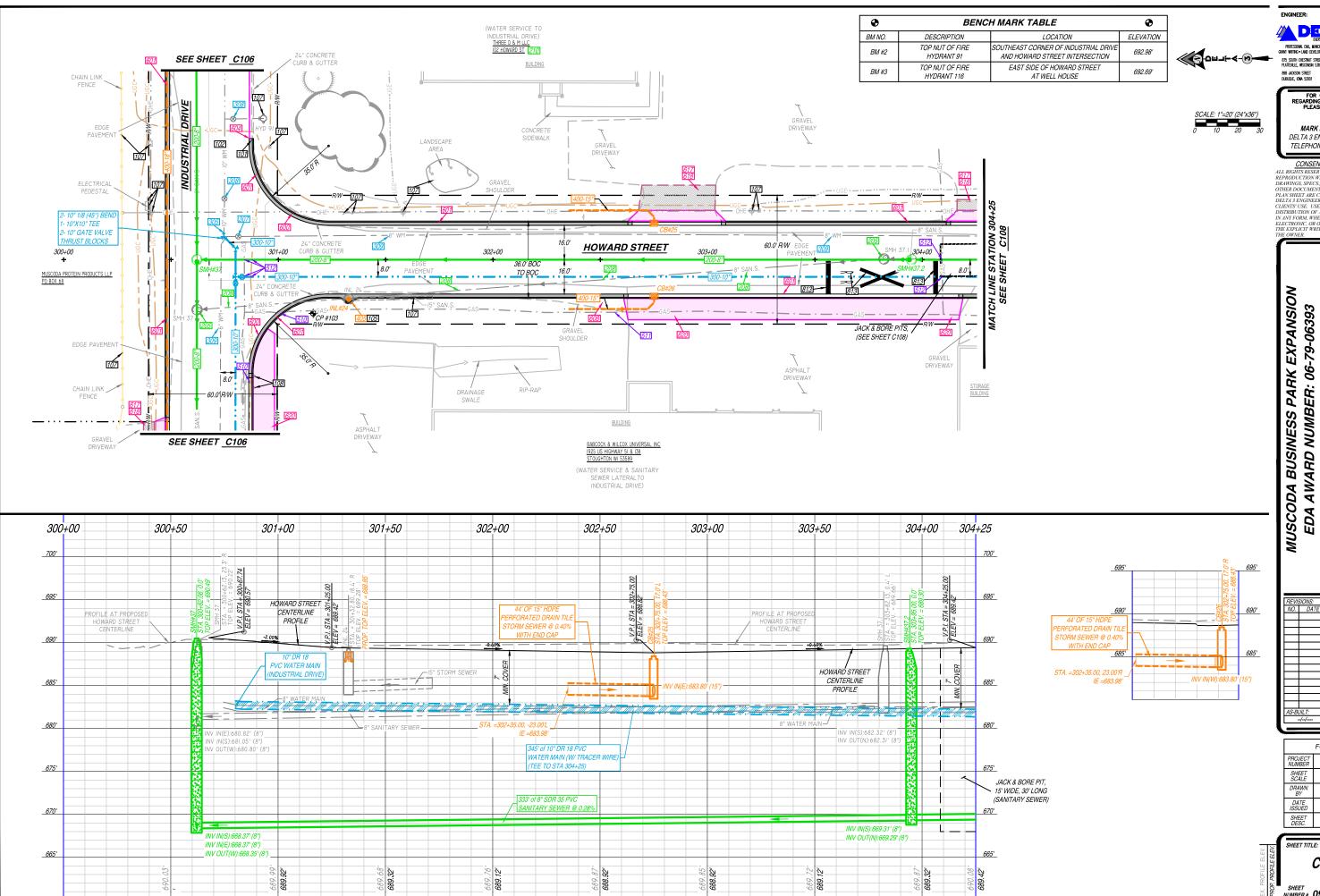
SHEET TITLE:

C104

SHEET NUMBER # 06 of 41







DELTA 3 875 SOUTH CHESTNUT STREET PHONE: (608) 348-5355 PLATTEVILLE, WISCONSIN 53818 898 JACKSON STREET PHONE: (563) 542-9006 DUBUQUE, IONA 52001

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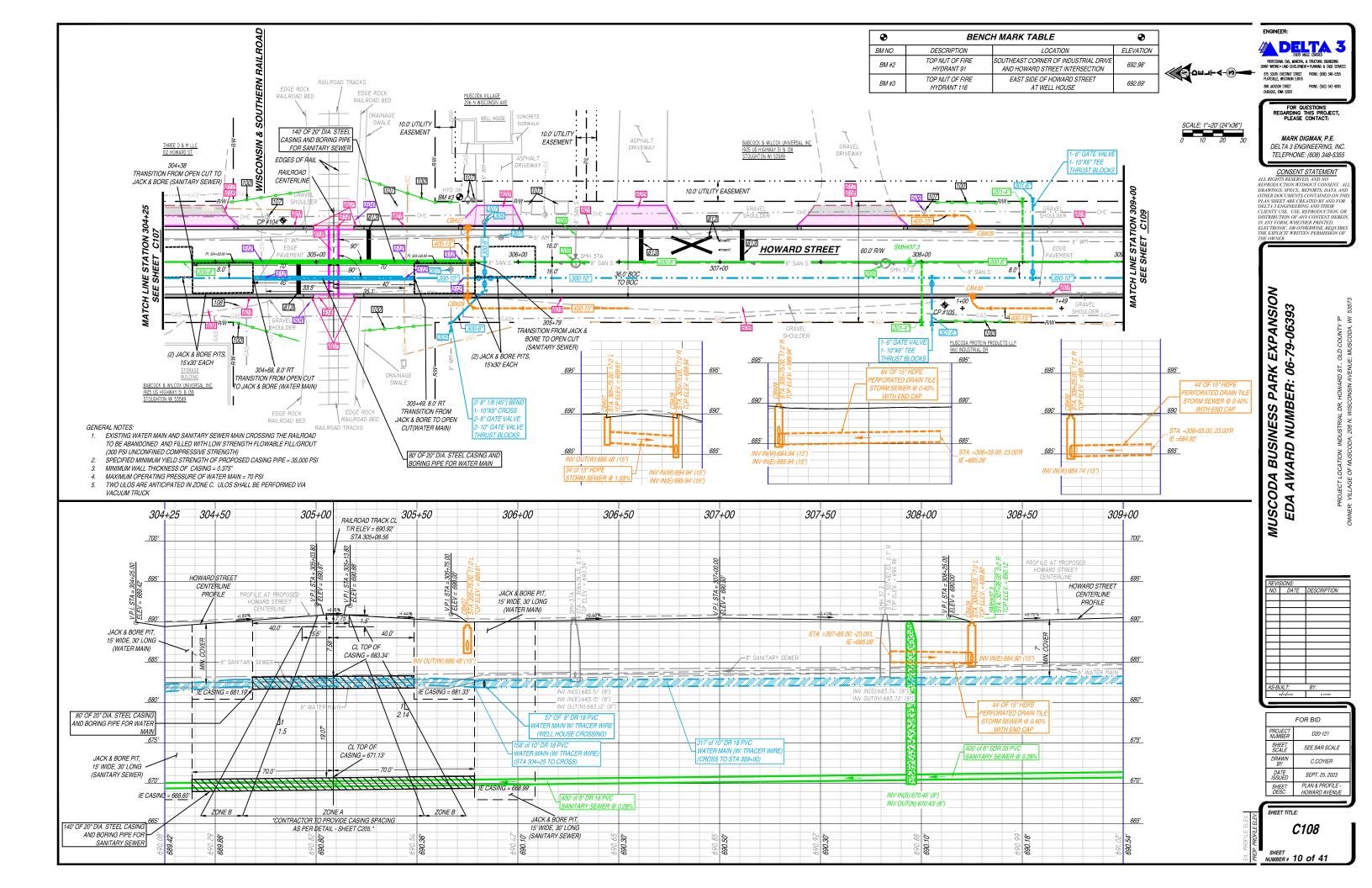
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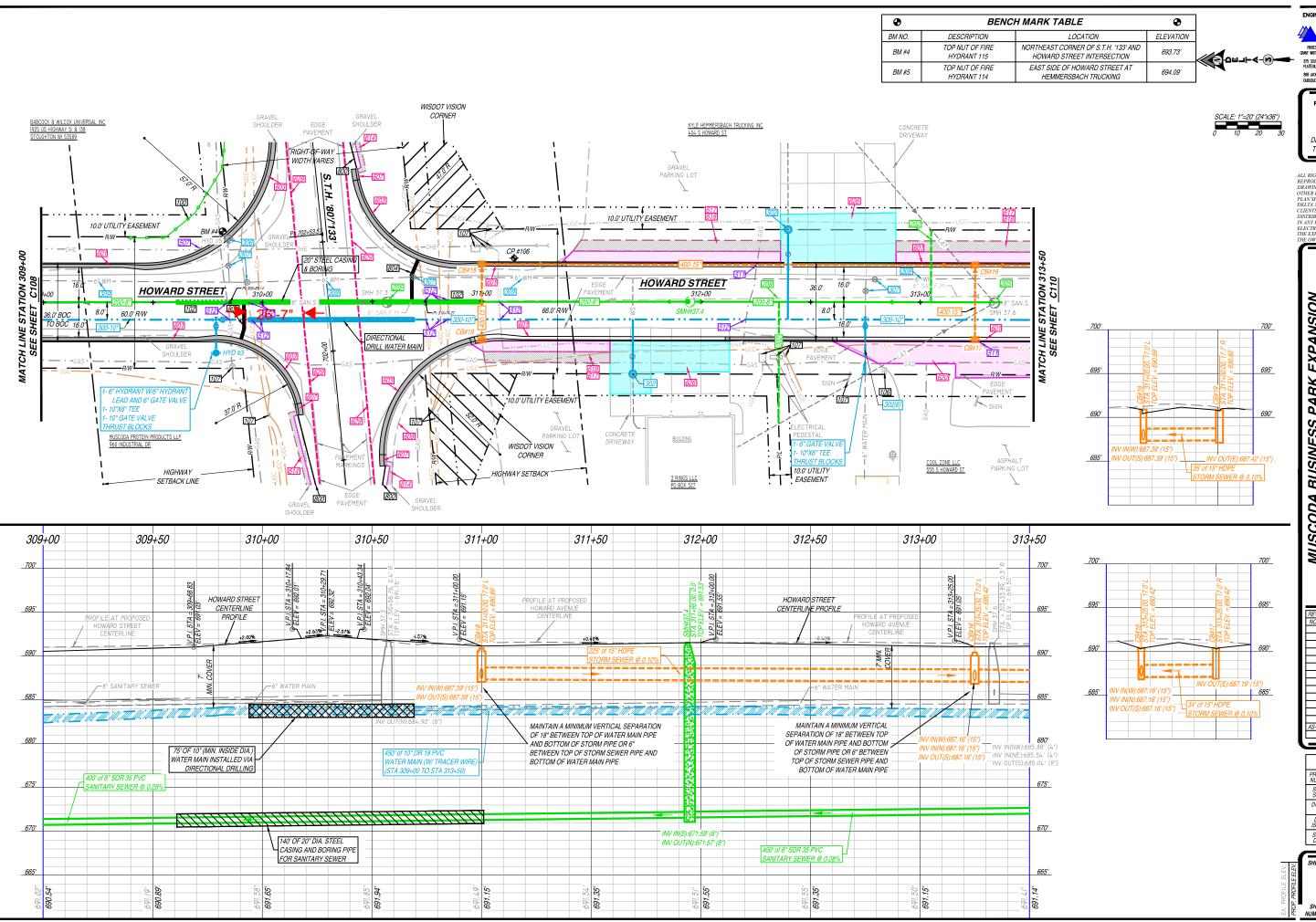
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| SHEET<br>SCALE  | SEE BAR SCALE                     |  |
| DRAWN<br>BY     | C.COYIER                          |  |
| DATE<br>SSUED   | SEPT. 25, 2023                    |  |
| SHEET<br>DESC.  | PLAN & PROFILE -<br>HOWARD STREET |  |

SHEET TITLE:

C107

SHEET NUMBER # 09 of 41





ENGINEER:

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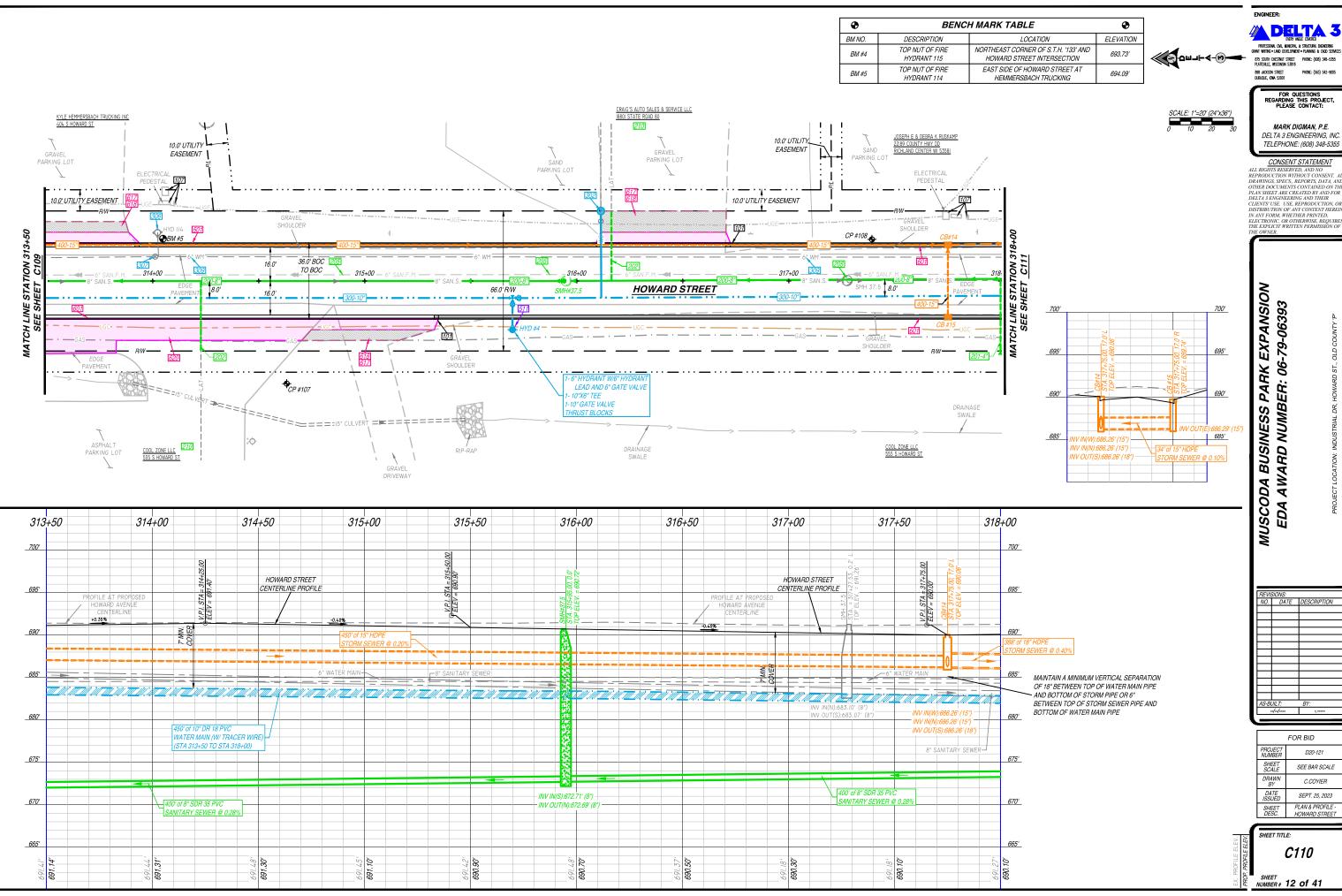
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| SHEET<br>SCALE                                | SEE BAR SCALE  |  |
| DRAWN<br>BY                                   | C.COYIER       |  |
| DATE<br>SSUED                                 | SEPT. 25, 2023 |  |
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SHEET TITLE:

C109

SHEET NUMBER # 11 of 41



ENGINEER: DELTA 3

875 SOUTH CHESTNUT STREET PHONE: (608) 348-5355 PLATTEVILLE, WISCONSIN 53818 898 JACKSON STREET PHONE: (563) 542-9006 DUBUQUE, IONA 52001

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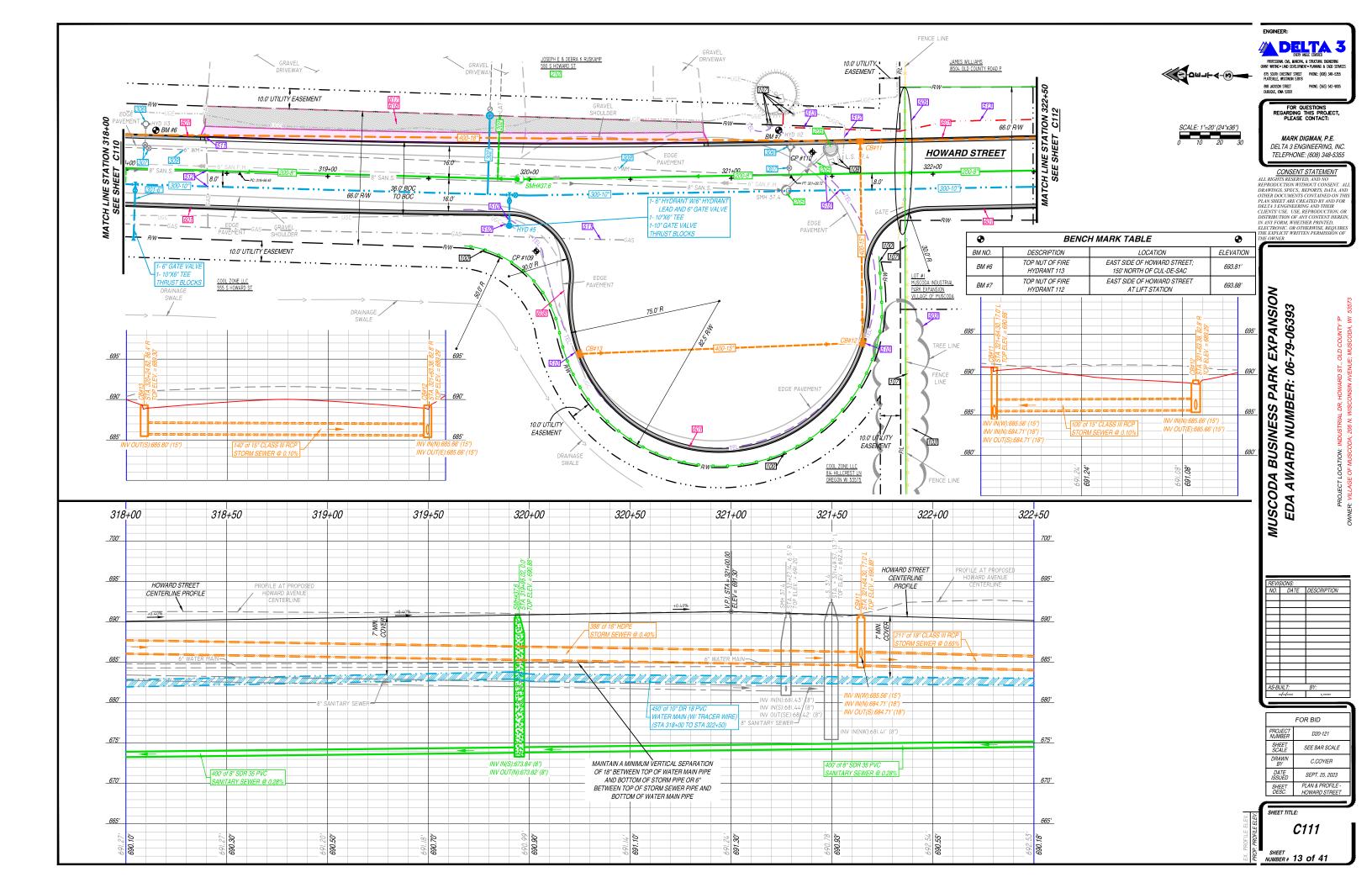
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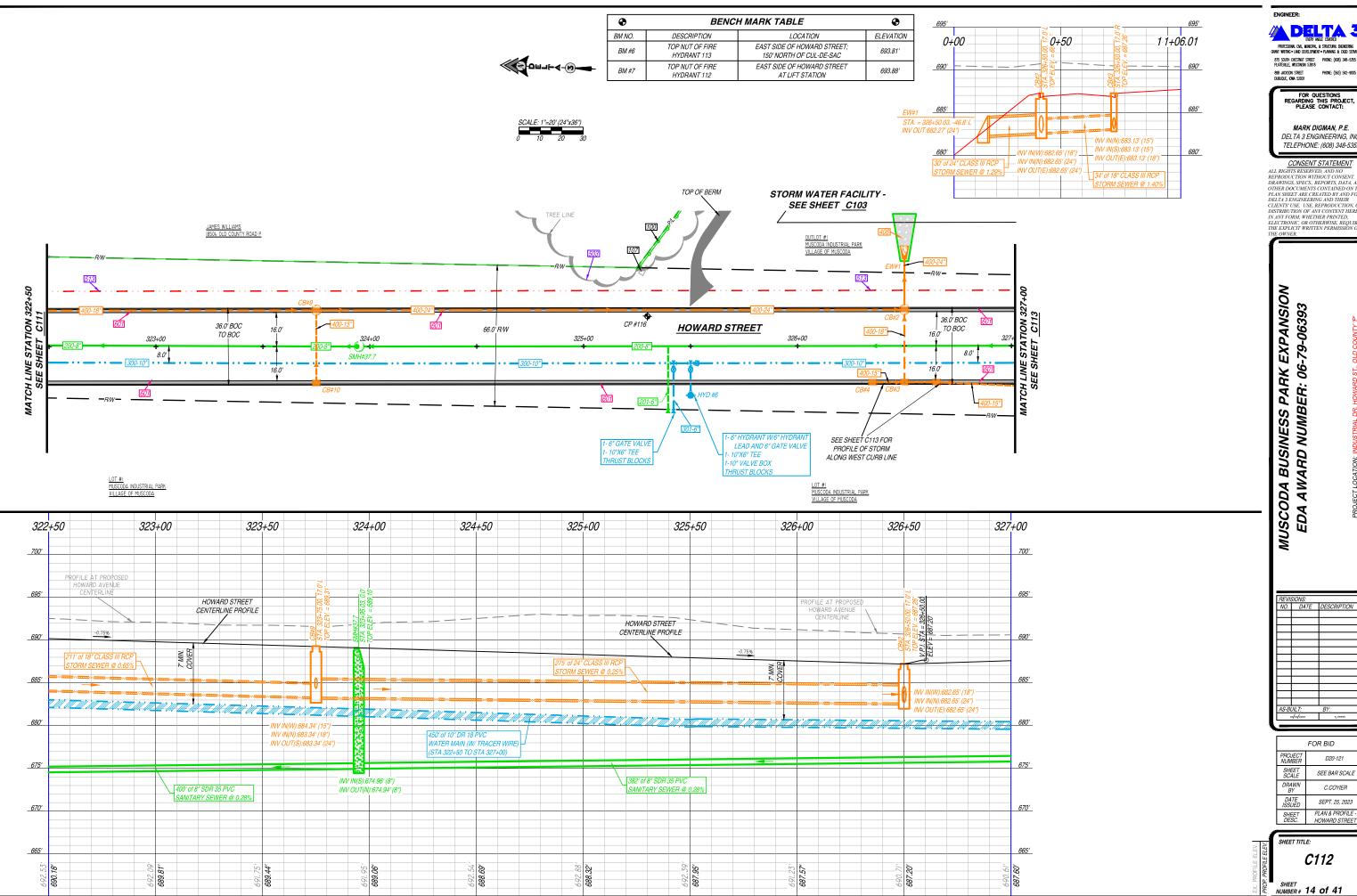
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| ROJECT<br>UMBER              | D20-121                           |  |
| SHEET<br>SCALE               | SEE BAR SCALE                     |  |
| DRAWN<br>BY                  | C.COYIER                          |  |
| DATE<br>SSUED SEPT. 25, 2023 |                                   |  |
| SHEET<br>DESC.               | PLAN & PROFILE -<br>HOWARD STREET |  |
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SHEET TITLE:

C110

SHEET NUMBER # 12 of 41





ENGINEER:

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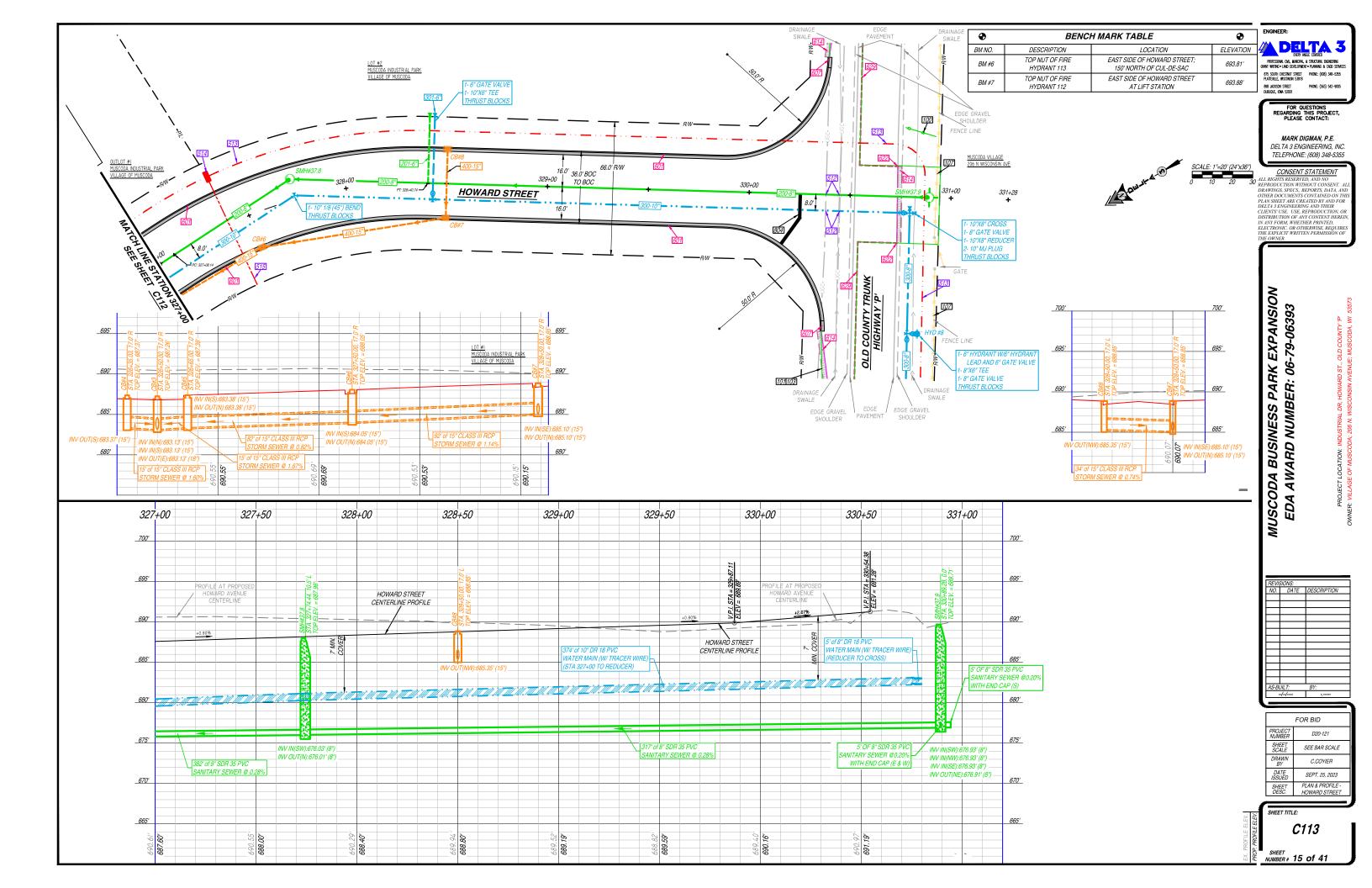
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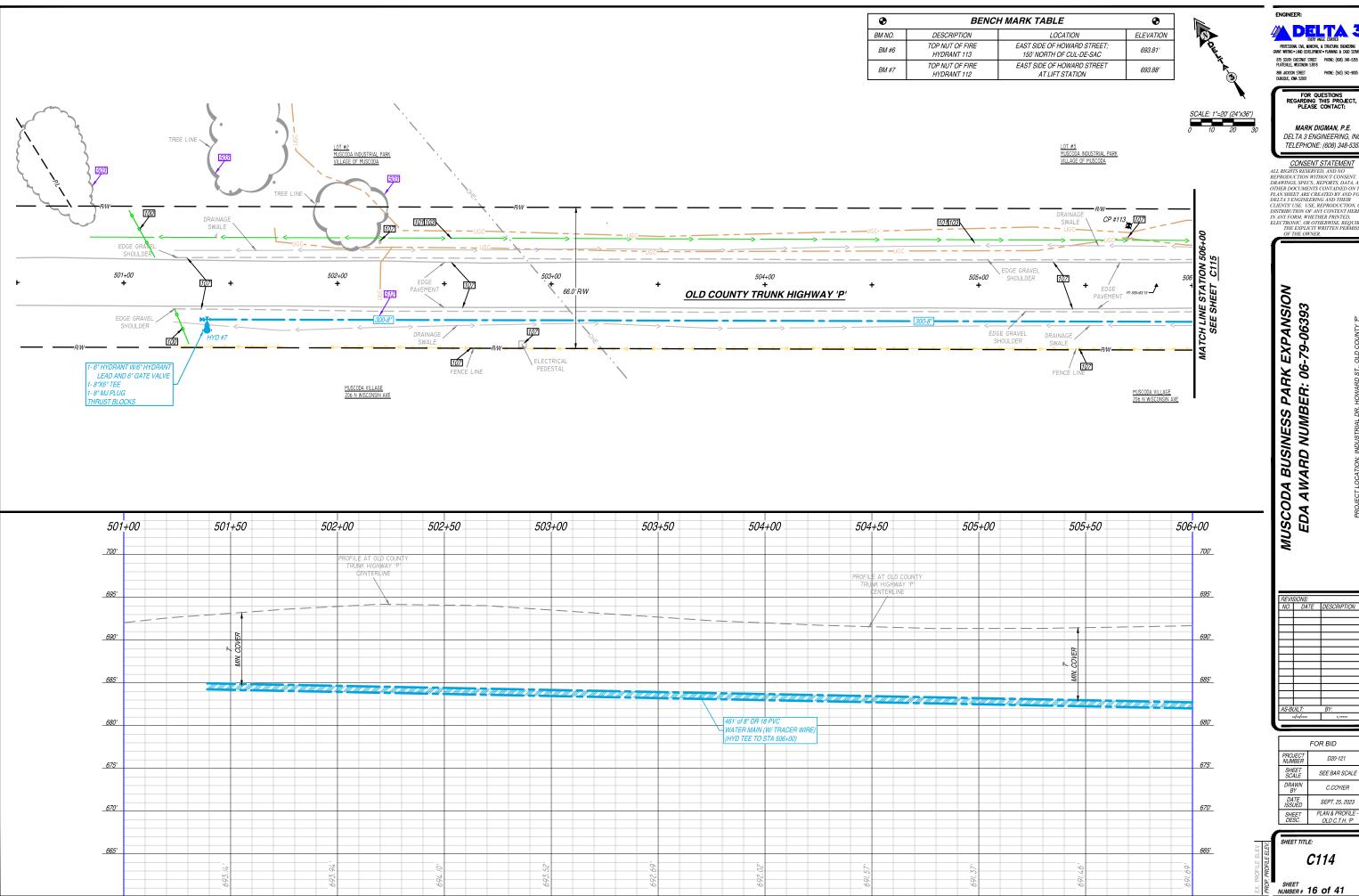
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| SHEET<br>SCALE    | SEE BAR SCALE                     |
| DRAWN<br>BY       | C.COYIER                          |
| DATE<br>ISSUED    | SEPT. 25, 2023                    |
| SHEET<br>DESC.    | PLAN & PROFILE -<br>HOWARD STREET |

SHEET TITLE:

C112

SHEET NUMBER# 14 of 41





ENGINEER:

DELTA 3 875 SOUTH CHESTNUT STREET PHONE: (608) 348-5355 PLATTEVILLE, WISCONSIN 53818

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| SHEET<br>SCALE  | SEE BAR SCALE    |  |  |  |  |  |  |  |
| DRAWN<br>BY     | C.COYIER         |  |  |  |  |  |  |  |
| DATE<br>SSUED   | SEPT. 25, 2023   |  |  |  |  |  |  |  |
| SHEET           | PLAN & PROFILE - |  |  |  |  |  |  |  |

SHEET TITLE:

C114

SHEET NUMBER# 16 of 41

| •      | BENCH MARK TABLE               |   |           |  |  |  |  |  |
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| BM NO. | DESCRIPTION                    | LOCATION  | ELEVATION |  |  |  |  |  |
| BM #6  | TOP NUT OF FIRE<br>HYDRANT 113 | EAST SIDE OF HOWARD STREET;<br>150' NORTH OF CUL-DE-SAC | 693.81'   |  |  |  |  |  |
| BM #7  | TOP NUT OF FIRE<br>HYDRANT 112 | EAST SIDE OF HOWARD STREET<br>AT LIFT STATION           | 693.88'   |  |  |  |  |  |





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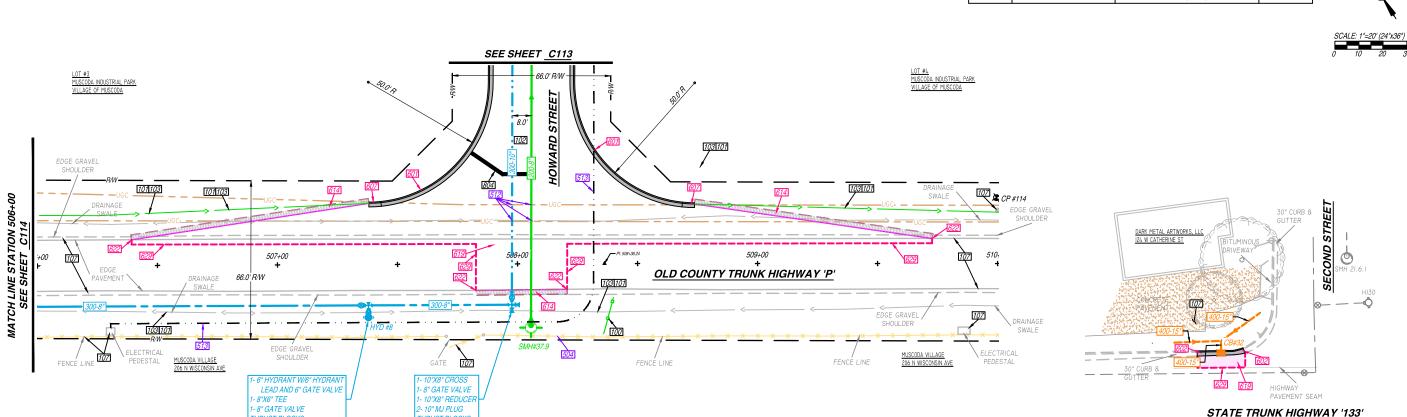
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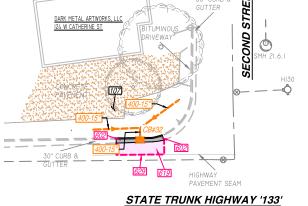
PROJECT NUMBER D20-121 SHEET SCALE SEE BAR SCALE DRAWN BY C.COYIER DATE ISSUED SEPT. 25, 2023 PLAN & PROFILE OLD C.T.H. 'P' SHEET DESC.

SHEET TITLE:

C115

NUMBER # 17 of 41





\*CONTRACTOR TO FIELD VERIFY LOCATION AND ELEVATIONS PRIOR TO ORDERING STRUCTURE\*

\_700'

695'

690'

\_*685*′

of 15" PERFORATED DRAIN TILE

665'

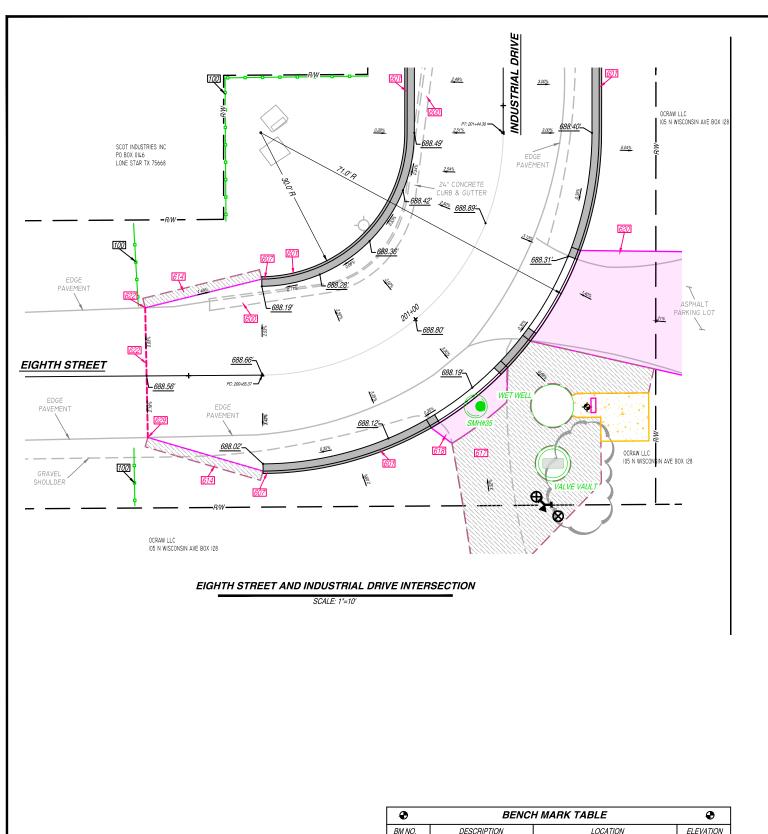
700'

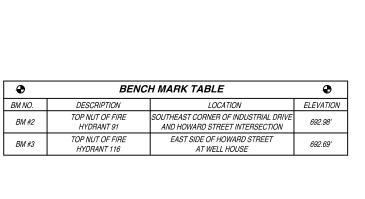
695'

685'

### 506+00 507+00 507+50 508+00 509+00 509+50 510+00 506+50 508+50 700' 700' PROFILE AT OLD COUNTY PROFILE AT OLD COUNT 695' 695' 690' 690' 685' 685' 680' 680' 5' of 8" SDR 35 PVC 5' of 8" SDR 35 PVC 198' of 8" DR 18 PVC SANITARY SEWER STUB @ 0.20% SANITARY SEWER STUB @ 0.209 WATER MAIN (W/ TRACER W WITH CAP (W) WITH CAP (E) (STA 506+00 TO CROSS) 5' of 8" SDR 35 PVC SANITARY 675' 675' SEWER STUB @ 0.20% WITH CAP (N) INV IN(NW):676.93' (8") INV IN(SE):676.93' (8") 670' 670'

665'







THREE D & M LLC IO2 HOWARD ST MUSCODA WI 53573



FOR QUESTIONS REGARDING THIS PROJECT, PLEASE CONTACT:

DELTA 3

ENGINEER:

898 JACKSON STREET DUBUQUE, IOWA 52001

MARK DIGMAN, P.E. DELTA 3 ENGINEERING, INC.

TELEPHONE: (608) 348-5355

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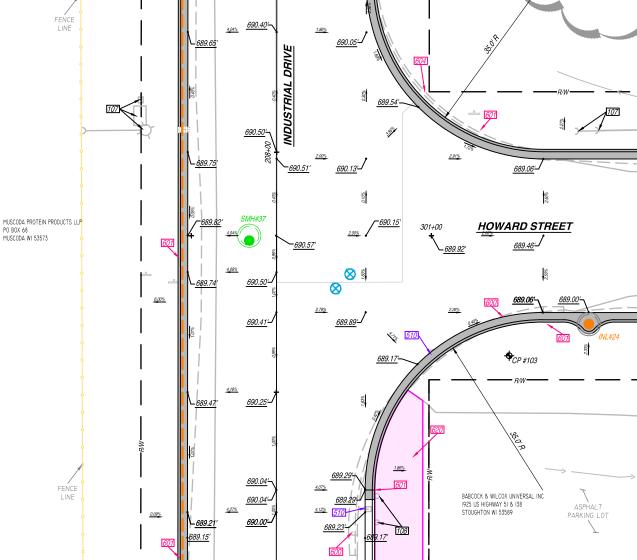
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| PROJECT<br>NUMBER | D20-121                      |
| SHEET<br>SCALE    | SEE BAR SCALE                |
| DRAWN<br>BY       | C.COYIER                     |
| DATE<br>ISSUED    | SEPT. 25, 2023               |
| SHEET<br>DESC.    | PLAN VIEW -<br>INTER GRADING |

SHEET TITLE:

C116

SHEET NUMBER # 18 of 41



INDUSTRIAL DRIVE AND HOWARD STREET INTERSECTION

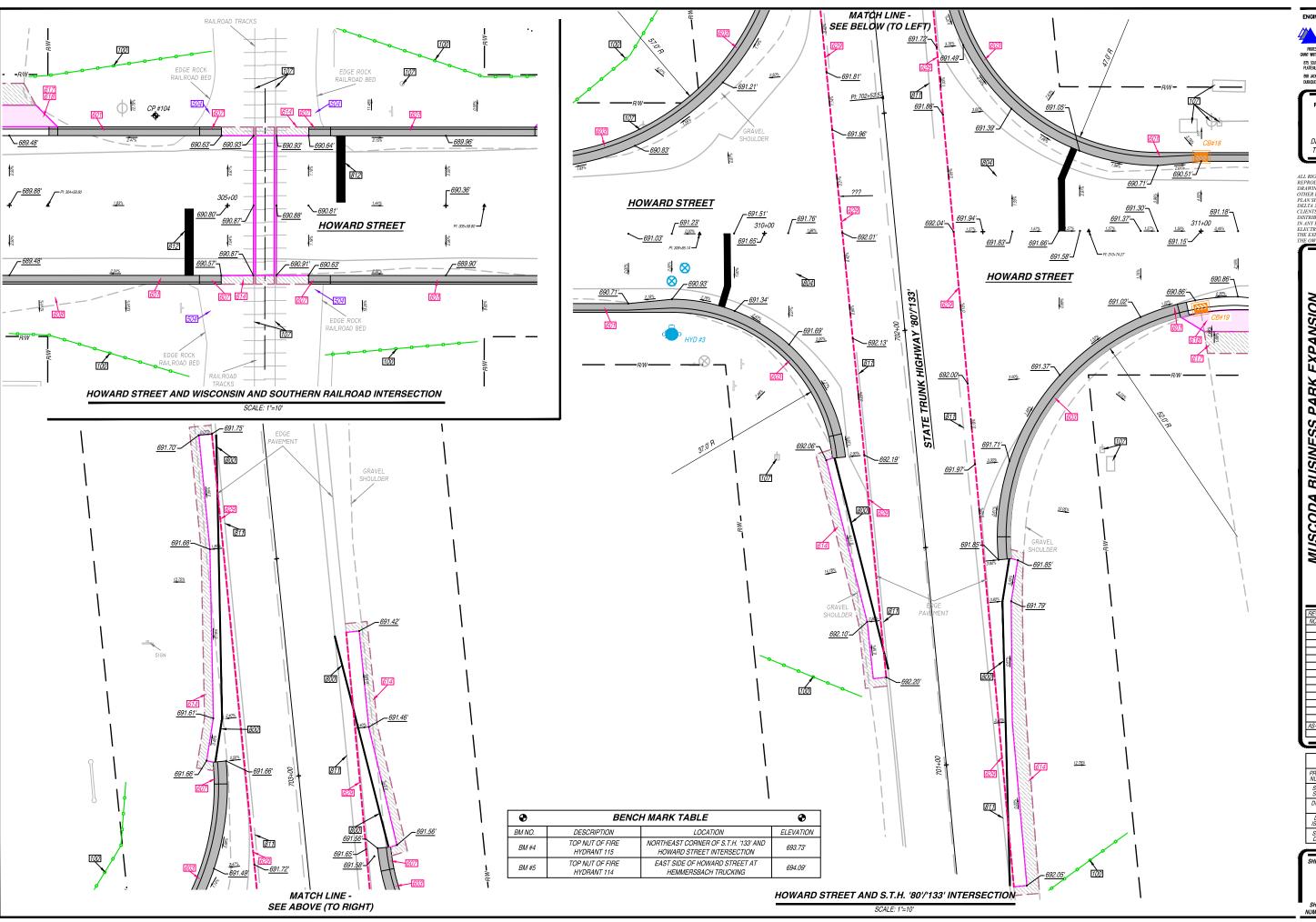
1.35<u>%</u>

<u>690.30</u>'\_

1,36%

107

**⊕** BM #2



ENGINEER:

DELTA 3 875 SOUTH CHESTNUT STREET PHONE: (608) 348-5356 PLATTEVILLE, WISCONSIN 53818 898 JACKSON STREET PHONE: (563) 542–9005 DUBUQUE, IOWA 52001

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MARK DIGMAN, P.E. DELTA 3 ENGINEERING, INC. TELEPHONE: (608) 348-5355

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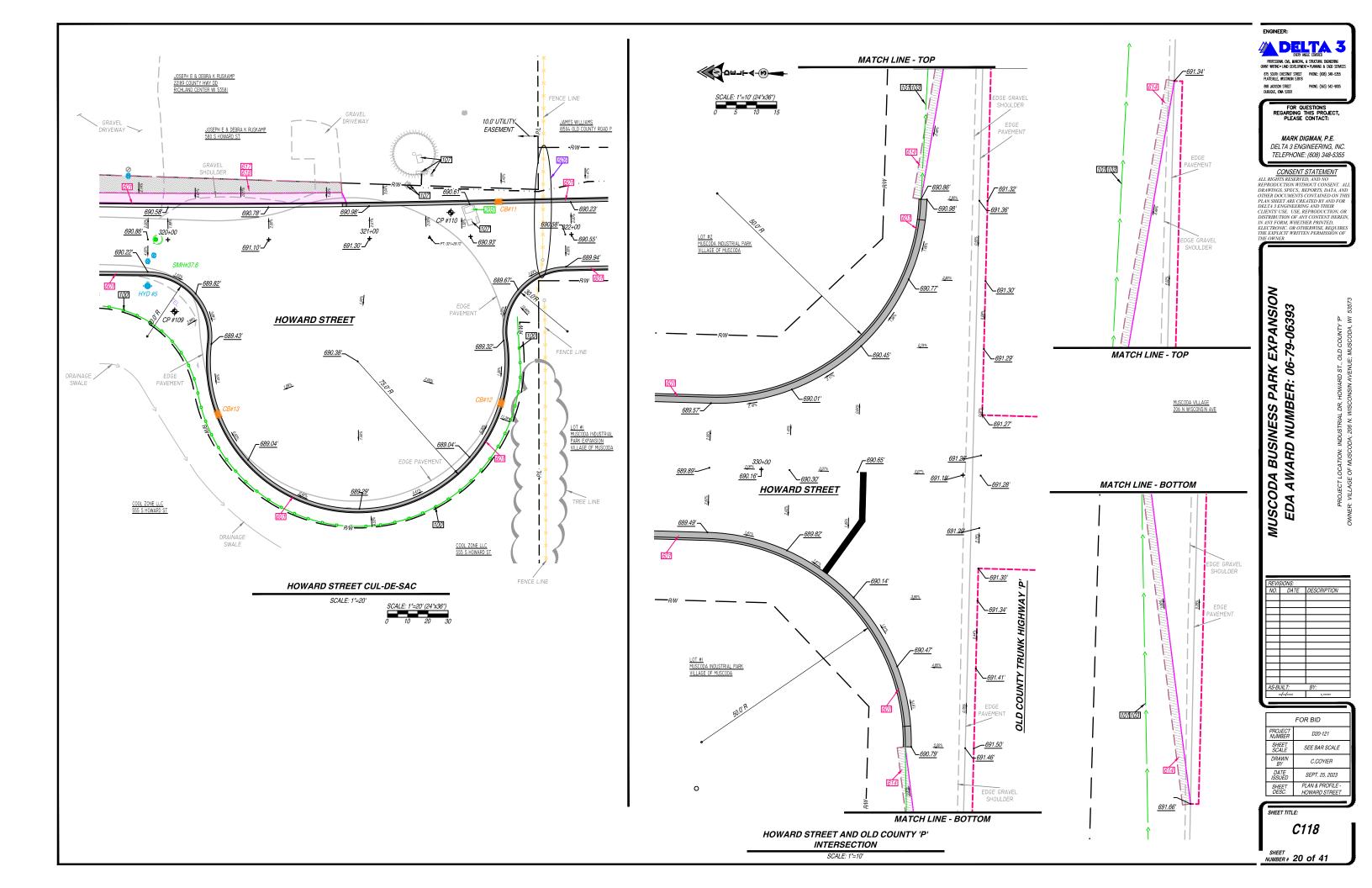
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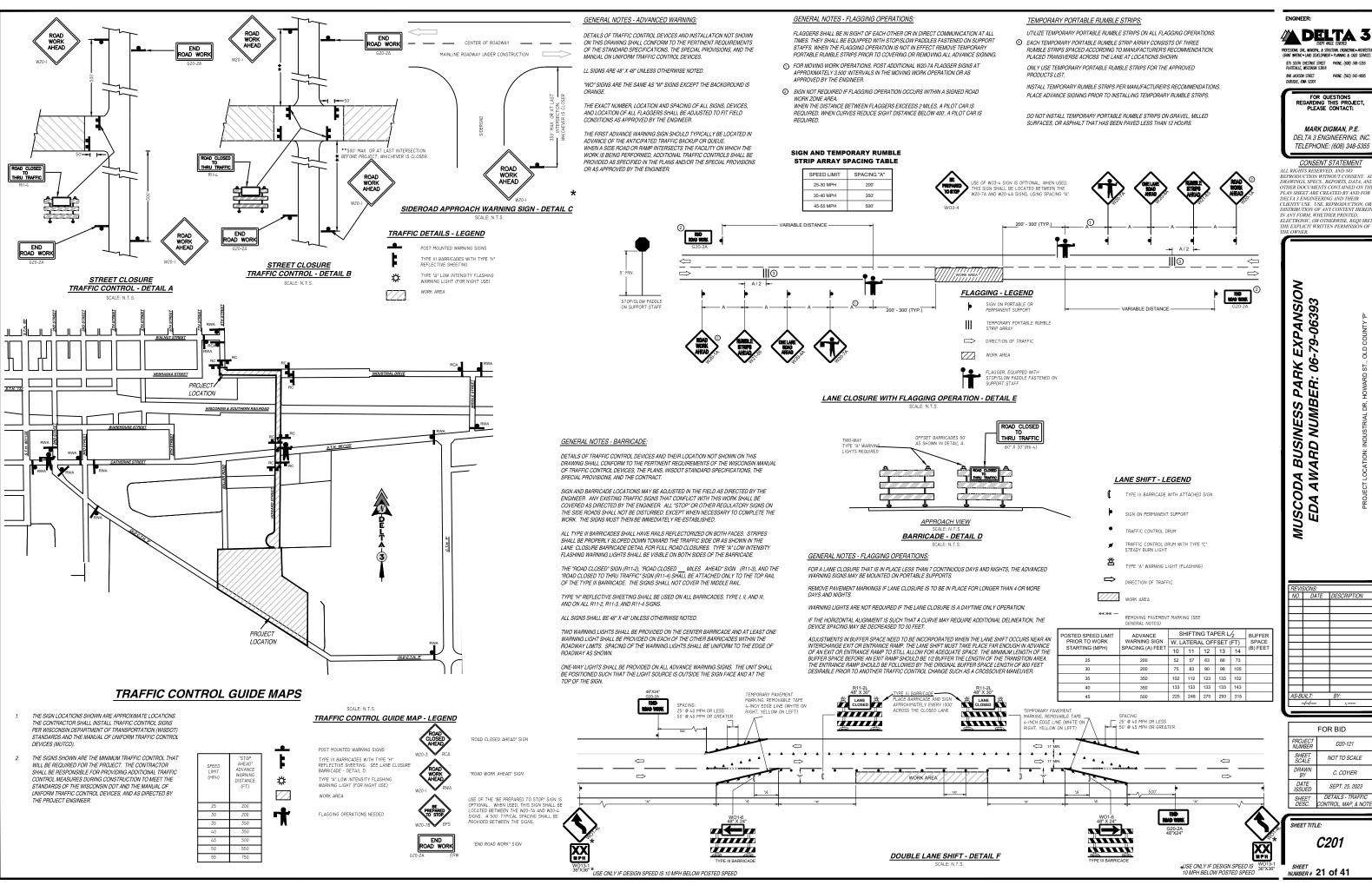
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| SHEET<br>SCALE    | SEE BAR SCALE                 |
| DRAWN<br>BY       | C.COYIER                      |
| DATE<br>ISSUED    | SEPT. 25, 2023                |
| SHEET<br>DESC.    | PLAN VIEW -<br>INTER. GRADING |

SHEET TITLE:

C117

SHEET NUMBER# 19 of 41





DELTA 3 ENGINEERING INC

DELTA 3 ENGINEERING AND THEIR CLIENTS' USE. USE, REPRODUCTION, O THE EXPLICIT WRITTEN PERMISSION OF

NOT TO SCALE SEPT. 25, 2023 DETAILS - TRAFF EROSION CONTROL SEDIMENT LOG

SLOPE INTERRUPTION PRODUCTS TECHNICAL STANDARD 1071. Above Grade (inches) Class Mat Pro

Table 1.

Fence Spacing

WOOD POST

Slope

< 2% 2 to 5%

SILT FENCE - JOINING TWO LENGTHS DETAIL

SILT FENCE - TRENCH DETAIL

### ETS WITH CAST CURB BOX USE WOOD 2"X4 TEND 10" BEYOND GRATE WIDTH ON BOTH ! NOTE: SILT FENCE WILL NOT BE ALLOWED INLET PROTECTION, TYPE C INLET PROTECTION - TYPE D (WITH CURB BOX) SCALE: N.T.S.

(CAN BE INSTALLED IN ANY INLET WITH OF A CURB BOX AS PER NOTE (2) SCALE: N.T.S.

### INLET PROTECTION DETAILS

### INSTALLATION NOTES:

INLET PROTECTION, TYPE B

TRIM EXCESS FABRIC IN THE FLOW TO WITHIN 3" OF GRATE. THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET

DO NOT INSTALL PROTECTION TYPE D IN INLETS SHALLOWER THAN 30". MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE. TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3 OF THE GRATE. THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERELOW HOLES, OF 3" WHERE NECESSARY. THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES. TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

### GENERAL NOTES-INLET PROTECTION:

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENTS EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET, ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED

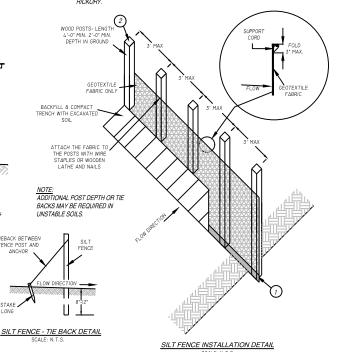
1) FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MIN. OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

2) FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" O. ABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

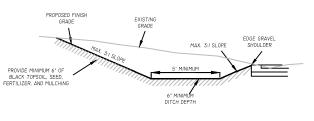
3 FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2"X4".

GENERAL NOTES- SILT FENCE:
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL
CONFORM TO THE PERTINENT REQUIREMENTS OF THE WISDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION (MOST CURRENT EDITION) AND THE APPLICABLE SPECIAL PROVISIONS.

- 1 TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- ② WOOD POST SHALL BE A MINIMUM SIZE OF 1-1/8" X 1-1/8" OF OAK OR



### SILT FENCE DETAILS



### REGRADED DITCH DETAIL

### **EROSION MATTING NOTES:**

- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF FERTILIZER AND MULCH AND SEED.
- 2. BEGIN AT THE TOP OF THE SHOULDER (OR CHANNEL) BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL
- AND COMPACT THE TRENCH AFTER STAPLING. B. ROLL THE BLANKETS DOWN (STARTING AT DOWNSTREAM PROCEEDING UPSTREAM) HORIZONTALLY ACROSS THE SLOPE.
- 4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH MANUFACTURE'S RECOMENDED OVERLAP. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH AN OVERLAF
- USE A DOUBLE ROW OF STAGGERED STAPLES 4" APART TO SECURE BLANKETS. 6. IN HIGH CHANNEL APPLICATIONS, A STAPLE SLOT IS RECOMMENDED AT 30 TO 40 FOOT INTERVALS. USE A ROW OF STAPLES 4' APART OVER THE ENTIRE WIDTH OF THE CHANNEL PLACE A SECOND ROW 4" RELOW THE FIRST ROW IN A STAGERED PATTERN
- THE TERMINAL END OF THE BLANKETS MUST BE ANCHORED IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

### EROSION CONTROL NOTES:

- ENANCE MEASURES ARE ILLUSTRATED ON THE GRADING PLAN SHEETS. AFTER AWARD OF THE CONTRACT THE GENERAL CONTRACTOR SHALL INSTALL ALL BEST MANAGEMENT PRACTICES AS SHOWN ON THE GRADING PLAN SHEETS. THAT ARE REQUIRED TO BE INSTALLED PRIOR TO COMMENCING MASS GRADING. ONCE INSTALLED THE GENERAL CONTRACTOR SHALL CONTACT ENGINEER.
- ONCE NOTIFIED ENGINEER WILL VISIT THE SITE WITHIN 5 DAYS TO REVIEW THE SITE WITH THE GENERAL CONTRACTOR'S SUPERINTENDENT, UPON VISITING THE SITE THE ENGINEER AND THE GENERAL CONTRACTOR'S SUPERINTENDENT WILL REVIEW THE SITE FOR COMPLIANCE WITH THE EROSION CONTROL PLAN. IF AND WHEN ALL BEST MANAGEMENT PRACTICES REQUIRED TO COMMENCE SITE CONSTRUCTION ARE IN PLACE, THE ENGINEER AND PROJECT SUPERINTENDENT WILL SIGN AND CERTIFY THIS FACT. THIS REVIEW AND CERTIFICATION SHALL TAKE PLACE PRIOR TO THE REQUIRED PRE-CONSTRUCTION MEETING. THE SITE SUPERINTENDENT SHALL MAINTAIN AS BUILT COPY OF THE EROSION CONTROL PLAN ON SITE AT ALL TIMES. ANY ACTIVITIES INVOLVING INSTALLATION OF BEST MANAGEMENT PRACTICES SHALL BE INDICTED ON THE AS BUILT FLAN WITH AN INSTALLED IN ERCORDED IN PROMINTION SHALL BE PREMAMENTLY PLACED ON THE SITE MAP INCLUDING THE REST WAT OF THE BEST MANAGEMENT PRACTICES. IF THE SITE MAP BECOMES HARD TO READ THE INSTALL DRAWING SHALL BE SAVED AND A CLEAN COPY SHALL BE ISSUED IN ORDER TO CONTINUE RECORDING ANY ON SITE PROSPOND CONTROL PLAN THE PRACTICES. ON-SITE EROSION CONTROL ACTIVITY.
- A COMPLETE COPY OF ALL INSPECTION REPORTS, PLAN REVISIONS, ETC., MUST BE RETAINED AT THE PROJECT SITE AT ALL TIMES DURING DURATION OF THE PROJECT AND KEPT IN THE PERMANENT PROJECT RECORDS FOR AT LEAST FIVE YEARS FOLLOWING SUBMISSION OF THE NOTICE OF TERMINATION (NOT)
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING THAT ALL SUB-CONTRACTORS INVOLVED IN GROUND DISTURBING ACTIVITY COMPLY WITH THE REQUIREMENTS
- DAILY INSPECTIONS BY THE PROJECT SUPERINTENDENT AND MONTHLY INSPECTIONS BY THE OWNERS CONSTRUCTION MANAGER MUST BE MADE TO DETERMINE THE EFFECTIVENESS OF THE FROSION CONTROL PLAN. THE GENERAL CONTRACTOR TO INSPECT EROSION AND SEDMENT CONTROLS WITHIN 24 HOURS AFTER A RAINFALL EVENT OF OS INCHES OR GREATER. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR OR REPLACE EROSION AND SEDMENT CONTROL BEST MANAGEMENT PRACTICES AS NECESSARY WITHIN 24 HOURS OF INSPECTION.
- A WEEKLY STORM WATER MEETING WILL BE HELD BY THE GENERAL CONTRACTOR WITH ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED IN GROUND-DISTURBING ACTIVITIES TO REVIEW THE REQUIREMENTS OF GRADING PERMITS, THE EROSION CONTROL PLAN, AND ADDRESS ANY PROBLEMS THAT HAVE ARISEN IN IMPLEMENTING THE EROSION CONTROL PLAN OR MAINTAINING THE BMPS. CONTRACTOR SHALL MAINTAIN A LOG OF ALL WEEKLY MEETINGS AND DOCUMENT THE ISSUES ADDRESSED IN THE MEETINGS.
- ONCE THE SITE REACHES FINAL STABILIZATION, ALL PERMANENT EROSION AND SEDIMENTATION CONTROLS ARE INSTALLED AND ALL TEMPORARY EROSION AND SEDIMENTATION CONTROLS ARE REMOVED. THE GENERAL CONTRACTOR AND OWNER MUST COMPLETE A FINAL SITE INSPECTION. UPON APPROVAL BY OWNER, THE OWNER AND GENERAL CONTRACTOR, AS APPLICABLE, MUST COMPLETE AND SUBMIT A NOTICE OF TERMINATION (NOT) FORM TO BE SUBMITTED TO THE WISCONSIN DEPARTMENT OF NATURAL
- A RECORD OF THE DATES WHEN MAJOR GROUND-DISTURBING ACTIVITIES OCCUR, WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE, AND WHEN STABILIZATION MEASURES ARE INITIATED MUST BE MANTAINED UNTIL THE NOT IS FILED. CONTROLS MUST BE IN PLACE DOWN GRADIENT OF GROUND-DISTURBING ACTIVITIES PHORIO TO THE COMBINECTION.
- A LOG OF ALL INSPECTIONS BY FEDERAL, STATE, OR LOCAL STORM WATER OR OTHER ENVIRONMENTAL AGENCIES SHALL BE KEPT BY THE GENERAL CONTRACTOR. THE LOG SHALL INCLUDE THE DATE AND TIME OF VISIT AND WHETHER A REPORT WAS ISSUED OR WILL BE ISSUED AS A RESULT OF THE INSPECTION. ANY REPORTS ISSUED SHALL BE FAXED TO THE DELTA 3 ENGINEERING INC. 608-348-5455 (FAX).
- SOIL STABILIZATION THE PURPOSE OF SOIL STABILIZATION IS TO PREVENT SOIL FROM LEAVING THE SITE. IN THE NATURAL CONDITION, SOIL IS STABILIZED BY NATIVE VEGETATION. THE PRIMARY TECHNIQUE TO BE USED AT THIS PROJECT FOR STABILIZING SITE SOIL WILL BE TO PROVIDE A PROTECTIVE COVER OF TURF GRASS OR PAVEMENT
- TEMPORARY SEEDING OR STABILIZATION AREAS MAY BE STABILIZED TEMPORARILY WITH THE USE OF FAST-GERMINATING ANNUAL SEED. STRAW MULCH, WOOD CELLULOSE FIBERS, TACKIFIERS, NETTING OR BLANKET. WHERE CONDITIONS ARE FAVORABLE, AREAS SHALL BE TEMPORARILY STABILIZED WITHIN 7 DAYS AFTER CONSTRUCTION ACTIVITY CEASES. ALL DISTURBED GROUND WHERE THERE WILL NOT BE CONSTRUCTION FOR LONGER THAN 14 DAYS MUST BE SEEDED OR OTHERWISE
- PERMANENT SEEDING OR SOD ALL AREAS AT FINAL GRADE MUST BE SEEDED OR SODDED WITHIN 3 DAYS AFTER COMPLETION OF THE MAJOR CONSTRUCTION ACTIVITY.
  EXCEPT FOR SMALL LEVEL SPOTS, SEEDED. AREAS SHOULD GENERALLY BE PROTECTED WITH MULCH. ALL AREAS TO BE SEEDED WILL ALSO HAVE TOPSOIL AND OTHER
  AMENDMENT AS STATED IN SPECIFICATION SECTION 02900-PLANTING.
- MULCHING ALL AREAS THAT ARE TEMPORARY OR PERMANENT SEEDED SHALL BE MULCHED ACCORDING TO SECTION 627 MULCHING OF THE WISDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. ALL MULCH IS TO BE ANCHORED UTILIZING METHOD A, B, OR C.
- (D) EROSION CONTROL FOR ANY SLOPES GREATER THAN 3:1 SLOPE EROSION MATTING IS REQUIRED.
- STRUCTURAL CONTROLS BEFORE ANY MAJOR GRADING ACTIVITIES, THE FOLLOWING BEST MANAGEMENT PRACTICES SHALL BE INSTALLED ON THE PROPOSED SITE SILT FENCE,
  - SILT FENCE SILT FENCE IS A SYNTHETIC PERMEABLE WOVEN OR NON-WOVEN FABRIC TYPICALLY INCORPORATING WOODEN OR METAL SUPPORT STAKES AT INTERVALS SUFFICIENT TO SUPPORT THE FENCE, WAITER, AND SEDMENT RETAINED BY THE FENCE. SILT FENCE GAN ALSO BE INSTALLED WITH A WIRDE FENCE BACKING. THE FENCE IS DESIGNED TO RETAIN SEDMENT-LADEN WATER AND ALLOW STRILEMENT OF SUSPENDED SOUS SEPORDE THE STORM WATER FLOWS THROUGHT THE FABRIC FOR DISCHARGE DOWNSTREAM. SILT FENCE SHALL BE LOCATED AS SHOWN ON THE GRADING PLAN SHEETS. THE SILT FENCE TO BE INCLUDED FOR THIS PROJECT SHALL BE CONSTRUCTED PER WISCONSIN DNR TECHNICAL STANDARDS FOR SILT FENCE (CODE 1056).
- TEMPORARY TRACKING PAD ALL ACCESS POINTS FROM THE PUBLIC STREET INTO THE CONSTRUCTION SITE SHALL INCLUDE A TRACKING PAD COMPOSED OF COURSE STONE TO THE DIMENSIONS SHOWN ON DETAIL SHEET (C202). ANY SEDIMENT REACHING A PUBLIC OR PRIVATE ROAD SHALL BE REMOVED BY STREET CLEANING (NOT FLUSHING) REFORE THE END OF EACH WORKDAY
- STORM SEWER INLET PROTECTION CLIRR AND GRATED INLETS ARE PROTECTED FROM THE INTRUSION OF SILT AND SEDIMENT THROUGH A VARIETY OF SEDIMENT S IOHM SEWEN INLET PROTECTION—OUTDINA DURANTED MILETS ARE PROTECTED FROM THE WITHOUTDING STATE AND SEDMENT I THROUGHT A VARIETY OF SEDMENT CONTRICE, PRACTICES TO ALLOW SETTLEMENT OF SUSPENDED SOLIS BEFORE DISCHARIGING INTO THE STORM SEWER. GRATED INLETS TYPICALLY WICLIDE A STURDY FRAME WRAPPED IN GEOTEXTILE FABRIC OR SEDMENT LOB PERIMETER TO SLOW THE FLOW OF WATER AND ALLOW PONDING WHERE SEDMENT MAY SETTLE OUT. CURB WLETS TYPICALLY WICLIDE SEDMENT LOB ARRIEDS HELD IN PLACE WITH GEOTEXTILE FABRIC, OTHER MANUFACTURED PRODUCTS ARE ALSO AVAILABLE. ALL STORM DRAINS SHALL BE PROTECTED BY USING STRAW BALES, SEDMENT LOGS, FABRIC, OR EQUIVALENT BARRIER.
- FINAL SITE STABILIZATION IS ACHIEVED WHEN TURF GRASS COVER PROVIDES PERMANENT STABILIZATION FOR AT LEAST 70 PERCENT OF THE DISTURBED SOIL SURFACE,
- DUST CONTROL CONSTRUCTION TRAFFIC MUST ENTER AND EXIT THE SITE AT THE STABILIZED CONSTRUCTION EXIT. THE PURPOSE IS TO TRAP DUST AND MUD THAT WOULD OTHERWISE BE CARRIED OFF-SITE BY CONSTRUCTION SITE.

WATER TRUCKS OR OTHER DUST CONTROL AGENTS WILL BE USED AS NEEDED DURING CONSTRUCTION TO REDUCE DUST GENERATED ON THE SITE. DUST CONTROL
MUST BE PROVIDED BY THE GENERAL CONTRACTOR TO A DEGREE THAT IS ACCEPTABLE TO THE OWNERS CONSTRUCTION MANAGER, AND IN COMPLIANCE WITH
APPLICABLE LOCAL AND STATE DUST CONTROL REGULATIONS. AFTER CONSTRUCTION, THE SITE WILL BE STABILIZED (AS DESCRIBED ELSEWHERE), WHICH WILL REDUCE
THE ORDITAL TO DUST CONTROL TO.

SOLID WASTE DISPOSAL - NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS, ARE ALLOWED TO BE DISCHARGED FROM THE SITE WITH STORM WATER. ALL SOLID WASTE, INCLUDING DISPOSABLE MATERIALS INCIDENTAL TO THE MAJOR CONSTRUCTION ACTIVITIES, MUST BE COLLECTED AND PLACED IN CONTAINERS. THE CONTAINERS WILL BE EMPTIED AS NECESSARY, BY A CONTRACT TRASH DISPOSAL SERVICE AND HAULED AWAY FROM THE SITE. THE LOCATION OF SOLID WASTE RECEPTACLES SHALL BE SHOWN ON THE EROSION CONTROL PLAN.

SUBSTANCES THAT HAVE THE POTENTIAL FOR POLLUTING SURFACE AND/OR GROUNDWATER MUST BE CONTROLLED BY WHATEVER MEANS NECESSARY IN ORDER TO ENSURE THAT THEY DO NOT DISCHARGE FROM THE SITE. A AN EXAMPLE, SPECIAL CARE MUST BE EXERCISED DURING EQUIPMENT FUELING AND SERVICING OPERATIONS. IF A SPILL OCCURS, IT MUST BE CONTAINED AND DISPOSED SO THAT IT WILL NOT FLOW FROM THE SITE OR ENTER GROUNDWATER, EVEN IF THIS REQUIRES REMOVAL. TREATMENT, AND DISPOSAL OF SOIL. IN THIS REGARD, POTENTIALLY POLLUTING SUBSTANCES SHOULD BE HANDLED IN A MANNER CONSISTENT WITH THE IMPACT THEY

- SANITARY FACILITIES ALL PERSONNEL INVOLVED WITH CONSTRUCTION ACTIVITIES MUST COMPLY WITH STATE AND LOCAL SANITARY OR SEPTIC SYSTEM REGULATIONS.
  TEMPORARY SANITARY FACILITIES WILL BE PROVIDED AT THE SITE THROUGHOUT THE CONSTRUCTION PHASE. THEY MUST BE UTILIZED BY ALL CONSTRUCTION PERSONN AND MUST BE SERVICED BY A COMMERCIAL OPERATOR.
- MUST ORIGINATE FROM A PUBLIC WATER SUPPLIER, OR PRIVATE WELL APPROVED BY THE STATE HEALTH DEPARTMENT. WATER USED FOR CONSTRUCTION THAT DOES NOT ORIGINATE FROM AN APPROVED PUBLIC SUPPLY MUST NOT DISCHARGE FROM THE SITE. IT CAN BE RETAINED IN THE PONDS UNTIL IT INFILTRATES AND EVAPORATES.
- CONCRETE WASTE FROM CONCRETE READY-MIX TRUCKS DISCHARGE OF EXCESS OR WASTE CONCRETE AND/OR WASH WATER FROM CONCRETE TRUCKS WILL BE ALLOWED ON THE CONSTRUCTION SITE, BUT ONLY IN SPECIFICALLY DESIGNATED DIKED AREAS PREPARED TO PREVENT CONTACT BETWEEN THE CONCRETE ANDIOR WASH WATER AND STORM WATER THAT WILL BE DISCHARGED FROM THE SITE. ALTERNATIVELY, WASTE CONCRETE CAN BE PLACED INTO FORMS TO MAKE RIP-RAP OR OTHER USEFUL CONCRETE PRODUCTS. THE CURED RESIDUE FROM THE CONCRETE WASHOUT DIKED AREAS SHALL BE DISPOSED IN ACCORDANCE WITH APPLICABLE STATE AND FEDERAL REGULATIONS. THE JOB SITE SUPERINTENDENT IS RESPONSIBLE FOR ASSURING THAT THESE PROCEDURES ARE FOLLOWED.
- FUEL TANKS TEMPORARY ON-SITE FUEL TANKS FOR CONSTRUCTION VEHICLES SHALL MEET ALL STATE AND FEDERAL REGULATIONS. TANKS SHALL HAVE APPROVED SPILL CONTAINMENT WITH THE CAPACITY REQUIRED BY THE APPLICABLE REGULATIONS. THE TANK SHALL BE IN SOUND CONDITION FREE OF RUST OR OTHER DAMAGE WHICH MIGHT COMPROMISE CONTAINMENT. HOSES, VALVES, FITTINGS, CAPS, FILLER NOZZLES, AND ASSOCIATED HARDWARE SHALL BE MAINTAINED IN PROPER WORKING
- PRIOR TO COMMENCING SITE MASS GRADING, THE GRADING CONTRACTOR SHALL COMPLETE A PLAN OF AREAS THAT WILL BE UTILIZED FOR EARTH MATERIAL STOCKPILING, AND A PLAN FOR PROVIDING SUITABLE EROSION CONTROL MEASURES. THE LOCATION OF THE STOCKPILES SHALL NOT BE WITHIN 20' OF A DRAINAGE SWALE (EXISTING, TEMPORARY, OR PROPOSED) OR WITHIN 20' OF THE PROPOSED PONDS. THE PLAN ALL BE SUBMITTED TO ENGINEER FOR REVIEW AND APPROVAL. TEMPORARY SEEDING SHALL BE PROVIDED FOR ALL STOCKPILED MATERIAL PER NOTE 9 (A). A LOCAL PERIMETER CONTROL SHALL BE PLACE AROUND THE DOWNSTREAM SIDE OF ALL STOCKPILES. THE PERIMETER CONTROL SHALL BE PLACED 10' FROM THE BOTTOM OF THE STOCKPILE SLOPE. LOCAL PERIMETER CONTROL TO BE SILT FENCE UNLESS AN ALTERNATE IS APPROVED BY THE
  - MINIMIZING EROSION AND RUNOFF DURING TRENCH OPERATIONS
    - EXCAVATED TRENCH MATERIALS SHALL BE PLACED ON THE UPPER SIDE OF THE TRENCH WHILE THE TRENCH IS OPEN.
    - EXCAVATED TRENCH MATERIAL, UPON COMPLETING WORK IN TRENCH, SHALL BE PLACED BACK IN THE TRENCH OR HAULED AWAY TO A PROPER SPOIL SITE. THE TRENCH SHALL BE BACKFILLED AND STABILIZED AT THE END OF EACH WORKING DAY.

DELTA 3

875 SOUTH CHESTNUT STREET PHONE: (608) 348-5355 PLATTEVILLE, WISCONSIN 53818

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FOR QUESTIONS
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PLEASE CONTACT: MARK DIGMAN P.F.

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PLAN SHEET ARE CREATED BY AND FO CLIENTS' USE. USE, REPRODUCTION, O

HE EXPLICIT WRITTEN PERMISSION O

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D20-121 NOT TO SCALE DRAWN C.COYIER SEPT. 25, 2023 DETAILS - EROSIC SHEET DESC. CONTROL & NOTES

SHEET TITLE

C202

NUMBER # 22 of 41

### CHANNEL EROSION CONTROL MATRIX

(Concentrated Flow Application)

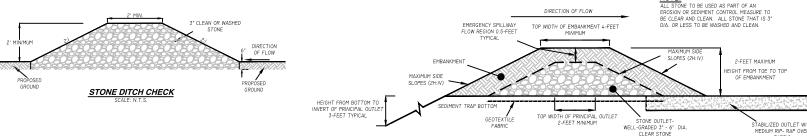
|  | 28   |           |      |         |     |         |         | DIT | CHOR  | ADE |     |       |      |         |           |     |   |  |  |           |  |  |         |  |   |  |
|--|------|-----------|------|---------|-----|---------|---------|-----|-------|-----|-----|-------|------|---------|-----------|-----|---|--|--|-----------|--|--|---------|--|---|--|
| TYPE OF EROSION  | 388. |           | < 2% |         | 100 | 2% - 4% |         |     |       |     |     |       |      | 2% - 4% |           |     | 4%-6%   |  |  | 6% - 2% * |  |  | 6 - 129 |  | 1 |  |
| CONTROL DEVICE   | 100  | Mm<br>300 | Leng | h (ft.) |     | Longi   | h (ft.) |     | Lengt |     |     | Longe | (fL) |         | Longt     |     | REMARKS   |  |  |           |  |  |         |  |   |  |
| Seed with properly anchored mulch  | 0.6  | -         |      | -       | -   | -       | -       | -   | -     | -   |     |       | -    |         |           |     | Anchor mulch per specifications.  |  |  |           |  |  |         |  |   |  |
| Sod ditch checks with seed and mulch   | NIA  | _         |      |         |     |         |         |     |       | 3   | Ц., |       |      |         |           |     | Inetall one ditch check for every 1 tool of drop. Soci states<br>movined.   |  |  |           |  |  |         |  |   |  |
| Temporary ditch checks (hay bake or<br>approved manufactured afternetives<br>fished in the WisDOT PAL)                   | NIA  | H         | F    |         |     |         | H       |     |       |     |     |       |      |         |           |     | Install one ditch check for every 2 feet of drop. Missimum 2 specing. Not recommended for slopes less than 1%.  |  |  |           |  |  |         |  |   |  |
| Sod ditch liner  | 1.0  | _         |      |         | 66  |         |         |     | . (   |     |     |       |      |         |           |     | Upstreem and must be turied. Additional and<br>staken moulest.  |  |  |           |  |  |         |  |   |  |
| Double nated light duty (WaDOT<br>Class I Type III) arealon mat  | 1.5  | =         | _    | _       | _   |         | >-      |     |       | П   | W.  |       |      |         |           | - 0 | Only must type products allowed.  |  |  |           |  |  |         |  |   |  |
| Sod reinforced with a double netted<br>jute (WeDOT Clase II Type A) crosion<br>met                                       | 1.5  |           | -    |         | -   |         |         |     |       |     |     |       |      |         |           |     | Upstream end must be buried. Additional sod stakes required bid items modded.   |  |  |           |  |  |         |  |   |  |
| Stone or rock dilch chacks, or Rock-<br>Pilled Piller Bags   | NOA  |           |      | -       | _   |         |         |     |       |     | 38  |       |      |         | Section 2 |     | Use No. 2 coerse aggregate, relinad beliest, or breeker run<br>Install one ditch check for every 2 feet of drop. Use in<br>conjunction with a channel lining. |  |  |           |  |  |         |  |   |  |
| Medium duty coconut erosion met<br>(WalDOT Cleas II Type B or C)   | 2,0  |           |      |         |     |         |         | _   |       | 3   |     |       |      |         |           |     |   |  |  |           |  |  |         |  |   |  |
| Heavy duty synthetic (WisDOT Class<br>III Type A) erosion met or terf<br>esinfercement mai (WisDOT Class III<br>Type II) | 2.0  | _         |      | -       |     | _       |         |     |       |     |     |       |      |         |           |     | Germination may be a problem with Class III Type A mate.<br>An ECRM is required for initial excelon protection for Class<br>Type 8 mats.                      |  |  |           |  |  |         |  |   |  |
| Heavy duty synthetic tar!<br>reinforcement (WaDOT Class III Type<br>C) met   | 3.5  | -         | -    | -       | -   | -       | _       | -   | -     | -   |     |       |      |         |           |     | An BCRM is required for initial erosion proteotion. Contact<br>manufacturer if higher shears are needed.  |  |  |           |  |  |         |  |   |  |
| Riprep dish checks   | NIA  | -         |      |         |     | -       |         |     |       | -   | -   |       | -    |         |           | 00  | Place top of downstream ditch check level with bottom of<br>upstream ditch check. Use in conjunction with a channel<br>living.                                |  |  |           |  |  |         |  |   |  |
| Heavy duty synthetic turf<br>reinforcement (Clase III Type D) met  | 6    |           |      | -       |     |         |         | _   |       |     |     |       |      | -       |           | _   | An ECHM is required for initial arcsion protection. Contact<br>manufacturer if higher sheers are needed.  |  |  |           |  |  |         |  |   |  |
| Light riprap   | 4    | -         |      | -       | -   |         |         | -   |       |     |     | -     |      | -       | -         |     | Cuttaling, overtopping and scour need to be   |  |  |           |  |  |         |  |   |  |
| Medium riprap  | 5    | -         | -    |         |     |         |         | -   | -     |     |     |       |      |         |           |     | addressed. Use 2' minimum dilith depth.   |  |  |           |  |  |         |  |   |  |
| Heavy rigrap   | 8    | -         | -    | -       | -   | -       | -       | -   | -     | -   | -   | -     | -    | -       | -         | -   |   |  |  |           |  |  |         |  |   |  |

NOTE: CONTRACTOR SHALL INSTALL CHANNEL AND SLOPE EROSION CONTROL TO MEET THE REQUIREMENTS OF THE EROSION CONTROL MATRICES

### SLOPE EROSION CONTROL MATRIX

|   |               |                  |         |         |         |           |                   |                     | SL                | OPE                |          |                    |                   |                 |          |                     |         |          |  |
|---|---------------|------------------|---------|---------|---------|-----------|-------------------|---------------------|-------------------|--------------------|----------|--------------------|-------------------|-----------------|----------|---------------------|---------|----------|--|
| TYPE OF EROSION   |               | or Bett          |         |         | 4:1     |           |                   | 3:1<br>SLOPE LENGTH |                   |                    | 2.5:1    |                    | 2:1               |                 |          | 1:1<br>SLOPE LENGTH |         |          |  |
| CONTROL   |               |                  |         |         | PELE    |           |                   |                     |                   |                    |          |                    |                   | PE LE           |          |                     |         |          | )  |
|   | 0 - 30        | 30 - 65          | 20 - 12 | 0.30    | 30 - 60 | 100 - 12f | 0-80              | 30 - 80             | 20 - 120          | 0.30               | 30 - 80  | 0 121              | 0-30              | 30 - 50         | 10 - 120 | 0-30                | 20.60   | 33 - 120 | REMARKS  |
| Seed with property exchored<br>mutch  | -             | _                |         | _       |         |           |                   | _                   | _                 |                    |          |                    |                   |                 |          |                     | L       |          |  |
| Single netted light duty (WeDOT<br>Class I Type A) erceion mat                        |               |                  |         |         |         |           | _                 |                     | _                 |                    | _        |                    |                   |                 |          |                     |         | ١.       |  |
| Light duty single netted 100%<br>blocksgradesble (MisDOT Urban<br>Type A) erosion met | _             | -                | -       | -       | -       | -         |                   |                     |                   |                    |          |                    |                   |                 |          |                     |         |          | Use only 100% blodegradeable<br>anchore for urben mate.  |
| Light duty double netted 100%<br>biodegradeable (WisDOT Urban<br>Type B) erosion met  | -             |                  | -       | -       | -       | -         |                   | -                   |                   |                    |          |                    |                   |                 |          |                     |         |          | Use only 100% biodegradeable<br>enchore for urban matz.  |
| Bonded Mulch (WhIDO'T Type A Sol<br>Stabilizer)                                       |               |                  |         |         |         |           | -                 |                     |                   |                    |          |                    | ĺ                 |                 |          |                     |         |          | May be applied over Class III Type B,<br>C, or D mais in place of excelon contravecetation meta. |
| Polymer (WIEDOT Type B Soil<br>Stabilizer)  | Used<br>a 3:1 | in con<br>slope. | Unctio  | r: with | other B | MPs et    | Mective<br>de for | up to<br>earther    | a 2:1 el<br>stock | ope. N<br>plies, t | iot edie | tive in<br>ry, and | eand,<br>I iste s | When<br>seaon e | used al  | one el              | fective | up to    |  |
| Double natted light duty (WaDDT   |               |                  | T       | T       | T-      | T         |                   |                     |                   |                    |          | 0                  | Ι                 |                 |          |                     | T       | T        |  |
| Class I Type B) crosion mat   | -             | _                | _       | ***     | _       | _         |                   |                     |                   |                    |          | W                  |                   | •               |          |                     |         | 1        |  |
| Sod   | -             |                  | -       | -       | -       | -         |                   | _                   |                   |                    |          | (V)                | _                 |                 |          |                     |         |          |  |
| Medium duly coconsi erosion mat<br>(WaDOT Class II Type B or C)                       |               |                  | -       | _       |         |           |                   |                     |                   |                    |          |                    |                   |                 |          |                     |         |          |  |
| Sod reinforced with a double neited   |               | -                | ╁       | +       | -       | -         | -                 | -                   | -                 |                    |          | _                  | -                 |                 |          |                     | -       | -        | Sod stakes required. Two bid items   |
| um (WaDOT Class II Type A) occion mat   |               |                  | -       | -       | -       | -         |                   | -                   |                   | _                  |          | ⊗                  | _                 |                 |          |                     |         |          | needed.  |
| Nearly duty synthetic erosion control synchrol (MeDOT Class III)                      |               |                  |         |         |         |           | _                 |                     |                   |                    |          |                    |                   |                 |          |                     |         |          | Germination may be a problem with  |
| (me A)  |               |                  | -       | _       |         |           |                   |                     |                   |                    |          |                    |                   |                 |          |                     |         |          | Class III Type A muss Angle of repose must be considered.  |
| Ripmp .   |               |                  | -       |         | -       | -         |                   |                     |                   |                    | -        |                    |                   | -               | -        | •                   |         |          | see FDM Chapter 13.  |
| leavy duty synthetic turi   |               |                  |         | 1       | L       |           |                   |                     |                   |                    |          |                    |                   |                 |          |                     |         |          | A soil stubilizer or ECRM will be  |
| einforcement (WaDOT Class III ' Type B or C) mat.                                     |               |                  | T-      | 7       | Γ.      | _         |                   | T                   |                   |                    |          |                    |                   |                 |          |                     | ĺ       |          | required for initial erosion protection.   |
| Heavy duty synthetic turf   |               |                  |         | L       |         |           | L                 |                     |                   |                    |          |                    |                   |                 |          |                     |         |          | A soil stabilizer or ECRM will be  |
|   |               | _                | _       | T       | _       | 7         | _                 |                     |                   | _                  | -        | _                  |                   |                 |          |                     |         |          | required for initial arosion protection.   |
| Resvy duty synthetic turf<br>winforcoment (WisDOT Cleas III<br>Type D) met            |               |                  | L.      |         |         |           |                   |                     |                   |                    |          |                    |                   |                 |          |                     |         |          |  |

NOTE: CONTRACTOR SHALL INSTALL CHANNEL AND SLOPE EROSION CONTROL TO MEET THE REQUIREMENTS OF THE EROSION CONTROL MATRICES

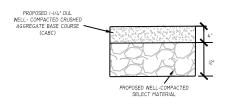


SIDE-SLOP

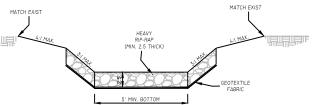
HEIGHT FROM BOTTOM TO PRINCIPAL OUTLET INVERT (3-FEET TYPICAL)



### DIVERSION BERM DETAIL

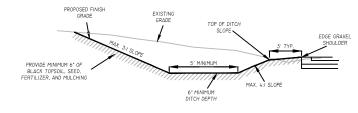


### STAGING AREA DETAIL SCALE: N.T.S.

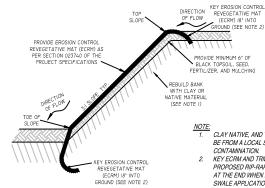


### TYPICAL RE-PROFILE RIP-RAP DITCH DETAIL

SCALE: N.T.S.



### ROADSIDE DITCH DETAIL SCALE: N.T.S.

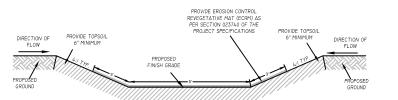


. CLAY NATIVE, AND TOP SOIL MATERIAL SHALL BE FROM A LOCAL SOURCE FREE OF CONTAMINATION. 2. KEY ECRM AND TRM 18" INTO GROUND/UNDER PROPOSED RIP-RAP AT THE BEGINNING AND AT THE END WHEN INSTALLING FOR A GRASS SWALE APPLICATION

VIEW A-A OF SEDIMENT TRAP PRINCIPAL OUTLET NOTES:

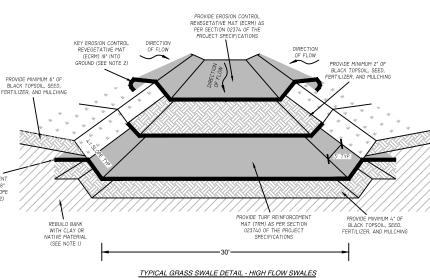
) SIDE-SLOPES AND FACES OF EARTHEN EMBANKMENT AROUND OUTLET SHALL BE ARMORED WITH 6-12\* RIP-RAP TO THE DIMENSIONS PROVIDED IN THE SEDIMENT TRAP TABLE (SHEET #2).

> CROSS-SECTION VIEW OF SEDIMENT TRAP PRINCIPAL OUTLET SCALE: N.T.S.



### TYPICAL GRASS SWALE DETAIL - LOW FLOW SWALES

SCALE: N.T.S.



SCALE: N.T.S.

### EROSION MATTING ANCHORING DETAIL - SIDE SLOPE

ENGINEER:

### A DELTA 3

875 SOUTH CHESTNUT STREET PHONE: (608) 348-5355 PLATTEVILLE, WISCONSIN 53818 898 JACKSON STREET DUBUQUE, KNAA 52001 PHONE: (563) 542-9005

FOR QUESTIONS REGARDING THIS PROJECT, PLEASE CONTACT:

MARK DIGMAN, P.E. DELTA 3 ENGINEERING INC.

TELEPHONE: (608) 348-5355 CONSENT STATEMENT

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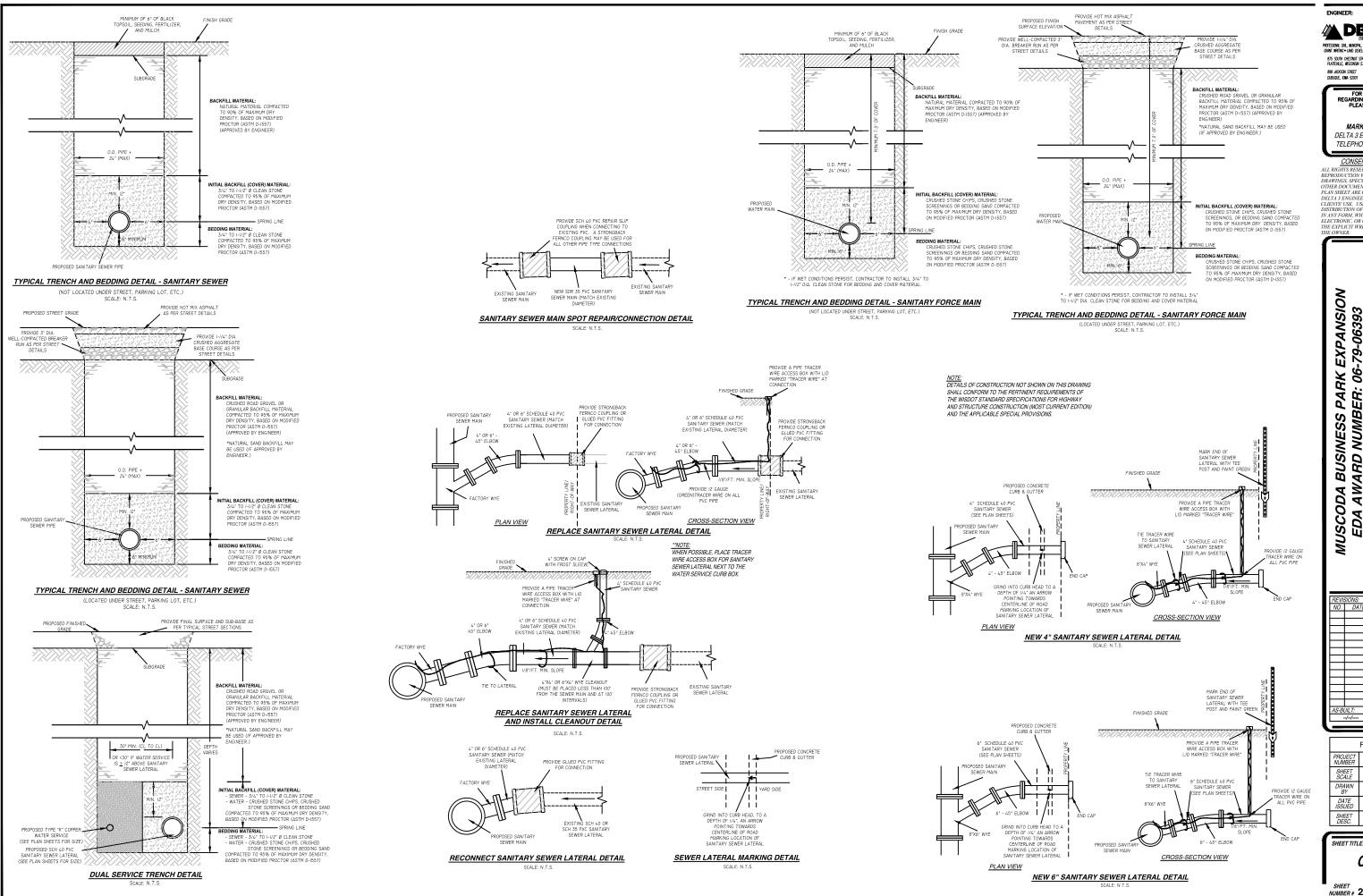
MUSCODA BUSINESS PARK EXPANSION EDA AWARD NUMBER: 06-79-06393

PROJECT NUMBER D20-121 SHEET SCALE NOT TO SCALE DRAWN BY C. COYIER DATE ISSUED SEPT. 25, 2023 DETAILS - EROSION CONTROL & NOTES SHEET DESC.

SHEET TITLE:

C203

SHEET NUMBER # 23 of 41



ENGINEER:

A DELTA 3 875 SOUTH CHESTNUT STREET PHONE: (608) 348-5355 PLATTEVILLE, WISCONSIN 53818

PHONE: (563) 542-9005 FOR QUESTIONS REGARDING THIS PROJECT, PLEASE CONTACT:

> MARK DIGMAN, P.E. DELTA 3 ENGINEERING INC. TELEPHONE: (608) 348-5355

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MUSCODA BUSINESS PARK EXPANSION EDA AWARD NUMBER: 06-79-06393

D20-121 NOT TO SCALE C.COYIER SEPT. 25, 2023 DETAILS - SANITAR SEWER SYSTEM

SHEET TITLE:

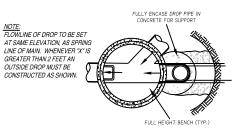
C204

NUMBER # 24 of 41

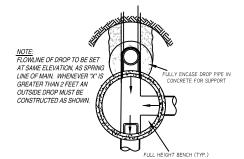
|                   | TABLE A - SANITARY STRUCTURES |                   |               |            |                 |        |                   |               |  |  |  |  |
|-------------------|-------------------------------|-------------------|---------------|------------|-----------------|--------|-------------------|---------------|--|--|--|--|
| STRUCTURE NUMBER: | STA./LOCATION:                | TYPE/SIZE:        | CASTING TYPE: | TOP ELEV.: | INV. OUT ELEV.: | DEPTH: | FRAME/CHIMNEY:    | DROP MANHOLE: |  |  |  |  |
| SMH#35            | 200+98.64, 2I.98' R           | 4.0' DIA. PRECAST | R-I550*       | 688.28'    | (S) 666.36'     | 21.92' | INTERNAL/EXTERNAL | YES           |  |  |  |  |
| SMH#36            | 204+00.00, 5.68' L            | 4.0' DIA. PRECAST | R-I550*       | 689.01'    | (W) 667.26'     | 21.75' | INTERNAL/EXTERNAL | NO            |  |  |  |  |
| SMH#37            | 207+82.59, 5.68' L            | 4.0' DIA. PRECAST | R-I550*       | 690.49"    | (W) 668.35'     | 22.14' | INTERNAL/EXTERNAL | NO            |  |  |  |  |
| SMH#37.09         | 208+97.56, 6.II' L            | 4.0' DIA. PRECAST | R-I550*       | 689.86'    | (W) 668.69'     | 21.17' | INTERNAL/EXTERNAL | YES           |  |  |  |  |
| SMH#37.2          | 303+95.00, 0.00'              | 4.0' DIA. PRECAST | R-I550*       | 689.30'    | (N) 669.29'     | 20.01' | INTERNAL/EXTERNAL | NO NO         |  |  |  |  |
| SMH#37.3          | 307+95.00, 0.00' R            | 4.0' DIA. PRECAST | R-I550*       | 690.12'    | (N) 670.43'     | 19.69' | INTERNAL/EXTERNAL | NO            |  |  |  |  |
| SMH#37.4          | 311+95.00, 0.00'              | 4.0' DIA. PRECAST | R-I550*       | 691.531    | (N) 671.57'     | 19.961 | INTERNAL/EXTERNAL | NO            |  |  |  |  |
| SMH#37.5          | 315+95.00, 0.00'              | 4.0' DIA. PRECAST | R-I550*       | 690.72'    | (N) 672.69'     | 18.03' | INTERNAL/EXTERNAL | NO            |  |  |  |  |
| SMH#37.6          | 319+95.02, 0.00'              | 4.0' DIA. PRECAST | R-I550*       | 690.88'    | (N) 673.82'     | 17.06' | INTERNAL/EXTERNAL | NO            |  |  |  |  |
| SMH#37.7          | 323+95.03, 0.00'              | 4.0' DIA. PRECAST | R-I550*       | 689.10'    | (N) 674.94'     | 14.16" | INTERNAL/EXTERNAL | NO            |  |  |  |  |
| SMH#37.8          | 327+74.44, 10.49' L           | 4.0' DIA. PRECAST | R-1550*       | 687.98'    | (N) 676.01'     | 11.97' | INTERNAL/EXTERNAL | NO            |  |  |  |  |
| SMH#37.9          | 508+05.52, 26.59' R           | 4.0' DIA. PRECAST | R-I550*       | 689.71'    | (NE) 676.91'    | 12.80' | INTERNAL/EXTERNAL | NO            |  |  |  |  |

\* NOTE: CASTING TO BE NEENAH, NON-ROCKING CASTING WITH A SELF SEALING, TYPE "B" LID WITH SEALED PICK HOLES. \*\* NOTE: ALL ADJUSTMENT RINGS TO BE HDPE ADJUSTING RINGS BY LADTECH, INC. OR PRE-APPROVED EQUAL

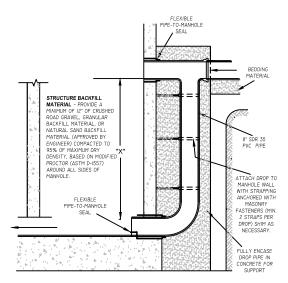
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DROP MANHOLE #37.09 FLOOR DETAIL



DROP MANHOLE #35 FLOOR DETAIL



TYPICAL DROP MANHOLE DETAIL



### MANHOLE FLOOR DETAIL

1. ADJUSTING RINGS - MINIMUM RING HEIGHT= 1"; MAXIMUM RING HEIGHT= 6"; RINGS TO BE HIGH-DENSITY POLYETHYLENE (H.D.P.E.) ADJUSTING RINGS BY LADTECH, INC. OR

- (RLUE, E.) PILOUS TING HINGS BY EACH FEAR.

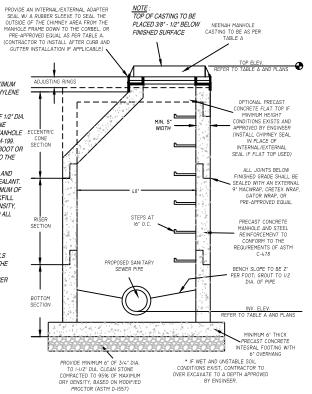
  PRE-APPROVED EQUAL.

  2. MANHOLE STEPS STEPS SHALL BE FABRICATED OF 1/2\* DIA.

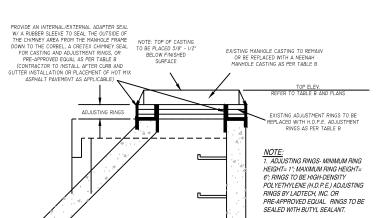
  GRADE 60 STEEL REINFORCEMENT WITH POLYETHYLENE GRALE BY STELL REINFURGEMENT WITH POLT TEITLENE PLASTIC COVERING BY MA. INDUSTRIES, OR ECUAL. MANHOLE ! STEPS SHALL CONFORM TO ASTM C-178 AND AASHTO M-199. 3. PIPE CONNECTIONS. PROVIDE A PRESS-SEAL PSX BOOT OR PRE-APPROVED ECUAL FOR ALL PIPE CONNECTIONS TO THE
- 4. MANHOLE JOINTS JOINTS SHALL BE WATER TIGHT AND SHALL BE MADE USING RUBBER GASKETS OR BUTYL SEALANT.
- SHALL DE MAJE LOING HOBBER GASAETS ON BUTTL SEALANT.

  5. STRUCTURE BACKFILL MATERIAL PROVIDE A MINIMUM OF 12\* OF CRUSHED ROAD GRAVEL OR GRANULAR BACKFILL MATERIAL COMPACTED TO 95% OF MAXIMUM DRY DENSITY, BASED ON MODIFIED PROCTOR (ASTM D-1557) AROUND ALL SIDES OF MANHOLE.

SANITARY SEWER NOTE: THE LOCATION OF EXISTING SANITARY SEWER LATERALS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE LOCATION AND STATUS OF EACH SANITARY SEWER LATERAL ENCOUNTERED. ONLY ACTIVE SANITARY SEWER LATERALS SHALL BE RECONNECTED TO THE SANITARY SEWER MAIN.



### PRECAST CONCRETE MANHOLE DETAIL



MANHOLE CHIMNEY REHABILITATION DETAIL

## MUSCODA BUSINESS PARK EXPANSION EDA AWARD NUMBER: 06-79-06393

PROJECT LOCATION: INDUSTRIAI ER: VILLAGE OF MUSCODA; 206 N. V

DELTA 3 PROFESSIONAL CVIL, MUNICIPAL, & STRUCTURAL ENGINEERING & ARCHTECT GRANT WANTING & LAND DEVELOPMENT & PLANNING & CADD SERVICE 875 SOUTH CHESTNUT STREET PHONE: (608) 348-5355 PLATTENULE, WISCONSIN 53818 898 JACKSON STREET PHONE: (563) 542-9005 DUBUONE, IONN 52001

FOR QUESTIONS
REGARDING THIS PROJECT,
PLEASE CONTACT:

MARK DIGMAN, P.E. DELTA 3 ENGINEERING INC. TELEPHONE: (608) 348-5355

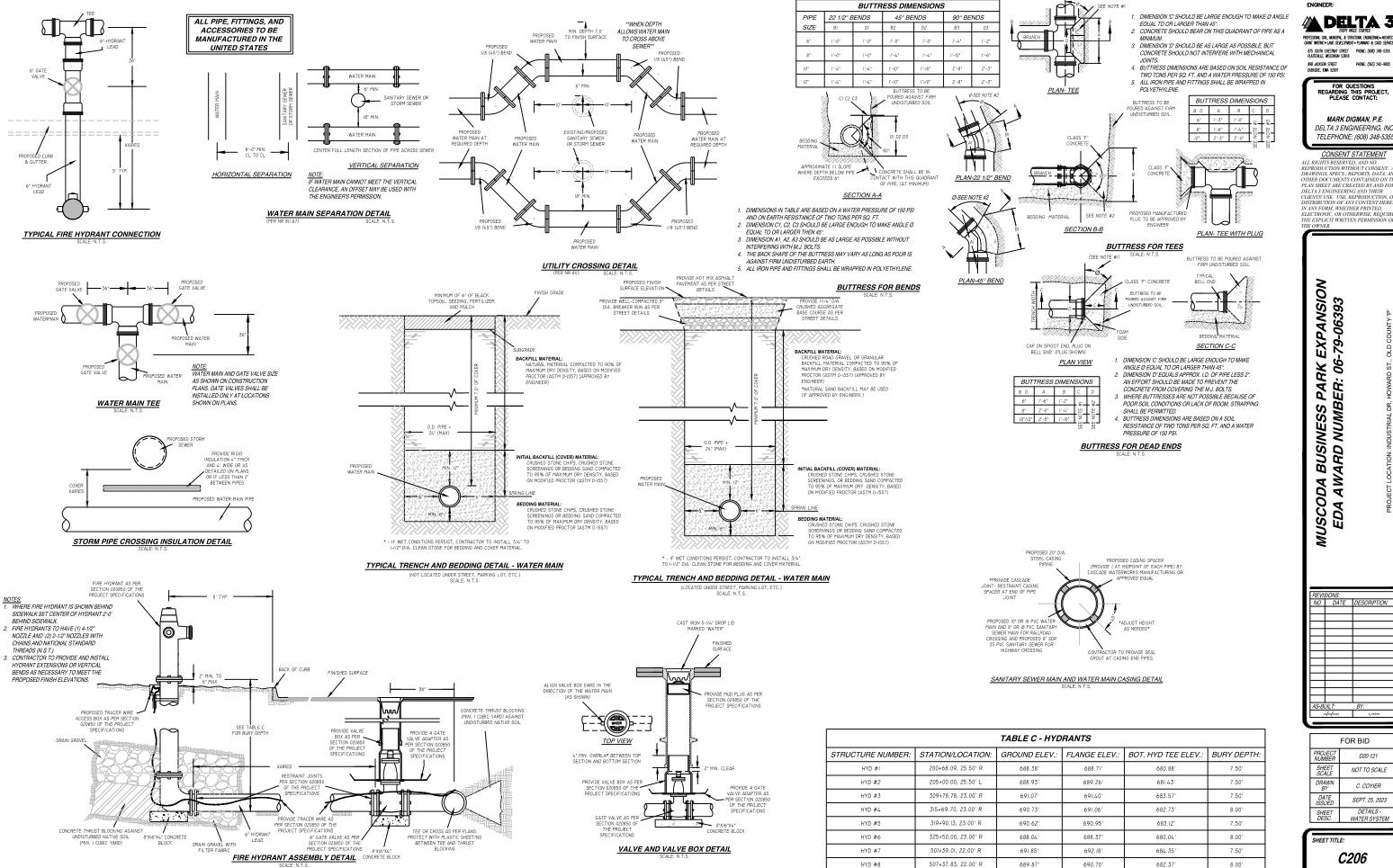
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| FOR BID         |                                    |  |  |  |  |  |  |  |  |
|-----------------|------------------------------------|--|--|--|--|--|--|--|--|
| ROJECT<br>UMBER | D20-121                            |  |  |  |  |  |  |  |  |
| SHEET<br>SCALE  | NOT TO SCALE                       |  |  |  |  |  |  |  |  |
| DRAWN<br>BY     | C.COYIER                           |  |  |  |  |  |  |  |  |
| DATE<br>SSUED   | SEPT. 25, 2023                     |  |  |  |  |  |  |  |  |
| SHEET<br>DESC.  | DETAILS - SANITARY<br>SEWER SYSTEM |  |  |  |  |  |  |  |  |

SHEET TITLE:

C205

SHEET NUMBER # 25 of 41



ENGINEER:

A DELTA 3

875 SOUTH CHESTNUT STREET PHONE: (608) 348-5355 PLATTEVILLE, WISCONSIN 53818 PHONE: (563) 542-9005 898 JACKSON STREET DUBUQUE, KNAA 52001

FOR QUESTIONS REGARDING THIS PROJECT, PLEASE CONTACT:

MARK DIGMAN, P.E. DELTA 3 ENGINEERING INC TELEPHONE: (608) 348-5355

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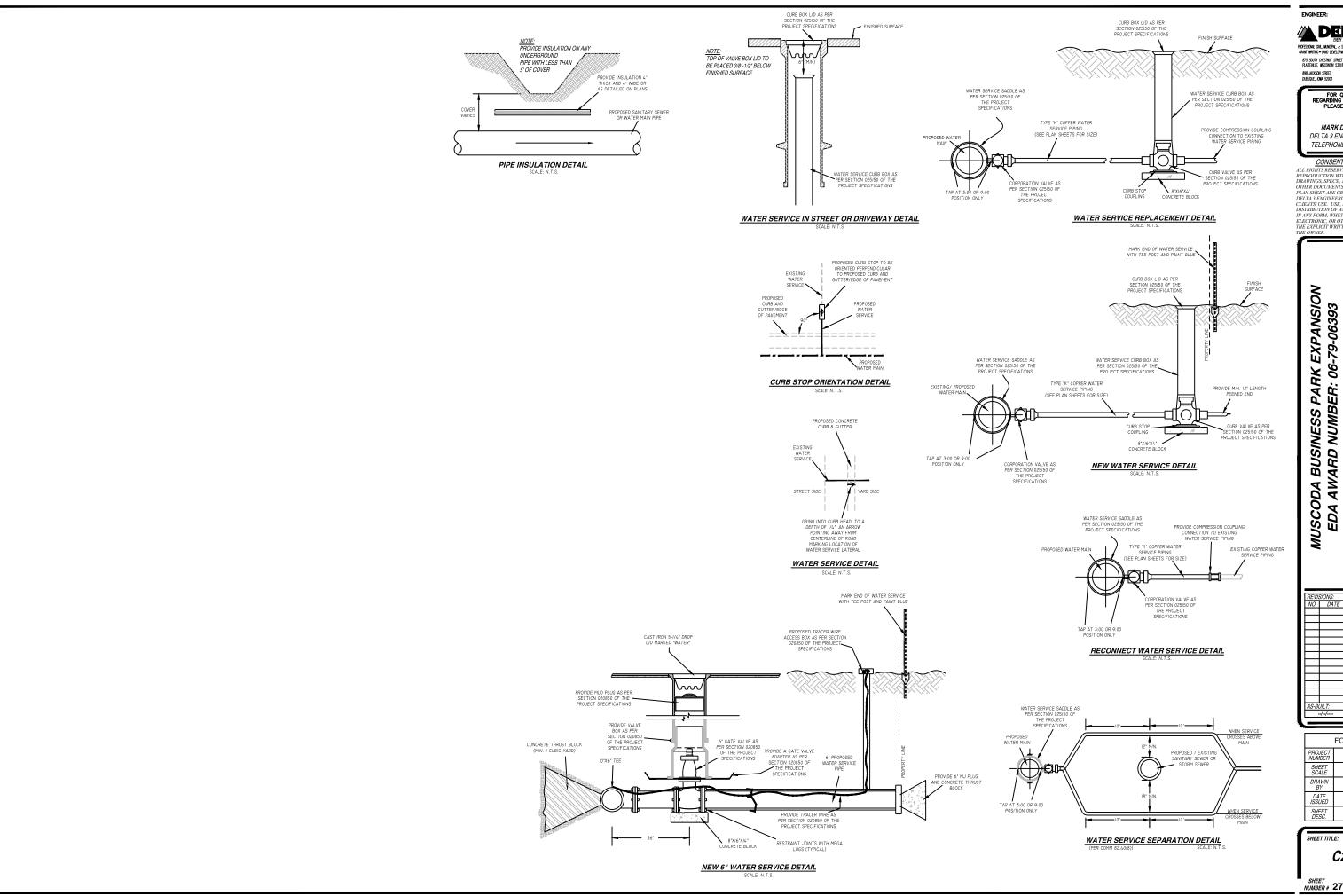
AS-BUILT

PROJECT NUMBER D20-121 SHEET SCALE NOT TO SCALE DRAWN BY C. COYIER DATE ISSUED SEPT. 25, 2023 DETAILS -SHEET DESC. WATER SYSTEM

SHEET TITLE:

C206

NUMBER # 26 of 41



DELTA 3

875 SOUTH CHESTNUT STREET PHONE: (608) 348-5355 PLATTEWILLE, WISCONSIN 53818 898 JACKSON STREET PHONE: (563) 542-9005 DUBUQUE, NAMA 52001

FOR QUESTIONS REGARDING THIS PROJECT, PLEASE CONTACT:

MARK DIGMAN, P.E. DELTA 3 ENGINEERING INC.

TELEPHONE: (608) 348-5355 CONSENT STATEMENT

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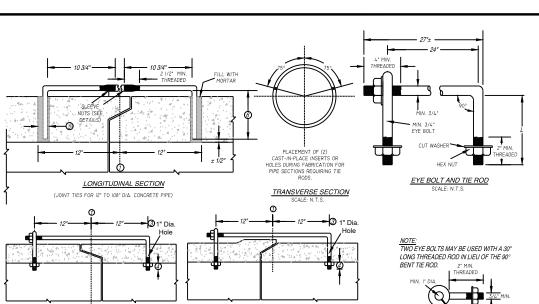
REVISIONS: NO. DATE DESCRIPTION AS-BUILT:

> FOR BID D20-121 NOT TO SCALE C. COYIER SEPT. 25, 2023 DETAILS -WATER SYSTEM

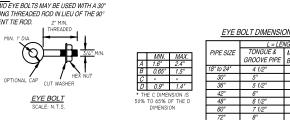
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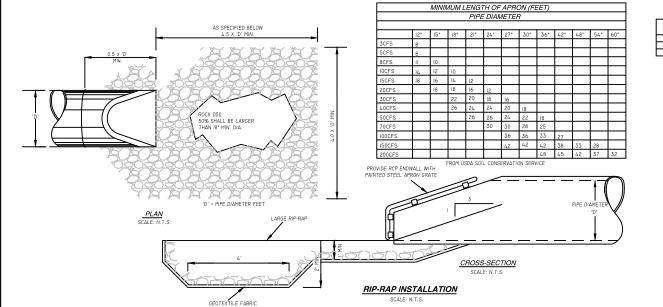
C207

SHEET NUMBER # 27 of 41

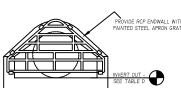


EYE BOLT & TIE ROD ASSEMBLY



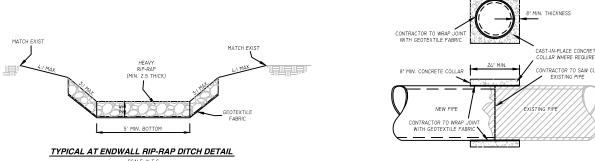


LONGITUDINAL SECTION



END VIEW APRON ENDWALL DETAIL

SCALE: N.T.S.



### TYPICAL CONCRETE COLLAR DETAIL

SCALE: N.T.S.

### CONCRETE BOX CULVERT/REINFORCED CONCRETE PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED BY THE ENGINEER. THE LAST 3 JOINTS OF THE CONCRETE PIPE SHALL BE TIED TOGETHER, IN ADDITION TO THE LAST JOINT WITH THE ENDWALL. THE MATERIALS, FABRICATION, AND WORK THE LOST JOINT WITH THE ENDIFFICE. THE WATERIALS, PROBINGHOW, AND WORD KNECKSARY TO THE BOX CULVERTREINFORCED CONCRETE PIPE AS INDICATED ON THE PLANS AND BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO BOX CULVERT PIPE, REINFORCED CONCRETE STORM SEWER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

- CENTERLINE OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS. THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

STRUC. NUMBER:

CB#32

CB#22

CB#23

CB#20

CB#21

CB#25

CR#2

CB#3

CB#5

CB#6

CB#8

STA./LOCATION:

204+50.00, 19.50' L

204+50.00, 19.50' R

07+00 00 19 50' 1

207+00.00, 19.50' R

302+75 00 17 00' 1

326+50.00. 17.00' L

326+50.00, 17.00' R

326+65 00 17 00' R

327+50.00, 17.00' R

328+50.00, 17.00' L

328+50.00, 17.00' R

SECOND STREET

TYPE/SIZE:

2'X3' PRECAST BO.

2'X3' PRECAST BOX

2'X3' PRECAST BOX

2'X3' PRECAST BO

2'X3' PRECAST BOX

2'X3' PRECAST BOX

4' DIA PRECAST

2'X3' PRECAST BO.

2'X3' PRECAST BOX

2'X3' PRECAST BOX

2'X3' PRECAST BO.

2'X3' PRECAST BOX

- HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12" FROM CENTERLINE OF TONGUE AND GROOVE.

  BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2".

GENERAL NOTES - TIE RODS:

HOLE DIAMETER = ROD DIAMETER + 1 INCH. LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE

|           | <u>EYE E</u> | BOLT DIMENSIO                      | <u>ON TABLE</u> |   |
|-----------|--------------|------------------------------------|-----------------|---|
| <u>x.</u> | PIPE SIZE    | L = LEI<br>TONGUE &<br>GROOVE PIPE | MODIFIED        |   |
| _         | 18° to 24"   | 4 1/2"                             | 6 1/4°          | ı |
| _         | 30°          | 5*                                 | 7"              |   |
| _         | 36"          | 5 1/2"                             | 7"              | I |
| IS        | 42"          | 6"                                 |                 | ı |
| D         | 48"          | 6 1/2"                             |                 |   |
|           | 60°          | 7 1/2"                             |                 | l |
|           |              |                                    |                 |   |

| EYE BOLT DIMENSION TABLE                               | CB#26  | 302+75.00, I7.00' R | 2'X3' PRECAST BOX | R-3092-A | 688.43' | 683.80'     | 4.63' | TYPE "D" OR SEDIMENT LOG |
|--|--------|---------------------|-------------------|----------|---------|-------------|-------|--------------------------|
| L = LENGTH PIPE SIZE TONGUE & MODIFIED                 | CB#27  | 305+75.00, 17.00' L | 2'X3' PRECAST BOX | R-3092-A | 689.61' | (W) 686.48' | 3.13' | TYPE "D" OR SEDIMENT LOG |
| GROOVE PIPE   BELL PIPE   18" to 24"   4 1/2"   6 1/4" | CB#28  | 305+75.00, I7.00' R | 2'X3' PRECAST BOX | R-3067-L | 689.94' | 684.94'     | 5.00' | TYPE "D" OR SEDIMENT LOG |
| 30" 5" 7"<br>36" 51/2" 7"                              | CB#29  | 308+25.00, 17.00' L | 2'X3' PRECAST BOX | R-3067-L | 689.90' | 684.90'     | 5.00' | TYPE "D" OR SEDIMENT LOG |
| 42° 6° 48° 61/2°                                       | CB#30  | 308+25.00, I7.00' R | 2'X3' PRECAST BOX | R-3067-L | 689.74' | 684.74"     | 5.00' | TYPE "D" OR SEDIMENT LOG |
| 70 0 72<br>60° 7 1/2°<br>72° 8°                        | CB#18  | 311+00.00, 17.00' L | 2'X3' PRECAST BOX | R-3067-L | 690.89' | (S) 687.39' | 3.50' | TYPE "D" OR SEDIMENT LOG |
| ADJUSTABLE TIE ROD TABLE                               | CB#19  | 311+00.00, 17.68' R | 2'X3' PRECAST BOX | R-3092-A | 690.82' | (E) 687.42' | 3.39' | TYPE "D" OR SEDIMENT LOG |
| TIE ROD  | CB#16  | 313+25.00, 17.00' L | 2'X3' PRECAST BOX | R-3092-A | 690.42' | (S) 687.16' | 3.26' | TYPE "D" OR SEDIMENT LOG |
| ER DIAMETER D  | CB#17  | 313+25.00, 17.00' R | 2'X3' PRECAST BOX | R-3092-A | 690.42' | (E) 687.19' | 3.22' | TYPE "D" OR SEDIMENT LOG |
| 3/4 3/4 5 1/2<br>1 1 7 1 7/16                          | CB#14  | 317+75.00, 17.00' L | 2'X3' PRECAST BOX | R-3067-L | 690.06' | (S) 686.26' | 3.80' | TYPE "D" OR SEDIMENT LOG |
| DIMENSIONS SHOWN IN INCHES                             | CB #15 | 317+75.00, 17.00' R | 2'X3' PRECAST BOX | R-3067-L | 689.74' | (E) 686.29' | 3.44' | TYPE "D" OR SEDIMENT LOG |
|  | CB#13  | 320+24.82, 86.42' R | 2'X3' PRECAST BOX | R-3067-L | 689.30' | (S) 685.80' | 3.50' | TYPE "D" OR SEDIMENT LOG |
|  | CB#12  | 321+63.38, 82.83' R | 2'X3' PRECAST BOX | R-3067-L | 689.29' | (E) 685.66' | 3.63' | TYPE "D" OR SEDIMENT LOG |
|  | CB#II  | 321+64.30, 17.00' L | 2'X3' PRECAST BOX | R-3067-L | 690.88' | (S) 684.71' | 6.17' | TYPE "B" OR SEDIMENT LOG |
|  | CB#9   | 323+75.00, 17.00' L | 4' DIA. PRECAST   | R-3067-L | 689.31' | (S) 683.34' | 5.97' | TYPE "B" OR SEDIMENT LOG |
|  | CB#10  | 323+75.00, I7.00' R | 2'X3' PRECAST BOX | R-3067-L | 689.31' | (E) 685.31' | 4.00' | TYPE "B" OR SEDIMENT LOG |
|  | CB#4   | 326+35.03, 17.00' R | 2'X3' PRECAST BOX | R-3067-L | 687.37' | (S) 683.37' | 4.00' | TYPE "D" OR SEDIMENT LOG |

TABLE D - STORM STRUCTURES

TOP ELEV.:

690.00

688.61

688.24

688.94

688.94

688 43'

687 26'

687.26

687.381

688.05

688.85

688.85

INV. OUT ELEV.:

(E) 685.071

(N) 685.II'

(E) 684.821

(N) 685.81'

683.801

(F) 682 651

(E) 683.131

(N) 683 381

(N) 684.05

(NW) 685.351

(N) 685.10'

3.50

685.00"

DEPTH: INLET PROTECTION:

3.13'

3.13'

4.63'

TYPE "D" OR SEDIMENT LO

TYPE "D" OR SEDIMENT LOC

TYPE "D" OR SEDIMENT LO

TYPE "D" OR SEDIMENT LOC

TYPE "B" OR SEDIMENT LO

TYPE "B" OR SEDIMENT LO

TYPE "B" OR SEDIMENT LO

TYPE "D" OR SEDIMENT LO

CASTING TYPE:

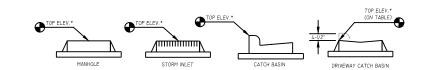
R-3067-L

R-3067-L

R-3092-A

R-3092-A

R-3092-A



R-3067-L

R-3067-L

R-3067-L

R-3067-

| TABLE D - STORM STRUCTURES (ENDWALLS) |                     |                      |               |                    |         |
|---------------------------------------|---------------------|----------------------|---------------|--------------------|---------|
| STRUC. NUMBER:                        | STA./LOCATION:      | TYPE/SIZE:           | CASTING TYPE: | INV. IN/OUT ELEV.: | REMARKS |
| EW#I                                  | 326+50.03, 46.78' L | 24" CONCRETE ENDWALL | ==            | (W) 682.27'        | **      |

| TABLE B - REHBILITATED /ADJUSTED STRUCTURES |  |
|---|--|
|---|--|

|                   |                     |                          |                |                  |         |  | .a S⊦ |
|-------------------|---------------------|--------------------------|----------------|------------------|---------|--|-------|
| STRUCTURE NUMBER: | STA./LOCATION:      | TYPE/SIZE:               | EX. TOP ELEV.: | PROP. TOP ELEV.: | CHANGE: | COMMENTS:  |       |
| CB#31             | 209+II.94, I9.84' L | PRECAST CONCRETE         | 689.50'        | 689.30'          | -0.20'  | REMOVE EXISTING CASTING AND ADJUSTMENT RINGS; PROVIDE AND INSTALL R-3092-A CASTING AND ADJUSTMENT RINGS. |       |
| INL#24            | 301+32.80, 18.42' R | PRECAST CONCRETE 4' DIA. | 689.28'        | 688.85'          | -0.43'  | REMOVE EX. CASTING AND ADJUSTMENT RINGS; PROVIDE AND INSTALL ADJUSTMENT RINGS AND REINSTALL EX. CASTING. | 5     |

ENGINEER:

A DELTA 3

875 SOUTH CHESTNUT STREET PHONE: (608) 348-5355 PLATTEVILLE, WISCONSIN 53818 PHONE: (563) 542-9005 898 JACKSON STREET DUBUQUE, KNAA 52001

FOR QUESTIONS REGARDING THIS PROJECT, PLEASE CONTACT:

MARK DIGMAN, P.E. DELTA 3 ENGINEERING INC. TELEPHONE: (608) 348-5355

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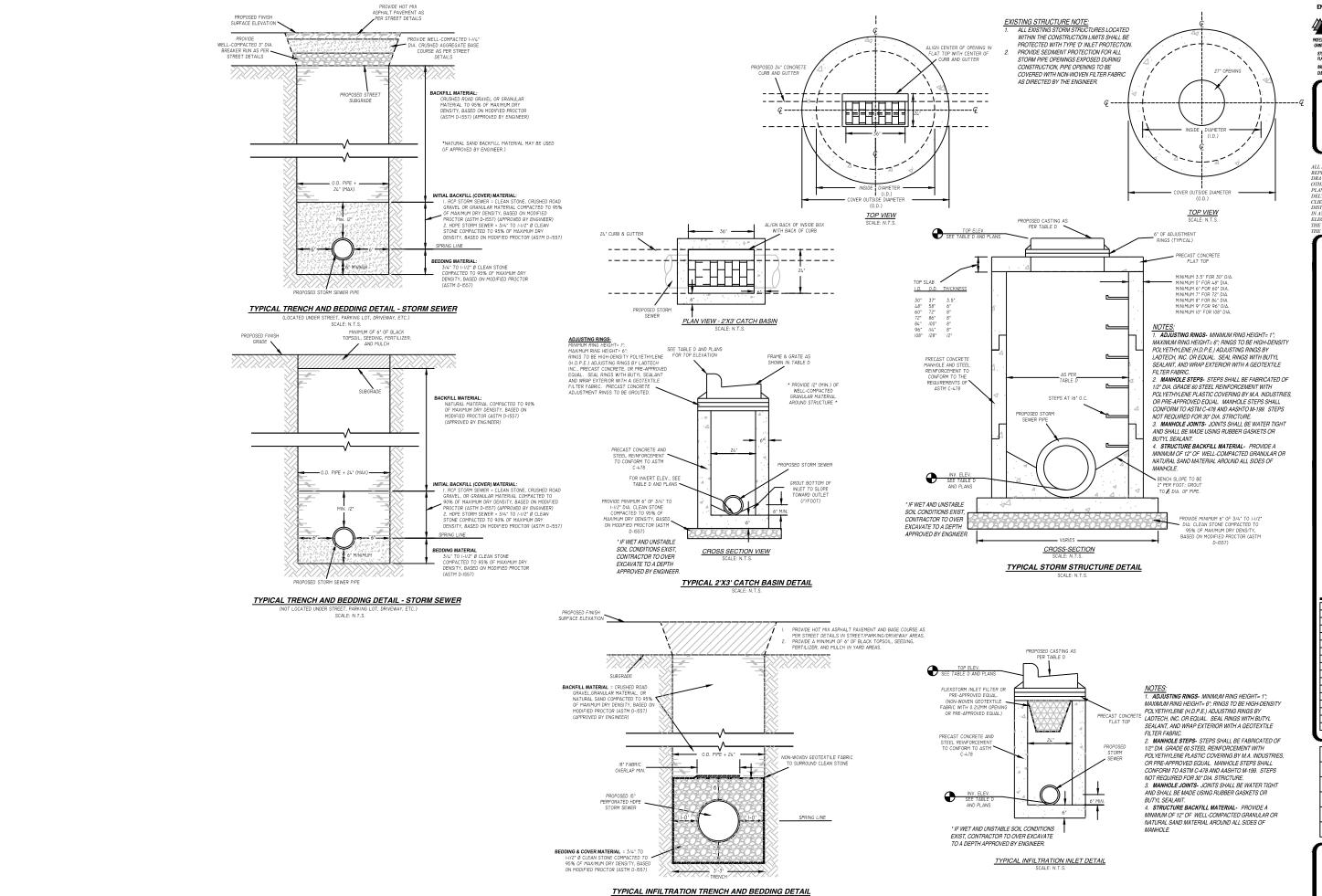
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| PROJECT<br>NUMBER | D20-121                   |
| SHEET<br>SCALE    | NOT TO SCALE              |
| DRAWN<br>BY       | C. COYIER                 |
| DATE<br>ISSUED    | SEPT. 25, 2023            |
| SHEET<br>DESC.    | DETAILS -<br>STORM SYSTEM |

C208

SHEET NUMBER # 28 of 41



**DELTA 3** 

PROFESSIONAL CIVIL, MUNICIPAL, & STRUCTURAL ENGNEERING \* ARCHITECT GRANT WRITING \* LAND DEVELOPMENT \* PLANNING & CADD SERVICE 875 SOUTH CHESTNUT STREET PHONE: (608) 348-5355 PLATTEVILLE, WISCONSIN 53818 898 JACKSON STREET PHONE: (563) 542-9005 DUBUQUE, IOWA 52001

FOR QUESTIONS
REGARDING THIS PROJECT,
PLEASE CONTACT:

MARK DIGMAN, P.E. DELTA 3 ENGINEERING INC. TELEPHONE: (608) 348-5355

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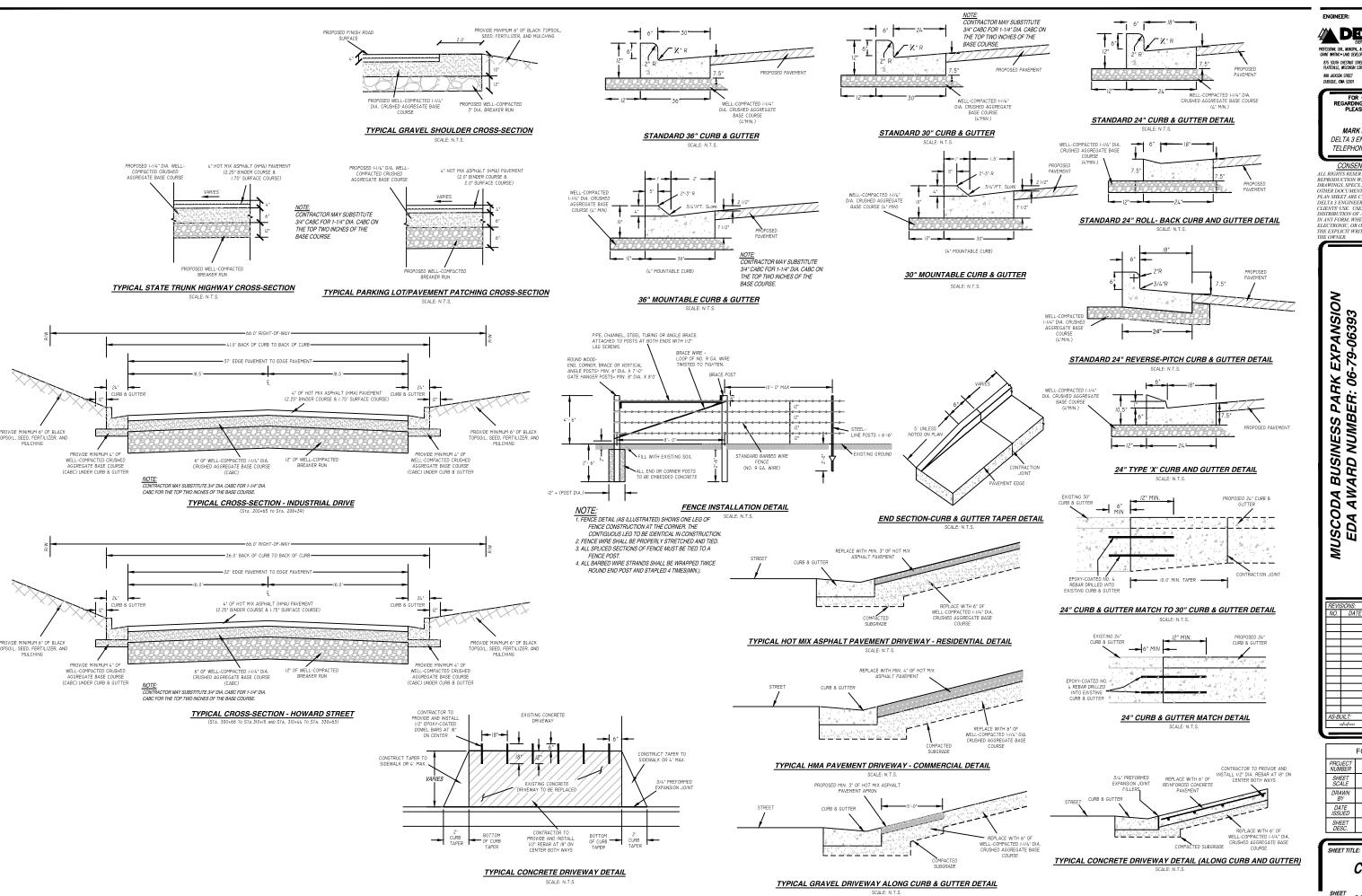
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FOR BID PROJECT NUMBER D20-121 SHEET SCALE NOT TO SCALE DRAWN BY C. COYIER DATE ISSUED SEPT. 25, 2023 DETAILS -SHEET DESC. STORM SYSTEM

SHEET TITLE:

C209

SHEET NUMBER # 29 of 41



A DELTA 3

875 SOUTH CHESTNUT STREET PHONE: (608) 348-5355 PLATTEVILLE, WISCONSIN 53818

FOR QUESTIONS REGARDING THIS PROJECT, PLEASE CONTACT:

PHONE: (563) 542-9005

MARK DIGMAN, P.E. DELTA 3 ENGINEERING INC. TELEPHONE: (608) 348-5355

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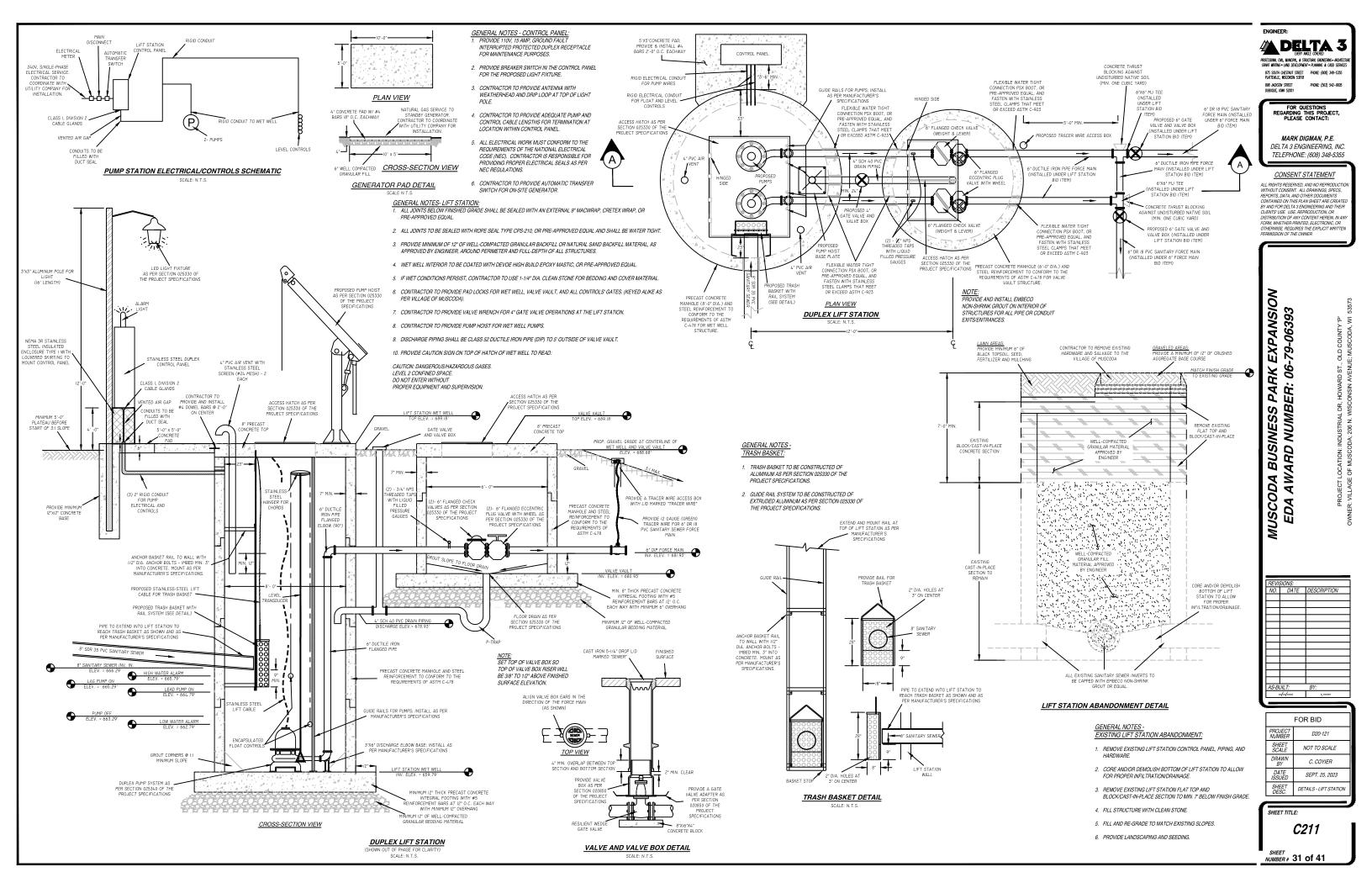


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| PROJECT<br>NUMBER | D20-121             |  |
| SHEET<br>SCALE    | NOT TO SCALE        |  |
| DRAWN<br>BY       | C. COYIER           |  |
| DATE<br>ISSUED    | SEPT. 25, 2023      |  |
| SHEET<br>DESC.    | DETAILS -<br>STREET |  |
|                   |                     |  |

SHEET TITLE:

C210

SHEET NUMBER # 30 of 41



## A DELTA 3

875 SOUTH CHESTINUT STREET PHONE: (608) 348-5355 PLATTEVILLE, WISCONSIN 53818 898 JACKSON STREET PHONE: (563) 542-9005 DUBUQUE, IOMA 52001

FOR QUESTIONS REGARDING THIS PROJECT, PLEASE CONTACT:

MARK DIGMAN, P.E. DELTA 3 ENGINEERING INC. TELEPHONE: (608) 348-5355

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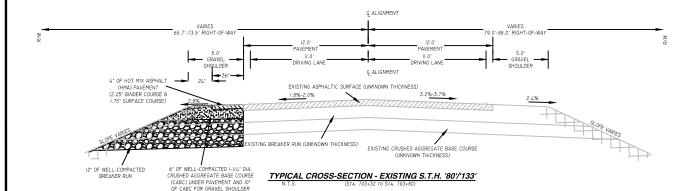
BASE COURSE (CABC)

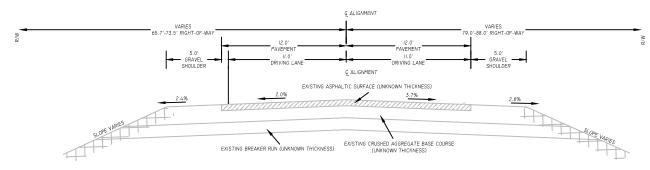
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| PROJECT<br>NUMBER | D20-121   |
| SHEET<br>SCALE    | NOT TO SCALE                                      |
| DRAWN<br>BY       | C. COYIER   |
| DATE<br>ISSUED    | SEPT. 25, 2023                                    |
| SHEET<br>DESC.    | DETAILS - S.T.H. '80'/133'<br>TYP. CROSS-SECTIONS |
|                   |   |

SHEET TITLE:

C212

NUMBER # 32 of 41





TYPICAL CROSS-SECTION - EXISTING S.T.H. '80'/'133'

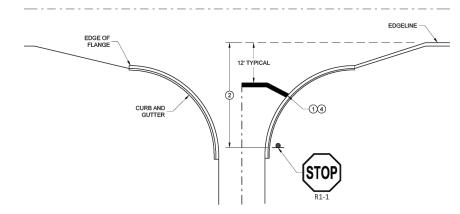
PROFILE VIEW

CONSTRUCT RELIEF TRENCH AT

SAG POINTS OR EVERY 250' ALONG

ROAD WAY PLAN VIEW

TYPICAL RELIEF TRENCH DETAIL



## **TYPICAL STOP LINE PAVEMENT MARKING** WITH CURB AND GUTTER

## **GENERAL NOTES**

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

- 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
- (2) NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
- (3) NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGE LINE EXTENSION.

ENGINEER:

**DELTA 3** 

875 SOUTH CHESTINUT STREET
PLATEFALE, WISCORON 32818
888 UKISON STREET
DUBUGUE, JOHN 52001
PHONE: (563) 542-9005

FOR QUESTIONS REGARDING THIS PROJECT, PLEASE CONTACT:

MARK DIGMAN, P.E. DELTA 3 ENGINEERING, INC.

TELEPHONE: (608) 348-5355

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D20-121 SHEET SCALE NOT TO SCALE DRAWN BY C. COYIER DATE ISSUED SEPT. 25, 2023 DETAILS - PAVEMEN SHEET DESC. MARKINGS

SHEET TITLE:

C213

SHEET NUMBER # 33 of 41

## PAVEMENT MARKING

## **LEGEND**

SIGN ON PERMANENT SUPPORT

## **GENERAL NOTES**

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

ON MULTI-LANE ROADS THE TRANSVERSE BANDS SHOULD EXTEND ACROSS ALL APPROACH LANES, AND INDIVIDUAL R X R SYMBOLS SHOULD BE USED IN EACH APPROACH LANE.

CENTER OR LANE LINES AND NO-PASSING ZONE MARKINGS SHOWN ON THIS DRAWING ARE REQUIRED AND PAID FOR UNDER OTHER ITEMS IN THE CONTRACT.

TRACE EXISTING SYMBOL WHERE EXISTING SYMBOLS ARE PLACED.

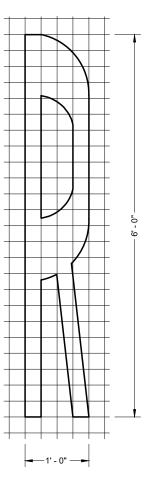
- 1 PLACE STOP BAR APPROXIMATELY 8 FEET IN ADVANCE OF THE GATE (IF PRESENT), BUT NO CLOSER THAN 15 FEET IN ADVANCE OF THE NEAREST RAIL. FIELD-FIT STOP BAR TO MAXIMIZE VIEW OF APPROACHING TRAIN.
- ② 500' MINIMUM. MARKING LIMITS MAY BE EXTENDED AS DIRECTED BY THE ENGINEER TO MEET ADJACENT NO-PASSING ZONE
- ③ FOR MULTIPLE TRACK CROSSINGS, THE BARRIER LINE SHALL EXTEND TO THE NEAR RAIL OF THE FURTHEST TRACK IN THE DIRECTION OF HIGHWAY TRAVEL.

## DISTANCE TABLE

TABLE BASED UPON 2C-4 WISCONSIN SUPPLEMENT OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

| POSTED SPEED<br>(M.P.H.) | DIMENSION RANGE<br>(FEET) |
|--------------------------|---------------------------|
| 25                       | 150 <del>*</del> - 250'   |
| 30                       | 200 <b>*</b> - 300'       |
| 35                       | 250 <b>*</b> - 450'       |
| 40                       | 300 <b>*</b> - 500'       |
| 45                       | 400 <b>*</b> - 650'       |
| 50                       | 550 <b>*</b> - 800'       |
| 55                       | 750 <b>*</b> - 1000'      |
| 60                       | 1000 <del>*</del> - 1250' |
| 65                       | 1000 <del>*</del> - 1250' |

\* THE MINIMUM DISTANCES IN THE TABLE ARE DESIRABLE AND SHOULD BE USED. THE DISTANCES MAY BE INCREASED UP TO THE MAXIMUM TO ALLOW FOR FIELD CONDITIONS SUCH AS THE CLOSED PROXIMITY OF DRIVEWAYS, BRIDGES, SIDE ROADS OR OTHER FEATURES THAT WOULD PROHIBIT THE MINIMUM DISTANCES FROM BEING USED.



875 SOUTH CHESTNUT STREET PHONE: (608) 348-5355 PLATTEVILLE, WISCONSIN 53818 PHONE: (563) 542-9005 898 JACKSON STREET DUBUQUE, KNAA 52001

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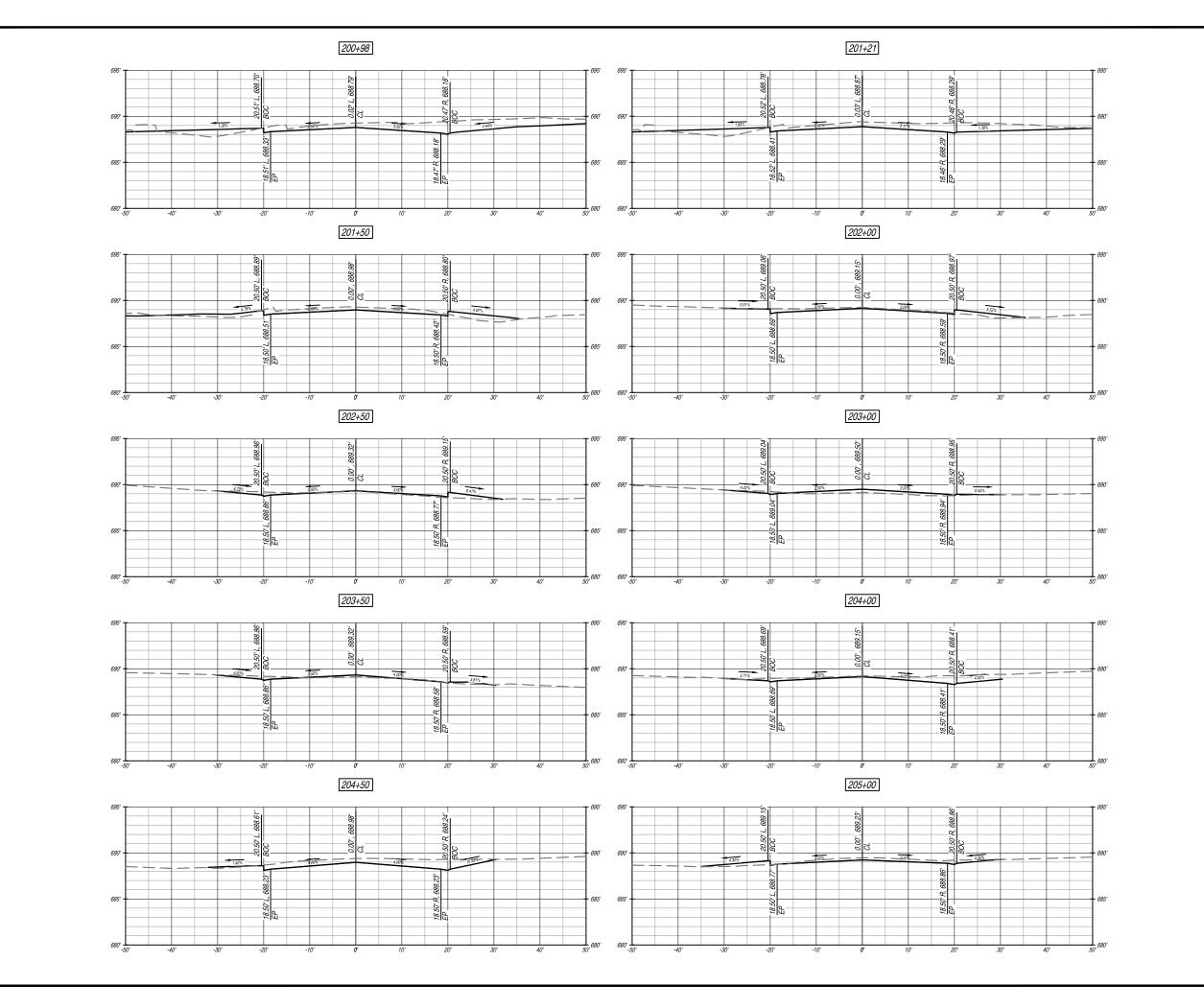
MUSCODA BUSINESS PARK EXPANSION EDA AWARD NUMBER: 06-79-06393

|                   | FOR BID                       |
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| PROJECT<br>NUMBER | D20-121                       |
| SHEET<br>SCALE    | NOT TO SCALE                  |
| DRAWN<br>BY       | C. COYIER                     |
| DATE<br>ISSUED    | SEPT. 25, 2023                |
| SHEET<br>DESC.    | DETAILS - PAVEMEN<br>MARKINGS |

SHEET TITLE:

C214

SHEET NUMBER # 34 of 41



## DELTA 3 PRESSON ON, MADRIL & SRUTIER BONESING GRAIT WRITING - LAND DEPLOYMENT - PLANNING & CADD SERVICES

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FLATENLE, MISCONSIN 53818

888 JACKSON STREET PHONE: (563) 542-9005
DUBBUOLE, KIMA 52001

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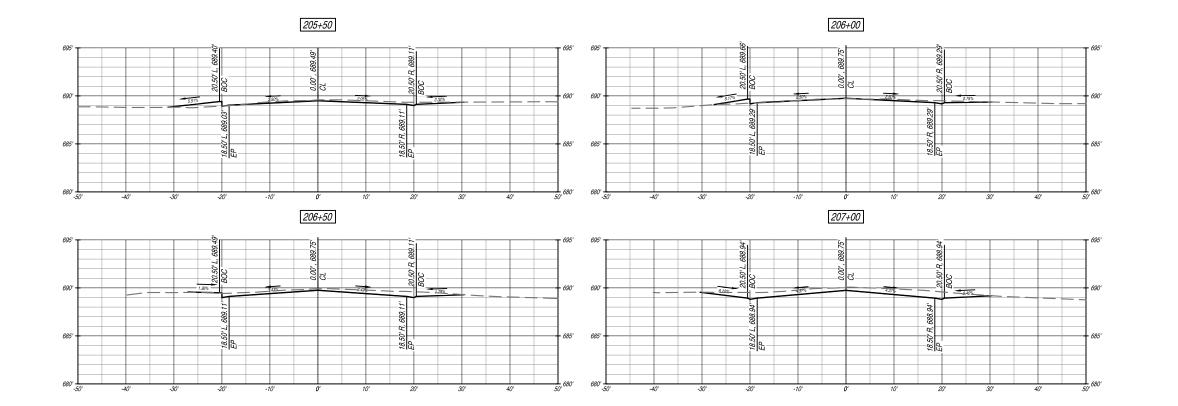
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| PROJECT<br>NUMBER | D20-121                                 |
| SHEET<br>SCALE    | HORZ1*=10'<br>VERT1*=5'                 |
| DRAWN<br>BY       | C.COYIER                                |
| DATE<br>ISSUED    | SEPT. 25, 2023                          |
| SHEET<br>DESC.    | CROSS-SECTIONS -<br>INDUSTRIAL PARK DR. |

SHEET TITLE:

C301

SHEET NUMBER# 35 of 41





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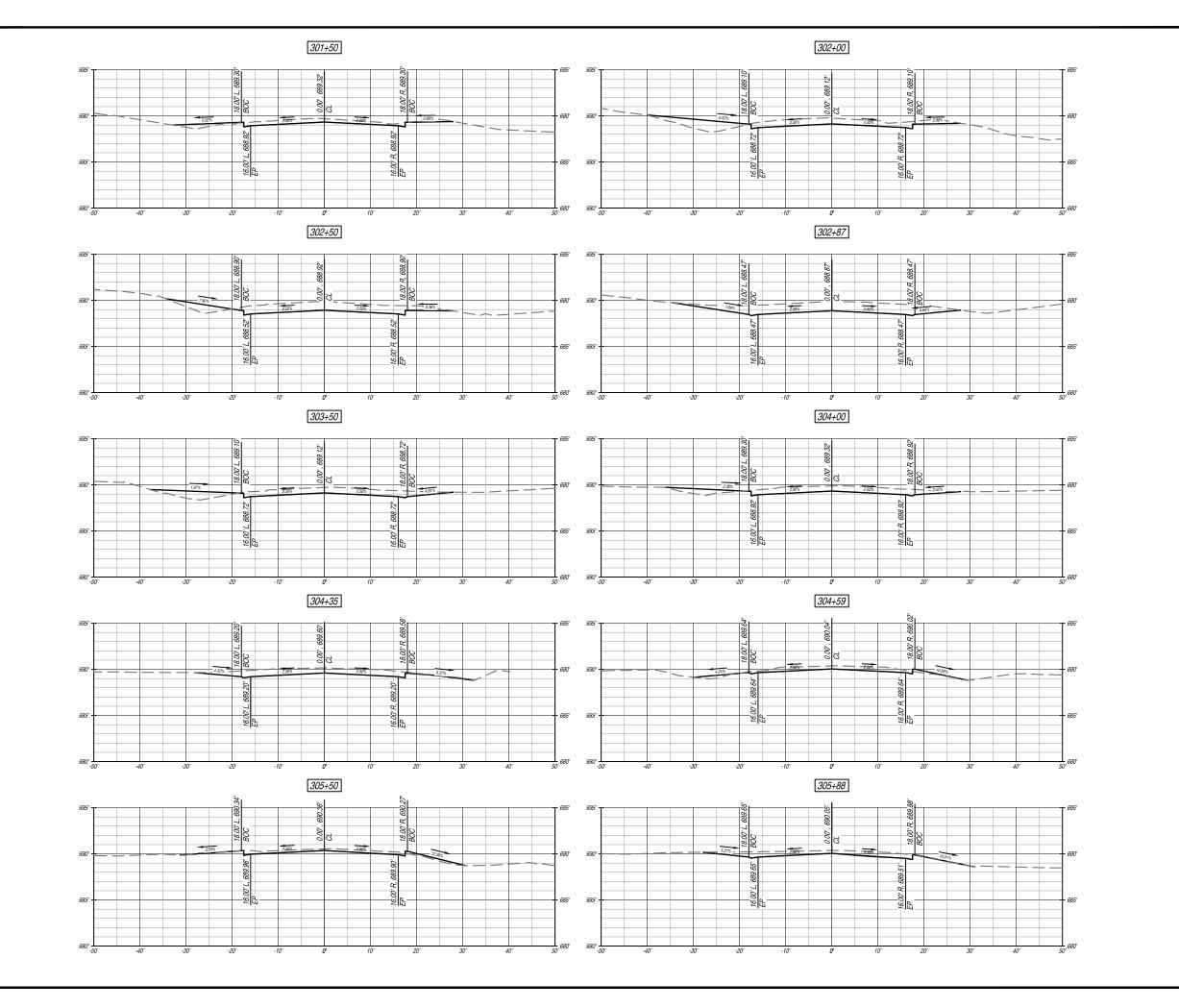
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| PROJECT<br>NUMBER | D20-121                   |
| SHEET<br>SCALE    | HORZ1" =10'<br>VERT1" =5' |
| DRAWN<br>BY       | C.COYIER                  |
| DATE<br>ISSUED    | SEPT. 25, 2023            |
| SHEET<br>DESC     | CROSS-SECTIONS -          |

SHEET TITLE:

C302

SHEET NUMBER# 36 of 41



DELTA 3

PRESSON ON, MADRIL & SRUTIER BONESING
GRAIT WRITING - LAND DEPLOYMENT - PLANNING & CADD SERVICES

875 SOUTH CHESTINUT STREET PHONE: (608) 348-3355 
PLATEVILLE, MISCONOSIN 53518 
888 JACKSON STREET PHONE: (563) 542-9005 
DUBUOUE, KOWA 52001

FOR QUESTIONS REGARDING THIS PROJECT, PLEASE CONTACT:

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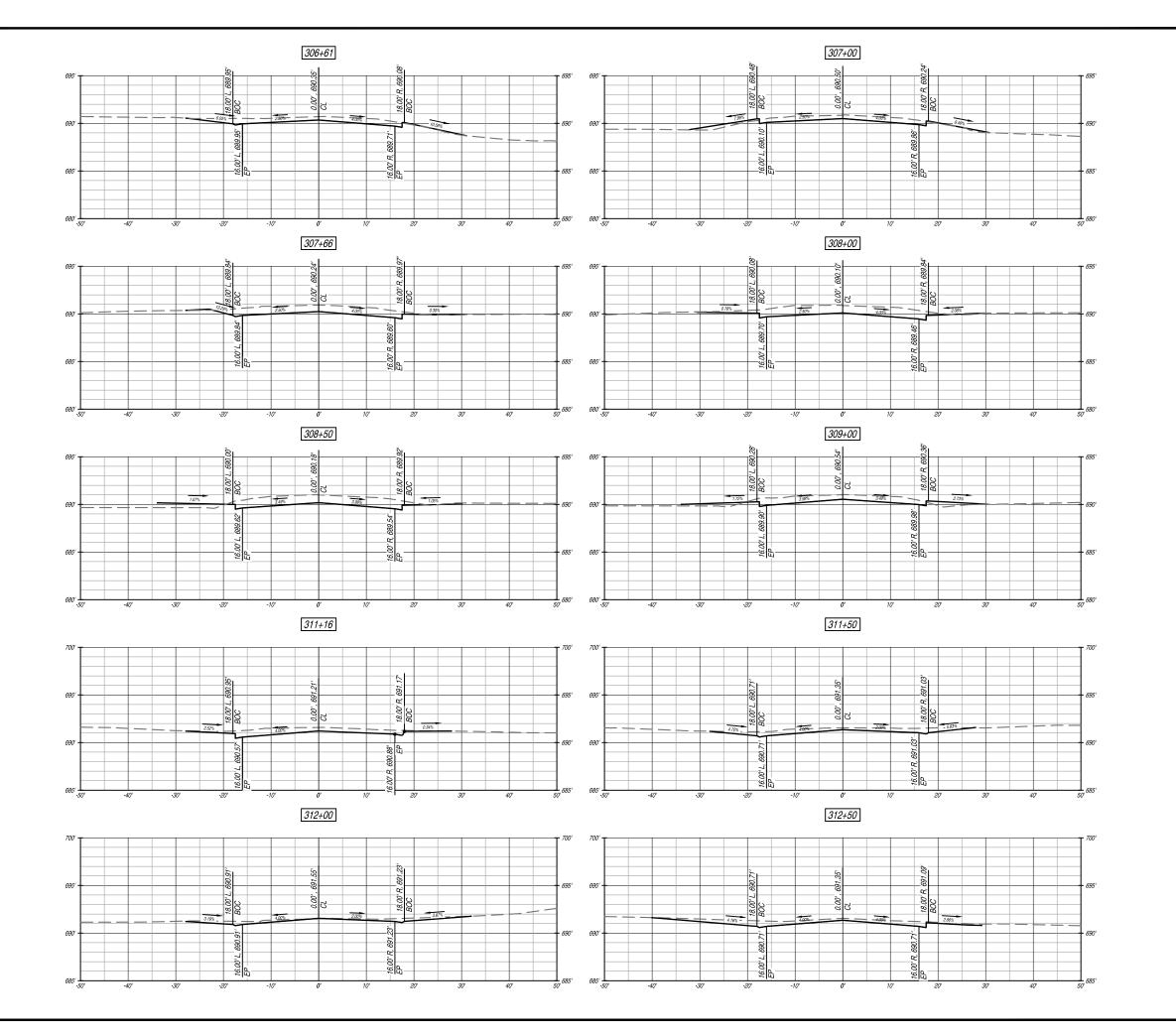
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| PROJECT<br>NUMBER | D20-121                           |  |
| SHEET<br>SCALE    | HORZ1" =10'<br>VERT1" =5'         |  |
| DRAWN<br>BY       | C.COYIER                          |  |
| DATE<br>ISSUED    | SEPT. 25, 2023                    |  |
| SHEET<br>DESC.    | CROSS-SECTIONS -<br>HOWARD STREET |  |

SHEET TITLE:

C303

SHEET NUMBER# 37 of 41



DELTA 3

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GRAIT WRITING - LAND DEPLOYMENT - PLANNING & CADD SERVICES

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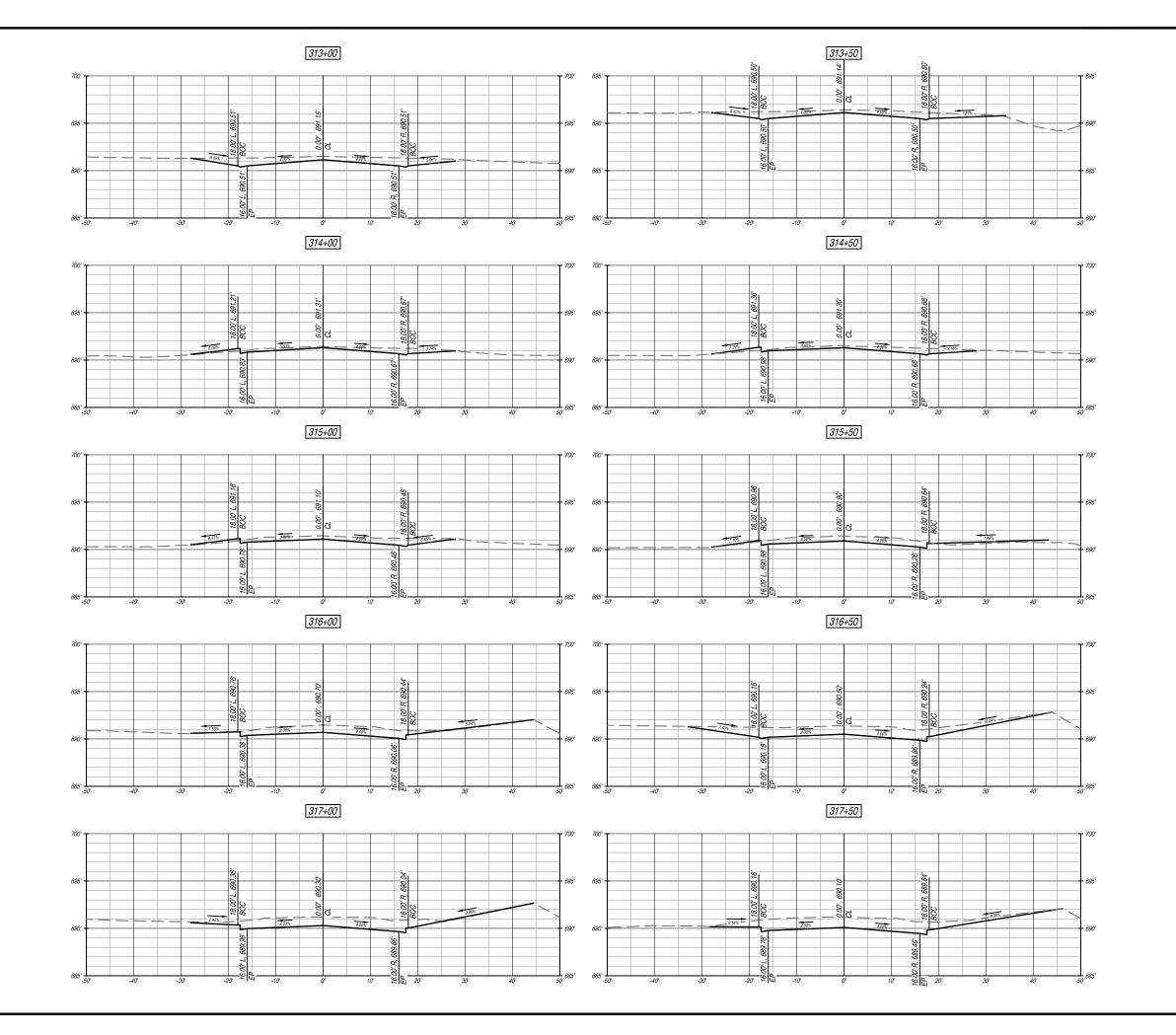
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| PROJECT<br>NUMBER | D20-121                           |
| SHEET<br>SCALE    | HORZ1" =10'<br>VERT1" =5'         |
| DRAWN<br>BY       | C.COYIER                          |
| DATE<br>ISSUED    | SEPT. 25, 2023                    |
| SHEET<br>DESC.    | CROSS-SECTIONS -<br>HOWARD STREET |
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SHEET TITLE:

C304

SHEET NUMBER# 38 of 41



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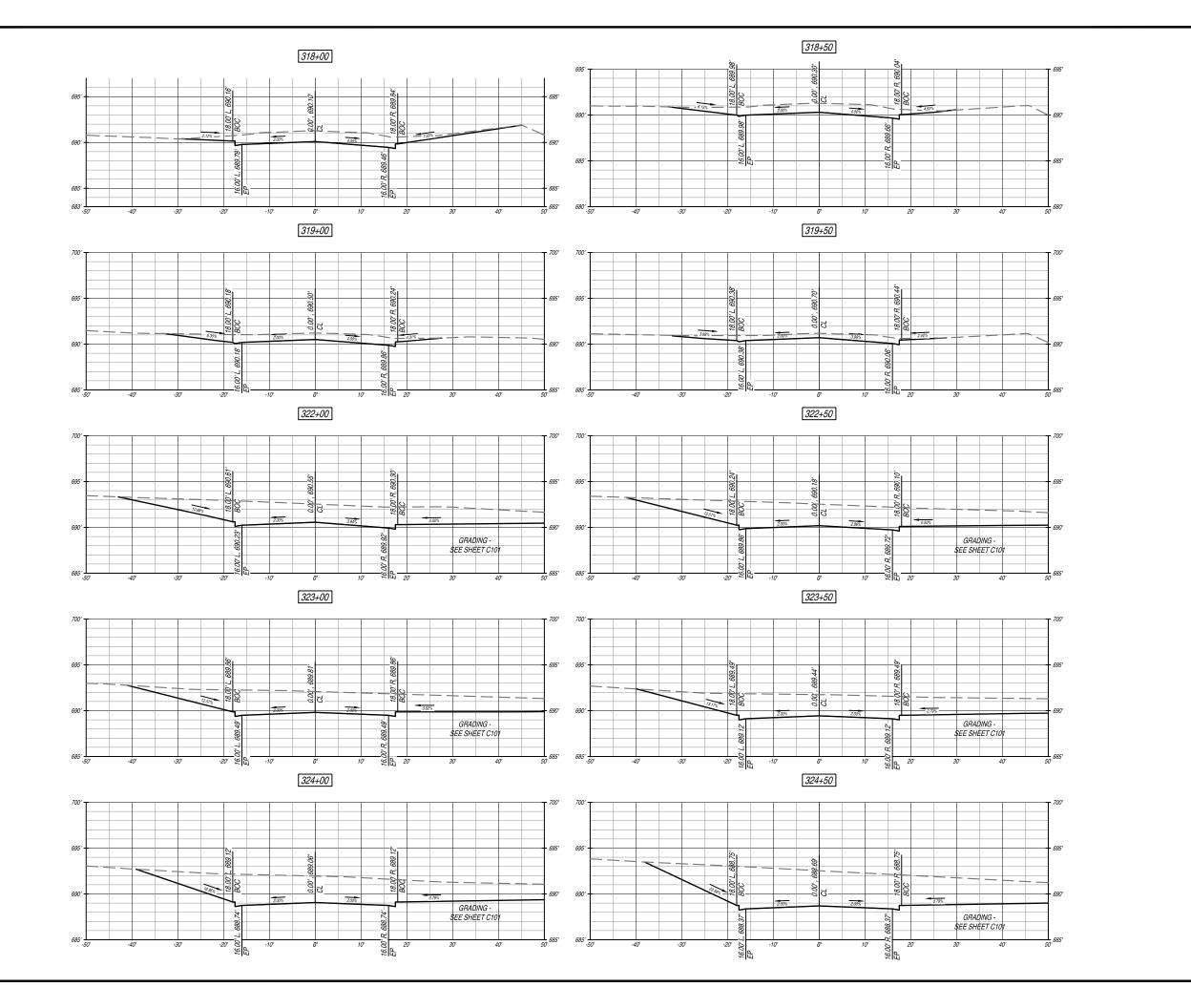
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| PROJECT<br>NUMBER | D20-121                                       |
| SHEET<br>SCALE    | HORZ1*=10'<br>VERT1*=5'                       |
| DRAWN<br>BY       | C.COYIER                                      |
| DATE<br>ISSUED    | SEPT. 25, 2023                                |
| SHEET<br>DESC.    | CROSS-SECTIONS -<br>HOWARD STREET             |
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SHEET TITLE:

C305

SHEET NUMBER# 39 of 41



DELTA 3

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| PROJECT<br>NUMBER | D20-121                           |
| SHEET<br>SCALE    | HORZ1"=10'<br>VERT1"=5'           |
| DRAWN<br>BY       | C.COYIER                          |
| DATE<br>ISSUED    | SEPT. 25, 2023                    |
| SHEET<br>DESC.    | CROSS-SECTIONS -<br>HOWARD STREET |

SHEET TITLE:

C306

SHEET NUMBER # 40 of 41

DELTA 3

875 SOUTH CHESTINUT STREET PHONE: (608) 348-5355
PLATTENLLE, WISCONSIN 53818

888 JACKSON STREET PHONE: (563) 542-9005
DUBUUUE, KOWA 52001

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| PROJECT<br>NUMBER | D20-121                           |
| SHEET<br>SCALE    | HORZ1" =10'<br>VERT1" =5'         |
| DRAWN<br>BY       | C.COYIER                          |
| DATE<br>ISSUED    | SEPT. 25, 2023                    |
| SHEET<br>DESC.    | CROSS-SECTIONS -<br>HOWARD STREET |

SHEET TITLE:

C307

SHEET NUMBER # 41 of 41