



**Finance Committee
Meeting Agenda
February 13, 2024
5:00 PM
City Council Chambers**

City Council Members:

Gayatri Agnew	Ward 1, Position 2
Cindy Acree	Ward 2, Position 1
Bill Burckart	Ward 3, Position 2

*If the public would like to attend virtually, please log on at the following link:

<https://us02web.zoom.us/j/89139307844?pwd=ZWMyNVhRby9RVElhd1pyZzluVmdHZz09>

Call to Order/Roll Call

Items For Discussion

- | | |
|----------------------|----------------------|
| 1. CIP Update | Informational |
|----------------------|----------------------|

City Council Items To Be Considered

- | | |
|--|-------------------|
| 1. Section II Item 1 on City Council
Agenda: Resolution entering into an
agreement with Central Square
Technologies for Cloud Migration
Services | Resolution |
| Resolution authorizing the Mayor and City Clerk to enter into a professional services agreement with Central Square Technologies for the Migration of Community Development (TraKIT) and Utility Billing (Naviline) Applications from on premises to the cloud hosted solution by the Software Manufacturer. No additional funds are requested. A budget adjustment is needed to appropriate already budgeted funds into correct accounts. | |
| 2. Section II Item 2 on City Council
Agenda: Resolution entering into an
Agreement for Battery & Battery Backup
Replacement | Resolution |
| Authorizing an agreement with Heartland Business Systems for battery and battery backup replacement through participation in TIPS Contract #220105. No budget adjustment is needed. | |
| 3. Section II Item 3 on City Council
Agenda: Resolution entering into an | Resolution |

**Agreement for Firefighter Leadership
Training Program**

Fire Dept. staff requests approval of an agreement with 1Smartlife LLC. to provide the Bentonville Fire Department with leadership training. No budget adjustment is needed.

4. **Section II Item 4 on City Council** **Resolution**
**Agenda: Resolution Approving the
Purchase of a Budgeted Replacement of
Smith Detection GC/MS**
Approve resolution authorizing the purchase the Griffin G510 GC/MS under the HGAC Cooperative Contract # EP11-20. No budget adjustment is needed.
5. **Section II Item 6 on City Council** **Resolution**
**Agenda: Resolution Recognizing
Receipt of Grant Funds for Bentonville
District Court Mediation Program**
Budget adjustment recognizing receipt of a grant from the Arkansas Alternative Dispute Resolution Committee and allocating funds for expenses related to the Bentonville District Court Mediation program. A budget adjustment is needed to recognize and utilize funds.
6. **Section II Item 7 on City Council** **Ordinance***
**Agenda: Ordinance amending the City
Pay Plan to Reclassify a Position for the
Parks & Recreation Department**
To replace the Community Events Manager, grade 34 with a Parks and Recreation Deputy Director, grade 36. No budget adjustment is needed.
7. **Section II Item 10 on City Council** **Resolution**
**Agenda: Resolution approving Change
Order #3 for PIIP22-0017 SW 10th and F
Drainage**
Resolution to approve Change Order #3 to add the SW 10th and F drainage project scope to the 8th Street project. No budget adjustment is needed.
8. **Section III Item 1 on City Council** **Resolution**
**Agenda: Resolution to Purchase a
Grapple Truck through Sourcewell
Cooperative (Co-Op)**
Authorization to purchase a grapple truck from River City Hydraulics, Inc., through participation in the Sourcewell Cooperative (Co-Op) contract 040621-P11, in the amount of \$258,136.25. Approved by Utility Board 5-0. No budget adjustment is needed.
9. **Section III Item 2 on City Council** **Ordinance***
**Agenda: Ordinance to Waive
Competitive Bidding to Order 750 UG
Wire**
Approval of an Ordinance to waive competitive bidding to purchase 750 UG Wire from AECL, Unit Prices and estimated quantities attached, plus applicable taxes. Approved by Utility Board 5-0. No budget adjustment is needed.

10. **Section III Item 3 on City Council** **Resolution**
Agenda: Resolution to enter into an Agreement with Allgeier, Martin, and Associates
BEUD proposes to use Allgeier, Martin, and Assoc. to prepare bid documents, assist in procurement, construction monitoring, and possible factory oversight for a cost not to exceed \$52,500.00. Approved by Utility Board 4-0. No budget adjustment is needed.
11. **Section III Item 4 on City Council** **Resolution**
Agenda: Resolution of Intent Regarding the Water Resource Recovery Facility (WRRF) Improvements Project
Resolution - This Resolution expresses the City's intent to advance its own funds to pay project costs in advance of Program funds prior to issuance of the WRRF Improvement Bond and to reimburse itself with Program funds once the WRRF Improvement Bond has been issued and pay debt service on said Bond with sewer revenues. Utility Board approved this item 4-0. No budget adjustment is needed.



City of Bentonville, Arkansas Agenda Item Form

Item Details

Council Meeting Date:	2/13/2024	Submitted By:	Dennis Hayes
Phone:	479-531-2249	For Department(s):	Information Technology / MultiDepartment
Email:	dhayes@bentonvillear.com		

Item Type (Check all that apply)

☐ Informational	☐ Bid Award	☒ Enter into an Agreement	☐ Change Order
☐ Recognizing Funds	☒ Budget Adjustment	☐ Waiver of Bid	☐ Emergency Clause
☐ Ordinance	☒ Resolution	☐ Informational	

Title, Recommendation & Justification

Title:	Resolution entering into an agreement with Central Square Technologies for Cloud Migration Services
Action Recommendation & Justification:	Resolution authorizing the Mayor and City Clerk to enter into a professional services agreement with Central Square Technologies for the Migration of Community Development (TraKIT) and Utility Billing (Naviline) Applications from on premises to the cloud hosted solution by the Software Manufacturer. No additional funds are requested. A budget adjustment is needed to appropriate already budgeted funds into correct accounts.
Additional Comments for Consideration (Optional):	Capital expenditure funds were originally budgeted to replace physical hardware for Naviline Application. We would like to re-purpose this funding towards the cloud migration project. As such a budget adjustment from Capital to Professional services is requested. Central Square is the only company that can host its software on the cloud; therefore, this is single source service. State law authorizes the purchase of single source services or goods without soliciting bids.
Amount for Approval:	\$ 305,808.92

Budget Impact

Is this Item Budgeted? ☒ YES ☐ NO ☐ ITEM HAS NO COST ☐ OTHER: _____

Budget Adjustment (to be completed by Finance when applicable)

101010-47520	Computer Equipment	\$ (29,500.00)	\$
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
503530-47520	Computer Equipment	\$ (29,500.00)	\$
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
101010-43310	Technical/Data Processing	\$ 29,500.00	\$
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
503530-43310	Technical/Data Processing	\$ 29,500.00	\$
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue

Fund(s) Impacted

(check all that apply)

☒ General Fund ☒ Utility Fund ☐ Street Fund ☐ Other(s): _____

Budget Impact Notes for Consideration (Optional):

City of Bentonville, Arkansas

City Hall

305 SW A Street Bentonville, AR 72712

Memo

TraKIT & Naviline Cloud Migration Projects

Central Square are the current vendor of two of our key ERP Solutions for the City of Bentonville:

TraKIT – Permitting and Planning Enterprise Solutions

Naviline – Utility Billing and Work Order Management

Both established ERP Solutions are 'in house' and have been in place for several years. Both are currently under support contracts which are paid annually out of various departments budgets. Our intent is to look at migrating these applications to Central Squares dedicated cloud. Our intent is to migrate current software applications to the cloud and not change applications.

TRAKIT Funding

TraKIT was budgeted to Migrate to the Cloud in the 2024 Budget and funding is currently in place.

Naviline Funding

Naviline was not initially planned to Migrate to the cloud during the early budget process however after discussions late last year with Central Square regarding incentives we would like this to be considered and the contract approved to proceed.

Funding for this project in full would require a transfer of funds from Capital into Professional services. Capital Expenditure is in Admin 47520 and Utility Billing 47520 Accounts for 2023 budget.

This funding was initially for a Dedicated Server for the Naviline ERP that is needing to be replaced. This would not have to happen if the application is migrated to the cloud. The intent is to use these funds towards the Naviline Cloud Migration.

Central Square have provided a single contract for both Migrations. This provided us a discount to the projects.

Dennis Hayes

IT Director

City of Bentonville

Central Square Migration Project	Budget Account	2023	2024	Totals
Admin (47520)	47520	\$ 29,500.00		
Utility (47520)	47520	\$ 29,500.00		
IT	43310	Naviline Project	\$ 35,545.00	
Utility Billing	43310		\$ 65,876.06	
Accounting	43310		\$ 21,325.33	
Electric	43310		\$ 3,098.62	
Street	43310		\$ 3,098.62	
Water	43310		\$ 3,098.62	
Fire	43310	TRAKIT Project	\$ 58,241.00	
Planning	43310		\$ 58,241.00	
		\$ 59,000.00	\$ 248,524.25	\$ 307,524.25



MEMORANDUM

PURCHASING OFFICE

TO: ADMINISTRATION

FROM: Kelsi Frederick, Purchasing Manager

DATE: February 13, 2024

SUBJECT: The purchase of cloud migration services for CentralSquare Technologies, LLC

Purchasing has reviewed the information provided by IT, consulting with Legal, Finance, and IT, to determine that CentralSquare is the only company that can host its software on the cloud; therefore, this is single source service. State law authorizes the purchase of single source services or goods without soliciting bids. Capital expenditure funds were originally budgeted to replace physical hardware for Naviline Application. IT would like to re-purpose this funding towards the cloud migration project.

Please feel free to contact me with any questions.

Kelsi Frederick

(479) 271-3115

kfrederick@bentonvillear.com

CentralSquare Solutions Agreement

This CentralSquare Solutions Agreement (the "**Agreement**"), effective as of the last signature hereto (the "**Effective Date**"), is entered into between **CentralSquare Technologies, LLC** with its principal place of business in Lake Mary, FL ("**CentralSquare**") and **City of Bentonville, AR** ("**Customer**"), together with CentralSquare, the "**Parties**", and each, a "**Party**".

WHEREAS, Customer entered into a prior agreement for Software products with Superion, LLC, a CentralSquare Technologies, LLC company ("Superion"); and

WHEREAS, Customer is a currently licensed end user of the Superion Software; and

WHEREAS, through asset purchase, CentralSquare is the owner of all Superion Software products, services, and contractual obligations; and

WHEREAS, Customer desires to discontinue use of the Superion Software products and upgrade to the CentralSquare Software solution identified in Exhibit 1 to this Agreement; and

WHEREAS, this Agreement shall replace and supersede any and all prior agreements directly related to the Superion Software products being replaced by this Agreement.

WHEREAS, CentralSquare licenses and gives access to certain software applications ("**Solutions**") to its customers and also provides maintenance, support, migration, installation and other professional services; and

WHEREAS, Customer desires to license and/or gain access to certain Solutions and receive professional services described herein, and CentralSquare desires to grant and provide Customer license and access to such offerings as well as to provide support and maintenance, subject to the terms and conditions set forth in this Agreement.

NOW, THEREFORE, in consideration of the mutual covenants, terms, and conditions set forth herein, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, by the signatures of their duly authorized representative below, the Parties intending to be legally bound, agree to all of the following provisions and exhibits of this Agreement:

CentralSquare Technologies, LLC	City of Bentonville
1000 Business Center Drive Lake Mary, FL 32746	1000 SE 14th St., Bentonville, AR , 72712
By:	By:
Print Name:	Print Name:
Print Title:	Print Title:
Date Signed:	Date Signed:

Solution: Community Development and Utility Billing cloud migration

Term.

Initial Term. The Initial Term of this Agreement commences as of the Effective Date and will continue in effect for five (5) year(s) from such date unless terminated earlier pursuant to any of the Agreement's express provisions (the "**Initial Term**").

Renewal Term. This Agreement will automatically renew for additional successive one (1) year terms unless earlier terminated pursuant to any of the Agreement's provisions (a "**Renewal Term**" and, collectively, with the Initial Term, the "**Term**").

Non-Renewal. Either Party may elect to end renewal of the Agreement by issuing a notice of non-renewal, in writing, to the other Party six (6) months prior to the expiration of the Agreement term.

Fees.

In consideration of the rights and services granted by CentralSquare to Customer under this Agreement, Customer shall make payments to CentralSquare pursuant to the amounts and payment terms outlined in Exhibit 1 (the Solution(s) and Services Fee Schedule).

All invoices shall be billed and paid in U.S. dollars (USD) and in accordance with the terms set forth in Exhibit 1. If Customer delays an invoice payment for any reason, Customer shall promptly notify CentralSquare in writing the reasons for such delay. Unless otherwise agreed by both Parties, CentralSquare may apply any payment received to any delinquent amount outstanding.

Standard Terms and Conditions

1. **Definitions.** Capitalized terms not otherwise defined in this Agreement have the meanings set forth below:

- 1.1. **"Affiliate"** means any other Entity that directly or indirectly, through one or more intermediaries, controls, is controlled by, or is under common control with, such Entity.
- 1.2. **"Authorized User"** means Customer's employees, consultants, contractors, and agents who are authorized by Customer to access and use the Solutions pursuant to this Agreement, and for whom access to the Solutions has been purchased.
- 1.3. **"Baseline Solution"** means the version of a Solution updated from time to time pursuant to CentralSquare's warranty services and maintenance, but without any other modification.
- 1.4. **"CentralSquare Systems"** means the information technology infrastructure used by or on behalf of CentralSquare to deliver the Solutions, including all computers, software, hardware, databases, electronic systems (including database management systems), and networks, whether operated directly by CentralSquare or through the use of third-party services.
- 1.5. **"Customer Data"** means information, data, and content, in any form or medium, collected, downloaded, or otherwise received, directly or indirectly from Customer, an Authorized User or end-users by or through the Solutions, provided the data is not personally identifiable and not identifiable to Customer.
- 1.6. **"Customer Systems"** means the Customer's information technology infrastructure, including computers, software, hardware, databases, electronic systems (including database management systems), and networks, whether operated by Customer or through the third-party services.
- 1.7. **"Defect"** means a material deviation between the Baseline Solution and its Documentation, for which Customer has given CentralSquare sufficient information to enable CentralSquare to replicate the deviation on a computer configuration that is both comparable to the Customer Systems and that is under CentralSquare's control. Further, with regard to any custom modification, Defect means a material deviation between the custom modification and the CentralSquare generated specification and Documentation for such custom modification, and for which Defect Customer has given CentralSquare sufficient information to enable CentralSquare to replicate the deviation on a computer configuration that is both comparable to the Customer Systems and that is under CentralSquare's control.
- 1.8. **"Delivery"** means:
 - 1.8.1. For on-premise Solutions, Delivery shall be when CentralSquare delivers to Customer the initial copies of the Solutions outlined in Exhibit 1 by whichever the following applies and occurs first (a) electronic delivery, by posting it on CentralSquare's network for downloading, or similar suitable electronic file transfer method, or (b) physical shipment, such as on a disc or other suitable media transfer method, or (c) installation, or (d) delivery of managed services server. Physical shipment is on FOB - CentralSquare's shipping point, and electronic delivery is at the time CentralSquare provides Customer with access to download the Solutions.
 - 1.8.2. For cloud-based Solutions Delivery shall be whichever the following applies and occurs first when Authorized Users have (a) received log-in access to the Solution or any module of the Solution or (b) received access to the Solution via a URL.
- 1.9. **"Documentation"** means any manuals, instructions, or other documents or materials that CentralSquare provides or makes available to Customer in any form or medium and which describe the functionality, components, features, or requirements of the Solution(s), including any aspect of its installation, configuration, integration, operation, use, support, or maintenance.
- 1.10. **"End User Training"** means the process of educating general users of the Software on the operation of the Software.
- 1.11. **"Entity"** means an individual, corporation, partnership, joint venture, limited liability entity, governmental authority, unincorporated organization, trust, association, or other organization.
- 1.12. **"Hardware"** means any equipment, computer systems, servers, storage devices, peripherals, and any other tangible assets purchased under this Agreement.
- 1.13. **"Intellectual Property Rights"** means any and all registered and unregistered rights granted, applied for, or otherwise now or hereafter in existence under or related to any patent, copyright, trademark, trade secret, database protection, or other intellectual property rights laws, and all similar or equivalent rights or forms of protection, in any part of the world.
- 1.14. **"Managed Services Hardware"** means any equipment, computer systems, servers, peripherals, and any other tangible asset purchased as a subscription under this Agreement.
- 1.15. **"Maintenance"** means optimization, error correction, modifications, and Updates (defined herein) to CentralSquare Solutions to correct any known Defects and improve performance. Maintenance will be provided for each Solution, the hours and details of which are described in Exhibit 2 (Maintenance and Support)

- 1.16. **"New or Major Releases"** means new versions of a Baseline Solution (e.g., version 4.0, 5.0 etc.) not provided as part of Maintenance.
- 1.17. **"Personal Information"** means any information that does or can identify a specific individual or by or from which a specific individual may be identified, contacted, or located. Personal Information includes all "nonpublic personal information" as defined under the Gramm-Leach-Bliley Act, "protected health information" as defined under the Health and Insurance Portability and Accountability Act of 1996, "Personal Data" as defined in the EU General Data Protection Regulation (GDPR 2018), "Personal Information" as defined under the Children's Online Privacy Protection Act of 1998, and all rules and regulations issued under any of the foregoing.
- 1.18. **"Professional Services"** means configuration, installation, implementation, development work, training or consulting services including custom modification programming, support relating to custom modifications, on-site support services, assistance with data transfers, system restarts and reinstallations provided by CentralSquare.
- 1.19. **"Project Kickoff"** is a meeting to occur shortly after contract execution between CentralSquare and Customer in which goals and objectives are set forth, all parties relevant team members are identified, and scope, timelines, and milestones are reviewed.
- 1.20. **"Reliability Period"** is the time period in which the Software is tested and confirmed reliable by successfully completed fifteen (15) continuous days in a live environment with no repeatable Priority 1 or Priority 2 issues as defined in Exhibit 2, unless otherwise agreed in a statement of work.
- 1.21. **"Software"** means the software program(s) (in object code format only) identified on Exhibit 1 (Solution(s) and Services Fee Schedule). The term "Software" excludes any Third-Party Software.
- 1.22. **"Software Version"** means the base or core version of the Solution Software that contains significant new features and significant fixes and is available to the Customer. The nomenclature used for updates and upgrades consists of major, minor, build, and fix and these correspond to the following digit locations of a release, a,b,c,d. An example of which would be 7.4.1.3, where the 7 refers to the major release, the 4 refers to the minor release, the 1 refers to the build, and the 3 refers to a fix.
- 1.23. **"Solutions"** means the software, Documentation, development work, CentralSquare Systems and any and all other information, data, documents, materials, works, and other content, devices, methods, processes, hardware, software, technologies and inventions, including any deliverables, technical or functional descriptions, requirements, plans, or reports, provided or used by CentralSquare or any Subcontractor in connection with Professional Services or Support Services rendered under this Agreement.
- 1.24. **"Support Services"** means Maintenance, Enhancements, implementation of New Releases, and general support efforts to respond to incidents reported by Customer in accordance with Exhibit 2 (Maintenance & Support) and Exhibit 8 (Managed Services Provisions), if applicable.
- 1.25. **"Third-Party Materials"** means materials and information, in any form or medium, including any software, documents, data, content, specifications, products, related services, equipment, or components of or relating to the Solutions that are not proprietary to CentralSquare.

2. License, Access, and Title.

- 2.1. License Grant. For any Solution designated as a "license" on Exhibit 1, Customer is granted a perpetual (unless terminated as provided herein), nontransferable, nonexclusive right and license to use the Software for Customer's own internal use for the applications described in the Statement of Work, in the applicable environment (e.g., production, test, training, or disaster recovery system) and in the quantity set forth in Exhibit 1. Additional software licenses purchased after the execution of this Agreement shall also be licensed in accordance with the provisions of this section. Customer shall not use, copy, rent, lease, sell, sublicense, modify, create derivative works from/of, or transfer any software, or permit others to do said acts, except as provided in this Agreement. Any such unauthorized use shall be void and may result in immediate and automatic termination of the applicable license. In such event, Customer shall not be entitled to a refund of any license fees paid. Notwithstanding, Customer shall be entitled to use software at the applicable designated location for the purpose of the application(s) described in the Statement of Work to provide services for itself and other Affiliate governmental agencies/entities, provided that the Software is installed and operated at only one physical location. The Software license granted in this Agreement or in connection with it are for object code only and do not include a license or any rights to source code whatsoever.
- 2.2. Access Grant. For any Solution designated as a "subscription" on Exhibit 1, so long as subscription fees are paid and current, (unless terminated as provided herein), Customer is granted a nontransferable, nonexclusive right to use the software for the Customer's own internal use for the applications described in the Statement of Work, in the applicable environment (e.g., production, test, training, or disaster recovery system) and in the quantity set forth in Exhibit 1. Additional CentralSquare software subscriptions purchased after the execution of this Agreement shall also be accessed in accordance with the provisions of this section. Customer shall not use, copy, rent, lease, sell, sublicense, modify, create derivative works from/of, or transfer any software, or permit others to do said acts, except as provided in this Agreement. Any such unauthorized use

shall be void and may result in immediate and automatic termination of the applicable access. In such event, Customer shall not be entitled to a refund of any subscription fees paid. Notwithstanding, Customer shall be entitled to use software at the applicable designated location for the purpose of the application(s) described in the Statement of Work to provide services for itself and other Affiliate governmental agencies/entities. The subscription access granted in this Agreement or in connection with it are for object code only and do not include a license or any rights to source code whatsoever.

- 2.3. **Documentation License.** CentralSquare hereby grants to Customer a non-exclusive, non-sublicensable, non-transferable license to use the Documentation during the Term solely for Customer's internal business purposes in connection with its use of the Solutions.
- 2.4. **Hardware.** Subject to the terms and conditions of this Agreement, CentralSquare agrees to deliver, through hardware vendors, the Hardware itemized on Exhibit 1. The risk of loss or damage will pass to Customer upon the date of delivery to the Customer specified facility. Upon delivery and full satisfaction of the Hardware payment obligations, Hardware shall be deemed accepted and Customer will acquire good and clear title to Hardware. All Hardware manufacturer warranties will be passed through to Customer. CentralSquare expressly disclaims, and Customer hereby expressly waives all other Hardware warranties, express or implied, without limitation, warranties of merchantability and fitness for a particular purpose.
- 2.5. **Managed Services Hardware.** Subject to the terms and conditions of this Agreement, CentralSquare agrees to deliver the Managed Services Hardware itemized on Exhibit 1. So long as the applicable subscription fees are paid and current, Customer shall maintain a limited right in possessory interest in the Managed Services Hardware. No title in the Managed Services Hardware will pass to Customer at any time or for any reason. Customer agrees to maintain adequate insurance against fire, theft, or other loss for the Managed Services Hardware full insurable value. CentralSquare shall coordinate any defect or warranty claims in accordance with Exhibit 8.
- 2.6. **Reservation of Rights.** Nothing in this Agreement grants any right, title, or interest in or to any Intellectual Property Rights in or relating to the Solutions, or Third-Party Materials, whether expressly, by implication, estoppel, or otherwise. All right, title, and interest in the Solutions, and the Third-Party Materials are and will remain with CentralSquare and the respective rights holders.

3. Use Restrictions. Authorized Users shall not:

- 3.1. copy, modify, or create derivative works or improvements of the Solutions, or rent, lease, lend, sell, sublicense, assign, distribute, publish, transfer, or otherwise make available any Solutions to any Entity, including on or in connection with the internet or any time-sharing, service bureau, software as a service, cloud, or other technology or service;
- 3.2. reverse engineer, disassemble, decompile, decode, adapt, or otherwise attempt to derive or gain access to the source code of the Solutions, in whole or in part;
- 3.3. bypass or breach any security device or protection used by Solutions or access or use the Solutions other than by an Authorized User through the use of his or her own then valid access;
- 3.4. input, upload, transmit, or otherwise provide to or through the CentralSquare Systems, any information or materials that are unlawful or injurious, or contain, transmit, or activate any harmful code (any software, hardware, device, or other technology, including any virus, worm, malware, or other malicious computer code, the purpose or effect of which is to (a) permit unauthorized access to, or to destroy, disrupt, disable, distort, or otherwise harm or impede any (i) computer, software, firmware, hardware, system or network; or (ii) any application or function of any of the foregoing or the security, integrity, confidentiality, or use of any data processed thereby; or (b) prevent Customer or any Authorized User from accessing or using the Solutions as intended by this Agreement;
- 3.5. damage, destroy, disrupt, disable, impair, interfere with, or otherwise impede or harm in any manner the CentralSquare Systems, or CentralSquare's provision of services to any third-party, in whole or in part;
- 3.6. remove, delete, alter, or obscure any trademarks, specifications, Documentation, warranties, or disclaimers, or any copyright, trademark, patent, or other intellectual property or proprietary rights notices from any Documentation or Solutions, including any copy thereof;
- 3.7. access or use the Solutions in any manner or for any purpose that infringes, misappropriates, or otherwise violates any Intellectual Property Right or other right of any third-party, or that violates any applicable law;
- 3.8. access or use the Solutions for purposes of competitive analysis of the Solutions, the development, provision, or use of a competing software service or product or any other purpose that is to CentralSquare's detriment or commercial disadvantage or otherwise access or use the Solutions beyond the scope of the authorization granted in Section 2.

4. Audit.

- 4.1. CentralSquare shall have the right to audit Customer's use of the Software to monitor compliance with this Agreement. Customer shall permit CentralSquare and its directors, officers, employees, and agents to have on-site access at Customer's premises (or remote access as the case may be) during normal business hours to such systems, books, and records for the

purpose of verifying license counts, access counts, and overall compliance with this Agreement. Customer shall render reasonable cooperation to CentralSquare as requested. If as a result of any audit or inspection CentralSquare substantiates a deficiency or non-compliance, or if an audit reveals that Customer has exceeded the restrictions on use, Customer shall promptly reimburse CentralSquare for all its costs and expenses incurred to conduct such audit or inspection and be required to pay for any delinquencies in compliance and prompt payment of any underpayment of Fees.

5. Customer Obligations.

- 5.1. Customer Systems and Cooperation. Customer shall at all times during the Term: (a) set up, maintain, and operate in good repair all Customer Systems on or through which the Solutions are accessed or used; (b) provide CentralSquare Personnel with such access to Customer's premises and Customer Systems as is necessary for CentralSquare to perform the Support Services in accordance with the Support Standards and specifications and if required by CentralSquare, remote access in accordance with Exhibit 3 (CentralSquare Access Management Policy); and (c) provide all cooperation as CentralSquare may reasonably request to enable CentralSquare to exercise its rights and perform its obligations under this Agreement.
- 5.2. Effect of Customer Failure or Delay. CentralSquare is not responsible or liable for any delay or failure of performance caused in whole or in part by Customer's delay in performing, or failure to perform, any of its obligations under this Agreement.
- 5.3. Corrective Action and Notice. If Customer becomes aware of any actual or threatened activity prohibited by Section **Error! Reference source not found.**, Customer shall, and shall cause its Authorized Users to, immediately: (a) take all reasonable and lawful measures within their respective control that are necessary to stop the activity or threatened activity and to mitigate its effects (including, where applicable, by discontinuing and preventing any unauthorized access to the Solutions and permanently erasing from their systems and destroying any data to which any of them gained unauthorized access); and (b) notify CentralSquare of any such actual or threatened activity.
- 5.4. Maintaining Current Versions of CentralSquare Solutions. In accordance with Exhibit 2 (Maintenance & Support) and Exhibit 8 (Managed Services Provisions), if applicable. Customer shall install and/or use any New or Major Release within one year of being made available by CentralSquare to mitigate a performance problem, ineligibility for Support Services, or an infringement claim.

6. Professional Services.

- 6.1. Compliance with Customer Policies. While CentralSquare personnel are performing services at Customer's site, CentralSquare personnel will comply with Customer's reasonable procedures and site policies that are generally applicable to Customer's other suppliers providing similar services and that have been provided to CentralSquare in writing or in advance.
- 6.2. Contributed Material. In the process of CentralSquare's performing Professional Services, Customer may, from time to time, provide CentralSquare with designs, plans, or specifications, improvements, works or other material for inclusion in, or making modifications to, the Solutions, the Documentation or any other deliverables ("**Contributed Material**"). Customer grants to CentralSquare a nonexclusive, irrevocable, perpetual, transferable right, without the payment of any royalties or other compensation of any kind and without the right of attribution, for CentralSquare, CentralSquare's Affiliates and CentralSquare's licensees to make, use, sell and create derivative works of the Contributed Material.

7. Confidentiality.

- 7.1. Nondisclosure. The Parties agree, unless otherwise provided in this Agreement or required by law, not to use or make each other's Confidential Information available to any third party for any purpose other than as necessary to perform under this Agreement. "**Confidential Information**" means the Solution(s), Software, and customizations in any embodiment, and either Party's technical and business information relating to inventions or software, research and development, future product specifications, engineering processes, costs, profit or margin information, marketing and future business plans as well as any and all internal Customer and employee information, and any information exchanged by the Parties that is clearly marked with a confidential, private or proprietary legend or which, by its nature, is commonly understood to be confidential.
- 7.2. Exceptions. A Party's Confidential Information shall not include information that: (a) is or becomes publicly available through no act or omission of the recipient; (b) was in the recipient's lawful possession prior to the disclosure and was not obtained by the recipient either directly or indirectly from the disclosing Party; (c) is lawfully disclosed to the recipient by a third party without restriction on recipient's disclosure, and where recipient was not aware that the information was the confidential information of discloser; (d) is independently developed by the recipient without violation of this Agreement; or (e) is required to be disclosed by law.

8. Security.

- 8.1. CentralSquare will implement commercially reasonable administrative, technical and physical safeguards designed to ensure the security and confidentiality of Customer Data, protect against any anticipated threats or hazards to the security or integrity

of Customer Data, and protect against unauthorized access or use of Customer Data. CentralSquare will review and test such safeguards on no less than an annual basis.

- 8.2. Customer shall maintain, in connection with the operation or use of the Solutions, adequate technical and procedural access controls and system security requirements and devices, necessary for data privacy, confidentiality, integrity, authorization, authentication, non-repudiation, virus detection and eradication.
- 8.3. To the extent that Authorized Users are permitted to have access to the Solutions, Customer shall maintain agreements with such Authorized Users that adequately protect the confidentiality and Intellectual Property Rights of CentralSquare in the Solutions and Documentation and disclaim any liability or responsibility of CentralSquare with respect to such Authorized Users.

9. Personal Data. If CentralSquare processes or otherwise has access to any personal data or Personal Information on Customer's behalf when performing CentralSquare's obligations under this Agreement, then:

- 9.1. Customer shall be the data controller (where "**data controller**" means an entity which alone or jointly with others determines purposes for which and the manner in which any personal data are, or are to be, processed) and CentralSquare shall be a data processor (where "**data processor**" means an entity which processes the data only on behalf of the data controller and not for any purposes of its own);
- 9.2. Customer shall ensure that it has obtained all necessary consents and it is entitled to transfer the relevant personal data or Personal Information to CentralSquare so that CentralSquare may lawfully use, process and transfer the personal data and Personal Information in accordance with this Agreement on Customer's behalf, which may include CentralSquare processing and transferring the relevant personal data or Personal Information outside the country where Customer and the Authorized Users are located in order for CentralSquare to provide the Solutions and perform its other obligations under this Agreement; and
- 9.3. CentralSquare shall process personal data and information only in accordance with lawful and reasonable written instructions given by Customer and as set out in and in accordance with the terms of this Agreement; and
- 9.4. CentralSquare shall take reasonable steps to ensure that its employees, agents and contractors who may have access to Personal Information are persons who need to know / access the relevant Personal Information for valid business reasons; and
- 9.5. each Party shall take appropriate technical and organizational measures against unauthorized or unlawful processing of the personal data and Personal Information or its accidental loss, destruction or damage so that, having regard to the state of technological development and the cost of implementing any measures, the measures taken ensure a level of security appropriate to the harm that might result from such unauthorized or unlawful processing or accidental loss, destruction or damage in relation to the personal data and Personal Information and the nature of the personal data and Personal Information being protected. If necessary, the Parties will cooperate to document these measures taken.

10. Representations and Warranties.

- 10.1. Intellectual Property Warranty. CentralSquare represents and warrants that (a) it is the sole and exclusive owner of (or has the right to license) the software; (b) it has full and sufficient right, title and authority to grant the rights and/or licenses granted under this Agreement; (c) the software does not contain any materials developed by a third party used by CentralSquare except pursuant to a license agreement; and (d) the software does not infringe any patent, or copyright.
- 10.2. Intellectual Property Remedy. In the event that any third party asserts a claim of infringement against the Customer relating to the software contained in this Agreement, CentralSquare shall indemnify and defend the Customer pursuant to section 13.1 of this Agreement. In the case of any such claim of infringement, CentralSquare shall either, at its option, (1) procure for Customer the right to continue using the software; or (2) replace or modify the software so that that it becomes non-infringing, but equivalent in functionality and performance.
- 10.3. Software Warranty. CentralSquare warrants to Customer that: (i) for a period of one year from the Effective Date (the "Warranty Period") the Software will substantially conform in all material respects to the specifications set forth in the Documentation, when installed, operated and used as recommended in the Documentation and in accordance with this Agreement; and (ii) at the time of delivery the Software does not contain any virus or other malicious code.
- 10.4. Software Remedy. If, during the Warranty Period a warranty defect is confirmed in the CentralSquare Software, CentralSquare shall, at its option, reinstall the Software or correct the Defects. Defects that occur in the Software after the Warranty Period will be corrected pursuant to Exhibit 2 (Maintenance & Support) and Exhibit 8 (Managed Services Provisions), if applicable.
- 10.5. Services Warranty. CentralSquare warrants that the Professional Services delivered will substantially conform to the deliverables specified in the applicable statement of work and that all Professional Services will be performed in a professional and workmanlike manner consistent with industry standards for similar work. If Professional Services do not substantially conform to the deliverables, Customer shall notify CentralSquare of such non-conformance in writing, within 10 days from

completion of Professional Service, and CentralSquare shall promptly repair the non-conforming deliverables.

- 10.6. **Disclaimer of Warranty.** EXCEPT FOR THE EXPRESS LIMITED WARRANTIES SET FORTH ABOVE, CENTRALSQUARE MAKES NO WARRANTIES WHATSOEVER, EXPRESSED OR IMPLIED, WITH REGARD TO THE INTELLECTUAL PROPERTY, SOFTWARE, PROFESSIONAL SERVICES, AND/OR ANY OTHER MATTER RELATING TO THIS AGREEMENT, AND THAT CENTRALSQUARE DISCLAIMS ALL WARRANTIES, WHETHER EXPRESS, IMPLIED, STATUTORY, OR OTHERWISE, INCLUDING ALL WARRANTIES ARISING FROM COURSE OF DEALING, USAGE OR TRADE PRACTICE, AND SPECIFICALLY DISCLAIMS IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR TITLE. FURTHER, CENTRALSQUARE EXPRESSLY DOES NOT WARRANT THAT A SOLUTION, ANY CUSTOM MODIFICATION OR ANY IMPROVEMENTS WILL BE USABLE BY CUSTOMER IF THE SOLUTION OR CUSTOM MODIFICATION HAS BEEN MODIFIED BY ANYONE OTHER THAN CENTRALSQUARE PERSONNEL, OR WILL BE ERROR FREE, WILL OPERATE WITHOUT INTERRUPTION OR WILL BE COMPATIBLE WITH ANY HARDWARE OR SOFTWARE EXCEPT TO THE EXTENT EXPRESSLY SET FORTH IN THE DOCUMENTATION. ALL THIRD-PARTY MATERIALS ARE PROVIDED "AS-IS" AND ANY REPRESENTATION OR WARRANTY OF OR CONCERNING ANY OF THEM IS STRICTLY BETWEEN CUSTOMER AND THE THIRD-PARTY. THIS AGREEMENT DOES NOT AMEND, OR MODIFY CENTRALSQUARE'S WARRANTY UNDER ANY AGREEMENT OR ANY CONDITIONS, LIMITATIONS, OR RESTRICTIONS THEREOF.

11. **Notices.** All notices and other communications required or permitted under this Agreement must be in writing and will be deemed given when delivered personally, sent by United States registered or certified mail, return receipt requested; transmitted by facsimile or email confirmed by first class mail, or sent by overnight courier. Notices must be sent to a Party at its address shown below, or to such other place as the Party may subsequently designate for its receipt of notices in writing by the other Party.

If to CentralSquare : **CentralSquare Technologies, LLC**
 1000 Business Center Dr.
 Lake Mary, FL 32746
 Phone: 407-304-3235
 Attention: Legal/Contracts

If to Customer: **City of Bentonville**
 1000 SE 14th St.
 Bentonville, AR 72712
 Phone: 479-271-3127
 Email: dhayes@bentonvillear.com
 Attention: Dennis Hayes

12. **Force Majeure.**

Neither Party shall be responsible for failure to fulfill its obligations hereunder, or be liable for damages resulting from delay in performance as a result of war, fire, strike, riot or insurrection, natural disaster, pandemic or epidemic, delay of carriers, governmental order or regulation, complete or partial shutdown of plant, unavailability of equipment, software, or services from suppliers, default of a subcontractor or vendor to the Party if such default arises out of causes beyond the reasonable control of such subcontractor or vendor, the acts or omissions of the other Party, or its officers, directors, employees, agents, contractors, or elected officials, and/or other occurrences beyond the Party's reasonable control ("Excusable Delay" hereunder). In the event of such Excusable Delay, performance shall be extended on a day for day basis or as otherwise reasonably necessary to compensate for such delay.

13. **Indemnification.**

13.1. **CentralSquare Indemnification.** CentralSquare shall indemnify, defend, and hold harmless Customer from any and all Claims or liability, including attorneys' fees and costs, brought by a third party, allegedly arising out of, in connection with, or incident to any loss, damage or injury to persons or property or arising solely from a wrongful or negligent act, error or omission of CentralSquare, its employees, agents, contractors, or any subcontractor as a result of CentralSquare's or any subcontractor's performance pursuant to this Agreement; however, CentralSquare shall not be required to indemnify Customer for any claims caused to the extent of the negligence or wrongful act of Customer, its employees, agents, or contractors. Notwithstanding anything to the contrary in the foregoing, if a Claim or liability results from or is contributed to by the actions or omissions of Customer, or its employees, agents or contractors, CentralSquare's obligations under this provision shall be reduced to the extent of such actions or omissions based upon the principle of comparative fault.

13.2. **Customer Indemnification.** To the extent allowable by law, Customer shall indemnify, defend, and hold harmless CentralSquare from any and all Claims or liability, including attorneys' fees and costs, allegedly arising out of, in connection with, or incident to any loss, damage or injury to persons or property or arising solely from a wrongful or negligent act, error

or omission of Customer, its employees, agents, contractors, or any subcontractor as a result of Customer's or any subcontractor's performance pursuant to this Agreement; however, Customer shall not be required to indemnify CentralSquare for any Claims or actions caused to the extent of the negligence or wrongful act of CentralSquare, its employees, agents, or contractors. Notwithstanding anything to the contrary in the foregoing, if a Claim or liability results from or is contributed to by the actions or omissions of CentralSquare, or its employees, agents or contractors, Customer's obligations under this provision shall be reduced to the extent of such actions or omissions based upon the principle of comparative fault.

- 13.3. "**Claim**" in this Section 13 means any claim, cause of action, demand, lawsuit, dispute, inquiry, audit, notice of violation, proceeding, litigation, citation, summons, subpoena or investigation of any nature, civil, criminal, administrative, regulatory or other, whether at law, in equity, or otherwise.

14. Termination.

- 14.1. Either Party may terminate this Agreement for a material breach in accordance with this subsection. In such event, the disputing Party shall deliver written notice of its intent to terminate along with a description in reasonable detail of the problems for which the disputing Party is invoking its right to terminate and the specific requirement within this Agreement or any exhibit or schedule hereto that the disputing Party is relying upon. Following such notice, the Parties shall commence dispute resolution procedures in accordance with the dispute resolution procedure pursuant to Section 17.
- 14.2. CentralSquare shall have the right to terminate this Agreement based on Customer's failure to pay undisputed amounts due under this Agreement more than ninety (90) days after delivery of written notice of non-payment.
- 14.3. Customer shall have the right to terminate if the proper appropriation of funds for the continuation of this Agreement is not available for any fiscal year after the first fiscal year during the Term, then this Agreement may be terminated. To effect the termination of this Agreement, Customer shall, within forty-five (45) days following the beginning of the fiscal year for which the proper appropriation is not available, provide CentralSquare with written notice of the failure to obtain the proper appropriation of funds. Such notice shall be accompanied by the payment of all sums then owed CentralSquare under this Agreement, if any.
- 14.4. Customer may also terminate for convenience, in whole or in part, at any time by providing thirty (30) days written notice. Should Customer terminate for convenience during any twelve (12) month term, CentralSquare shall provide a pro-rated refund for any on-premise subscription asset designated on Exhibit 1, with "(OP)". Should Customer terminate for convenience, in whole or in part, any cloud hosted subscription asset, no pre-paid fees shall be returned, or pro-rated refund be given, for any remaining months on the then current term. Should Customer terminate for convenience, in whole or in part, any third-party asset, no pre-paid fees shall be returned, or pro-rated refund be given, for any remaining months on the then current term.

15. Effect of Termination or Expiration. On the expiration or earlier termination of this Agreement:

- 15.1. All rights, licenses, and authorizations granted to Customer hereunder will immediately terminate and Customer shall immediately cease all use of CentralSquare's Confidential Information and the Solutions, and within thirty (30) days deliver to CentralSquare, or at CentralSquare's request destroy and erase CentralSquare's Confidential Information from all systems Customer directly or indirectly controls; and
- 15.2. All licenses, access or subscription fees, services rendered but unpaid, and any amounts due by Customer to CentralSquare of any kind shall become immediately payable and due no later than thirty (30) days after the effective date of the termination or expiration, including anything that accrues within those thirty (30) days.
- 15.3. The provisions set forth in the following sections, and any other right or obligation of the Parties in this Agreement that, by its nature (including but not limited to: Use Restrictions, Confidential Information, Warranty Disclaimers, Indemnifications, & Limitations of Liability), will survive any expiration or termination of this Agreement.
- 15.4. In the event that Customer terminates this Agreement or cancels any portions of a project (as may be set forth in a Statement of Work) prior to Go Live (which shall be defined as "first use of a Solution or module of a Solution in a production environment, unless otherwise agreed by the Parties in a statement of work"), Customer shall pay for all Professional Services actually performed by CentralSquare on a time and materials basis, regardless of the payment terms in Exhibit 1.
- 15.5. Return of Customer Data. If Customer requests in writing at least ten (10) days prior to the effective date of expiration or earlier termination of this Agreement, CentralSquare shall within sixty (60) days following such expiration or termination, deliver to Customer in CentralSquare's standard format the then most recent version of Customer Data maintained by CentralSquare, provided that Customer has at that time paid all Fees then outstanding and any amounts payable after or as a result of such expiration or termination.
- 15.6. Deconversion. In the event of (i) expiration or earlier termination of this Agreement, or (ii) Customer no longer purchasing certain Solutions (including those indicated to be Third-Party Materials), if Customer requests assistance in the transfer of Customer Data to a different vendor's applications ("Deconversion"), CentralSquare will provide reasonable assistance. CentralSquare and Customer will negotiate in good faith to establish the relative roles and responsibilities of CentralSquare

and Customer in effecting Deconversion, as well as the appropriate date for completion. CentralSquare shall be entitled to receive compensation for any additional consultation, services, software, and documentation required for Deconversion on a time and materials basis at CentralSquare's then standard rates.

15.7. Termination of this Agreement shall not relieve either Party of any other obligation incurred one to the other prior to termination.

16. Assignment. Neither this Agreement nor any rights or obligations hereunder shall be assigned or otherwise transferred by either Party without the prior written consent of the other Party, which consent will not be unreasonably withheld; provided however, that in the event of a merger or acquisition of all or substantially all of CentralSquare's assets, CentralSquare may assign this Agreement to an entity ready, willing and able to perform CentralSquare's executory obligations hereunder.

17. Dispute Resolution. Any dispute, controversy or claim arising out of or relating to this Agreement (each, a "Dispute"), including the breach, termination, or validity thereof, shall be resolved as follows:

17.1. Good Faith Negotiations. The Parties agree to send written notice to the other Party of any Dispute ("Dispute Notice"). After the other Party receives the Dispute Notice, the Parties agree to undertake good faith negotiations to resolve the Dispute. Each Party shall be responsible for its associated travel and other related costs.

17.2. Escalation to Mediation. If the Parties cannot resolve any Dispute through good faith negotiations, the dispute will be escalated to non-binding mediation, with the Parties acting in good faith to select a mediator and establishing the mediation process. The Parties agree the mediator's fees and expenses, and the mediator's costs incidental to the mediation, will be shared equally between the Parties. The Parties shall bear their own fees, expenses, and costs.

17.3. Confidential Mediation. The Parties further agree all written or oral offers, promises, conduct, and statements made in the course of the mediation are confidential, privileged, and inadmissible for any purpose in any litigation, arbitration or other proceeding involving the Parties. However, evidence that is otherwise admissible or discoverable shall not be rendered inadmissible or non-discoverable as a result of its use in the mediation.

17.4. Litigation. If the Parties cannot resolve a Dispute through mediation, then once an impasse is declared by the mediator either Party may pursue litigation in a court of competent jurisdiction.

18. Waiver/Severability. The failure of any Party to enforce any of the provisions hereof will not be construed to be a waiver of the right of such Party thereafter to enforce such provisions. If any provision of this Agreement is found to be unenforceable, that provision will be enforced to the maximum extent possible, and the validity, legality and enforceability of the remaining provisions will not in any way be affected or impaired thereby.

19. LIABILITY. NOTWITHSTANDING ANY PROVISION WITHIN THIS AGREEMENT TO THE CONTRARY, AND REGARDLESS OF THE NUMBER OF LOSSES, WHETHER IN CONTRACT, EQUITY, STATUTE, TORT, NEGLIGENCE, OR OTHERWISE:

19.1. **NEITHER PARTY SHALL HAVE LIABILITY TO THE OTHER PARTY FOR ANY SPECIAL, INDIRECT, INCIDENTAL, PUNITIVE, EXEMPLARY, LIQUIDATED, OR CONSEQUENTIAL DAMAGES OF ANY KIND INCLUDING BUT NOT LIMITED TO, REPLACEMENT COSTS, AND NEITHER PARTY SHALL BE LIABLE TO THE OTHER PARTY FOR LOSSES OF PROFIT, REVENUE, INCOME, BUSINESS, ANTICIPATED SAVINGS, DATA, AND REPUTATION, AND MORE GENERALLY, ANY LOSSES OF AN ECONOMIC OR FINANCIAL NATURE, REGARDLESS OF WHETHER SUCH LOSSES MAY BE DEEMED AS CONSEQUENTIAL OR ARISING DIRECTLY AND NATURALLY FROM THE INCIDENT GIVING RISE TO THE CLAIM, AND REGARDLESS OF WHETHER SUCH LOSSES ARE FORESEEABLE OR WHETHER EITHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH LOSSES; AND**

19.2. **CENTRALSQUARE'S TOTAL LIABILITY ARISING OUT OF OR IN CONNECTION WITH THIS AGREEMENT SHALL NOT EXCEED THE AMOUNT(S) ACTUALLY PAID BY CUSTOMER TO CENTRALSQUARE HEREUNDER FOR THE LAST TWELVE (12) MONTHS PRIOR TO THE DATE THE CLAIM AROSE.**

20. Insurance. During the term of this Agreement, CentralSquare shall maintain insurance coverage covering its operations in accordance with Exhibit 4 (Certificate of Insurance (Evidence of Coverage)). Upon request by Customer, CentralSquare shall include Customer as an additional insured on applicable insurance policies provided under this Agreement. CentralSquare shall provide proof of current coverage during the term of this Agreement.

21. Third-Party Materials. CentralSquare may, from time to time, include third parties to perform services, provide software, or provide equipment. Customer acknowledges and agrees CentralSquare provides front-line support services for these Third-Party Materials, but these third parties assume all responsibility and liability in connection with the Third-Party Materials. CentralSquare is not authorized to make any representations or warranties that are binding upon the third-party or to engage in any other acts that are binding upon the third-party, except specifically that CentralSquare is authorized to represent third-party fees and to accept payment of such amounts from Customer on behalf of the third-party for as long as such third-party authorizes CentralSquare to do so. As a condition precedent to installing or accessing certain Third-Party Materials, Customer may be required to execute a click-through, shrink-wrap End User License Agreement ("EULA") or similar agreement provided by the Third-Party Materials provider. If mapping information is supplied with the CentralSquare Software, CentralSquare makes no representation or warranty as to the completeness

or accuracy of the mapping data provided with the CentralSquare Software. The completeness or accuracy of such data is solely dependent on the information supplied by the Customer or the mapping database vendor to CentralSquare. All third-party materials are provided "as-is" and any representation or warranty concerning them is strictly between Customer and the third-party.

- 22. Subcontractors.** CentralSquare may from time to time, in its discretion, engage third parties to perform services on its behalf including but not limited to Professional Services, Support Services, and/or provide software (each, a "Subcontractor"). CentralSquare shall be fully responsible for the acts of all subcontractors to the same extent it is responsible for the acts of its own employees.
- 23. Entire Agreement.** This Agreement, and any Exhibits specifically incorporated therein by reference, constitute the entire agreement between the Parties with respect to the subject matter. These documents supersede and merge all previous and contemporaneous proposals of sale, communications, representations, understandings and agreements, whether oral or written, between the Parties with respect to the subject hereof.
- 24. Amendment.** Either Party may, at any time during the term, request in writing changes to this agreement. The Parties shall evaluate and, if agreed, implement all such requested changes. No requested changes will be effective unless and until memorialized in either a CentralSquare issued add-on quote signed by Customer, or a written change order or amendment to this Agreement signed by both Parties.
- 25. No Third-Party Beneficiaries.** This Agreement is for the sole benefit of the Parties and their respective successors and permitted assigns and nothing herein, express or implied, is intended to or shall confer on any other person any legal or equitable right, benefit, or remedy of any nature under or by reason of this Agreement.
- 26. Counterparts.** This Agreement, and any amendments hereto, may be executed in several counterparts, each of which when so executed shall be deemed to be an original, and such counterparts shall constitute one and the same instrument. The Agreement (and any amendments) shall be considered properly executed by a Party if executed by that Party and transmitted by facsimile or other electronic means, such as DocuSign, Tagged Image Format Files (TIFF), or Portable Document Format (PDF).
- 27. Material Adverse Change.** If any law, regulation, applicable standard, process, OEM requirement is changed or comes into force after the Effective Date, including but not limited to PCI standards or Americans with Disabilities Act compliance (collectively, a "Material Adverse Change"), which is not explicitly addressed within this Agreement and results in *significant extra* costs for either Party in relation to the performance of this Agreement, both Parties shall promptly meet, discuss in good faith, and agree upon reducing the technical, operational, and/or commercial impact of such Material Adverse Change.
- 28. Cooperative Purchases.** This Agreement may be used by Customer Affiliates. CentralSquare agrees to offer similar services to other Affiliates under the same terms and conditions as stated herein except that the Fees may be negotiated between CentralSquare and other Affiliates based on the specific revenue expectations, agency reimbursed costs, and other Affiliate requirements. The Customer will in no way whatsoever incur any liability in relation to specifications, delivery, payment, or any other aspect of purchases by such Affiliates. CentralSquare and the Affiliate will enter into any such arrangement with an amendment to this Agreement.
- 29. Order of Precedence.**
- 29.1. In the event of any conflict or inconsistency between this Agreement, the Exhibits, or any purchase order, then the following priority shall prevail:
- 29.1.1. The main body of this Agreement and any associated amendments, statements of work (including Exhibit 5 (Statement of Work)), or change orders and then the attached Exhibits to this Agreement in the order in which they appear.
- 29.2. Customer's purchase terms and conditions or CentralSquare's sales terms and conditions are not applicable and shall have no force or effect, whether referenced in any document in relation to this Agreement.
- 29.3. Incorporated Exhibits to this Agreement:
- Exhibit 1:** Solution(s) and Services Fee Schedule
 - Exhibit 2:** Maintenance & Support
 - Exhibit 3:** CentralSquare Access Management Policy
 - Exhibit 4:** Certificate of Insurance (Evidence of Coverage)
 - Exhibit 5:** Statement of Work
 - Exhibit 6:** Intentionally Omitted
 - Exhibit 7:** Service Level Commitments (if applicable)
 - Exhibit 8:** Intentionally Omitted
 - Exhibit 9:** Intentionally Omitted

EXHIBIT 1-A
Solutions(s) and Services Fee Schedule

COMMUNITY DEVELOPMENT

	PRODUCT NAME	QUANTITY	UNIT PRICE	DISCOUNT	TOTAL
1.	Bluebeam Server API for TRAKiT Annual Access Fee	1	6,700.48		6,700.48
2.	Community Development: Advanced Annual Subscription Fee SaaS	35	2,000.00	- 3,500.00	66,500.00
3.	eTRAKiT Credit Card API Annual Access Fee	1	1,340.10		1,340.10
4.	GIS Advanced Engine Subscription SaaS Annual Subscription Fee SaaS	1	5,500.00	- 809.66	4,690.34
5.	TRAKiT Credit Card Reader Interface Annual Access Fee	1	3,600.00	- 1,589.85	2,010.15
Community Development Software Subtotal					87,140.58 USD
Community Development Software Discount					- 5,899.51 USD
Community Development Software Total					81,241.07 USD

NAVILINE

	PRODUCT NAME	QUANTITY	UNIT PRICE	DISCOUNT	TOTAL
6.	Cognos BI: Base Bundle NaviLine Multi-Data Source Annual Access Fee	1	2,144.15		2,144.15
7.	Fusion Proprietary Annual Access Fee	1	5,000.00		5,000.00
8.	Horizon Cloud for NaviLine Annual Access Fee	1	48,000.00		48,000.00
9.	LG Address Manager Annual Access Fee	2	3,292.53		6,585.06
10.	LG GeoBlade Viewer Annual Subscription Fee	1	2,494.37		2,494.37

11.	Modifications Annual Access Fee	1	1,400.00		1,400.00
12.	NaviLine Accounts Receivable-Annual Access Fee	1	5,892.00		5,892.00
13.	NaviLine Cash Receipts Lock Box Interface Annual Access Fee	1	1,212.00	- 263.17	948.83
14.	NaviLine Cash Receipts-Annual Access Fee	1	3,792.00		3,792.00
15.	NaviLine Cloud Test Environment Annual Subscription Fee	1	12,000.00		12,000.00
16.	NaviLine Customer Information System Annual Access Fee	1	20,380.43		20,380.43
17.	NaviLine Document Management Services Annual Access Fee	1	2,268.00		2,268.00
18.	NaviLine Financials Imaging Interface Annual Access Fee	1	4,860.00		4,860.00
19.	NaviLine Global Financials Annual Access Fee	1	0.00		0.00
20.	NaviLine GMBA w/Extended Reporting Annual Access Fee	1	16,296.00		16,296.00
21.	NaviLine Land/Parcel Mgmt-Annual Access Fee	1	6,228.00		6,228.00
22.	NaviLine Real-Time Pricing Annual Access Fee	1	0.00		0.00
23.	NaviLine Smart Metering Annual Access Fee	1	7,684.81		7,684.81
24.	NaviLine User Interface Annual Access Fee	1	12,000.00	- 12,000.00	0.00
25.	NaviLine Utilities Imaging Interface Annual Access Fee	1	4,860.00		4,860.00
26.	NaviLine Web Enablement Annual Access Fee	1	1,284.00		1,284.00
27.	NaviLine Web Enablement Test Annual Access	1	1,284.00	- 814.00	470.00
28.	NaviLine Work Orders/Facility Management Annual Access Fee	1	10,692.00		10,692.00

Naviline Software Subtotal	176,356.82 USD
Naviline Software Discount	- 13,077.17 USD
Naviline Software Total	163,279.65 USD

SOFTWARE SUMMARY

Software Subtotal	263,497.40 USD
Software Discount	- 18,976.68 USD
Software Total	244,520.72 USD

WHAT SERVICES ARE INCLUDED?

COMMUNITY DEVELOPMENT

	DESCRIPTION	TOTAL
1.	Community Development: Advanced SaaS Subscription Cloud Setup Fee	10,000.00
2.	Public Administration Data Conversion Services - Fixed Fee	1,950.00
3.	Public Administration GIS Services - Fixed Fee	9,750.00
4.	Public Administration Project Management Services - Fixed Fee	3,315.00
5.	Public Administration Technical Services - Fixed Fee	4,680.00
Community Development Services Subtotal		29,695.00 USD
Community Development Services Discount		- 10,310.35 USD
Community Development Services Total		19,384.65 USD

NAVILINE

	DESCRIPTION	TOTAL
6.	Public Administration Project Management Services - Fixed Fee	19,500.00
7.	Public Administration Technical Services - Fixed Fee	28,665.00
Naviline Services Subtotal		48,165.00 USD
Naviline Services Discount		- 6,261.45 USD
Naviline Services Total		41,903.55 USD

SERVICES SUMMARY

Services Subtotal	77,860.00 USD
Services Discount	- 16,571.80 USD
Services Total	61,288.20 USD

QUOTE SUMMARY

Software Subtotal

263,497.40 USD

Services Subtotal

77,860.00 USD

Quote Subtotal

341,357.40 USD

Discount

- 35,548.48 USD

Quote Total

305,808.92 USD

Payment Schedule:

	Implementation Services
30%	Due on Effective Date
20%	Due at Project Kickoff
15%	Due at completion of 1 st End User Training Session
30%	Due at Go Live
5%	Due at completion of Reliability Period

Payment Terms:

Subscriptions:

- Annual Subscription Fees are due on the Effective Date, and annually thereafter on the anniversary of the Delivery Date. Beginning on February 1, 2025, an additional one-time fee of \$12,642.41 will be invoiced.
- Annual Subscription Fees shall increase by 5% each year.

Services:

- Community Development: Advanced SaaS Subscription Cloud Setup Fee due upon the Effective Date.

- If applicable, non-fixed fee professional services shall be due as incurred on a time and materials basis. Non-fixed fee professional services are not included in the percentages outlined in the above Payment Schedule.
- If applicable, non-fixed fee travel expenses shall be due as incurred, invoiced monthly for the travel expenses of the preceding month. Non-fixed fee travel expenses are not included in the percentages outlined in the above Payment Schedule.
- If applicable, Fixed Fee travel expenses are included in the percentages outlined in the above Payment Schedule.

Hardware:

- If applicable, Non-subscription Hardware Fees are due on the Effective Date.

Licenses:

- If applicable, License Fees are due on the Delivery Date.

Support & Maintenance

- If applicable, Support & Maintenance Fees are due annually, starting prior to the first anniversary of the Delivery Date and annually thereafter.
- Annual Software Maintenance Fees shall increase by 5% each year.
- If applicable, legacy support and maintenance shall be due until the Delivery Date of the applicable replacement software. Any unused pre-paid support and maintenance shall be credited as a pro-rated amount towards the next applicable subscription software invoice due under this Agreement, or future invoice.

Third Party:

- If applicable, Third-Party Software Fees are due on the Effective Date. Third-Party software subscriptions and/or support fees shall be due annually thereafter on the anniversary of the Effective Date. Third-Party Software fees are subject to increase each year.
- If applicable, Third-Party Services shall be due 50% at Effective Date, 25% at completion of 1st End User Training Session, and 25% at Go Live.

Invoice Terms:

CentralSquare shall provide an invoice for the items in the schedule above no less than thirty (30) days prior to the due date.

Billing Information:

Fees will be payable within 30 days of invoicing.

ANCILLARY FEES

- Customer is responsible for paying all taxes relating to this Agreement. Applicable tax amounts (if any) are not included in the fees set forth in this Agreement. If Customer is exempt from the payment of any such taxes, Customer must provide CentralSquare valid proof of exemption; otherwise, CentralSquare will invoice Customer and Customer will pay to CentralSquare all such tax amounts.
- To the extent allowable by law, if Customer fails to make any payment when due, then CentralSquare may charge interest on the past due amount at the rate of 1.5% per month calculated daily and compounded monthly, or, if lower, the highest rate permitted under applicable law; and if such failure continues for 90 days following written notice thereof, CentralSquare may suspend performance or access until past due amounts have been paid.

EXHIBIT 2

Maintenance & Support

This Maintenance & Support Exhibit describes support and maintenance relating to technical support that CentralSquare will provide to Customer during the Term of the Agreement.

1. Product Updates and Releases

- 1.1. Software Version. "Software Version" means the base or core version of the Software that contains significant new features and significant fixes and is available to the Customer. Software Versions may occur as the Software architecture changes or as new technologies are developed. The nomenclature used for updates and upgrades consists of major, minor, build, and fix and these correspond to the following digit locations of a release, a,b,c,d. An example of which would be 7.4.1.3, where the 7 refers to the major release, the 4 refers to the minor release, the 1 refers to the build, and the 3 refers to a fix. All Software Versions are provided and included as part of this Agreement.
- 1.2. Updates. From time to time CentralSquare may develop permanent fixes or solutions to known problems or bugs in the Software and incorporate them in a formal "Update" to the Software. If Customer is receiving technical support from CentralSquare on the general release date for an Update, CentralSquare will provide the Customer with the Update and related Documentation at no extra charge. Updates for custom configurations will be agreed upon by the Parties and outlined in a Statement of Work or Change Order.
- 1.3. Releases. Customer shall agree to install and/or use any New or Major Release within one year of being made available by CentralSquare to avoid or mitigate a performance problem, ineligibility for Support and Maintenance Services or infringement claim. All modifications, revisions and updates to the Software shall be furnished by means of new Releases of the Software and shall be accompanied by updates to the Documentation whenever CentralSquare determines, in its sole discretion, that such updates are necessary.

2. Support

- 2.1. CentralSquare shall provide to Customer support via toll-free phone number 833-278-7877 or via the CentralSquare Support Portal. CentralSquare shall provide to Customer, commercially reasonable efforts in solving errors reported by the Customer as well as making available an online support portal. Customer shall provide to CentralSquare reasonably detailed documentation and explanation, together with underlying data, to substantiate errors and to assist CentralSquare in its efforts to diagnose, reproduce and correct the error. Should either Party not be able to locate the error root cause and Customer and CentralSquare agree that on-site services are necessary to diagnose or resolve the problem CentralSquare shall provide a travel estimate and estimated hours in order to diagnose the reported error.
- 2.2. If after traveling onsite to diagnose a reported error and such reported error did not, in fact, exist or was not attributable to a defect in the Software provided by CentralSquare or an act or omission of CentralSquare, then Customer shall pay for CentralSquare's investigation, travel, and related services in accordance with provided estimate. Customer must provide CentralSquare with such facilities, equipment and support as are reasonably necessary for CentralSquare to perform its obligations under this Exhibit, including remote access in accordance with the Remote Access Policy.

3. Online Support Portal

Online support is available via <https://support.centalsquare.com/s/contact-us>, offering Customer the ability to resolve its own problems with access to CentralSquare's most current information. Customer will need to enter its designated username and password to gain access to the technical support areas on CentralSquare's website. CentralSquare's technical support areas allow Customer to: (i) search an up-to-date knowledge base of technical support information, technical tips, and featured functions; and (ii) access answers to frequently asked questions (FAQ).

4. Exclusions from Technical Support Services

CentralSquare shall have no support obligations to provide Support or Maintenance for Solutions that are not kept current to one version prior to the then current version of the Solution. CentralSquare shall have no support obligations with respect to any third-party hardware or software product not licensed or sold to Customer by CentralSquare ("Nonqualified Product"). Customer shall be solely responsible for the compatibility and functioning of Nonqualified Products with the Software.

5. Customer Responsibilities

In connection with CentralSquare's provision of technical support as described herein, Customer acknowledges that Customer has the responsibility to do each of the following:

- 5.1 Provide hardware, operating system and browser software that meets technical specifications, as well as a fast, stable, high-speed connection and remote connectivity for accessing the Solution.
- 5.2 Maintain any applicable computer system and associated peripheral equipment in good working order in accordance with the manufacturers' specifications, and ensure that any problems reported to CentralSquare are not due to hardware malfunction;
- 5.3 For CentralSquare Solutions that are implemented on Customer Systems, maintain the designated operating system at the latest code revision level reasonably deemed necessary by CentralSquare for proper operation of the Software;
- 5.4 Supply CentralSquare with access to and use of all information and facilities reasonably determined to be necessary by CentralSquare to render the technical support described herein;

- 5.5 Perform any test or procedures reasonably recommended by CentralSquare for the purpose of identifying and/or resolving any problems;
- 5.6 At all times follow routine operator procedures as specified in the Documentation or any error correction guidelines of CentralSquare posted on the CentralSquare website;
- 5.7 Customer shall remain solely responsible at all times for the safeguarding of Customer's proprietary, confidential, and classified information contained within Customer Systems; and
- 5.8 Reasonably ensure that the Customer Systems are isolated and free from viruses and malicious code that could cause harm before requesting or receiving remote support assistance.

6. **Priorities and Support Response Matrix**

The following priority matrix relates to software errors covered by this Agreement. Causes secondary to non-covered causes - such as hardware, network, and third-party products - are not included in this priority matrix and are outside the scope of this Exhibit. CentralSquare will make commercially reasonable efforts to respond to Software incidents for live remote based production systems using the following guidelines:

Priority	Issue Definition	Response Time
Priority 1 – Urgent	The software is completely down and will not launch or function.	Priority 1 issues must be called in via 833-278-7877 and will be immediately answered and managed by the first available representative.
Priority 2 – Critical	A high-impact problem that disrupts the customer's operation but there is capacity to remain productive and maintain necessary operations.	Priority 2 issues must be called in via 833-278-7877 and will be immediately answered and managed by the first available representative.
Priority 3 – Non-Critical	A Software Error related to a user function which does not negatively impact the User from the use of the system. This includes system administrator functions or restriction of user workflow but does not significantly impact their job function.	Priority 3 issues called in via 833-278-7877 will be immediately answered and managed by the first available representative. Non-Critical Priority 3 issues may also be reported via Https://support.centalsquare.com/s/contact-us
Priority 4 – Minor	Cosmetic or documentation errors, including Customer technical questions or usability questions.	Priority 4 issues called in via 833-278-7877 will be immediately answered and managed by the first available representative. Minor Priority 4 issues may also be reported via Https://support.centalsquare.com/s/contact-us

7. **Exceptions.** CentralSquare shall not be responsible for failure to carry out its Support and Maintenance obligations under this Exhibit if the failure is caused by adverse impact due to:
 - 7.1. defectiveness of the Customer's Systems (including but not limited to environment, hardware or ancillary systems), or due to Customer corrupt, incomplete, or inaccurate data reported to the Solution, or documented defect.
 - 7.2. denial of reasonable access to Customer's System or premises preventing CentralSquare from addressing the issue.
 - 7.3. material changes made to the usage of the Solution by Customer where CentralSquare has not agreed to such changes in advance and in writing or the modification or alteration, in any way, by Customer or its subcontractors, of communications links necessary to the proper performance of the Solution.
 - 7.4. a Force Majeure event (as outlined in Section 12), or the negligence, intentional acts, or omissions of Customer or its agents.
8. **Incident Resolution.** Actual response times and resolutions may vary due to issue complexity and priority. For critical impact level and above, CentralSquare provides a continuous resolution effort until the issue is resolved. CentralSquare will make commercially reasonable efforts to resolve Software incidents for live remote based production systems using the following guidelines:

Priority	Resolution Process	Resolution Time
Priority 1 – Urgent	CentralSquare will provide a procedural or configuration workaround or a code correction that allows the Customer to resume live operations on the production System.	CentralSquare will work continuously to provide the Customer with a solution that allows the Customer to resume live operations on the production system. CentralSquare will either resolve the issue or provide a resolution plan as soon as possible and not later than twenty-four (24) hours after notification.
Priority 2 – Critical	CentralSquare will provide a procedural or configuration workaround or a code correction that allows the Customer to resume normal operations on the production System.	CentralSquare will work continuously to provide the Customer with a solution that allows the Customer to resume normal operations on the production System. CentralSquare will either resolve the issue or provide a resolution plan as soon as possible and not later than thirty-six (36) hours after notification.
Priority 3 – Non – Critical	CentralSquare will provide a procedural or configuration workaround that allows the Customer to resolve the problem.	CentralSquare will work to provide the Customer with a resolution which may include a workaround or code correction within a timeframe that takes into consideration the impact of the issue on the Customer and CentralSquare's User base. Priority 3 issues have priority scheduling in a subsequent release.
Priority 4 – Minor	If CentralSquare determines that a reported Minor Priority error requires a code correction, such issues will be addressed in a subsequent release when applicable.	CentralSquare will work to provide the Customer with a resolution which may include a workaround or code correction in a future release of the software. Priority 4 issues have no defined resolution time.

- 9. Non-Production Environments.** CentralSquare will make commercially reasonable efforts to provide fixes to non-production environment(s). Non-production environments are not included under the response or resolution tables provided in this Exhibit.
- 9.1. Maintenance. All non-production environment resolution processes will follow the structure and schedules outlined above for production environments.
- 9.2. Incidents and service requests. Non-production environment incidents are considered priority 3 or 4, dictated by circumstances and will be prioritized and scheduled subordinate to production environment service requests.
- 10. Training.** Outside the scope of training services purchased, if any, Customer is responsible for the training and organization of its staff in the operation of the Software.
- 11. Development Work.** Software support and maintenance does not include development work either (i) on software not licensed from CentralSquare or (ii) development work for enhancements or features that are outside the documented functionality of the Software, except such work as may be specifically purchased and outlined in the Agreement. CentralSquare retains all intellectual property rights in development work performed and Customer may request consulting and development work from CentralSquare as a separate billable service.
- 12. Technology Life Expectancy.** Customer understands, acknowledges and agrees that the technology upon which the Hardware, Solution and Third-Party Software is based changes rapidly. Customer further acknowledges that CentralSquare will continue to improve the functionality and features of the Solution to improve legal compliance, accuracy, functionality and usability. As a result, CentralSquare does not represent or warrant that the Hardware, Solution and/or Third-Party Software provided to Customer under this Agreement or that the Customer Systems recommended by CentralSquare will function for an indefinite period of time. Rather, CentralSquare and Customer may, from time to time, analyze the functionality of the Hardware, Solution, Third-Party Software and Customer Systems in response to changes to determine whether Customer must upgrade the same. Customer upgrades may include without limitation, the installation of a new Release, additional disk storage and memory, and workstation and/or server upgrades. Customer upgrades may also include the installation and/or removal of Third-Party Software. Customer is solely responsible for all costs associated with future resources and upgrades.

EXHIBIT 3
CentralSquare Access Management Policy

In order to provide secure, federally compliant connections to agency systems CentralSquare Technologies ("CentralSquare") requires BeyondTrust or SecureLink as the only approved methodology of connection. BeyondTrust and Securelink provide the necessary remote access in order to service and maintain CentralSquare products while adhering to the Federal Bureau of Investigations Criminal Justice Information Services requirements. Both solutions utilize two-factor authentication Federal Information Processing Standard Publication ("FIPS") 140-2 validated cryptographic modules and AES encryption in 256-bit strengths.

BeyondTrust and Securelink are addressed in turn via this Access Management Policy; Customers may choose which remote privileged access management solution will be utilized by CentralSquare.

BeyondTrust

The BeyondTrust remote support solution may be utilized via escorted session or a jump Customer. As for an escorted session, when an agency needs assistance from CentralSquare, the agency employee requesting assistance will receive verbal or email communication with a session key necessary to enable remote access. If a verbal key is provided, the user enters the session key after visiting <https://securesupport.centalsquare.com>.

Jump Customers are a Windows service that can be stopped/started to facilitate a support session. Connections made via jump Customer can be active or passive. An active jump Customer is always available. A passive connection is enabled for a specific purpose and then disabled when not used. Regardless of the option selected, CentralSquare's support team will arrange a BeyondTrust session to establish the jump Customer.

The jump Customer resides on the agency side on the installed device, where an agency administrator can manage. Instructions on how to enable/disable jump Customers can be provided upon request. A sample workflow of a passive jump Customer is provided below:

Should an agency require support from CentralSquare, a call would be placed and/or a support ticket opened in the portal on the CentralSquare customer support website. Before accessing the agency's system and/or environment, the CentralSquare representative would send a notice of connection from the CentralSquare support portal instance. This notice can be sent to the individual at the agency that the CentralSquare representative is working with or other designated contacts as necessary. Upon receipt of the notice of connection, the agency personnel would enable the BeyondTrust jump Customer. The CentralSquare representative would then be admitted to the agency's system and/or environment to perform the necessary task. Upon completion of the task, the CentralSquare representative sends a notice of disconnection from the CentralSquare support portal instance. Upon receipt of the notice of disconnection, the agency personnel would then disable the BeyondTrust jump Customer.

Securelink

Similar to BeyondTrust's escorted session, Securelink may be utilized via "quick connect". To enable a quick connect session when an agency needs assistance from CentralSquare, the Agency employee requesting assistance will enter a key code in order to connect for screen sharing on a device.

Similar to the jump Customer methodology, SecureLink may also be utilized via "gatekeeper". The sample workflow description for a jump Customer provided above is substantially similar to the workflow for gatekeeper.

Summation

BeyondTrust and Securelink allow customers the ability to monitor connectivity to the customer's network and maintain CJIS compliance while enabling CentralSquare to perform the necessary support functions.

EXHIBIT 4
Certificate of Insurance (Evidence of Coverage)



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
09/01/2023

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

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

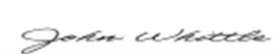
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INSURED CentralSquare Technologies, LLC 1000 Business Center Drive Lake Mary, FL 32746		<table border="1"> <thead> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A : The Charter Oak Fire Insurance Co.</td> <td>25615</td> </tr> <tr> <td>INSURER B : Phoenix Insurance Company</td> <td>25623</td> </tr> <tr> <td>INSURER C : Travelers Property Casualty Company Of America</td> <td>25674</td> </tr> <tr> <td>INSURER D : Travelers Casualty And Surety Company</td> <td>19038</td> </tr> <tr> <td>INSURER E : AIG Specialty Insurance Company</td> <td>26883</td> </tr> <tr> <td>INSURER F :</td> <td></td> </tr> </tbody> </table>		INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A : The Charter Oak Fire Insurance Co.	25615	INSURER B : Phoenix Insurance Company	25623	INSURER C : Travelers Property Casualty Company Of America	25674	INSURER D : Travelers Casualty And Surety Company	19038	INSURER E : AIG Specialty Insurance Company	26883	INSURER F :	
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COVERAGES **CERTIFICATE NUMBER:** ATL-005494481-01 **REVISION NUMBER:** 0

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

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

CERTIFICATE HOLDER CentralSquare Technologies LLC 1000 Business Center Drive Lake Mary, FL 32746	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE of Marsh USA LLC 
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ACORD 25 (2016/03)

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EXHIBIT 5-A
Statement of Work

Project: Bentonville, AR - Community Dev Cloud Modernization

The parties mutually agree and acknowledge this Summary of Services is a high-level overview of the project requested, not a detailed requirements or design of solution.

Project Scheduling

Parties agree a schedule will be provided for services within sixty (60) days from the execution of the above quote number.

Change Requests

The parties may request a change to this summary of services, to increase hours or deliverables, through a written request to the CentralSquare project manager or resource.

Professional Services

Throughout the course of the project, CentralSquare will use several types of services (defined herein) to complete the necessary steps for successful deployment of the contracted services. The overall services aligned to implementation include Project Management, Consulting Services, Technical Services, Data Conversion Services, Training Services, and in some cases, Installation Services.

Business Hours

All project services will be performed during normal business hours, defined as 8:00-5:00 PM Eastern Time. If Client desires to perform the services outside of these hours, additional fees will apply.

CentralSquare Connectivity to On-Premise Systems

The BeyondTrust/Bomgar and/or SecureLink remote support solutions shall be the method of remote access to on-premises customer systems and/or data. These solutions meet all requirements as contained in Section 5.5.6 of the FBI CJIS Security Policy (Remote Access). Use of either of these solutions enable customer agencies to remain CJIS compliant for purposes of FBI and/or state regulatory agency audits.

In addition to the above, the PSJ ProSuite application utilizes SSH connectivity to maintain a persistent connection to the appliance/s. The 911 application utilizes Kaseya for application and/or support needs. These solutions are only utilized for these specific applications in addition to Bomgar and/or SecureLink.

Services Scope of Project

The project includes the following scope of services:

A CentralSquare technical resource will install the same version of the Community Development software that is in the client's production environment onto the Cloud environment and migrate the client's database to same environment. A data conversion resource will reschedule client's Land Update (GTUR) & Financial Export Jobs. A GIS consultant will migrate the current environment and alter/rewrite the Python scripts as needed. Once Client has officially switched over to new environment, CentralSquare will create a test environment. Scope includes project

management for client communications. All services listed herein are being provided remotely. No training, consulting or configuration changes or any other services not specifically listed, are included in this scope.

The client's production environment should be upgraded to latest version / hotfix of Community Development on premise before CentralSquare begins the server migration to the cloud environment. The client will need to put in a help desk ticket to have their test environment upgraded to the latest version of Community Development. After thoroughly testing this upgrade, the production environment can be upgraded and then moved to cloud.

EXHIBIT 5-B
Statement of Work

Bentonville, AR – NaviLine Cloud Modernization

This document is the Statement of Work (SOW) for services related to an On-Premise to CentralSquare Cloud Migration as identified in the Order (the "Agreement") for Bentonville, AR ("Customer"). CentralSquare Technologies, LLC ("CentralSquare") will provide the services identified in the Agreement as further described in this SOW to assist the Customer in migrating the CentralSquare software from an On-Premise solution, within the Customer's network to a solution hosted in CentralSquare's Cloud data center. The specifics of the component systems are identified in the Software License and Services Agreement (the Agreement). This SOW is incorporated into the Agreement.

This SOW is intended to be a planning and control document and not the detailed requirements or design of the solution.

The Deliverables listed herein are considered requirements of the project and have an assigned lead which has been noted in the table below and may be updated from time-to-time during project progress meetings. Any such changes shall not alter the intent of the contract.

Project Overview

The customer has contracted for premise-based CentralSquare NaviLine Public Administration applications to be migrated into the CentralSquare Cloud.

Duties and Responsibilities of Customer

- Provide primary project contact to work directly with the CentralSquare Project Manager
- Provide network information where necessary to set up a VPN for secure data access
- Work with 3rd party software vendors to secure proper licensing for non-CentralSquare applications included in this agreement to be hosted in the CentralSquare Cloud
- Test Cloud environment to ensure critical processes function as expected. These include, but are not limited to:
 - Security
 - Interfaces from Third Party systems
 - Payroll
 - Accounts Payable
 - General Ledger Posting
 - Reporting
 - Workflow

Duties and Responsibilities of CentralSquare

- A project manager will be assigned after contract execution who will serve as the primary CentralSquare contact for the project and facilitate the implementation of your Cloud environment
 - Provide an environment in the CentralSquare cloud with the software licensed as detailed in this Agreement
 - Maintain the environment to ensure all software is compliant with the CentralSquare requirements including
 - Current software version upgrades for CentralSquare applications
 - Current operating system versions and patches
 - Current networking security
-

- Confirm any 3rd party software to be hosted is currently supported by the software vendor
- Provide 24/7/365 monitoring of the environment along with proactive troubleshooting

Stages and Milestones

1. Project Kickoff Meeting
2. Review Meetings with Customer/Project Team
3. Configuration and Installation of VPN
 - VPN RFI
 - Technical call with Network teams
 - Initial Configuration and shipment of the VPN appliance
 - VPN racked and connected by customer
 - Final Configuration and connectivity testing of VPN
4. Provision Server Environment
5. Application Installation
6. Setup User Environment / Data Seeding from premise environment
7. Initial Testing
8. Mock Migration
9. Acceptance Testing
10. Go-Live Testing /Go Live
11. Configure Additional Environment(s)

Change Requests and Changes to this Statement of Work

The Customer and CentralSquare may request a change to this scope of work by following the process outlined in this section.

Either party may request changes in scope. The parties honor such a request only if it becomes a formal Change Order.

The change order will provide sufficient detail including the following.

- Detailed description of resources (both Customer and CentralSquare) required to perform the change
- Specifications if applicable
- Implementation Plans
- Schedule for completion
- Verification and Approval criteria
- Impact on current milestones and payment schedule
- Additional milestones (if applicable)
- Impact on project goals and objectives
- Price

Either CentralSquare or Customer management may propose a change by submittal of a Change Request to the other party. The other party has five (5) business days (or as mutually agreed upon) to determine agreement to the Change Request. If both parties agree to the Change Request, the change will become a Change Order documented and signed by both parties. If agreement to pursue a Change Order does not occur in five (5) business days of the initiation of the Change Request (or as mutually agreed upon), it is assumed that the Change Request has been rejected and any remaining issues will be identified on the Issues Log and/or follow the Dispute Resolution process below.

Dispute Resolution Procedures

The Customer and CentralSquare should anticipate challenging issues to arise throughout the implementation process due to the complex magnitude of this project. In order for challenging issues to be remedied in a timely fashion, the Customer and CentralSquare will utilize the following Dispute Resolution Procedure

All communication regarding the project should be directed to CentralSquare and Customer's Project Manager in order to maintain consistent communication between the parties. Scheduled weekly calls/meetings will be maintained between the CentralSquare Project Manager and the Customer's Project Team (including the Customer's Project Manager).

All issues or concerns will be discussed actively and openly between CentralSquare's Project Manager and the Customer's Project Manager. If issues begin to interfere with the progression of the implementation project, the Customer and/or CentralSquare should escalate to CentralSquare management.

NaviLine Specific Responsibilities and Deliverables

The responsibilities and deliverables for CentralSquare and the Customer for NaviLine Cloud migrations are addressed in this section.

CentralSquare responsibilities and deliverables

Networking

- Provide VPN RFI (Request For Information) to assist with configuration of VPN device provided to facilitate communication between Customer and CentralSquare data centers
- Provide VPN router / firewall for installation on customer network for connectivity to Cloud systems
- Configure VPN / firewall rules for inbound access to Cloud Systems, outbound access to Customer premise systems
- Provide NATs/PATs for any premise systems or printers that require access from Cloud systems

NaviLine v9.1 IBMi systems

- Set up Cloud IBMi VM (dedicated or shared environment) to support NaviLine
 - Provide lists from current Premise IBMi premise system, with recommendations for migration to Cloud IBMi for:
 - User profiles
 - Printers, remote output queues and any associated workstation customization objects
 - Libraries
 - QDLS folders & IFS directories, including file shares, where applicable
 - Job scheduler entries
 - System values
 - System reply list entries
 - Create new objects, based on lists provided
 - User profiles, printers, and remote output queues via standards for Cloud IBMi systems
 - Optionally copy initial programs prior to migration
 - Optionally copy reports from select output queues after migration
 - Copy / set up existing objects from Premise IBMi to Cloud IBMi, based on lists provided
 - Libraries, QDLS folders, and IFS directories
 - Set up file shares
 - Merge job schedule entries, system values, and system reply list entries
 - Review TCPIP configuration and add to Cloud VM, as necessary, for:
 - Host table entries (including those for QNTC connections, if any)
 - Specific Routes
 - Application specific attributes
 - Load existing third party applications associated with NaviLine, where applicable such as:
 - Axes & LongRange for Mobiles
 - DataGate for DMS
 - Jacada for NaviLine Java UI
 - Profound for NaviLine HTML5 UI
 - XML4RPG for Web Enablement
 - Assist with migration/Installation of additional third party applications to be migrated
 - Verify job queue entries for batch work management
-

- Review initial list of test users to verify access to Cloud systems prior to turnover for testing
- Provide Testing Guidelines document to assist customer in developing a test plan
- Support testing efforts, escalating to Application Support, as necessary
- Perform Mock Go Live, refreshing data from lists above, as necessary
- Jointly develop Go Live Plan with customer

Click2Gov v3 Windows systems

- Set up Cloud Windows VM to support Click2Gov
- Copy configurations from existing C2G system on Premise to Cloud VM
- Provide steps for configuring Point of Sale workstations to point to Cloud IBMi VM
- Provide Customer steps for transitioning C2G services from premise to Cloud VM

Cognos v10/11 Windows systems

- Set up Cloud Windows VM to support Cognos
- Export of custom reports/report templates created on Premise system by users
- Import custom reports/report templates to Cloud VM

Go Live Support

- Perform Go Live, refreshing data from lists above, as necessary
- Prepare Cloud systems for access, per Go Live Plan
- Execute CentralSquare steps for transitioning C2G services from Premise to Cloud

Post Go Live activities

- Provide Post-Go Live Support for one week, prior to turnover to Application Support
- Create test environment from a copy of production 30 days post-go live, if applicable
- Test environment data refreshes: once a client is live in cloud data center, the client may request up to two test environment data refreshes per year if the client is current on their support agreement. Additional data refreshes are available at a cost and a quote will be provided if requested.

Customer responsibilities and deliverables

Networking

- Complete VPN RFI document supplied by CentralSquare
- Assist with installation of CentralSquare provided VPN router/firewall
Note: If customer equipment will be used in place of CentralSquare, customer is responsible for configuration of their equipment
- Update network routing to direct traffic destined for the Cloud systems to route over the VPN

NaviLine systems

- Review lists provided above and supply feedback on what to migrate to Cloud systems

Click2Gov systems

- Provide access to enable extraction of current configurations from premise system
- Execute Customer steps for transitioning C2G services from Premise to Cloud

Cognos systems

- Provide access to enable extraction of current configurations from premise system
- Identify any non-standard locations for user reports/templates

HR.NET

- ~~Configure individual installs of HR.NET (on the workstations) to point to Cloud IBMi VM~~

DMS

- Configure new Windows server or instance to point to Cloud IBMi VM
Optionally, retain existing DMS server, but arrange for testing windows to point existing DMS to Cloud IBMi

Customer Owned Third Party Applications

- Identify any third party applications that will be migrated to Cloud systems such as; ACOM, OptiSpool, Quatred, etc.
- Arrange for license acquisition/transfer to Cloud systems
- Coordinate the migration of these applications from Premise to Cloud, as needed

Interfaces and File Transfers

- Identify all interfaces and file transfers to/from current Premise IBMi

Testing

- Develop test plan for testing applications on Cloud systems
- Coordinate with customer test teams to execute test plan
 - Include all printers, third party applications, interfaces, and file transfers
- Provide signoff for testing efforts at least one week prior to Go Live
- Jointly develop Go Live Plan with CentralSquare

Go Live Support

- Prepare on Premise NaviLine solution for migration
 - Complete payment processing, bill runs, etc.
 - Disable access to premise NaviLine
- Assist CentralSquare with data refresh as needed
Arrange for overnight tape shipment to CentralSquare data center, if applicable
- Provide resources over Go Live weekend to validate the Cloud systems as operational
 - Run balancing reports
 - Verify access, printing, and other identified critical business processes
- Perform any changes on premise to support the migration to Cloud systems
 - Update desktop software suites, shortcuts, etc.
 - Update interfaces to point to Cloud systems
 - Execute Customer steps for transitioning C2G services from premise to Cloud
 - Copy DMS documents from old server to new server; or point current DMS server to Cloud IBMi

EXHIBIT 6
Intentionally Omitted

EXHIBIT 7
Service Level Commitments

1. Service Level Commitments

- A. **Availability.** During any calendar month, the availability of the Solution shall be no less than 99.9%, excluding scheduled maintenance. CentralSquare shall provide Customer with prompt notification as soon as it becomes aware of any actual or potential unscheduled downtime of the Solution, as well as continual periodic updates during the unscheduled downtime regarding CentralSquare's progress in remedying the unavailability and estimated time at which the Solution shall be available.
- B. **Measurement.** Service availability is measured as the total time that the solutions are available during each calendar month for access by Customer ("Service Availability"). Service Availability measurement shall be applied to the production environment only, and the points of measurement for all monitoring shall be the servers and the internet connections at CentralSquare's hosted environment.
- C. **Calculation.** Service availability for a given month shall be calculated using the following calculation:
- I. The total number of minutes which the service was not available in a given month shall be subtracted from the total number of minutes available in the given month. The resulting figure is divided by the total number of minutes available in the given month.
 - II. Service availability targets are subject to change due to the variance of the number of days in a month.
 - III. The total number of minutes which the service was not available in a given month shall exclude minutes associated with scheduled or emergency maintenance.
- D. **Remedy.** If the service period target measurement is not met, then the customer shall be entitled to a credit calculated as follows:

Service availability	Credit percentage
Less than 99.9% but greater than or equal to 99.0%	5%
Less than 99.0% but greater than or equal to 95.0%	10%
Less than 95%	20%

Service Availability in the relevant Service Period	Percentage Reduction in Monthly Fee for the Subsequent Service Period
Less than 99.9% but greater than or equal to 99.0%	5%
Less than 99.0% but greater than or equal to 95.0%	10%
Less than 95%	20%

- E. Credit must be requested by the customer within sixty (60) days of the failed target. Any credit awarded shall be applied to the next applicable invoice. Customer shall not be eligible for credits where customer is more than thirty (30) days past due on their account.
2. **Server Performance & Capacity.** The standard provisioning of storage for the cloud solutions is 1 terabyte. If Customer requests to add additional Software, increase storage or processing requirements, and/or request additional environments, these requests will be evaluated and if additional resources are required to support modifications, additional fees may apply at per unit (gigabyte, hour, license, etc).
3. **Non-Production Environments.** Included in the subscription fee is access to the training environment during the hours of 8:00am – 4:00pm EST, Monday through Friday. Should the Customer require extended access for items such as internal training, CentralSquare can make exceptions provided that Customer provide reasonable advance written notice. CentralSquare will then work with the Customer to enable access in accordance with an agreed upon schedule.

EXHIBIT 8
Intentionally Omitted

EXHIBIT 9
Intentionally Omitted

RESOLUTION NO. _____

**A RESOLUTION AUTHORIZING THE MAYOR AND THE CITY CLERK
TO ENTER INTO AN AGREEMENT WITH CENTRALSQUARE
TECHNOLOGIES, LLC, FOR CLOUD MIGRATION SERVICES, IN AN
AMOUNT NOT TO EXCEED THREE HUNDRED FIVE THOUSAND
EIGHT HUNDRED EIGHT DOLLARS AND NINETY-TWO CENTS
(\$305,808.92); ADJUSTING THE 2024 BUDGET TO APPROPRIATE
BUDGETED FUNDS INTO CORRECT EXPENSE ACCOUNTS; AND FOR
OTHER PURPOSES.**

WHEREAS, CentralSquare Technologies is the current vendor of two key software programs utilized by the City, TraKIT and Naviline;

WHEREAS, migrating TraKIT to the cloud is currently included in the 2024 budget;

WHEREAS, migrating Naviline to the cloud was not planned; however, doing so at this time incurs certain incentives;

WHEREAS, funds were budgeted to update physical hardware for Naviline which will no longer be needed due to the cloud migration, making these funds available for the cloud migration instead;

WHEREAS, CentralSquare Technologies, LLC is the only available provider of cloud migration services for these software programs making it a single source item not subject to the bid process;

WHEREAS, no additional funding is requested for this agreement.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF BENTONVILLE, ARKANSAS THAT:

Section 1: The Mayor and City Clerk are hereby authorized to enter into an agreement with CentralSquare Technologies, LLC, for cloud migration services, in an amount not to exceed three hundred five thousand eight hundred eight dollars and ninety-two cents (\$305,808.92);

Section 2: The 2024 Budget is hereby adjusted to appropriate budgeted funds, in the amount of twenty-nine thousand five hundred dollars (\$29,500.00) from Account #101010-47520 – Computer Equipment into Account #101010-43310 – Technical/Data Processing;

Section 3: The 2024 Budget is further adjusted to appropriate budgeted funds, in the amount of twenty-nine thousand five hundred dollars (\$29,500.00) from Account #503530-47520 – Computer Equipment into Account #503530-43310 – Technical/Data Processing;

Section 4 - Severability Provision: If any part of this Resolution is held invalid, the remainder of this Resolution shall continue in effect as if such invalid portion never existed; and

Section 5 - Repeal of Conflicting Resolutions: All Ordinances, Resolutions, or Orders of the City Council, or parts of the same, in conflict with this Resolution are repealed to the extent of such conflict.

PASSED and APPROVED this ____ day of _____, 2024.

APPROVED:

STEPHANIE ORMAN, Mayor

ATTEST:

KIRBY ROMINES, City Clerk



City of Bentonville, Arkansas Agenda Item Form

Item Details

Council Meeting Date:	1/23/2024	Submitted By:	Dennis Hayes
Phone:	479-271-3127	For Department(s):	IT / Police
Email:	dhayes@bentonvillear.com		

Item Type (Check all that apply)

☐ Informational	☐ Bid Award	☐ Enter into an Agreement	☐ Change Order
☐ Recognizing Funds	☐ Budget Adjustment	☐ Waiver of Bid	☐ Emergency Clause
☐ Ordinance	☒ Resolution	☐ Informational	

Title, Recommendation & Justification

Title:	Resolution entering into an Agreement for Battery & Battery Backup Replacement
Action Recommendation & Justification:	Authorizing an agreement with Heartland Business Systems for battery and battery backup replacement through participation in TIPS Contract #220105. No budget adjustment is needed.
Additional Comments for Consideration (Optional):	This replaces equipment going out of support and will ensure we have adequate battery backup for Police department dispatch and systems. Use of a purchasing cooperative is allowed pursuant to Arkansas State Statute 19-11-249 as the awarded contract has already gone through a competitive bid process. Participation in a Co-Op contract is allowed after Purchasing has determined that the solicitation is in line with the City's Purchasing Policy.
Amount for Approval:	\$ 38,733.43

Budget Impact

Is this Item Budgeted? ☒ YES ☐ NO ☐ ITEM HAS NO COST ☐ OTHER: _____

Budget Adjustment (to be completed by Finance when applicable)

Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue

Fund(s) Impacted

(check all that apply)

☒ General Fund ☐ Utility Fund ☐ Street Fund ☐ Other(s): _____

Budget Impact Notes for Consideration (Optional):

City of Bentonville, Arkansas

City Hall

305 SW A Street Bentonville, AR 72712

www.bentonvillear.com

Please Recycle!

Page 43 of 254

Battery Replacement

Quote #320829 v3

Prepared For:
Bentonville, City of
 Don Chase
 1000 SW 14th Street
 Bentonville, AR 72712

P: (479) 271-3127

E: don.chase@bentonville.arkansas.gov

Prepared By:
Fayetteville, AR Office
 Jennifer Bricker
 3775 N Mall Ave Suite 4
 Fayetteville, AR 72703

P: 4793326945

E: jbricker@hbs.net

Date Issued:
01.16.2024
Expires:
02.09.2024

Battery Replacement		Price	Qty	Ext. Price
WMBRS2-MB-T9B4	APC by Schneider Electric - Service - On-site - Modular Battery Replacement Service (MBRS): Includes the new batteries, installation of the new batteries and proper disposal/recycling of the existing batteries to be performed during normal business hours	\$6,563.17	1	\$6,563.17
WMBRS9-MB-T9B4	APC by Schneider Electric - Service - On-site - Modular Battery Replacement Service (MBRS): Includes the new batteries, installation of the new batteries and proper disposal/recycling of the existing batteries to be performed during normal business hours	\$26,732.20	1	\$26,732.20
744-A1974	Eaton Internal Replacement Battery Cartridge (RBC) for Select 5kVA to 6kVA 9PX UPS Systems and EBMs	\$606.58	2	\$1,213.16
Subtotal				\$34,508.53

TIPS	Price	Qty	Ext. Price
TIPS Contract #220105			

Shipping	Price	Qty	Ext. Price
HBS-SHIPPING- SHIPPING PO	\$864.48	1	\$864.48
Subtotal			\$864.48

Quote Summary	Amount
Battery Replacement	\$34,508.53
Subtotal:	\$34,508.53
Shipping:	\$864.48
Estimated Tax:	\$3,360.42
Total:	\$38,733.43

This quote may not include applicable sales tax, shipping, handling and/or delivery charges. Final applicable sales tax, shipping, handling and/or delivery charges are calculated and applied at invoice. The above prices are for hardware/software only, and do not include delivery, setup or installation by Heartland ("HBS") unless otherwise noted. Installation by HBS is available at our regular hourly rates, or pursuant to a prepaid HBSFlex Agreement. This configuration is presented for convenience only. HBS is not responsible for typographical or other errors/omissions regarding prices or other information. Prices and configurations are subject to change without notice. HBS may modify or cancel this quote if the pricing is impacted by a tariff. A 15% restocking fee will be charged on any returned part. Customer is responsible for all costs associated with return of product and a \$25.00 processing fee. No returns, cancellations or order changes are accepted by HBS without prior written approval. This quote expressly limits acceptance to the terms of this quote, and HBS disclaims any additional terms. Customer may issue a purchase order for administrative purposes only. By providing your "E-Signature," you acknowledge that your electronic signature is the legal equivalent of your manual signature, and you warrant that you have express authority to execute this agreement and legally bind your organization to this proposal and all attached documents. Any purchase that the customer makes from HBS is governed by HBS' Standard Terms and Conditions ("ST&Cs") located at <http://www.hbs.net/standard-terms-and-conditions>, which are incorporated herein by reference. The ST&Cs are subject to change. When a new order is placed, the ST&Cs on the above-stated website at that time shall apply. If customer has signed HBS' ST&Cs version 2020.v1.0 or later, or the parties have executed a current master services agreement, the signed agreement shall supersede the version on the website. Certain purchases also require customer to be bound by end user terms and conditions. A list of end user terms and conditions related to various manufacturers and vendors is set forth at <https://www.hbs.net/End-User-Agreements>. Any purchase that customer makes is also governed by the applicable end user terms and conditions, which are incorporated herein by reference. If customer has questions about whether end user terms and conditions apply to a purchase, customer shall contact HBS. Any order(s) that exceeds the credit limit assigned by HBS shall require upfront payment from customer in an amount determined by HBS. HBS shall make this determination at the time of the order, unless customer has previously submitted the required onboarding paperwork. In such event, HBS shall make this determination at the time of quoting. Customer shall ensure that all invoices are timely paid as stated in Section 2 of the ST&Cs, regardless of whether Customer has a financing or leasing company or other third-party issue the purchase order. In the event that a third-party issues the purchase order, Customer shall be required to sign this Quote for purposes of approving the order. QT.2023.v2.0

Acceptance

Fayetteville, AR Office

Bentonville, City of

Signature / Name

01/16/2024

Date

Signature / Name

Initials

Date

RESOLUTION NO. _____

A RESOLUTION AUTHORIZING THE MAYOR AND CITY CLERK TO ENTER INTO AN AGREEMENT WITH HEARTLAND BUSINESS SYSTEMS, LLC, FOR BATTERY AND BATTERY BACKUP REPLACEMENT, IN AN AMOUNT NOT TO EXCEED THIRTY-EIGHT THOUSAND SEVEN HUNDRED THIRTY-THREE DOLLARS AND FORTY-THREE CENTS (\$38,733.43); AND FOR OTHER PURPOSES.

WHEREAS, the City of Bentonville Information Technology Department requests to enter into an agreement with Heartland Business Systems, LLC to replace battery and battery backups for the Bentonville Police Department;

WHEREAS, the City procures this service under The Interlocal Purchasing System (TIPS) contract #220105 which has been approved by the Purchasing Manager; and

WHEREAS, this is a budgeted item.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL FOR THE CITY OF BENTONVILLE, ARKANSAS.

Section 1: That the Mayor and City Clerk are hereby authorized to enter into an agreement with Heartland Business Systems, LLC for the purchase of battery and battery backup replacements, in an amount not to exceed thirty-eight thousand seven hundred thirty-three dollars and forty-three cents (\$38,733.43);

Section 2: Due to this purchase being procured under TIPS contract which has already been bid and is allowable by State law and the City's Purchasing Policy, the requirements of competitive bidding do not apply;

Section 3 - Severability Provision: If any part of this Resolution is held invalid, the remainder of this Resolution shall continue in effect as if such invalid portion never existed; and

Section 4 - Repeal of Conflicting Provisions: All Ordinances, Resolutions, or Orders of the City Council, or parts of the same, in conflict with this Resolution are repealed to the extent of such conflict.

PASSED and APPROVED this _____ day of _____, 2024.

APPROVED:

STEPHANIE ORMAN, Mayor

ATTEST:

KIRBY ROMINES, City Clerk



City of Bentonville, Arkansas Agenda Item Form

Item Details

Council Meeting Date:	2/13/2024	Submitted By:	Justin Scantlin
Phone:	479-271-5927	For Department(s):	Fire
Email:	jscantlin@bentonvillear.com		

Item Type (Check all that apply)

☐ Informational	☐ Bid Award	☒ Enter into an Agreement	☐ Change Order
☐ Recognizing Funds	☐ Budget Adjustment	☐ Waiver of Bid	☐ Emergency Clause
☐ Ordinance	☒ Resolution	☐ Informational	

Title, Recommendation & Justification

Title:	Resolution entering into an Agreement for Firefighter Leadership Training Program
Action Recommendation & Justification:	Fire Dept. staff requests approval of an agreement with 1Smartlife LLC. to provide the Bentonville Fire Department with leadership training. No budget adjustment is needed.
Additional Comments for Consideration (Optional):	We have utilized this service over the last couple of years getting all of our Officer's trained with the Brave Fire Leader Level II. We are now expanding the program to include FF's that want to be future leaders of our department. In the last couple of years we have had two different leadership services. Moving to one will improve consistency and efficiency. City Council previously declared safety and security specific specialized training a professional service not subject to bid.
Amount for Approval:	\$ 37,930.00

Budget Impact

Is this Item Budgeted? ☒ YES ☐ NO ☐ ITEM HAS NO COST ☐ OTHER: _____

Budget Adjustment (to be completed by Finance when applicable)

Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue

Fund(s) Impacted

(check all that apply)

☐ General Fund ☐ Utility Fund ☐ Street Fund ☐ Other(s): _____

Budget Impact Notes for Consideration (Optional):

City of Bentonville, Arkansas

City Hall

305 SW A Street Bentonville, AR 72712

Brave Fire Leader

INVOICE

Date: January 16, 2024

Attention: Accounts Payable

Submit Payment to:

1SmartLife, LLC

1700 Fairbanks Road

Cary, NC 27513

Invoice Number: 24-0116

Terms: 30 Days

DESCRIPTION	ATTENDEES	UNIT PRICE	TOTAL COST
Brave Fire Leader Online Leadership Academy-Cohort, Level I	20		\$25,355
Brave Fire Leader Online Leadership Academy-Self Paced, Level I & II (up to 5 attendees)	5		
Coaching & Mentoring Sessions 15 sessions for 30 minutes each			
Workshop Sessions using Zoom (1.5 - 2 hrs) 3 custom sessions for the year			
MBTI Assessment (up to 40 online tests)			
Department Survey (Up to 3 for the year)			
3-Day Live/In-Person Training in Bentonville			\$12,575
		Due =	\$37,930

RESOLUTION NO. _____

A RESOLUTION ALLOWING THE MAYOR AND CITY CLERK TO ENTER INTO AN AGREEMENT WITH 1SMARTLIFE LLC., IN THE AMOUNT OF THIRTY-SEVEN THOUSAND NINE HUNDRED THIRTY DOLLARS (\$37,930.00), FOR LEADERSHIP TRAINING; AND FOR OTHER PURPOSES.

WHEREAS, Bentonville Fire Department Staff is recommending City Council to authorize the Mayor and City Clerk to enter into an agreement with 1Smartlife Inc. to provide the Bentonville Fire Department with leadership training;

WHEREAS, this agreement will provide coaching and mentoring, Zoom based live instruction, surveys, and an in-person class with each shift; and

WHEREAS, this is a budgeted item.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF BENTONVILLE, ARKANSAS THAT:

Section 1: The Mayor and City Clerk are authorized to enter into an agreement with 1Smartlife LLC., to provide leadership training for Bentonville Fire Department Personnel, in an amount not to exceed thirty-seven thousand nine hundred thirty dollars (\$37,930.00);

Section 2 - Severability Provision: If any part of this Resolution is held invalid, the remainder of this Resolution shall continue in effect as if such invalid portion never existed; and

Section 3 - Repeal of Conflicting Provisions: All Ordinances, Resolutions, or Orders of the City Council, or parts of the same, in conflict with this Resolution are repealed to the extent of such conflict.

PASSED this _____ day of _____, 2024.

APPROVED:

STEPHANIE ORMAN, Mayor

Attest:

KIRBY ROMINES, City Clerk



City of Bentonville, Arkansas Agenda Item Form

Item Details

Council Meeting Date:	2/13/2024	Submitted By:	Kevin Boydston
Phone:	(479) 271-3151	For Department(s):	Fire
Email:	kboydston@bentonvillear.com		

Item Type (Check all that apply)

☐ Informational	☐ Bid Award	☒ Enter into an Agreement	☐ Change Order
☐ Recognizing Funds	☐ Budget Adjustment	☐ Waiver of Bid	☐ Emergency Clause
☐ Ordinance	☒ Resolution	☐ Informational	

Title, Recommendation & Justification

Title:	Resoluton Approving the Purchase of a Budgeted Replacement of Smith Detection GC/MS
Action Recommendation & Justification:	Approve resolution authorizing the purchase the Griffin G510 GC/MS under the HGAC Cooperative Contract # EP11-20. No budget adjustment is needed.
Additional Comments for Consideration (Optional):	Our current GC/MS is in the 10th year and at the end of life usage. Service and maintenance contracts aren't available. This purchase includes training, refill kits and 4 additional years on the 2 year Annual Service Contract (5 years). Use of a purchasing cooperative is allowed pursuant to Arkansas State Statute 19-11-249 as the awarded contract has already gone through a competitive bid process. This is in line with the City's Purchasing Policy.
Amount for Approval:	\$ 211,415.82

Budget Impact

Is this Item Budgeted? ☒ YES ☐ NO ☐ ITEM HAS NO COST ☐ OTHER: _____

Budget Adjustment (to be completed by Finance when applicable)

Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue

Fund(s) Impacted

(check all that apply)

☒ General Fund ☐ Utility Fund ☐ Street Fund ☐ Other(s): _____

Budget Impact Notes for Consideration (Optional):

City of Bentonville, Arkansas

City Hall

305 SW A Street Bentonville, AR 72712



CONTRACT PRICING WORKSHEET
For Catalog & Price Sheet Type Purchases

Contract
No.:

EP11-20

Date
Prepared:

1/11/2024

This Worksheet is prepared by Contractor and given to End User. If a PO is issued, both documents MUST be faxed to H-GAC @ 713-993-4548. Therefore please type or print legibly.

Buying Agency:	City of Bentonville - Fire Department	Contractor:	FARRWEST ENV. SUPPLY
Contact Person:	Shawn Lanier	Prepared By:	MATT MEYER
Phone:	479-271-5990	Phone:	210-566-1857
Fax:		Fax:	210-566-1897
Email:	slanier@bentonvillear.com	Email:	mmeyer@farrwest.com

Catalog / Price Sheet Name:	FLIR
General Description of Product:	GC/MS

A. Catalog / Price Sheet Items being purchased - Itemize Below - Attach Additional Sheet If Necessary

Quan	Description	Unit Pr	Total
1	FLIR Griffin G510 GC/MS Field Ready Kit (103-032-0002)	144998	144998
1	FLIR Griffin Sample Prep Kit Refill	940.8	940.8
1	FLIR G510 Annual Service Contract - 4 Additional Years (6 Total)	53760	53760
			0
			0
			0
			0
			0
			0
			0
			0
			0
Total From Other Sheets, If Any:			
Subtotal A:			199698.8

B. Unpublished Options, Accessory or Service items - Itemize Below - Attach Additional Sheet If Necessary

(Note: Unpublished Items are any which were not submitted and priced in contractor's bid.)

Quan	Description	Unit Pr	Total
1	3-Day GC/MS Training Class	8350	8350
			0
			0
			0
Total From Other Sheets, If Any:			
Subtotal B:			8350

Check: Total cost of Unpublished Options (B) cannot exceed 25% of the total of the Base Unit Price plus Published Options (A+B).

For this transaction the percentage is:

4%

C. Trade-Ins / Special Discounts / Other Allowances / Freight / Installation / Miscellaneous Charges

Shipping & Handling	450
Subtotal C:	450

Delivery Date:

D. Total Purchase Price (A+B+C):

208498.8

**FARRWEST**

Estimate

Date	Estimate #
1/29/2024	17243

**108 Commercial Place
Schertz, TX 78154**

Ph: 210-566-1857
Fax 210-566-1897

CITY OF BENTONVILLE - FIRE DEPARTMENT
SHAWN LANIER
slanier@bentonvillear.com
479-271-5990

P.O. No.

Rep

Project/Event

MM

Item	Description	Qty	Cost	Total
103-032-0002	FLIR GRIFFIN G510 GC/MS; FIELD READY KIT..INCLUDES: - Integrated Heated Sample Probe & Liquid Injector - 9AC power adapter, (4) batteries, US power cord, External 2-Bay Battery Charger - (12) 99.5% He gas cartridges, External Gas Regulator & Quick Disconnect Kit for 105L Canister, (6) Injector Maintenance Kits, (1) Ultra-Pure Helium Gas Canister 99.99% - 105L - Syringe, Sample Prep Kit, GROB test mixture, Standard Toolkit, Stylus, Bluetooth keyboard, Case, USB drive w/ GSS Software for remote PC. - Intial 1-Yr Warranty with additional 1-Yr Extended Service Contract, including two PM Services - 1 per year, Griffin Reachback support - 24 month warranty	1	144,998.00	144,998.00T
241-005-0111	GRIFFIN G510 SAMPLE PREP KIT REFILL INCLUDES: 100 PRE-FILLED SAMPLE VIALS SETS (2 VIALS EACH) FOR LIQUID AND SOLIDS SAMPLE PREPARATION, 100 SWABS, 100 PIPETTES, 10 RINSE VIALS (FOR USE WITH THE GRIFFIN G510 SAMPLE PREP KIT	1	940.80	940.80T

It's been a pleasure working with you!

Subtotal

Sales Tax (9.5%)

Total

Phone #	Fax #
210-566-1857	210-566-1897

Web Site
www.farrwest.com

**FARRWEST**

Estimate

Date	Estimate #
1/29/2024	17243

**108 Commercial Place
Schertz, TX 78154**

Ph: 210-566-1857
Fax 210-566-1897

CITY OF BENTONVILLE - FIRE DEPARTMENT
SHAWN LANIER
slanier@bentonvillear.com
479-271-5990

P.O. No.

Rep

Project/Event

MM

Item	Description	Qty	Cost	Total
FW-SAMPL-08	FARRWEST TRAINING GC/MS TECHNOLOGIES CLASS, 3-DAY, 8HR CLASS Class will include Theory of portable GC/MS, Level 1 Touch Software, Air Sample/Air Confirm Acquisition, Liquid/Solid Sample Preparation, Liquid Injector Technique, Solid Sample Technique, SPME Fiber Technique, Level 2 Software for Data Interpretation	1	8,350.00	8,350.00T
500EXTWAR36	FLIR G510 ANNUAL SERVICE CONTRACT (3 YEARS) INCLUDES 3 YEARS EXTENDED WARRANTY WITH BASIC REACH BACK SUPPORT AND (3) PREVENTATIVE MAINTENANCE SERVICES – ONE PER YEAR. LOANER INSTRUMENT WHEN REPAIR WILL BE OVER 5 DAYS IS INCLUDED, SUBJECT TO AVAILABILITY.	1	38,335.00	38,335.00T
10000	SHIPPING & HANDLING	1	450.00	450.00T
	HGAC PRICING - CONTRACT#EP11-20			

It's been a pleasure working with you!

Subtotal

Sales Tax (9.5%)

Total

Phone #	Fax #
210-566-1857	210-566-1897

Web Site
www.farrwest.com



FARRWEST

Estimate

Date	Estimate #
1/29/2024	17243

**108 Commercial Place
Schertz, TX 78154**

Ph: 210-566-1857
Fax 210-566-1897

CITY OF BENTONVILLE - FIRE DEPARTMENT
SHAWN LANIER
slanier@bentonvillear.com
479-271-5990

P.O. No.

Rep

Project/Event

MM

Item	Description	Qty	Cost	Total
	Registered in SAM - UEI - HBS7NNDNN7R3 Cage Code – 45QL9 WBE Certified Small Women-Owned Business POC – Matt Meyer Office- (210)-566-1857 Cell - (210) 885-1834 Fax – (210)-566-1897 Email – mmeyer@farrwest.com Website – www.farrwest.com			

It's been a pleasure working with you!

Subtotal \$193,073.80

Sales Tax (9.5%) \$18,342.02

Total \$211,415.82

Phone #	Fax #
210-566-1857	210-566-1897

Web Site
www.farrwest.com

RESOLUTION NO. _____

A RESOLUTION AUTHORIZING THE MAYOR AND CITY CLERK TO ENTER INTO AN AGREEMENT WITH FARRWEST FOR THE PURCHASE OF GRIFFIN G510 GC/MS, IN AN AMOUNT NOT TO EXCEED TWO HUNDRED ELEVEN THOUSAND FOUR HUNDRED FIFTEEN DOLLARS AND EIGHTY-TWO CENTS (\$211,415.82); AND FOR OTHER PURPOSES.

WHEREAS, the City of Bentonville Fire Department requests to replace the Smith Detection GC/MS, with the purchase of Griffin G510 GC/MS from Farrwest under the HGAC Cooperative Contract #EP11-20;

WHEREAS, Purchasing performed an evaluation, determining that the solicitation is in line with both Arkansas State Statute §19-11-249 and the City's Purchasing Policy; and

WHEREAS, this is a budgeted item.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL FOR THE CITY OF BENTONVILLE, ARKANSAS.

Section 1: That the Mayor and City Clerk are hereby authorized to enter into an agreement with Farrwest, under the HGAC Cooperative Contract #EP11-20, for the purchase of Griffin G510 GC/MS, in an amount not to exceed two hundred eleven thousand four hundred fifteen dollars and eighty-two cents (\$211,415.82);

Section 2 - Severability Provision: If any part of this Resolution is held invalid, the remainder of this Ordinance shall continue in effect as if such invalid portion never existed; and

Section 3 - Repeal of Conflicting Provisions: All Ordinances, Resolutions or Orders of the City Council, or parts thereof, in conflict herewith are hereby repealed to the extent of such conflict.

PASSED and APPROVED this _____ day of _____, 2024.

APPROVED:

ATTEST:

STEPHANIE ORMAN, Mayor

KIRBY ROMINES, City Clerk



City of Bentonville, Arkansas Agenda Item Form

Item Details

Council Meeting Date:	2/13/2024	Submitted By:	Jennifer Lopez-Jones
Phone:	479-271-5923	For Department(s):	District Court
Email:	jenniferj@bentonvillear.com		

Item Type (Check all that apply)

☐ Informational	☐ Bid Award	☐ Enter into an Agreement	☐ Change Order
☒ Recognizing Funds	☒ Budget Adjustment	☐ Waiver of Bid	☐ Emergency Clause
☐ Ordinance	☒ Resolution	☐ Informational	

Title, Recommendation & Justification

Title:	Resolution Recognizing Receipt of Grant Funds for Bentonville District Court Mediation Program
Action Recommendation & Justification:	Budget adjustment recognizing receipt of a grant from the Arkansas Alternative Dispute Resolution Committee and allocating funds for expenses related to the Bentonville District Court Mediation program. A budget adjustment is needed to recognize and utilize funds.
Additional Comments for Consideration (Optional):	The Bentonville District Court applied for and was awarded a grant from the Arkansas Alternative Dispute Resolution Committee in the amount of \$2,000 to continue to grow a mediation program primarily targeted for our Small Claims cases but can be used for our Civil cases as well. This program will allows our clients to have the services of a certified mediator prior to going to trial
Amount for Approval:	\$ 2,000.00

Budget Impact

Is this Item Budgeted? ☐ YES ☐ NO ☒ ITEM HAS NO COST ☐ OTHER: _____

Budget Adjustment (to be completed by Finance when applicable)

101210-33411	State Operating Grant	\$	\$ 2,000.00
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
101210-43410	Professional Services/Other	\$ 2,000.00	\$
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
		\$	\$
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
		\$	\$
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue

Fund(s) Impacted

(check all that apply)

☒ General Fund ☐ Utility Fund ☐ Street Fund ☐ Other(s): _____

Budget Impact Notes for Consideration (Optional):

City of Bentonville, Arkansas

City Hall

305 SW A Street Bentonville, AR 72712

www.bentonvillear.com

Please Recycle!

Page 56 of 254



City of Bentonville, Arkansas Agenda Item Form

Item Details

Council Meeting Date:	2/13/2024	Submitted By:	Jennifer Lopez-Jones
Phone:	479-271-5923	For Department(s):	District Court
Email:	jenniferj@bentonvillear.com		

Item Type (Check all that apply)

☐ Informational	☐ Bid Award	☐ Enter into an Agreement	☐ Change Order
☒ Recognizing Funds	☒ Budget Adjustment	☐ Waiver of Bid	☐ Emergency Clause
☐ Ordinance	☒ Resolution	☐ Informational	

Title, Recommendation & Justification

Title:	Resolution Recognizing Receipt of Grant Funds for Bentonville District Court Mediation Program
Action Recommendation & Justification:	Budget adjustment recognizing receipt of a grant from the Arkansas Alternative Dispute Resolution Committee and allocating funds for expenses related to the Bentonville District Court Mediation program. A budget adjustment is needed to recognize and utilize funds.
Additional Comments for Consideration (Optional):	The Bentonville District Court was awarded a grant from the Arkansas Alternative Dispute Resolution Committee in the amount of \$2,000 to continue to grow a mediation program primarily targeted for our Small Claims. This program will allow our clients to have the services of a certified mediator prior to going to trial. A mediator often times is able to resolve disputes in a way that is satisfactory to both sides. This is a completely voluntary program to which both parties would have to agree.
Amount for Approval:	\$ 2,000.00

Budget Impact

Is this Item Budgeted? ☐ YES ☐ NO ☒ ITEM HAS NO COST ☐ OTHER: _____

Budget Adjustment (to be completed by Finance when applicable)

101210-33411	State Operating Grant	\$	\$ 2,000.00
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
101210-43410	Professional Services/Other	\$ 2,000.00	\$
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
		\$	\$
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
		\$	\$
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue

Fund(s) Impacted

(check all that apply)

☒ General Fund ☐ Utility Fund ☐ Street Fund ☐ Other(s): _____

Budget Impact Notes for Consideration (Optional):

City of Bentonville, Arkansas

City Hall

305 SW A Street Bentonville, AR 72712

www.bentonvillear.com

Please Recycle!

RESOLUTION NO. _____

A RESOLUTION AUTHORIZING THE MAYOR AND CITY CLERK TO ENTER INTO A GRANT AGREEMENT WITH THE ARKANSAS ALTERNATIVE DISPUTE RESOLUTION COMMISSION IN THE AMOUNT OF TWO THOUSAND DOLLARS (\$2,000.00); ADJUSTING THE 2024 BUDGET TO RECOGNIZE GRANT FUNDS IN THAT AMOUNT INTO ACCOUNT #101210-33411 - STATE GRANT; APPROPRIATING THE SAME INTO ACCOUNT #101210-43410 - PROFESSIONAL SERVICE; AND FOR OTHER PURPOSES.

WHEREAS, the Bentonville District Court will receive two thousand dollars (\$2,000.00), from the Arkansas Alternative Dispute Resolution Commission to assist with the expenses related to the Bentonville District Court Mediation Program; and

WHEREAS, there is no matching provision in this grant.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF BENTONVILLE, ARKANSAS THAT:

Section 1: The Mayor and City Clerk are hereby authorized to enter into a grant agreement with the Arkansas Alternative Dispute Resolution Commission in which Bentonville District Court will receive two thousand dollars (\$2,000.00) in grant funds;

Section 2: The 2024 Budget is hereby adjusted to recognize said grant funds into Account #101210-33411 - State Grant;

Section 3: The 2024 Budget is further adjusted to appropriate said grant funds into Account #101210-43410 - Professional Services;

Section 4 - Severability Provision: If any part of this Resolution is held invalid, the remainder of this Resolution shall continue in effect as if such invalid portion never existed; and

Section 5 - Repeal of Conflicting Provisions: All Ordinances, Resolutions, or Orders of the City Council, or parts of the same, in conflict with this Resolution are repealed to the extent of such conflict.

PASSED this _____ day of _____, 2024.

APPROVED:

STEPHANIE ORMAN, Mayor

Attest:

KIRBY ROMINES, City Clerk



City of Bentonville, Arkansas Agenda Item Form

Item Details

Council Meeting Date:	2/13/2024	Submitted By:	Machele Bowen
Phone:	479-271-3117	For Department(s):	Parks and Recreation
Email:	mbowen@bentonvillear.com		

Item Type (Check all that apply)

☐ Informational	☐ Bid Award	☐ Enter into an Agreement	☐ Change Order
☐ Recognizing Funds	☐ Budget Adjustment	☐ Waiver of Bid	☒ Emergency Clause
☒ Ordinance	☐ Resolution	☐ Informational	

Title, Recommendation & Justification

Title:	Ordinance amending the City Pay PlanRe - classify a Position for the Parks & Recreation Department
Action Recommendation & Justification:	To replace the Community Events Manager, grade 34 with a Parks and Recreation Deputy Director, grade 36. No budget adjustment is needed.
Additional Comments for Consideration (Optional):	This change will result in a cost savings initially and will have no adverse impact on the approved 2024 budget. The Community Events Manager job duties will be incorporated into the Deputy Director job description.
Amount for Approval:	\$

Budget Impact

Is this Item Budgeted? ☐ YES ☐ NO ☒ ITEM HAS NO COST ☐ OTHER: _____

Budget Adjustment (to be completed by Finance when applicable)

Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
		\$	\$
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
		\$	\$
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
		\$	\$
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
		\$	\$

Fund(s) Impacted

(check all that apply)

☐ General Fund ☐ Utility Fund ☐ Street Fund ☐ Other(s): _____

Budget Impact Notes for Consideration (Optional):

This change will result in a cost savings initially and will have no adverse impact on the approved 2024 budget.

City of Bentonville, Arkansas

City Hall

305 SW A Street Bentonville, AR 72712

Memo



To: City Council, Mayor Orman

From: Machele Bowen, Human Resources Director
David Wright, Parks and Recreation Director

Date: January 23, 2024

Re: Ordinance amending the 2024 pay plan to allow for the reclassification of a position to create a Deputy Director position for Parks and Recreation.

Human Resources and Parks and Recreation is requesting City Council's approval of an ordinance amending the 2024 Pay Plan, replacing the vacant Community Events Manager Position (Grade 34) with a Deputy Director of Parks and Recreation (Grade 36).

This new position, if approved, will assist in leading the Parks and Recreation Department by managing day to day operations, assisting with capital project management, grant writing and more, while assisting with executive responsibilities such as leading with visioning and leadership to support a high performing department. Additionally, the individual in this position will assume the major responsibility of the former position, managing the public spaces in Downtown Bentonville and oversee public events and festivals that occur in these spaces.

There is not impact to the budget in the 2024 fiscal year. Because of salaries of former employees and bringing a new individual into a new role, the salary amount will be lower and will ultimately provide no impact. We do recognize in the future, this position will cost more than the present grade. However, festivals and events produced by Bentonville Parks and Recreation should produce revenue to assist with the funding of these jobs.

If you have any questions regarding this item, please call me at 479.464.7275 or email dwright@bentonvillear.com.

ORDINANCE NO. _____

**AN ORDINANCE AMENDING THE 2024 PAY PLAN FOR THE CITY OF BENTONVILLE
PARKS AND RECREATION DEPARTMENT TO RECLASSIFY THE POSITION OF
COMMUNITY EVENTS MANAGER TO DEPUTY DIRECTOR OF PARKS AND
RECREATION; PROVIDING FOR THE EMERGENCY CLAUSE; AND FOR OTHER
PURPOSES.**

WHEREAS, the City’s Parks and Recreation department requests an amendment to the 2024 Pay Plan to reclassify the vacant Community Events Manager position (Grade 34) to a Deputy Director of Parks and Recreation (Grade 36);

WHEREAS, if approved, this new position will assume the major responsibilities of the former Community Events Manager in addition to managing day to day operations and assisting with capital project management; and

WHEREAS, no budget adjustment is needed for the 2024 year.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF BENTONVILLE, ARKANSAS THAT:

Section 1: The Pay Plan for the City of Bentonville should be and is hereby amended to include the following:

Position Addition:

Remove	Community Events Manager	Grade 34
Addition	Deputy Director of Parks and Recreation	Grade 36

Section 2 - Emergency Clause: The need to make this change is immediate, so as to fill these positions and not delay implementation, an emergency is hereby declared to exist, and this Ordinance shall be in full force and effect from the date of its passage and approval;

Section 3 - Severability Provision: If any part of this Ordinance is held invalid, the remainder of this Ordinance shall continue in effect as if such invalid portion never existed; and

Section 4 - Repeal of Conflicting Provisions: All Ordinances, Resolutions, or Orders of the City Council, or parts of the same, in conflict with this Ordinance are repealed to the extent of such conflict.

PASSED this ____ day of _____, 2024.

APPROVED:

STEPHANIE ORMAN, Mayor

Attest:

KIRBY ROMINES, City Clerk



City of Bentonville, Arkansas Agenda Item Form

Item Details

Council Meeting Date:	2/13/2024	Submitted By:	Dennis Birge
Phone:	479-271-6840	For Department(s):	Transportation
Email:	dbirge@bentonvillear.com		

Item Type (Check all that apply)

☐ Informational	☐ Bid Award	☐ Enter into an Agreement	☒ Change Order
☐ Recognizing Funds	☐ Budget Adjustment	☐ Waiver of Bid	☐ Emergency Clause
☐ Ordinance	☒ Resolution	☐ Informational	

Title, Recommendation & Justification

Title:	Approving Change Order #3 for PIIP22-0017 SW 10th and F Drainage
Action Recommendation & Justification:	Resolution to approve Change Order #3 to add the SW 10th and F drainage project scope to the 8th Street project. No budget adjustment is needed.
Additional Comments for Consideration (Optional):	Funds for the change order will be taken from Drainage Bond monies. This Change Order also adds 240 days to the original contract for substantial completion.
Amount for Approval:	\$ 6,223,613.19

Budget Impact

Is this Item Budgeted? ☐ YES ☐ NO ☐ ITEM HAS NO COST ☒ OTHER: Drainage Bond

Budget Adjustment (to be completed by Finance when applicable)

Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue

Fund(s) Impacted

(check all that apply)

☐ General Fund ☐ Utility Fund ☐ Street Fund ☐ Other(s):

Budget Impact Notes for Consideration (Optional):

City of Bentonville, Arkansas

City Hall

305 SW A Street Bentonville, AR 72712



January 31, 2024

Mr. Dan Weese, PE
Deputy Director Transportation
City of Bentonville
3200 SW Municipal Drive
Bentonville, AR 72712

Re: Recommendation for Change Order No. 3
PIIP 20-0007 – 8th Street Widening: SW I-Street to SE J Street
PIIP 22-0017 – SW 10th Street & SW F Street Stormwater Improvements

Dear Mr. Weese:

Burns & McDonnell, Olsson, and City Staff have worked with Crossland Heavy Contractors, Inc. in an effort to incorporate a Bentonville Bond Drainage Project (PIIP 22-0017) into the current construction Contract between Crossland Heavy Contractors, Inc. and the City of Bentonville for the 8th Street Widening project (PIIP 20-0007). Based on Olsson's recommendation letter dated January 29, 2024 and Burns & McDonnell's Title 2 Service Agreement with the City of Bentonville, we have prepared Change Order No. 3 to incorporate PIIP 22-0017 into the 8th Street Widening: SW I-Street to SE J Street project (PIIP 20-0007).

If you have any questions, please do not hesitate to contact us.

Sincerely,
BURNS & McDONNELL



William Pattengill, PE
Resident Project Representative



January 29, 2024

Mr. Dan Weese, P.E.
City of Bentonville
3200 SW Municipal Dr
Bentonville, AR 72712

Re: SW 10th & F, SW 3rd & B, SW 6th & Glover Stormwater Improvements
Bentonville, Arkansas
Olsson Project No. G21-04210
PIIP 22-0017

Dear Mr. Weese:

On January 15, 2024, a price proposal was received for the referenced project from Crossland Heavy Contractors, Inc. A bid tabulation was prepared for the project and verified it is correct as submitted.

The total amount of the proposed price is \$6,223,613.19. We recommend acceptance of the price proposal from Crossland Heavy Contractors.

The complete bid tabulation is attached for reference. Please feel free to contact me with any additional questions that you may have.

Sincerely,

Eric Shelton, PE



Enclosure

CHANGE ORDER NO. 3 For Contract between Owner and Contractor

Project Name: 8th Street Widening: SW I-Street to SE J-Street BMcD Project No. 117348

Owner: City of Bentonville, Arkansas Client Project No. PIIP 20-0007

Contractor: Crossland Heavy Contractors, Inc. Contract No. ARDOT Job 090377

The below noted modification(s) to subject Contract are directed by Owner and accepted by Contractor (any applicable attachments are specifically identified):

These modifications to the Contract are the result of incorporating a separate City of Bentonville Project, PIIP 22-0017 - SW 10th Street & SW F Street Stormwater Improvements, into the current Contract. These modifications are described on the attached exhibits and incorporated into the Contract.

- Exhibit A – Modification to Section 500 – Agreement Between Owner and Contractor
- Exhibit B – Modification to Section 720 – General Conditions, Article 11.01C
- Exhibit C – Memorandum of Understanding
- Exhibit D – PIIP 22-0017 Supplemental Contract Documents (Olsson)
- Exhibit E – IFC Plans for PIIP 22-0017 – SW 10th Street & SW F Street Stormwater Improvements (Olsson)

As a result of the modification(s) described above:

The revised **Contract Price** is:

PIIP 20-0007

Original Contract Price	\$ <u>27,802,587.50</u>
Total net amount of all previous Change Orders (+ or -).	\$ <u>+ 390,434.30</u>
Total net amount of this Change Order..... (+ or -).	\$
Current Contract Price, including this Change Order.....	\$ <u>28,193,021.80</u>

PIIP 22-0017

Original Contract Price	\$ <u>N/A</u>
Total net amount of all previous Change Orders (+ or -).	\$ <u>N/A</u>
Total net amount of this Change Order..... (+ or -).	\$ <u>+6,223,613.19</u>
Current Contract Price, including this Change Order.....	\$ <u>6,223,613.19</u>

Combined PIIP 20-0007 & 22-0017

Original Contract Price	\$ <u>27,802,587.50</u>
Total net amount of all previous Change Orders (+ or -).	\$ <u>+ 390,434.30</u>
Total net amount of this Change Order..... (+ or -).	\$ <u>+6,223,613.19</u>
Current Contract Price, including this Change Order.....	\$ <u>34,416,634.99</u>

The revised Contract Time is:

	<u>Substantial Completion</u>	<u>Ready for Final Payment</u>
<u>PIIP 20-0007</u>		
Original Completion Date(s)	<u>07-05-24</u>	<u>09-03-24</u>
Total net time adjustment* of all previous Change Orders(+ or -)	<u>0</u>	<u>0</u>
Total net time adjustment* of this Change Order.....(+ or -)	<u>0</u>	<u>0</u>
* Time adjustment is specified in: ☐ Working Days ☐ Calendar Days ☐ Other _____		
Current Completion Date(s), including this Change Order	<u>07-05-24</u>	<u>09-03-24</u>

Additional days requested but not incorporated into Contract to date is 70 Calendar Days.

<u>PIIP 22-0017</u>		
Original Completion Date(s)	<u>N/A</u>	<u>N/A</u>
Total net time adjustment* of all previous Change Orders(+ or -)	<u>N/A</u>	<u>N/A</u>
Total net time adjustment* of this Change Order.....(+ or -)	<u>+240 (NTP)</u>	<u>+300 (NTP)</u>
* Time adjustment is specified in: ☐ Working Days ☒ Calendar Days ☐ Other _____		
Current Completion Date(s), including this Change Order	<u>TBD</u>	<u>TBD</u>

Additional days requested but not incorporated into Contract to date is N/A.

<u>Combined PIIP 20-0007 & 22-0017</u>		
Original Completion Date(s)	<u>07-05-24</u>	<u>09-03-24</u>
Total net time adjustment* of all previous Change Orders(+ or -)	<u>0</u>	<u>0</u>
Total net time adjustment* of this Change Order.....(+ or -)	<u>+240 (from NTP)</u>	<u>+300 (from NTP)</u>
* Time adjustment is specified in: ☐ Working Days ☒ Calendar Days ☐ Other _____		
Current Completion Date(s), including this Change Order	<u>TBD</u>	<u>TBD</u>

The price and/or time extension set forth in this Change Order is full compensation for all costs and delays, direct and indirect, incurred in connection with the conditions giving rise to this Change Order, the work specified herein, and any consequential costs, delays, or effects on unchanged work resulting therefrom.

This Change Order, when executed, constitutes a modification to the Contract and all provisions of the Contract, except as modified above and by any previous Change Orders, shall apply hereto.



09-13-2011 Form CO-2

OWNER

CONTRACTOR

City of Bentonville, Arkansas

Crossland Heavy Constructors, Inc.

By _____

By _____

Date _____

Date _____

The conditions of the Change Order in regards to PIIP 20-0007 & PIIP 22-0017 are noted for compliance and payment.

BURNS & McDONNELL

By _____

Date _____

The conditions of the Change Order in regards to PIIP 22-0017 are noted for compliance and payment.

OLSSON

By _____

Date _____

SECTION 00500 – AGREEMENT BETWEEN OWNER AND CONTRACTOR

Project Name 8th Street Widening: SW I-Street to SE J-Street
Contract Name S.W. I Street to Moberly Lane (Widening)(Bentonville)(S)
Contract No. ARDOT Job No. 090377

THIS AGREEMENT is dated as of the 4th day of May in the year 2022 by and between
City of Bentonville, Arkansas (hereinafter called Owner) and
Crossland Heavy Contractors, Inc. (hereinafter called Contractor).

Owner and Contractor, in consideration of the mutual covenants hereinafter set forth, agree as follows:

ARTICLE 1 - WORK

- 1.01 Contractor shall complete all Work (PIIP 20-0007) as specified or indicated in the Contract Documents. The Work under this Contract is generally described as follows:

Reconstruction of approximately 7,273 linear feet of 8th street from S.W. I-Street to S.E. J-Street in Bentonville, Arkansas. The reconstruction will widen the roadway to 4 and 5 lanes, provide new traffic signals, and replace the storm drainage systems for the length of project. The widened roadway will include vehicular lanes, a cycle-track or shared-use paths, and sidewalks. Minor utility relocations will be required to facilitate the work.

- 1.02 Contractor shall complete all Work (PIIP 22-0017) as specified or indicated in the Contract Documents. The Work under this Contract is generally described as follows:

See 1.0 Project Description in Job Special Provision JSP-100-01 General Job Special Provision found in Exhibit D – PIIP 22-0017 Supplemental Contract Documents (Olsson) included with Change Order No. 3.

ARTICLE 2 - ENGINEER

- 2.01 The Original Project (PIIP 20-0007) has been designed by Burns & McDonnell Engineering Co. Inc., who is hereinafter called Engineer and who is to act as Owner's representative, assume all duties and responsibilities, and have the rights and authority assigned to Engineer in the Contract Documents in connection with completion of the Work in accordance with the Contract Documents.
- 2.02 The Incorporated Project (PIIP 22-0017) has been designed by Olsson Inc., who is hereinafter called Engineer and who is to act as Owner's representative, assume all duties and responsibilities, and have the rights and authority assigned to Engineer in the Contract Documents in connection with completion of the Work in accordance with the Contract Documents.

ARTICLE 3 - CONTRACT TIME

- 3.01 TIME OF THE ESSENCE:
- A. All time limits for milestones, if any, Substantial Completion, and completion and readiness for final payment as stated in the Contract Documents are of the essence of the Contract.

00500 - 1

DOCUMENT 00500_AGREEMENT FILLED IN FOR SIGNATURE

04/01/2002

SECTION 00500 – AGREEMENT BETWEEN OWNER AND CONTRACTOR : continued

3.02 DATES FOR SUBSTANTIAL COMPLETION AND FINAL PAYMENT:

- A. The Work for PIIP 20-0007 will be Substantially Completed within 730 days after the date when the Contract Times commence to run as provided in the GENERAL CONDITIONS and completed and ready for final payment in accordance with the GENERAL CONDITIONS within 60 days after Substantial Completion.

The Work for PIIP 22-0017 will be Substantially Completed within 240 days after the date when the Contract Times commence to run as provided in the GENERAL CONDITIONS and completed and ready for final payment in accordance with the GENERAL CONDITIONS within 60 days after Substantial Completion.

- B. The Contract Times include delays for average weather-related events as seen below:

January	11 days
February	9 days
March	8 days
April	8 days
May	8 days
June	8 days
July	7 days
August	7 days
September	7 days
October	7 days
November	7 days
December	8 days

Only weather-related events IN EXCESS of these amounts will be considered for additional Contract Time, if requested by the Contractor. Contractor shall submit additional Contract Time request with supporting documentation every month accompanying the monthly Pay Applications. No consideration or recommendation for additional Contract Time will be made of events occurring more than one-month prior to request.

3.03 LIQUIDATED DAMAGES:

- A. Owner and Contractor recognize that time is of the essence of this Agreement and that Owner will suffer financial loss if the Work is not completed within the time specified above, plus any extensions thereof allowed in accordance with the GENERAL CONDITIONS. The parties also recognize the delays, expense, and difficulties involved in proving the actual loss suffered by Owner if the Work is not Substantially Completed on time. Accordingly, instead of requiring any such proof, Owner and Contractor agree that as liquidated damages for delay (but not as a penalty) Contractor shall pay Owner One Thousand dollars (\$1000.00) for each day that expires after the time specified above in Paragraph 3.02 for Substantial Completion until the Work is Substantially Complete. After Substantial Completion, if Contractor shall neglect, refuse, or fail to complete the remaining Work within the time specified in Paragraph 3.02 for completion and readiness for final payment or any proper extension thereof granted by Owner, Contractor shall pay Owner One Thousand dollars (\$1000.00) for each day that expires after the time specified for completion and readiness for final payment.

- B. Contract Time shall be separately tracked and assessed for both PIIP 20-0007 and PIIP 22-0017. In other words, liquidated damages for delay can only be assessed with respect to each individual project. Furthermore, PIIP 22-0017 is expected to be completed after PIIP 20-0007. No liquidated damages for delay shall be assessed for the Original Project, PIIP 20-0007, as a result of additional Contract Time necessary to complete the Incorporated Project, PIIP 22-0017.

00500 - 2

DOCUMENT 00500_AGREEMENT FILLED IN FOR SIGNATURE

04/01/2002

SECTION 00720 – GENERAL CONDITIONS: continued

- E. If notice of any change affecting the general scope of the Work or the provisions of the Contract Documents (including, but not limited to, Contract Price or Contract Times) is required by the provisions of any Bond to be given to a surety, the giving of any such notice will be Contractor's responsibility, and the amount of each applicable Bond will be adjusted accordingly.

ARTICLE 11 - CHANGE OF CONTRACT PRICE11.01 GENERAL:

- A. The Contract Price constitutes the total compensation (subject to authorized adjustments) payable to Contractor for performing the Work. All duties, responsibilities, and obligations assigned to or undertaken by Contractor shall be at his expense without change in the Contract Price.
- B. The Contract Price may only be changed by a Change Order or a Written Amendment. Any claim for an increase or decrease in the Contract Price shall be based on written notice delivered by the party making the claim to the other party and to Engineer promptly (but in no event later than 15 days) after the occurrence of the event giving rise to the claim and stating the general nature of the claim. Notice of the amount of the claim with supporting data shall be delivered within 60 days after such occurrence (unless Engineer allows an additional period of time to ascertain more accurate data in support of the claim) and shall be accompanied by claimant's written statement that the amount claimed covers all known amounts (direct, indirect, and consequential) to which the claimant is entitled as a result of the occurrence of said event. All claims for adjustment in the Contract Price shall be determined by Engineer in accordance with Paragraph 9.09A if Owner and Contractor cannot otherwise agree on the amount involved. No claim for an adjustment in the Contract Price will be valid if not submitted in accordance with this Paragraph 11.01B.
- C. The value of any Work covered by a Change Order or of any claim for an increase or decrease in the Contract Price shall be determined in one of the following ways:
1. Where the Work involved is covered by Unit Prices contained in the Contract Documents, by application of Unit Prices to the quantities of the items involved (subject to the provisions of Paragraphs 11.04A through 11.04C, inclusive).
 2. By mutual acceptance of a lump sum (which may include an allowance for overhead and profit not necessarily in accordance with Paragraph 11.03A.2.a).
 3. On the basis of the Cost of the Work (determined as provided in Paragraphs 11.02A and 11.02B) plus a Contractor's Fee for overhead and profit (determined as provided in Paragraphs 11.03A and 11.03B).
 4. By mutual acceptance of Unit Prices (which may include an allowance for overhead and profit not necessarily in accordance with Paragraph 11.03A.2.a.).

11.02 COST OF THE WORK:

- A. The term Cost of the Work means the sum of all costs necessarily incurred and paid by Contractor in the proper performance of the Work. Except as otherwise may be agreed to in writing by Owner, such costs shall be in amounts no higher than those prevailing in the locality of the Project, shall include only the following items and shall not include any of the costs itemized in Paragraph 11.02B.
1. Payroll costs for employees in the direct employ of Contractor in the performance of the Work under schedules of job classifications agreed upon by Owner and Contractor. Payroll costs for employees not employed full time on the Work shall be apportioned on the basis of their time spent on the Work. Payroll costs shall include, but



MEMORANDUM OF UNDERSTANDING

PROJECT: PIIP 20-0007 – 8th Street Widening: SW I-Street to SE J-Street & PIIP 22-0017 – SW 10th Street & SW F Street Stormwater Improvements

RE: Change Order No. 3 - Definition of “Engineer” As It Pertains to Construction Services

The OWNER, City of Bentonville, has requested to incorporate a separate City of Bentonville construction project, PIIP 22-0017 – SW 10th Street & SW F Street Stormwater Improvements, into the construction project, PIIP 20-0007 – 8th Street Widening: SW I-Street to SE J-Street. PIIP 20-0007 CONTRACT between the CONTRACTOR, Crossland Heavy Contractors, Inc. and the OWNER, City of Bentonville, dated May 4, 2022 makes reference to the “Engineer”. This Memorandum of Understanding is necessary to separate the duties of the ENGINEER between the two City projects.

It is agreed upon by all parties that construction-related and/or design-related scope items be directed towards the responsible engineering firm associated with their respective design/construction documents. Both projects and their respective ENGINEER are defined below:

City of Bentonville Project: PIIP 20-0007

Project Name: 8th Street Widening: SW I-Street to SE J-Street

Engineer: Burns & McDonnell

City of Bentonville Project: PIIP 22-0017

Project Name: 10th Street & SW F Street Stormwater Improvements

Engineer: Olsson

Acknowledgement:

OWNER

City of Bentonville

By _____

Date _____

ENGINEER (PIIP 20-0007)

Burns & McDonnell

By _____

Date _____

CONTRACTOR

Crossland Heavy Contractors

By _____

Date _____

ENGINEER (PIIP 22-0017)

Olsson

By _____

Date _____

PLACEHOLDER

PLACEHOLDER

SW 10th and F Street Stormwater Improvements

Bid Schedule D

olsson

Client Name: Bentonville, Arkansas
Project Name: SW 10th Street & SW F Street Stormwater Improvements
Olsson Project Number: G21-04210

Date	Index
1/29/2024	

	Item	Unit	Quantity	Unit Cost \$	Cost \$
1	Mobilization	LS	1	\$296,000.00	\$296,000.00
2	Miscellaneous Removals	LS	1	\$170,000.00	\$170,000.00
3	Erosion Control Mat	SY	1930	\$6.00	\$11,580.00
4	Sediment Control Barrier	LF	1561	\$7.00	\$10,927.00
5	Inlet Protection	EA	38	\$660.00	\$25,080.00
6	Stabilized Gravel Construction Entrance/Exit	SY	167	\$25.00	\$4,175.00
7	Concrete Washout	EA	2	\$1,450.00	\$2,900.00
8	Clearing & Grubbing (by group)	AC	0.34	\$19,500.00	\$6,630.00
9	Clearing and Grubbing Trees (individual)	EA	19	\$1,500.00	\$28,500.00
10	Unclassified Excavation	CY	2472	\$35.00	\$86,520.00
11	Linear Grading	LF	2667	\$25.00	\$66,675.00
12	Modified Curb	LF	424	\$36.81	\$15,607.44
13	Type A Curb	LF	703	\$40.00	\$28,120.00
14	Concrete Gutter	LF	161	\$50.00	\$8,050.00
15	Asphalt Street	SY	2323	\$130.00	\$301,990.00
16	Asphalt Pavement Repair	SY	31	\$720.00	\$22,320.00
17	Concrete Trail	SY	420	\$160.00	\$67,200.00
18	Concrete Street	SY	276	\$175.00	\$48,300.00
19	Commercial Driveway Replacement	SY	134	\$940.00	\$125,960.00
20	Residential Driveway Replacement	SY	120	\$1,000.00	\$120,000.00
21	Gravel Driveway Replacement	SY	152	\$45.00	\$6,840.00
22	Brick Walk Replacement	SY	5	\$660.00	\$3,300.00
23	Sidewalk	SY	484	\$100.00	\$48,400.00
24	Wheelchair Ramps	SF	331	\$25.00	\$8,275.00
25	Detectable Warning Strip	LF	20	\$75.00	\$1,500.00
26	10 Foot Concrete Channel with Curb	SY	700	\$260.00	\$182,000.00
27	Excavation for Utility Point Repair by BWUD	LF	53	\$240.75	\$12,759.75
28	4" Tapping Sleeve & Valve	EA	1	\$7,000.00	\$7,000.00
29	4" DI Spool Piece 8"x4" Reducer	EA	1	\$3,000.00	\$3,000.00
30	8" Tapping Sleeve & Valve	EA	5	\$9,100.00	\$45,500.00
31	8" 11.25 Degree Bend	EA	1	\$1,900.00	\$1,900.00
32	8" 45 Degree Bend	EA	7	\$1,900.00	\$13,300.00
33	8" 90 Degree Bend	EA	5	\$2,000.00	\$10,000.00
34	8" Gate Valve	EA	3	\$4,800.00	\$14,400.00
35	8" MJ TEE	EA	1	\$2,700.00	\$2,700.00
36	8" C900/D14 Pipe	LF	519	\$220.00	\$114,180.00
37	16" Steel Encasement	LF	44	\$600.00	\$26,400.00
38	Connection of Relocated Water Meter & Service Line	EA	10	\$2,900.00	\$29,000.00
39	Fire Hydrant Assembly	EA	1	\$13,000.00	\$13,000.00
40	Type 1 Riprap	CY	60	\$190.00	\$11,400.00
41	Flowable Select Material	CY	26	\$270.00	\$7,020.00
42	Seeding, Mulching, and Fertilizer	AC	1.39	\$6,000.00	\$8,340.00
43	Sod	SF	31250	\$0.70	\$21,875.00
44	Flared End Sections for 18" Pipe Culverts	EA	2	\$2,200.00	\$4,400.00
45	Flared End Sections with Toewall for 18" Pipe Culverts	EA	1	\$2,700.00	\$2,700.00
46	Flared End Sections for 30" Pipe Culverts	EA	1	\$3,000.00	\$3,000.00
47	Flared End Sections with Toewall for 30" Pipe Culverts	EA	2	\$3,700.00	\$7,400.00
48	Concrete Collar	EA	4	\$1,900.00	\$7,600.00
49	3' x 3' Junction Box	EA	2	\$9,900.00	\$19,800.00
50	4' x 3' Area Inlet	EA	1	\$12,000.00	\$12,000.00
51	4' x 4' Area Inlet	EA	4	\$12,500.00	\$50,000.00
52	4' x 4' Combination Inlet (Neenah R-3067-L Grate)	EA	3	\$24,500.00	\$73,500.00
53	4' x 4' Curb Inlet (Non-Setback)	EA	1	\$11,700.00	\$11,700.00
54	4' x 4' Grate Inlet (Neenah R-2560-E2 Grate)	EA	10	\$11,700.00	\$117,000.00
55	4' x 4' Grate Inlet (Neenah R-3408-L Grate)	EA	3	\$13,200.00	\$39,600.00

SW 10th and F Street Stormwater Improvements

Bid Schedule D

olsson

Client Name: Bentonville, Arkansas
Project Name: SW 10th Street & SW F Street Stormwater Improvements
Olsson Project Number: G21-04210

Date	Index
1/29/2024	

	Item	Unit	Quantity	Unit Cost \$	Cost \$
56	4' x 4' Junction Box	EA	7	\$10,800.00	\$75,600.00
57	4' x 4' Grate Inlet (Neenah R-2560-E1 Grate)	EA	1	\$29,800.00	\$29,800.00
58	5' x 5' Junction Box	EA	1	\$15,700.00	\$15,700.00
59	6' x 4' Combination Inlet (Neenah R-3295-2L Grate)	EA	3	\$21,600.00	\$64,800.00
60	6' x 4' Combination Inlet (Neenah R-3408-BL Grate)	EA	2	\$24,000.00	\$48,000.00
61	8' x 4' Junction Box	EA	1	\$25,100.00	\$25,100.00
62	8' x 8' Junction Box	EA	1	\$31,500.00	\$31,500.00
63	8' x 8' Junction Box with Manhole Riser	EA	1	\$31,500.00	\$31,500.00
64	8' x 10' Junction Box with Neenah R-2560-E2 Grate	EA	1	\$40,900.00	\$40,900.00
65	9' x 10' Combination Inlet (Neenah R-3067-L Grate)	EA	1	\$46,500.00	\$46,500.00
66	9' x 4' Combination Inlet (Neenah R-3295-3L Grate)	EA	1	\$38,300.00	\$38,300.00
67	9' x 4' Grate Inlet (Neenah R-2560-E2 Grate and Open 1 Side)	EA	1	\$33,000.00	\$33,000.00
68	12' x 9' Junction Box	EA	1	\$67,300.00	\$67,300.00
69	9' x 3.5' Reinforced Concrete Box Culvert Wingwalls and Apron	EA	1	\$43,700.00	\$43,700.00
70	12" Reinforced Concrete Pipe	LF	6	\$170.00	\$1,020.00
71	15" Reinforced Concrete Pipe	LF	11	\$190.00	\$2,090.00
72	18" Reinforced Concrete Pipe	LF	1020	\$190.00	\$193,800.00
73	24" Reinforced Concrete Pipe	LF	409	\$230.00	\$94,070.00
74	30" Reinforced Concrete Pipe	LF	80	\$240.00	\$19,200.00
75	23" x 14" Reinforced Concrete Horizontal Elliptical Pipe	LF	13	\$195.00	\$2,535.00
76	30" x 19" Reinforced Concrete Horizontal Elliptical Pipe	LF	69	\$310.00	\$21,390.00
77	38" x 24" Reinforced Concrete Horizontal Elliptical Pipe	LF	38	\$335.00	\$12,730.00
78	6' x 3' Reinforced Concrete Box Culvert	LF	158	\$1,200.00	\$189,600.00
79	6' x 3.5' Reinforced Concrete Box Culvert	LF	950	\$1,250.00	\$1,187,500.00
80	9' x 3.5' Reinforced Concrete Box Culvert	LF	693	\$1,560.00	\$1,081,080.00
81	Sanitary Sewer Lateral Adjustment	EA	2	\$3,600.00	\$7,200.00
82	Mailbox Replacement	EA	2	\$520.00	\$1,040.00
83	Gilmore Park Tree Protection	LS	1	\$13,000.00	\$13,000.00
84	Removal and Disposal of Curb and Gutter	LF	391	\$14.00	\$5,474.00
85	Removal and Disposal of Pavement	SY	2452	\$19.00	\$46,588.00
86	Topsoil	SY	8284	\$8.00	\$66,272.00
87	Contingency Allowance	LS	1	\$200,000.00	\$200,000.00
88	Maintenance of Traffic and Temporary Structures	LS	1	\$100,000.00	\$100,000.00

Total Construction Cost \$6,223,613.19

olsson

APPENDIX A: JOB SPECIAL PROVISIONS

JOB SPECIAL PROVISION JSP-100-01
GENERAL JOB SPECIAL PROVISIONS

- 1.0 Project Description.** Storm sewer improvements for SW 3rd Street and B Street, SW 6th Street and Glover Lateral, and SW 10th Street and F Street Collection System sites which are interconnected and have been combined into one project area.

Currently, flows from the project area are discharging into an enclosed storm sewer running that runs along SW 8th Street. Project area flows enter the enclosed system through a double reinforced box culvert located on the north side of SW 8th Street (constructed with the SW 8th street project). The system run west along SW 8th Street for approximately 270 feet and then turns south for approximately 360 ft before discharging into a concrete channel located on the west side of the Walmart overflow parking lot.

The rest of the area currently conveys storm water using open ditches and channels. During heavy rain events, existing ditches and storm sewer throughout the area is undersized and floods the neighborhoods. The primary area of concern is the intersection of SW 3rd Street and SW B Street which is a natural sump and has inadequate drainage to prevent severe ponding. Other areas of concern are along the west side of SW B Street, the neighborhood between SW 4th Street and SW 5th Street, the west side of SW E Street, along the Downtown Trail, and the area east of Walmart Global People Center.

The proposed storm sewer is composed of two main sections, Stormline 100 and Stormline 400. Stormline 400 runs south from the intersection of SW 4th Street and SW E Street to the intersection of SW 6th Street and SW E Street along the west side of 4th Street. From there it runs east parallel to the Downtown Trail for approximately 380 ft where it will connect to Stormline 100. Stormline 100 begins upstream at the intersection of SW 3rd Street and SW B Street. It runs along the west side of SW B Street for approximately 495 feet to SW 4th Street. From there, the proposed storm line runs along the south side of SW 4th Street for approximately 140 feet and then runs south in an alley between 17 properties to SW 5th Street. At SW 5th Street the proposed storm line runs parallel to the existing Downtown Trail for 667 feet. The storm line then opens into a channel that will run south beside the Walmart Global People Center. At SW 8th street the flow will be enclosed in a box culvert and connected to the 8th Street Corridor Improvements project being designed by Burns and McDonnell.

- 2.0 Coordination of Contract Documents.** The latest version of the Arkansas State Highway and Transportation Department Standard Specifications for Highway Construction will be used for specifications. Modifications and/or additions to the specifications will be communicated through Job Special Provisions (JSPs).

The contract documents are essential parts of the contract, and a requirement occurring in one shall be as binding as though occurring in all. Contract documents are intended to be complementary and to describe and provide for a complete work. In case of discrepancy among contract documents, the governing ranking will be:

- a) Job Special Provisions

- b) Project Specific Drawings
- c) Arkansas State Highway and Transportation Department, Standard Specifications for Highway Construction
- d) Standard Drawings
- e) All other sections of the contract documents

In case of discrepancies, calculated dimensions will govern over scaled dimensions.

All contractors, including subcontractors, shall not take advantage of any apparent error or omission in the contract documents. If an error or omission is discovered, the engineer shall be notified promptly so corrections and interpretations necessary to fulfill the intent of the contract can be made. A failure to give notice shall render the effects of any error or omission non-compensable and any delay non-excusable.

JOB SPECIAL PROVISION JSP-202-01
DEMOLITION

- 1.0 Scope.** Demolition shall be in accordance with Section 202 of the current approved Arkansas State Highway and Transportation Department, Standard Specifications for Highway Construction, except as modified by this Job Special Provision.

All items under this specification shall be measured and paid as described below. In the event the Contractor encounters items that require removal and disposal other than that is listed within the specification an individual unit price will be established with the City of Bentonville and the opinion of the Engineer.

- 2.0 Method of Measurement.** The Removal and Disposal Curb and Gutter will be measured by the linear foot. The Removal and Disposal of Pavement will be measured by the nearest square yard. All other items covered by this specification will be measured by lump sum under Miscellaneous Removals. All Demolition items are considered planned quantities and will not be measured in the field unless, in the opinion of the Engineer or upon evidence furnished by the Contractor, substantial variations exist between the quantities shown on the bid form and actual quantities due to changes in alignment or dimensions or to apparent errors. The bid form quantity has been measured by the linear foot, square yard, or lump sum.

- 3.0 Basis of Payment.** Payment for Demolition work completed and accepted and measured as provided above will be paid for at the contract unit price bid for the specific items, and shall include the cost of furnishing all labor, equipment, removal, clearing, salvaging, storing, transportation, disposal fees, tools, and materials, and the performance of all work necessary to complete work.

Periodic payments will be made in proportion to the amount of structure removed.

Payment will be made under:

Pay Item:

Removal and Disposal of Curb and Gutter

Removal and Disposal of Pavement

Miscellaneous Removals

Pay Unit:

Linear Foot

Square Yard

Lump Sum

JOB SPECIAL PROVISION JSP-201-02
CLEARING AND GRUBBING TREES (INDIVIDUAL)

- 1.0 Scope.** This item shall be in accordance with Section 201 of the current approved Arkansas State Highway and Transportation Department, Standard Specifications for Highway Construction, except as modified by this Job Special Provision.
- 2.0 Method of Measurement.** When specified, individual, isolated trees greater than 4 inches in diameter, measured 12 inches above the ground, will be measured by each tree removed.
- 3.0 Basis of Payment.** Payment for "Clearing and Grubbing Trees" shall be at the contract unit price per each and shall include full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work, including the cost of repairing damaged trees that are designated to remain.

JOB SPECIAL PROVISION JSP-201-03
GILMORE PARK TREE PROTECTION

- 1.0 Scope.** This item shall be in accordance with Section 201 of the current approved Arkansas State Highway and Transportation Department, Standard Specifications for Highway Construction, except as modified by this Job Special Provision.

Trees located in Gilmore Park which are not designated to be removed but are within 20' of the limits of construction will require the contractor to install temporary chain link tree protection at a full perimeter around the tree at a radius of one foot per one inch of tree caliper inches. Trunk caliper inches is measured at 4.5 feet from ground (diameter breast height). Tree protection must be installed prior to earth disturbing activity within Gilmore Park.

Regarding the trees scheduled to be removed inside Gilmore Park: Prior to working in Gilmore Park, the contractor shall coordinate and attend a meeting on-site with the Parks Department to review which trees are to be removed or protected. The Maple tree and the Hackberry tree near the existing foot bridge may be removed at the start of the project. All other trees scheduled to be removed will be evaluated by the Parks Department once the pipe trench is complete and shall not be removed, until explicitly directed to do so by the Owner. If the tree is determined to be unsalvageable the contractor will remove the tree per the project contract. If the tree is salvageable, the contractor shall maintain tree protection throughout the project. The contractor must operate equipment from the south side of the alignment in order to reduce compaction north of the proposed channel. Any trail damage made to the trail by the contractor shall be repaired by the contractor. No additional payment will be made for trail replacement beyond what is shown in the plans.

Contractor shall provide a 24/7 bike pedestrian detour around any trail closure as a part of his contract. Use of existing park sidewalks and trails are acceptable. Contractor shall clearly sign and maintain the detour for the length of the project using bike ped detour signage. Acceptable detour signage is MUTCD bike ped signage. At no point in the project may the contractor close any section of the park (not including the downtown trail or staging area) for any length of time.

- 2.0 Method of Measurement.** Tree protection will be measured by lump sum.
- 3.0 Basis of Payment.** Payment for "Gilmore Park Tree Protection" shall be at the contract lump sum bid price and shall include full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

JOB SPECIAL PROVISION JSP-206-01
FLOWABLE SELECT MATERIAL

- 1.0 Scope.** This item shall be in accordance with Section 206 of the current approved Arkansas State Highway and Transportation Department, Standard Specifications for Highway Construction, except as modified by this Job Special Provision.
- 2.0 Method of Measurement.** Measurement will be made to the nearest cubic yard. The quantities shown on the plans will be considered the final quantities and no further measurement will be made unless, in the opinion of the Engineer or upon evidence furnished by the Contractor, substantial variations exist between the quantities shown on the plans and actual quantities due to changes in alignment or dimensions or to apparent errors.
- 3.0 Basis of Payment.** Payment for “Flowable Select Material” shall be at the contract unit price per cubic yard and shall include the cost of furnishing all labor, equipment, transportation of material, tools, and materials, and the performance of all work necessary to complete slurry fill.

JOB SPECIAL PROVISION JSP-210-01
UNCLASSIFIED EXCAVATION

- 1.0 Scope.** Unclassified excavation shall be in accordance with Section 210 of the current approved Arkansas State Highway and Transportation Department, Standard Specifications for Highway Construction, except as modified by this Job Special Provision.

All suitable material can be used on site for compaction.

Base bid quantity for Unclassified Excavation was the gross cut earthwork quantity determined by comparing proposed grade to existing surveyed grade. The quantity is a surface to surface quantity that does not reflect over excavation for pavement, bedding, backfilling, walls, utilities, riprap, or other similar incidental construction.

- 2.0 Method of Measurement.** Unclassified Excavation is a planned quantity and will not be measured in the field. The bid form quantity has been measured by the nearest cubic yard. When any pay item under this Section is shown on the plans, contract, or otherwise specified as plan quantity, the quantities for such items shall be considered as final quantities and no further measurement will be made except for undercutting of unsuitable material and backfilling with appropriate material. These final quantities will be revised if, in the opinion of the Engineer or upon evidence furnished by the Contractor, substantial variations exist between the quantities shown on the plans and the actual quantities due to changes in alignment, grade, typical section, or apparent errors. If field measurement of quantities designated on the plans as plan quantity is deemed necessary, the change in the method of measurement will be documented by an approved change order and the Contractor shall allow the Engineer sufficient time to collect the necessary original field data, if required, before any earthwork is begun.

- 3.0 Basis of Payment.** Payment for "Unclassified Excavation" shall be at the contract unit price per cubic yard and shall include full compensation for excavation; for drilling and blasting; for formation of embankment; for compaction of earthwork; for performing quality control and acceptance sampling and testing; for furnishing and applying water and aerating of soils; for trimming of slopes; for disposal of surplus material; for hauling; for preparation and completion of subgrades and shoulders or roadway; for final cleaning up of the right-of-way; and for all labor, equipment, tools, and incidentals necessary to complete the work.

JOB SPECIAL PROVISION JSP-210-02
LINEAR GRADING

- 1.0 Scope.** This item shall consist of excavation, construction of embankment, and disposal or compaction of all material that is encountered within the limits of work not being removed under other bid items. Grading should be performed to the finished grades shown on the plans using typical sections, profile grades, and spot grades provided in the drawings. Linear Grading shall be in accordance with Section 210 of the current approved Arkansas State Highway and Transportation Department, Standard Specifications for Highway Construction, except as modified by this Job Special Provision.
- 2.0 Method of Measurement.** Linear Grading will be measured by linear foot along the project alignment. The plan quantity of "Linear Grading" listed in the Bid will be the pay quantity unless an authorized change in channel or street length is made. No other measurement or payment will be made for grading of drives, side street intersection grading to curb returns (side street grading beyond curb returns included in main line street quantity), incidental grading, excavation for pipe or structures, subgrade preparation or compaction of earthwork.
- 3.0 Basis of Payment.** Payment for "Linear Grading" shall be at the contract unit price per linear foot and shall include compensation for the specified work, including unclassified excavation, and embankment and compaction, furnishing and placing any required borrow material, foundation treatment, and disposal of the existing subgrade and excess excavation off the job site. No direct payment shall be made of borrow as it shall be considered subsidiary to Linear Grading.

JOB SPECIAL PROVISION JSP-601-01
MOBILIZATION

- 1.0 Scope.** This item shall be in accordance with Section 601 of the current approved Arkansas State Highway and Transportation Department, Standard Specifications for Highway Construction, except as modified by this Job Special Provision.
- 2.0 Method of Measurement and Basis of Payment.** Mobilization will be measured as a complete unit and will be paid for at the contract lump sum price bid. In computing In computing the allowable partial payments from the schedule below, the percentage of the original Contract earned will be based on all items exclusive of the item Mobilization and any materials estimates paid. Payment for Mobilization at any of the listed stages of completion will be made on the basis of the percentage of the item allowed less all payments made.

Partial Payment Schedule	
Percent of Original Contract Amount Earned	Percentage of Bid Price for Mobilization Allowed
First Progress Estimate	25
10	50
25	100

This item will be paid for on regular estimates. Payments on percentages of the original Contract amount other than those set out above will not be considered. No adjustment in the amount bid for this item will be made for additional quantities or items of work required to satisfactorily complete the Contract. IN NO CASE SHALL THE AMOUNT BID FOR THE ITEM OF "MOBILIZATION" EXCEED 5% OF THE TOTAL CONTRACT AMOUNT FOR ALL OTHER ITEMS LISTED IN THE PROPOSAL. Should the amount entered in the Proposal for this item exceed 5%, the Engineer will reduce it to the maximum allowed amount to determine the correct total bid. Nothing herein shall be construed to limit or preclude partial payments otherwise provided for by the Contract.

JOB SPECIAL PROVISION JSP-601-02
PROJECT PHASING

- 1.0 Scope.** This item shall be in accordance with Section 601 of the current approved Arkansas State Highway and Transportation Department, Standard Specifications for Highway Construction, except as modified by this Job Special Provision.

Construction must be phased to start at the downstream end of the project (STA 8+57.55) and work upstream.

No more than 550 feet of project length (measured along stormline 100 and stormline 400 alignments) should be disturbed at one time without direct approval from the engineer. Each phase (550 feet maximum) should be stabilized with pavement or vegetation according to the plans, prior to beginning the next project phase.

Work should be phased to avoid properties with anticipated delays in ROW occupancy as identified in JSP 1001-12.

- 2.0 Method of Measurement and Basis of Payment.** No separate payment will be made for project phasing and this work should be considered incidental to the project.

JOB SPECIAL PROVISION JSP-603-01
MAINTENANCE OF TRAFFIC AND TEMPORARY STRUCTURES

- 1.0 Scope.** This item shall be in accordance with the project drawings and Section 603 of the current approved Arkansas State Highway and Transportation Department, Standard Specifications for Highway Construction, except as modified by this Job Special Provision.
- 2.0 Method of Measurement.** Maintenance of Traffic and Temporary Structures will be measured by lump sum.
- 3.0 Basis of Payment.** Payment for "Maintenance of Traffic and Temporary Structures" shall be at the contract lump sum price bid and shall include the cost of furnishing all labor, equipment, tools, fuel, and materials, and the performance of all work necessary to complete Maintenance of Traffic and Temporary Structures.

JOB SPECIAL PROVISION JSP-605-01
10 FOOT CONCRETE CHANNEL WITH CURB

- 1.0 Scope.** This item shall be in accordance with Section 605 of the current approved Arkansas State Highway and Transportation Department, Standard Specifications for Highway Construction, except as modified by this Job Special Provision.

Variance of the channel profile from established profile grade shall not be greater than 0.03 feet. During the process of the Work, the Contractor shall provide instruments such as transits, levels, laser devices, and other facilities for transferring grades from offset hubs or for setting of batter boards or other construction guides from the control points and benchmarks provided by the Contractor. The Contractor shall provide qualified personnel to use such instruments and who shall have the duty and responsibility for placing and maintaining such construction guides. If the method of transferring grades from the offset hubs to the channel requires batter boards, they shall be at least one by six inches (1" x 6") supported on two by four inch (2" x 4") stakes or approved metal rods and shall be placed every twenty-five feet (25'). At least three boards must be in place at any given time to facilitate checking of line and grade. Both line and grade shall be checked and recorded in a field book every 25 feet (minimum) the channel is laid. Contractor is responsible for achieving a straight profile between grade checks and excessive dips or peaks resulting in water ponding greater than ½" may warrant correction or rework.

- 2.0 Method of Measurement.** 10 foot Concrete Channel with Curb will be measured to nearest square yard.
- 3.0 Basis of Payment.** Payment for "10 foot Concrete Channel with Curb" shall be at the contract unit price per square yard including curbs and shall include compensation for furnishing materials, including joint filler; for constructing the concrete channel; for excavation and backfilling; for subbase preparation; and for all labor, equipment, tools, and incidentals necessary to complete the 10 foot Concrete Channel with Curb.

JOB SPECIAL PROVISION JSP-606-01
PIPE CULVERTS

- 1.0 Scope.** This item shall be in accordance with Section 606 and Section 801 of the current approved Arkansas State Highway and Transportation Department, Standard Specifications for Highway Construction, except as modified by this Job Special Provision.

Variance of the storm sewer from established profile shall not be greater than 0.03 feet. During the process of the Work, the Contractor shall provide instruments such as transits, levels, laser devices, and other facilities for transferring grades from offset hubs or for setting of batter boards or other construction guides from the control points and benchmarks provided by the Contractor. The Contractor shall provide qualified personnel to use such instruments and who shall have the duty and responsibility for placing and maintaining such construction guides. If the method of transferring grades from the offset hubs to the pipe require batter boards, they shall be at least one by six inches (1" x 6") supported on two by four inch (2" x 4") stakes or approved metal rods and shall be placed every twenty-five feet (25'). At least three boards must be in place at any given time to facilitate checking of line and grade. Both line and grade shall be checked and recorded in a field book every twenty-five feet (25') pipe is laid or the full length of the line, whichever is less.

- 2.0 Method of Measurement.** Pipe culverts is a planned quantity and will not be measured in the field. The bid form quantity has been measured by the linear foot measured along the alignment. Where inlets, catch basins, junction boxes, or other structures are included in lines of pipe, that length of pipe extending to and flush with the inside of the structure wall will be included for measurement, but no other portion of the structure length or width will be so included. No allowance will be made for any pipe cut-off. For multiple pipes, the measured length will be the sum of the lengths of the individual barrels measured as prescribed above.

- 3.0 Basis of Payment.** Payment for Pipe Culverts shall be at the contract unit price per linear foot and shall include full compensation for furnishing, hauling, and installing the pipe; for materials including joint filler for concrete pipe and connecting bands for metal pipe; for excavation and backfilling, including compacting backfill; for furnishing, placing, and compacting structural bedding and structural backfill; for removing and disposing of the existing headwall and attached end joint of concrete pipe or the flared end section on all types of pipe, in order to accomplish culvert extensions; and for all labor, equipment, tools, and incidentals necessary to complete the work.

Payment will be made under:

Pay Item:

___" Reinforced Concrete Pipe

___" x ___" Reinforced Concrete Horizontal Elliptical Pipe

Pay Unit:

Linear Foot

Linear Foot

JOB SPECIAL PROVISION JSP-606-02
FLARED END SECTIONS, WINGWALLS, AND APRONS

- 1.0 Scope.** This item shall be in accordance with Section 606 and Section 802 of the current approved Arkansas State Highway and Transportation Department, Standard Specifications for Highway Construction, except as modified by this Job Special Provision.

All reinforced concrete wingwalls shall be precast designed for HL-93 loading. Contractor to submit shop drawings sealed by structural engineer. Cast-in-place construction of concrete wingwalls and aprons may be allowed, if the contractor provides sealed shop drawings showing reinforcement and detail of connection to precast box culvert.

- 2.0 Method of Measurement.** Flared End Sections for pipe culverts and Box Culvert End Sections for reinforced concrete box culverts will be planned quantities and will not be measured in the field. The bid form quantity has been measured by each unit.

- 3.0 Basis of Payment.** Payment for shall be at the contract unit price per each and shall include full compensation for furnishing, hauling, and installing the end sections; for materials, including joint filler for concrete end sections and connecting bands for metal end sections; for excavation and backfilling, including compacting backfill; and for all labor, equipment, tools, and incidentals necessary to complete the work.

Payment will be made under:

Pay Item	Pay Unit
___" Flared End Sections for ___ Pipe Culverts	Each
___" Flared End Sections with Toewall for ___ Pipe Culverts	Each
___' x ___' Reinforced Concrete Box Wingwalls and Apron	Each
Double ___' x ___' Reinforced Concrete Box Culvert Wingwalls and Apron	Each

JOB SPECIAL PROVISION JSP-607-01
PRECAST REINFORCED CONCRETE BOX CULVERT

- 1.0 Scope.** This item shall be in accordance with Section 607 of the current approved Arkansas State Highway and Transportation Department, Standard Specifications for Highway Construction, except as modified by this Job Special Provision.

Variance of the box culvert from established profile shall not be greater than 0.03 feet. During the process of the Work, the Contractor shall provide instruments such as transits, levels, laser devices, and other facilities for transferring grades from offset hubs or for setting of batter boards or other construction guides from the control points and benchmarks provided by the Contractor. The Contractor shall provide qualified personnel to use such instruments and who shall have the duty and responsibility for placing and maintaining such construction guides. If the method of transferring grades from the offset hubs to the culvert require batter boards, they shall be at least one by six inches (1" x 6") supported on two by four inch (2" x 4") stakes or approved metal rods and shall be placed every twenty-five feet (25'). At least three boards must be in place at any given time to facilitate checking of line and grade. Both line and grade shall be checked and recorded in a field book every twenty-five feet (25') culvert is laid or the full length of the line, whichever is less.

All reinforced concrete box culverts shall be precast designed for HL-93 loading. Contractor to submit shop drawings sealed by structural engineer.

- 2.0 Method of Measurement.** Precast Reinforced Concrete Box Culvert is a planned quantity and will not be measured in the field. The bid form quantity has been measured by the linear foot along of the alignment of the reinforced concrete box culvert. No additional payment will be made for bends. Where inlets, catch basins, junction boxes, or other structures are included in lines of reinforced concrete box culvert, that length of reinforced concrete box culvert extending to and flush with the inside of the structure wall will be included for measurement, but no other portion of the structure length or width will be so included. No allowance will be made for any reinforced concrete box culvert cut-off. For multiple reinforced concrete box culverts, the measured length will be the sum of the lengths of the individual culverts measured as prescribed above.
- 3.0 Basis of Payment.** Payment for Precast Reinforced Concrete Box Culverts shall be at the contract linear foot price and shall include furnishing, hauling, and installing box culvert; for materials including but not limited to concrete, joint filler, and reinforcing steel for concrete box culverts and any connecting concrete pipes; for excavation and backfilling, including compacting backfill; for furnishing, placing, and compacting structural bedding and structural backfill; for removing and disposing of the existing headwall and attached end joint of concrete pipe, flared end, or box culverts, in order to accomplish culvert extensions; and for all labor, equipment, tools, and incidentals necessary to complete the work. No separate payment will be made for reinforcing steel.

Payment will be made under:

Pay Item:

___'x___' Reinforced Concrete Box Culvert

Pay Unit:

Linear Foot

JOB SPECIAL PROVISION JSP-609-01
INLETS AND JUNCTION BOXES

- 1.0 Scope.** Inlets and junction boxes shall be in accordance with Section 609 of the current approved Arkansas State Highway and Transportation Department, Standard Specifications for Highway Construction, except as modified by this Job Special Provision.

Precast inlets and junction boxes will be allowed pending Engineer approval.

- 2.0 Method of Measurement.** Inlets and Junction Boxes are planned quantities and will not be measured in the field. The bid form quantity has been measured by each structure.
- 3.0 Basis of Payment.** Payment for Inlets and Junction Boxes shall be at the contract unit price per each and shall include the cost of furnishing all labor, equipment, tools, materials, and the performance of all work necessary to construct each inlet and junction box. No separate payment will be made for excavation, drilling, dowels, tie bars, Portland cement concrete, steel welded wire reinforcement, subgrade compaction, aggregate base material, risers, inlet frames, gaskets, grout, collar boxes and connections, and all incidental items as these items shall be subsidiary to Inlets and Junction Boxes.

Payment will be made under:

Pay Item:	Pay Unit:
Reinforced Concrete Box Culvert Manhole Riser	Each
___' x ___' Junction Box	Each
___' x ___' Junction Box (Cast-In-Place)	Each
___' x ___' Area Inlet	Each
___' x ___' Combination Inlet (Neenah R-3067-L Grate)	Each
___' x ___' Combination Inlet (Neenah R-3295-2L Grate)	Each
___' x ___' Combination Inlet (Neenah R-3295-3L Grate)	Each
___' x ___' Curb Inlet (Non-Setback)	Each
___' x ___' Grate Inlet (Neenah R-2560-E2 Grate)	Each
___' x ___' Grate Inlet (Neenah R-3338-G Grate)	Each
___' x ___' Grate Inlet (Neenah R-3362-L Grate)	Each
___' x ___' Grate Inlet (Neenah R-3408-L Grate)	Each

JOB SPECIAL PROVISION JSP-615-01
ASPHALT PAVEMENT REPLACEMENT

- 1.0 Scope.** This item shall be in accordance with Section 615 of the current approved Arkansas State Highway and Transportation Department, Standard Specifications for Highway Construction, except as modified by this Job Special Provision.
- 2.0 Method of Measurement.** Asphalt Pavement Replacement will be measured by the nearest square yard.
- 3.0 Basis of Payment.** Payment for “Asphalt Pavement Replacement” shall be at the contract unit price per square yard and shall include the cost of furnishing all labor, equipment, tools, and materials, and the performance of all work necessary to complete asphalt pavement replacement. No separate payment will be made for sawing, drilling, dowels, tie bars, Portland cement concrete, asphalt, subgrade compaction, aggregate base material, and all incidental items as these items shall be subsidiary to “Asphalt Pavement Replacement”.

JOB SPECIAL PROVISION JSP-620-01
SEEDING, MULCHING, AND FERTILIZER

- 1.0 Scope.** This item shall be in accordance with Section 620 of the current approved Arkansas State Highway and Transportation Department, Standard Specifications for Highway Construction, except as modified by this Job Special Provision.
- Topsoil for preparation of seedbed will be provided in accordance with JSP-628-01 Topsoil Furnished and Placed.
- 2.0 Method of Measurement.** Seeding, Mulching, and Fertilizer is a planned quantity and will not be measured in the field. The bid form quantity has been measured by the nearest 1/100 acre of the surface.
- 3.0 Basis of Payment.** Payment for “Seeding, Mulching, and Fertilizer” shall be at the contract unit price per nearest 1/100 acre and shall include the cost of furnishing all labor, equipment, tools, and materials, and the performance of all work necessary to complete seeding, mulching, and fertilizer. No separate payment will be made for lime, fertilizer, seed, mulch, water, fuel, and all incidental items as these items shall be subsidiary to “Seeding, Mulching, and Fertilizer”.

JOB SPECIAL PROVISION JSP-624-01
SOD

- 1.0 Scope.** This item shall be in accordance with Section 624 of the current approved Arkansas State Highway and Transportation Department, Standard Specifications for Highway Construction, except as modified by this Job Special Provision.
- Topsoil for preparation of sod-bed will be provided in accordance with JSP-628-01 Topsoil Furnished and Placed.
- 2.0 Method of Measurement.** Sod is a planned quantity and will not be measured in the field. The bid form quantity has been measured by the nearest square foot of the surface.
- 3.0 Basis of Payment.** Payment for “Sod” shall be at the contract unit price per nearest square foot and shall include the cost of furnishing all labor, equipment, tools, and materials, and the performance of all work necessary to complete sod. No separate payment will be made for lime, fertilizer, seed, mulch, water, fuel, and all incidental items as these items shall be subsidiary to “Sod”.

JOB SPECIAL PROVISION JSP-621-01
EROSION AND SEDIMENT CONTROL

- 1.0 Scope.** Erosion and Sediment Control shall be in accordance with Section 621 of the current approved Arkansas State Highway and Transportation Department, Standard Specifications for Highway Construction, except as modified by this Job Special Provision.

Erosion and sediment control shall include all measures necessary including, but not limited to, the installation, maintenance and removal of temporary erosion and pollution control as required during the construction of the project to prevent erosion and pollution in accordance with federal, state, and City of Bentonville requirements. The contractor shall utilize and comply with all requirements of the City of Bentonville's Stormwater Pollution Prevention Plan (SWPPP). All erosion and sediment control plans shall be incorporated in the SWPPP. Contractor shall maintain the SWPPP throughout the project and complete the required documentation until the site is stabilized and accepted by the Engineer.

Erosion control plans represent the least possible protection for the project. It is anticipated that additional Best Management Practices (BMP's) will be required to complete the project. All BMP's show on the plans and those additional BMP's required to complete the project shall be subsidiary to erosion and sediment control.

The contractor shall be responsible for all fines associated with failure to comply with the City Bentonville, General Operating Permit, and Stormwater Pollution Prevention Plan (SWPPP).

- 2.0 Method of Measurement.** Erosion and Sediment Control will be measured by each structure type.

- 3.0 Basis of Payment.** Payment for "Erosion and Sediment Control" shall be at the contract each unit price bid and shall include the cost of furnishing all labor, equipment, tools, and materials, and the performance of all work necessary to complete erosion and sediment control.

Payment will be made under:

Pay Item:	Pay Unit:
Sediment Control Barrier	Linear Foot
Inlet Protection	Each
Stabilized Gravel Construction Entrance/Exit	Square Yard
Concrete Washout	Each

JOB SPECIAL PROVISION JSP-626-01
EROSION CONTROL MATTING

- 1.0 Scope.** This item shall be in accordance with Section 626 of the current approved Arkansas State Highway and Transportation Department, Standard Specifications for Highway Construction, except as modified by this Job Special Provision.
- 2.0 Method of Measurement.** Erosion Control Mat will be measured by square yard.
- 3.0 Basis of Payment.** Payment for “Erosion Control Mat” shall be at the contract unit price per square yard and shall include full compensation for furnishing all labor, materials, equipment, tools, and incidentals necessary to complete the work.

JOB SPECIAL PROVISION JSP-628-01
TOPSOIL FURNISHED AND PLACED

- 1.0 Scope.** This item shall be in accordance with Section 628 of the current approved Arkansas State Highway and Transportation Department, Standard Specifications for Highway Construction, except as modified by this Job Special Provision.

Prior to grading activities, contractor shall remove the top 4 inches of topsoil from vegetated areas and stockpile. Stockpiled topsoil should be temporarily stabilized according to erosion control requirements. Topsoil should be reused on project site prior to seeding and sodding.

For Seeding, Mulching, and Fertilizer areas, 4 inches of Topsoil shall be provided for seedbed preparation. Topsoil shall be placed and spread over the designated areas to a depth sufficiently greater than shown on the Plans or specified so that after settling, the completed Work will conform with the thickness and elevations shown on the Plans. The seed shall be placed in accordance with JSP-620-01 Seeding, Mulching, and Fertilizer.

For Sod areas, 2 inches of Topsoil shall be provided for sod-bed preparation. Topsoil shall be placed and spread over the designated areas to a depth sufficiently greater than shown on the Plans or specified so that after settling, the completed Work will conform with the thickness and elevations shown on the Plans. The sod shall be placed in accordance with JSP-624-01 Sod.

- 2.0 Method of Measurement.** Topsoil is a planned quantity and will not be measured in the field. The bid form quantity has been measured by the nearest square yard of the surface.
- 3.0 Basis of Payment.** Payment for "Topsoil" shall be at the contract unit price per the nearest square yard and shall include the cost of furnishing all labor, equipment, tools, and materials, and the performance of all work necessary to complete Topsoil. No separate payment will be made for furnishing, hauling, stockpiling, moving, and placing topsoil and all incidental items as these items shall be subsidiary to "Topsoil".

JOB SPECIAL PROVISION JSP-637-01
MAILBOX REPLACEMENT

- 1.0 Scope.** This item shall be in accordance with Section 637 of the current approved Arkansas State Highway and Transportation Department, Standard Specifications for Highway Construction, except as modified by this Job Special Provision.
- 2.0 Method of Measurement.** Mailbox Replacement will be measured by each.
- 3.0 Basis of Payment.** Payment for "Mailbox Replacement" shall be at the contract unit price per each and shall include full compensation for furnishing all materials; for setting posts; for removing and reattaching existing mailboxes; and for all labor, equipment, tools, and incidentals necessary to complete the mailbox replacement.

JOB SPECIAL PROVISION JSP-641-01
WHEELCHAIR RAMPS

- 1.0 Scope.** This item shall be in accordance with Section 641 of the current approved Arkansas State Highway and Transportation Department, Standard Specifications for Highway Construction, except as modified by this Job Special Provision.
- 2.0 Method of Measurement.** Wheelchair Ramps will be measured by nearest square foot.
- 3.0 Basis of Payment.** Payment for "Wheelchair Ramps" shall be at the contract unit price per square foot and shall include full compensation for excavation and backfilling; for furnishing materials including joint filler; for constructing the wheelchair ramp, including the concrete island; constructing landings shown on wheelchair ramp spot grading sheets; for furnishing and placing cast-in-place tactile panels; and for all equipment, tools, labor, and incidentals necessary to complete the work.

JOB SPECIAL PROVISION JSP-816-01
RIPRAP

- 1.0 Scope.** This item shall be in accordance with Section 816 of the current approved Arkansas State Highway and Transportation Department, Standard Specifications for Highway Construction, except as modified by this Job Special Provision.

The material for riprap shall consist of a durable stone, shot rock. Acceptance by the engineer may be by visual inspection. All materials shall meet the following gradation:

Riprap Designation	Percent (%) Smaller than Given by Weight	Intermediate Rock Dimension (inches)	d₅₀ (inches)*
Type 1 Riprap	70-100	15	9**
	50-70	12	
	35-50	9	
	2-10	3	

*d₅₀ = mean particle size (intermediate dimension)

**Mix riprap with 30 percent (by volume) topsoil and bury it with 6 or more inches of topsoil, vibration compacted.

- 2.0 Method of Measurement.** Riprap will be measured by the nearest cubic yard.
- 3.0 Basis of Payment.** Payment for Riprap shall be at the contract unit price per Cubic Yard and shall include full compensation for furnishing materials, including reinforcing steel when specified on the plans; for preparation of the slope; for excavation including toe trench and backfill; for performing mix designs, and quality control and acceptance sampling and testing for concrete riprap; for placing; and for all labor, equipment, tools, and incidentals necessary to complete the work.

Payment will be made under:

Pay Item:

Type 1 Riprap

Pay Unit:

Cubic Yard

JOB SPECIAL PROVISION JSP-1001-01
CONCRETE DRIVEWAY REPLACEMENT

- 1.0 Scope.** Construct concrete driveway in accordance with Article 400 of the current approved City of Bentonville Minimum Standard Specifications for Street.
- 2.0 Method of Measurement.** Concrete Driveway Replacement will be measured by nearest square yard.
- 3.0 Basis of Payment.** Payment for “Concrete Driveway Replacement” shall be at the contract unit price per square yard and shall include the cost of furnishing all labor, equipment, tools, and materials and performance of all work necessary to complete the concrete driveway. No separate payment will be made for sawing, drilling, dowels, tie bars, Portland cement concrete, steel welded wire reinforcement, subgrade compaction, aggregate base material, and all incidental items as these items shall be subsidiary to “Concrete Driveway Replacement”.

JOB SPECIAL PROVISION JSP-1001-02
CURB AND GUTTER (ALL TYPES)

- 1.0 Scope.** This item shall be in accordance with Article 500 of the current approved City of Bentonville Minimum Standard Specifications for Streets, except as modified by this Job Special Provision.
- 2.0 Method of Measurement.** Curb and Gutter will be measured by the linear foot along the face of the curb at the gutter line, excluding the curb and/or curb and gutter within the limits of drop inlets and drop inlet extensions as shown in the standard drawings.
- 3.0 Basis of Payment.** Payment for “Curb and Gutter” shall be at the contract unit price per linear foot and shall include full compensation for furnishing materials, including joint filler; for forms; for mixing, placing, and finishing concrete; for performing mix designs and quality control and acceptance sampling and testing; for excavation and backfilling; and for all labor, equipment, tools, and incidentals necessary to complete the work.

JOB SPECIAL PROVISION JSP-1001-03
SIDEWALKS AND TRAILS

- 1.0 Scope.** Sidewalks and Trails shall be in accordance with Article 900 of the current approved City of Bentonville Minimum Standard Specifications for Streets, except as modified by this Job Special Provision.

For trail crossing at STORMLINE 100 STA 15+10 install 12" solid white crosswalk markings (10-ft long, 30" gap).

For trail crossing at STORMLINE 100 STA 19+30, grind and remove existing striping then install 12" solid white crosswalk markings (10-ft long, 30" gap).

For road crossing at WATERLINE 3 STA 3+45 install 12" solid white crosswalk markings (10-ft long, 30" gap). Detectable warning strips for this crossing are incidental to Sidewalk Pay Item.

- 2.0 Method of Measurement.** Sidewalks and Trails will be measured in the field to the nearest square yard. Detectable warning strips will be measured in the field to the nearest linear foot for full width of sidewalk or trail.

- 3.0 Basis of Payment.** Payment for Sidewalks and Trails shall be paid at the contract unit price per square yard and shall include the cost of furnishing all labor, equipment, tools, and materials, and the performance of all work necessary to construct sidewalks and trails. No separate payment will be made for sawing, drilling, dowels, tie bars, Portland cement concrete, steel welded wire or fiber reinforcement, subgrade compaction, aggregate base material, and all incidental items as these items shall be subsidiary to Sidewalks and Trails. Pavement markings at trail crossings are considered subsidiary to the pay item for concrete trail. Payment for Detectable warning strips shall be paid at the contract unit price per linear foot and shall include the cost of furnishing all labor, equipment, tools, and materials, and the performance of all work necessary to construct detectable warning strips.

Payment will be made under:

Pay Item:	Pay Unit:
Sidewalk	Square Yard
Concrete Trail	Square Yard
Detectable Warning Strips	Linear Foot

JOB SPECIAL PROVISION JSP-1001-04
WATER LINE RELOCATION

- 1.0 Scope.** Water Line Relocation covers the materials and construction requirements to relocate an existing water line. Water Distribution System Materials shall be in accordance with Section 12 of the current approved City of Bentonville, Water Utilities Department Specifications, except as modified by this Job Special Provision. Installation of Water Distribution System Materials shall be in accordance with Section 13 of the current approved City of Bentonville, Water Utilities Department Specifications, except as modified by this Job Special Provision.
- 2.0 Method of Measurement.** Pipe furnishings will be measured by linear foot and pipe fittings will be measured by each.
- 3.0 Basis of Payment.** Payment for Water Line Relocation shall be at the contracted price per pay unit and shall include the cost of furnishing all labor, equipment, tools, and materials and performance of all work necessary to complete the water line relocation. Removal and abandonment of existing water lines will be subsidiary to demolition.

Payment will be made under:

Pay Item:	Pay Unit:
4" Tapping Sleeve & Valve	Each
4" DI Spool 8"x4" Reducer	Each
8" Tapping Sleeve & Valve	Each
8" 11.25 Degree Bend	Each
8" 45 Degree Bend	Each
8" 90 Degree Bend	Each
8" Gate Valve	Each
8" MJ TEE	Each
8" C900/D14 Pipe	Linear Foot
16" Steel Encasement	Linear Foot
Connection of Relocation Water Meter & Service Line	Each
Fire Hydrant Assembly	Each

JOB SPECIAL PROVISION JSP-1001-05
SANITARY SEWER LATERAL ADJUSTMENT

- 1.0 Scope.** Sanitary Sewer Lateral Adjustment shall be in accordance with the current approved City of Bentonville, Water Utilities Department Specifications, except as modified by this Job Special Provision.
- 2.0 Method of Measurement.** Sanitary Sewer Lateral Adjustment will be measured by each. Two lateral adjustments are included in the project quantities, however this quantity will be field adjusted based on the presence and location of sewer laterals in the field.
- 3.0 Basis of Payment.** The cost of "Sanitary Sewer Lateral Adjustment" will be paid for at the contract unit price per each and shall include all costs necessary to complete the work as required to complete the Sanitary Sewer Lateral

JOB SPECIAL PROVISION JSP-1001-06
CONCRETE COLLAR

- 1.0 Scope.** This work shall consist of concrete collars constructed around a pipe joint as shown on the plans or as directed by the engineer.
- 2.0 Method of Measurement.** Concrete Collar is a planned quantity and will not be measured in the field. The bid form quantity has been measured per each.
- 3.0 Basis of Payment.** Payment for "Concrete Collar" shall be at the contract unit price per each and shall include full compensation for furnishing all materials, forms, falsework, and bracing; for mixing, placing, consolidating, finishing and curing; and for all labor, equipment, tools, and incidentals necessary to complete the work. Reinforcing steel placed in this concrete will not be measured or paid for separately, but full compensation therefor will be considered included in the contract unit prices bid for the concrete collar.

JOB SPECIAL PROVISION JSP-1001-07
WALK AND DRIVEWAY REPLACEMENTS

- 1.0 Scope.** This item shall consist of removing and reconstructing existing driveways and walks where shown on the plans or designated by the Engineer, and shall be done in conformity with the plans and according to these specifications.
- 2.0 Construction Requirements.** For Brick Walk Replacement, prior to disturbance, the Contractor shall photograph existing conditions in order to restore the existing brick walk to pre-project conditions. The Contractor shall attempt to salvage existing bricks for reconstruction. Materials that are not in a condition to be moved shall be replaced by serviceable materials of the same type and size. Replacement materials shall be furnished by the Contractor and be satisfactory to the Engineer. Excess and unserviceable materials shall be disposed of according to Section 201 of the current approved Arkansas State Highway and Transportation Department, Standard Specifications for Highway Construction. For Gravel Driveway Replacement, Class 8 Aggregate Base Course and Subgrade material shall be used for construction of the Gravel Driveway. Materials requirements for gravel driveways shall be in accordance with Section 302 of the current approved Arkansas State Highway and Transportation Department, Standard Specifications for Highway Construction, except as modified by this Job Special Provision. Gravel should be spread evenly and lightly compacted.
- 3.0 Method of Measurement.** Brick Walk Replacement and Gravel Driveway Replacement will be measured by nearest square yard.
- 4.0 Basis of Payment.** Payment for walk and driveway replacements shall be at the contract unit price per square yard and shall include the cost of furnishing all labor, equipment, tools, and materials and performance of all work necessary to complete the work. No separate payment will be made for subgrade compaction, aggregate base material, and all incidental items as these items shall be subsidiary to walk and driveway replacements.

Payment will be made under:

Pay Item:

Brick Walk Replacement

Gravel Driveway Replacement

Pay Unit:

Square Yard

Square Yard

JOB SPECIAL PROVISION JSP-1001-08
EXCAVATION FOR UTILITY POINT REPAIR BY BWUD

- 1.0 Scope.** This item shall be in accordance with Section 801 of the current approved Arkansas State Highway and Transportation Department, Standard Specifications for Highway Construction and the current approved City of Bentonville, Water Utilities Department Specifications, except as modified by this Job Special Provision.

This item includes excavation to expose the portion of the existing water or sewer line shown for replacement on the project drawings. Contractor should contact BWUD a minimum of 5 days prior to excavation to coordinate schedule for point repair of utility line. All materials and labor for pipe repair will be provided by BWUD. Contractor will be responsible for exposing the repair length and backfilling and compacting per specifications, upon completion of the point repair.

- 2.0 Method of Measurement.** Excavation for utility point repair is a planned quantity based on the length of pipe repair and will be measured in the field. The bid form quantity has been measured by the linear foot measured along the pipe alignment.

- 3.0 Basis of Payment.** Payment for "Excavation for utility point repair by BWUD" shall be at the contract unit price per linear foot and shall include excavation and backfilling, including compacting backfill; for furnishing, placing, and compacting structural bedding and structural backfill; and for all labor, equipment, tools, and incidentals necessary to complete the work.

Payment will be made under:

Pay Item:
Excavation for Utility Point Repair by BWUD

Pay Unit:
Linear Foot

JOB SPECIAL PROVISION JSP-1001-09
MAINTAINING ACCESS TO ROADWAY, PRIVATE DRIVEWAYS, AND SIDEWALKS

- 1.0 Scope.** The contractor shall pay special care to maintain access to private driveways and maintain function of public trails at all times during construction.

When absolutely necessary to close a driveway, the city and property owner should be notified and the maximum closure time shall be no more than 8 hours, without special approval from the city. A closure is considered any instance when a vehicle is unable to safely cross without obstruction. If necessary, temporary gravel surfacing may be used to restore service while actively coordinating placement of concrete (or other finished surface, per plans).

Specific locations where special care should be provided to maintain continuous access during construction:

- Townhome parking lot at approximately STA 21+50 to STA 24+25. One lane of access shall be maintained at all times from 5th street to the northern-most property in this lot. Additionally, the period of time between pavement removal and replacement of pavement and temporary stabilization of grassed areas within these stations shall be limited to no more than 28 calendar days.
- Contractor to coordinate schedule with city prior to demolition of any existing fences, pavement, or other personal property located between STA 21+50 and STA 26+00. 30 days written notice will be required prior to disturbance of this area. Once work commences in this area, contractor must complete sewer construction and grade and provide temporary stabilization of grassed areas within these stations within 60 calendar days. Work should start promptly, 30 days after notice is given and progress continuously until work is completed in the station range.
- Trail access at SW 5th and SE D Street shall be maintained at all times by providing aggregate base and temporary asphalt for detour route and following the traffic control recommendations in the project drawings and MUTCD.

All roadways and sidewalks shall remain open to the public except for limited closures of no more than 5 days. Temporary pavement may be used at contractor's discretion to restore access prior to permanent paving. One additional closure of no more than 24 hours will be allowed for permanent pavement replacement. Additional closures are not warranted.

- 2.0 Basis of Payment.** No direct payment will be made for this item and any costs associated with the requirements of this section should be included in other bid items.
- 3.0 Liquidated Damages.** Liquidated damages may be applied if the contractor is unable to meet the requirements of this section. Liquidated damages shall be \$1000 per day. For driveway closures liquidated damages will be applied starting at the 9th hour and every 24 hours following until the requirements are met.

JOB SPECIAL PROVISION JSP-1001-10
TEMPORARY FENCING

- 1.0 Scope.** The contractor shall provide temporary fencing to provide yard closure to contain pets during construction, where noted on the plans.

Temporary fencing shall be constructed before removal of any existing fencing where indicated on the plans and where required to contain animals. Temporary fencing may be woven wire or plastic with steel posts with a maximum spacing of 10 feet on center and shall effectively prevent pets from escaping yards. Nailing to trees or the use of electrified fencing shall not be permitted. Temporary fencing shall be maintained until the new permanent fencing is completed and then the temporary fencing will be removed in its entirety.

- 2.0 Basis of Payment.** No direct payment will be made for this item and any costs associated with the requirements of this sections should be considered subsidiary to demolition and removals.

JOB SPECIAL PROVISION JSP-1001-11
CONTINGENCY ALLOWANCE

- 1.0 Scope.** This item shall consist of providing \$200,000 allowance for the City of Bentonville to add miscellaneous additional work to this project as need arises during construction.
- 2.0 Materials:** Materials shall be as required by the City of Bentonville.
- 3.0 Construction Requirements:** Contractor shall perform additional items of work per the direction of the City of Bentonville as such additional work items are deemed necessary during the course of construction. After the City has determined the need for additional work items, the Contractor will be asked to price the requested work accordingly. Any such additional work under this item will be limited to \$200,000 or less depending on the City's exact construction needs and requirements. Any requested additional items of work exceeding that amount must be handled separately through a change order process requiring City Council approval. The contractor must bid exactly \$200,000 for this allowance item or bid will be subject to rejection.
- 4.0 Method of Measurement.** Contingency Allowance (\$200,000) shall be measured as a lump sum (LS).
- 5.0 Basis of Payment.** Contingency Allowance (\$200,000), completed, accepted, and measured as provided above will be paid for at the actual proportionate amount of the full lump sum (LS) price that is ultimately utilized by the City of Bentonville, which price shall be full compensation for completing any such additional work items to the satisfaction of the City Engineer.

JOB SPECIAL PROVISION JSP-1001-12
DELAY IN RIGHT OF WAY OCCUPANCY

Right of occupancy and use of the right of way has been completed and will be clear for construction activities upon completion of utility relocations for all tracts except those otherwise noted below.

For the following tracts, right of way occupancy and use of the right of way will be delayed. The city and their consultant are currently working to acquire these right-of-way and easements and it is expected to be progressively completed, with all tracts expected to be complete by March 1, 2024.

Tracts

5, 24, 25, 30, 31, and 34

The Contractor is forewarned that they will in no event be allowed to perform work in the area(s) mentioned above until right of occupancy and use has, in fact, been extended to them. Contractor will be updated as more information is available. Work is only authorized within right-of-way and tracts approved for ROW occupancy.

While utility relocations are expected to be completed prior to ROW occupancy, the contractor is responsible for coordinating with each utility to confirm relocations are complete prior to starting work. City will provide updates of utility status at pre-construction meeting.

Stormwater Pollution Prevention Plan (SWPPP) for Construction Activity
for Small Construction Sites

National Pollutant Discharge Elimination System (NPDES)
General Permit # ARR150000

Prepared for:

City of Bentonville,
Benton County, AR

Date:

10/24/2023

Prepared by:

Olsson
203 E. Millsap Rd.
Fayetteville, AR

Project Name and Location: Southwest 3rd & B Street Stormwater Improvements, Bentonville, AR
Property Parcel Number (Optional): _____
Operator Name and Address: City of Bentonville, 3200 SW Municipal Drive, Bentonville, AR 72712

Site Description

- a. Project description, intended use after NOI is filed: The project consists of storm sewer improvements for SW 3rd Street and B Street, SW 6th Street and Glover Lateral, and SW 10th Street and F Street Collection System sites which are interconnected and have been combined into one project area.

The proposed storm sewer is composed of two main sections, Stormline 100 and Stormline 400. Stormline 400 runs south from the intersection of SW 4th Street and SW E Street to the intersection of SW 6th Street and SW E Street along the west side of 4th Street. From there it runs east parallel to the Downtown Trail for approximately 380 ft where it will connect to Stormline 100. Stormline 100 begins upstream at the intersection of SW 3rd Street and SW B Street. It runs along the west side of SW B Street for approximately 495 feet to SW 4th Street. From there, the proposed storm line runs along the south side of SW 4th Street for approximately 140 feet and then runs south in an alley between 17 properties to SW 5th Street. At SW 5th Street the proposed storm line runs parallel to the existing Downtown Trail for 667 feet. The storm line then opens into a channel that will run south beside the Walmart Global People Center. At SW 8th street the flow will be enclosed in a box culvert and connected to the 8th Street Corridor Improvements project being designed by Burns and McDonnell.

B. Sequence of major activities which disturb soils:

General Sequence of activities:

1. Obtain all necessary permits (if required).
2. Know and maintain an Arkansas Department of Energy & Environment - Division Environmental Quality (ADEQ) approved Stormwater Pollution Prevention Plan (SWPPP) implemented for construction sites.
3. Inform all personnel and subcontractors of SWPPP and relate where to post the Construction Site Notice and house SWPPP.
4. Have all existing utilities located.
5. Install tree preservation, erosion and sediment control devices in accordance with the Plans and this SWPPP.
6. Grade the site per the grading plan.
7. Construct Improvements (see Plan Set). Maintain temporary erosion and sediment control devices as needed.
8. Bring all areas to final grade.
9. Stabilize all areas, place topsoil, landscaping, and sod.

10. When all construction is completed, the site is 100% stabilized at 80% density, and approved by the Engineer, remove all temporary sediment control BMPs. Stabilize with sodding or seeding any areas disturbed by their removal.

a. Total Area¹: 3.18 Acres Disturbed Area²: 3.18 Acres

b. Soils Information:

- i. Runoff Coefficient Pre-Construction (See Appendix A) : 0.516
- ii. Runoff Coefficient Post-Construction (See Appendix A) : 0.571
- iii. Describe the soil or the quality of any discharge from the site:

<u>Soil Series</u>	<u>Hydrologic Soil Group</u>
Captina silt loam, 1 to 3 percent slopes	C/D
Cherokee silt loam	D
Johnsburg silt loam, 0 to 2 percent slopes	D
Peridge silt loam, 1 to 3 percent slopes	B

C. Responsible Parties

Be sure to assign all SWPPP related activities to an individual or position; even if the specific individual is not yet known (i.e. contractor has not been chosen).

Individual/Company	Phone Number	Service Provided for SWPPP (i.e., Inspector, SWPPP revisions, Stabilization Activities, BMP Maintenance, etc.)
City of Bentonville	(479) 271-3168	Owner/Permittee
Contractor (TBD)		SWPPP revisions, Stabilization Activities, BMP Maintenance, etc.
Olsson	479-443-3404	SWPPP Developer

D. Receiving Waters

- a. The following waterbody (or waterbodies) receives stormwater from this construction site: Part of the project drains to an unnamed tributary to McKisic Creek, then ultimately the Illinois and Arkansas Rivers. The other part of the project drains to an unnamed tributary to Little Osage Creek, then to Osage Creek, then ultimately to the Illinois and Arkansas Rivers.
- b. Is the project located within the jurisdiction of an MS4? ☒ Yes ☐ No
 - i. If yes, Name of MS4: City of Bentonville

c. Ultimate Receiving Water:

- | | |
|--|--|
| ☐ Red River | ☐ White River |
| ☐ Ouachita River | ☐ St. Francis River |
| ☒ Arkansas River | ☐ Mississippi River |

¹Increases in total acreage require an additional acreage request, an updated SWPPP and a \$200 modification fee to be submitted to ADEQ.

²Increases in only disturbed acreage require an additional acreage request and an updated SWPPP to be submitted to ADEQ.

E. Documentation of Permit Eligibility Related to the 303(d) list and Total Maximum Daily Loads (TMDL) (<https://www.adeg.state.ar.us/water/planning/>)

a. Does the stormwater enter a waterbody on the 303(d) list or with an approved TMDL? ☐ Yes ☒ No

b. If yes:

- i. Waterbody identified on 303(d) list: _____
- ii. Pollutant addressed on 303(d) list or TMDL: _____
- iii. This specific project ,or generally construction activity i.e. surface erosion, is identified on 303(d) list or associated assumptions and allocations identified in the TMDL for the discharge: ☐ Yes ☐ No
- iv. Additional controls implemented: _____

F. Attainment of Water Quality Standards After Authorization

- a. The permittee must select, install, implement, and maintain BMPs at the construction site that minimize pollutants in the discharge as necessary to meet applicable water quality standards. In general, except in situations explained below, the SWPPP developed, implemented, and updated to be considered as stringent as necessary to ensure that the discharges do not cause or contribute to an excursion above any applicable water quality standard.
- b. At any time after authorization, the Department may determine that the stormwater discharges may cause, have reasonable potential to cause, or contribute to an excursion above any applicable water quality standard. If such a determination is made, the Department will require the permittee to:
 - i. Develop a supplemental BMP action plan describing SWPPP modifications to address adequately the identified water quality concerns and submit valid and verifiable data and information that are representative of ambient conditions and indicate that the receiving water is attaining water quality standards; or

- ii. Cease discharges of pollutants from construction activity and submit an individual permit application.

I understand and agree to follow the above text regarding the attainment of water quality standards after authorization. ☒Yes ☐No

G. Site Map Requirements (Attach Site Map):

- a. Pre-construction topographic view;
- b. Direction of stormwater flow (i.e., use arrows to show which direction stormwater will flow) and approximate slopes anticipated after grading activities;
- c. Delineate on the site map areas of soil disturbance and areas that will not be disturbed under the coverage of this permit;
- d. Location of major structural and nonstructural controls identified in the plan;
- e. Location of main construction entrance and exit;
- f. Location where stabilization practices are expected to occur;
- g. Locations of off-site materials, waste, borrow area, or equipment storage area;
- h. Location of areas used for concrete wash-out;
- i. Location of all surface water bodies (including wetlands) with associated natural buffer boundary lines. Identify floodplain and floodway boundaries, if available;
- j. Locations where stormwater is discharged to a surface water and/or municipal separate storm sewer system if applicable,
- k. Locations where stormwater is discharged off-site (should be continuously updated);
- l. Areas where final stabilization has been accomplished and no further construction phase permit requirements apply;
- m. A legend that identifies any erosion and sediment control measure symbols/labels used in the site map and/or detail sheet; and
- n. Locations of any storm drain inlets on the site and in the immediate vicinity of the site.

H. Stormwater Controls

- a. Initial Site Stabilization, Erosion and Sediment Controls, and Best Management Practices:
 - i. Initial Site Stabilization: Construction will progress as indicated in the sequence of major activities noted in the Plan Set and this SWPPP. Erosion and sediment control measures shall be installed prior to beginning any construction activities as noted on the Erosion Control

Sheets. Erosion control devices will be maintained throughout construction activities.

- ii. Erosion and Sediment Controls: Erosion and sediment controls shall include sediment control barriers (silt fence), inlet protection, erosion control matting, and gravel construction entrance/exit. Additionally, to control wind erosion, disturbed areas shall be sprayed with water on an as-needed basis according to site conditions.

- iii. If periodic inspections or other information indicates a control has been used inappropriately or incorrectly, the operator will replace or modify the control for site situations: ☒Yes ☐No

If No, explain: _____

- iv. Off-site accumulations of sediment will be removed at a frequency sufficient to minimize off-site impacts: ☒Yes ☐No

If No, explain: _____

- v. Sediment will be removed from sediment traps or sedimentation ponds when design capacity has been reduced by 50%: ☐Yes ☒No

If No, explain: Due to the size of the project and anticipated disturbed area, sediment basins and traps will not be needed during construction.

- vi. Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges: ☒Yes ☐No

If No, explain: _____

- vii. Off-site material storage areas used solely by the permitted project are being covered by this SWPPP: ☐Yes ☒No

If Yes, explain additional BMPs implemented at off-site material storage area: _____

b. Stabilization Practices

- i. Description and Schedule: Permanent seeding and mulch cover shall be utilized as the primary stabilization practice. Seeding shall be performed by hydro-seeding, by hand, or by a mechanical broadcasting method. Seeding rates and types shall be in accordance with the Contract Documents on which construction activities have ceased (temporarily or permanently). Sodding shall be placed in accordance with the project

plans. Exposed bare earth sections should be protected by evenly distributed hay, straw or wood mulch before a rain event. Dust shall be controlled by sufficiently wetting dusty areas, as needed. To all extents possible, construction activities shall be isolated as to limit areas of disturbance. Areas where construction ceases for more than 14 days shall be stabilized with a seed/straw mulch at a coverage rate of 2 tons/acre. Accumulated sediment and erosion control devices will be removed after 100% stabilization at 80% density.

- ii. Are buffer areas required? ☐Yes ☒No

If Yes, are buffer areas being used? ☐Yes ☐No

If Yes, describe natural buffer areas: _____

If No, explain why not: _____

- iii. A record of the dates when grading activities occur, when construction activities temporarily or permanently cease on a portion of the site, and when stabilization measures are initiated shall be included with the plan.

☒Yes ☐No

If No, explain: _____

- iv. Deadlines for stabilization:

1. Stabilization procedures will be initiated 14 days after construction activity temporarily ceases on a portion of the site.
2. Stabilization procedures will be initiated immediately in portions of the site where construction activities have permanently ceased.

c. Structural Practices

- i. Describe any structural practices to divert flows from exposed soils, store flows, or otherwise limit runoff and the discharge of pollutants from exposed areas of the site: Sediment control barriers (silt fence) shall be in place during ongoing earthwork operations.

- ii. Describe Velocity Dissipation Devices: Sediment control barriers (silt fence) shall be place at construction limits.

- iii. Sediment Basins:

Are 10 or more acres draining to a common point? ☐Yes ☒No

Is a sediment basin included in the project? ☐Yes ☒No

If Yes, what is the designed capacity for the storage?

☐3600 cubic feet per acre = : _____

or

☐ 10 year, 24 hour storm = : _____

☐ Other criteria were used to design basin: _____

If No, explain why no sedimentation basin was included and describe required natural buffer areas and other controls implemented instead: Due to the size of the project and anticipated disturbed area, sediment basins will not be needed during construction. Offsite drainage area will be picked up by area inlets and drainage ditches. Offsite drainage area consists of single-family residential area and undeveloped pasture. No sedimentation will be accumulated from offsite area.

I. Other Controls

- a. Solid materials, including building materials, shall be prevented from being discharged to Waters of the State: ☒ Yes ☐ No

- b. Off-site vehicle tracking of sediments and the generation of dust shall be minimized through the use of:

☒ A stabilized construction entrance and exit

☒ Vehicle tire washing

☒ Other controls, describe: Existing roads will be used to access construction site where practicable. Contractor shall mechanically sweep street daily as required to keep construction entrance area clean. Contractor shall comply with requirements of City of Bentonville for sediments that are found on City Right-of-Way.

- c. Temporary Sanitary Facilities: Portable sanitary waste systems will be required at all times during construction. All sanitary waste will be collected from the portable units as necessary or as required by local regulation by a licensed sanitary waste management contractor. The waste management contractor shall empty the portable sanitary waste systems on a regular basis or when issues arise. Caution will be used during any sanitary sewer relocations.

- d. Concrete Waste Area Provided:

☒ Yes

☐ No. Concrete is used on the site, but no concrete washout is provided.

Explain why: _____

☐ N/A, no concrete will be used with this project

- e. Fuel Storage Areas, Hazardous Waste Storage, and Truck Wash Areas: At a minimum, any products in the following categories shall be considered

hazardous: paints, acids for cleaning masonry surfaces, cleaning solvents, asphalt products, chemical additives for soil stabilization, or concrete curing compounds and additives. In the event of a spill which may be hazardous, the spill coordinator designated by the Contractor should be contacted immediately. City of Bentonville shall also be notified immediately following notification of the spill coordinator. All hazardous waste materials will be disposed of as specified by local or state regulations or by the product manufacturer. Fuel storage will be at least 300 feet from known wetlands or other waterbodies and shall have secondary containment as required by state and federal law. Products will be kept in original containers in covered areas unless they are not resealable. Original labels and material safety data will be retained; they contain important product information. If surplus products must be disposed of, manufacturers' or local and State recommended methods for proper disposal will be followed.

J. Non-Stormwater Discharges

- a. The following allowable non-stormwater discharges comingled with stormwater are present or anticipated at the site:

- ☐ Fire-fighting activities;
- ☐ Fire hydrant flushings;
- ☒ Water used to wash vehicles (where detergents or other chemicals are not used) or control dust in accordance with Part II.A.4.H.2;
- ☒ Potable water sources including uncontaminated waterline flushings;
- ☒ Landscape Irrigation;
- ☒ Routine external building wash down which does not use detergents or other chemicals;
- ☒ Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled materials have been removed) and where detergents or other chemicals are not used;
- ☒ Uncontaminated air conditioning, compressor condensate (See Part I.B.13.C of the permit);
- ☐ Uncontaminated springs, excavation dewatering and groundwater (See Part I.B.13.C of the permit);
- ☐ Foundation or footing drains where flows are not contaminated with process materials such as solvents (See Part I.B.13.C of the permit);

- b. Describe any controls associated with non-stormwater discharges present at the site: To all extents possible, non-stormwater discharges shall be minimized. Discharges shall be monitored and terminated as soon as possible.

K. Permanent Controls for Post-Construction Stormwater Management:

Describe measures installed during the construction process to control pollutants in stormwater discharges that will occur after construction operations have been completed: The project will result in the installation of a storm sewer designed to convey storm water and reduce floods in the adjacent neighborhoods.

- L. Applicable State or Local Programs: The SWPPP will be updated as necessary to reflect any revisions to applicable federal, state, or local requirements that affect the stormwater controls implemented at the site. ☒Yes ☐No

M. Inspections

- a. Inspection frequency:

☒Every 7 calendar days

or

☐At least once every 14 calendar days and within 24 hours of the end of a storm even 0.25 inches or greater (a rain gauge must be maintained on-site)

- b. Inspections:

Completed inspection forms will be kept with the SWPPP.

☒ADEQ's inspection form will be used (See Appendix B)

or

☐A form other than ADEQ's inspection form will be used and is attached (See inspection form requirements Part II.A.4.L.2)

- c. Inspection records will be retained as part of the SWPPP for at least 3 years from the date of termination.
- d. It is understood that the following sections describe waivers of site inspection requirements. All applicable documentation requirements will be followed in accordance with the referenced sections.
- i. Winter Conditions (Part II.A.4.L.4)
 - ii. Adverse Weather Conditions (Part II.A.4.L.5)

N. Maintenance:

The following procedures to maintain vegetation, erosion and sediment control measures and other protective measures in good, effective operating condition will be followed: All erosion and sediment controls shall be maintained in good working order. If a repair is necessary, it shall be done at the earliest date possible, but no later than three (3) calendar days after the surrounding exposed ground has dried sufficiently to prevent further damage from heavy equipment. The areas adjacent to creeks and drainage ways shall have priority followed by devices protecting any drainage ditches.

Any necessary repairs will be completed, when practicable, before the next storm event, but not to exceed a period of 3 business days of discovery, or as otherwise directed by state or local officials.

O. Employee Training:

The following is a description of the training plan for personnel (including contractors and subcontractors) on this project: Training shall be given by a knowledgeable and qualified trainer to all project related personnel prior to them working at the project site. The Contractor shall be required to have a qualified individual as defined in the permit.

****Note,** Formal training classes given by Universities or other third-party organizations are not required, but recommended for qualified trainers; the permittee is responsible for the content of the training being adequate for personnel to implement the requirements of the permit.

Certification

"I certify under penalty of law that this document and all attachments such as Inspection Form were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature of Responsible or Cognizant Official: _____

Title: _____

Date: _____

SW 10TH STREET & SW F STREET STORMWATER IMPROVEMENTS

CITY OF BENTONVILLE, BENTON COUNTY, ARKANSAS

MUNIS# 21EN0025 PIIP22-0017



olsson

302 East Millisap Road
Fayetteville, AR 72703
TEL 479.443.3404
www.olsson.com



REVISIONS

2023

BENTONVILLE, AR

TITLE SHEET

SW 10TH STREET & SW F STREET
STORMWATER IMPROVEMENTS

drawn by: KTE
checked by: JDA
approved by: EJS
QA/QC by: EJS
project no.: 021-04210-G
drawing no.: W_TTL01_G2104210
date: 09.13.2023

SHEET
1 of 71



PREPARED & SUBMITTED BY



INDEX OF SHEETS	
1	TITLE SHEET
2	GENERAL NOTES
3	TYPICAL SECTIONS
4-12	DETAILS
13-14	BEUD DETAILS
15	TRAFFIC CONTROL PLAN
16-21	TRAFFIC CONTROL DETAILS
22	SURVEY CONTROL & ALIGNMENT TABLES
23-26	EROSION CONTROL PLANS
27-36	EASEMENT PLANS
37	STORM SEWER GENERAL LAYOUT
38-43	PLAN & PROFILE - STORMLINE 100
44	PLAN & PROFILE - STORMLINES 100 & 510
45	PLAN & PROFILE - STORMLINES 300, 800 & 900
46	PLAN & PROFILE - STORMLINES 600, 610, 620 & 700
47	PLAN & PROFILE - STORMLINES 500, 550 & 650
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53	PLAN & PROFILE - PROPOSED TRAIL
54	WATERLINE RELOCATION GENERAL LAYOUT
55-59	WATERLINE PLANS
60	BEUD ELECTRIC RELOCATION
61	WHEELCHAIR RAMP SPOT ELEVATION PLAN
62-70	GRADING ENLARGEMENT PLANS
71	CROSS SECTIONS - CONCRETE CHANNEL



SECTION 31, T-20-N, R-30-W
BENTON COUNTY, ARKANSAS

VICINITY MAP

0' 500' 1000' 2000'
SCALE IN FEET

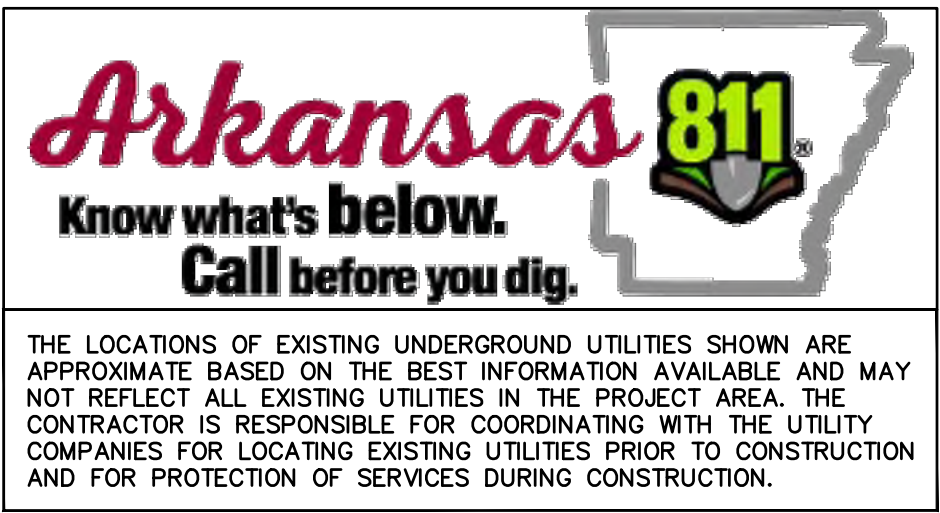
LEGEND

- | | |
|---|---------------------------|
| ○ FOUND MONUMENT (AS NOTED) | ← GUY WIRE |
| ● SET 1/2" REBAR W/PLASTIC CAP, "LC 366" | ⊗ IRR IRRIGATION VALVE |
| ■ SET 5/8" REBAR w/aluminum cap, "LC 366" | ⊙ LIGHT POLE |
| △ AIR CONDITIONER | ⊙ M.L.B. MAIL BOX |
| ⊙ BENCHMARK | (M) MEASURED |
| ⊙ BOLLARD | ⊙ MONITORING WELL |
| ⊙ BREAKER Box | (P) PLATTED |
| ⊙ BUSH | ⊙ POWER POLE |
| ⊙ CABLE BOX | ⊙ POWER POLE W/LIGHT |
| ⊙ CABLE Vault | ⊙ ROOF DRAIN |
| ⊙ CAMERA | ⊙ SANITARY CLEANOUT |
| ⊙ COLUMN | ⊙ SANITARY MANHOLE |
| ⊙ CONIFEROUS Tree | ⊙ STORM MANHOLE |
| ⊙ DECIDUOUS TREE | ⊙ SIGN |
| ⊙ DEEDED | ⊙ SCHEDULE B-II EXCEPTION |
| ⊙ ELECTRIC BOX | ⊙ SPRINKLER HEAD |
| ⊙ ELECTRIC BOX | ⊙ STEEL POST |
| ⊙ ELECTRIC MANHOLE | ⊙ TELEPHONE CABINET |
| ⊙ ELECTRIC METER | ⊙ TELEPHONE PEDESTAL |
| ⊙ ELECTRICAL OUTLET | ⊙ TELEPHONE RISER |
| ⊙ ELECTRIC VAULT | ⊙ TELEPHONE MANHOLE |
| ⊙ FIRE DEPT. CONNECTION | ⊙ TRAFFIC CONTROL BOX |
| ⊙ FIRE HYDRANT | ⊙ TRAFFIC SIGNAL BOX |
| ⊙ FIBER OPTIC BOX | ⊙ TRAFFIC SIGNAL POLE |
| ⊙ FIBER OPTIC PEDESTAL | ⊙ TRANSFORMER |
| ⊙ FLARED END SECTION | ⊙ VENT PIPE |
| ⊙ GAS | ⊙ WATER MANHOLE |
| ⊙ GAS MARKER | ⊙ WATER METER |
| ⊙ GAS METER | ⊙ WATER VALVE |
| ⊙ GAS VALVE | ⊙ WOOD POST |
| ⊙ GAS VAULT | ⊙ SPRINKLER CONTROL VALVE |
| ⊙ GRATE INLET | |
| ⊙ GREASE TRAP | |

- | | |
|------------------------|--|
| — PROPOSED CENTER LINE | — EXISTING CENTER LINE |
| — PROPERTY LINE | — PROPOSED RIGHT-OF-WAY |
| — ROW | — EXISTING RIGHT-OF-WAY |
| — TCE | — PROPOSED TEMPORARY CONSTRUCTION EASEMENT |
| — D/E | — PROPOSED PERMANENT DRAINAGE EASEMENT |
| — U/E | — EXISTING UTILITY EASEMENT |
| — U/E | — PROPOSED UTILITY EASEMENT |
| — 1370 | — EXISTING CONTOUR |
| — 1371 | — EXISTING CONTOUR |
| — SS | — EXISTING SANITARY LINE |
| — SD | — EXISTING STORM LINE |
| — G | — EXISTING GAS LINE |
| — W | — EXISTING WATER LINE |
| — P-UG | — EXISTING UNDERGROUND POWER |
| — TEL | — EXISTING UNDERGROUND TELEPHONE |
| — CATV | — EXISTING UNDERGROUND CABLE/TV |
| — FO | — EXISTING UNDERGROUND FIBER OPTIC |
| — T | — EXISTING UNDERGROUND TRAFFIC |
| — P-OH | — EXISTING OVERHEAD ELECTRIC |
| — TEL-OH | — EXISTING OVERHEAD TELEPHONE |
| — CATV-OH | — EXISTING OVERHEAD CABLE/TV |
| — X | — EXISTING WOVEN WIRE FENCE |
| — | — EXISTING CHAIN LINK FENCE |
| — | — EXISTING WOOD FENCE |
| — | — EXISTING TREE LINE |

ABBREVIATIONS

- | | |
|----------|---------------------------------|
| M.G. | MATCH GRADE |
| P.V.M.T. | PAVEMENT |
| T.C. | TOP OF CURB |
| E.P. | EDGE OF PAVEMENT |
| G. | GUTTER |
| E.L. | ELEVATION |
| R/W | RIGHT-OF-WAY |
| ROW | RIGHT-OF-WAY |
| TCE | TEMPORARY CONSTRUCTION EASEMENT |
| ESMT. | EASEMENT |
| PROP. | PROPOSED |
| EXIST. | EXISTING |
| TYP. | TYPICAL |
| (R) | REMOVAL |
| CONST. | CONSTRUCT |
| TBM | TEMPORARY BENCHMARK |
| C.P. | CONTROL POINT |
| D.N.D. | DO NOT DISTURB |
| U.I.P. | USE IN PLACE |
| CONC. | CONCRETE |
| AGG. | AGGREGATE |
| N.T.S. | NOT TO SCALE |
| B-B | BACK OF CURB TO BACK OF CURB |
| MJ | MECHANICAL JOINT |



THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE BASED ON THE BEST INFORMATION AVAILABLE AND MAY NOT REFLECT ALL EXISTING UTILITIES IN THE PROJECT AREA. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE UTILITY COMPANIES FOR LOCATING EXISTING UTILITIES PRIOR TO CONSTRUCTION AND FOR PROTECTION OF SERVICES DURING CONSTRUCTION.

UTILITY CONTACTS

NATURAL GAS
Black Hills Energy
Contact: Josh Knight
1301 Federal Way
P.O. Box 2129
Lowell, AR 72745
Phone: (479)721-4543
Email: joshua.knight@blackhillscorp.com

CABLE TELEVISION
COX Communications
Contact: Kip Smith
4901 S. 48th Street
Springdale, AR
Phone: (479)717-3796
Email: kip.smith@cox.com

WATER & SEWER
City of Bentonville
Contact: Beau Thompson
3200 S.W. Municipal Drive
Bentonville, AR 72712
Phone: (479)271-3140

ELECTRIC
City of Bentonville
Contact: April Hayes
3200 S.W. Municipal Drive
Bentonville, AR 72712
Phone: (479)271-3135

TELEPHONE
AT&T
Contact: Brent Baldwin
Phone: (479)200-9022
627 White Road
Springdale, AR 72766

WASTE WATER
City of Bentonville
Contact: Chris Earl
1901 NE A Street
Bentonville, AR
Phone: (479)271-3136

FIRE DEPARTMENT
City of Bentonville
Contact: Brent Boydston
(Fire Chief)
800 SW A Street
Bentonville, AR 72712
Phone: (479)271-5927

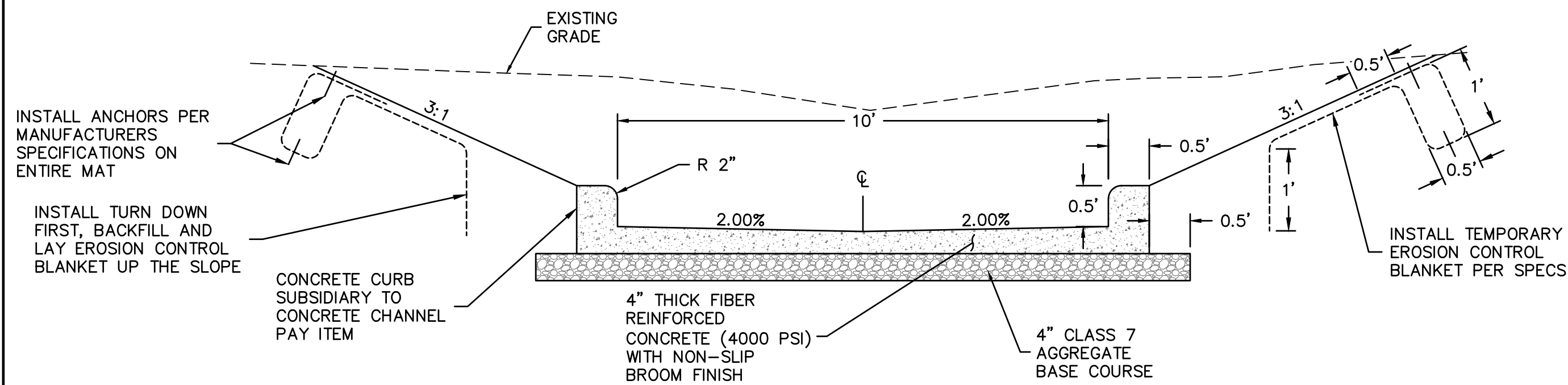
DEPARTMENT OF HEALTH
Arkansas Department Of Health
Division of Engineer, Slot 37
4815 W. Markham
Little Rock, AR 72205
Phone: (501)661-2623

TRANSPORTATION
City of Bentonville
Contact: Dan Weese
3200 SW Municipal Drive
Bentonville, AR 72712
Phone: (479)254-2024
Email: dweese@bentonvillear.com

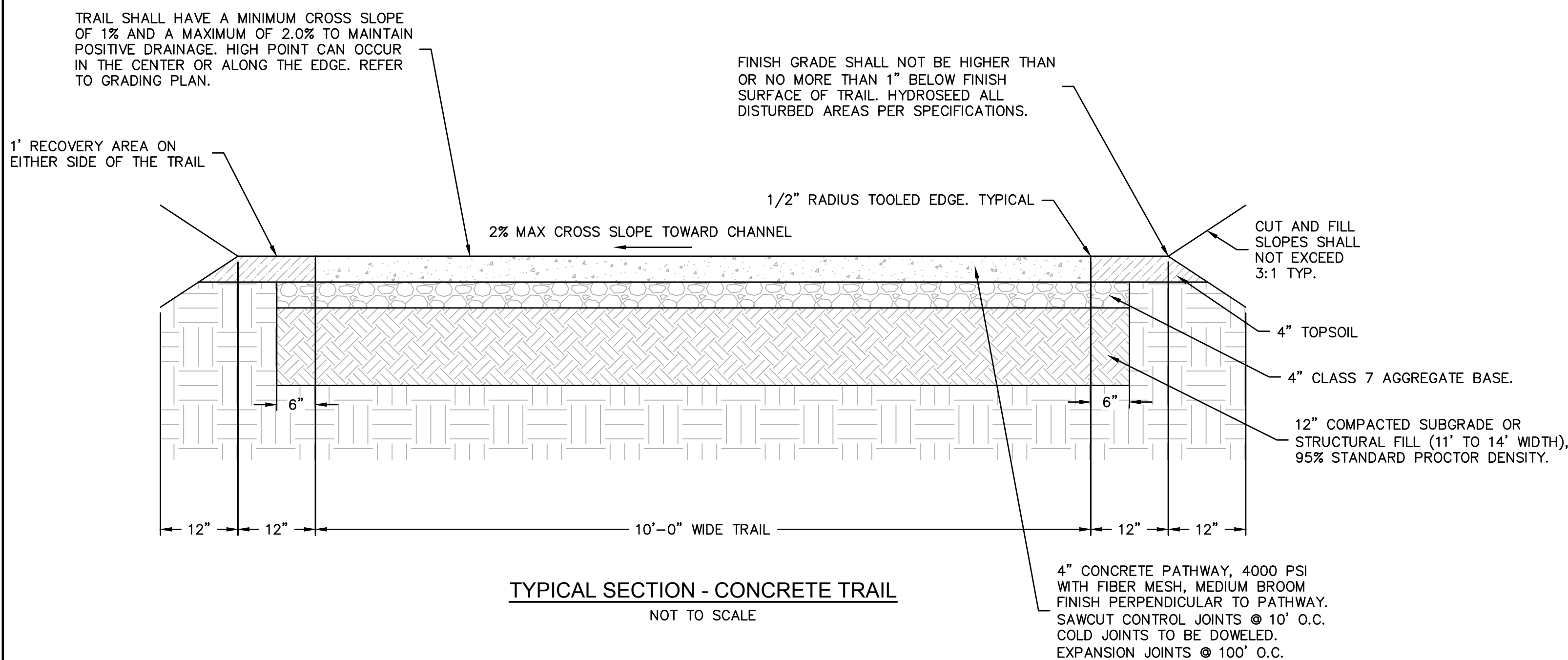
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DATE: Sep 13, 2023 10:50am
XREFS: W_PTBK_G2104210 W_AERIAL_G2104210

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DATE: Sep 13, 2023 10:50am
XREFS: W_PTBK_G2104210 W_AERIAL_G2104210



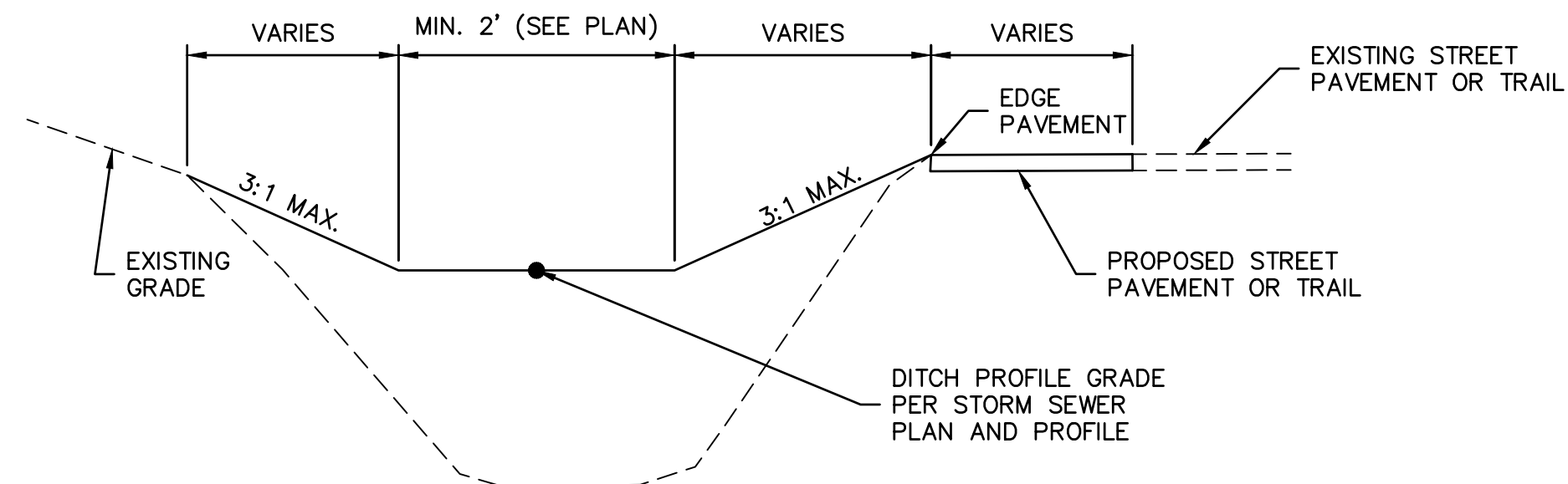
10' CONCRETE CHANNEL WITH CURB
TYPICAL SECTION
NOT TO SCALE



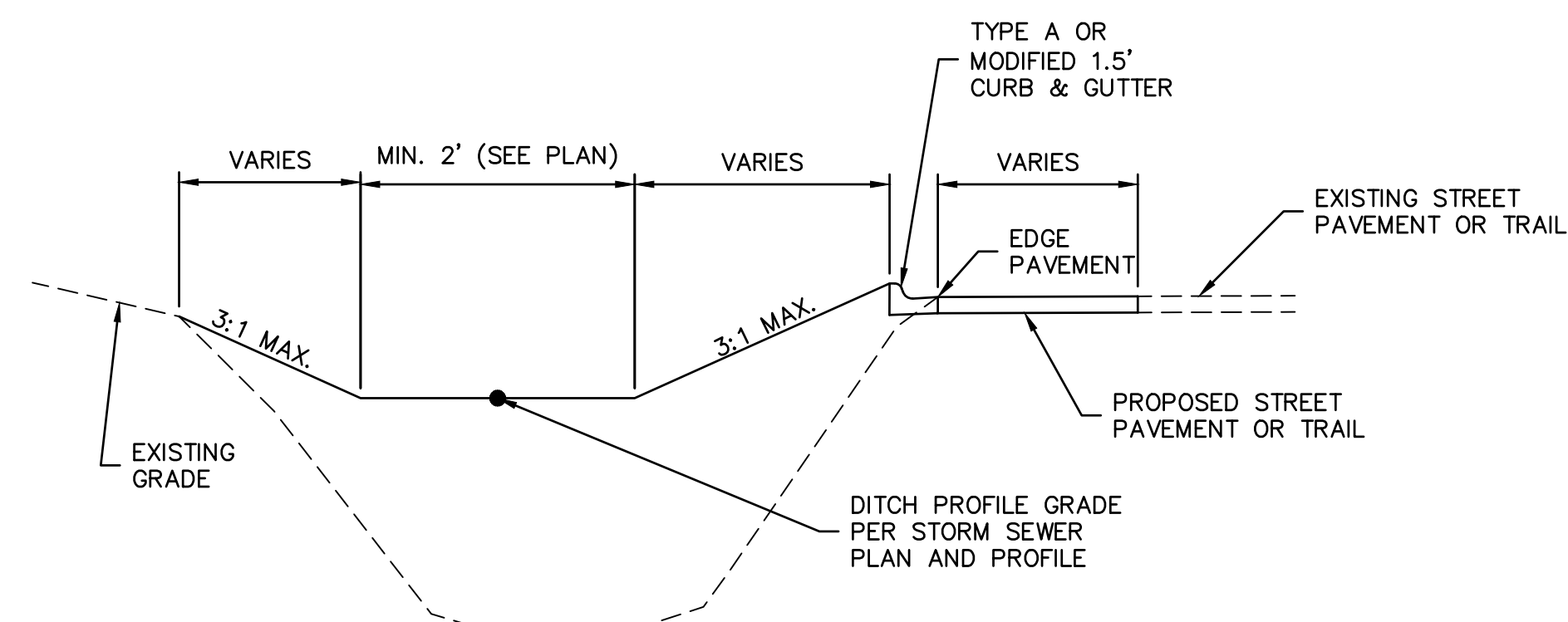
TYPICAL SECTION - CONCRETE TRAIL
NOT TO SCALE

NOTES FOR CONCRETE TRAIL:

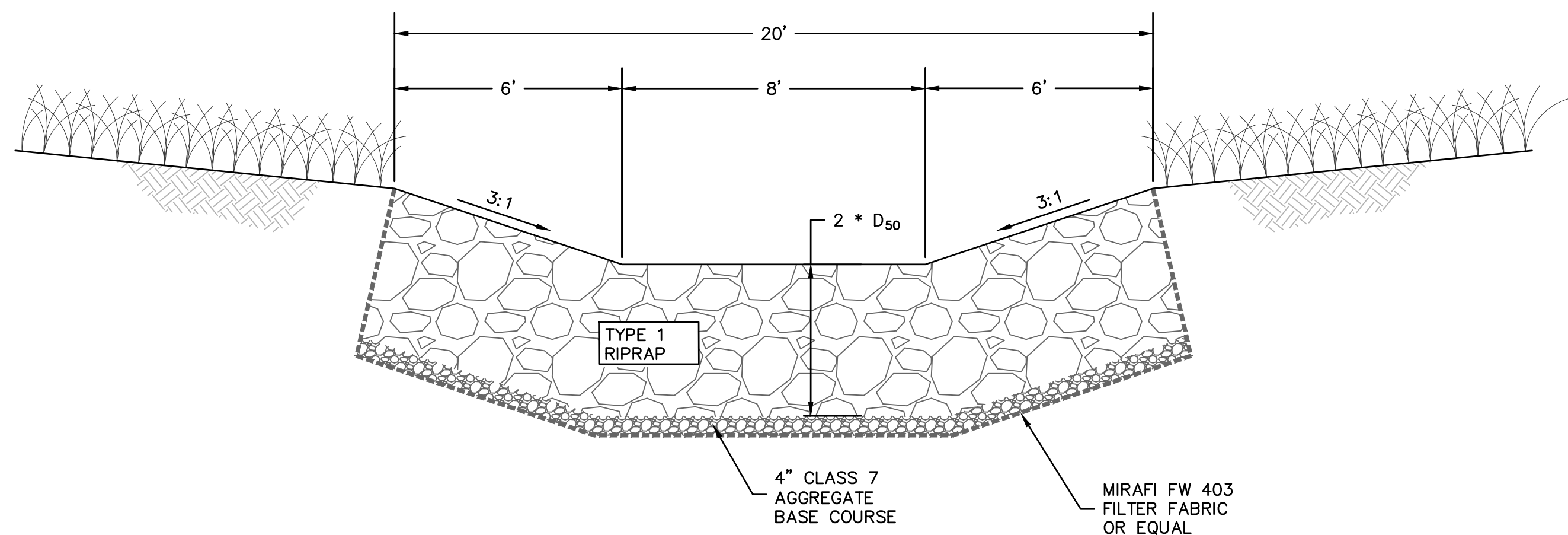
1. IF COMPACTED SUBGRADE DOES NOT PASS DENSITY TESTING, UNDERCUT USING A MINIMUM OF 8" STRUCTURAL FILL AS REQUIRED BY ENGINEER.
2. VERTICAL CLEARANCE TYP. 8' MIN.
3. SLOPES BEYOND 36" MIN. CLEAR AREA SHALL NOT EXCEED 3:1
4. MAXIMUM RUNNING SLOPE SHALL BE 5% UNLESS NOTED ON PLANS.
5. DOWELS ARE TO BE 1/2" X 16" DOWEL W/ EXPANSION CAP OR SLEEVE AT ONE END AT 18" O.C.
6. FILLER SHALL CONFORM TO AASHTO M213-81 AND BE 1/2" X 6" & HAVE A FILLER CAP



LINEAR GRADING TYPICAL SECTION - DITCH WITHOUT CURB



LINEAR GRADING TYPICAL SECTION - DITCH WITH CURB
NOT TO SCALE



RIPRAP APRON DETAIL
TYPICAL SECTION VIEW
N.T.S.



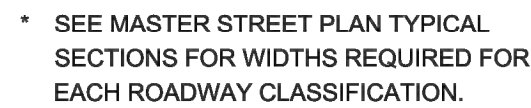
Olsson

3302 East Millsap Road
Fayetteville, AR 72703
TEL 479.443.3404 www.olsson.com

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TYPICAL SECTIONS	
SW 10TH STREET & SW F STREET STORMWATER IMPROVEMENTS	
BENTONVILLE, AR	2023

drawn by: KTF
checked by: JDA
approved by: EJS
QA/QC by: EJS
project no.: 021-04210-G
drawing no.: W_TYPSEC_G2104210
date: 09.13.2023



- NOT TO SCALE



- NOT TO SCALE



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Fayetteville, AR 72703
TEL 479.443.3404 www.olsson.com



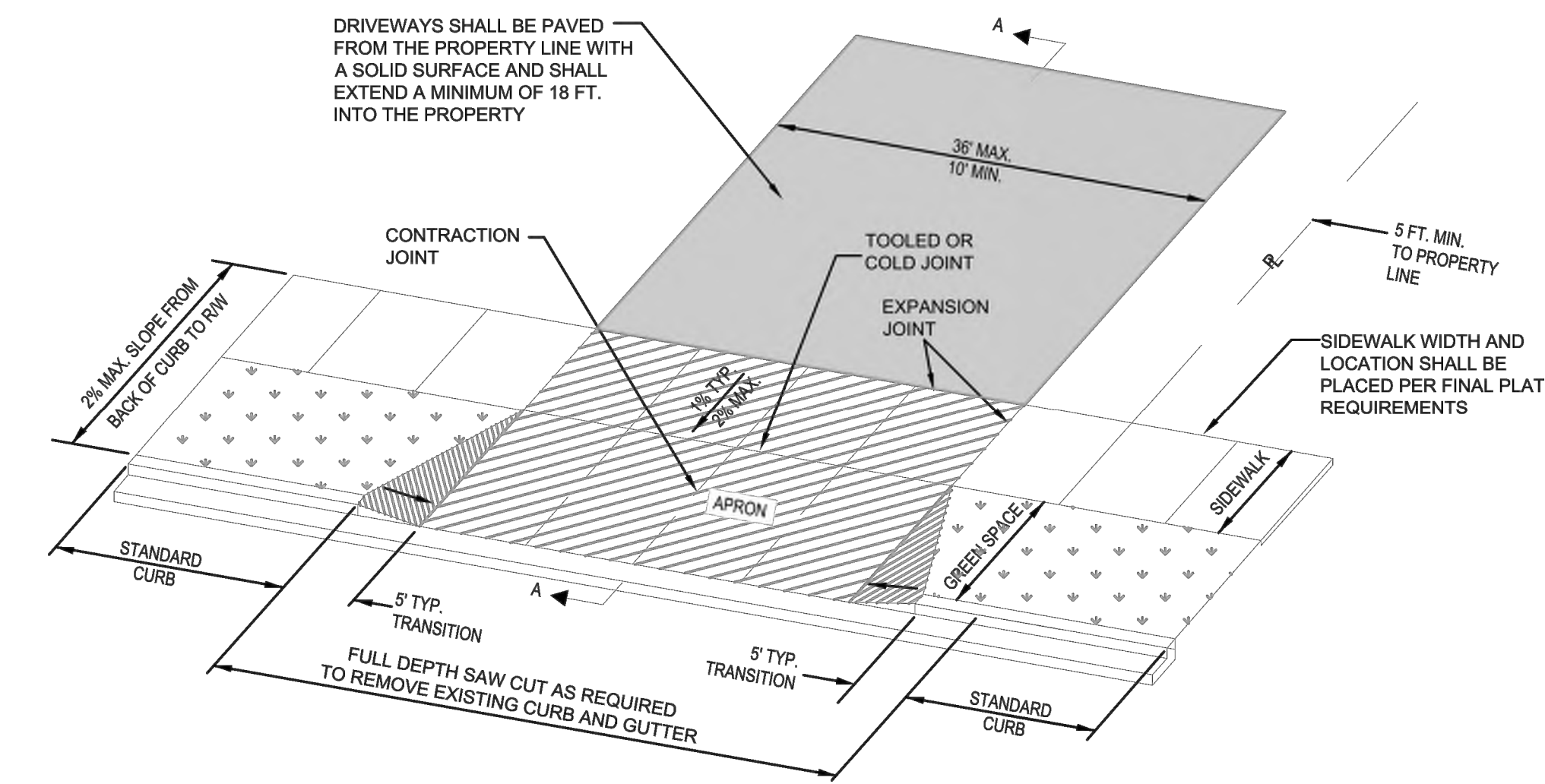
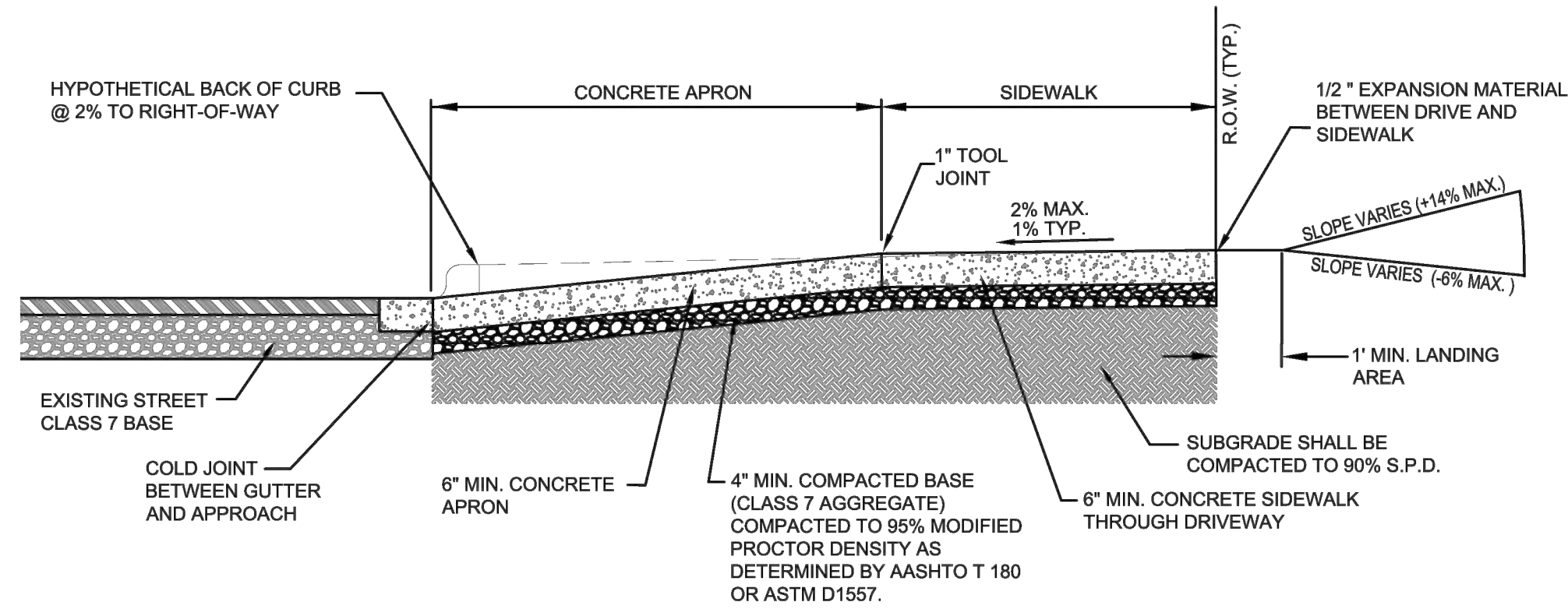
DETAIL SHEET

SW 10TH STREET & SW F STREET STORMWATER IMPROVEMENTS

BENTONVILLE, AR

drawn by: _____ KTF
checked by: _____ JDA
approved by: _____ EJS
QA/QC by: _____ EJS
project no.: _____ 021-04210-G
drawing no.: W DTL01 G2104210
date: _____ 09.13.2023

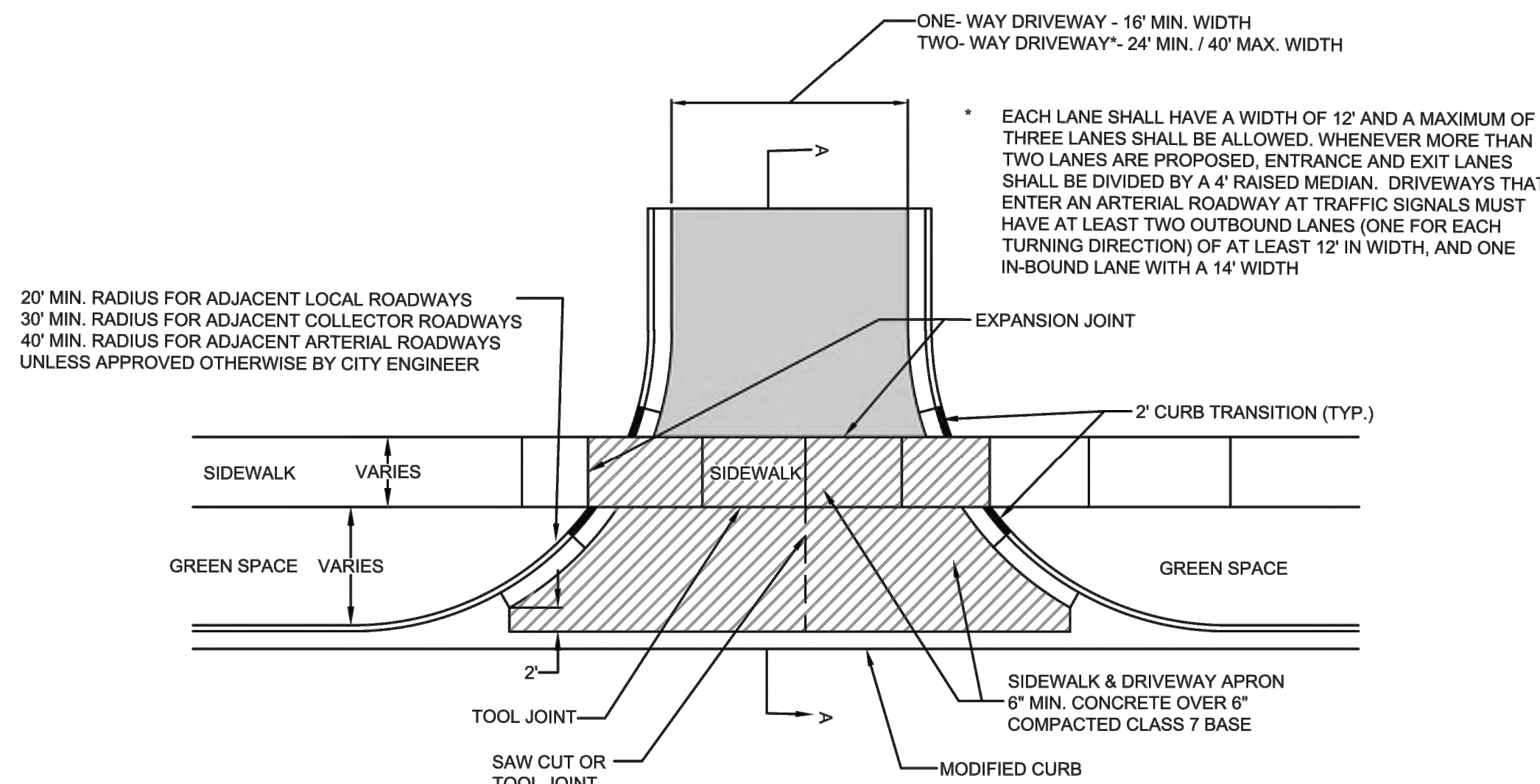
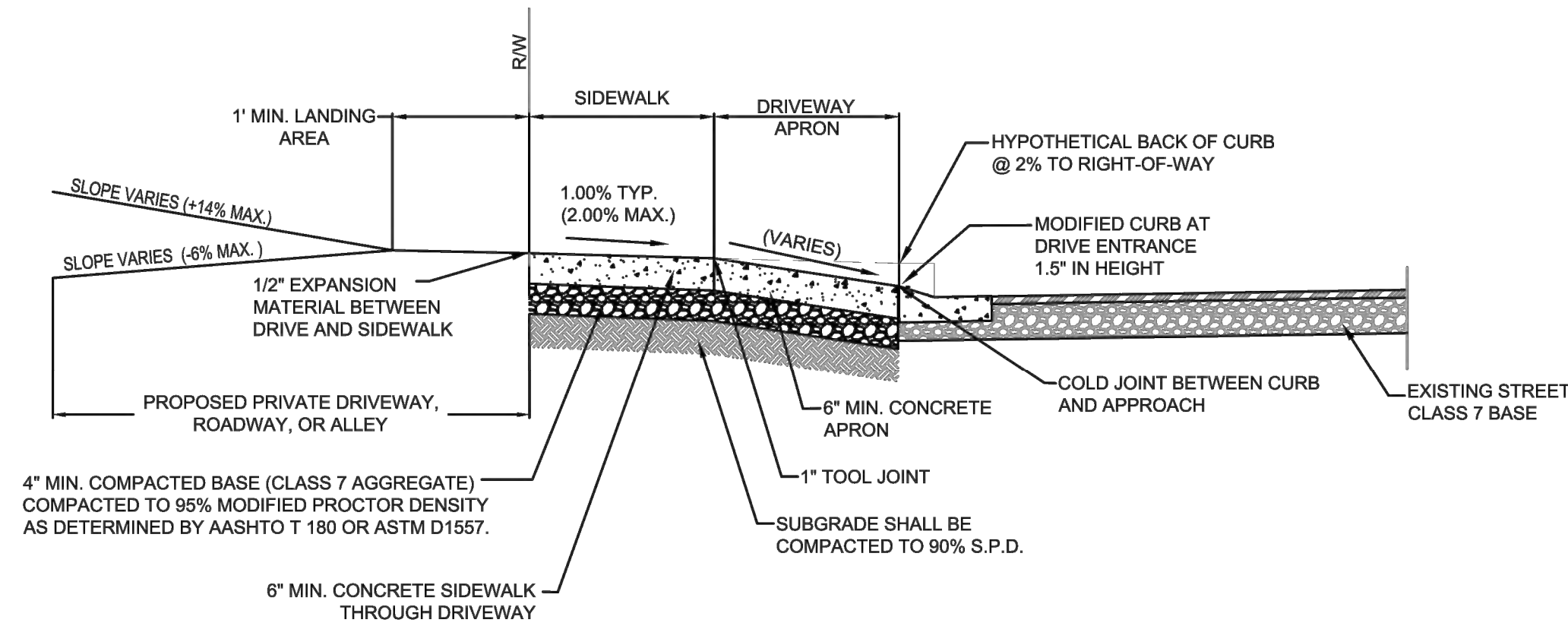
SHEET
6 of 7



- NOTES:
1. FULL DEPTH EXPANSION JOINTS (SIX INCHES) SHALL BE PROVIDED AT THE BACK OF THE SIDEWALK THROUGH THE DRIVEWAY AND AT THE EDGE OF DRIVEWAY AS SHOWN ABOVE. EXPANSION MATERIAL SHALL BE ASPHALT IMPREGNATED FIBERBOARD OR APPROVED EQUAL. (NO WOOD)
 2. CONCRETE TO BE SAW CUT OR PLACE A TOOL JOINT AT THE CENTER OF DRIVE AND SEALED. IF POSSIBLE CONTRACTOR SHALL TRY TO ALIGN THE JOINT AT THE CENTER OF THE DRIVE WITH THE JOINT IN THE ADJACENT SIDEWALK. JOINTS SHALL BE PLACED SO THAT NO SLAB DIMENSION IS GREATER THAN 15 FEET.
 3. CONCRETE FOR DRIVEWAYS SHALL BE CLASS "S" PORTLAND CEMENT CONCRETE IN ACCORDANCE WITH SECTION 802 OR 501, ARDOT STANDARD SPECIFICATIONS WITH A 28-DAY COMPRESSIVE STRENGTH OF 3,500 PSI AND 4% TO 7% AIR ENTRAINED.
 4. ALL SIDEWALKS REQUIRE A CONCRETE CURING COMPOUND, SUCH AS SEALTIGHT 1600-WHITE MANUFACTURED BY W.R. MEADOWS, OR AN APPROVED EQUAL
 5. ALL DRIVEWAY APRONS SHALL BE CONSTRUCTED WITH A BROOM FINISH. TEXTURED, STAMPED, OR EXPOSED AGGREGATE CONCRETE IS NOT ALLOWED WITHIN STREET RIGHT OF WAY.
 6. ALL DRIVEWAY APPROACHES REQUIRE AN INSPECTION PRIOR TO AND AFTER CONCRETE PLACEMENT.
 7. CONCRETE DRIVEWAYS SHALL BE A MINIMUM OF 6 INCHES OF CONCRETE OVER 4 INCHES OF COMPACTED CLASS 7 AGGREGATE BASE COURSE OVER PREPARED SUBGRADE. RESIDENTIAL ASPHALT DRIVEWAYS BEYOND THE CONCRETE APRON SHALL BE A MINIMUM OF 2 INCHES OF ASPHALT SURFACE COURSE OVER 4 INCHES OF COMPACTED CLASS 7 AGGREGATE BASE COURSE OVER PREPARED SUBGRADE.

RESIDENTIAL DRIVEWAY DETAIL
NOT TO SCALE

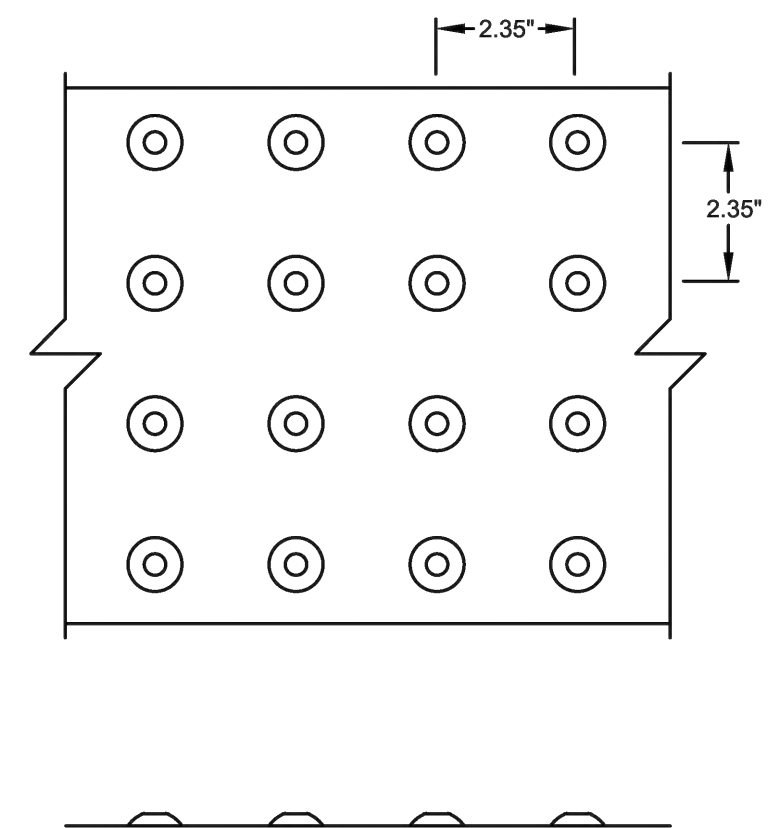
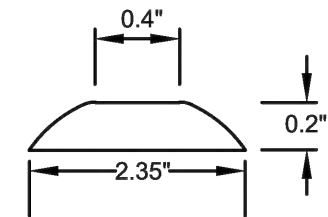
NOT TO SCALE



- NOTES:
1. FULL DEPTH EXPANSION JOINTS (SIX INCHES) SHALL BE PROVIDED AT THE BACK OF THE SIDEWALK THROUGH THE DRIVEWAY AND AT THE EDGE OF DRIVEWAY AS SHOWN ABOVE. EXPANSION MATERIAL SHALL BE ASPHALT IMPREGNATED FIBERBOARD OR APPROVED EQUAL. (NO WOOD)
 2. CONCRETE TO BE SAW CUT OR PLACE A TOOL JOINT AT THE CENTER OF DRIVE AND SEALED. IF POSSIBLE CONTRACTOR SHALL TRY TO ALIGN THE JOINT AT THE CENTER OF THE DRIVE WITH THE A JOINT IN THE ADJACENT SIDEWALK. JOINTS SHALL BE PLACED SO THAT NO SLAB DIMENSION IS GREATER THAN 15'.
 3. CONCRETE FOR DRIVEWAYS SHALL BE CLASS "S" PORTLAND CEMENT CONCRETE IN ACCORDANCE WITH SECTION 802 OR 501, ADOPT STANDARD SPECIFICATIONS WITH A 28-DAY COMPRESSIVE STRENGTH OF 3,500 PSI AND 4% TO 7% AIR ENTRAINMENT.
 4. ALL SIDEWALKS REQUIRE A CONCRETE CURING COMPOUND, SUCH AS SEALTIGHT 1600-WHITE MANUFACTURED BY W.R. MEADOWS, OR AN APPROVED EQUAL
 5. ALL DRIVEWAY APRONS SHALL BE CONSTRUCTED WITH A BROOM FINISH. TEXTURED, STAMPED, OR EXPOSED AGGREGATE CONCRETE IS NOT ALLOWED WITHIN STREET RIGHT OF WAY.
 6. ALL CURB CUTS FOR DRIVEWAY APPROACHES REQUIRE AN INSPECTION PRIOR TO AND AFTER CONCRETE PLACEMENT.
 7. CONCRETE DRIVEWAYS SHALL BE A MINIMUM OF 6 INCHES OF CONCRETE OVER 4 INCHES OF COMPACTED CLASS 7 AGGREGATE BASE COURSE OVER PREPARED SUBGRADE. COMMERCIAL ASPHALT DRIVEWAYS BEYOND THE CONCRETE APRON SHALL BE A MINIMUM OF 3 INCHES OF ASPHALT SURFACE COURSE OVER 6 INCHES OF COMPACTED CLASS 7 AGGREGATE BASE COURSE OVER PREPARED SUBGRADE.
 8. DRIVEWAY APRON AND MODIFIED CURB SHALL BE PLACED MONOLITHICALLY.

COMMERCIAL DRIVEWAY DETAIL
NOT TO SCALE

NOT TO SCALE

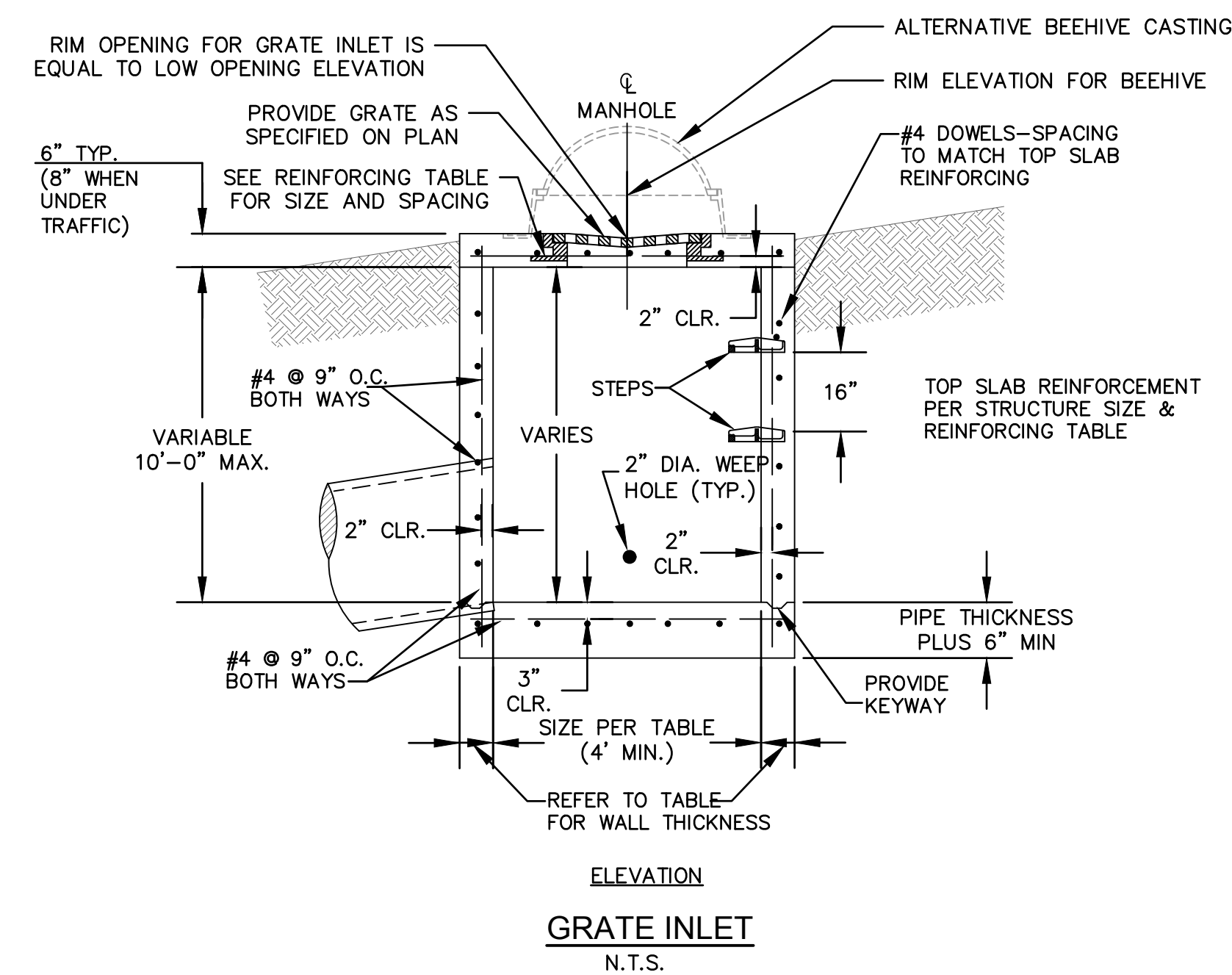
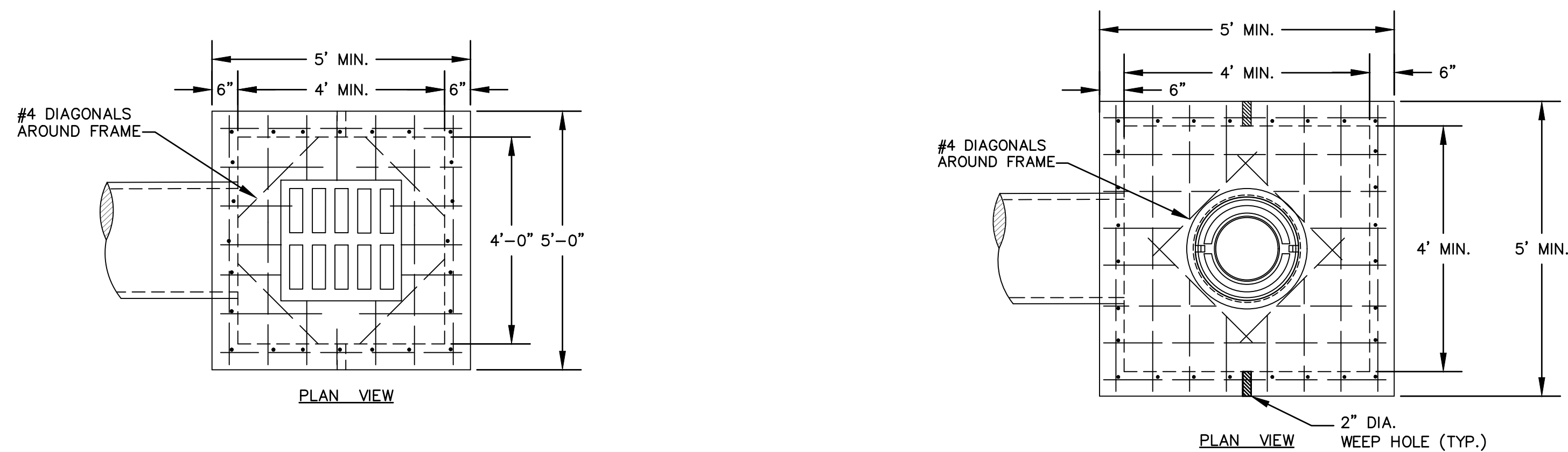
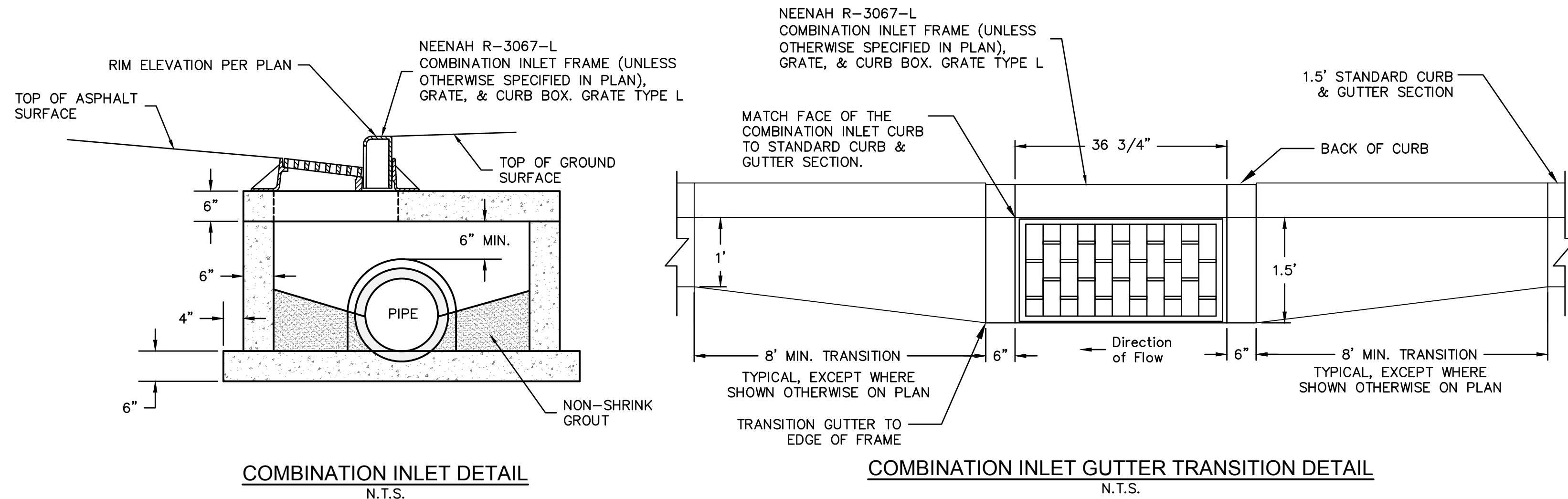


TRUNCATED DOME SPACING

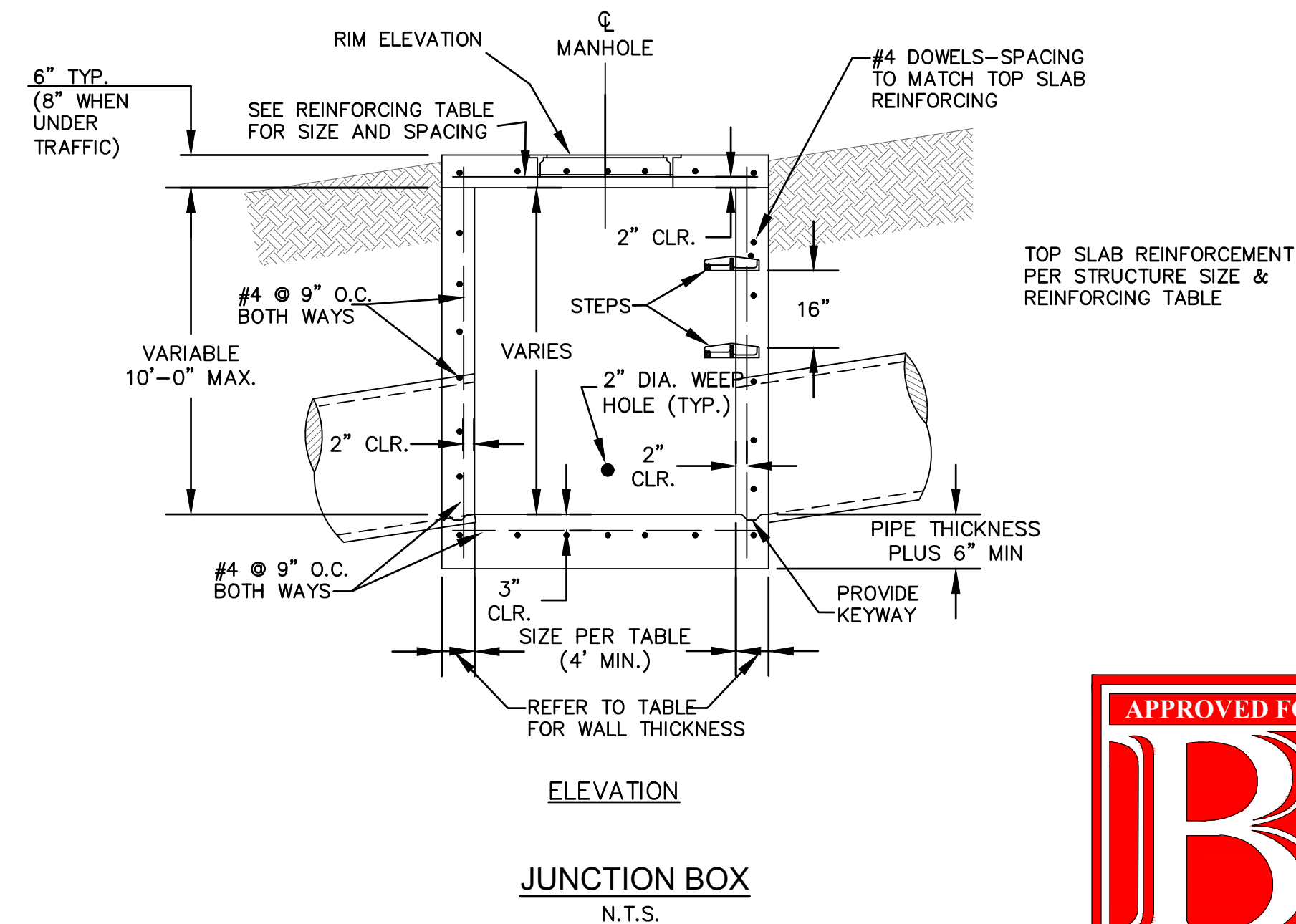
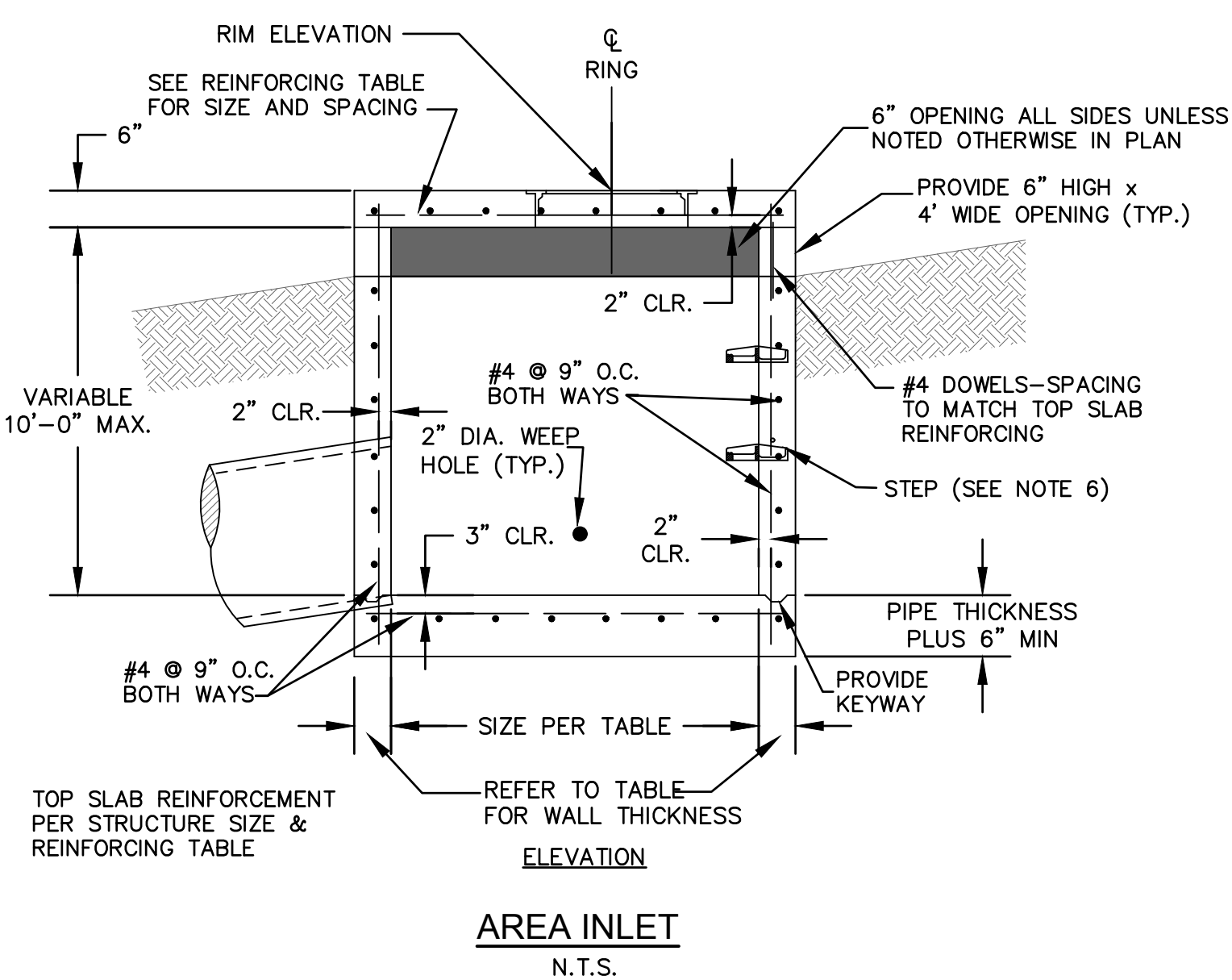
- NOTES:
1. THE DETECTABLE WARNING DEVICE SHALL BE LOCATED SO THAT THE NEAREST EDGE OF THE DEVICE IS LOCATED AT THE BACK OF CURB.
 2. TRUNCATED DOWNS SHALL HAVE A DIAMETER OF 0.9 INCH AT THE BOTTOM, A DIAMETER OF 0.4 INCH AT THE TOP, A HEIGHT OF 0.4 INCH, AND A CENTER-TO-CENTER SPACING OF 2.35 INCHES MEASURED ALONG ONE SIDE OF A SQUARE ARRANGEMENT.
 3. DOWNS SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN DOWNS.
 4. DETECTABLE WARNING DEVICE SHALL BE 24 INCHES IN THE DIRECTION OF TRAVEL AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE. (MIN 4')
 5. TYPE OF DETECTABLE WARNING DEVICE SHALL BE APPROVED BY THE CITY OF BENTONVILLE PRIOR TO INSTALLATION. STAMPED CONCRETE SHALL NOT BE USED AS A DETECTABLE WARNING DEVICE.

DETECTABLE WARNING DEVICE DETAIL
NOT TO SCALE

NOT TO SCALE



NOTE: GRATES AND CASTINGS TO BE CONNECTED ON TOP OF LID WITH FLANGE, WHERE POSSIBLE, TO RECESS TOP OF CONCRETE STRUCTURE BELOW PAVEMENT OR FINISHED GRADE.



NOTE: GRATES AND CASTINGS TO BE CONNECTED ON TOP OF LID WITH FLANGE, WHERE POSSIBLE, TO RECESS TOP OF CONCRETE STRUCTURE BELOW PAVEMENT OR FINISHED GRADE.

INSIDE DIMENSION	DIAMETER OF OUTLET PIPE	MIN. WALL THICKNESS	TOP CONCRETE SLAB REINFORCING	MIN. WALL THICKNESS
4'	15" – 18"	6"	# 4'S @ 8" O.C. E.W.	6"
5'	18" – 42"	8"	# 4'S @ 7" O.C. E.W.	8"
6'	48" – 54"	8"	# 5'S @ 9" O.C. E.W.	8"

* WHEN UNDER TRAFFIC, USE # 5'S @ 6" O.C. E.W.

JUNCTION BOX/AREA INLET/ CURB INLET NOTES

1. ALL EXPOSED CORNERS TO HAVE 3/4" CHAMFER.
2. ALL REINFORCEMENT BARS SHALL BE GRADE 60 AND SHALL HAVE A MINIMUM 2" COVER UNLESS OTHERWISE NOTED.
3. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI -TOP 18" SHALL BE CAST-IN-PLACE.
4. PIPES MAY ENTER BOX FROM ANY ANGLE OF ELEVATION AS DIRECTED BY THE ENGINEER. REINFORCING BARS SHALL BE CUT TO CLEAR PIPE BY 2".
5. STEPS ARE REQUIRED IN STORM DRAIN MANHOLES THAT ARE AT 4 FT OF DEPTH AND GREATER (FROM INVERT TO RIM). CENTERLINE OF MANHOLE LID SHALL BE 2 FT FROM THE WALL WHERE STEPS ARE LOCATED. STEPS (6" x 12") SHALL BE COPOLYMER POLYPROPYLENE PLASTIC WITH STEEL CORE AT 16" APART.
6. LIMIT DEFLECTION TO 60 DEGREES. IF GREATER, USE NEXT LARGER MANHOLE DIAMETER/SIZE.
7. FOR STRUCTURE SIZES NOT COVERED BELOW, CONTRACTOR SHALL SUBMIT SHOP DRAWINGS WITH STRUCTURAL CALCULATIONS SEALED BY A PROFESSIONAL ENGINEER IN THE STATE OF ARKANSAS.

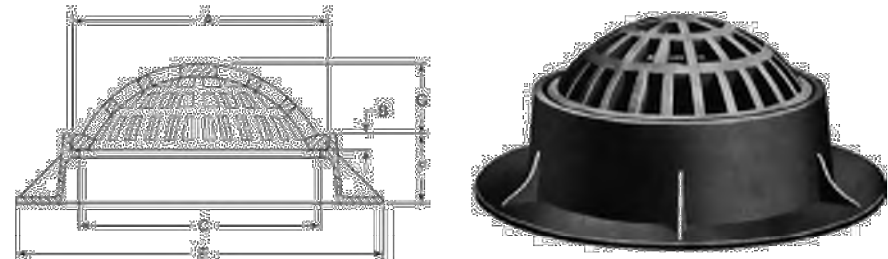
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DETAIL SHEET	
SW 10TH STREET & SW F STREET STORMWATER IMPROVEMENTS	
BENTONVILLE, AR	2023



R-2560 Series
Inlet Frame, Beehive Grate

Suitable for drainage in circumstances where clogging of a flat grate is a problem. Excellent for roadside or earth ditch inlets.



Illustrating R-2560-E

CATALOG NUMBER	GRATE TYPE	SQ. FT. OPEN	WEIR PERIMETER LINEAL FEET
R-2560-A	Beehive	0.7	5.1
R-2560-C	Beehive	0.7	4.7
R-2560-C1	Beehive	0.7	5.8
R-2560-C2	Beehive	0.7	5.8
R-2560-D	Beehive	1.8	5.1
R-2560-D1	Beehive	1.2	5.8
R-2560-D2	Beehive	1.2	5.8
R-2560-D3	Beehive	1.2	5.8
R-2560-D5	Beehive	1.0	5.1
R-2560-D6	Beehive	1.0	5.1
R-2560-D7	Beehive	1.3	5.3
R-2560-D8	Beehive	1.3	5.3
R-2560-E	Beehive	1.2	6.0
R-2560-EA	Beehive	1.2	6.7
R-2560-EB	Beehive	1.8	6.7
R-2560-E1	Beehive	1.4	6.7
R-2560-E2	Beehive	2.0	6.7
R-2560-E3	Beehive	1.2	6.7
R-2560-E6	Beehive	1.8	6.7
R-2560-E7	Beehive	1.2	6.7
R-2560-E9	Beehive	1.8	6.7
R-2560-E9	Beehive	1.2	6.7
R-2560-E10	Beehive	1.8	6.7
R-2560-G	Beehive	1.5	8.4

Dimensions in inches									
Catalog No.	A	B	C	E	F	G	Frame/Lid		
R-2560-A	12	1	11	19	4	3 1/4	R-1791-A		
R-2560-C	18 1/4	1 1/4	16 3/4	30	8	4	R-1900-A		
R-2560-C1	22	1 1/2	20 15/32	27 9/16	3 15/16	4 1/2	R-1690		
R-2560-C2	22	1 1/2	20 1/2	29 1/4	6	4 1/2	R-1761		
R-2560-D	22	1 1/2	20	35	9	4 1/2	R-1710		
R-2560-D1	22	1 1/2	20 15/32	27 9/16	3 15/16	7	R-1690		
R-2560-D2	22	1 1/2	20 1/2	28 1/4	6	7	R-1761		
R-2560-D3	22	1 1/2	20	35	9	7	R-1710		
R-2560-D5	22 3/4	1 1/2	21 1/4	34	4	4 1/2	R-1647-A		
R-2560-D6	22 3/4	1 1/2	21	34	9	4 1/2	R-1713		
R-2560-D7	22 3/4	1 1/2	21 1/4	34	4	7	R-1647-A		
R-2560-D8	22 3/4	1 1/2	21	34	9	7	R-1713		
R-2560-E	22	1 1/2	21 1/16	35 7/16	8 7/8	7	R-1550-A		
R-2560-E1	25 3/4	7/8	24	35 7/16	7	6	R-1733		
R-2560-E2	25 3/4	7/8	24	35 7/16	7	9	R-1733		
R-2560-E3	25 3/4	7/8	24 1/8	35 1/2	8	6	R-1733-A		
R-2560-E6	25 3/4	7/8	24 1/8	35 1/2	8	9	R-1733-A		
R-2560-E7	25 3/4	7/8	24 1/8	35 1/2	9	6	R-1733-B		
R-2560-E8	25 3/4	7/8	24 1/8	35 1/2	9	9	R-1733-B		
R-2560-E9	25 3/4	7/8	24 1/8	35 1/2	10	6	R-1733-C		
R-2560-E10	25 3/4	7/8	24 1/8	35 1/2	10	9	R-1733-C		
R-2560-EA	25 3/4	7/8	24 1/8	35 7/16	4	6	R-1733-1		
R-2560-EB	25 3/4	7/8	24 1/8	35 7/16	4	9	R-1733-1		
R-2560-G	32	1 1/2	30	46	7	4	R-1740-B		

R-3362-L (Deeter DF-2501L is approved substitute)
Concave Gutter Inlet Frame, Grate

Heavy Duty

CATALOG NUMBER	GRATE TYPE	SQ. FT. OPEN	WEIR PERIMETER LINEAL FEET
R-3362-L	L	2.8	16.3

Can be furnished as double unit with side flanges removed as shown in R-3363-1.

R-3408-L (Deeter DF-2240L is approved substitute)
Single Gutter Inlet Frame, Grate

Heavy Duty

CATALOG NUMBER	GRATE TYPE	SQ. FT. OPEN	WEIR PERIMETER LINEAL FEET
R-3408-L	L	1.2	7.3

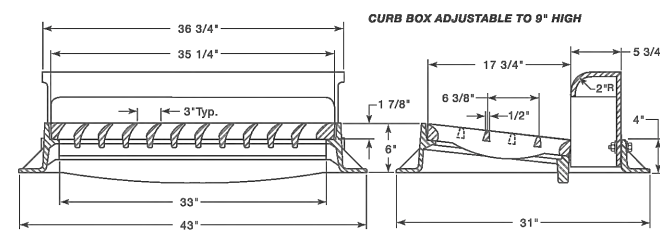
R-3408-BL (Deeter DF-2240L is approved substitute)
Double Gutter Inlet Frames, Grates

Heavy Duty

CATALOG NUMBER	GRATE TYPE	SQ. FT. OPEN	WEIR PERIMETER LINEAL FEET
R-3408-BL	L	2.4	12.5

R-3067-L
Combination Inlet Frame, Grate, Curb Box

Heavy Duty

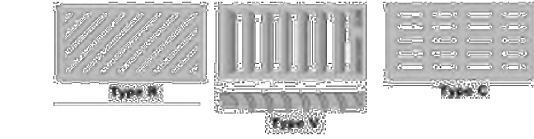


Available Curb Boxes: 2" Radius Open, 3" Radius Open.
Enviro-Curb Boxes available, see p. 129.

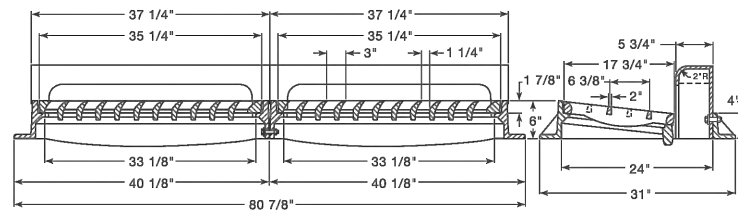
R-3295-2
Double Unit Frame, Grate, Curb Box

Heavy Duty

Standard Grate (shown): Type L
Also available with grate Type R-diagonal, Type C or Type V.



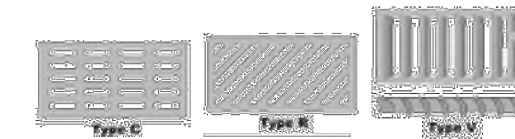
CATALOG NUMBER	GRATE TYPE	SQ. FT. OPEN	WEIR PERIMETER LINEAL FEET
R-3295-1	L	4.7	6.8
R-3295-2	V	4.8	8.8
R-3295-2	C	4.8	8.8
R-3295-2	R	3.8	8.8



R-3295-3
Triple Unit Frame, Grate, Curb Box

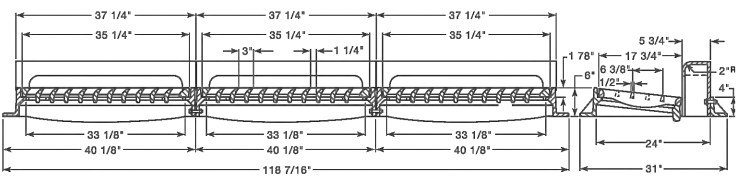
Heavy Duty

Standard Grate (shown): Type L
Also available with grate Type C, Type R-diagonal or Type V.



Additional center sections can be added for greater overall length - please specify.

CATALOG NUMBER	GRATE TYPE	SQ. FT. OPEN	WEIR PERIMETER LINEAL FEET
R-3295-1	L	5.5	11.8
R-3295-2	V	7.2	11.8
R-3295-2	C	6.3	11.8
R-3295-2	R	5.7	11.8

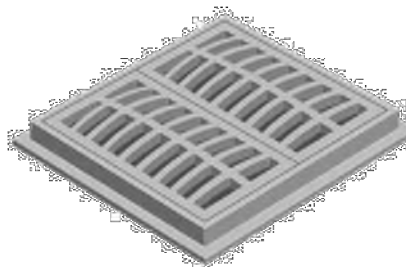
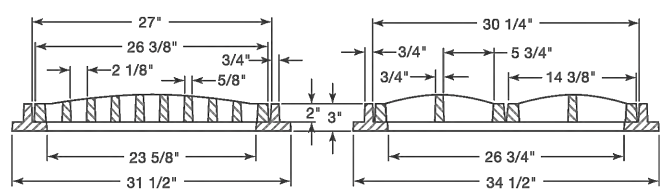


R-3338-G
Single Convex Inlet Frame, Double Grate

Light Duty

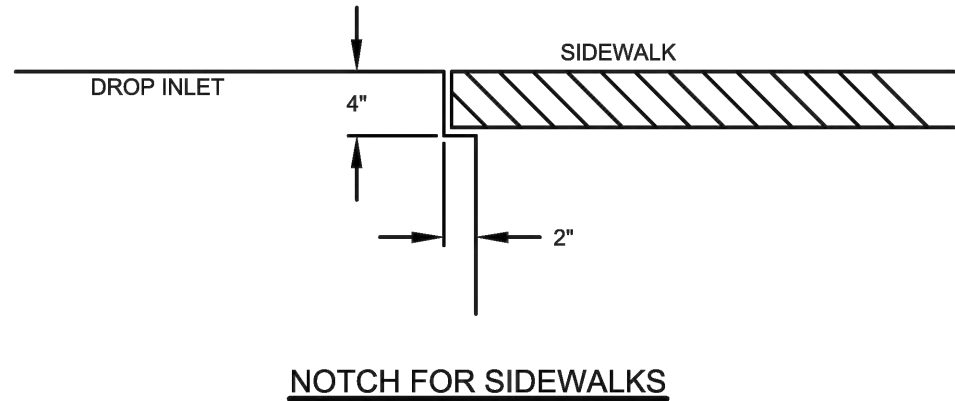
CATALOG NUMBER	GRATE TYPE	SQ. FT. OPEN	WEIR PERIMETER LINEAL FEET
R-3338-G	A	2.8	8.3

Grate reversible if flat top inlet is required.



CURB INLET NOTES

- ALL EXPOSED CORNERS TO HAVE 3/4" CHAMFER.
- ALL REINFORCEMENT BARS SHALL BE GRADE 60 AND SHALL HAVE A MINIMUM 2" COVER UNLESS OTHERWISE NOTED.
- CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3500 ψ - TOP 18" SHALL BE CAST-IN-PLACE.
- INVERTS SHALL BE POURED MONOLITHICALLY WITH FOOTING.
- CURB INLET BACK OPENING LOCATIONS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- WHEN AN INLET IS PLACED ADJACENT TO CONCRETE PAVEMENT, THE GUTTER DEPRESSION SHALL BE FORMED IN CONCRETE PAVEMENT.
- PIPES MAY ENTER BOX FROM ANY ANGLE OF ELEVATION AS DIRECTED BY THE ENGINEER. REINFORCING BARS SHALL BE CUT TO CLEAR PIPE BY 2".
- THE EXPANSION JOINT SHALL HAVE A THICKNESS OF 1/2" AND CONFORM TO AASHTO M213.
- REFER TO CURB AND GUTTER DETAILS FOR APPROPRIATE CURB CONFIGURATION AND GUTTER DIMENSIONS AT EACH INLET LOCATION.
- REFER TO PLAN AND PROFILE SHEETS TO DETERMINE EXTENSIONS AND SIZE (IF ANY) ACCOMPANYING DROP INLETS.
- STEPS ARE REQUIRED IN STORM DRAIN MANHOLES THAT ARE AT 4 FT OF DEPTH AND GREATER (FROM INVERT TO RIM). CENTERLINE OF MANHOLE LID SHALL BE 2 FT FROM THE WALL WHERE STEPS ARE LOCATED. STEPS (6" $\times$ 12") SHALL BE COPOLYMER POLYPROPYLENE PLASTIC WITH STEEL CORE AT 16" APART.
- PRIOR TO AND DURING PLACEMENT OF PAVEMENT IN FRONT OF INLETS, THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AT ALL TIMES. THE METHODS USED FOR THIS WORK SHALL BE APPROVED BY THE ENGINEER.
- LIMIT DEFLECTION TO 60 DEGREES. IF GREATER, USE NEXT LARGER MANHOLE DIAMETER/SIZE.



INSIDE DIMENSION	DIAMETER OF OUTLET PIPE	MIN. WALL THICKNESS	TOP CONCRETE SLAB REINFORCING	MIN. WALL THICKNESS
4'	15" - 18"	6"	$\square$ 4'S $\square$ 8" O.C. E.W.	6"
5'	24" - 42"	8"	$\square$ 4'S $\square$ 7" O.C. E.W.	8"
6'	48" - 54"	8"	$\square$ 5'S $\square$ 6" O.C. E.W.	8"

$\square$ WHEN UNDER TRAFFIC, USE $\square$ 5'S $\square$ 6" O.C. E.W.



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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
NO. 19111
ERIC JOSEPH SKEETO

REVISIONS

2023

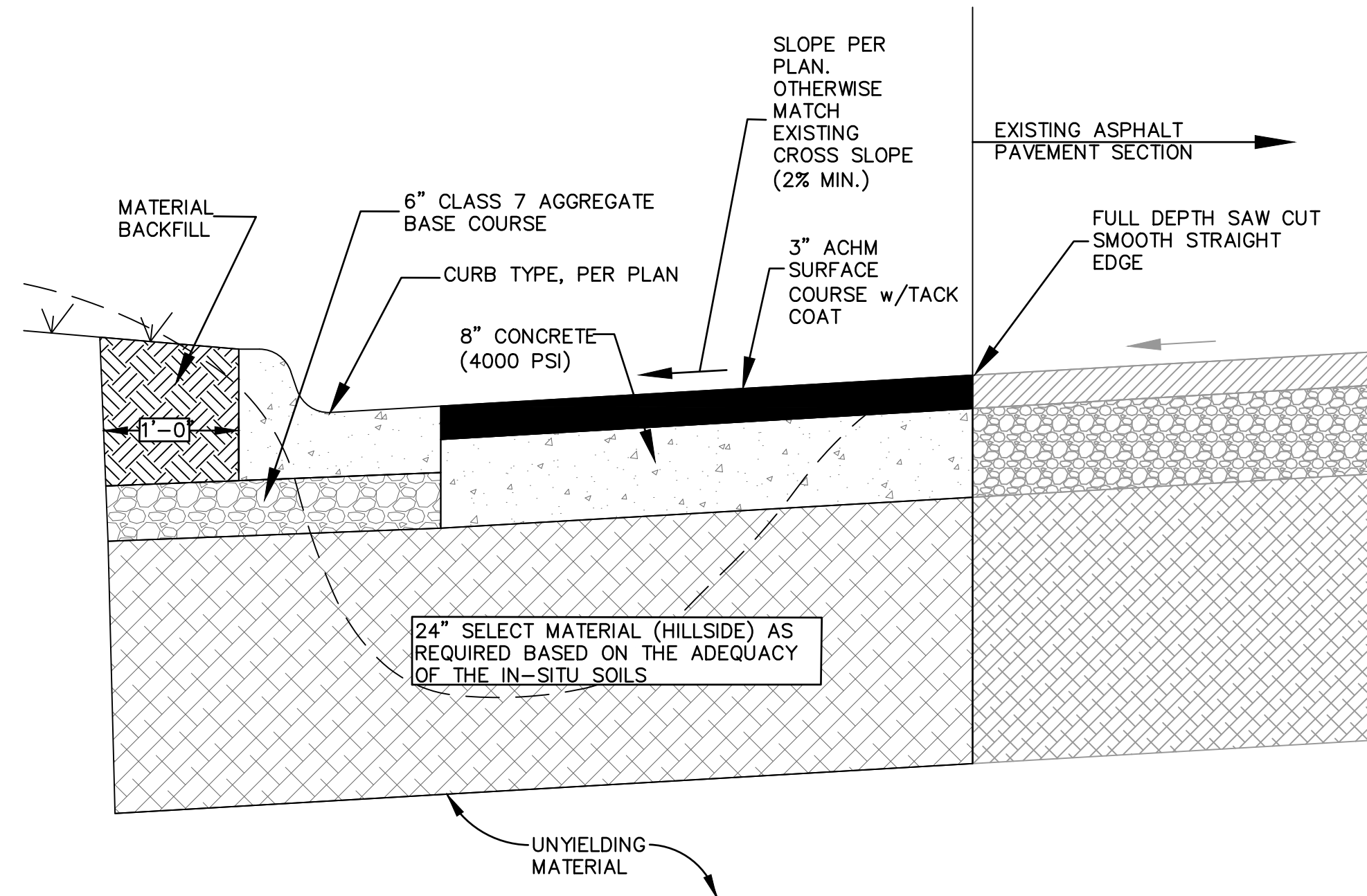
DETAIL SHEET

SW 10TH STREET & SW F STREET
STORMWATER IMPROVEMENTS

BENTONVILLE, AR

drawn by: KTE
checked by: JDA
approved by: EJS
QA/QC by: EJS
project no.: 021-04210-G
drawing no.: W_DTL01_G2104210
date: 09.13.2023

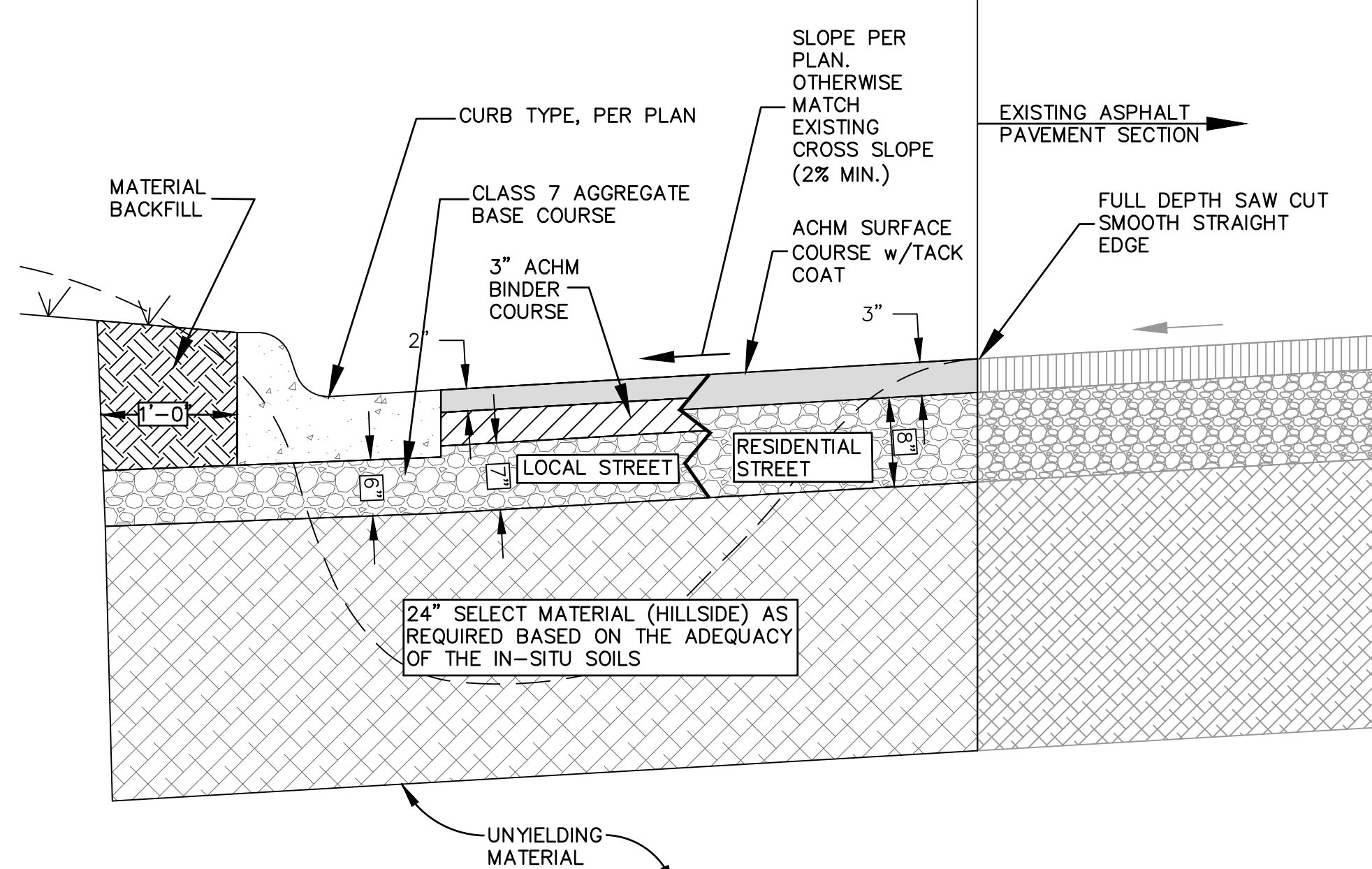
SHEET
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ASPHALT STREET SECTION - OPTION 1
NOT TO SCALE

NOTES

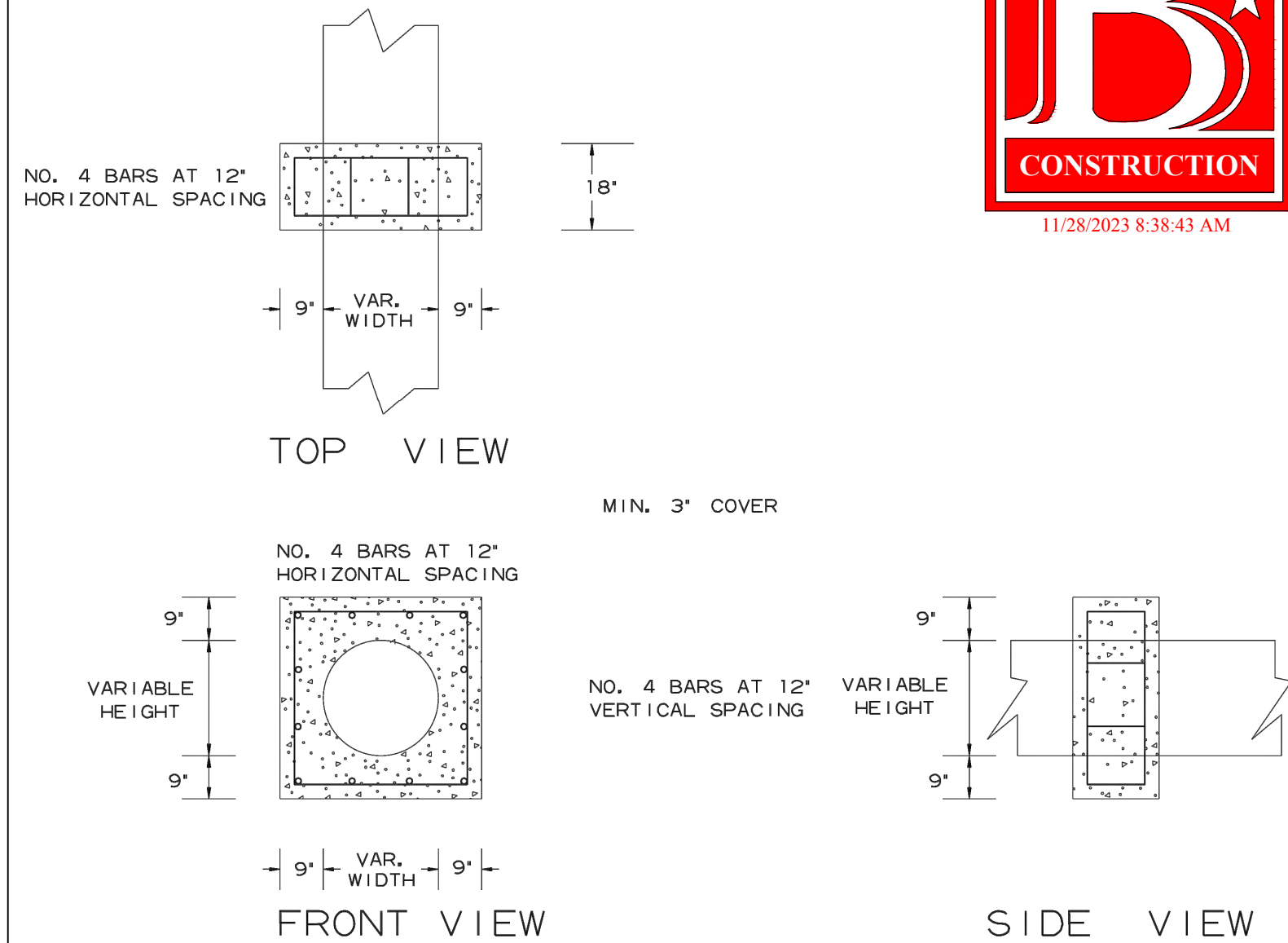
1. THIS DETAIL IS TO BE USED WHEN THE WIDTH OF WIDENING **DOES NOT ALLOW** STEEL WHEEL ROLLER TO COMPACT AGGREGATE BASE COURSE BETWEEN NEW GUTTER AND EXISTING PAVEMENT.
2. THE ENGINEER OF RECORD SHALL PERFORM "PART TIME" INSPECTION FOR THE DRAINAGE INSTALLATION AND STREET CONSTRUCTION. THE PUBLIC WORKS INSPECTOR MUST BE PRESENT FOR TESTING. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING TESTING.
3. MINIMUM DENSITY FOR ASPHALT SHALL BE 92% OF THE MAXIMUM THEORETICAL DENSITY.
4. SUBGRADE MUST BE PLACED ON UNYIELDING MATERIAL - ADDITIONAL UNDERCUT MAY BE REQUIRED.
5. ALL IN-SITU SOILS FOR SUBGRADE SHALL HAVE A LIQUID LIMIT LESS THAN 40, A PLASTICITY INDEX LESS THAN 15, AND A CBR GREATER THAN 8. INADEQUATE SOILS SHALL BE UNDERCUT 2 FEET AND REPLACED WITH "HILLSIDE MATERIAL" (SOILS WITH CBR OF 8 OR GREATER, AND AS CLASSIFIED AS GM OR GC SOILS) - GEOTECHNICAL TESTING REQUIRED TO DETERMINE SOIL ACCEPTANCE.
6. SUBGRADE (HILLSIDE) SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR. PROCTOR CURVE DATA SHALL BE SUPPLIED TO THE CITY ON ALL MATERIAL BY THE ENGINEER OF RECORD. WITHOUT THE COPY OF THE SITE SPECIFIC PROCTOR CURVE, MOISTURE CONTENT MUST BE WITHIN 2% OF OPTIMUM WHEN TESTED.
7. BASE COURSE (CLASS 7 AGGREGATE BASE) SHALL BE COMPACTED TO 98% OF MODIFIED PROCTOR ON LOCAL AND RESIDENTIAL STREETS. COLLECTOR AND ABOVE SHALL BE COMPACTED TO 100% MODIFIED PROCTOR.
8. CURING COMPOUND IS REQUIRED FOR ALL CONCRETE IN RIGHT OF WAY OR EASEMENTS, ANY COLOR EXCEPT CLEAR. FOLLOW STANDARD ENGINEERING PRACTICE FOR PLACEMENT IN HOT, WINDY, AND COLD WEATHER.
9. CURB MUST BE CAULKED BEFORE BACKFILL AND STREET PAVED. ACCEPTABLE SUPPLIERS ARE OMNI SEAL 50, PECORA 864 AND 865, DOW CORNING 888, OR PRE-APPROVED EQUAL.



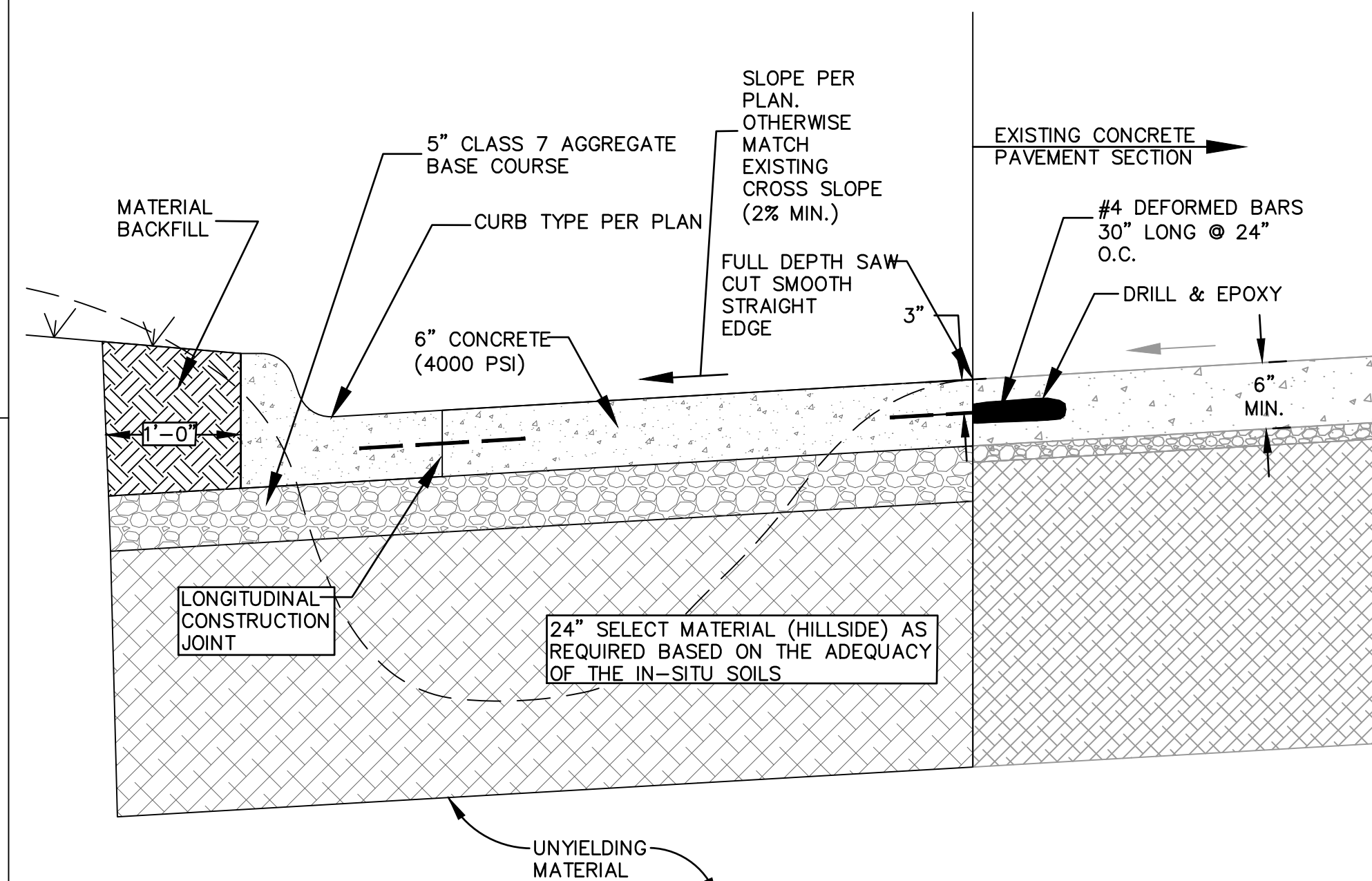
ASPHALT STREET SECTION - OPTION 2
NOT TO SCALE

NOTES

1. THIS DETAIL IS TO BE USED WHEN THE WIDTH OF WIDENING ALLOWS STEEL WHEEL ROLLER TO COMPACT AGGREGATE BASE COURSE BETWEEN NEW GUTTER AND EXISTING PAVEMENT.
2. THE ENGINEER OF RECORD SHALL PERFORM "PART TIME" INSPECTION FOR THE DRAINAGE INSTALLATION AND STREET CONSTRUCTION. THE PUBLIC WORKS INSPECTOR MUST BE PRESENT FOR TESTING. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING TESTING.
3. MINIMUM DENSITY FOR ASPHALT SHALL BE 92% OF THE MAXIMUM THEORETICAL DENSITY.
4. SUBGRADE MUST BE PLACED ON UNYIELDING MATERIAL - ADDITIONAL UNDERCUT MAY BE REQUIRED.
5. ALL IN-SITU SOILS FOR SUBGRADE SHALL HAVE A LIQUID LIMIT LESS THAN 40, A PLASTICITY INDEX LESS THAN 15, AND A CBR GREATER THAN 8. INADEQUATE SOILS SHALL BE UNDERCUT 2 FEET AND REPLACED WITH "HILLSIDE MATERIAL" (SOILS WITH CBR OF 8 OR GREATER, AND AS CLASSIFIED AS GM OR GC SOILS) - GEOTECHNICAL TESTING REQUIRED TO DETERMINE SOIL ACCEPTANCE.
6. SUBGRADE (HILLSIDE) SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR. PROCTOR CURVE DATA SHALL BE SUPPLIED TO THE CITY ON ALL MATERIAL BY THE ENGINEER OF RECORD. WITHOUT THE COPY OF THE SITE SPECIFIC PROCTOR CURVE, MOISTURE CONTENT MUST BE WITHIN 2% OF OPTIMUM WHEN TESTED.
7. BASE COURSE (CLASS 7 AGGREGATE BASE) SHALL BE COMPACTED TO 98% OF MODIFIED PROCTOR ON LOCAL AND RESIDENTIAL STREETS. COLLECTOR AND ABOVE SHALL BE COMPACTED TO 100% MODIFIED PROCTOR.
8. CURING COMPOUND IS REQUIRED FOR ALL CONCRETE IN RIGHT OF WAY OR EASEMENTS, ANY COLOR EXCEPT CLEAR. FOLLOW STANDARD ENGINEERING PRACTICE FOR PLACEMENT IN HOT, WINDY, AND COLD WEATHER.
9. CURB MUST BE CAULKED BEFORE BACKFILLED AND STREET PAVED. ACCEPTABLE SUPPLIERS ARE OMNI SEAL 50, PECORA 864 AND 865, DOW CORNING 888, OR PRE-APPROVED EQUAL.



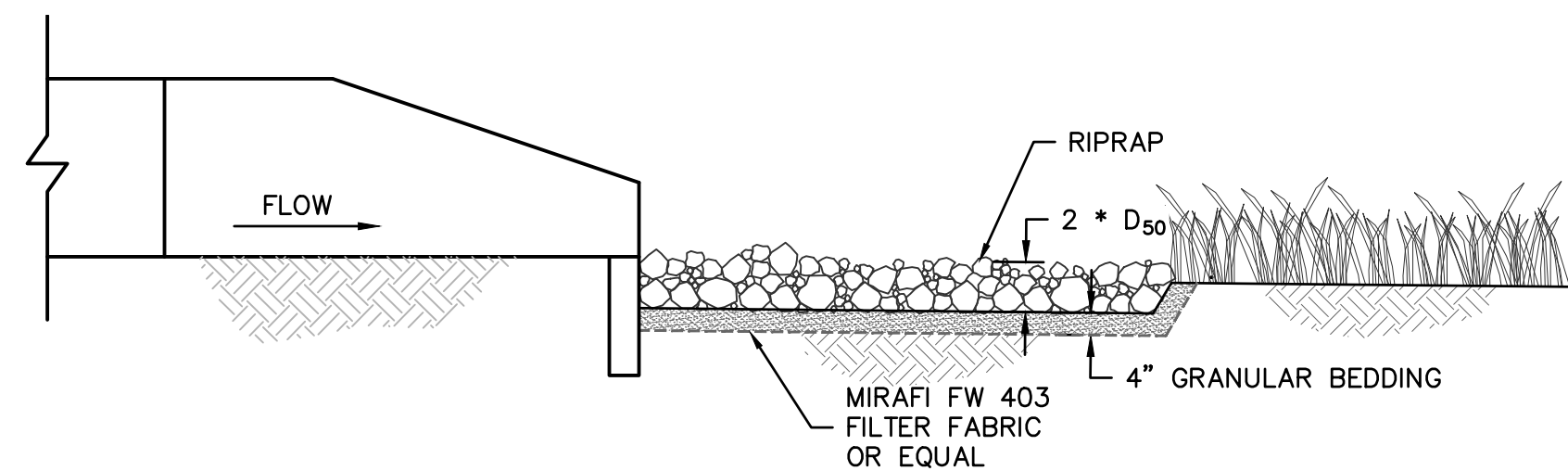
SINGLE PIPE EXTENSION
REINFORCED CONCRETE COLLAR DETAIL
NOT TO SCALE



CONCRETE STREET SECTION
NOT TO SCALE

NOTES

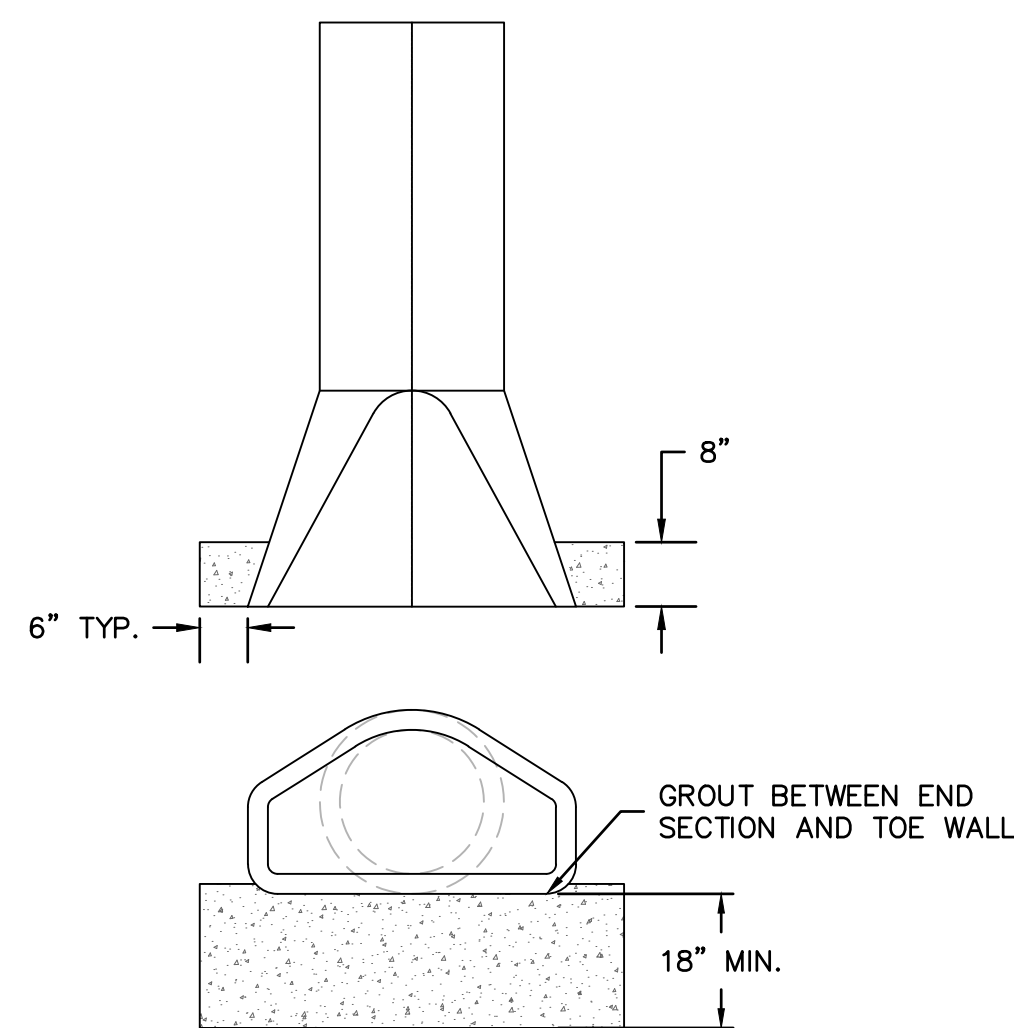
1. CONCRETE STREET WIDENING SHALL MATCH JOINT PATTERN OF EXISTING PAVEMENT.
2. THE ENGINEER OF RECORD SHALL PERFORM "PART TIME" INSPECTION FOR THE DRAINAGE INSTALLATION AND STREET CONSTRUCTION. THE PUBLIC WORKS INSPECTOR MUST BE PRESENT FOR TESTING. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING TESTING.
3. SUBGRADE MUST BE PLACED ON UNYIELDING MATERIAL - ADDITIONAL UNDERCUT MAY BE REQUIRED.
4. ALL IN-SITU SOILS FOR SUBGRADE SHALL HAVE A LIQUID LIMIT LESS THAN 40, A PLASTICITY INDEX LESS THAN 15, AND A CBR GREATER THAN 8. INADEQUATE SOILS SHALL BE UNDERCUT 2 FEET AND REPLACED WITH "HILLSIDE MATERIAL" (SOILS WITH CBR OF 8 OR GREATER, AND AS CLASSIFIED AS GM OR GC SOILS) - GEOTECHNICAL TESTING REQUIRED TO DETERMINE SOIL ACCEPTANCE.
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8. CURB MUST BE CAULKED BEFORE BACKFILLED AND STREET PAVED. ACCEPTABLE SUPPLIERS ARE OMNI SEAL 50, PECORA 864 AND 865, DOW CORNING 888, OR PRE-APPROVED EQUAL.



RIPRAP APRON DETAIL
PROFILE VIEW
N.T.S.

NOTES:

1. RIPRAP SHALL BE PLACED IN SUCH A MANNER AS TO AVOID SEGREGATION OF VARIOUS SIZES OF ROCK, AND DISTRIBUTED SO THAT THERE WILL BE NO LARGE ACCUMULATION OF EITHER THE LARGER OR SMALLER SIZES OF STONE.
2. INDIVIDUAL ROCKS SHALL BE PLACED IN TIGHT CONTACT WITH ONE ANOTHER IN SUCH A WAY TO PRODUCE THE LEAST AMOUNT OF VOID SPACES.
3. RIPRAP SHALL BE SOLID, UNFRACTURED ROCK OR CONCRETE, BULKY IN SHAPE WITH SHARP, ANGULAR EDGES.
4. GRANULAR BEDDING SHALL CONSIST OF 1" CLEAN, FRACTURED LIMESTONE.
5. INSTALL FILTER FABRIC ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.



TOE WALL DETAIL
N.T.S.



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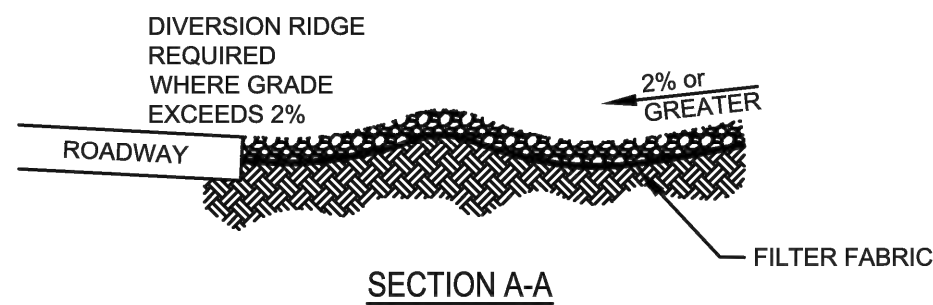
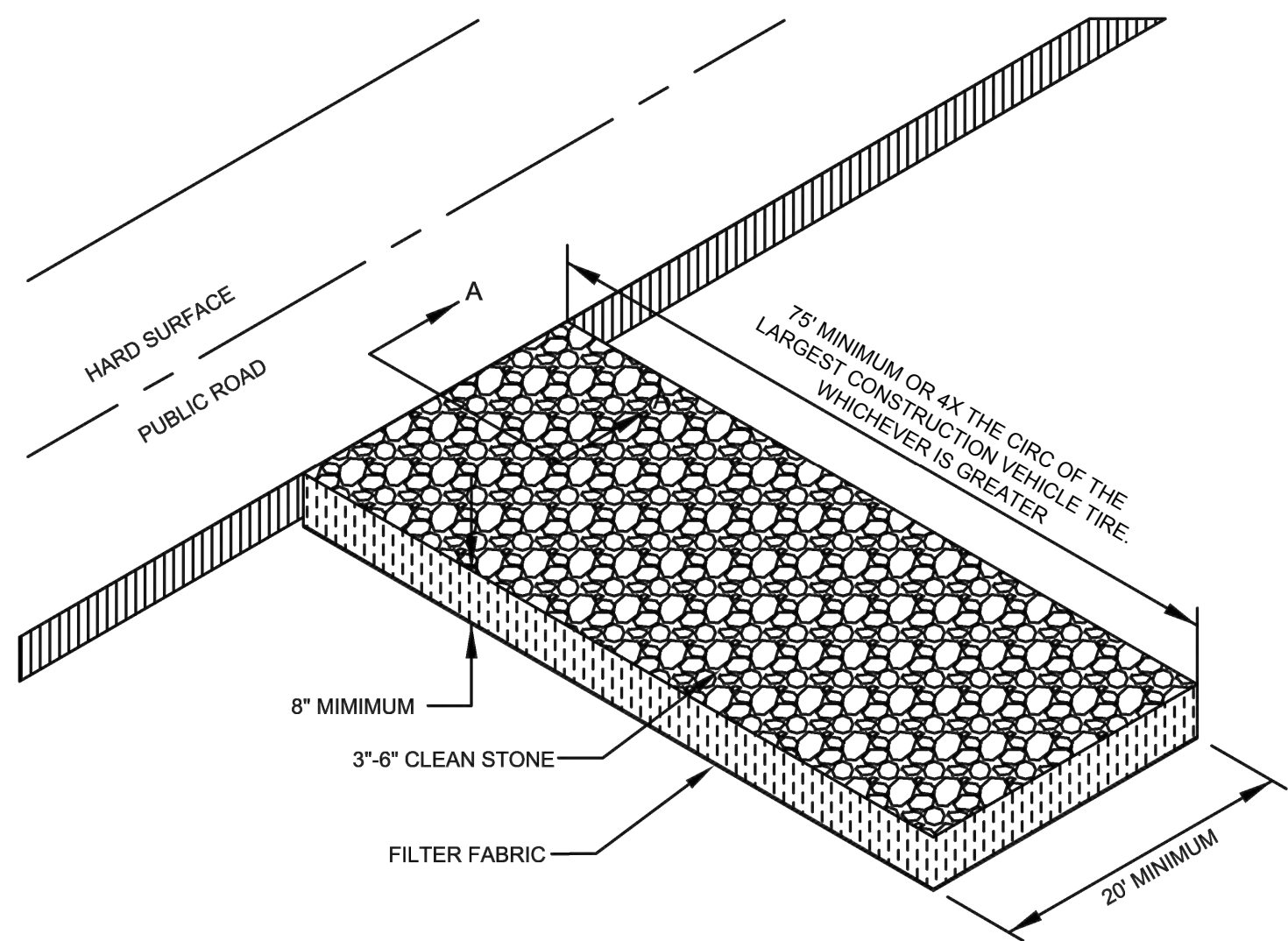
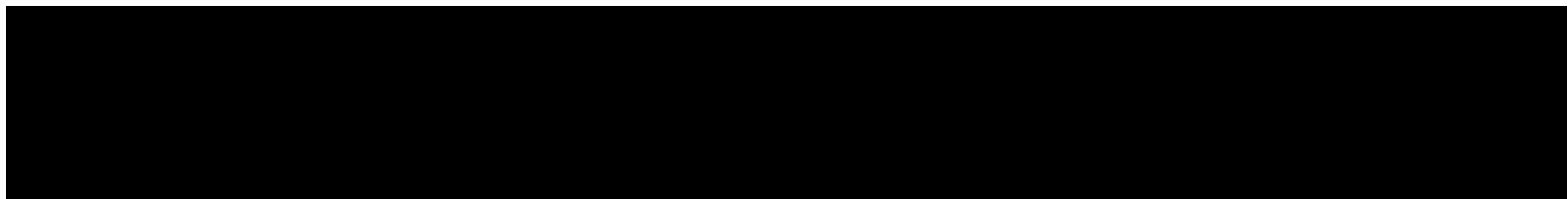
SW 10TH STREET & SW F STREET STORMWATER IMPROVEMENTS

BENTONVILLE, AR

2023

drawn by: _____ KTF
checked by: _____ JDA
approved by: _____ EJS
QA/QC by: _____ EJS
project no.: _____ 021-04210-G
drawing no.: W DTL01 G2104210
date: _____ 09.13.2023

SHEET
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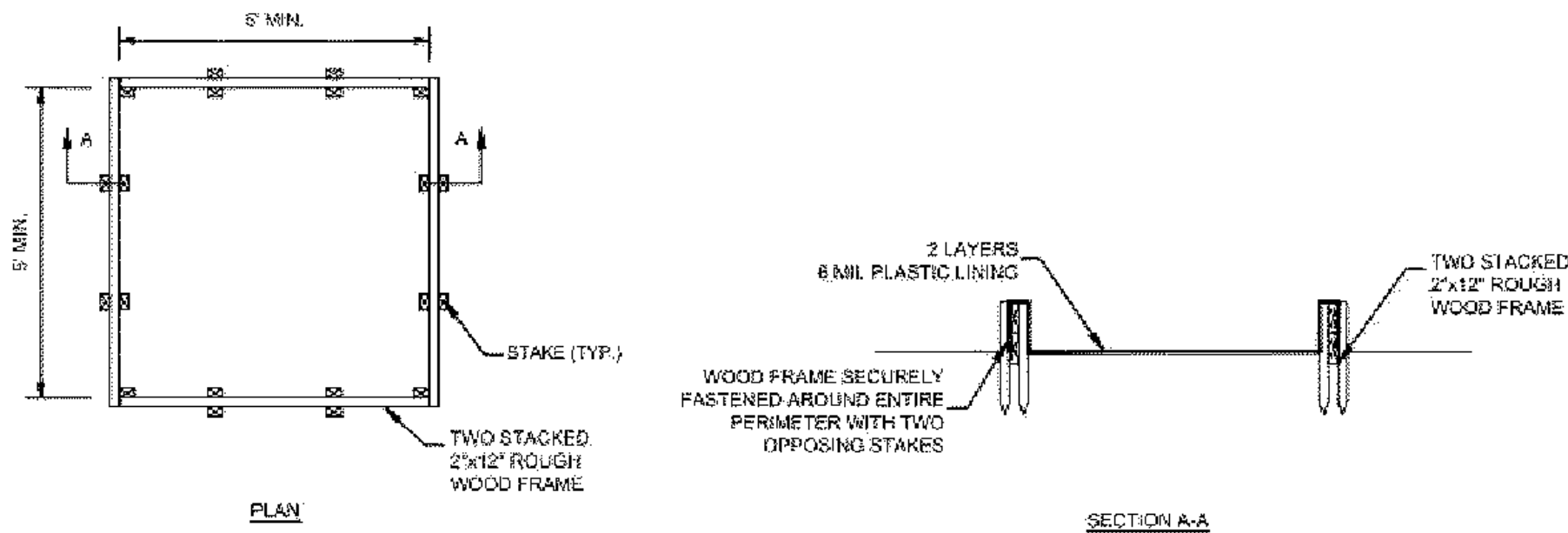


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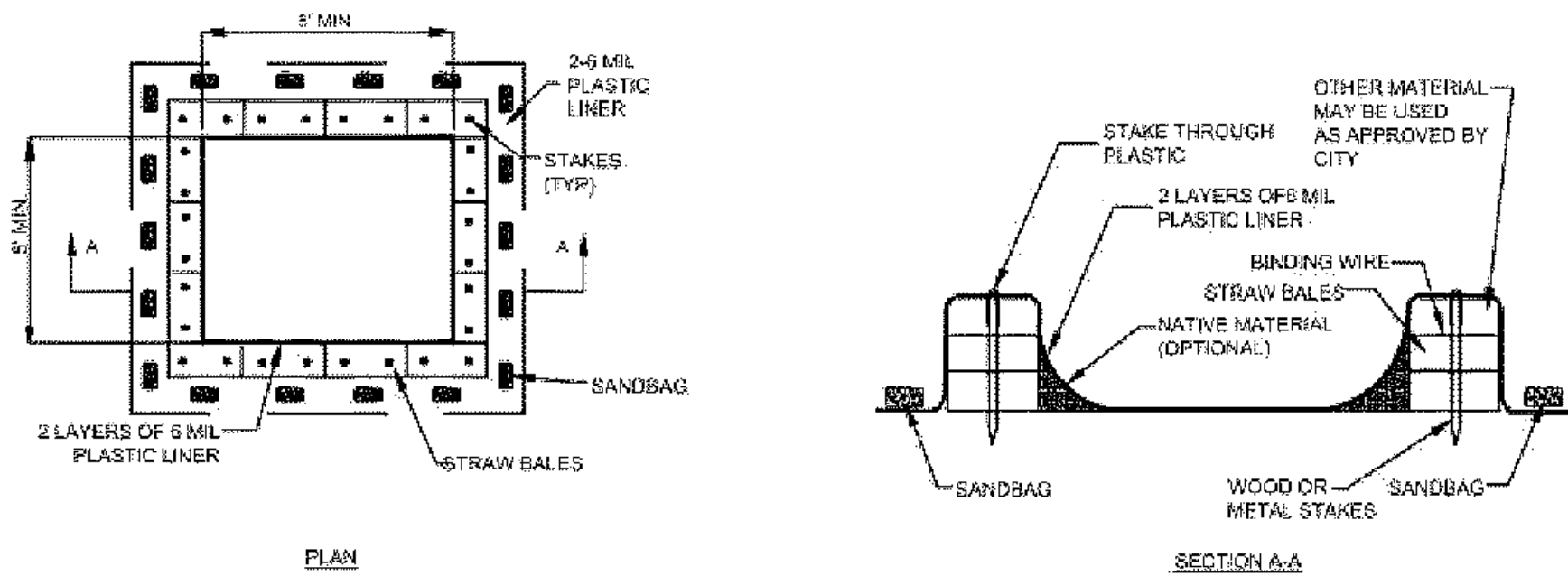
1. REPLACE CONTAMINATED STONE AS REQUIRED TO PREVENT TRACKING OF SEDIMENT OR MUD ON PUBLIC STREETS.
2. CLEAN STREETS DAILY WITH BROOM (NO POWER BROOM) AND SHOVEL. THE USE OF WATER IS PROHIBITED.
3. ALL VEHICLES MUST USE CONSTRUCTION EXIT.
4. IF WHEEL WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

STABILIZED CONSTRUCTION EXIT

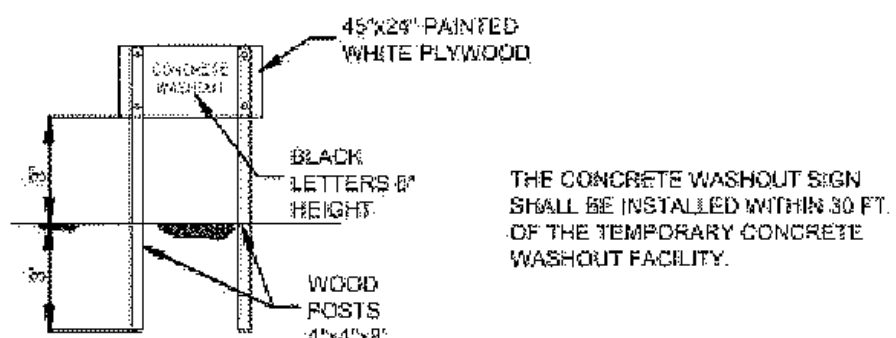
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TIMBER CONCRETE WASHOUT



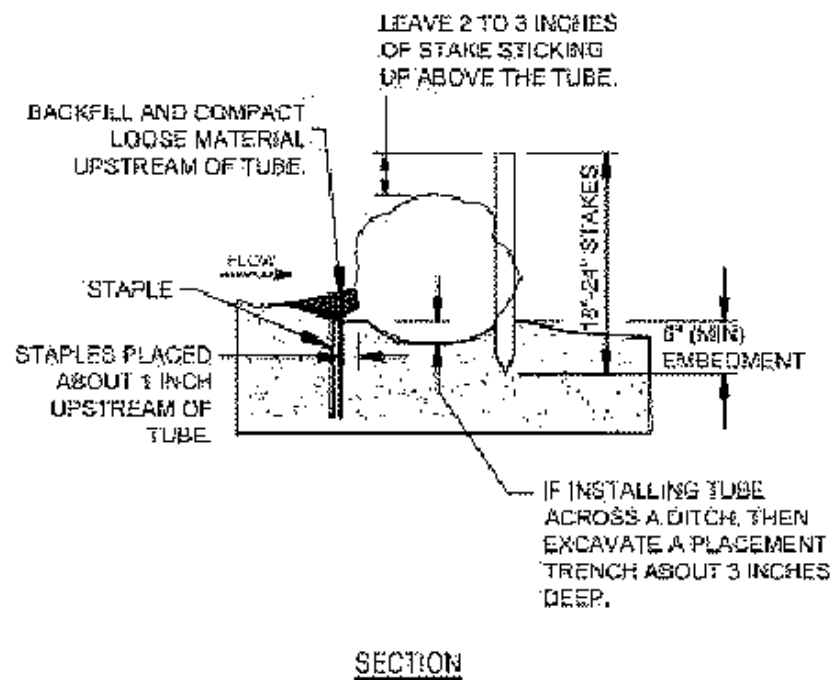
STRAW CONCRETE WASHOUT



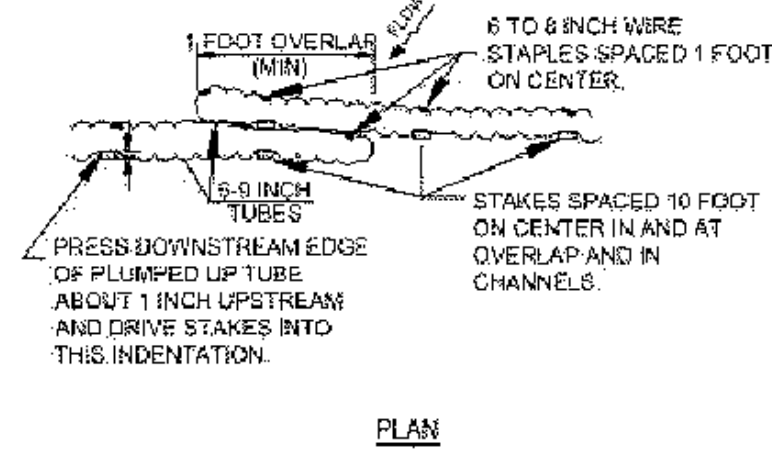
CONCRETE WASHOUT SIGN DETAIL

CONCRETE WASHOUT

NOT TO SCALE



SECTION



PLAN

GENERAL GUIDELINES FOR SPACING OF TIE IRONS FOR SLOPE INSTALLATIONS	
SLOPE GRADIENT	TIE INTERVAL
1H:1V	15 FEET
2H:1V	20 FEET
3H:1V	35 FEET
4H:1V	60 FEET

GENERAL GUIDELINES FOR SPACING OF TUBE TRENCHES FOR CHANNEL INSTALLATIONS	
SCOPE	TUBE INTERVAL
2%	25 FEET

EXAMPLES OF ACCEPTABLE COMMERCIALLY
AVAILABLE SEDIMENT LOGS ARE:

1. SALT SOCK
2. BIG RED
3. EROSION EEL

SEDIMENT LOG DETAIL

NOT TO SCALE



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BY

REVISIONS DESCRIPTION

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2.

DETAIL SHEET

SW 10TH STREET & SW F STREET STORMWATER IMPROVEMENTS

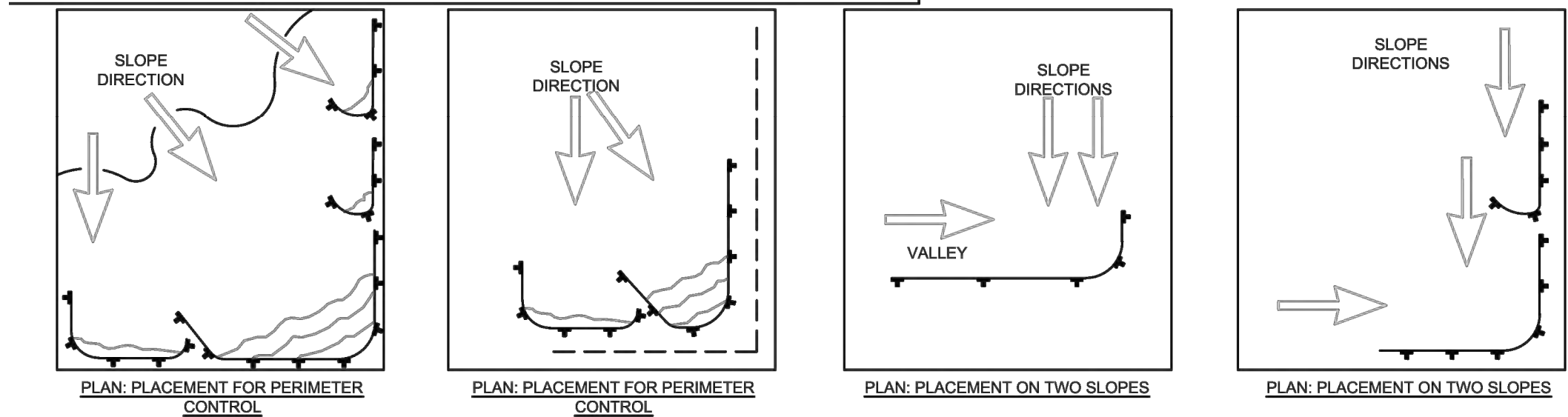
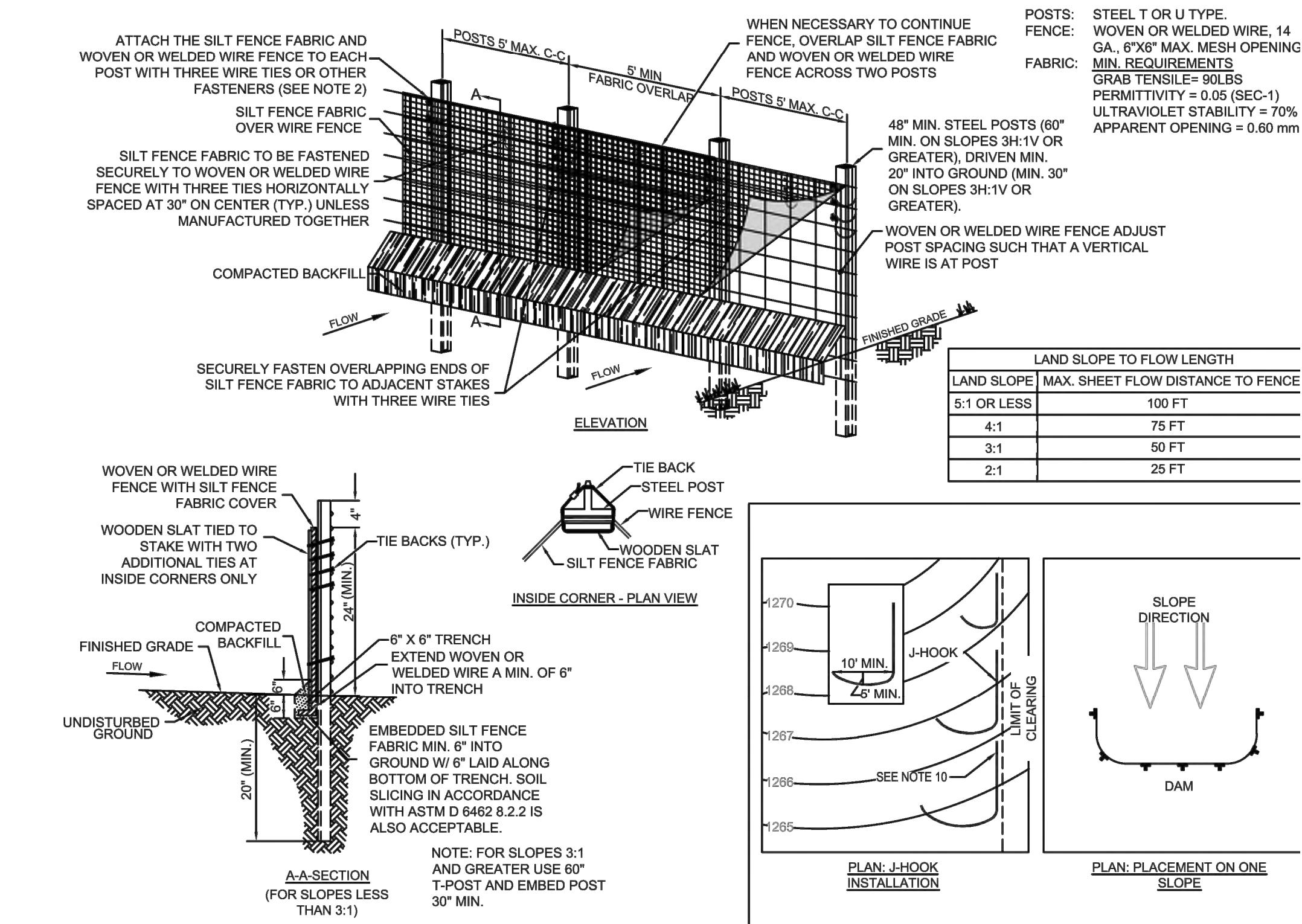
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SHEET
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- INSTALLATION NOTES:
- MATERIALS AND INSTALLATION SHALL COMPLY WITH ASTM D 6462 LATEST EDITION.
 - INSTALL SILT FENCE AT A FAIRLY LEVEL GRADE ALONG THE CONTOUR WITH THE ENDS CURVED UPHILL TO PROVIDE SUFFICIENT UPSTREAM STORAGE VOLUME FOR THE ANTICIPATED RUNOFF.
 - ATTACH THE GEOTEXTILE OR FABRIC TO THE WOVEN OR WELDED WIRE FENCE WITH THREE WIRE TIES OR OTHER FASTENERS (HORIZONTALLY SPACED EVERY 30"), ALL SPACED WITHIN THE TOP 8" OF THE FABRIC. ATTACH EACH TIE DIAGONALLY 45 DEGREES THROUGH THE FABRIC, WITH EACH PUNCTURE AT LEAST 1" VERTICALLY APART. AT EACH POST, ATTACH THE GEOTEXTILE OR FABRIC AND THE WOVEN OR WELDED WIRE FENCE TO THE POST AS PREVIOUSLY STATED. IN ADDITION, EACH TIE PLACED ON A POST SHOULD BE POSITIONED TO HANG ON A POST NIPPLE WHEN TIGHTENED TO PREVENT SAGGING.
 - WHEN TWO SECTIONS OF SILT FENCE FABRIC ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED A MINIMUM OF 60" ACROSS TWO POSTS, AS SHOWN.
 - ALL SILT FENCE SHALL INCLUDE WIRE SUPPORT.
 - WRAP APPROXIMATELY 6" OF FABRIC AROUND THE END POSTS AND SECURE WITH 3 TIES.
 - COMPACT THE SOIL IMMEDIATELY NEXT TO THE SILT FENCE FABRIC WITH THE FRONT WHEEL OF THE TRACTOR, SKID STEER, OR ROLLER EXERTING AT LEAST 60 POUNDS PER SQ. INCH.
 - COMPACT THE UPSTREAM SIDE FIRST. COMPACT EACH SIDE TWICE FOR A TOTAL OF FOUR TRIPS.
 - ADD POST CAPS AS NEEDED BASED ON SITE CONDITIONS AND APPLICABLE AGENCY REQUIREMENTS.
- J-HOOK NOTES:
- J-HOOKS SHALL BE USED WHENEVER THE SILT FENCE LINE IS INSTALLED AT AN ANGLE OF 30 DEGREES OR GREATER FROM PARALLEL TO CONTOURS.
 - START DOWN-GRADIENT SILT FENCE LINE AS CLOSE AS POSSIBLE TO UP-GRADIENT J-HOOK.
- MAINTENANCE NOTES:
- SILT FENCES SHALL BE INSPECTED ALONG ITS ENTIRETY AND MUST BE CLEANED WHEN SEDIMENT HAS ACCUMULATED TO ONE-THIRD THE HEIGHT OF THE SILT FENCE. MAINTENANCE CLEANOUT MUST BE CONDUCTED REGULARLY TO PREVENT ACCUMULATED SEDIMENTS FROM REACHING ONE-THIRD THE HEIGHT OF THE SILT FENCE.
 - SPECIAL ATTENTION SHOULD BE PAID TO ENSURE THAT NO UNDERMINING OF SILT FENCE HAS OCCURRED AND THAT NO BYPASS IS OCCURRING AT JOINING SECTIONS.
 - IF EXCESS SEDIMENT IS ACCUMULATING IN ANY SECTION OF SILT FENCE, THE CONTRACTOR SHOULD IMPLEMENT ADDITIONAL UPSTREAM STABILIZATION MEASURES OR ADDITIONAL BMPS (PENDING CITY APPROVAL) TO PREVENT EXCESSIVE BUILDUP ON SILT FENCE.
 - SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED.

SILT FENCE WITH WIRE BACKING
NOTES & REQUIREMENTS
NOT TO SCALE

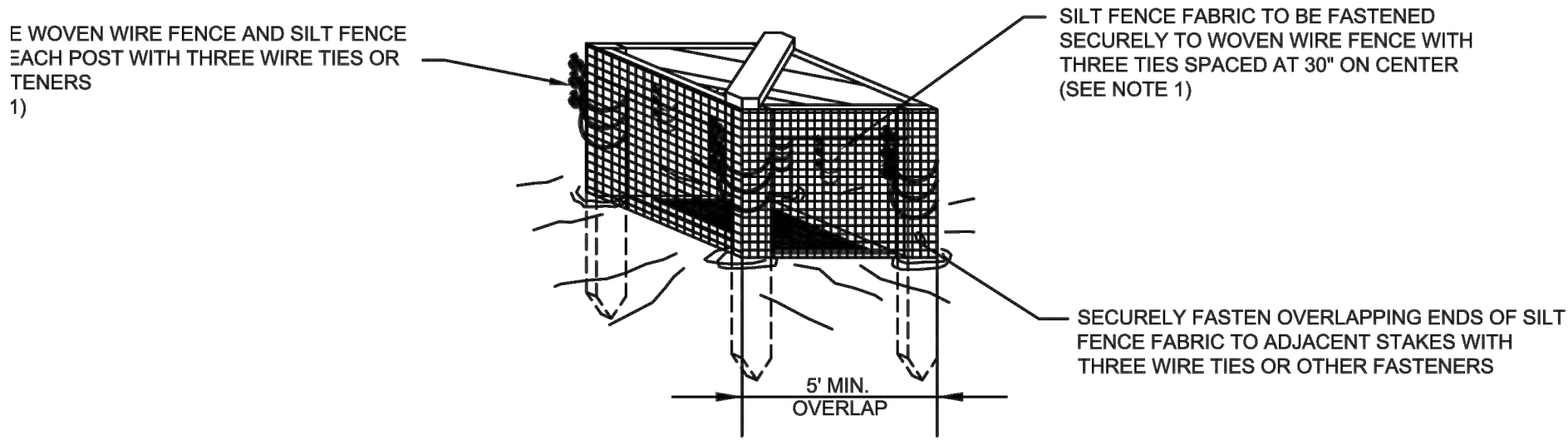
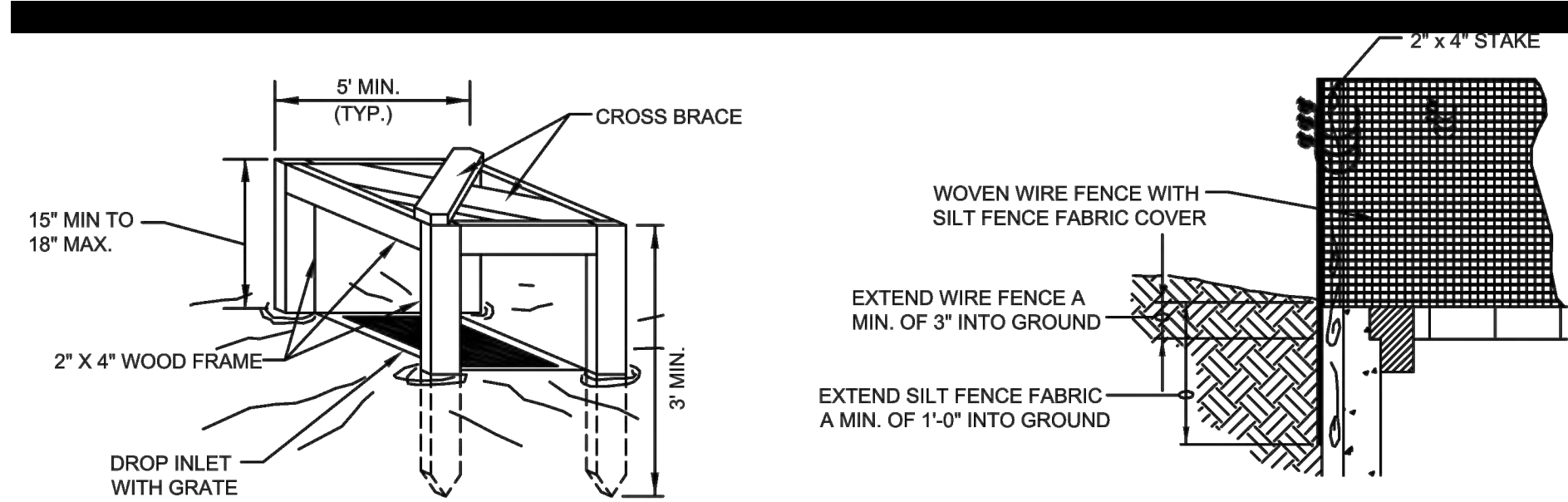
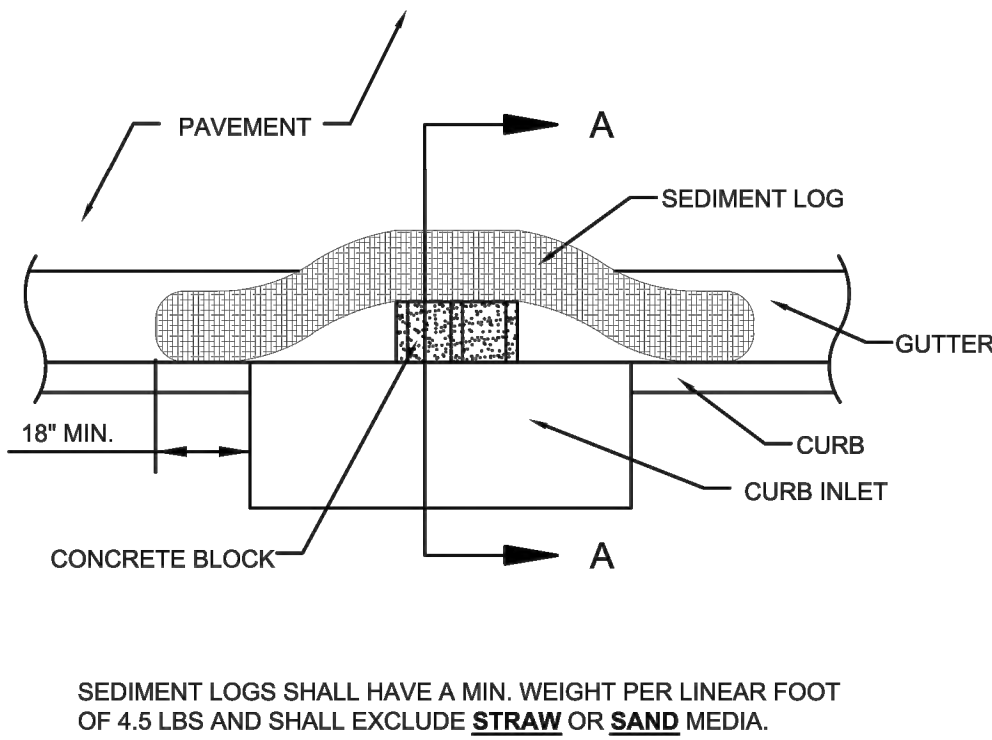
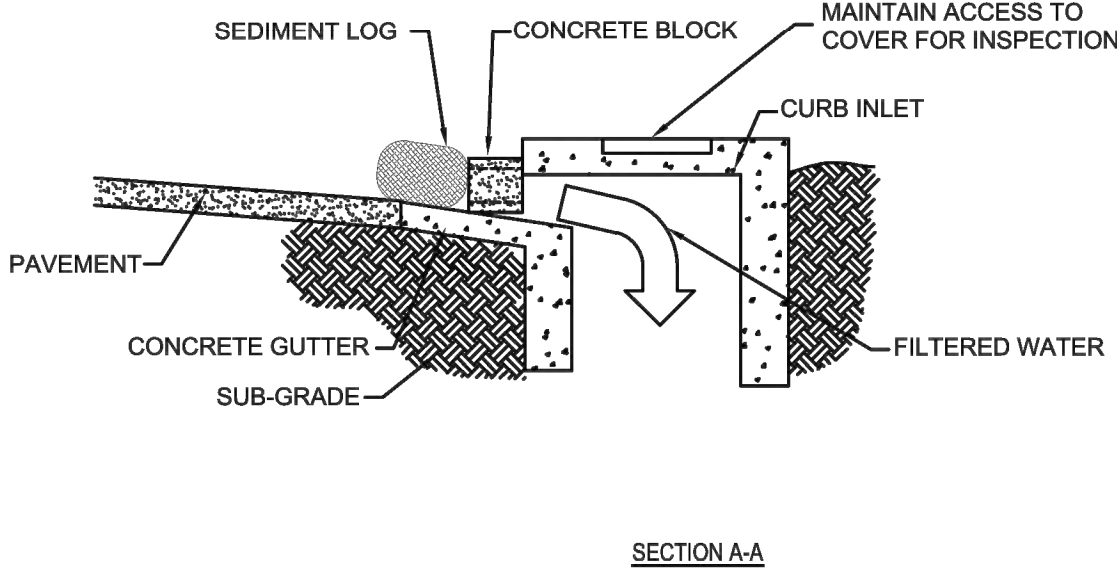
NOTES:

- PLACE DEVICES AROUND PERIMETER OF GRATE/AREA INLET, WITH ENDS OF ADJACENT SEDIMENT LOGS OVERLAPPING 12" MIN.
- PLACEMENT OF DEVICES SHALL EXTEND 12" MIN BEYOND THE LIMITS OF THE CURB INLET STRUCTURE ON BOTH SIDES.
- IF ROAD OR PARKING AREA IS OPEN TO PUBLIC, VERIFY SUITABILITY OF BMP WITH CITY INSPECTOR.

MAINTENANCE NOTES:

- INLET PROTECTION DEVICES MUST BE INSPECTED FOR SEDIMENT ACCUMULATION WITHIN THE CATCH BASIN OR UPGRADIENT OF THE INLET.
- ANY SEDIMENT ACCUMULATED IN OR ADJACENT TO A STORM DRAIN INLET MUST BE REMOVED AS SOON AS PRACTICABLE BUT NOT LATER THAN 3 DAYS AFTER DISCOVERY.
- INLET PROTECTION DEVICES SHALL BE INSPECTED FOR UNINTENDED BYPASS OR IMPROPER FLOW-RATES THAT MAY CAUSE DOWNSTREAM FLOODING.
- CONTACT THE CITY INSPECTOR FOR ALTERNATE INLET PROTECTION IF THE DESIGNED PROTECTION MAY IMPACT DOWNSTREAM BMPS, ADJACENT SLOPES, ETC., DUE TO PONDING ISSUES. ENSURE THAT NO UNDERMINING OF INLET PROTECTION DEVICES HAS OCCURRED.
- INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION.

SEDIMENT LOG CURB INLET PROTECTION
(ON GRADE)
NOT TO SCALE



- POSTS: 2" X 4" WOODEN STAKE
- FENCE: WOVEN WIRE, 14-1/2 GA., 6" MAX. MESH OPENING
- FABRIC: IN ACCORDANCE WITH ASTM D 6461 LATEST EDITION

NOTES:

- ATTACH THE WOVEN WIRE FENCE AND THE GEOTEXTILE TO EACH POST (SPACED EVERY 30") WITH THREE WIRE TIES OR OTHER FASTENERS, ALL SPACED WITHIN THE TOP 8" OF THE FABRIC. ATTACH EACH TIE DIAGONALLY 45 DEGREES THROUGH THE FABRIC, WITH EACH PUNCTURE AT LEAST 1" VERTICALLY APART.
 - WHEN TWO SECTIONS OF SILT FENCE FABRIC ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED ACROSS TWO POSTS.
 - MAINTENANCE SHALL BE PERFORMED AS NOTED IN THE SWPPP. DEPTH OF ACCUMULATED SEDIMENTS MAY NOT EXCEED ONE-THIRD THE HEIGHT OF THE FABRIC.
 - ALL SILT FENCE INLET PROTECTIONS SHALL INCLUDE WIRE SUPPORT.
- MAINTENANCE NOTES:**
- INLET PROTECTION DEVICES MUST BE INSPECTED FOR SEDIMENT ACCUMULATION WITHIN THE CATCH BASIN (IF USING INSERT-TYPE DEVICE) OR UPGRADIENT OF THE INLET.
 - ANY SEDIMENT ACCUMULATED IN OR ADJACENT TO A STORM DRAIN INLET MUST BE REMOVED AS SOON AS PRACTICABLE BUT NOT LATER THAN 3 DAYS AFTER DISCOVERY.
 - INLET PROTECTION DEVICES SHALL BE INSPECTED FOR UNINTENDED BYPASS OR IMPROPER FLOW-RATES THAT MAY CAUSE DOWNSTREAM FLOODING.
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 - INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION.

DROP INLET SILT FENCE
NOT TO SCALE



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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
NO. 19111
ERIC JOSEPH SHELTON

BY

REVISIONS DESCRIPTION

DATE

REV. NO.

DETAIL SHEET

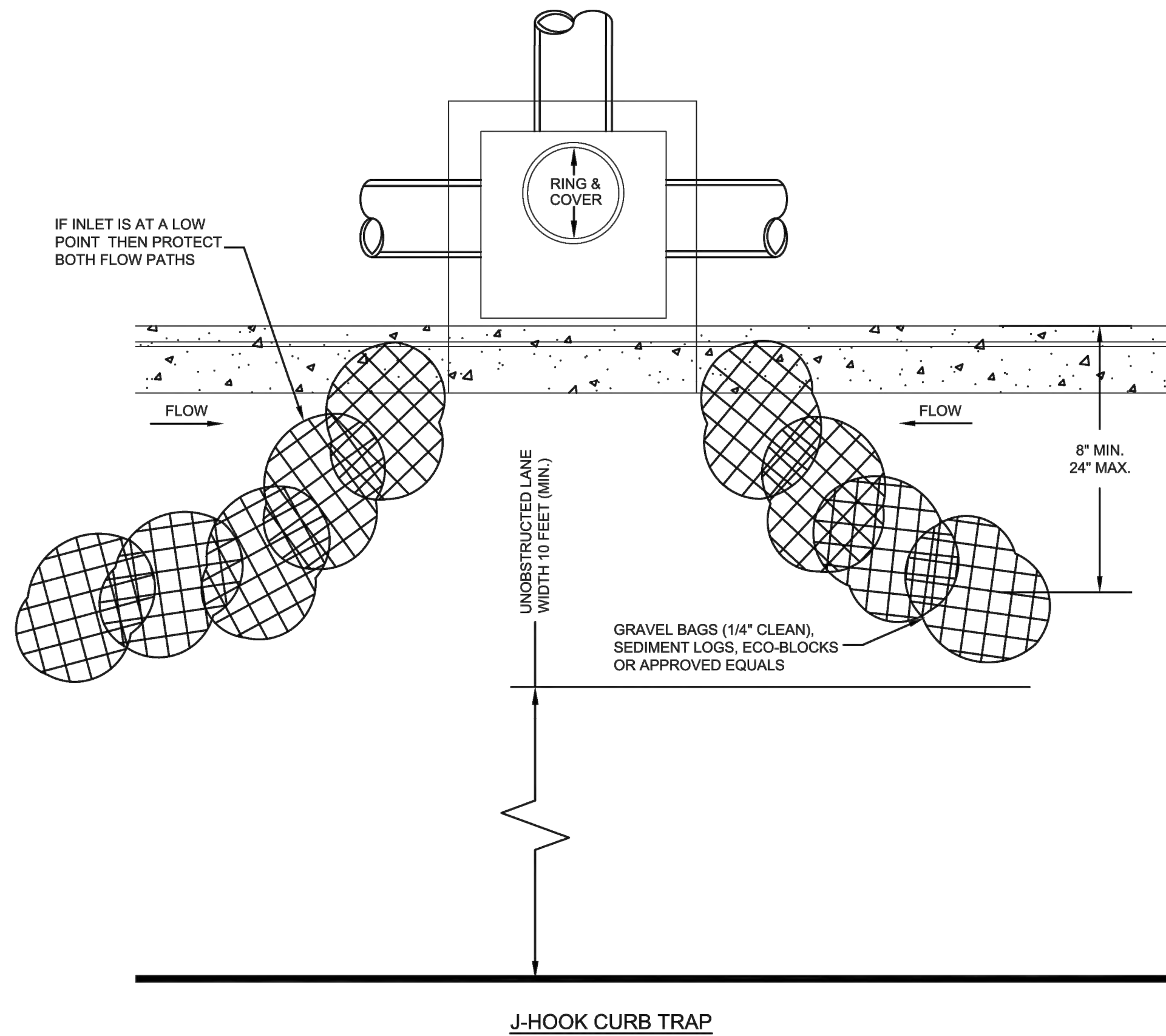
SW 10TH STREET & SW F STREET
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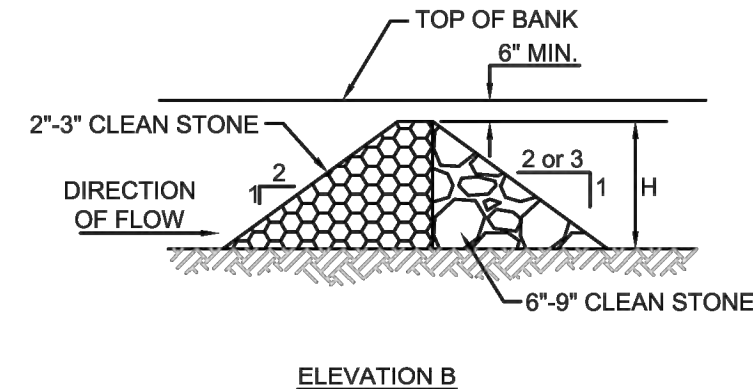
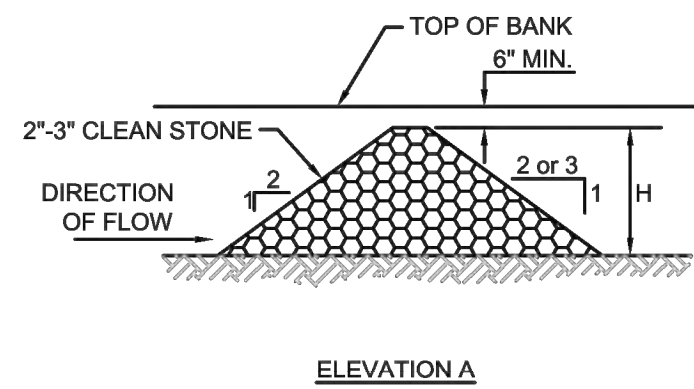
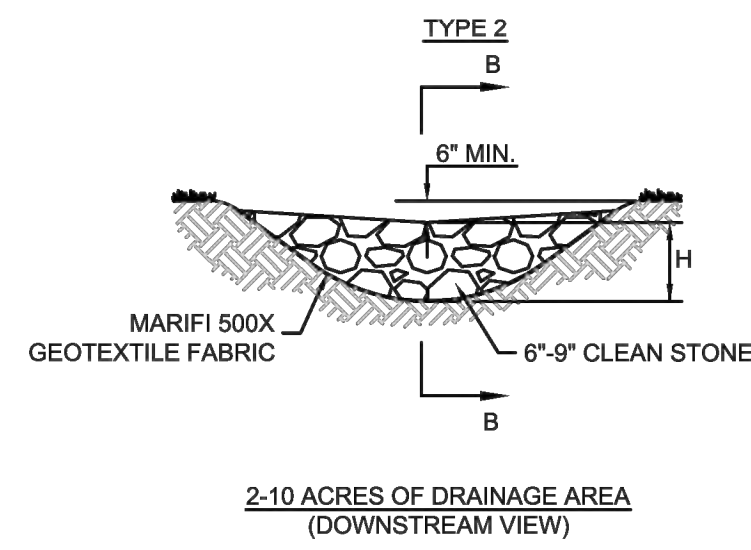
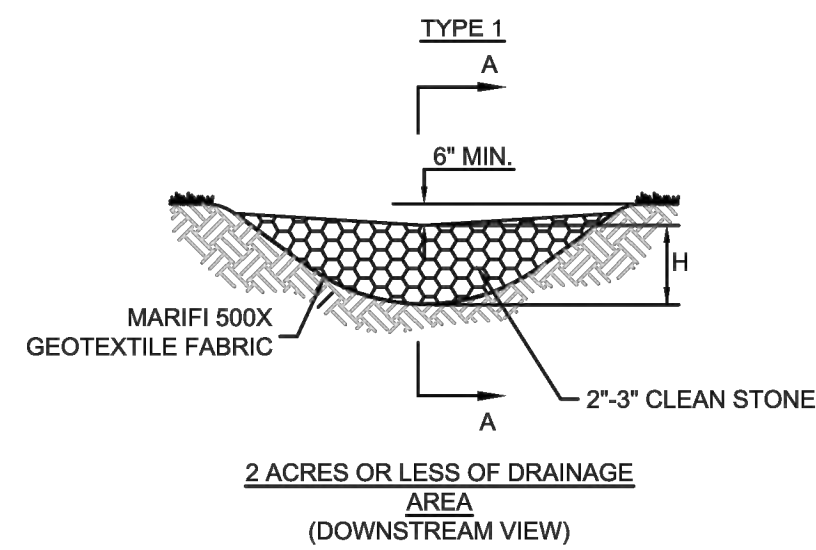
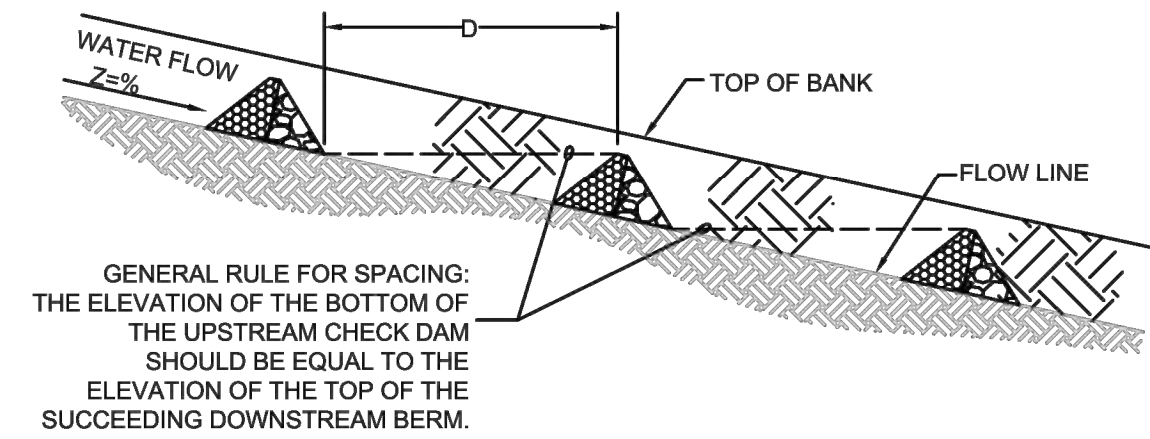


MAINTENANCE NOTES

1. INLET PROTECTION DEVICES MUST BE INSPECTED FOR SEDIMENT ACCUMULATION WITHIN THE CATCH BASIN OR UPGRADIENT OF THE INLET.
2. ANY SEDIMENT ACCUMULATED IN OR ADJACENT TO A STORM DRAIN INLET MUST BE REMOVED AS SOON AS PRACTICABLE BUT NOT LATER THAN 3 DAYS AFTER DISCOVERY.
3. INLET PROTECTION DEVICES SHALL BE INSPECTED FOR UNINTENDED BYPASS OR IMPROPER FLOW-RATES THAT MAY CAUSE DOWNSTREAM FLOODING.
4. CONTACT THE CITY INSPECTOR FOR ALTERNATE INLET PROTECTION IF THE DESIGNED PROTECTION MAY IMPACT DOWNSTREAM BMPs, ADJACENT SLOPES, ETC., DUE TO PONDING ISSUES. ENSURE THAT NO UNDERMINING OF INLET PROTECTION DEVICES HAS OCCURRED.
5. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION.

J-HOOK CURB INLET PROTECTION DEVICE

NOT TO SCALE



INSTALLATION NOTES

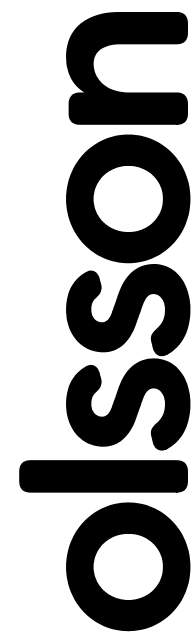
1. STONES SHOULD BE PLACED UP THE CHANNEL BANKS TO PREVENT WATER FROM CUTTING AROUND THE DITCH CHECK.
2. INSTALLATION SHALL BE PLACED EITHER BY HAND OR MECHANICALLY (NOT JUST DUMPED) TO ACHIEVE COMPLETE COVERAGE OF THE DITCH AND ENSURE THE CENTER OF THE DAMN IS LOWER THAN THE EDGES.
3. MAXIMUM SPACING BETWEEN MULTIPLE DAMS SHOULD BE SUCH THAT THE TOE OF THE UPSTREAM CHECK IS THE SAME AS THE TOP OF THE DOWNSTREAM CHECK.

INSPECTION NOTES:

4. SEDIMENT SHOULD BE REMOVED WHEN IT REACHES 1/2 THE ORIGINAL CHECK HEIGHT.
5. IN THE CASE OF GRASS-LINED DITCHES OR SWALES, ROCK DITCH CHECKS SHOULD BE REMOVED WHEN THE GRASS HAS MATURED SUFFICIENTLY TO PROTECT THE DITCH OR SWALE, IF THE SLOPE IS 4% OR LESS.
6. THE AREA BENEATH THE ROCK DITCH CHECKS SHOULD BE SEEDED AND MULCHED IMMEDIATELY AFTER THE CHECK DAM REMOVAL.

ROCK CHECK DAM

NOT TO SCALE



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drawn by: _____ KTF checked by: _____ JDA approved by: _____ EJS QA/QC by: _____ EJS project no.: _____ 021-04210-G drawing no.: W_DTL_ERC_G2104210 date: _____ 09.13.2023		DETAIL SHEET		REV. NO.	DATE	REVISIONS DESCRIPTION	BY
SW 10TH STREET & SW F STREET STORMWATER IMPROVEMENTS		BENTONVILLE, AR					
		2023		REVISIONS			



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REFERENCE DOCUMENTS

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REVISIONS

2023

ELC DETAIL SHEET

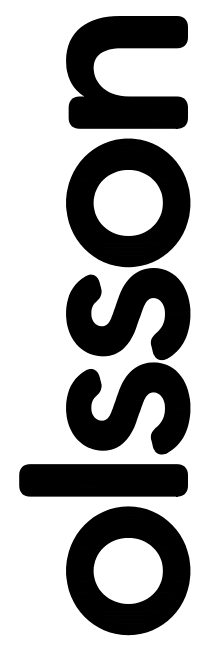
SW 10TH STREET & SW F STREET STORMWATER IMPROVEMENTS

BENTONVILLE, AR

drawn by: _____
checked by: _____
approved by: _____
QA/QC by: _____
project no.: 021-04210-G
drawing no.: W ELC01 G2104210
date: 03.10.2023

SHEET
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REFERENCE DOCUMENTS

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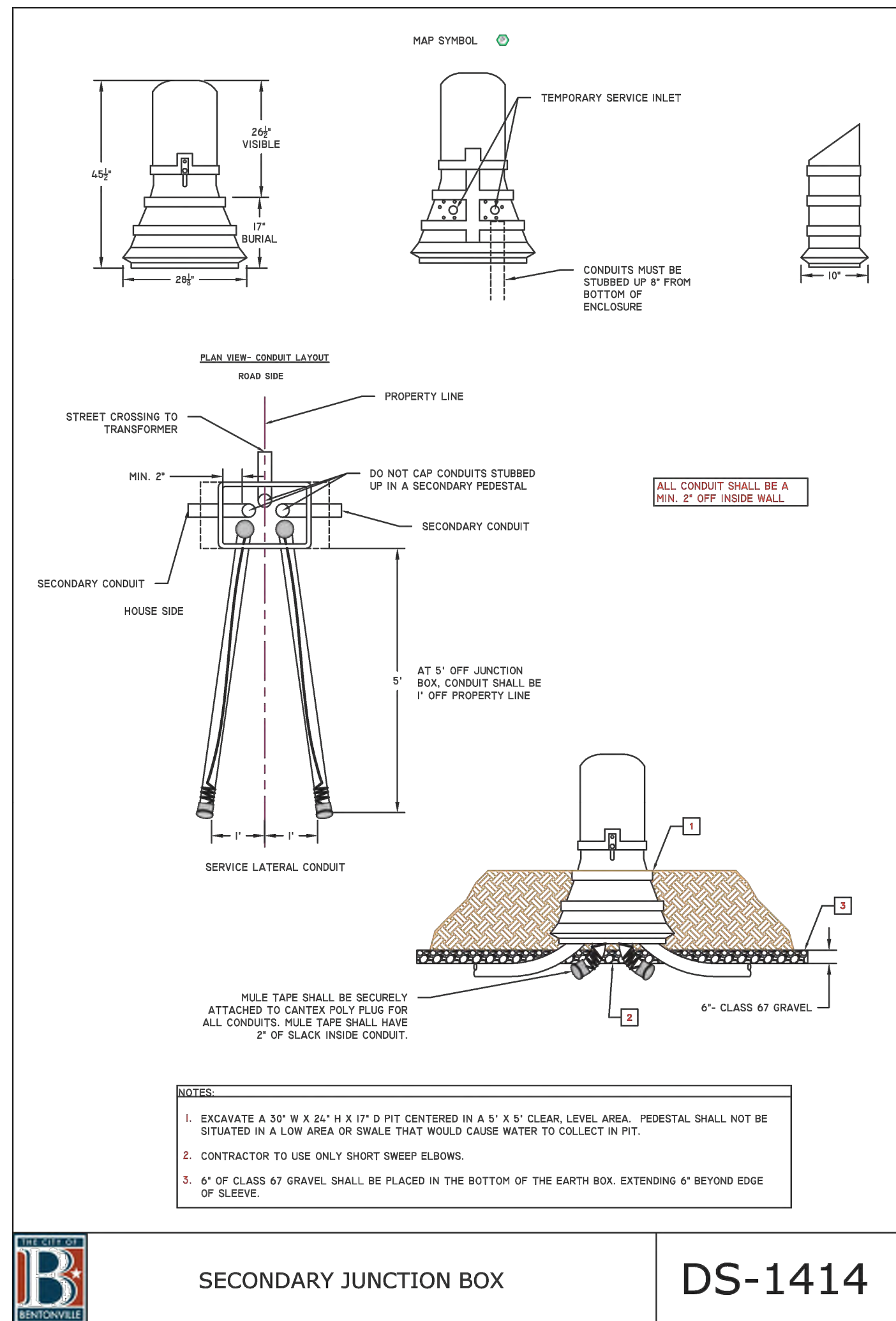
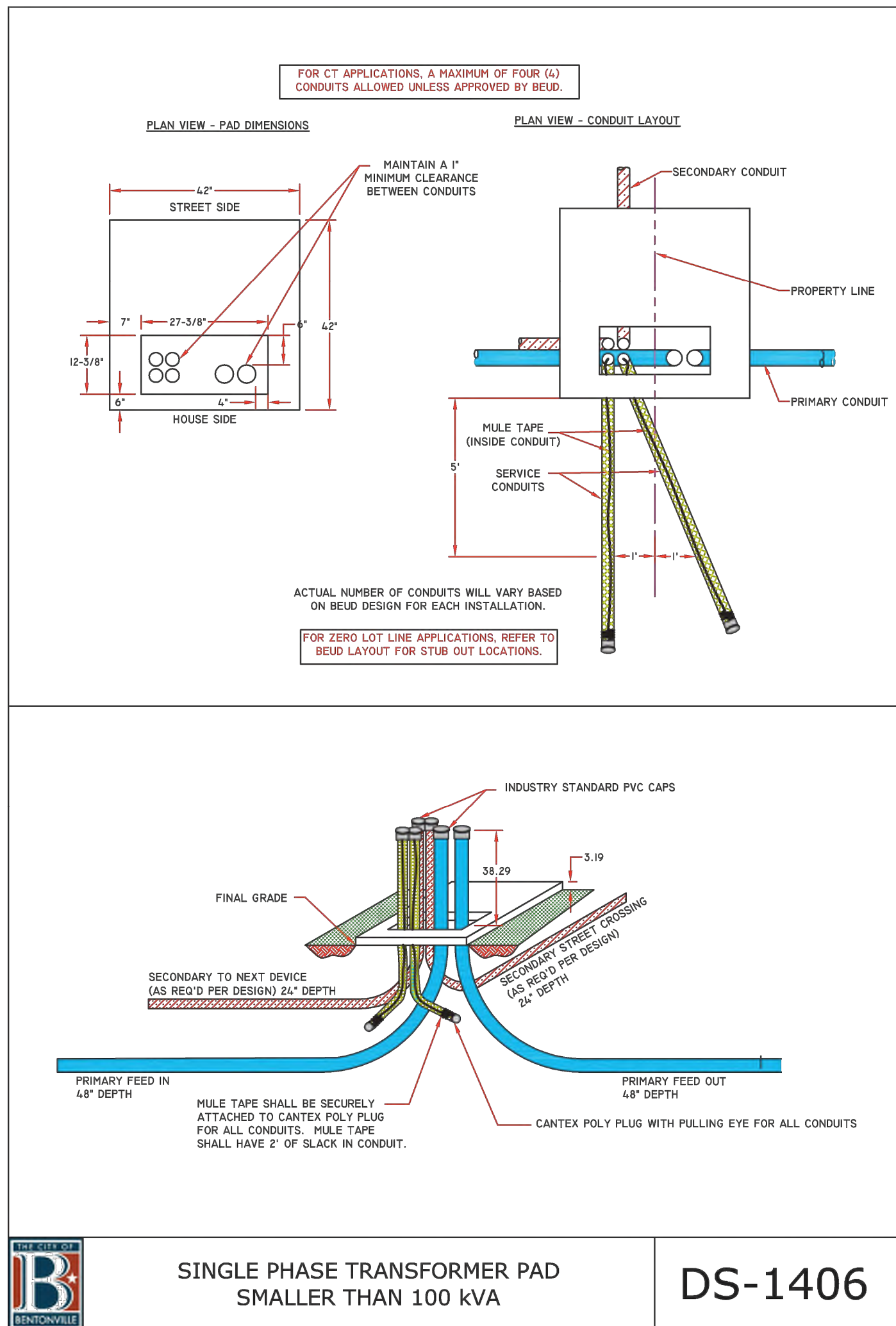
REVISIONS

2023

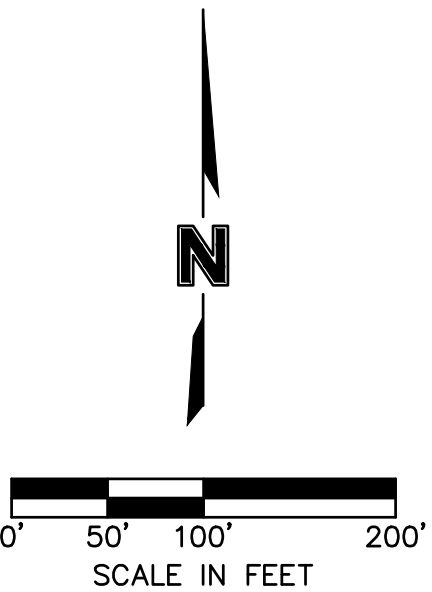
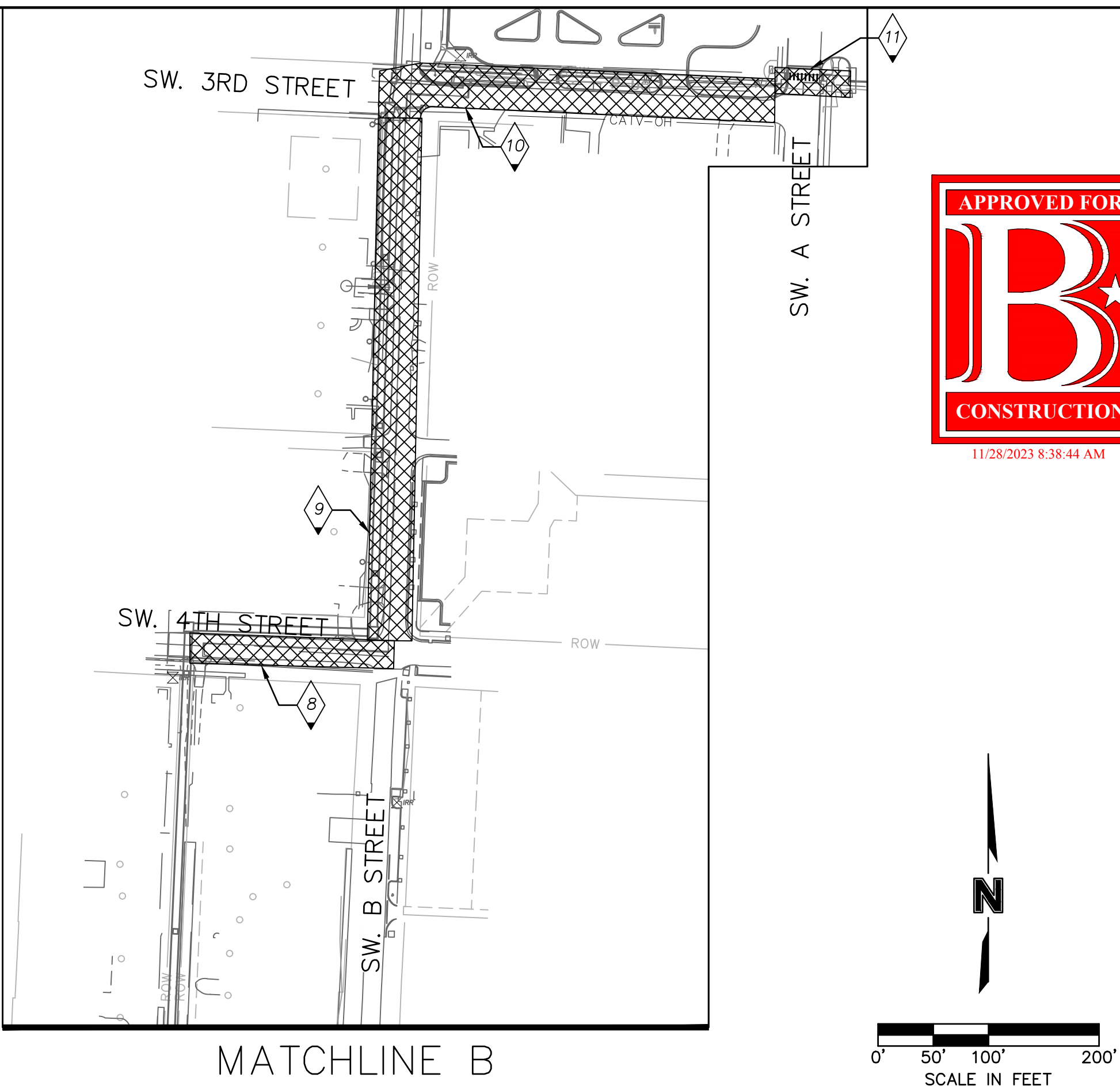
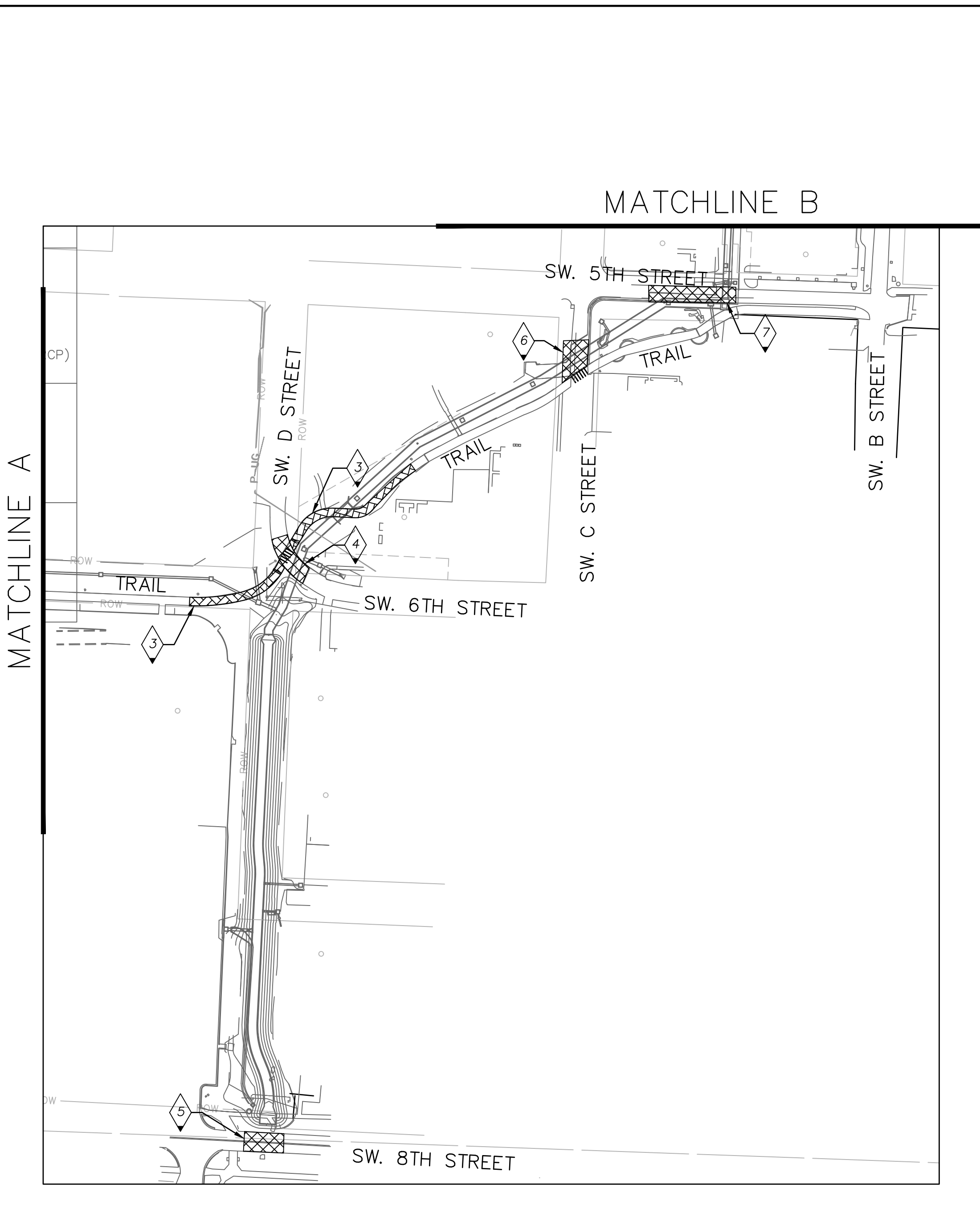
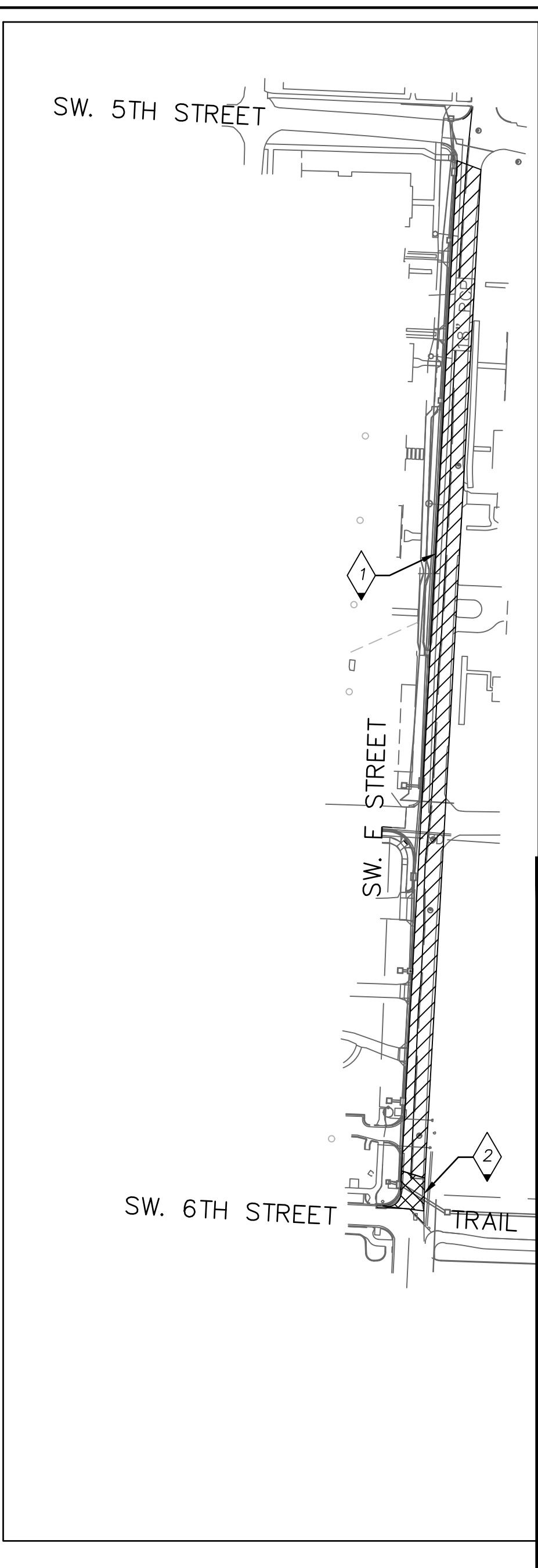
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QA/QC by: _____
project no.: 021-04210-G
drawing no.: W_ELC01_G2104210
date: 03.10.2023

SHEET
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USER: nmcrnel



CONSTRUCTION NOTES:

- 1 LANE CLOSURE OF SW. E ST WITH FLAGGER OPERATIONS. SEE DETAIL 1 ON SHEET 21.
- 2 FULL CLOSURE OF SW. E ST FOR STORM INSTALLATION. SEE DETAIL 4 ON SHEET 21. PLACE BARRICADES AT SW 5TH STREET AND SW 6TH SREET INTERSECTIONS WITH SW E STREET. NO DETOUR SIGNING REQUIRED.
- 3 PARTIAL OR FULL TRAIL CLOSURE AS NEEDED FOR STORM INSTALLATION. SEE DETAIL 5 ON SHEET 21.
- 4 FULL CLOSURE OF SW. 6TH ST FOR STORM INSTALLATION. SEE DETAIL 4 ON SHEET 21. PLACE BARRICADES AT SW 5TH STREET WITH SW D STREET AND SW 6TH STREET WITH SW C STREET INTERSECTIONS. NO DETOUR SIGNING REQUIRED.
- 5 FULL CLOSURE OF SW. 8TH ST FOR STORM INSTALLATION. WORK TO BE PHASED TO PROVIDE ONE LANE OF TRAFFIC. SEE DETAIL 1 ON SHEET 21.
- 6 FULL CLOSURE OF SW. C ST FOR STORM INSTALLATION. SEE DETAIL 4 ON SHEET 21. PLACE BARRICADES AT SW 5TH STREET AND SW 6TH STREET INTERSECTIONS WITH SW E STREET. NO DETOUR SIGNING REQUIRED.
- 7 FULL CLOSURE OF SW. 5TH ST FOR STORM INSTALLATION. SEE DETAIL 4 ON SHEET 21. PLACE BARRICADES AT SW 5TH STREET INTERSECTIONS WITH SW C STREET AND SW B STREET. NO DETOUR SIGNING REQUIRED.
- 8 FULL CLOSURE OF SW. 4TH ST FOR STORM INSTALLATION. SEE DETAIL 4 ON SHEET 21. PLACE BARRICADES AT SW 4TH STREET INTERSECTIONS WITH SW C STREET AND SW B STREET. NO DETOUR SIGNING REQUIRED.
- 9 FULL CLOSURE OF SW. B ST FOR STORM INSTALLATION. SEE DETAIL 4 ON SHEET 21. PLACE BARRICADES AT SW B STREET INTERSECTIONS WITH SW 3RD STREET AND SW 4TH STREET. NO DETOUR SIGNING REQUIRED.
- 10 FULL CLOSURE OF SW. 3RD ST FOR STORM INSTALLATION. SEE DETAIL 4 ON SHEET 21. PLACE BARRICADES AT SW 3RD STREET INTERSECTIONS WITH SW B STREET AND SW A STREET. NO DETOUR SIGNING REQUIRED.
- 11 FULL CLOSURE OF SW. A ST FOR PROPOSED WATERLINE INSTALLATION. SEE DETAIL 5 ON SHEET 21 SIDEWALK CLOSURE SIGNAGE. PLACE BARRICADES AT SW A STREET INTERSECTIONS WITH SW 4TH STREET AND SW HENRY STREET. DETOUR VEHICLES TO MAIN STREET DURING CONSTRUCTION OF PROPOSED WATER LINE.

GENERAL NOTES:

1. ROADWAY CLOSURES SHALL OCCUR IN STAGES AND/OR TEMPORARY ACCESS PROVIDED SO THAT PRIVATE ACCESS IS MAINTAINED AT ALL TIMES. CONTRACTOR TO DETERMINE CONSTRUCTION AND TEMPORARY TRAFFIC CONTROL SEQUENCING.
2. ALL TEMPORARY TRAFFIC CONTROL SHALL CONFORM TO THE STANDARDS OUTLINED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) AND THE CITY OF BENTONVILLE "MINIMUM STANDARD SPECIFICATIONS FOR STREETS". WHERE THE CITY OF BENTONVILLE SPECIFICATIONS ARE NOT APPLICABLE, ARKANSAS DEPARTMENT OF TRANSPORTATION (ARDOT) STANDARDS SHALL ALSO APPLY.
3. ADDITIONAL REQUIREMENTS ON STANDARD TRAFFIC CONTROL DETAIL SHEETS PROVIDED HEREIN SHALL ALSO APPLY.
4. AS WITH ALL CONSTRUCTION ACTIVITIES, TRAFFIC SITUATIONS ARE SUBJECT TO CHANGE. ALTERNATE TRAFFIC CONTROL AND/OR DETOUR PLANS SHALL RECEIVE WRITTEN APPROVAL FROM THE CITY ENGINEER PRIOR TO COMMENCEMENT.
5. CONTRACTOR SHALL KEEP A SURFACED BIKE PATH OPEN FOR THE DOWNTOWN BIKE TRAIL. ALL ROADWAYS AND SIDEWALKS SHALL REMAIN OPEN TO THE PUBLIC EXCEPT FOR LIMITED CLOSURES OF NO MORE THAN 5 DAYS. TEMPORARY PAVEMENT MAY BE USED AT CONTRACTOR'S DISCRETION TO RESTORE ACCESS PRIOR TO PERMANENT PAVING. ONE ADDITIONAL CLOSURE OF NO MORE THAN 24 HOURS WILL BE ALLOWED FOR PERMANENT PAVEMENT REPLACEMENT.

LEGEND

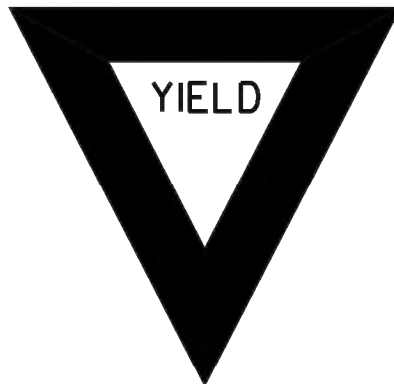
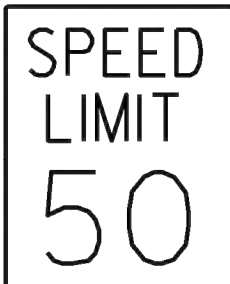
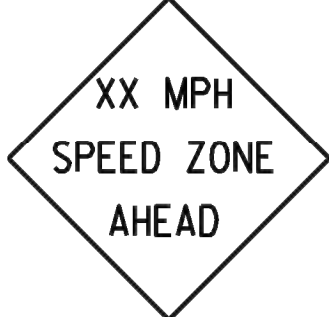
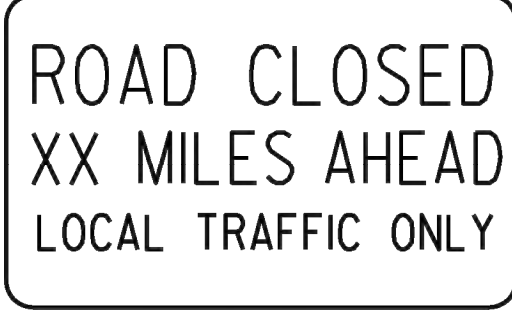
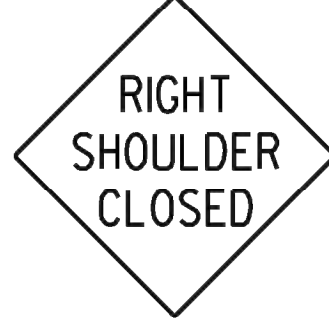
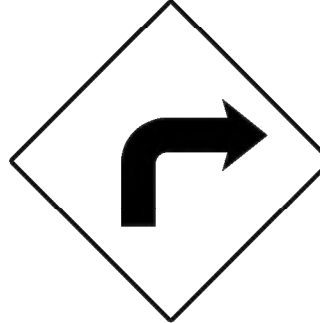
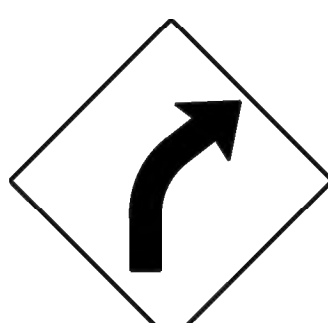
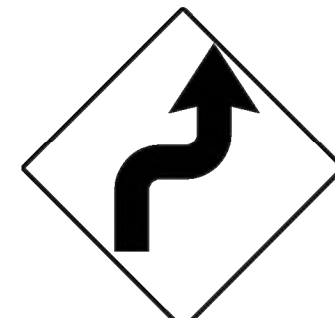
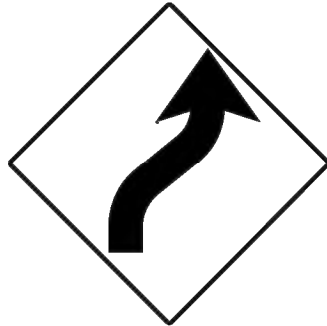
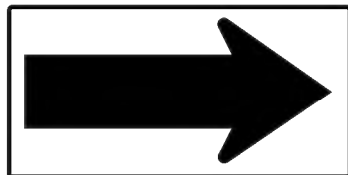
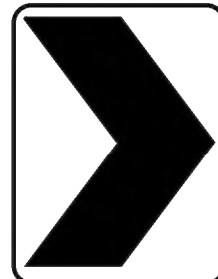
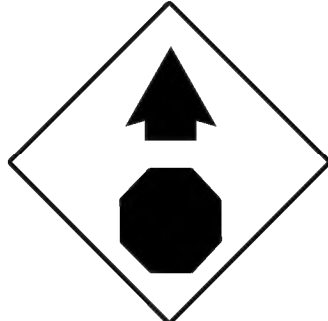
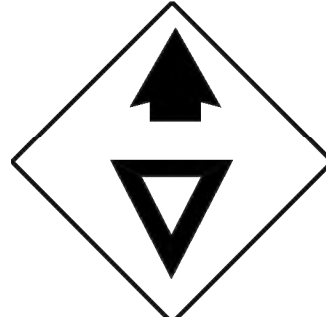
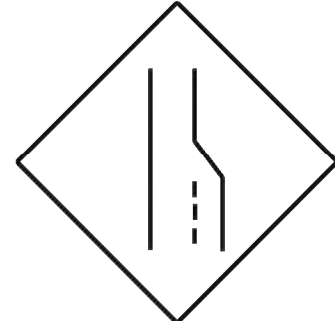
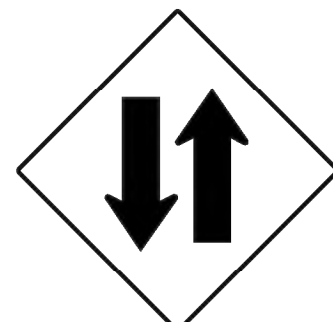
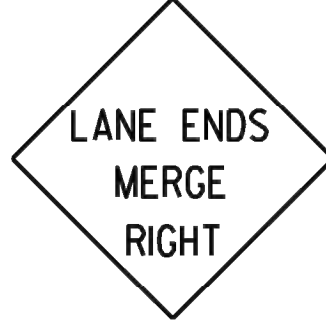
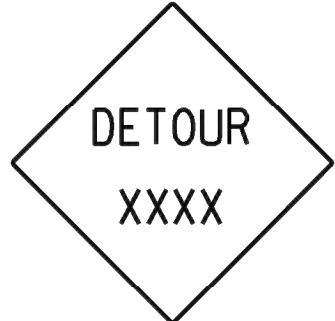
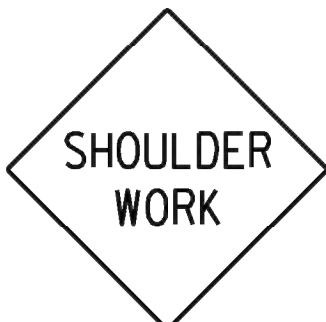
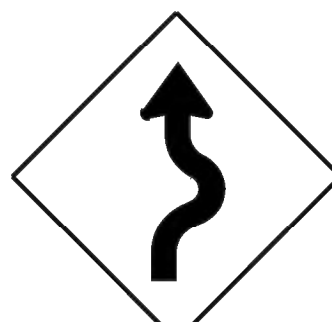
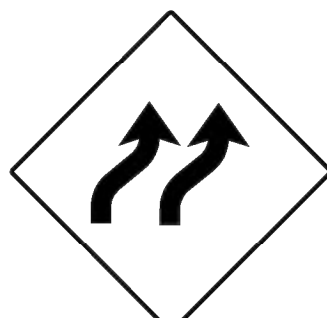
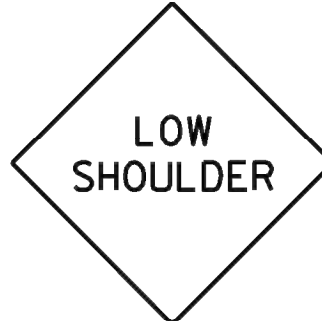
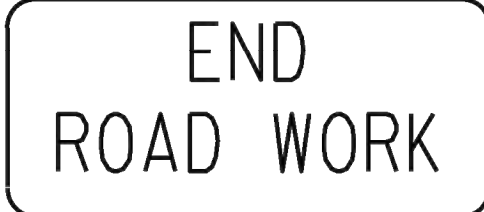
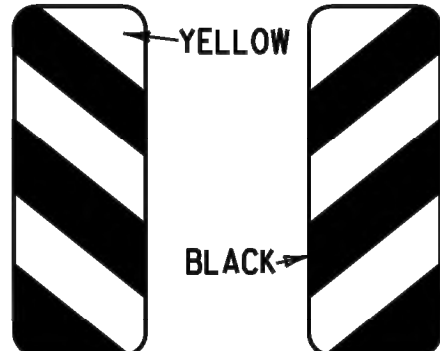
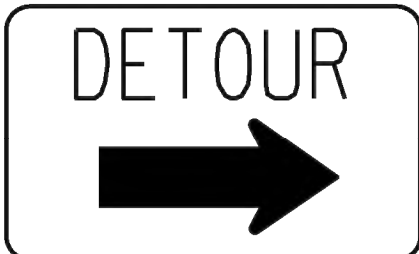
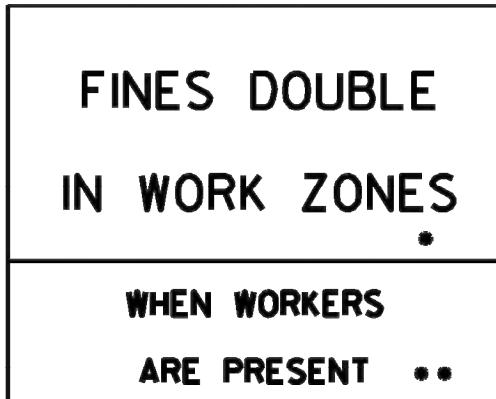
- WORK AREA (FULL CLOSURE)
- WORK AREA (LANE CLOSURE)
- WORK AREA (PARTIAL OR FULL TRAIL CLOSURE)
- WORK AREA (PARTIAL PARKING LOT CLOSURE)

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TRAFFIC CONTROL PLAN SHEET TIGER BOULEVARD & G STREET		SW 3RD STREET & SW B STREET IMPROVEMENTS		BENTONVILLE, AR	
BY		DATE		REV. NO.	
REVISIONS DESCRIPTION				2023	
15				71	

drawn by: ERM
checked by: JMP
approved by: JSS
QA/QC by: KJR
project no.: 021-04210-G
drawing no.: F TRFC_0214210
date: 03.10.2023

SHEET
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RI-1  STANDARD 30"x30" EXPRESSWAY 36"x36" SPECIAL 48"x48"	RI-2  STD. 36"x36"x36" EXPWY. 48"x48"x48" FWY. 60"x60"x60"	R2-1  STD. 24"x30" EXPWY. 36"x48" FWY. 48"x60"	W3-5  STD. 36"x36" EXPWY. 48"x48" FWY. 48"x48"	W3-5a  STD. 36"x36" EXPWY. 48"x48" FWY. 48"x48"	R4-1  STD. 24"x30" EXPWY. 36"x48" FWY. 48"x60"	R4-2  STD. 24"x30" EXPWY. 36"x48" FWY. 48"x60"	ADVANCE DISTANCES (XXXX) 500 FT 1/2 MILE 1000 FT 3/4 MILE 1500 FT 1 MILE AHEAD GENERAL NOTES: 1. ALL TRAFFIC CONTROL DEVICES USED ON ROAD CONSTRUCTION SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION, AND TO THE STANDARD HIGHWAY SIGNS, LATEST EDITION, OR AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION. 2. TRAFFIC CONTROL DEVICES SHALL BE SET UP JUST BEFORE THE START OF CONSTRUCTION OPERATIONS AND SHALL BE PROPERLY MAINTAINED DURING THE TIME SUCH CONDITIONS EXIST. THEY SHALL REMAIN IN PLACE ONLY AS LONG AS NEEDED AND REMOVED THEREAFTER. 3. EXISTING SIGNS AND CONSTRUCTION SIGNS SHALL BE KEPT IN PROPER POSITION, AND BE CLEAN AND LEGIBLE AT ALL TIMES. SIGNS THAT DO NOT APPLY TO EXISTING CONDITIONS SHALL BE REMOVED. SIGNS THAT ARE DAMAGED, DEFACED, OR THAT ACCUMULATE DIRT DURING CONSTRUCTION SHALL BE CLEANED, REPAIRED, OR REPLACED. 4. SIGNS ARE USUALLY MOUNTED ON A SINGLE POST, ALTHOUGH THOSE WIDER THAN 36" OR LARGER THAN 10 SO. FT. SHALL BE MOUNTED ON TWO POSTS OR ABOVE A TYPE III BARRICADE. 5. SIGN POSTS DIRECT BURIED IN SOIL SHALL BE 2 LB. MINIMUM CHANNEL POST OR 4"x4" WOOD POSTS. CHANNEL POSTS SHALL BE PAINTED GREEN. WOOD POSTS SHALL BE PAINTED WHITE. ALL POSTS SHALL BE NEATLY CONSTRUCTED, AND SHALL BE REPLUMBED, CLEANED, OR REPAIRED AS NEEDED FOR THE DURATION OF THE JOB. THERE SHALL NOT BE MORE THAN 2 POSTS IN A 7' PATH FOR WOOD OR CHANNEL POSTS. ANY CHANNEL POST SPLICE SHALL BE IN ACCORDANCE WITH STANDARD DRAWING TC-3. 6. POST MOUNTED SIGNS IN RURAL AREAS SHALL BE CONSTRUCTED WITH THE NEAR EDGE OF THE SIGN FROM 6 TO 12 FEET FROM THE PAVEMENT EDGE. SIGNS IN URBAN AREAS AND BARRICADE MOUNTED SIGNS SHALL BE MOUNTED A MINIMUM OF 2 FEET FROM THE PAVEMENT EDGE. 7. ALL POST AND BARRICADE MOUNTED SIGNS MOUNTED IN URBAN AREAS SHALL BE MOUNTED A MINIMUM DISTANCE OF 7' FROM THE BOTTOM OF THE SIGN TO THE ROADWAY SURFACE. ALL POST AND BARRICADE MOUNTED SIGNS MOUNTED IN RURAL AREAS SHALL BE MOUNTED A MINIMUM DISTANCE OF 7' FROM THE BOTTOM OF THE SIGN TO THE ROADWAY SURFACE, EXCEPT A MINIMUM OF 6' SHALL BE USED WHEN MOUNTING AN ADVISORY SIGN BELOW A WARNING SIGN. TEMPORARY SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS FOR INTERMEDIATE TERM STATIONARY WORK CONDITIONS. THE SIGNS MINIMUM MOUNTING HEIGHT SHALL BE 5'. RETROREFLECTIVE DEVICES SHALL BE USED. TEMPORARY SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS FOR SHORT-TERM, SHORT DURATION, AND MOBILE CONDITIONS. THEY SHALL BE NO LESS THAN ONE (1) FOOT ABOVE THE TRAVELED WAY. LONG-TERM STATIONARY SIGNS SHALL BE DIRECT BURIED IN SOIL, UNLESS CONDITIONS NECESSITATE THE USE OF PORTABLE SIGNS, OR AS APPROVED BY THE ENGINEER. CONCRETE PADS, CONCRETE OR ROCK BALLAST, OR OTHER SOLID MATERIALS SHALL NOT BE UTILIZED WITH PORTABLE SIGN SUPPORTS. 8. FLAGGERS SHALL USE REFLECTORIZED STOP-SLOW PADDLES. FLAGS MAY BE USED ONLY FOR EMERGENCY SITUATIONS. 9. MOST OF THE SIGNS SHOWN ARE ORIENTED TO THE RIGHT. HOWEVER, THIS DOES NOT PRECLUDE THE USE OF MIRROR IMAGES OF THESE SIGNS WHERE THE REVERSE ORIENTATION MIGHT BETTER CONVEY TO MOTORISTS THE PROPER DIRECTION OF MOVEMENT. 10. R55-1 SIGNS SHALL BE PLACED AT LEAST 1500' BUT NOT MORE THAN 1 MILE IN ADVANCE OF THE WORK ZONE. IF A SPEED LIMIT REDUCTION IS IN EFFECT, THE SIGN SHALL BE PLACED A MINIMUM OF 500' IN ADVANCE OF THE "REDUCED SPEED AHEAD" SIGN. • NOTE: SUPPORTS FOR SIGNS, BARRICADES, AND VERTICAL PANELS THAT ARE DIFFERENT FROM THE REQUIREMENTS SHOWN IN NOTES 4 & 5, BUT MEET THE REQUIREMENTS OF MANUAL FOR ASSESSING SAFETY HARDWARE (MASH), WILL BE ACCEPTED. COMPLIANCE WITH THE REQUIREMENTS OF MANUAL FOR ASSESSING SAFETY HARDWARE (MASH) IS REQUIRED FOR ALL PROJECTS.
R5-1  STD. 30"x30" EXPWY. 36"x36" SPECIAL 48"x48"	R11-2  48"x30"	R11-3A  60"x30"	R11-4  60"x30"	W21-5a  STD. 36"x36" FWY. 48"x48"	W1-1  STD. 36"x36" FWY. 48"x48"	W1-2  STD. 36"x36" FWY. 48"x48"	
W1-3  STD. 48"x48"	W1-4  STD. 48"x48"	W1-6  STD. 48"x24" SPECIAL 60"x30"	W1-8  STD. 18"x24" SPECIAL 24"x30" EXPWY. 30"x36" FWY. 36"x48"	W3-1  STD. 36"x36" SPECIAL 48"x48"	W3-2  STD. 36"x36" SPECIAL 48"x48"	W4-2  STD. 36"x36" FWY. 48"x48"	
W5-1  STD. 36"x36" SPECIAL 48"x48"	W6-3  EXPWY. 36"x36" SPECIAL 48"x48"	W8-7  EXPWY. 36"x36" FWY. 48"x48"	W9-2  STD. 36"x36" FWY. 48"x48"	W13-1  STD. 24"x24"	W20-1  STD. 48"x48"	W20-2  STD. 48"x48"	
W20-3  STD. 48"x48"	W20-4  STD. 48"x48"	W20-5  STD. 48"x48"	W20-7a  STD. 36"x36" FWY. 48"x48"	W21-2  STD. 30"x30" SPECIAL 36"x36"	W21-5  STD. 30"x30" SPECIAL 36"x36"	W24-1  STD. 36"x36"	
W1-4b  STD. 48"x48"	R56-1  STD. 18"x18"	W8-11  STD. 36"x36" FWY. 48"x48"	W8-9  STD. 36"x36" FWY. 48"x48"	G20-1  60"x24"	G20-2  48"x24"	OM-3L OM-3R  12"x36"	
M4-9  STD. 30"x24" SPECIAL 48"x36" SPECIAL 60"x48"	M4-10  48"x18"	R55-1  36"x60" • USE 6" C LETTERS • USE 4" D LETTERS					

11/28/2023 8	APPROVED
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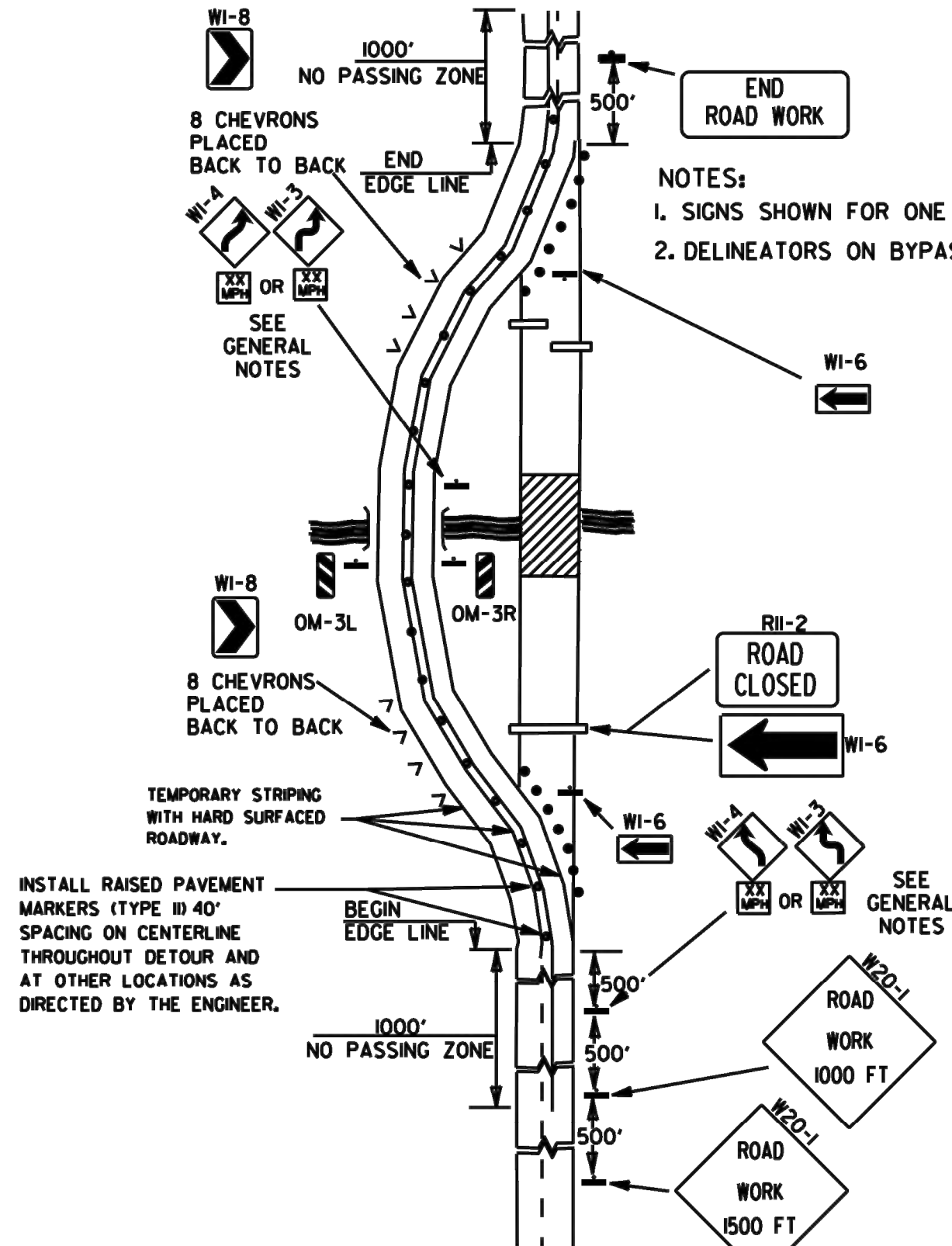
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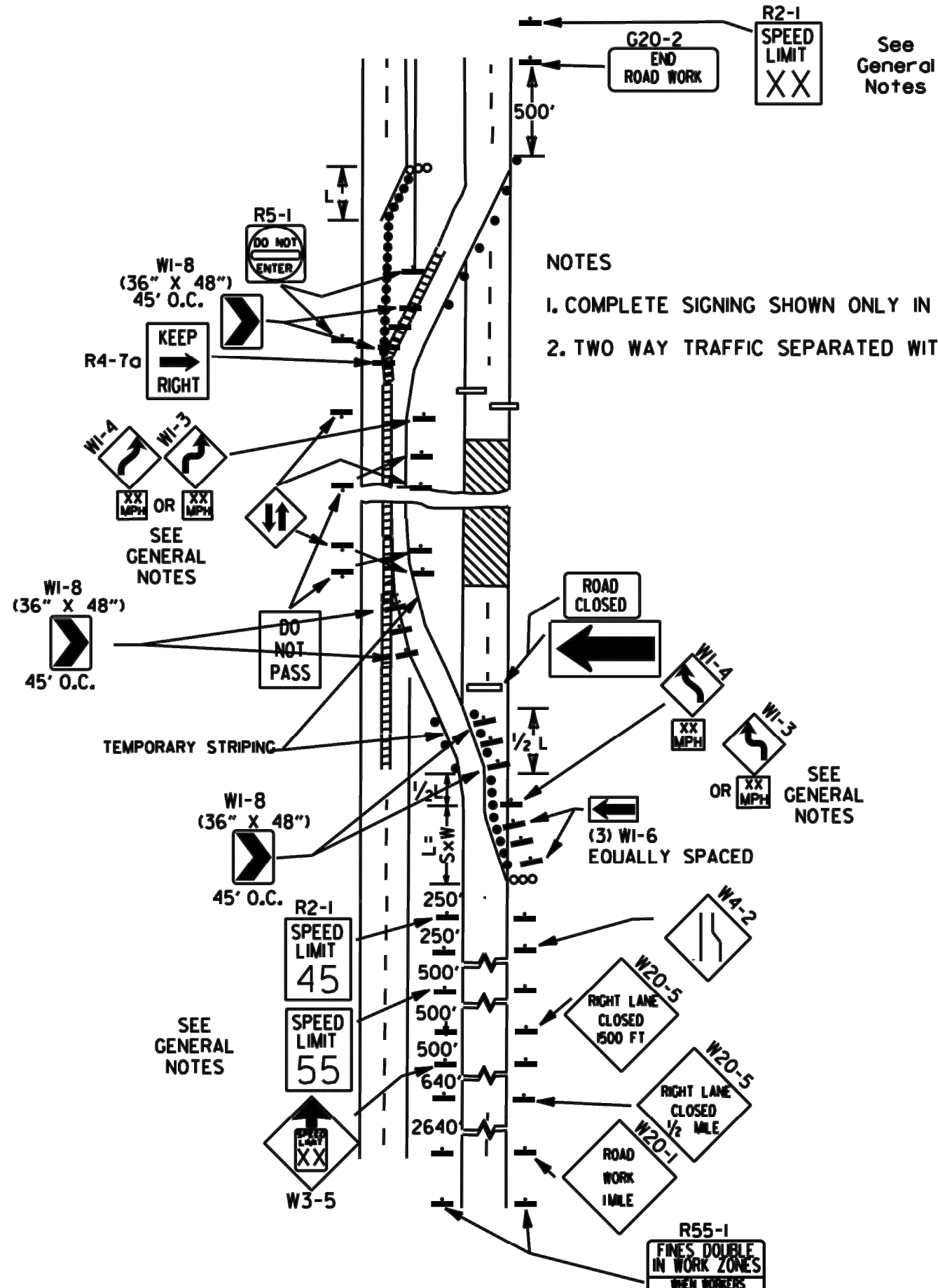


11-07-19	REVISED FOR MASH	
4-13-17	DELETED RSP-1 & ADDED W21-5a	
9-2-15	REVISED REDUCED SPEED LIMIT AHEAD SIGNS REVISED ROAD WORK NEXT XX MILES	
12-15-11	REVISED W24-1	
11-17-10	DELETED W8-9a & ADDED W8-9	
10-15-09	ADDED REFERENCE TO MASH & ADDED SIGN W24-1	
4-17-08	REVISED SIGN DESIGNATIONS	
11-18-04	REVISED NOTES	
10-9-03	REVISED NOTE 1	
11-16-01	REVISED NOTE 7	
9-28-00	REVISED NOTE	
11-18-98	ADDED NOTE	
6-26-97	REVISED NOTE 5	
4-03-97	REVISED NOTE 5	
10-18-96	ADDED CONTROLLED ACCESS HWY. SIGN & TO NOTE 7	
10-12-95	ADDED R55-1	
6-8-95	REVISED TO CORRECT SIGN ILLUSTRATIONS	6-8-95
2-2-95	REVISED PER PART VI, MUTCD SEPT. 3, 1993	
8-15-91	DRAWN AND PLACED IN USE	
DATE	REVISION	FILMED

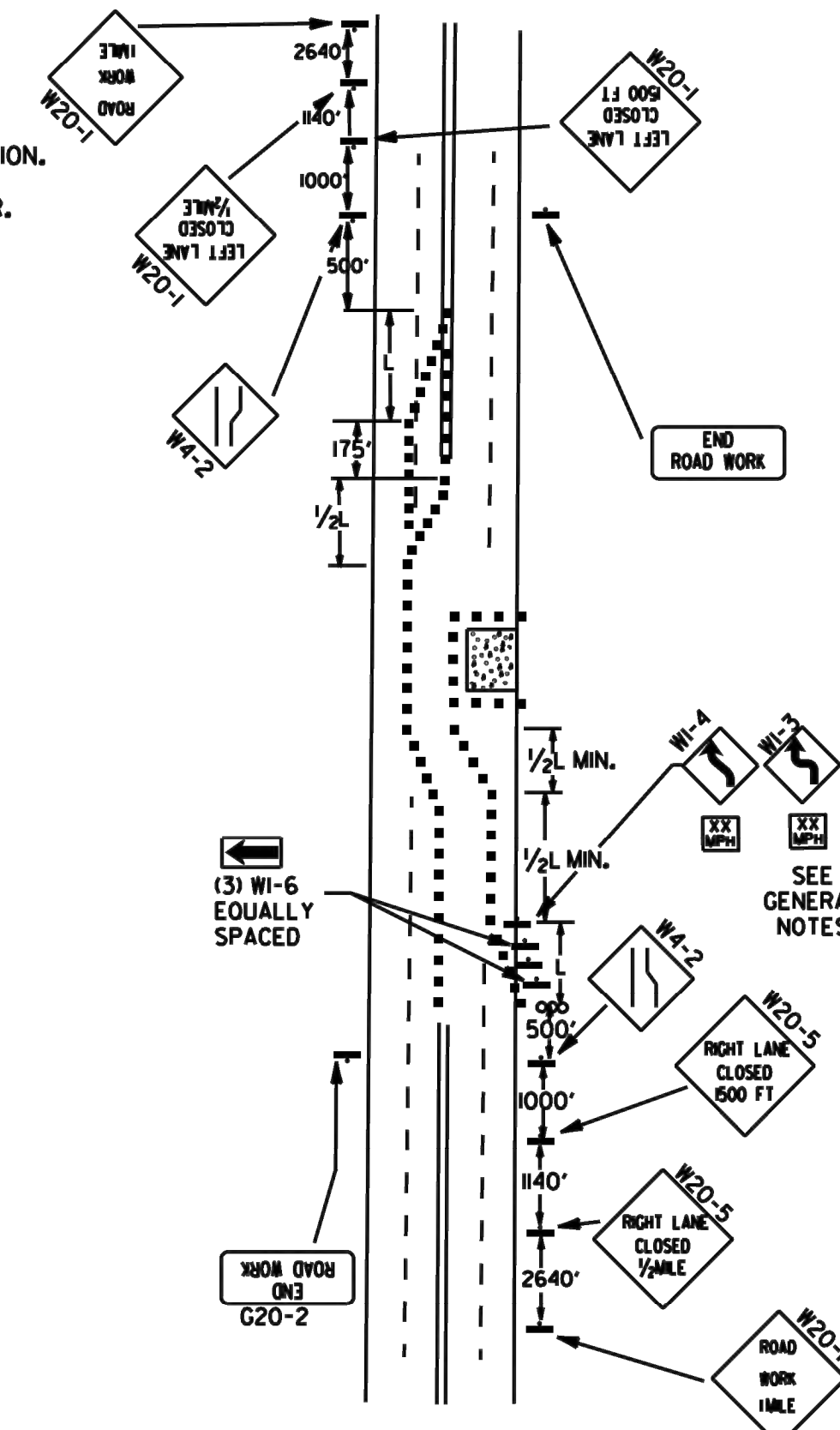
ARKANSAS STATE HIGHWAY COMMISSION
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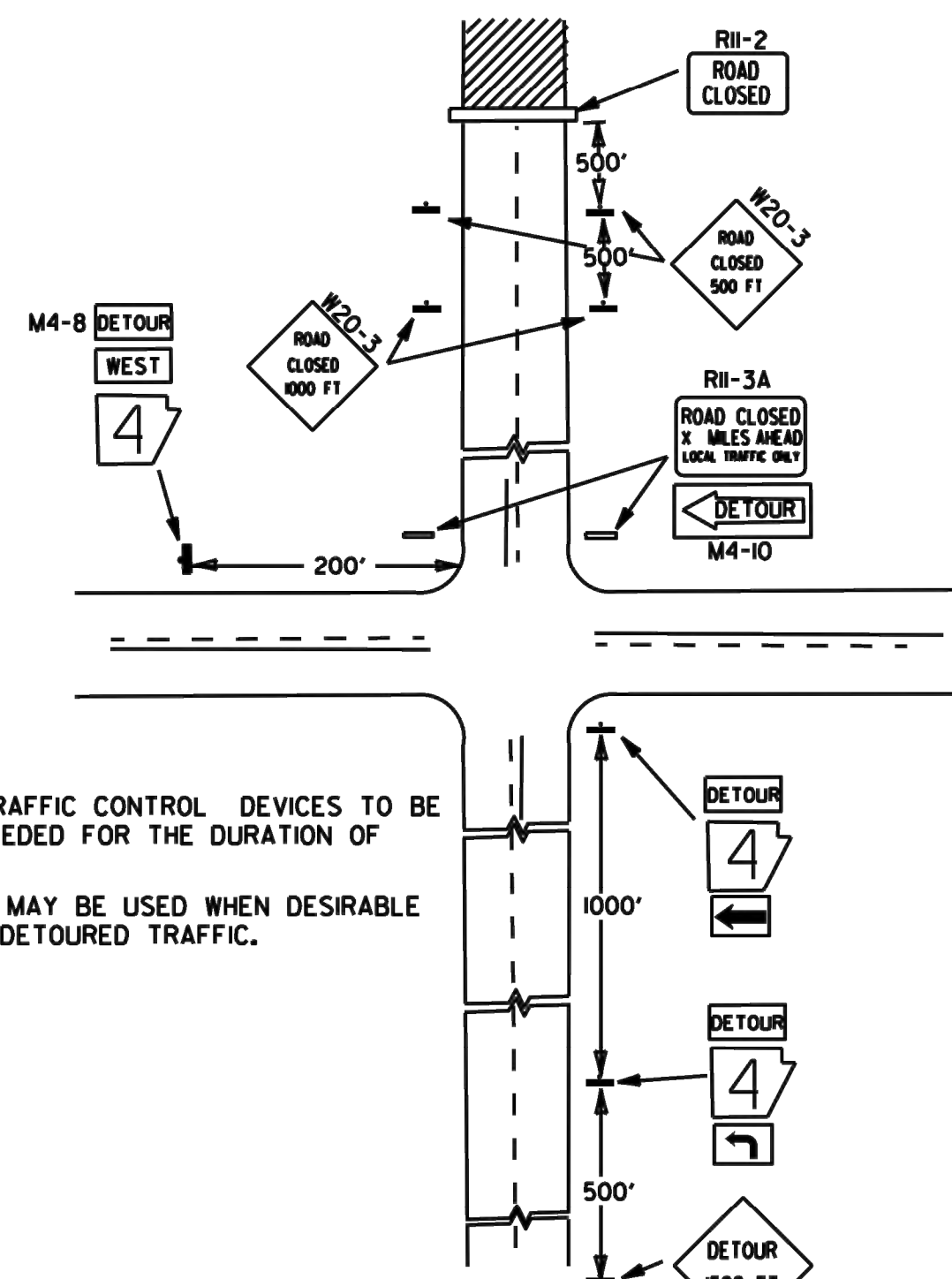
(A) TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES ON A 2-LANE HIGHWAY WHERE THE ENTIRE ROADWAY IS CLOSED AND A BYPASS DETOUR IS PROVIDED.



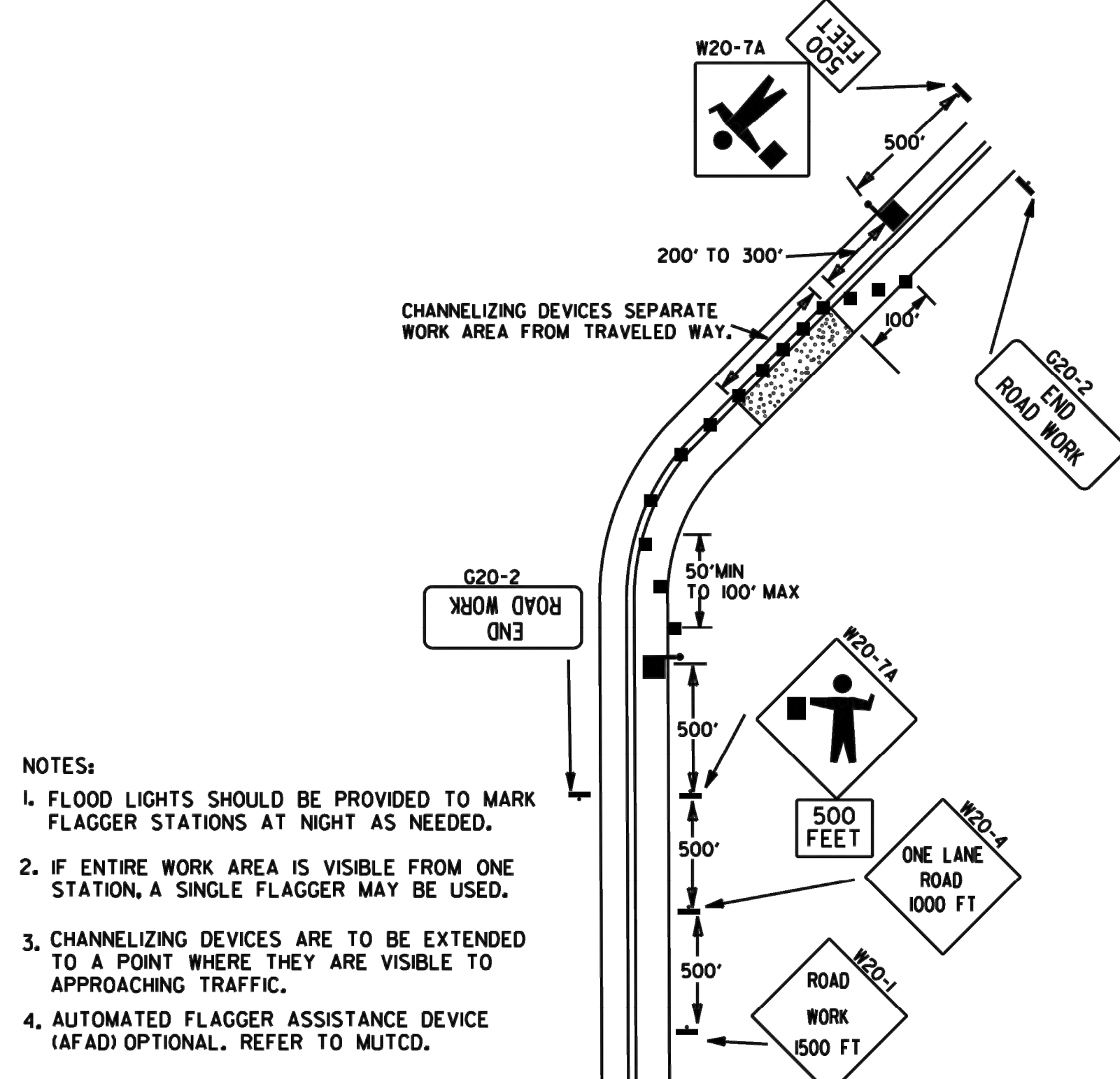
(B) TYPICAL APPLICATION - 4-LANE DIVIDED ROADWAY WHERE ONE ROADWAY IS CLOSED.



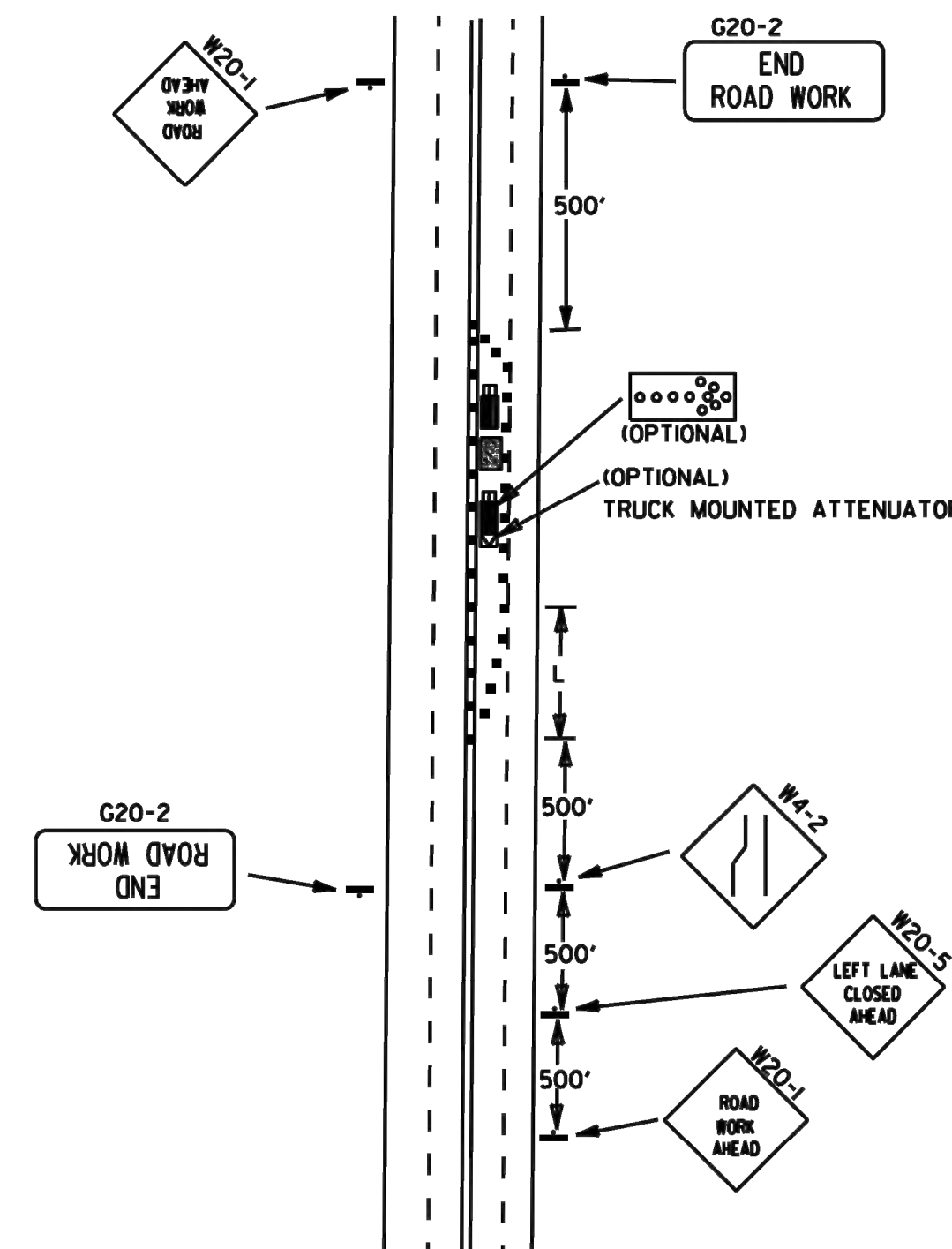
(C) TYPICAL APPLICATION - 4-LANE UNDIVIDED ROADWAY WHERE HALF OF THE ROADWAY IS CLOSED.



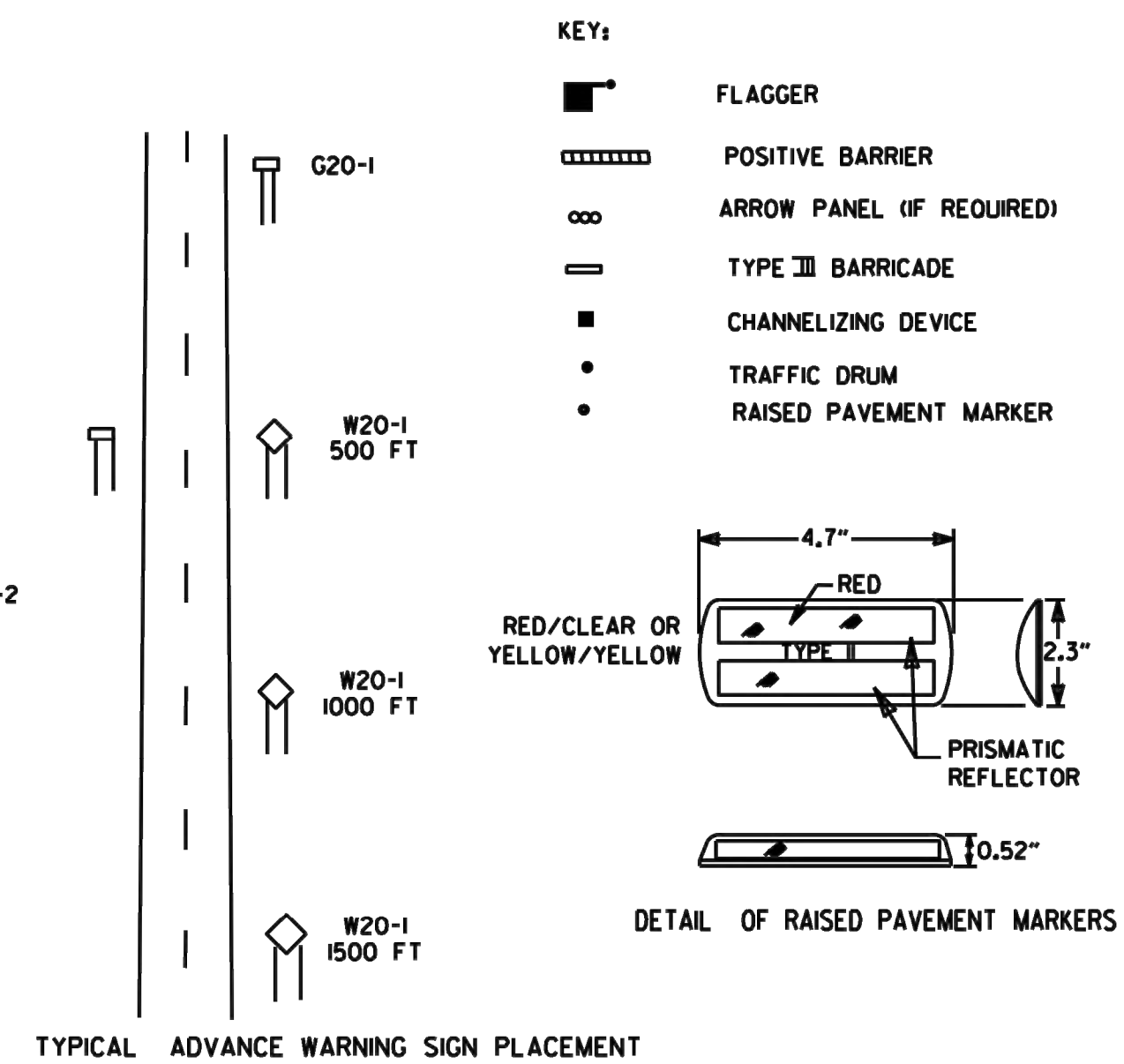
(D) TYPICAL APPLICATION - ROADWAY CLOSED BEYOND DETOUR POINT.



(E) TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES ON 2-LANE HIGHWAY WHERE ONE LANE IS CLOSED AND FLAGGING IS PROVIDED.



(F) TYPICAL APPLICATION - 4-LANE UNDIVIDED ROADWAY WITH INSIDE LANE CLOSED.



- GENERAL NOTES:
1. THE MAINTENANCE DIVISION SHALL CONDUCT A BALL BANK STUDY TO DETERMINE THE ADVISORY SPEED LIMIT PRIOR TO OPENING TO TRAFFIC. THE ADVISORY SPEED WILL BE POSTED ON W-3 OR W-4 CURVE WARNING SIGNS. USE W-4 WHEN SPEED IS GREATER THAN 30MPH AND W-3 WHEN 30MPH OR LESS.
 2. WHEN THE EXISTING SPEED LIMIT IS 55MPH AND THE PLANS REQUIRE A SPEED LIMIT OF 45MPH, THE R2-1(K5) SHALL BE OMITTED AND THE W-3-5 SHALL BE INSTALLED AT THAT LOCATION. ADDITIONAL R2-145MPH SPEED LIMIT SIGNS SHALL BE INSTALLED AT A MAXIMUM OF 1MILE INTERVALS. AT THE END OF THE WORK AREA A R2-1(KXX) SHALL BE INSTALLED TO MATCH ORIGINAL SPEED LIMIT.
 3. WHEN THE EXISTING SPEED LIMIT IS 65MPH AND THE PLANS REQUIRE A SPEED LIMIT OF 55MPH, THE R2-1(K45) SHALL BE OMITTED. ADDITIONAL R2-155MPH SPEED LIMIT SIGNS SHALL BE INSTALLED AT A MAXIMUM OF 1MILE INTERVALS. AT THE END OF THE WORK AREA A R2-1(KXX) SHALL BE INSTALLED TO MATCH ORIGINAL SPEED LIMIT.
 4. THE MAXIMUM SPACING BETWEEN CHANNELIZING DEVICES IN A TAPER SHOULD BE APPROXIMATELY EQUAL IN FEET TO THE SPEED LIMIT. BEYOND THE TAPER, MAXIMUM SPACING SHALL BE TWO TIMES THE SPEED LIMIT, OR AS DIRECTED BY THE ENGINEER.
 5. WARNING LIGHTS AND/OR FLAGS MAY BE MOUNTED TO SIGNS OR CHANNELIZING DEVICES AT NIGHT AS NEEDED.
 6. PAVEMENT MARKINGS NO LONGER APPLICABLE WHICH MIGHT CREATE CONFUSION IN THE MINDS OF VEHICLE OPERATORS SHALL BE REMOVED OR OBLITERATED AS SOON AS PRACTICABLE.
 7. TRAILER MOUNTED DEVICES SUCH AS ARROW PANELS AND PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE DELINEATED BY AFFIXING CONSPICUOUS MATERIAL IN A CONTINUOUS LINE ON THE FACE OF THE TRAILER. WHEN PLACED ON OR ADJACENT TO THE SHOULDER AND NOT BEHIND A POSITIVE BARRIER, THESE DEVICES SHALL BE DELINEATED BY PLACING FIVE (5) TRAFFIC DRUMS, EQUALLY SPACED ALONG THE TRAFFIC SIDE OF THE DEVICE. PAYMENT FOR TRAFFIC DRUMS SHALL BE CONSIDERED INCLUDED IN THE PRICE BID FOR VARIOUS TRAILER MOUNTED DEVICES.
 8. DIMENSIONS SHOWN FOR RAISED PAVEMENT MARKERS ARE TYPICAL. THE CONTRACTOR MAY SUBSTITUTE SIMILAR MARKERS WITH THE APPROVAL OF THE ENGINEER. REQUESTING APPROVAL FOR SIMILAR MARKERS MAY BE MADE BY REFERRING TO THE ARDOT QUALIFIED PRODUCTS LIST.
 9. ALL TRAILER MOUNTED DEVICES SUCH AS ARROW PANELS AND PORTABLE CHANGEABLE MESSAGE SIGNS SHALL MEET THE REQUIREMENTS OF THE MANUAL FOR ASSESSING SAFETY HARDWARE (MASH).

DATE	REVISION	FILMED
05-20-21	REVISED NOTE 7	
11-07-19	REVISED NOTE 1, ADDED NOTE 9	
9-2-15	REVISED NOTE 2, ADDED NOTE 8, REVISED DRAWING (A) & REPLACED R2-5A WITH W3-5	
9-12-13	REVISED DETAIL OF RAISED PAVEMENT MARKERS	
3-11-10	ADDED (AFAD)	
11-20-08	REVISED SIGN DESIGNATIONS	
11-18-04	ADDED GENERAL NOTE	
10-18-96	ADDED R55-1	
4-26-96	CORRECTED (a) BEHIND G20-2	
6-8-95	CORRECTED SIGN IDENT. ON W1-4A	6-8-95
2-2-95	REVISED PER PART VI, MUTCD, SEPT. 3, 1993	
8-15-91	DRAWN AND PLACED IN USE	

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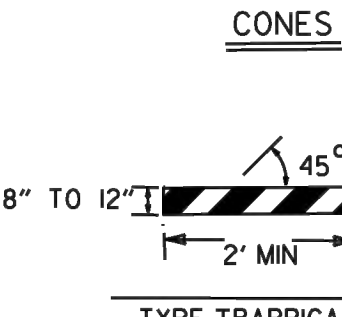
(C) TYPICAL APPLICATION - CONSTRUCTION OPERATIONS OF INTERMEDIATE TO LONG TERM DURATION ON A 4-LANE DIVIDED ROADWAY WHERE HALF OF THE ROADWAY IS CLOSED.

(A) TYPICAL APPLICATION - DAYTIME MAINTENANCE OPERATIONS OF SHORT DURATION ON A 4-LANE DIVIDED ROADWAY WHERE HALF OF THE ROADWAY IS CLOSED.

(B) TYPICAL APPLICATION - 3-LANE ONEWAY ROADWAY WHERE CENTER LANE IS CLOSED.

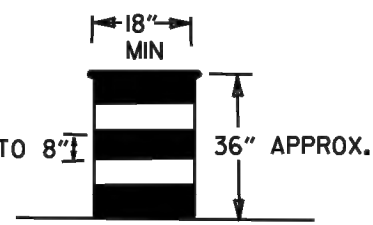
CHANNELIZING DEVICES

* WHEN CONES ARE USED ON FREEWAYS AND MULTI-LANE HIGHWAYS, THEY SHALL BE 28" MIN. DURING HOURS OF DARKNESS, 28" CONES SHALL BE USED ON ALL ROADWAYS, AND SHALL BE REFLECTORIZED IN ACCORDANCE WITH THE M.U.T.C.D.



CONES

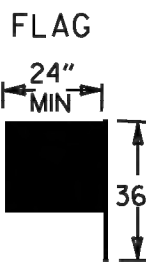
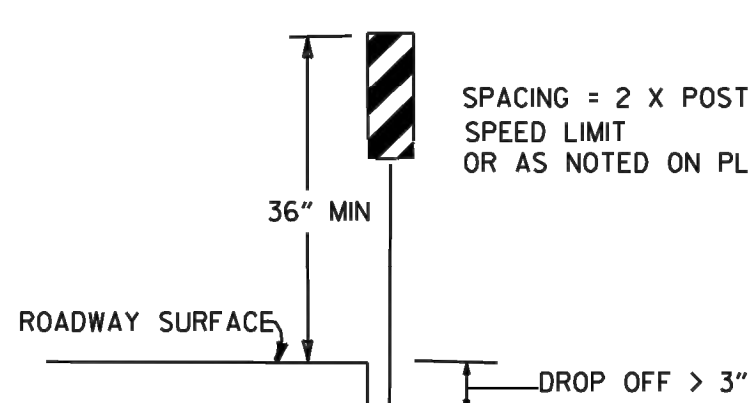
PLASTIC DRUM



NOTE:

FOR ALL ROAD CLOSURES, THE TYPE III BARRICADES SHALL BE OF SUFFICIENT LENGTH TO EXTEND ACROSS ENTIRE ROADWAY.

VERTICAL PANEL PLACEMENT



FLAG SHALL BE OF GOOD GRADE RED MATERIAL

KEY:

∞ ARROW PANEL (IF REQUIRED)

■ CHANNELIZING DEVICE

● TRAFFIC DRUM

GENERAL NOTES:

1. A SPEED LIMIT REDUCTION MAY BE IMPLEMENTED ONLY WHEN DESIGNATED IN THE PLAN OR WHEN RECOMMENDED BY THE ROADWAY DESIGN DIVISION.
2. WHEN THE EXISTING SPEED LIMIT IS 55MPH AND THE PLANS REQUIRE A SPEED LIMIT OF 45MPH, THE R2-1(45) SHALL BE OMITTED AND THE W3-5 SHALL BE INSTALLED AT THAT LOCATION. ADDITIONAL R2-1(45)MPH SPEED LIMIT SIGNS SHALL BE INSTALLED AT A MAXIMUM OF 1/2 MILE INTERVALS. AT THE END OF THE WORK AREA A R2-1(XX) SHALL BE INSTALLED TO MATCH ORIGINAL SPEED LIMIT.
3. WHEN THE EXISTING SPEED LIMIT IS 65MPH AND THE PLANS REQUIRE A SPEED LIMIT OF 55MPH, THE R2-1(45) SHALL BE OMITTED. ADDITIONAL R2-1(55)MPH SPEED LIMIT SIGNS SHALL BE INSTALLED AT A MAXIMUM OF 1/2 MILE INTERVALS. AT THE END OF THE WORK AREA A R2-1(XX) SHALL BE INSTALLED TO MATCH ORIGINAL SPEED LIMIT.
4. THE MAXIMUM SPACING BETWEEN CHANNELIZING DEVICES IN A TAPER SHOULD BE APPROXIMATELY EQUAL IN FEET TO THE SPEED LIMIT. BEYOND THE TAPER, MAXIMUM SPACING SHALL BE TWO TIMES THE SPEED LIMIT OR AS DIRECTED BY THE ENGINEER.
5. WARNING LIGHTS AND/OR FLAGS MAY BE MOUNTED TO SIGNS OR CHANNELIZING DEVICES AT NIGHT AS NEEDED.
6. PAVEMENT MARKINGS NO LONGER APPLICABLE WHICH MIGHT CREATE CONFUSION IN THE MINDS OF VEHICLE OPERATORS SHALL BE REMOVED OR OBLITERATED AS SOON AS PRACTICABLE.
7. THE G20-1 SIGN WILL BE REQUIRED ON JOBS OF OVER TWO MILES IN LENGTH, WHEN THE LANE CLOSURE IS NOT AT THE BEGINNING OF THE PROJECT, THE G20-1 SIGN SHALL BE ERECTED 125' IN ADVANCE OF THE JOB LIMIT. ADDITIONAL W20-1(1/2 MILE) SIGNS ARE NOT REQUIRED IN ADVANCE OF LANE CLOSURES THAT BEGIN INSIDE THE PROJECT LIMITS.
8. FLAGGERS SHALL USE STOP/SLOW PADDLES FOR CONTROLLING TRAFFIC THROUGH WORK ZONES. FLAGS MAY BE USED ONLY FOR EMERGENCY SITUATIONS.
9. ALL PLASTIC DRUMS AND CONES SHALL MEET THE REQUIREMENTS OF MANUAL FOR ASSESSING SAFETY HARDWARE (MASH).
10. TRAILER MOUNTED DEVICES SUCH AS ARROW PANELS AND PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE DELINEATED BY AFFIXING CONSPICUITY MATERIAL IN A CONTINUOUS LINE ON THE FACE OF THE TRAILER, WHEN PLACED ON OR ADJACENT TO THE SHOULDER AND NOT BEHIND A POSITIVE BARRIER, THESE DEVICES SHALL BE DELINEATED BY PLACING FIVE (5) TRAFFIC DRUMS, EQUALLY SPACED ALONG THE TRAFFIC SIDE OF THE DEVICE. PAYMENT FOR TRAFFIC DRUMS SHALL BE CONSIDERED INCLUDED IN THE PRICE BID FOR VARIOUS TRAILER MOUNTED DEVICES.
11. ALL TRAILER MOUNTED DEVICES SUCH AS ARROW PANELS AND PORTABLE CHANGEABLE MESSAGE SIGNS SHALL MEET THE REQUIREMENTS OF THE MANUAL FOR ASSESSING SAFETY HARDWARE (MASH).

(D) TYPICAL APPLICATION - CLOSING MULTIPLE LANES OF A MULTILANE HIGHWAY.

TRAFFIC CONTROL DEVICES

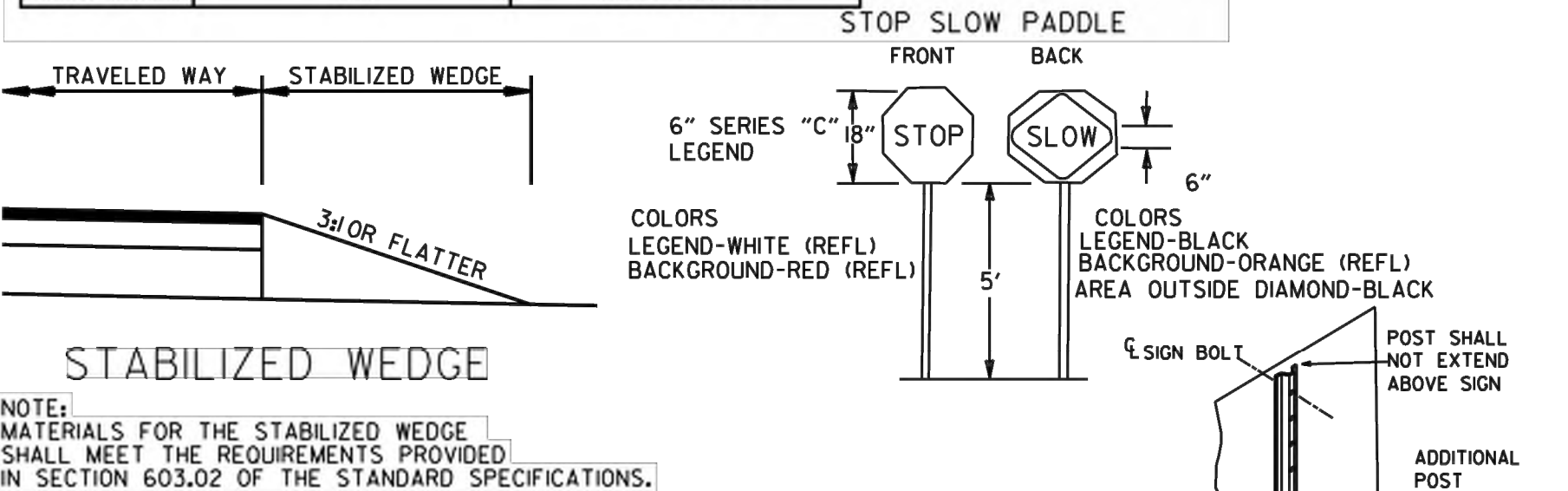
NON-INTERSTATE			
VERTICAL DIFFERENTIAL	LOCATION	TRAFFIC CONTROL	
		≤ 45 MPH	> 45 MPH
≤ 1"	CENTERLINE	W8-11	W8-11
> 1"	CENTERLINE	W8-11 AND CENTERLINE LANE STRIPING	W8-11 AND CENTERLINE LANE STRIPING
≤ 3"	CENTERLINE	STANDARD LANE CLOSURE ⁽¹⁾	STANDARD LANE CLOSURE ⁽¹⁾
> 3"	CENTERLINE	STANDARD LANE CLOSURE ⁽¹⁾	STANDARD LANE CLOSURE ⁽¹⁾
≤ 3"	EDGE OF TRAVELED LANE OR EDGE OF SHOULDER	W8-9 AND TRAFFIC DRUMS ⁽¹⁾	W8-9 AND TRAFFIC DRUMS ⁽¹⁾
> 3"	EDGE OF TRAVELED LANE OR EDGE OF SHOULDER	W8-17, EDGE LINE STRIPING, AND TRAFFIC DRUMS ⁽¹⁾	W8-17, EDGE LINE STRIPING, AND TRAFFIC DRUMS ⁽¹⁾
> 6"	EDGE OF TRAVELED LANE OR EDGE OF SHOULDER	W8-17, EDGE LINE STRIPING, AND TRAFFIC DRUMS ⁽¹⁾	W8-17, EDGE LINE STRIPING, AND TRAFFIC DRUMS ⁽¹⁾
> 18"	EDGE OF TRAVELED LANE OR EDGE OF SHOULDER	W8-17, EDGE LINE STRIPING, AND TRAFFIC DRUMS ⁽¹⁾	W8-17, EDGE LINE STRIPING, AND TRAFFIC DRUMS ⁽¹⁾
> 24"	EDGE OF TRAVELED LANE OR EDGE OF SHOULDER	W8-17, EDGE LINE STRIPING, AND TRAFFIC DRUMS ⁽¹⁾	W8-17, EDGE LINE STRIPING, AND TRAFFIC DRUMS ⁽¹⁾
> 24"	EDGE OF TRAVELED LANE OR EDGE OF SHOULDER	PRECAST CONCRETE BARRIER ⁽¹⁾ & EDGE LINES	PRECAST CONCRETE BARRIER ⁽¹⁾ & EDGE LINES

INTERSTATE		
VERTICAL DIFFERENTIAL	LOCATION	TRAFFIC CONTROL
≤ 3"	CENTERLINE	W8-11 AND LANE STRIPING
≤ 3"	EDGE OF TRAVELED LANE OR EDGE OF SHOULDER	W8-9, EDGE LINE STRIPING, AND TRAFFIC DRUMS ⁽²⁾
> 3"	EDGE OF TRAVELED LANE OR EDGE OF SHOULDER	W8-17, EDGE LINE STRIPING, AND TRAFFIC DRUMS ⁽²⁾
> 6"	EDGE OF TRAVELED LANE OR EDGE OF SHOULDER	PRECAST CONCRETE BARRIER & EDGE LINES

INTERSTATE AND NON-INTERSTATE		
FORESLOPE	HEIGHT	TRAFFIC CONTROL
1:1	> 2 FT	PRECAST CONCRETE BARRIER
2:1	≤ 5 FT	TRAFFIC DRUMS
2:1	> 5 FT	PRECAST CONCRETE BARRIER
Flatter than 2:1	N/A	TRAFFIC DRUMS

GENERAL NOTES:

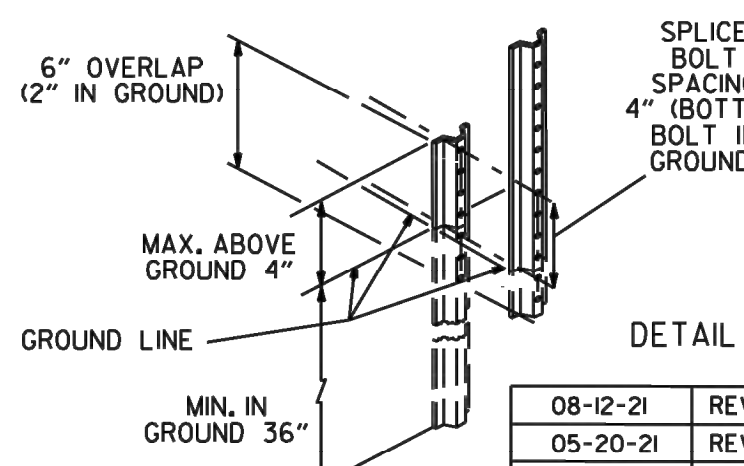
1. WHEN THE SHOULDER AREA IS USED AS PART OF THE TRAVELED LANE AND THERE IS INSUFFICIENT WIDTH TO PLACE TRAFFIC DRUMS ON THE REMAINING SHOULDER WIDTH, THEN VERTICAL PANELS SHALL BE USED.
2. WHEN THERE IS INSUFFICIENT WIDTH TO PLACE TRAFFIC DRUMS ON THE REMAINING SHOULDER WIDTH, A STABILIZED WEDGE SHALL BE USED.
3. PRECAST CONCRETE BARRIER WALL CAN BE USED IN LIEU OF A STABILIZED WEDGE, W8-17 SIGN, EDGE LINE STRIPING, AND TRAFFIC DRUMS, IF AND WHERE DIRECTED BY THE ENGINEER.
4. A STABILIZED WEDGE, W8-17 SIGN, EDGE LINE STRIPING, AND TRAFFIC DRUMS CAN BE USED IN LIEU OF PRECAST CONCRETE BARRIER WALL, IF AND WHERE DIRECTED BY THE ENGINEER.
5. W21-5, W21-5a, AND/OR W21-5b SIGNS SHALL BE USED WHERE THE ROADWAY IS UNOBSTRUCTED IF AND WHERE DIRECTED BY THE ENGINEER.
6. TIME LIMITATIONS MUST CONFORM TO SECTION 603 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (CURRENT EDITION).



NOTES: USE SPLICES ONLY WHEN NECESSARY FOR INSTALLATION. TYPICAL INSTALLATION SHOULD HAVE NO SPLICES (SEE STD. DRAWING NO. SHS-2)

NORMAL INSTALLATIONS WILL REQUIRE 1/4" DIA. BOLTS TO MOUNT SIGNS TO POST AND 5/16" DIA. BOLTS TO ASSEMBLE THE VARIOUS POST SUPPORTS. EACH OF THESE BOLTS SHALL BE CARRIAGE BOLTS.

SIGN POSTS SHALL BE PAINTED GREEN; SIGNS SHALL NOT BE PAINTED, AND ALL SIGN POSTS SHALL BE PLUMB.



DETAIL OF SPLICES

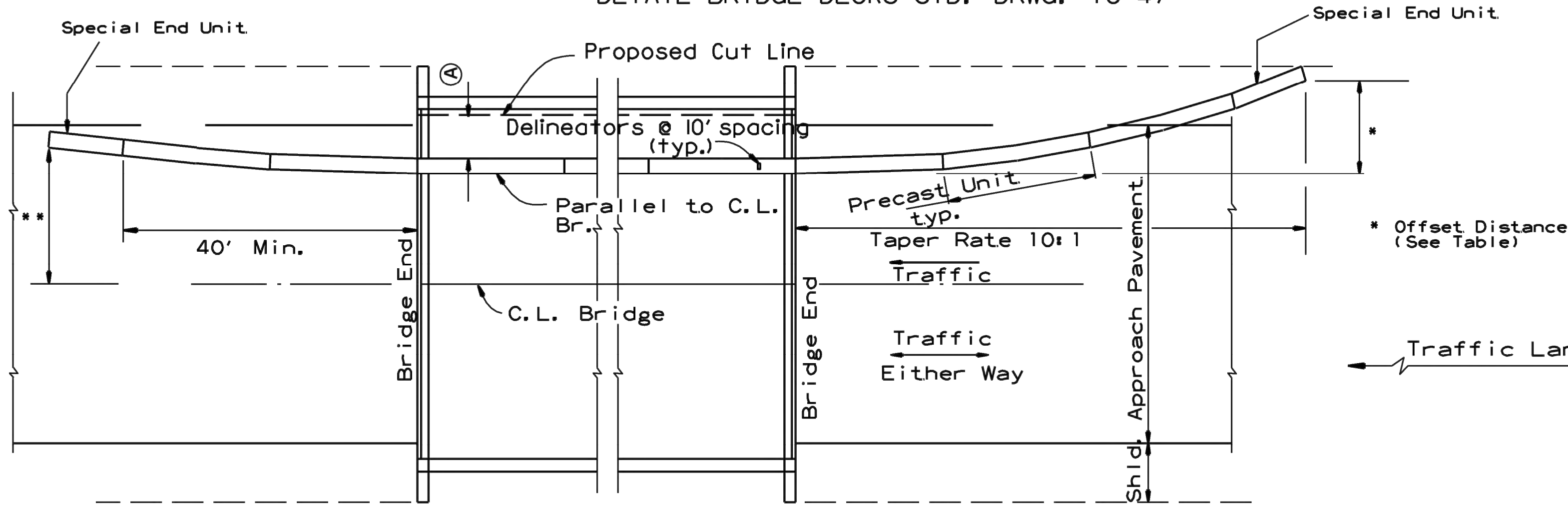
DATE	REVISION	FILMED
08-12-21	REVISED TRAFFIC CONTROL DEVICES AND NOTES	
05-20-21	REVISED NOTE 10	
2-27-20	REVISED TRAFFIC CONTROL DEVICES DETAILS	
11-07-19	REVISED NOTE 9, ADDED NOTE 11	
7-25-19	REVISED TRAFFIC CONTROL DEVICES DETAILS	
9-2-15	REVISED NOTE 2 & REPLACED R2-5A WITH W3-5	
10-15-09	ADDED REFERENCE TO MASH	
11-20-08	REVISED SIGN DESIGNATIONS	
11-18-04	ADDED NOTE	
10-1-98	ADDED NOTE	
4-03-97	ADDED (SP) TO W6-1 & REVISED TRAFFIC CONTROL DEVICES NOTE	
10-18-96	ADDED R55-1	
10-12-95	MOVED UPPER SPLICE	
6-8-95	REVISED SPLICE DETAIL, TEXT	6-8-95
2-2-95	REVISED PER PART VI, MUTCD, SEPT. 3, 1993	
8-15-91	DRAWN AND PLACED IN USE	

ARKANSAS STATE HIGHWAY COMMISSION
STANDARD TRAFFIC CONTROLS
FOR HIGHWAY CONSTRUCTION

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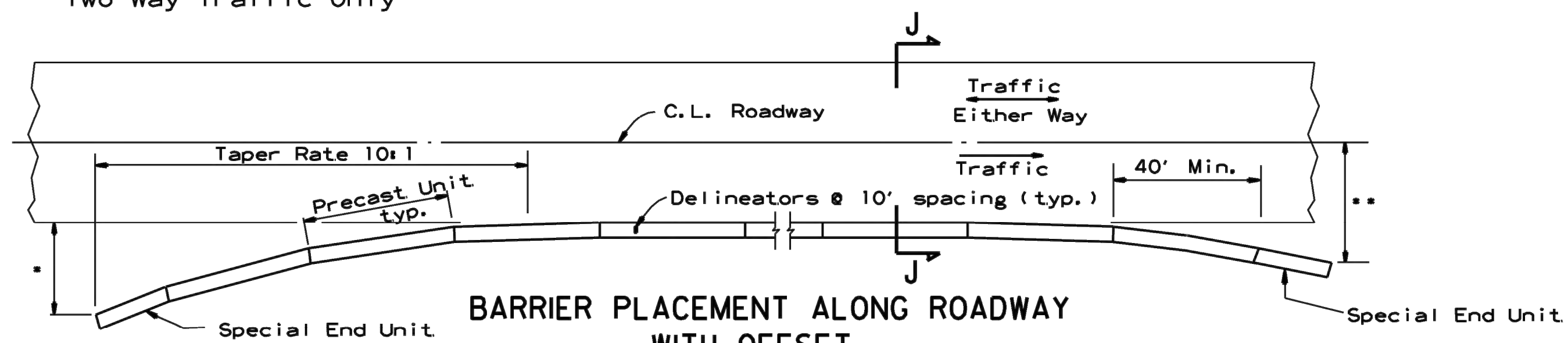
(A) 4 feet or greater preferred. If less than 4 feet, Precast Units shall be connected to slab (SEE BARRIER STABILIZATION DETAIL-BRIDGE DECKS STD. DRWG. TC-4)



BARRIER PLACEMENT ALONG BRIDGE WITH OFFSET

No Scale

** Offset Distance for Two Way Traffic Only



BARRIER PLACEMENT ALONG ROADWAY WITH OFFSET

No Scale

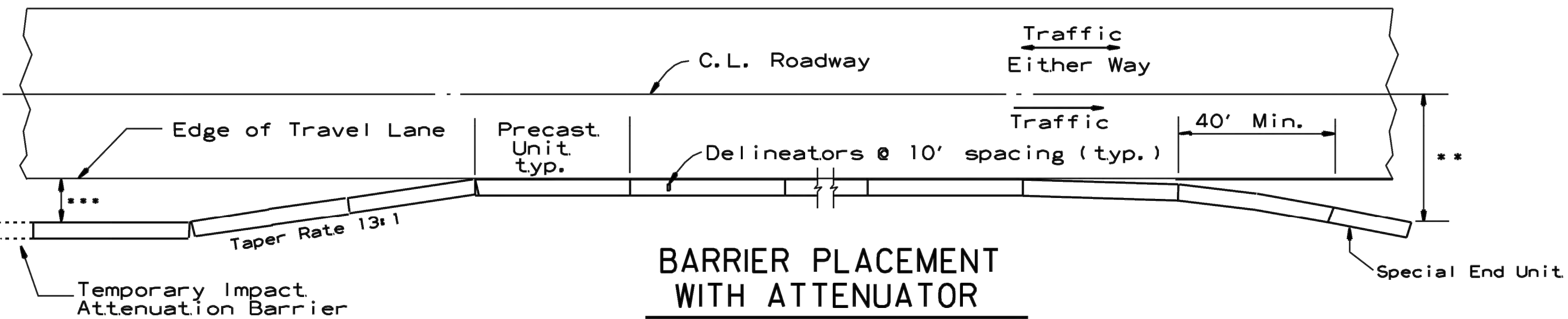
* Offset Distance (See Table)

** Offset Distance For Two Way Traffic Only

Offset Distance Table

Speed (MPH)	Offset Distance (FT.)
≤ 45	12
> 45	18

If offset distance is not attainable, then see "Barrier Placement With Attenuator" Detail shown below.

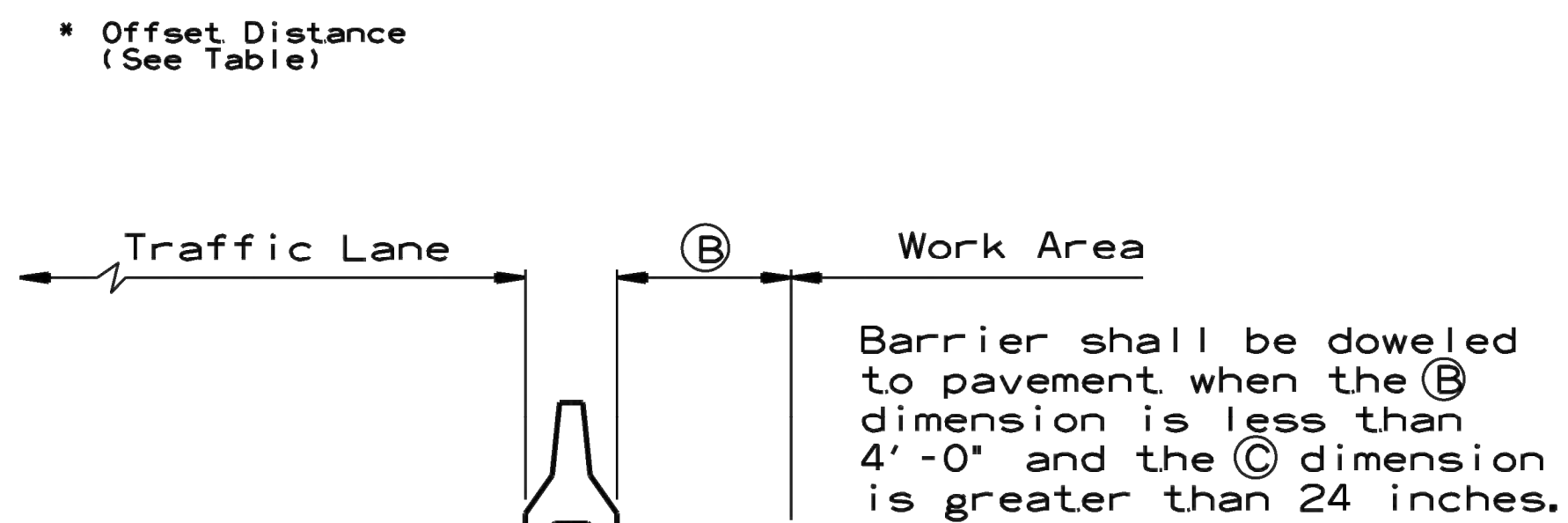


BARRIER PLACEMENT WITH ATTENUATOR

No Scale

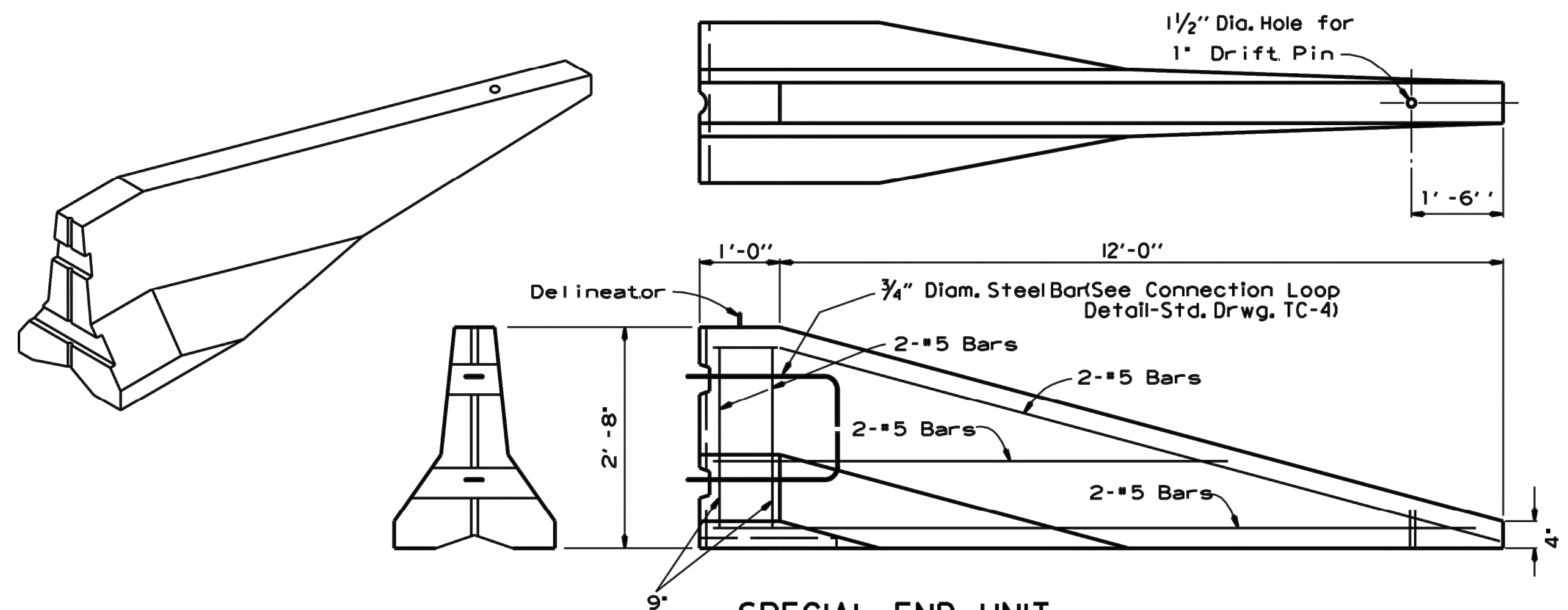
** Offset Distance For Two Way Traffic Only

***Min. 3'-0" From Edge of Travel Lane to Nearest Edge of Attenuator



SECTION J-J

No Scale



SPECIAL END UNIT

No Scale

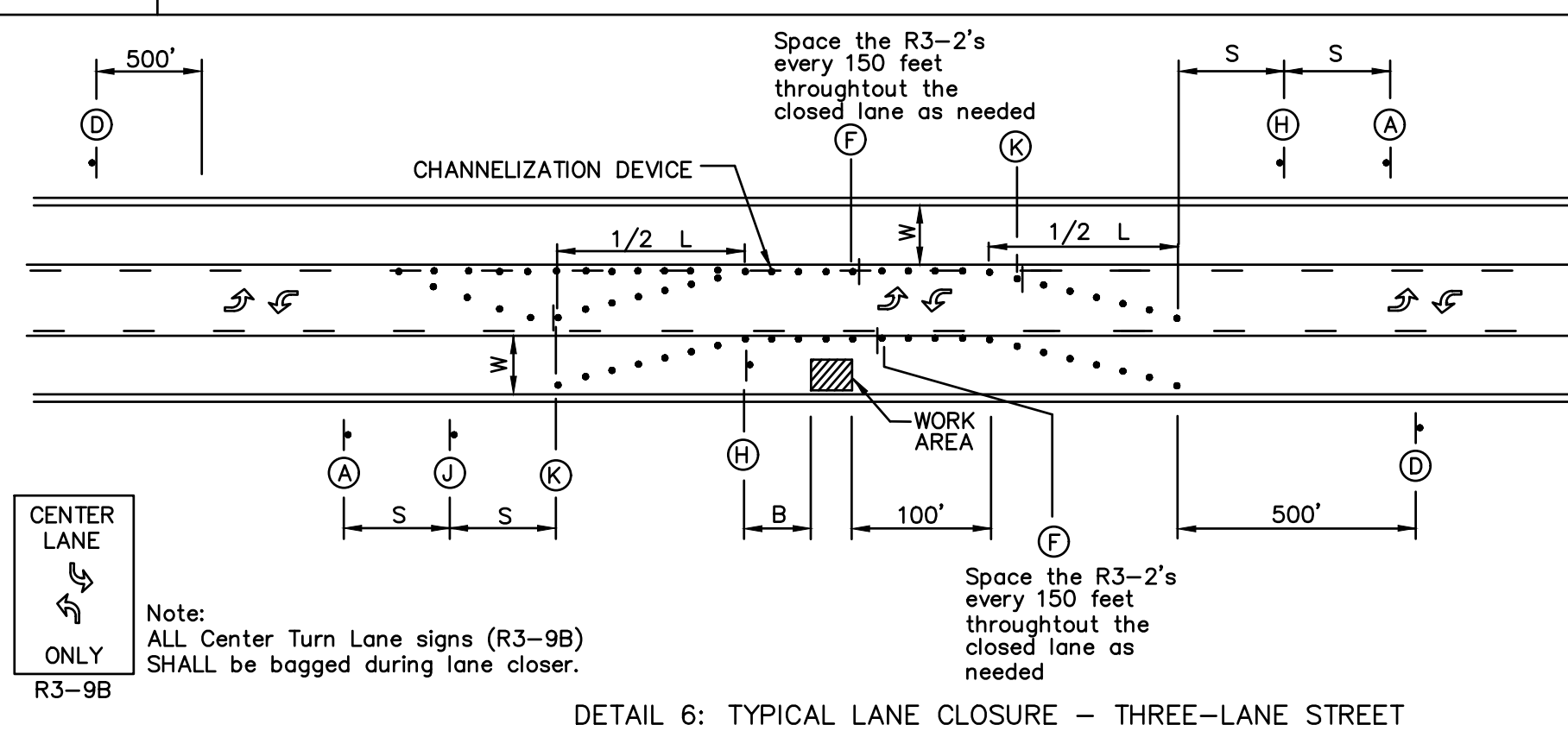
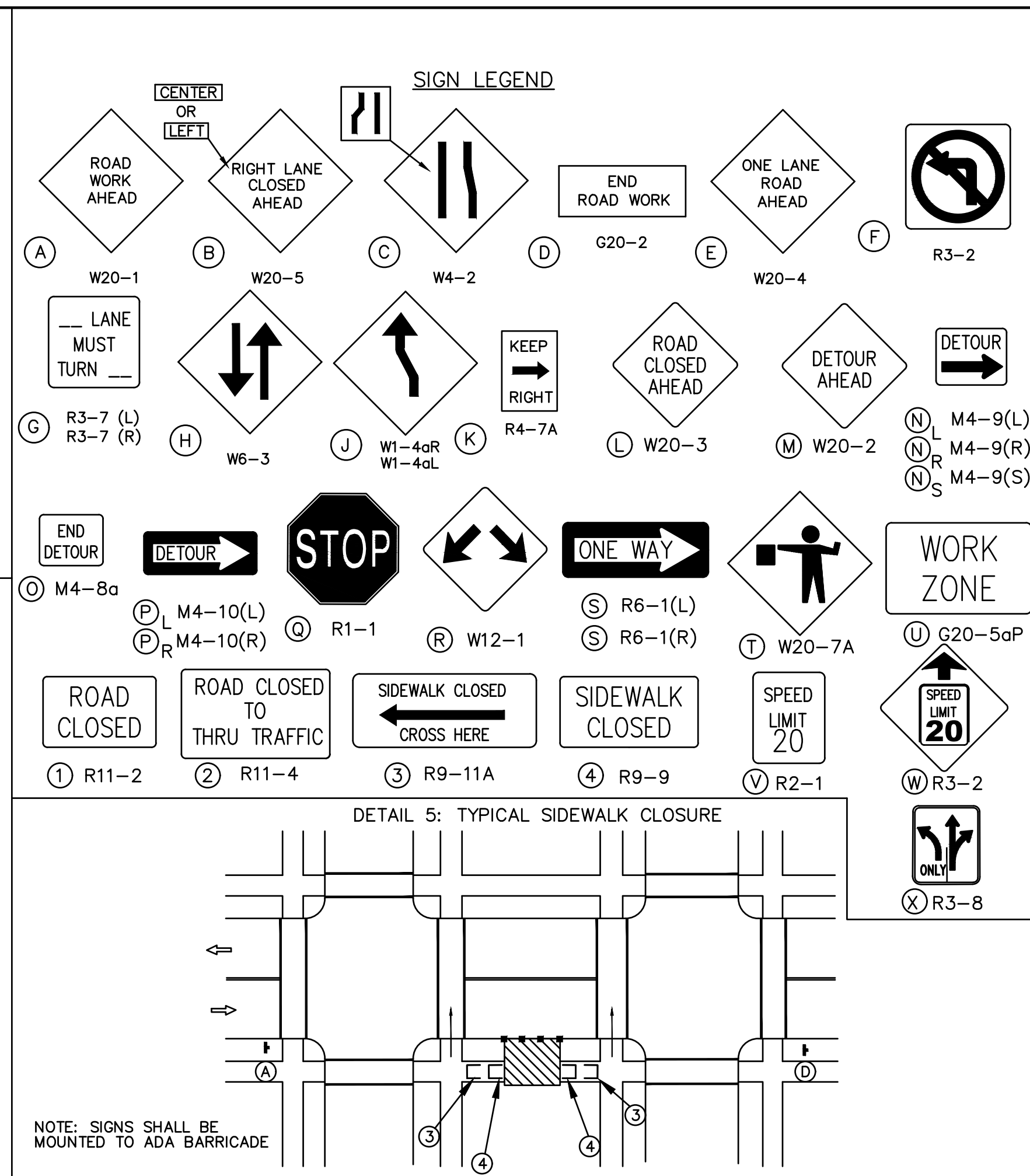
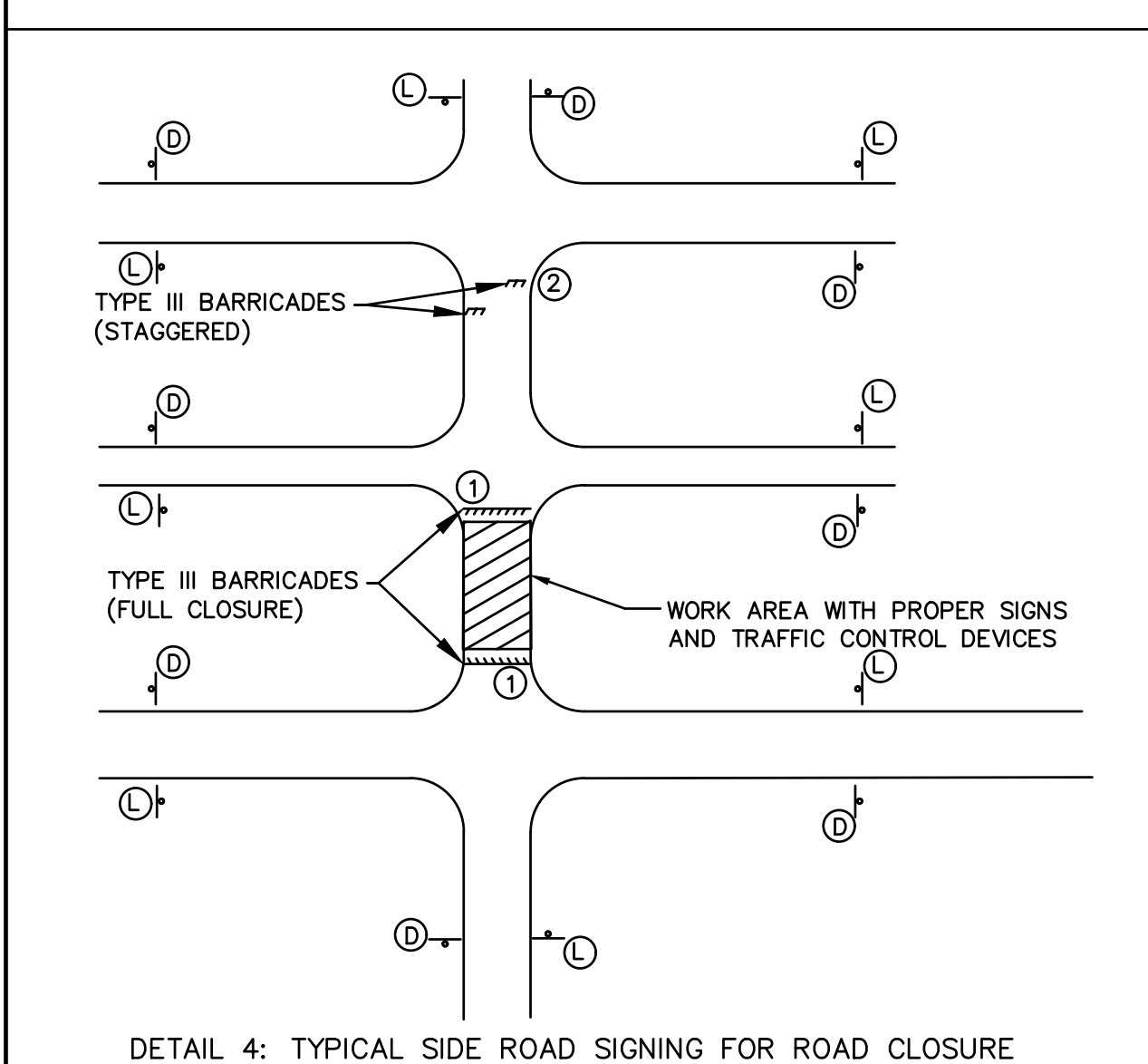
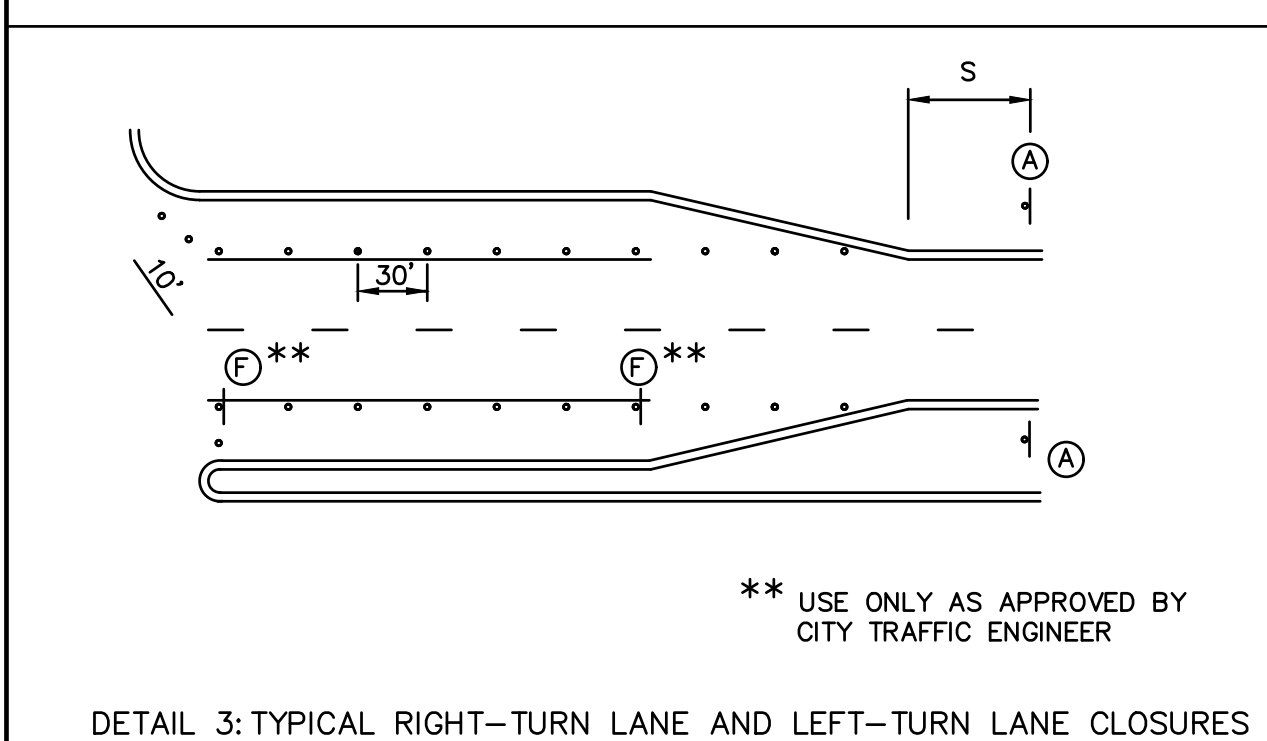
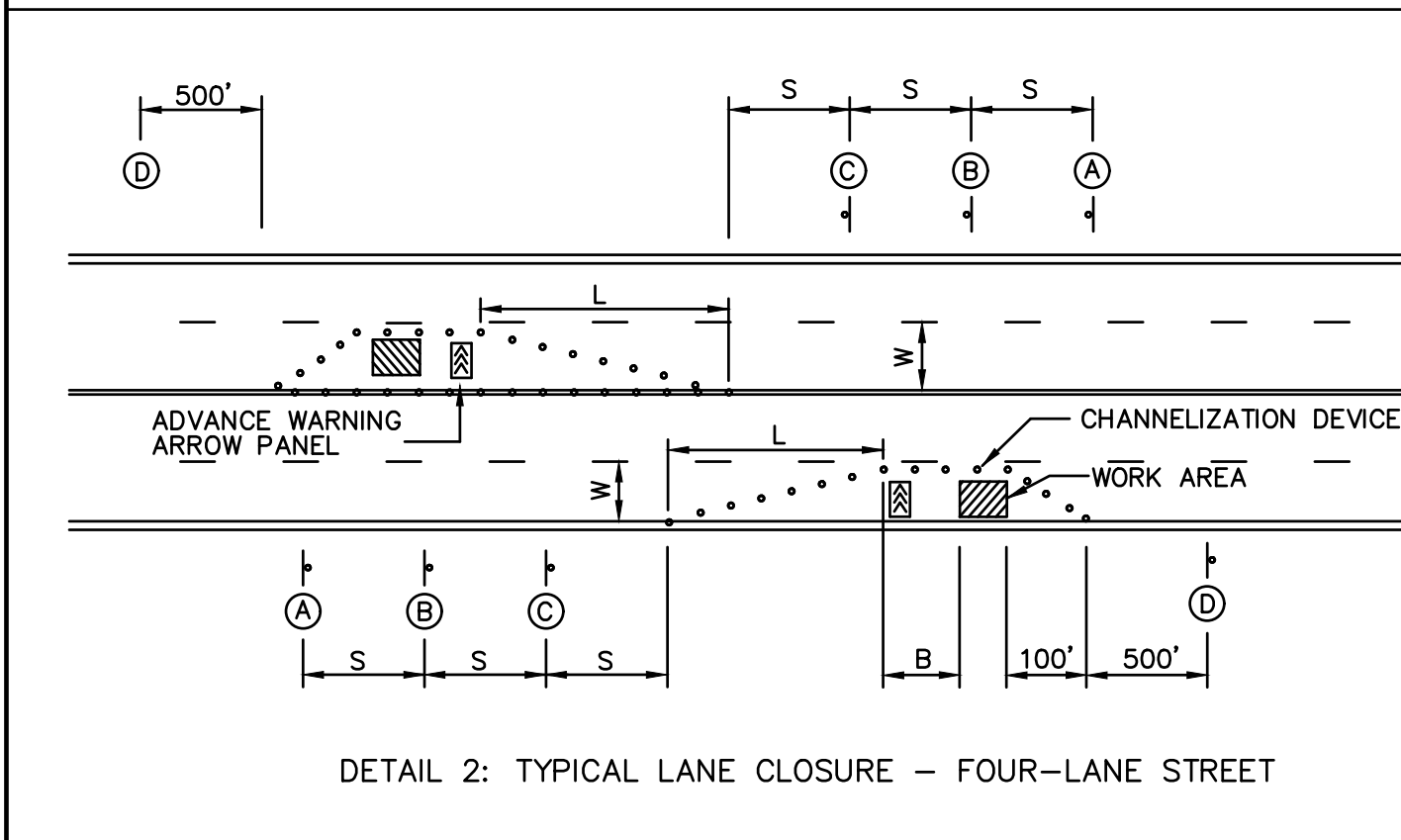
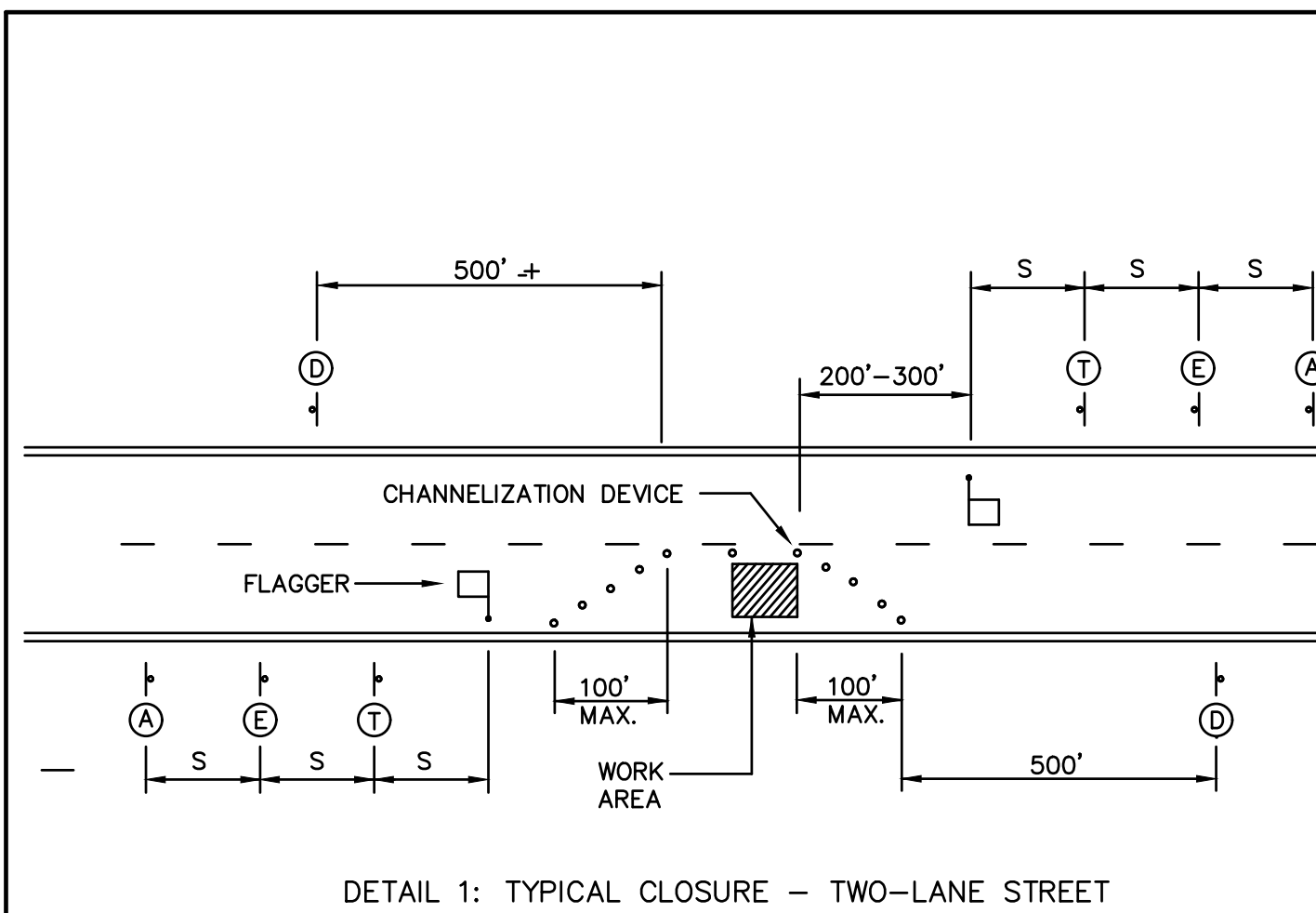
General Notes

When shown on the Plans, the ends of the Temporary Precast Concrete Barrier shall be protected with a Manual For Assessing Safety Hardware (MASH) approved Crash Cushion. Payment for Crash Cushions shall be made under the item of "Temporary Impact Attenuation Barrier."

ARKANSAS STATE HIGHWAY COMMISSION		
STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION - TEMPORARY PRECAST BARRIER		
8-07-19	REVISED NOTE	
10-15-09	ADDED REFERENCE TO MASH	
5-25-06	REVISED BARRIER PLACEMENT	
8-22-02	ISSUED NEW DRAWING	
DATE	REVISION	FILMED

STANDARD DRAWING TC-5

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Guidelines for length of longitudinal buffer space (B)	
Speed* (mph)	Length (Feet)
20	35
25	55
30	85
35	120
40	170
45	220
50	300

*Posted speed

MAXIMUM CHANNELIZATION SPACING IN FEET *		
Speed Limit M.P.H.	Along Taper	After Taper
20	20	40
25	25	50
30	30	60
35	35	70
40	40	80
45	45	90
50	50	100
55	55	100

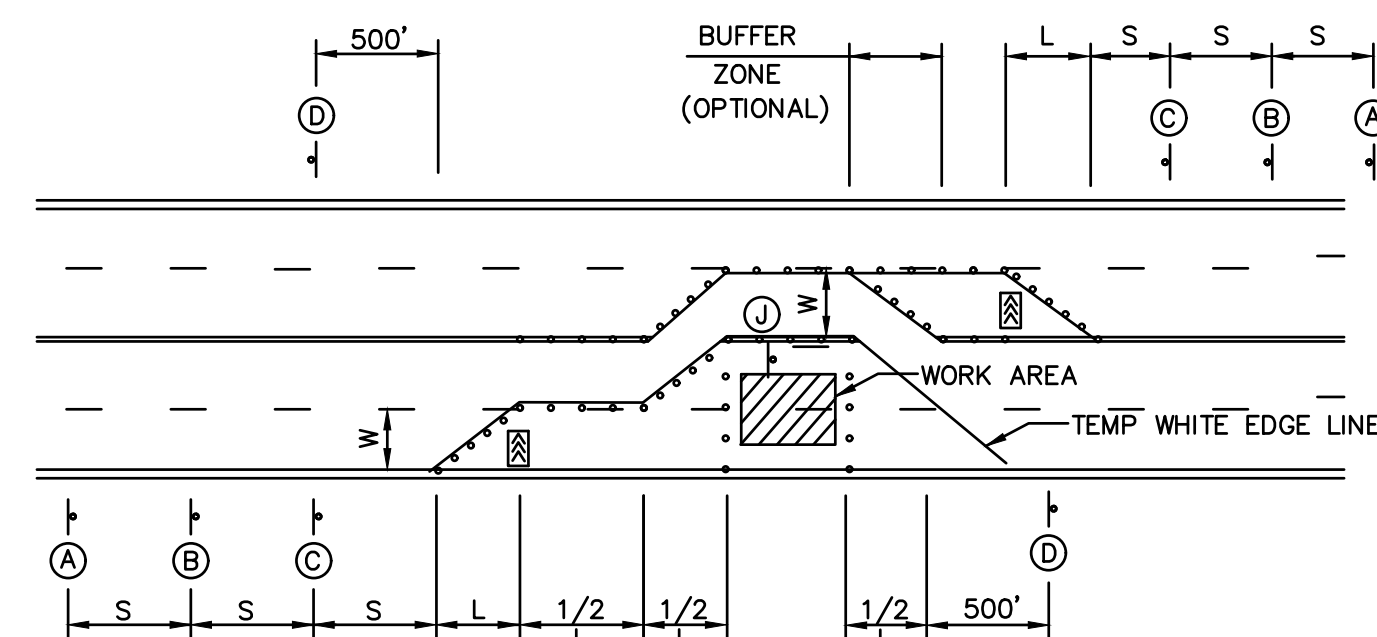
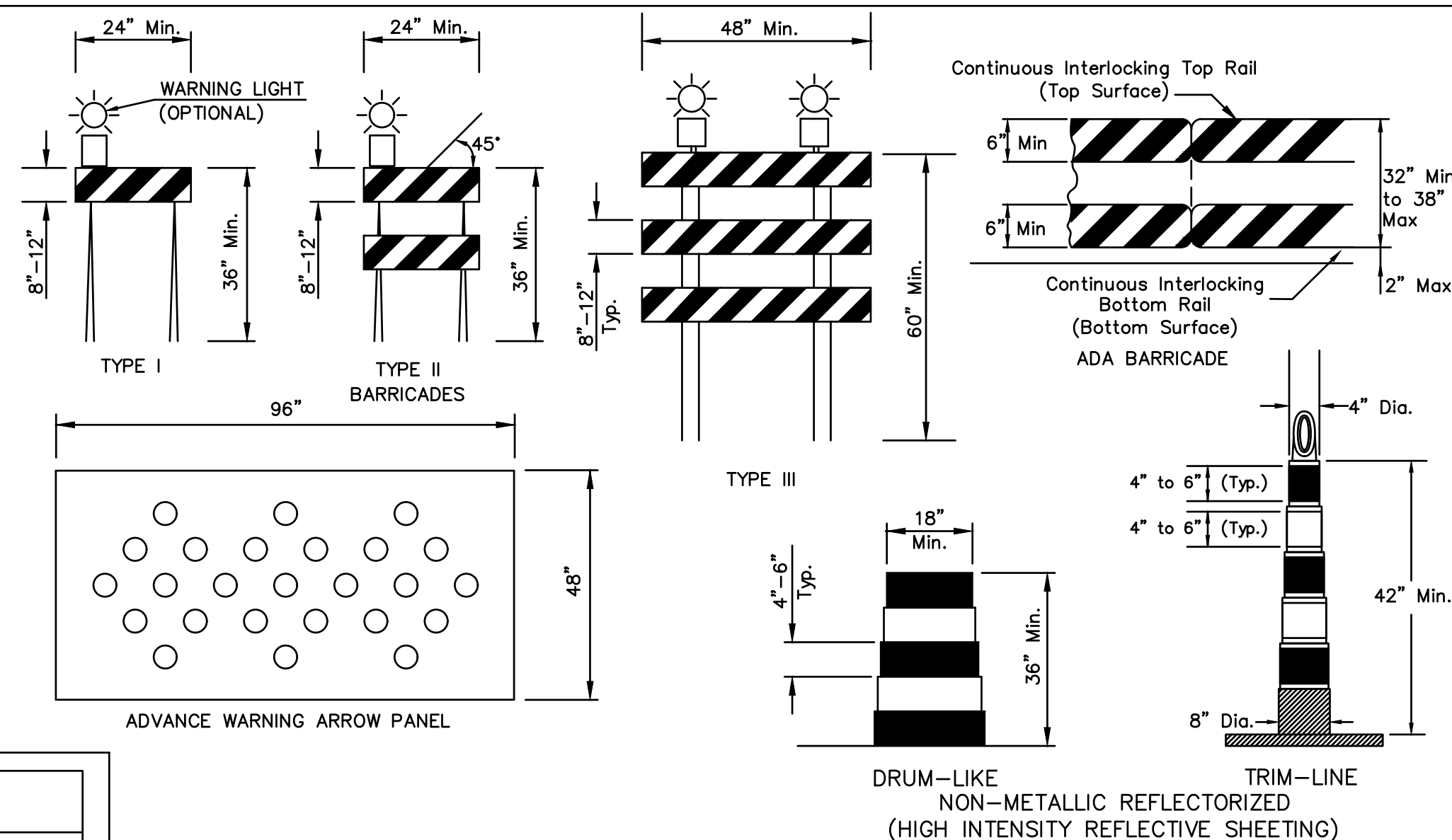
* The maximum distance in feet between devices in a taper should not exceed 1.0 times the speed limit in MPH.

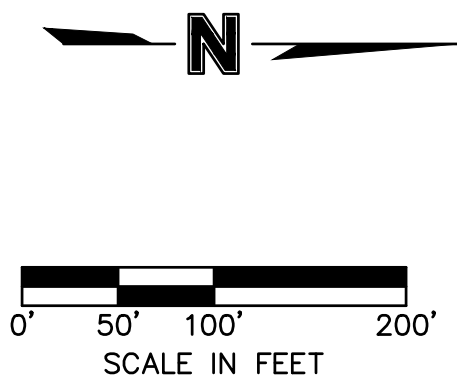
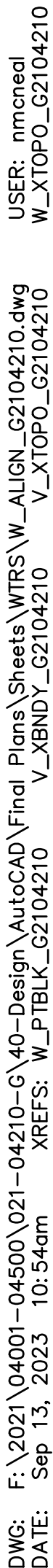
TAPER DETAIL				
Speed Limit M.P.H.	Minimum Taper Length (L)			Minimum Number of Channelizing Devices for Taper
	Lane Width (W)			
	10	11	12	
20	70	75	80	5
25	105	115	125	6
30	150	165	180	7
35	205	225	245	8
40	270	295	320	9
45	450	495	540	13
50	500	550	600	13
55	550	605	660	13

SIGN SPACING(S)	
<u>Speed</u>	<u>Spacing</u>
Limit M.P.H.	(Feet)
≤ 30	100
$35 - 45$	350
≥ 55	500

- GENERAL NOTES:

1. All signs, barricades, drums, markings and other traffic control devices shall conform to the Manual on Uniform Traffic Control Devices (M.U.T.C.D.), most current edition.
2. All traffic control devices shall be standard in size, shape, color and message, in good condition, and reflectorized. All signs and barricades in place at night shall be reflectorized with high intensity sheeting. All signs shall be securely mounted with height and lateral location as described in the M.U.T.C.D.
3. Warning lights should be used on all channelization devices and warning signs per M.U.T.C.D. Type A Low-Intensity Flashing Warning lights should be mounted on warning signs as well as barricades where used singly to warn users of potentially hazardous areas during nighttime hours. Type B High-Intensity Flashing warning lights should be used during day and nighttime operations to increase awareness of potentially hazardous areas. Type C Steady-Burn lights should be mounted on barricades to delineate the location of lane closures.
4. Advance Warning Arrow Panels shall be used for all lane closures on multi-lane streets but should not be used in lieu of proper traffic control signs, barricades and channelization devices.
5. Flaggers shall be used where indicated on the plans, where construction vehicles interact with normal traffic or where construction activities impose a restriction on traffic, as directed by the Engineer in charge of construction. Where flaggers are used, advance signing shall be erected as shown above or as specified in the M.U.T.C.D. Flaggers shall meet the requirements in the M.U.T.C.D. in regard to character, training, attire and behavior.
6. Channelization devices used in the street shall be either drums, cones or Triflimine channelizers.
7. Traffic control devices not in use or not applicable shall be either covered or removed from the work area.
8. The Contractor shall place as many barricades as needed to effectively shield pedestrians and traffic from exposed objects, excavations and construction activities. ADA Pedestrian Barricades shall be installed around all excavations left open during non-construction times or as directed by the Engineer in charge of construction.
9. Access shall be maintained to all driveways and side streets unless noted otherwise on the plans.
10. Construction materials shall be kept off of sidewalks, consolidated in one location within City Right-Of-Way, and removed daily unless otherwise approved by the Engineer in charge of construction.
11. Dirt, mud and other construction debris on streets and sidewalks shall be removed immediately.
12. Work shall not perform any work that will restrict traffic in any way between the hours of 7:00 a.m. and 8:30 a.m. or 4:30 p.m. and 6:00 p.m., unless prior approval has been given.
13. The Contractor shall be responsible for maintaining all traffic control devices on an around-the-clock basis, whether or not work is actively being pursued and any deficiencies noted shall be corrected immediately.
14. The traffic control requirements shown on these plans are minimum requirements only and do not attempt to address in depth the variety of situations that may occur once construction has started. In no way do the requirements shown on these plans relieve the contractor of his responsibility for selecting the proper traffic control devices and implementation procedures that will assure the safety of motorists, pedestrians, and workers at all times. Any additional quantities of traffic control devices necessary to complete the contract or as ordered by the Engineer shall be considered subsidiary to the contract bid price.
15. Construction vehicles parked along streets and construction signs shall not restrict sight distance for vehicles exiting at streets or any drives.
16. Should the contractor fail to enforce the traffic control plan or fail to take, replace or otherwise maintain the traffic control devices when directed to do so by the Engineer or representative, the City/Controlling Jurisdiction may take one or more of the following actions:
 - A) Employ any other agency to correct deficiencies in signing or warning devices and deduct the cost from the contractor's pay estimate
 - B) Suspend all pay Estimates until deficiencies are corrected.
 - C) Stop the work until deficiencies are corrected.
 - D) Place the contractor in default.
17. The Contractor shall keep roadway closures due to construction activities to a minimum and provide advanced notice to affected users.
18. The Contractor shall notify enforcement and emergency agencies before the start of construction to request their cooperation and to provide coordination of services when emergencies arise during the construction at the project site. When the contractor completes this notification with enforcement and emergency agencies, a notification shall be furnished to the engineer on the status of incident management.
19. The Contractor may, if need arises or at the request of the Engineer, place reduced speed limit signing and work zone speed limit signing in advance of all active work zone areas. Work zone speed limit reduction shall not be greater than 10 mph throughout construction areas without advanced signing in place. Contractor shall cover or replace all speed limit signs in conflict with the work zone speed limit throughout the construction area.





STORMLINE 400						
NO.		STATION	NORTHING	EASTING	LENGTH	LINE/CHORD BEARING
L40		0+00.00 0+34.18	747186.1652 747199.4593	660522.7624 660491.2754	34.18'	N67°06'36"W
L41		0+34.18 0+96.07	747199.4593 747227.0197	660491.2754 660435.8591	61.89'	N63°33'26"W
L42		0+96.07 3+72.92	747227.0197 747237.6486	660435.8591 660159.2134	276.85'	N87°47'59"W
L43		3+72.92 3+74.92	747237.6486 747237.7294	660159.2134 660157.2150	2.00'	N87°41'11"W
L44		3+74.92 4+21.21	747237.7294 747262.3443	660157.2150 660118.0171	46.29'	N57°52'21"W
L45		4+21.21 4+23.21	747262.3443 747262.4524	660118.0171 660116.0200	2.00'	N86°54'11"W
L46		4+23.21 4+97.89	747262.4524 747337.0635	660116.0200 660119.4191	74.69'	N2°36'31"E
L47		4+97.89 6+15.20	747337.0635 747454.1904	660119.4191 660125.8932	117.31'	N3°09'49"E
L48		6+15.20 6+99.99	747454.1904 747538.9337	660125.8932 660128.8159	84.79'	N1°58'31"E
L54		11+28.39 12+72.46	747966.5769 748110.4346	660153.4178 660161.2256	144.07'	N3°06'24"E
L55		12+72.46 13+33.98	748110.4346 748171.8121	660161.2256 660165.4723	61.52'	N3°57'29"E
L56		13+33.98 13+82.10	748171.8121 748219.8393	660165.4723 660162.4706	48.12'	N3°34'35"W
L57		13+82.10 14+00.00	748219.8393 748237.6906	660162.4706 660163.7353	17.90'	N4°03'09"E

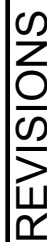
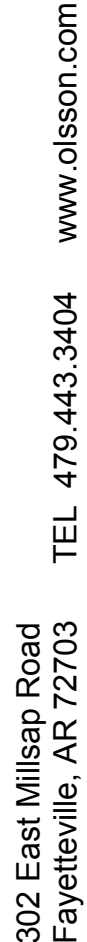
BENCHMARK & CONTROL POINT INFORMATION

BM #20 TOP OPERATING NUT OF FIRE HYDRANT N: 747609.06 E: 660131.6 ELEV. = 1303.29	CP #1 #5 REBAR WITH OLSSON CONTROL CAP N: 745986.87 E: 660973.72 ELEV. = 1285.52
BM #21 TOP OPERATING NUT OF FIRE HYDRANT N: 747252.41 E: 660504.39 ELEV. = 1292.91	CP #2 #5 REBAR WITH OLSSON CONTROL CAP N: 745996.36 E: 661311.13 ELEV. = 1287.37
BM #22 TOP OPERATING NUT OF FIRE HYDRANT N: 746620.39 E: 660429.99 ELEV. = 1290.36	CP #3 90D NAIL IN PARKING LOT ISLAND N: 746096.48 E: 660410.74 ELEV. = 1284.07
BM #10637 TOP OPERATING NUT OF FIRE HYDRANT N: 748194.76 E: 660146.18 ELEV. = 1309.50	CP #5 #5 REBAR WITH OLSSON CONTROL CAP N: 747292.6 E: 660533.51 ELEV. = 1290.62
CONSTRUCTION IN THE CITY OF O THE CITY OF BENTONVILLE EM BASED UPON THE STATE KANSAS NORTH ZONE USING THE 983 (NAD 83) IN ACCORDANCE	CP #9 BRONZE CAP MONUMENT CITY OF BENTONVILLE CONTROL N: 743842.92 E: 661364.39 ELEV. = 1283.34 (NAVD88 PROJECT DATUM) C.O.B. ELEV = 1283.63 (PUBLISHED)
(NAD 83) AND NORTH AMERICAN 88) USED FOR SURVEY	CP #10 BRONZE CAP MONUMENT CITY OF BENTONVILLE CONTROL N: 746496.56 E: 661509.95 ELEV. = 1288.71 (NAVD88 PROJECT DATUM) C.O.B. ELEV = 1289.05 (PUBLISHED)

NOTE: ALL STREET AND ROAD CONSTRUCTION IN THE CITY OF BENTONVILLE SHALL BE TIED TO THE CITY OF BENTONVILLE SURVEY MONUMENTATION SYSTEM BASED UPON THE STATE PLANE COORDINATE SYSTEM ARKANSAS NORTH ZONE USING THE NORTH AMERICAN DATUM OF 1983 (NAD 83) IN ACCORDANCE WITH COB STREET SPECS

NORTH AMERICAN DATUM 1983 (NAD 83) AND NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88) USED FOR SURVEY

NORTH AMERICAN DATUM 1983 (NAD 83) AND NORTH AMERICAN
VERTICAL DATUM 1988 (NAVD 88) USED FOR SURVEY

2023

SURVEY CONTROL & ALIGNMENT TABLES

SW 10TH STREET & SW F STREET STORMWATER IMPROVEMENTS

BENTONVILLE, AR

drawn by: _____ KTF
checked by: _____ JDA
approved by: _____ EJS
QA/QC by: _____ EJS
project no.: _____ 021-04210-G
drawing no.: W ALIGN G2104210
date: _____ 09.13.2023

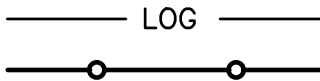
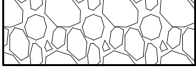
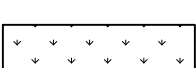
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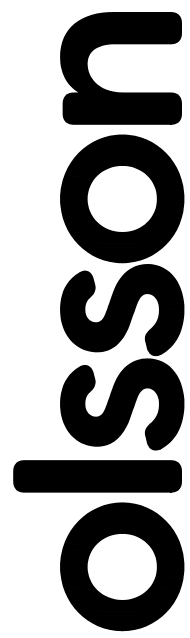
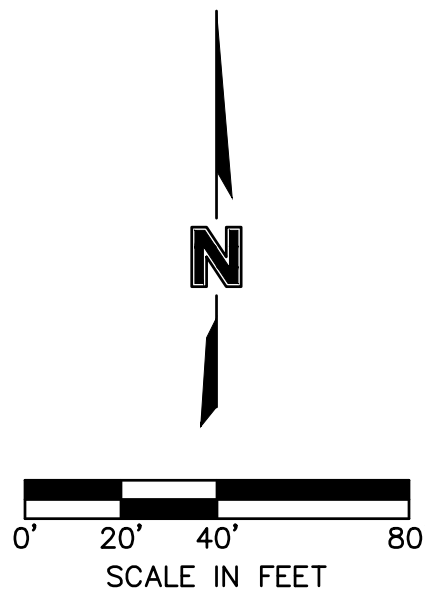
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DATE: Sep 13, 2023 10:55am
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NOTE:
PRE-CONSTRUCTION TOPOGRAPHIC VIEW:
REFER TO THE PLAN AND PROFILE SHEETS
(38-52) FOR TOPOGRAPHIC INFORMATION



LEGEND

- | | |
|---|--|
|  | LIMITS OF GRADING |
|  | SEDIMENT CONTROL BARRIER |
|  | STABILIZED GRAVEL CONSTRUCTION ENTRANCE/EXIT |
|  | INSTALL INLET PROTECTION |
|  | TREE REMOVAL |
|  | CONCRETE WASHOUT |
|  | CONSTRUCTION STAGING AREA |
|  | EROSION CONTROL MAT,
NA-GREEN SC-150 OR EQUAL |
|  | SEEDING |
|  | SOD |



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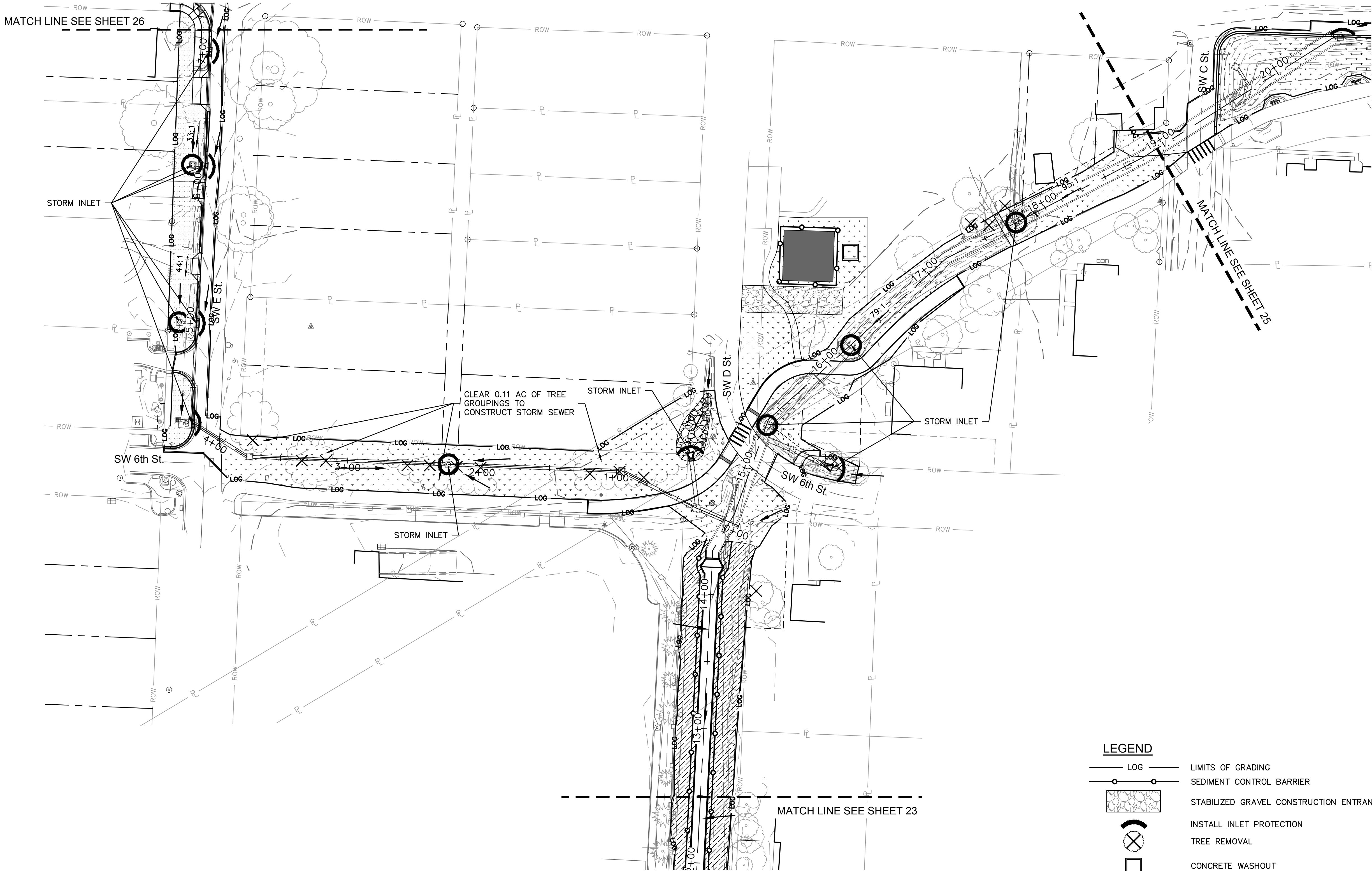
EROSION CONTROL PLAN	
SW 10TH STREET & SW F STREET STORMWATER IMPROVEMENTS	
BENTONVILLE, AR	2023

drawn by: _____ KTF
checked by: _____ JDA
approved by: _____ EJS
QA/QC by: _____ EJS
project no.: _____ 021-04210-G
drawing no.: W ERC01 G2104210
date: _____ 09.13.2023

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23 of 71

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NOTE:
PRE-CONSTRUCTION TOPOGRAPHIC VIEW:
REFER TO THE PLAN AND PROFILE SHEETS
(38-52) FOR TOPOGRAPHIC INFORMATION



LEGEND

— LOG —

— LOG —

LIMITS OF GRADING

SEDIMENT CONTROL BARRIER

STABILIZED GRAVEL CONSTRUCTION ENTRANCE/EXIT

INSTALL INLET PROTECTION

TREE REMOVAL

CONCRETE WASHOUT

CONSTRUCTION STAGING AREA

EROSION CONTROL MAT,
NA-GREEN SC-150 OR EQUAL

SEEDING

SOD

EROSION CONTROL PLAN

SW 10TH STREET & SW F STREET
STORMWATER IMPROVEMENTS

BENTONVILLE, AR

2023

REVISIONS

REV. NO.	DATE	REVISIONS DESCRIPTION	BY

drawn by: KTE

checked by: JDA

approved by: EJS

QA/QC by: EJS

project no.: 021-04210-G

drawing no.: W_ERC01_G2104210

date: 09.13.2023

SHEET

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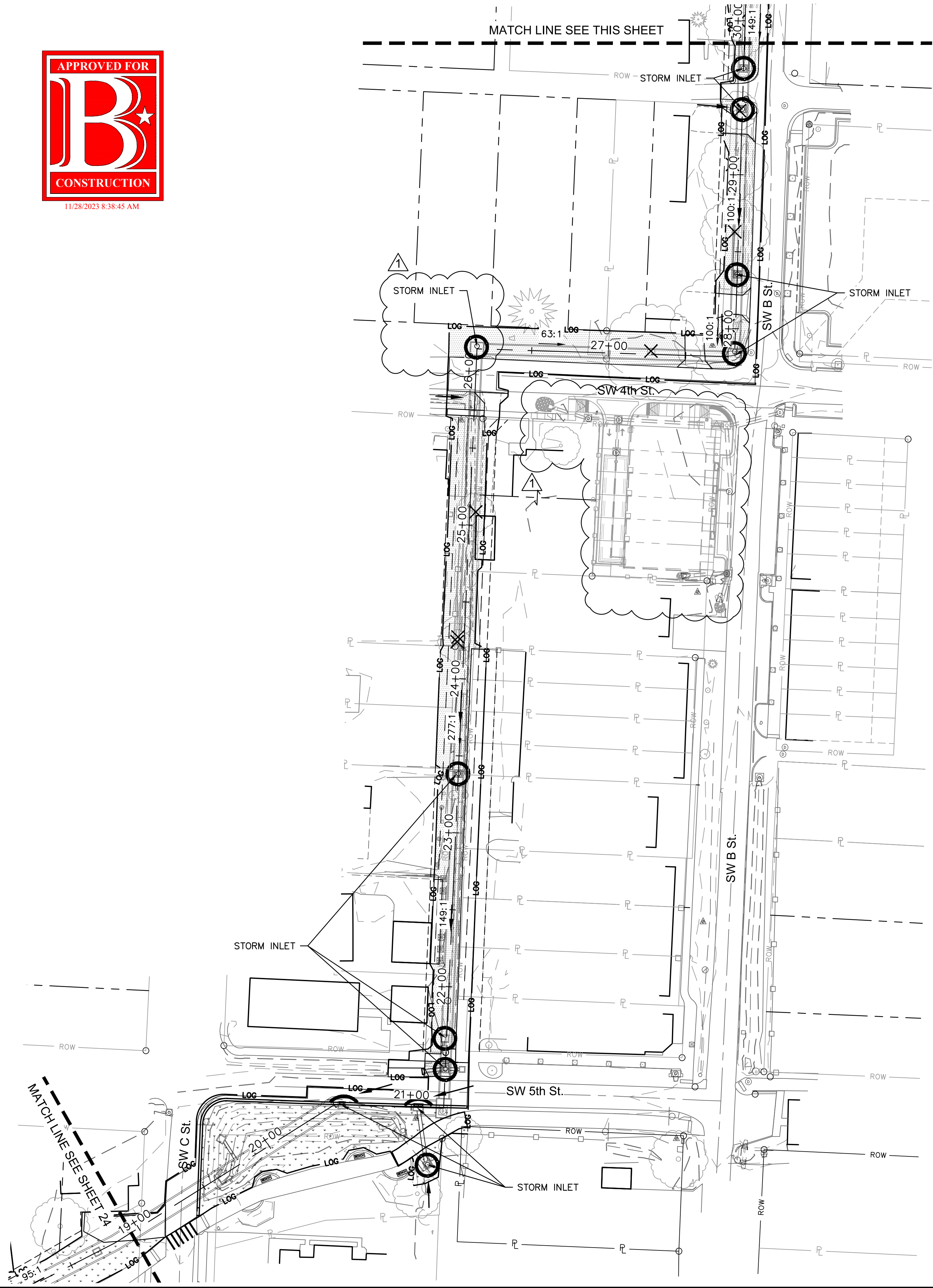
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Fayetteville, AR 72703
TEL 479.443.3404
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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
NO. 19111
ERIC JOSEPH SHELTON

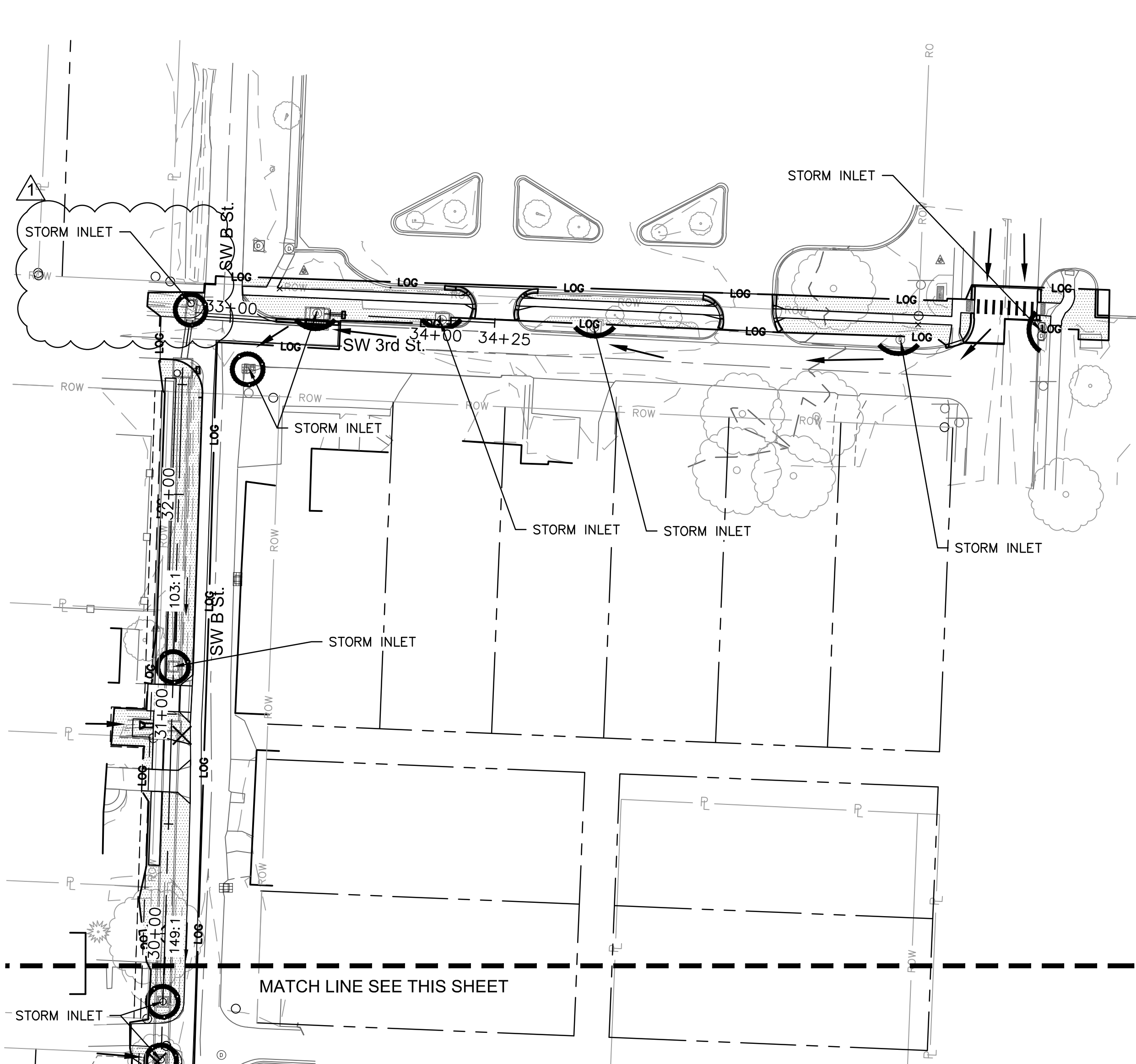
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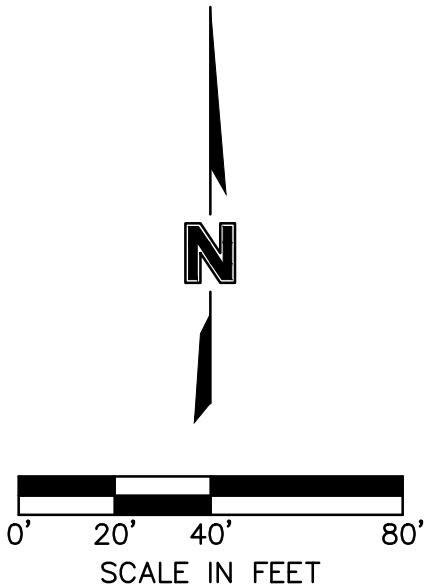


NOTE:
PRE-CONSTRUCTION TOPOGRAPHIC VIEW:
REFER TO THE PLAN AND PROFILE SHEETS
(38-52) FOR TOPOGRAPHIC INFORMATION



LEGEND

- LOG LIMITS OF GRADING
- SEDIMENT CONTROL BARRIER
- STABILIZED GRAVEL CONSTRUCTION ENTRANCE/EXIT
- INSTALL INLET PROTECTION
- TREE REMOVAL
- CONCRETE WASHOUT
- CONSTRUCTION STAGING AREA
- EROSION CONTROL MAT, NA-GREEN SC-150 OR EQUAL
- SEEDING
- SOD



EROSION CONTROL PLAN

SW 10TH STREET & SW F STREET
STORMWATER IMPROVEMENTS

BENTONVILLE, AR

2023

REVISIONS

REV. NO.	DATE	REVISIONS DESCRIPTION	BY
1	10/31/2023	Miscellaneous updates	EMPS

drawn by: KTE

checked by: JDA

approved by: EJS

QA/QC by: EJS

project no.: 021-04210-G

drawing no.: W ERC01_G2104210

date: 09.13.2023

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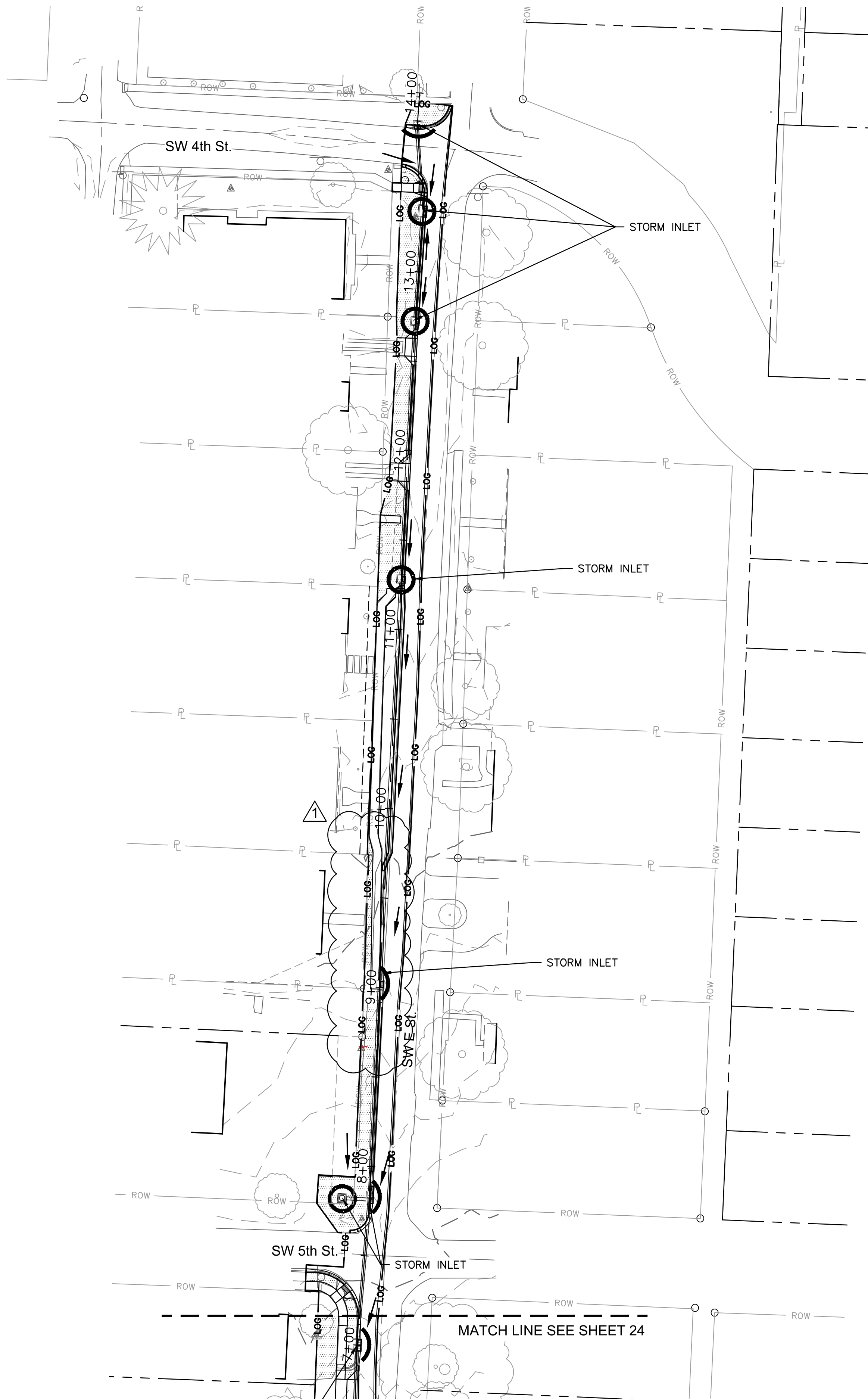
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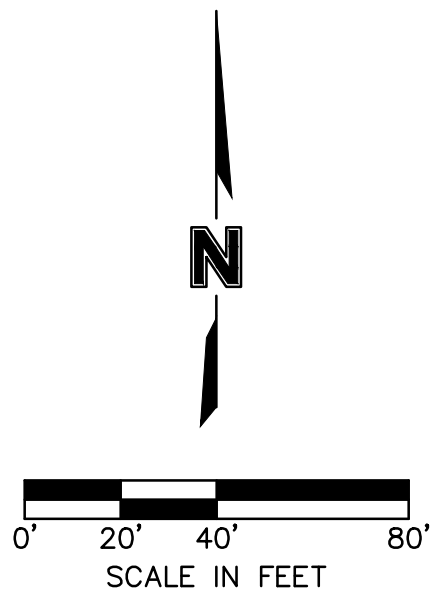
NOTE:
PRE-CONSTRUCTION TOPOGRAPHIC VIEW:
REFER TO THE PLAN AND PROFILE SHEETS
(38-52) FOR TOPOGRAPHIC INFORMATION



LEGEND

LIMITS OF GRADING
SEDIMENT CONTROL BARRIER
STABILIZED GRAVEL CONSTRUCTION ENTRANCE/EXIT
INSTALL INLET PROTECTION
TREE REMOVAL
CONCRETE WASHOUT
CONSTRUCTION STAGING AREA
EROSION CONTROL MAT,
NA-GREEN SC-150 OR EQUAL
SEEDING

SOD



EROSION CONTROL PLAN

SW 10TH STREET & SW F STREET STORMWATER IMPROVEMENTS

BENTONVILLE, AR

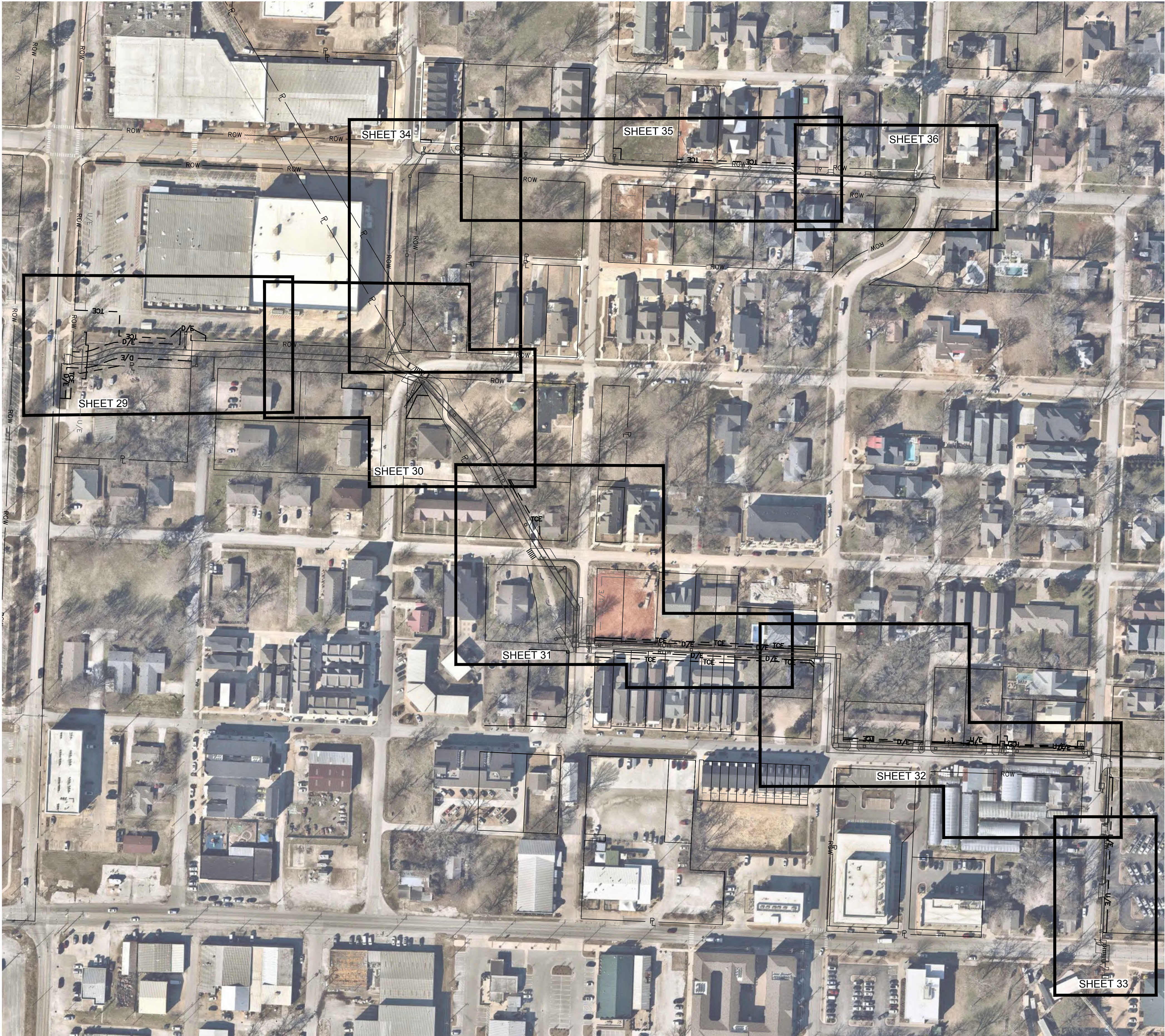
REVISIONS

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checked by: _____ JDA
approved by: _____ EJS
QA/QC by: _____ EJS
project no.: _____ 021-04210-G
drawing no.: W ERC01 G2104210
date: _____ 09.13.2023

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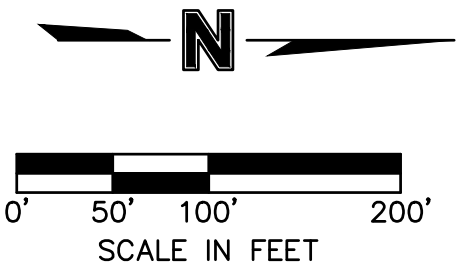
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LEGEND

- TCE --- PROPOSED TEMPORARY CONSTRUCTION EASEMENT
- D/E --- PROPOSED PERMANENT DRAINAGE EASEMENT
- U/E --- PROPOSED UTILITY EASEMENT
- ROW --- PROPOSED PERMANENT RIGHT-OF-WAY
- U/E --- EXISTING UTILITY EASEMENT
- ROW --- EXISTING RIGHT-OF-WAY



OVERALL EASEMENT PLAN

SW 10TH STREET & SW F STREET
STORMWATER IMPROVEMENTS

BENTONVILLE, AR

2023

REVISIONS

REV. NO.	DATE	REVISIONS DESCRIPTION	BY



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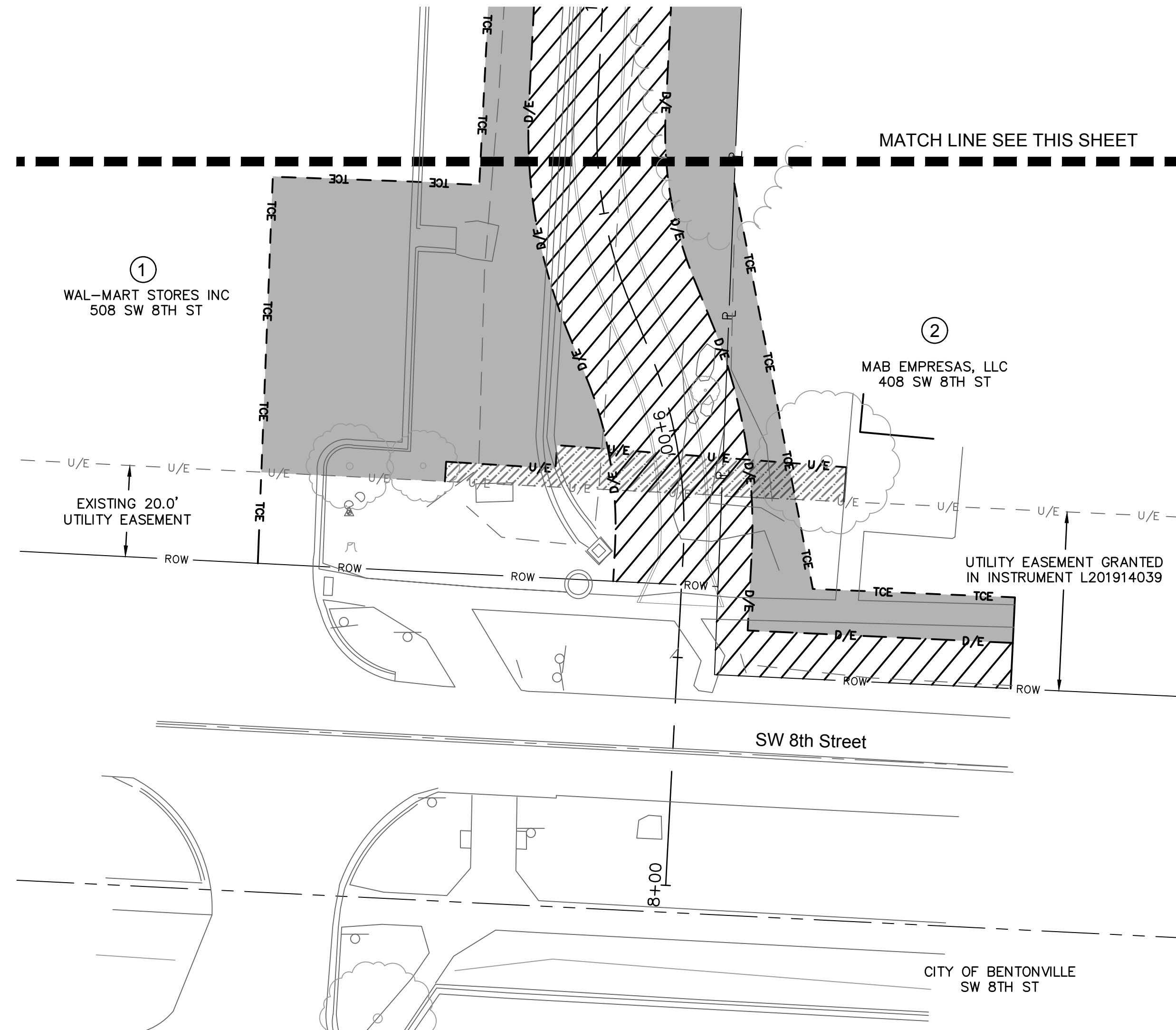
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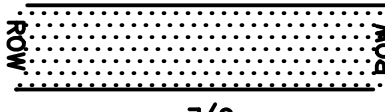
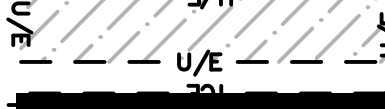
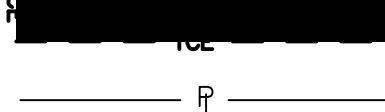
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checked by: JDA
approved by: EJS
QA/QC by: EJS
project no.: 021-04210-G
drawing no. W_ROW-OVRALL_G2104210
date: 09.13.2023

EASEMENT INFORMATION					
PARCEL NUMBER	OWNER/ OWNER ADDRESS	PERMANENT DRAINAGE EASEMENT	TEMPORARY CONSTRUCTION EASEMENT	PERMANENT RIGHT-OF-WAY	UTILITY EASEMENT
1	WAL-MART STORES INC. WAL MART PROPERTY TAX DEPT PO BOX 8050 MS 0555 BENTONVILLE, AR 72712	7204 sf	10108 sf	-	419 sf
2	MAB EMPRESAS LLC 5543 EDMONDSON PIKE #1122 NASHVILLE, TN 37211	969 sf	1238 sf	-	215 sf
3	BRIAN L & PATRICIA K LARSON 802 NW D ST BENTONVILLE AR 72712	-	2167 sf	-	-
4	BRIAN L & PATRICIA K LARSON FAMILY TRUST 802 NW D ST BENTONVILLE AR 72712	617 sf	1934 sf	771 sf	-
5	NFD LLC PO BOX 808 BENTONVILLE AR 72712	36 sf	586 sf	-	-
6	MATTHEW W & DAPHNE GREEN 500 SW B ST BENTONVILLE AR 72712	-	19 sf	-	-
7	N & J FAMILY PROPERTIES LLC 1402 SW SUSANA ST UNIT 6 BENTONVILLE AR 72712	390	251 sf	-	-
8	BENTONVILLE B-SIDE HORIZONTAL PROPERTY REGIME HUBERT CHARLES AGEE, JR. & SLADER AGEE 4515 BAYWOOD AVE SPRINGDALE, AR 72762	7 sf	325 sf	-	-
9	DAVID & BRANDY HUBENER 468 SW B ST BENTONVILLE AR 72712	110 sf	370 sf	-	-
10	HUNTER & CELINA BANWARTH 644 W DICKSON ST STE 208 FAYETTEVILLE AR 72701	241 sf	315 sf	-	-
11	BENJAMIN W BUSE & KRISTIN COPHER 400 SW 5TH ST BENTONVILLE AR 72712	283 sf	354 sf	-	-
12	SATOKO KATO 403 SW C ST BENTONVILLE AR 72712	170 sf	199 sf	-	-
13	SATOKO KATO 403 SW C ST BENTONVILLE AR 72712	167 sf	199 sf	-	-
14	TODD D & AUDRA J PETERSON 319 SW 4TH ST BENTONVILLE AR 72712	632 sf	744 sf	-	-
15	ROBERT M & LESLIE R TUCKER 466 SW B ST BENTONVILLE AR 72712	110 sf	370 sf	-	-
16	NATALIE JULICH & SEAN THURMAN 464 SW B ST BENTONVILLE AR 72712	110 sf	370 sf	-	-

PARCEL NUMBER	OWNER/ OWNER ADDRESS	PERMANENT DRAINAGE EASEMENT	TEMPORARY CONSTRUCTION EASEMENT	PERMANENT RIGHT-OF-WAY	UTILITY EASEMENT
17	DANIEL M HINTZ & KASSIE M MISIEWICZ 452 SW B ST BENTONVILLE AR 72712	165 sf	554 sf	-	-
18	MARK & TARA KINSLEY 3702 SPRING HILL RD JOPLIN MO 64804	72 sf	242 sf	-	-
19	PETER MCGEE & YEE-LIN LAI 650 N LONGFELLOW LN FAYETTEVILLE AR 72704	71 sf	237 sf	-	-
20	BRIAN MOTTET 442 SW B ST BENTONVILLE AR 72712	71 sf	238 sf	-	-
21	CHRISTOPHER E CONWAY REVOCABLE TRUST 329 N B ST CENTERTON AR 72719	71 sf	239 sf	-	-
22	REEDA M RUSH 2014 REVOCABLE TRUST HABITAT FOR HUMANITY OF BENTON 1212 N WALTON BLVD BENTONVILLE AR 72712	183 sf	248 sf	-	-
23	TONY & LEAH A GAGLIARDO 303 SW 4TH ST BENTONVILLE AR 72712	420 sf	507 sf	-	-
24	PBR HOLDINGS LLC PO BOX 3450 BENTONVILLE AR 72712	450 sf	450 sf	-	113 sf
25	PBR HOLDINGS LLC PO BOX 3450 BENTONVILLE AR 72712	180 sf	180 sf	-	246 sf
26	JESSIE A WAGNER FAMILY TRUST 306 SW B ST BENTONVILLE AR 72712	204 sf	278 sf	-	238 sf
27	JUSTIN PURKEY & FRANCISCO SERPA 607 SW 2ND ST BENTONVILLE AR 72712	238 sf	306 sf	-	187 sf
28	PHILIP H & LESLEY E HERR 301 SW 3RD ST BENTONVILLE AR 72712	299 sf	299 sf	-	339 sf
29	CAPSTONE INVESTMENTS GROUP LLC PO BOX 1915 BENTONVILLE AR 72712	-	100 sf	-	-
30	PENSAGO LLC 604 SW 5TH ST BENTONVILLE AR 72712	300 sf	-	-	-
31	MARK STEVEN KELLEY 410 SW E ST BENTONVILLE, AR	-	-	-	-
32	ROBERT K & JULIE A CARLSON 408 SW E ST BENTONVILLE AR 72712	-	374 sf	-	-
33	ROBERT KELLY & CORTNEY M CARLSON 406 SW E ST BENTONVILLE AR 72712-5721	-	375 sf	-	-
34	FIRST BAPTIST CHURCH OF BENTONVILLE 200 SW A ST BENTONVILLE AR 72712-5963	-	-	-	2123 sf

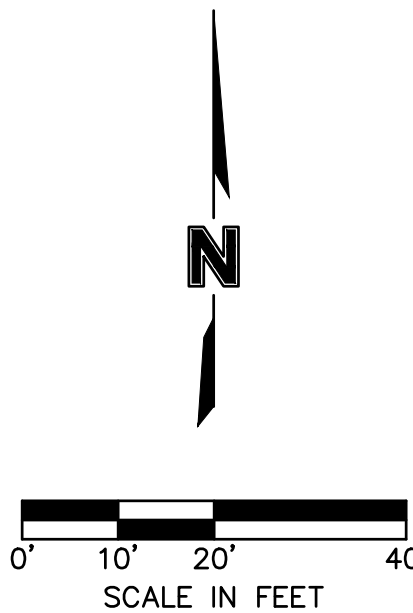
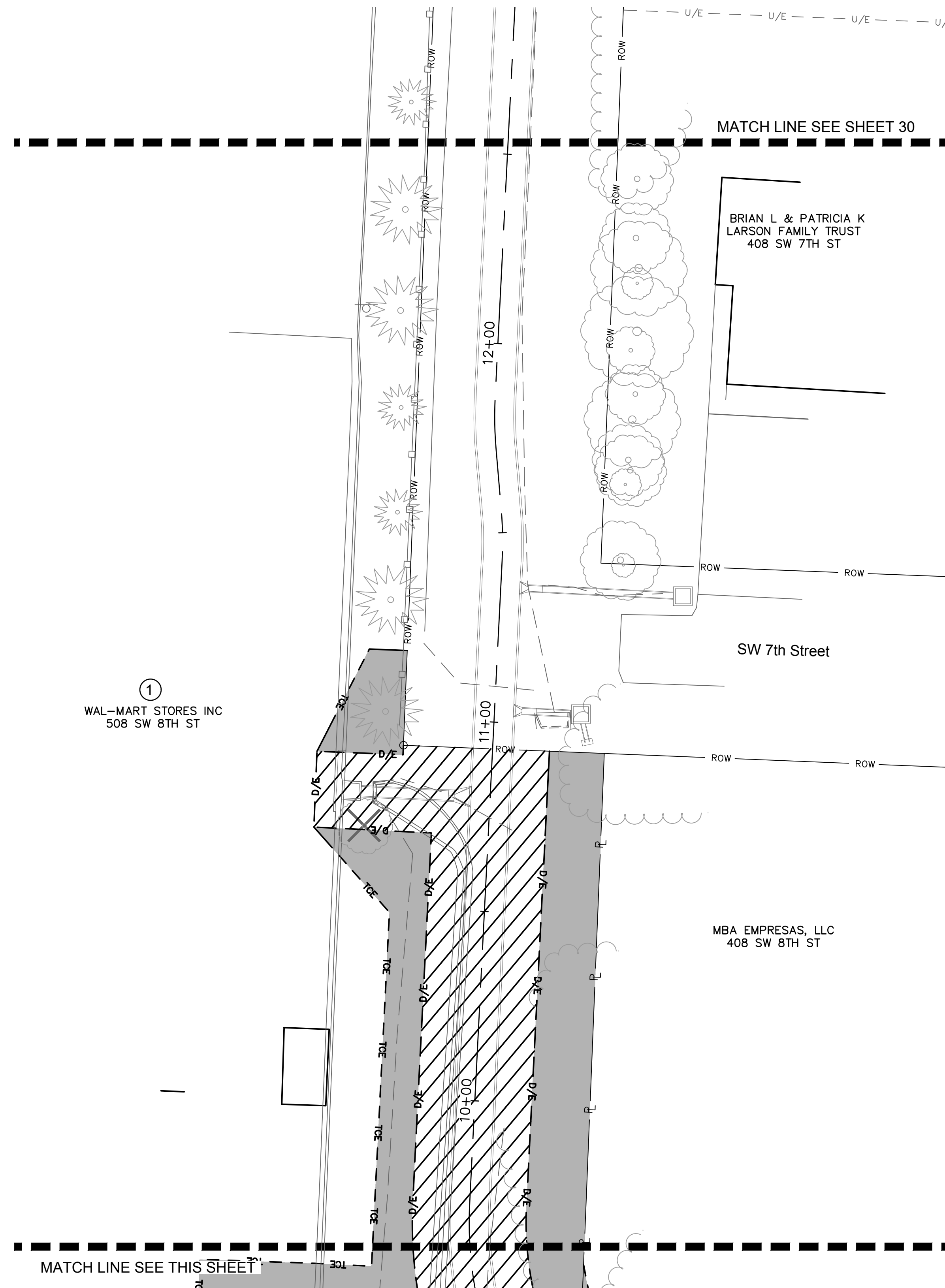




LEGEND	
	PERMANENT DRAINAGE EASEMENT
	PERMANENT RIGHT-OF-WAY (PROPOSED)
	PERMANENT UTILITY EASEMENT
	TEMPORARY CONSTRUCTION EASEMENT
	PROPERTY LINE
	LOT LINE
	EXISTING RIGHT OF WAY
	EXISTING UTILITY EASEMENT

ABBREVIATIONS

<i>D/E</i>	EXISTING DRAINAGE EASEMENT
<i>TRAIL/E</i>	EXISTING TRAIL EASEMENT
<i>ACCESS/E</i>	EXISTING ACCESS EASEMENT
<i>SWB/E</i>	EXISTING SOUTH WESTERN BELL EASEMENT



RIGHT OF WAY EASEMENT PLAN

SW 10TH STREET & SW F STREET
STORMWATER IMPROVEMENTS

BENTONVILLE, AR.

2023

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USER: nmcneal
W_PESMT_G2104

20-044 edg base

W_XTOPO_G2104210

PRC PROPERTIES LLC
528 SW D ST

CITY OF
BENTONVILLE
SW D ST

①
WAL-MART STORES INC
508 SW 8TH ST

③
BRIAN L &
PATRICIA K LARSON
407 SW 6TH ST

BRIAN L & PATRICIA K
LARSON FAMILY TRUST
408 SW 7TH ST

ABREVIATIONS

<i>D/E</i>	EXISTING DRAINAGE EASEMENT
<i>TRAIL/E</i>	EXISTING TRAIL EASEMENT
<i>ACCESS/E</i>	EXISTING ACCESS EASEMENT
<i>SWB/E</i>	EXISTING SOUTH WESTERN BELL EASEMENT

LEGEND

PERMANENT DRAINAGE EASEMENT
PERMANENT RIGHT-OF-WAY (PROPOSED)
PERMANENT UTILITY EASEMENT
TEMPORARY CONSTRUCTION EASEMENT
PROPERTY LINE
LOT LINE
EXISTING RIGHT OF WAY
EXISTING UTILITY EASEMENT

RIGHT OF WAY EASEMENT PLAN

SW 10TH STREET & SW F STREET
STORMWATER IMPROVEMENTS

BENTONVILLE, AR

2023

REV.
NO.DA⁺

REVISIONS DESCRIPTION

BY

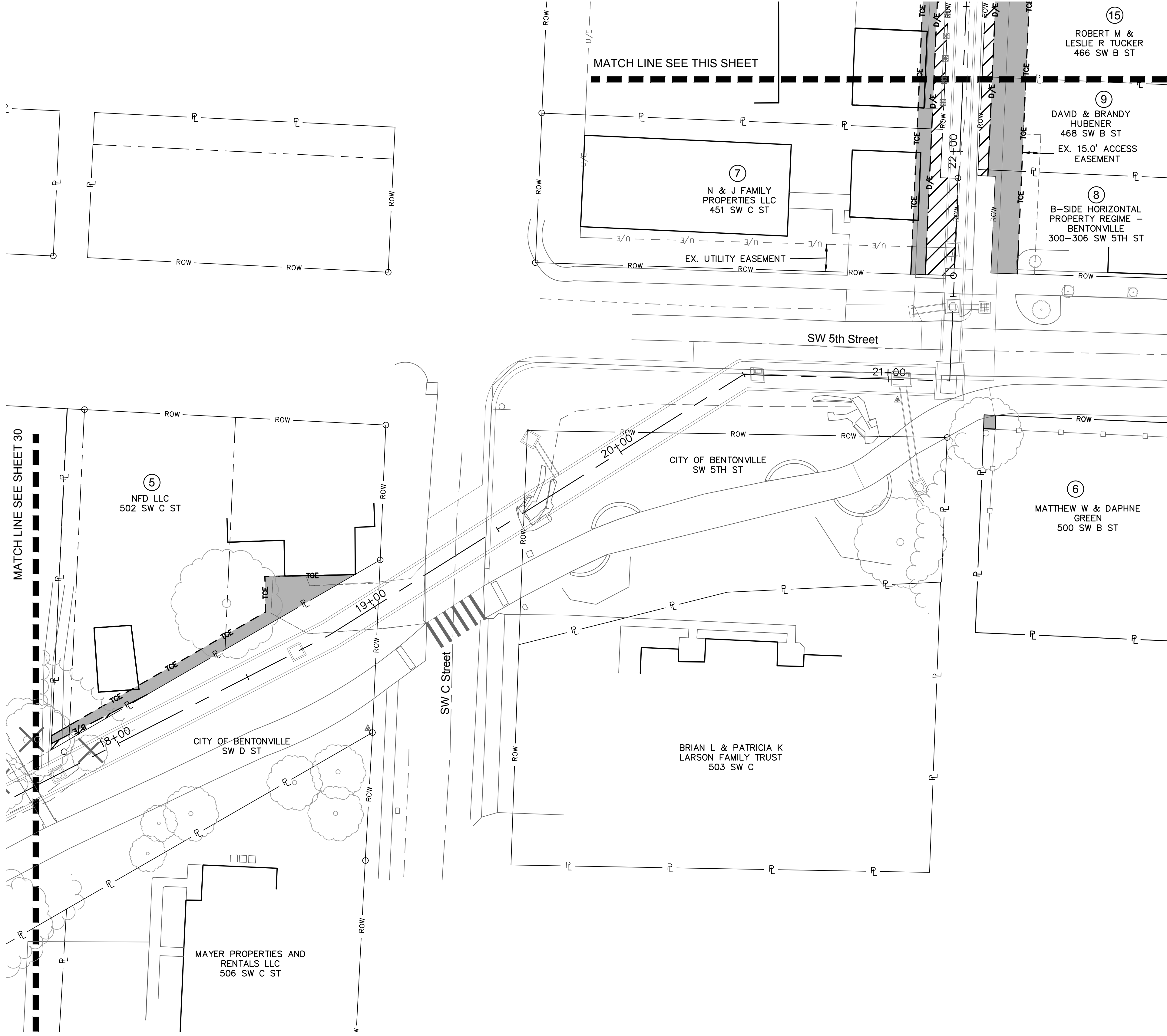
STATE OF ARKANSAS
 REGISTERED PROFESSIONAL ENGINEER
 NO. 19111
 ERIC JOSEPH SHELTON
 09-13-2023

REVISIONS

olson

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Fayetteville, AR 72703
TEL 479.443.3404 www.olsson.com

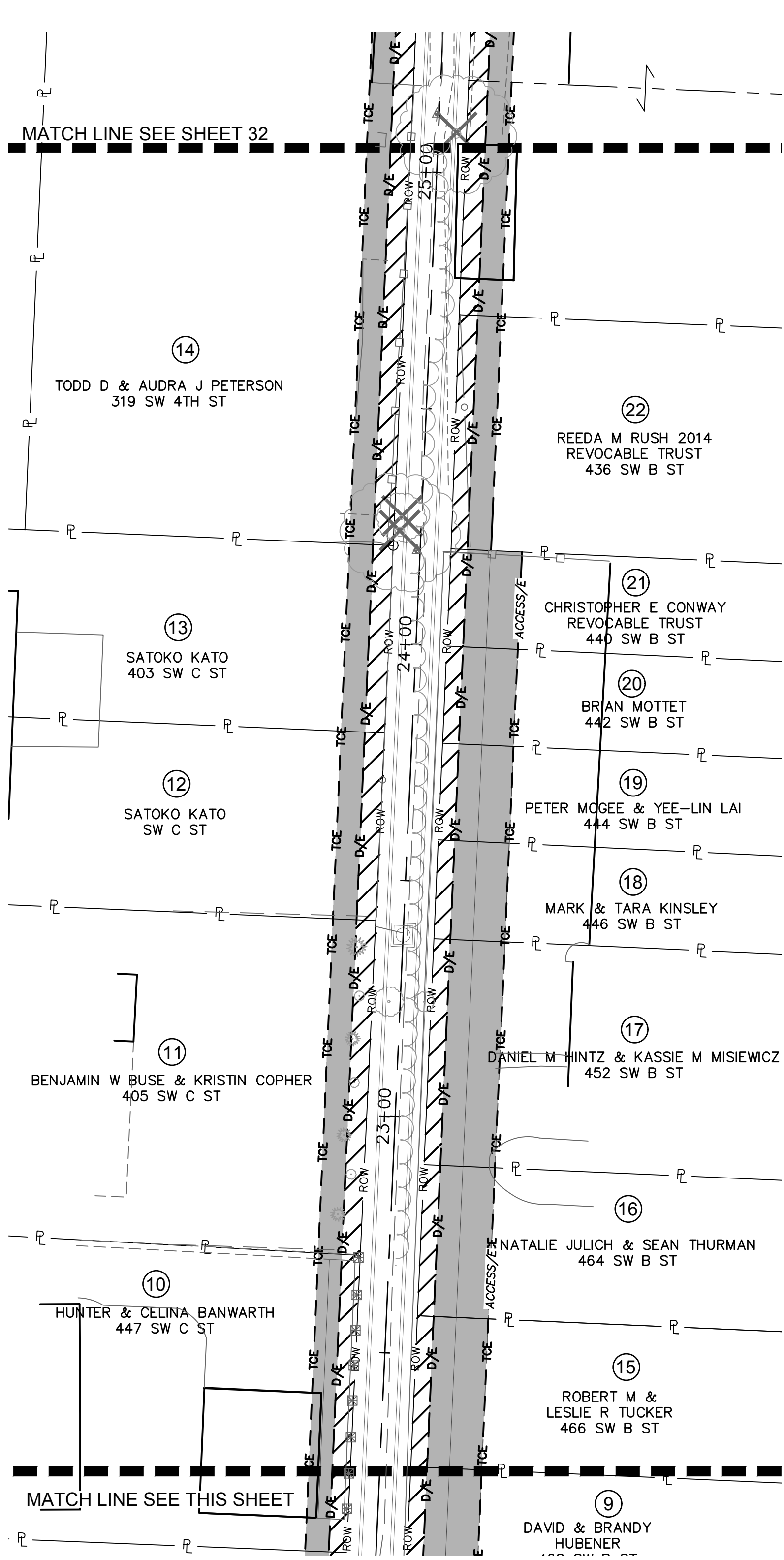
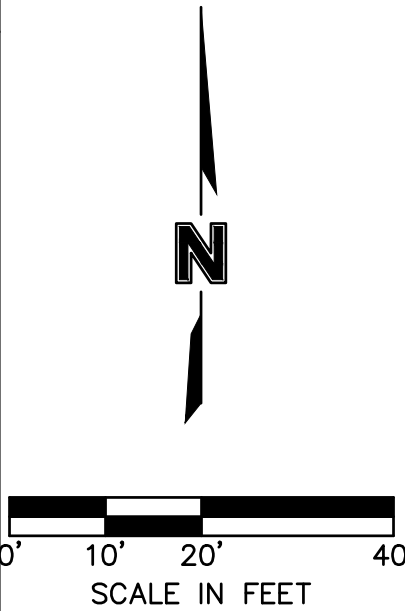
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USER: nmcnad



11/28/2023 8:38:46 AM

ABBREVIATIONS	
D/E	EXISTING DRAINAGE EASEMENT
TRAIL/E	EXISTING TRAIL EASEMENT
ACCESS/E	EXISTING ACCESS EASEMENT
SWB/E	EXISTING SOUTH WESTERN BELL EASEMENT

LEGEND	
	PERMANENT DRAINAGE EASEMENT
	PERMANENT RIGHT-OF-WAY (PROPOSED)
	PERMANENT UTILITY EASEMENT
	TEMPORARY CONSTRUCTION EASEMENT
	PROPERTY LINE
	LOT LINE
	EXISTING RIGHT OF WAY
	EXISTING UTILITY EASEMENT



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BY	REVISIONS DESCRIPTION	DATE	REV. NO.

RIGHT OF WAY EASEMENT PLAN

SW 10TH STREET & SW F STREET
STORMWATER IMPROVEMENTS

BENTONVILLE, AR

2023

drawn by: KTF
checked by: JDA
approved by: EJS
QA/QC by: EJS
project no.: 021-04210-G
drawing no. W_ROW01_G2104210
date: 09.13.2023

SHEET
31 of 71



DWG: F:\2021\04001-04500\0
DATE: Nov 01, 2023 11:16am



(25)
PBR HOLDINGS LLC
308 SW B ST

HAZEL MATKINS
REVOCABLE TRUST
SW B ST

24
PBR HOLDINGS LLC
310 SW B ST

SOUTHWEST 4&A LLC
350 SW A ST

SW 4TH Street

TODD D & AUDRA
J PETERSON
319 SW 4TH ST

TONY & LEAH A GAGLIARDO
303 SW 4TH ST

NFD LLC
1 SW 4TH ST

MATCH LINE SEE SHEET 31

SW B Street

MATCH LINE SHEET 33

ABBREVIATIONS	
<i>D/E</i>	EXISTING DRAINAGE EASEMENT
<i>TRAIL/E</i>	EXISTING TRAIL EASEMENT
<i>ACCESS/E</i>	EXISTING ACCESS EASEMENT
<i>SWB/E</i>	EXISTING SOUTH WESTERN BELL EASEMENT



PERMANENT DRAINAGE EASEMENT

PERMANENT RIGHT-OF-WAY
(PROPOSED)

PERMANENT UTILITY EASEMENT

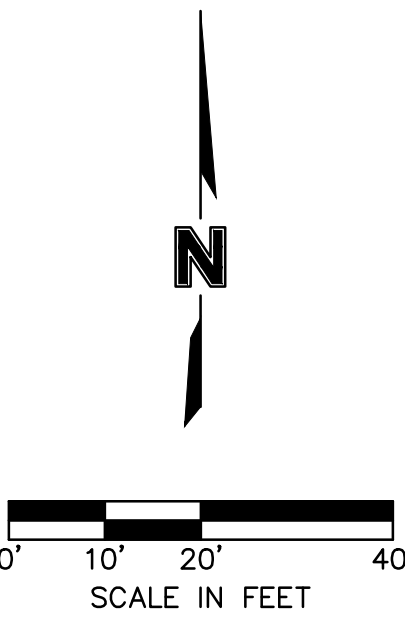
TEMPORARY CONSTRUCTION EASEMENT

PROPERTY LINE

LOT LINE

EXISTING RIGHT OF WAY

EXISTING UTILITY EASEMENT



RIGHT OF WAY EASEMENT PLAN

SW 10TH STREET & SW F STREET STORMWATER IMPROVEMENTS

BENTONVILLE, AR

2023

[illegible]

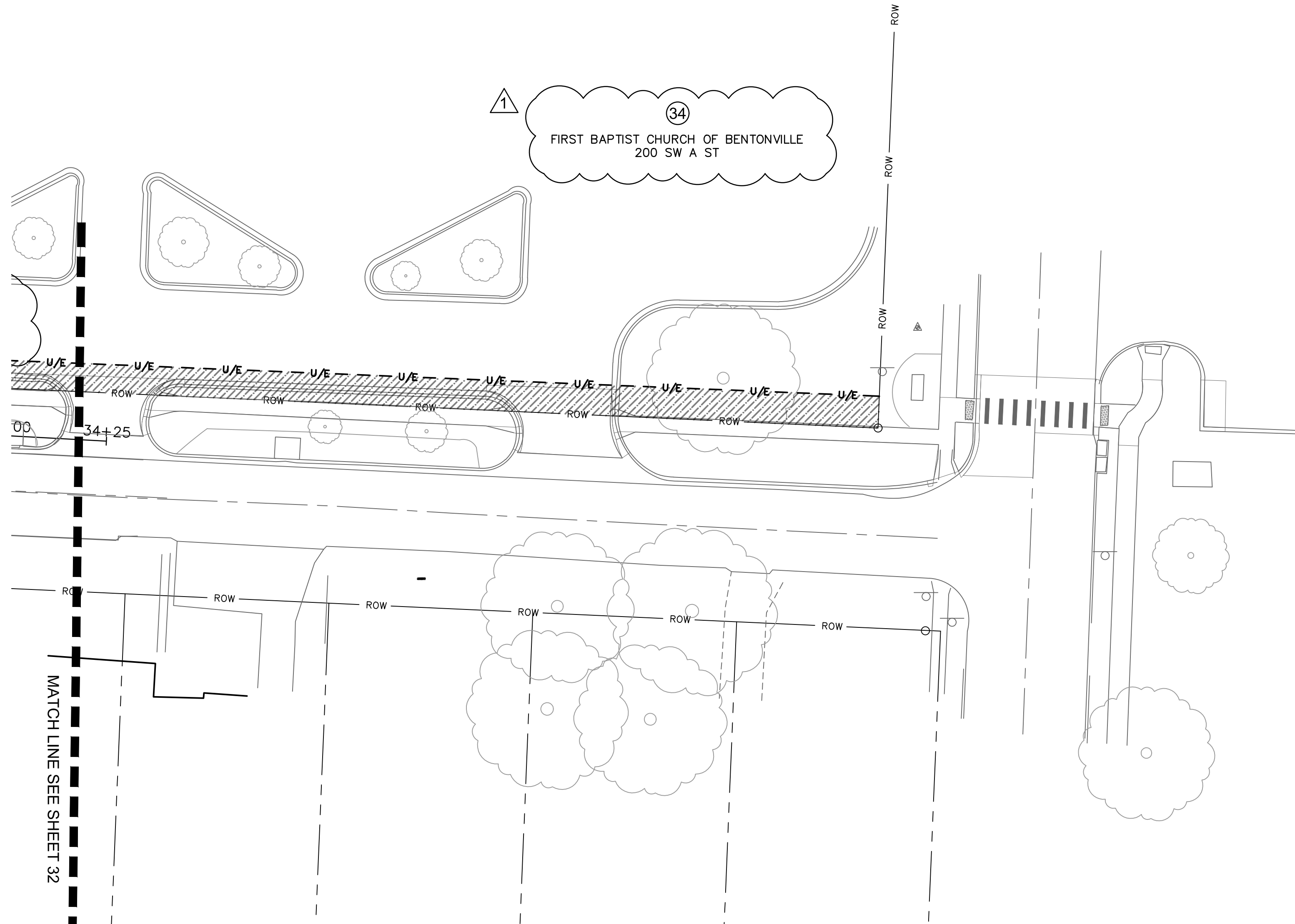
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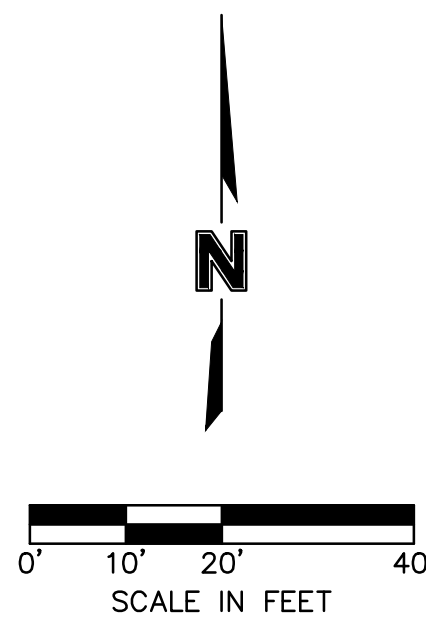
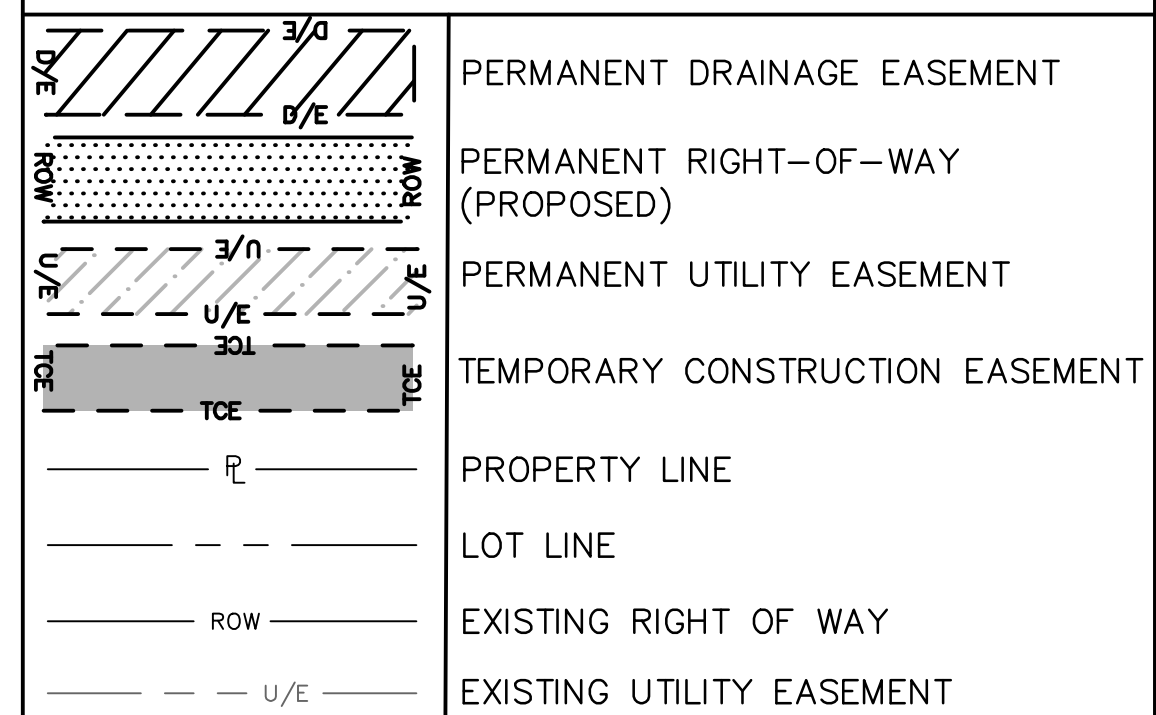
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 DATE: Nov 01, 2023 11:16am
 USER: eshnelton
 W_PESWT_G2104210 20-044 edg base W_XTOPO_G2104210



ABREVIATIONS

<i>D/E</i>	EXISTING DRAINAGE EASEMENT
<i>TRAIL/E</i>	EXISTING TRAIL EASEMENT
<i>ACCESS/E</i>	EXISTING ACCESS EASEMENT
<i>SWB/E</i>	EXISTING SOUTH WESTERN BELL EASEMENT

LEGEND



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REV. NO.	DATE	REVISIONS DESCRIPTION	BY
1	10/31/2023	Miscellaneous updates	EMPS
2023			REVISIONS

RIGHT OF WAY EASEMENT PLAN

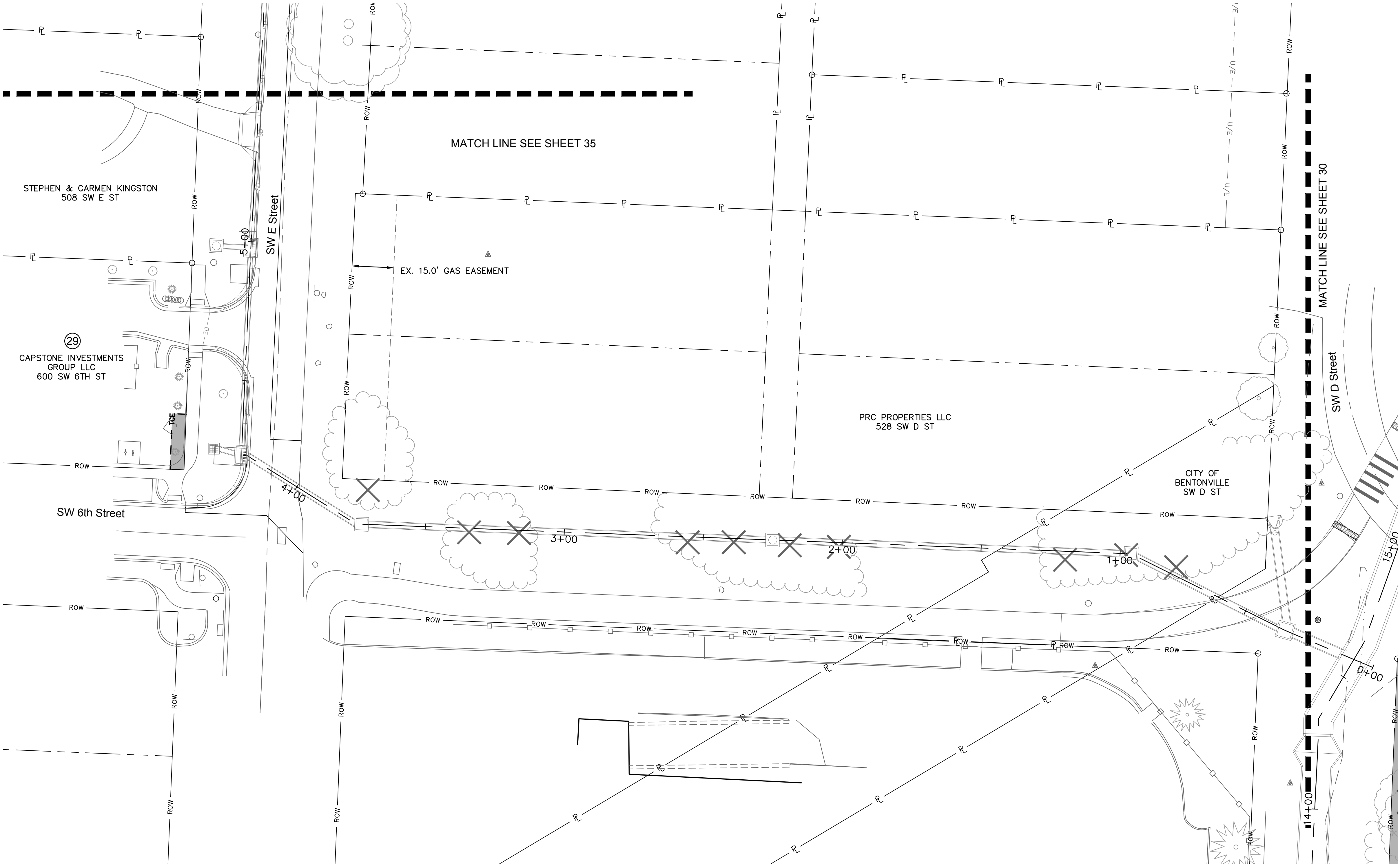
SW 10TH STREET & SW F STREET
STORMWATER IMPROVEMENTS

BENTONVILLE, AR

drawn by: _____ KTF
checked by: _____ JDA
approved by: _____ EJS
QA/QC by: _____ EJS
project no.: _____ 021-04210-G
drawing no. W ROW01 G2104210
date: _____ 09.13.2023

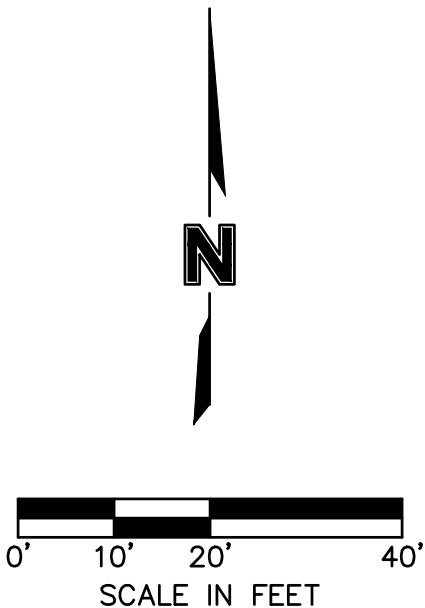
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33 of 71

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USER: nmcnad



- ABBREVIATIONS**
- D/E EXISTING DRAINAGE EASEMENT
 - TRAIL/E EXISTING TRAIL EASEMENT
 - ACCESS/E EXISTING ACCESS EASEMENT
 - SWE/E EXISTING SOUTH WESTERN BELL EASEMENT

LEGEND	
	PERMANENT DRAINAGE EASEMENT
	PERMANENT RIGHT-OF-WAY (PROPOSED)
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	PROPERTY LINE
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	EXISTING UTILITY EASEMENT



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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
NO. 19111
ERIC JOSEPH SELTZER

BY
DATE
REV. NO.
REVISIONS

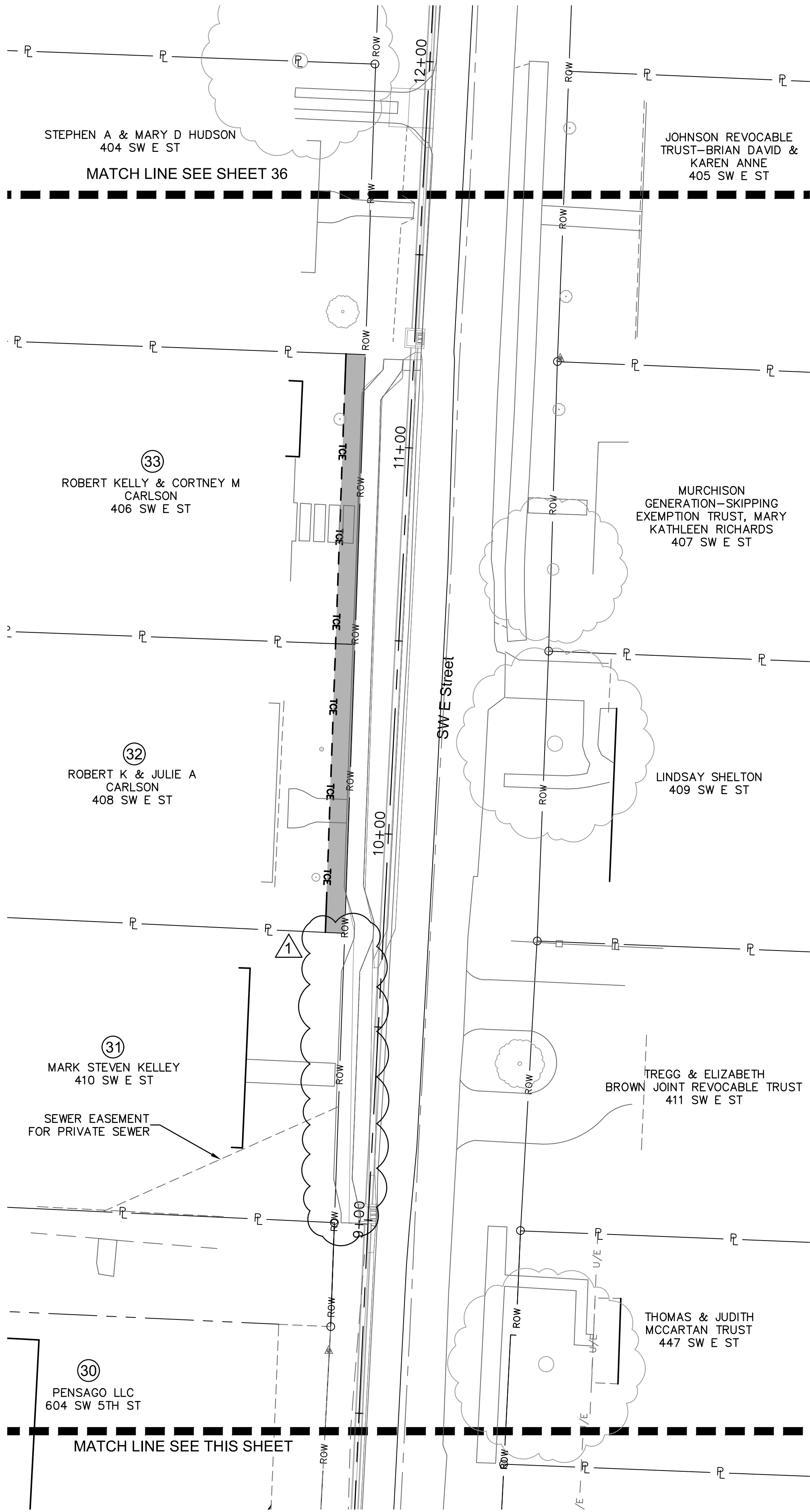
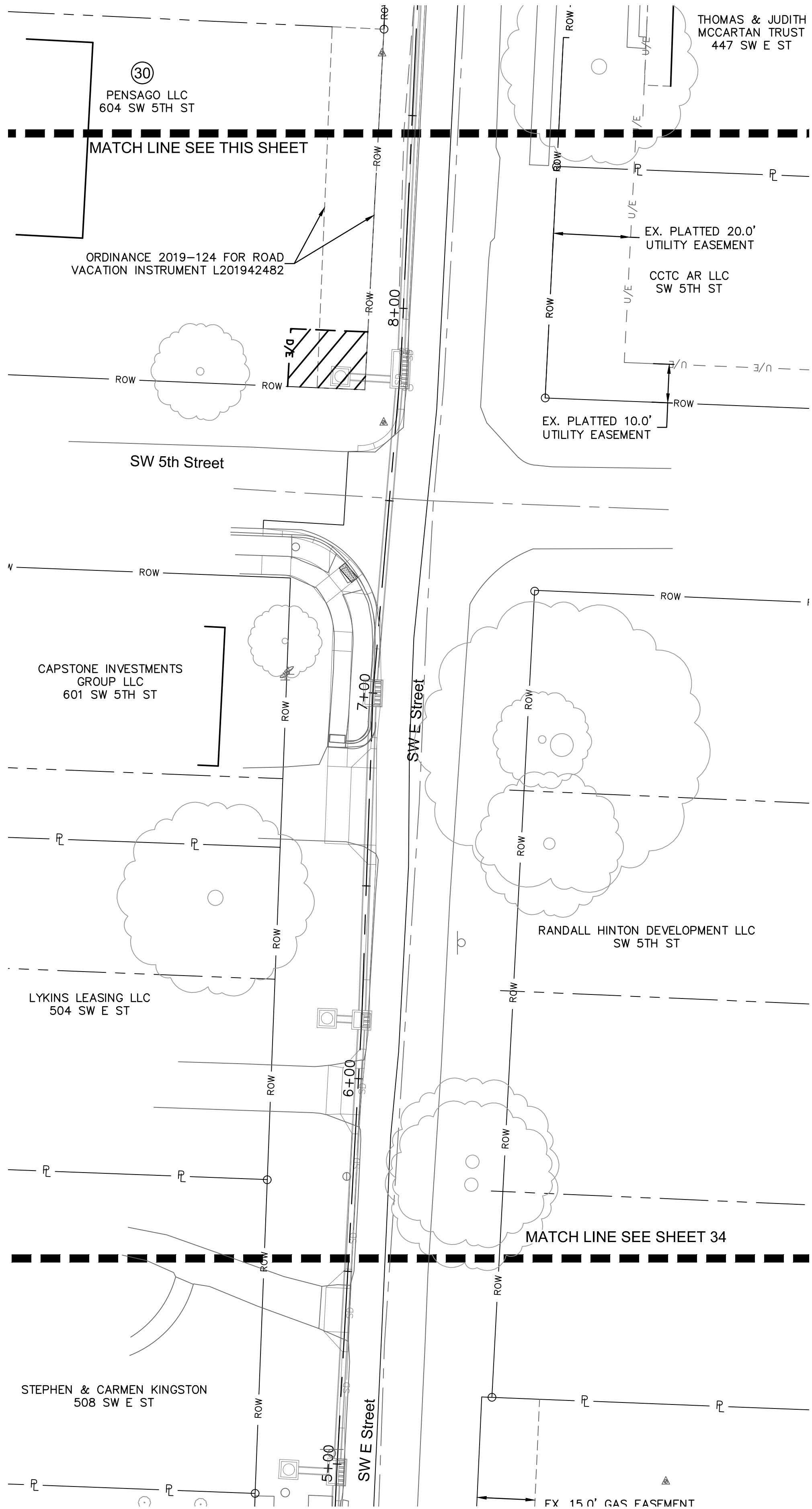
RIGHT OF WAY EASEMENT PLAN
SW 10TH STREET & SW F STREET
STORMWATER IMPROVEMENTS
BENTONVILLE, AR
2023

drawn by: KTE
checked by: JDA
approved by: EJS
QA/QC by: EJS
project no.: 021-04210-G
drawing no. W_ROW01_G2104210
date: 09.13.2023

SHEET
34 of 71

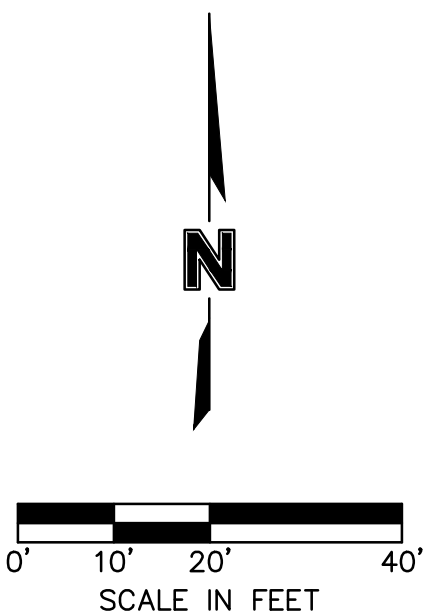
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USER: eshelton
20-044 edg base



LEGEND	
	PERMANENT DRAINAGE EASEMENT
	PERMANENT RIGHT-OF-WAY (PROPOSED)
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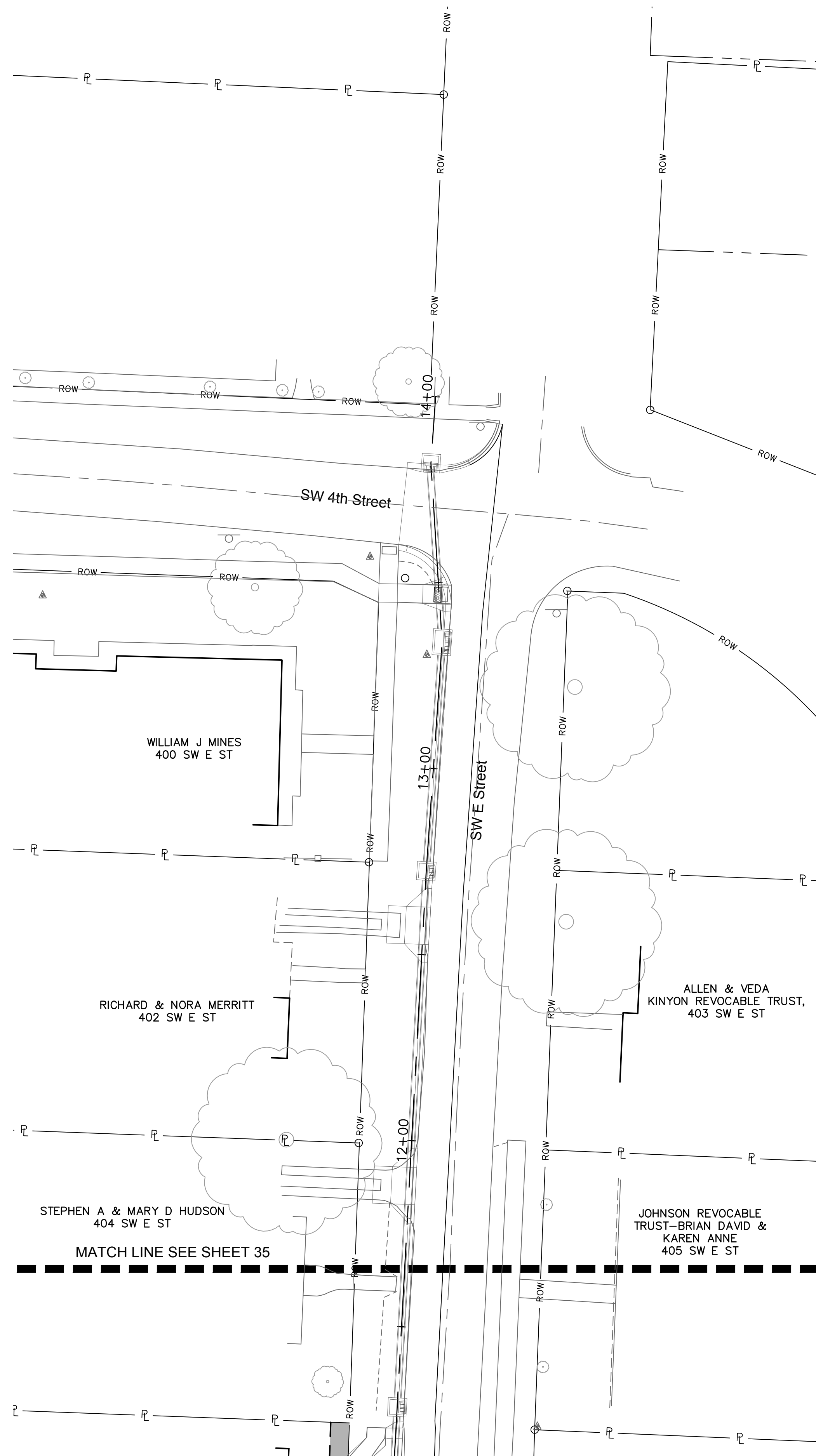


REVISIONS	
REV. NO.	DESCRIPTION
1	Miscellaneous updates

RIGHT OF WAY EASEMENT PLAN	
SW 10TH STREET & SW F STREET STORMWATER IMPROVEMENTS	
BENTONVILLE, AR	
2023	

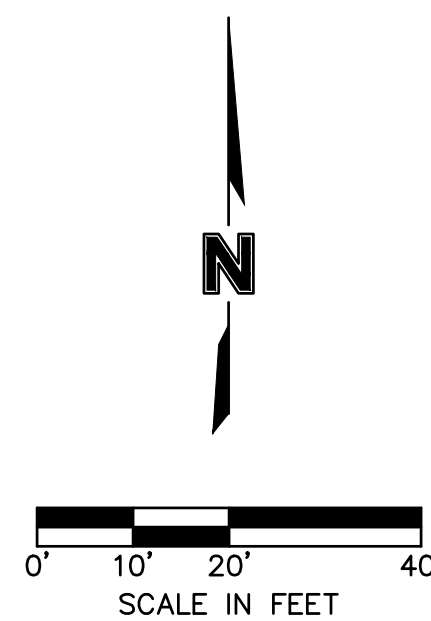
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checked by: JDA
approved by: EJS
QA/QC by: EJS
project no.: 021-04210-G
drawing no. W_ROW01_G2104210
date: 09.13.2023

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USER: nmnced W_XTOPO_G2104210 20-044 edg base



LEGEND	
	PERMANENT DRAINAGE EASEMENT
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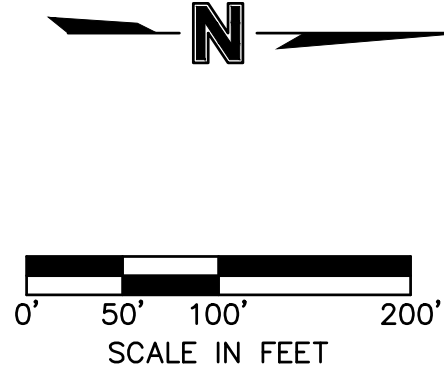
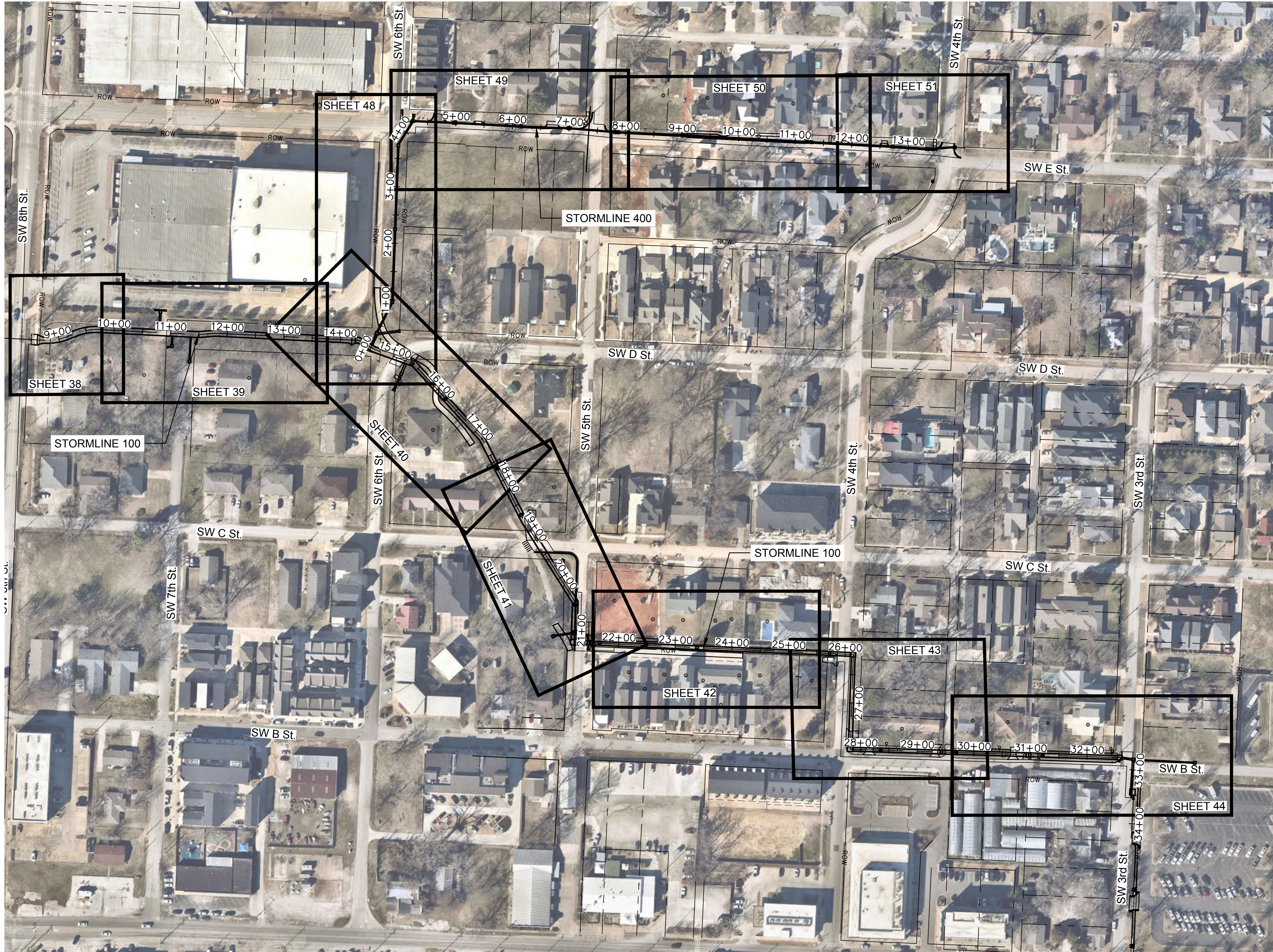
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RIGHT OF WAY EASEMENT PLAN	
SW 10TH STREET & SW F STREET STORMWATER IMPROVEMENTS	
BENTONVILLE, AR	2023

drawn by: _____ KTF
checked by: _____ JDA
approved by: _____ EJS
QA/QC by: _____ EJS
project no.: _____ 021-04210-G
drawing no.W ROW01 G2104210
date: _____ 09.13.2023

SHEET
36 of 71

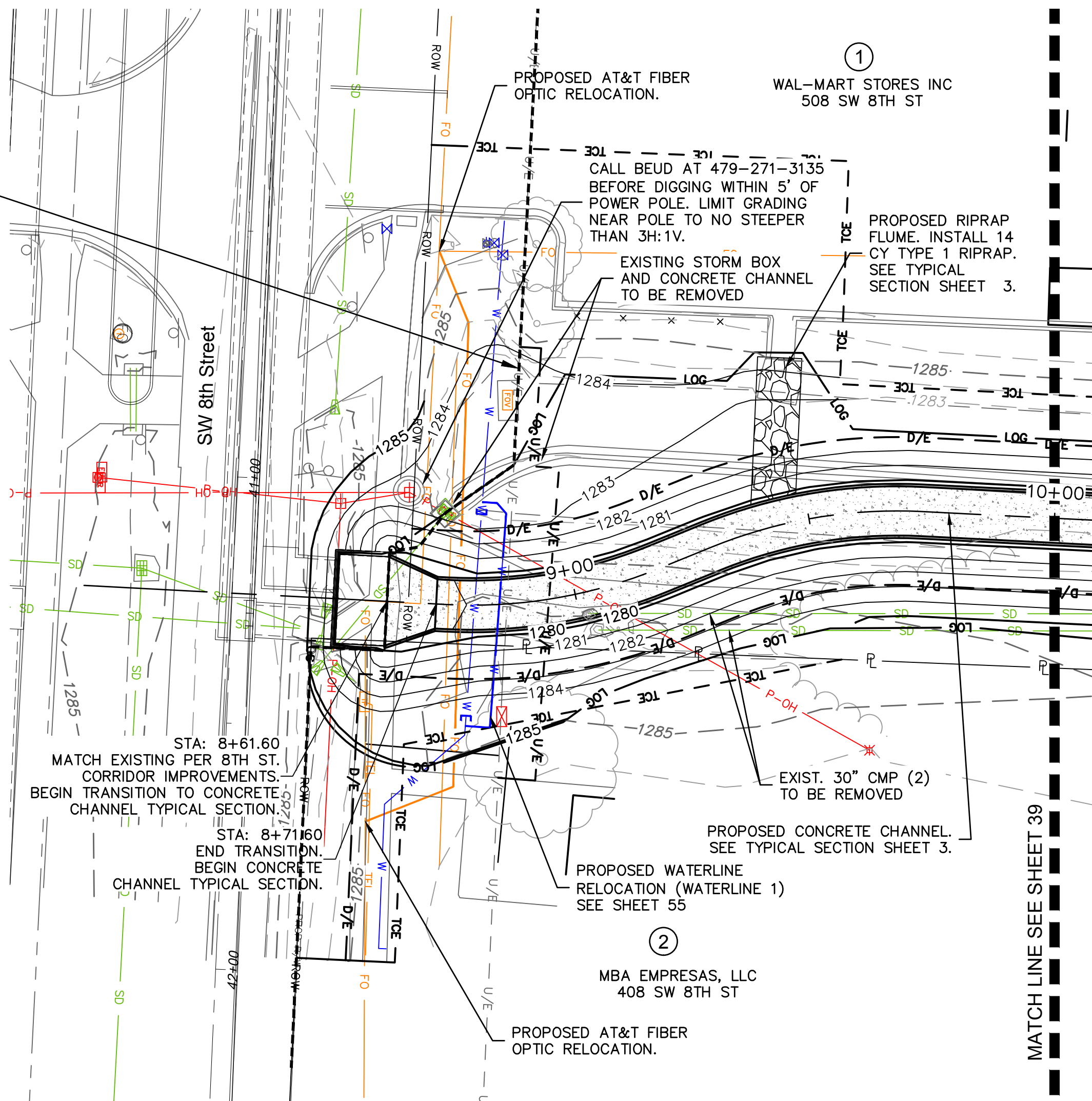
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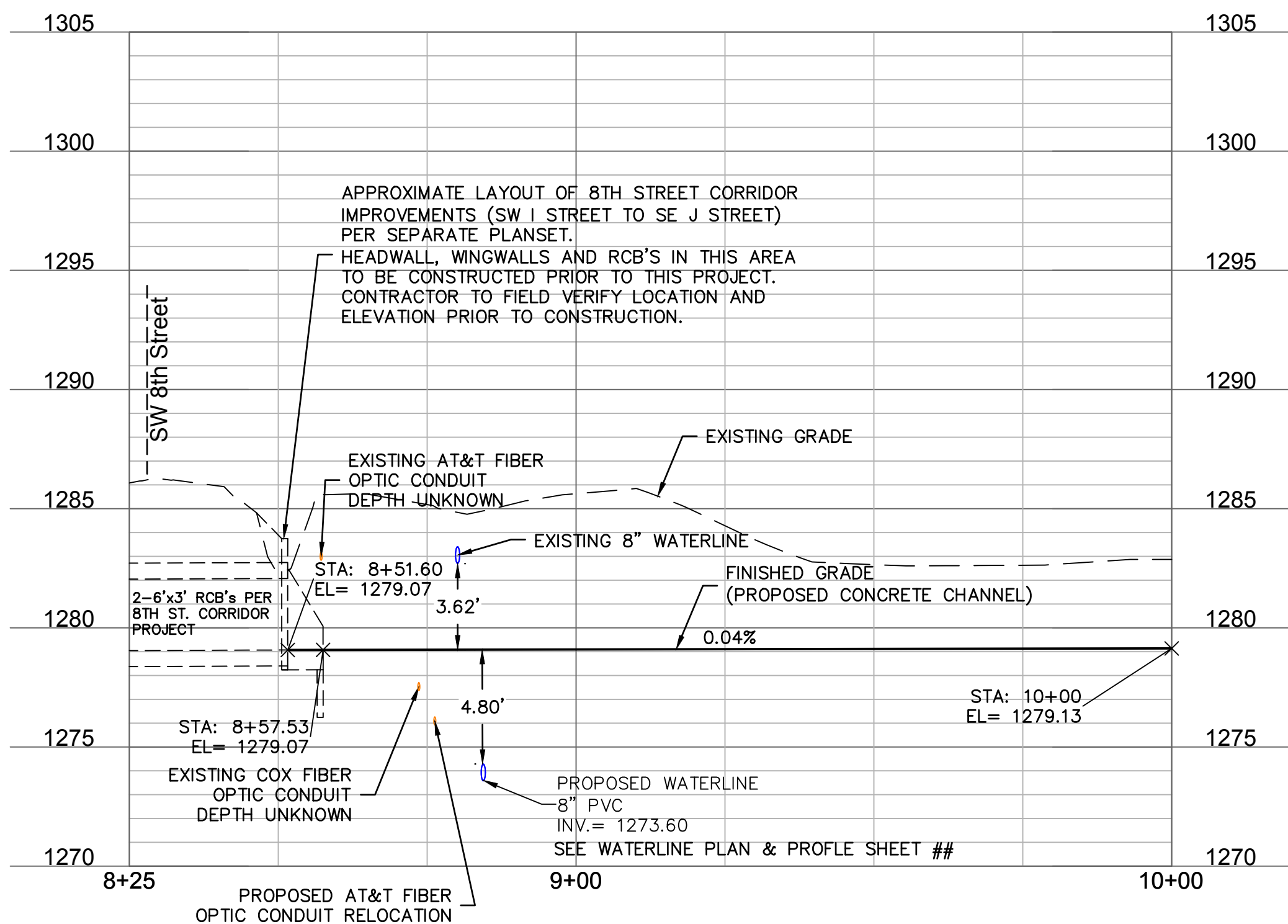
drawn by: _____ KTF checked by: _____ JDA approved by: _____ EJS QA/QC by: _____ EJS project no.: _____ 021-04210-G drawing no.: <u>W_GEN01_G2104210</u> date: _____ 09.13.2023 302 East Millsap Road Fayetteville, AR 72703 TEL 479.443.3404 www.olsson.com				www.olsson.com TEL 479.443.3404 302 East Millsap Road Fayetteville, AR 72703		olsson	
STORM SEWER GENERAL LAYOUT	SW 10TH STREET & SW F STREET STORMWATER IMPROVEMENTS	BENTONVILLE, AR	2023	REV. NO.	DATE	REVISIONS DESCRIPTION	BY
				REVISIONS			
SHEET							
37 of 71							

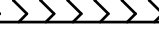
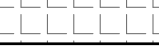
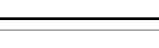
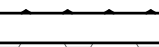
END 8TH STREET CORRIDOR PROJECT: START OF
SW 10TH AND F STORMWATER IMPROVEMENTS

NOTE:
APPROXIMATE LIMITS OF 8TH STREET CORRIDOR
IMPROVEMENTS (SW I STREET TO SE J STREET) PER COB
PROJECT #P120-00017 ARE SHOWN. THE 8TH STREET
PROJECT (COMPLETED BY OTHERS) SHALL CONSTRUCT THE
HEADWALL AND CULVERT DOWNSTREAM OF STA 8+61.60
AND PERFORM MINIMAL GRADING TO TRANSITION EXISTING
CONCRETE CHANNEL TO APRON ELEVATION OF BOX
CULVERT. THIS PROJECT ASSUMES 8TH STREET CORRIDOR
WORK IS COMPLETED PRIOR TO PROJECT.



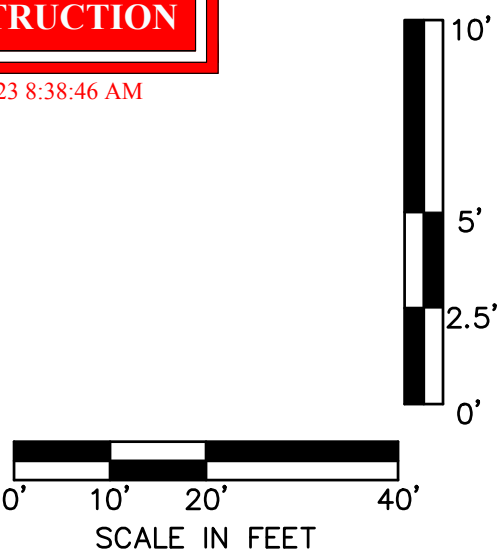
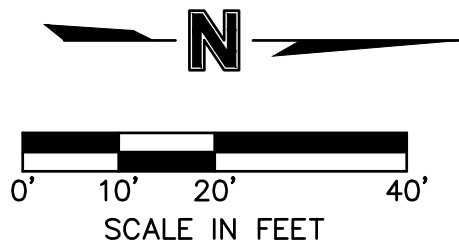
STORMLINE 100 (8+25 - 10+00)



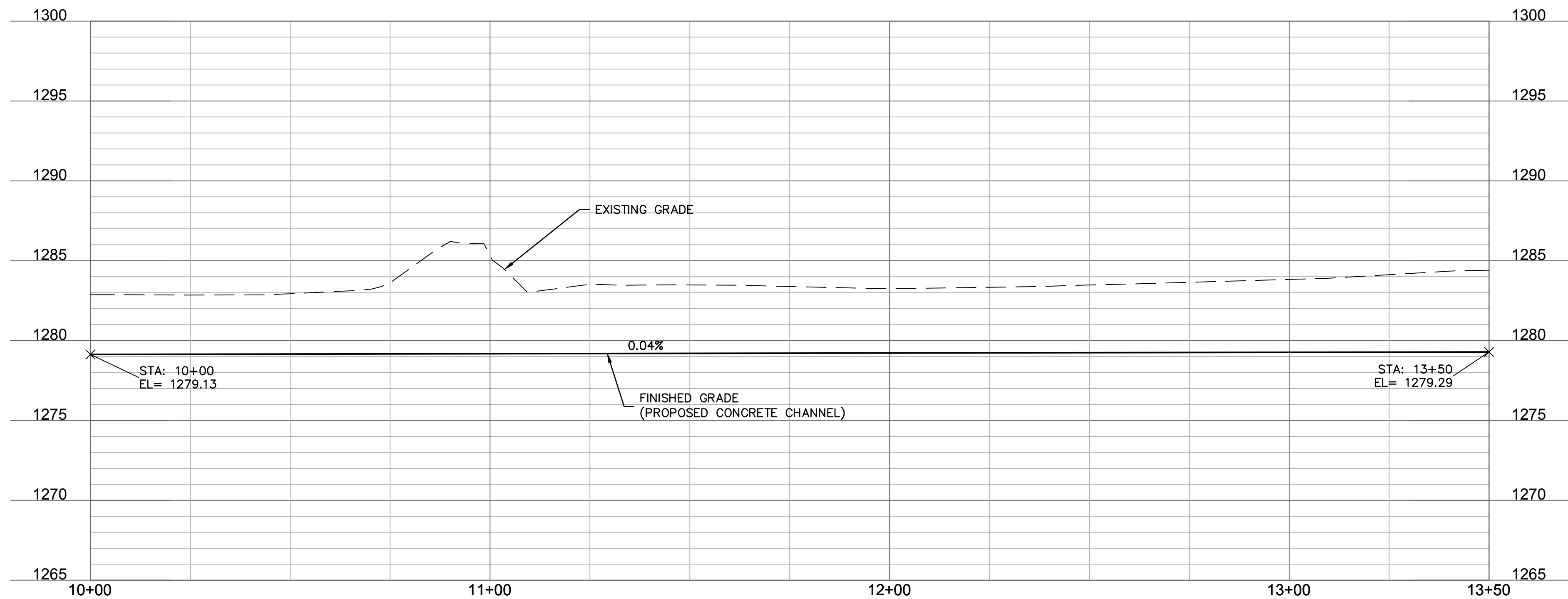
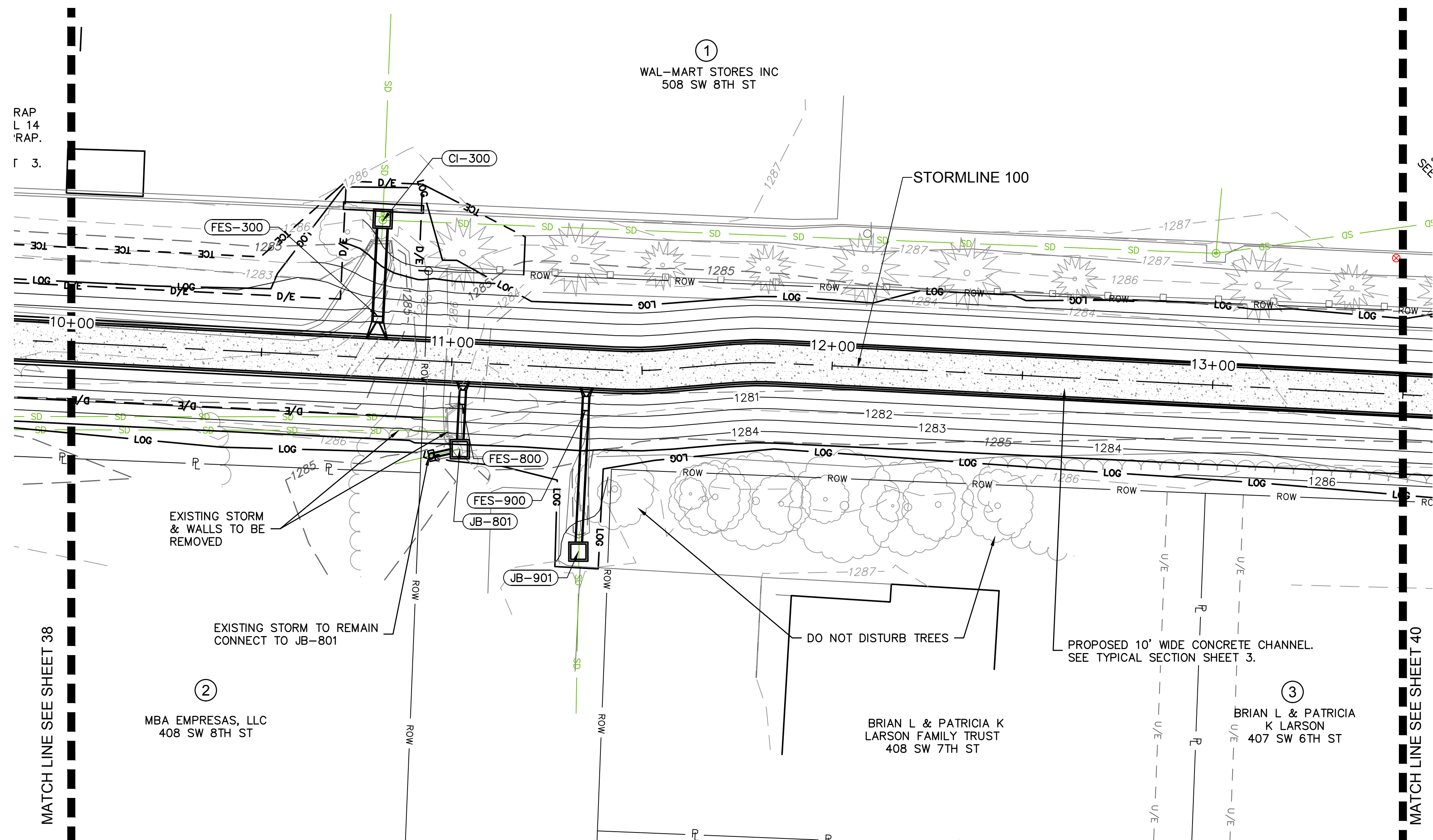
	LIMITS OF GRADING
	ASPHALT STREET
	ASPHALT PAVEMENT REPAIR
	BRICK
	COMMERCIAL DRIVEWAY
	CONCRETE CHANNEL
	CONCRETE STREET
	CONCRETE TRAIL
	GRAVEL (CLASS 8 AGGREGATE BASE COURSE)
	RESIDENTIAL DRIVEWAY
	SIDEWALK
	PROPOSED TEMPORARY CONSTRUCTION EASEMENT
	PROPOSED PERMANENT DRAINAGE EASEMENT
	PROPOSED UTILITY EASEMENT
	EXISTING UTILITY EASEMENT

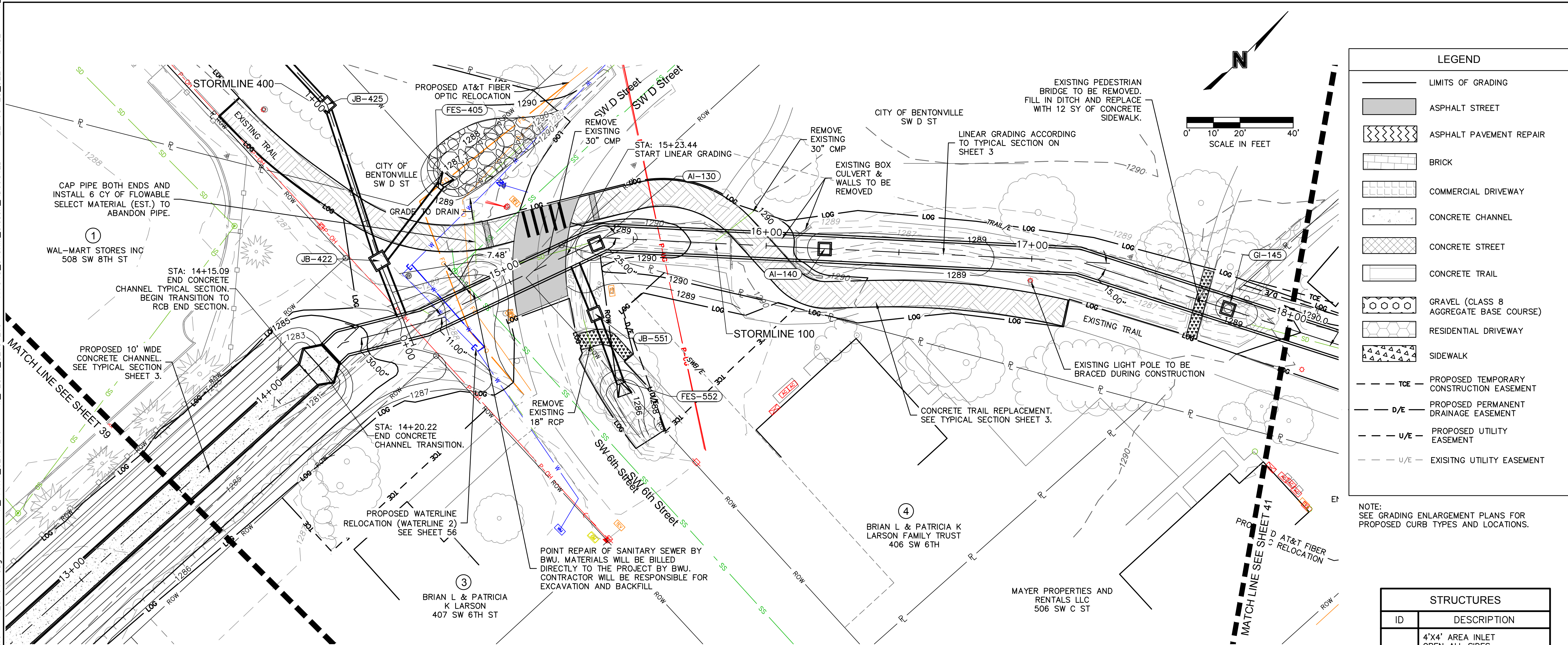
NOTE:
SEE GRADING ENLARGEMENT PLANS FOR
PROPOSED CURB TYPES AND LOCATIONS.

SUMMARY OF HARDSCAPE			
	ITEM	UNIT	QUANTITY
1	10 FOOT CONCRETE CHANNEL WITH CURB	SY	176

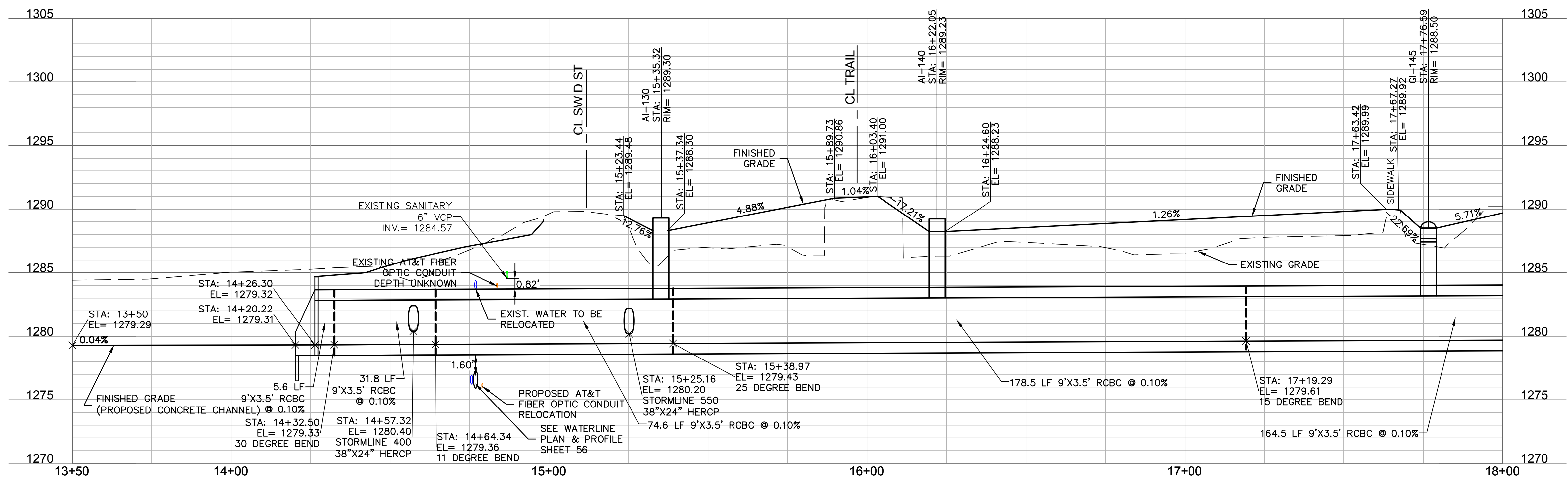


drawn by: _____ KTF checked by: _____ JDA approved by: _____ EJS QA/QC by: _____ EJS project no.: _____ 021-04210-G drawing no.: -W STM01 G2104210 date: _____ 09.13.2023 SHEET 38 of 71		PLAN & PROFILE - STORMLINE 100 SW 10TH STREET & SW F STREET STORMWATER IMPROVEMENTS 2023		REV. NO. DATE REVISIONS DESCRIPTION		BY REVISIONS						302 East Millisap Road Fayetteville, AR 72703 TEL 479.443.3404 www.olsson.com	
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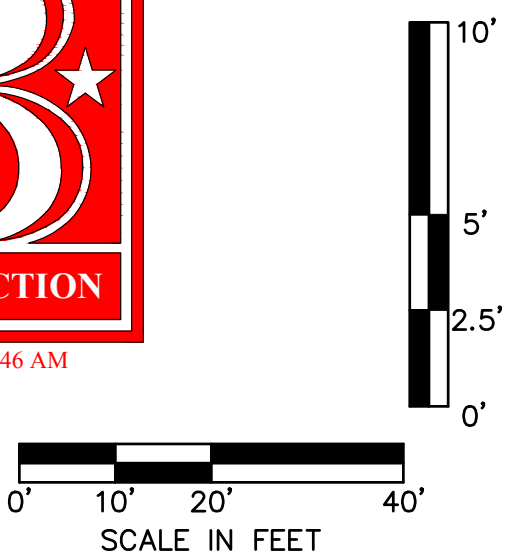


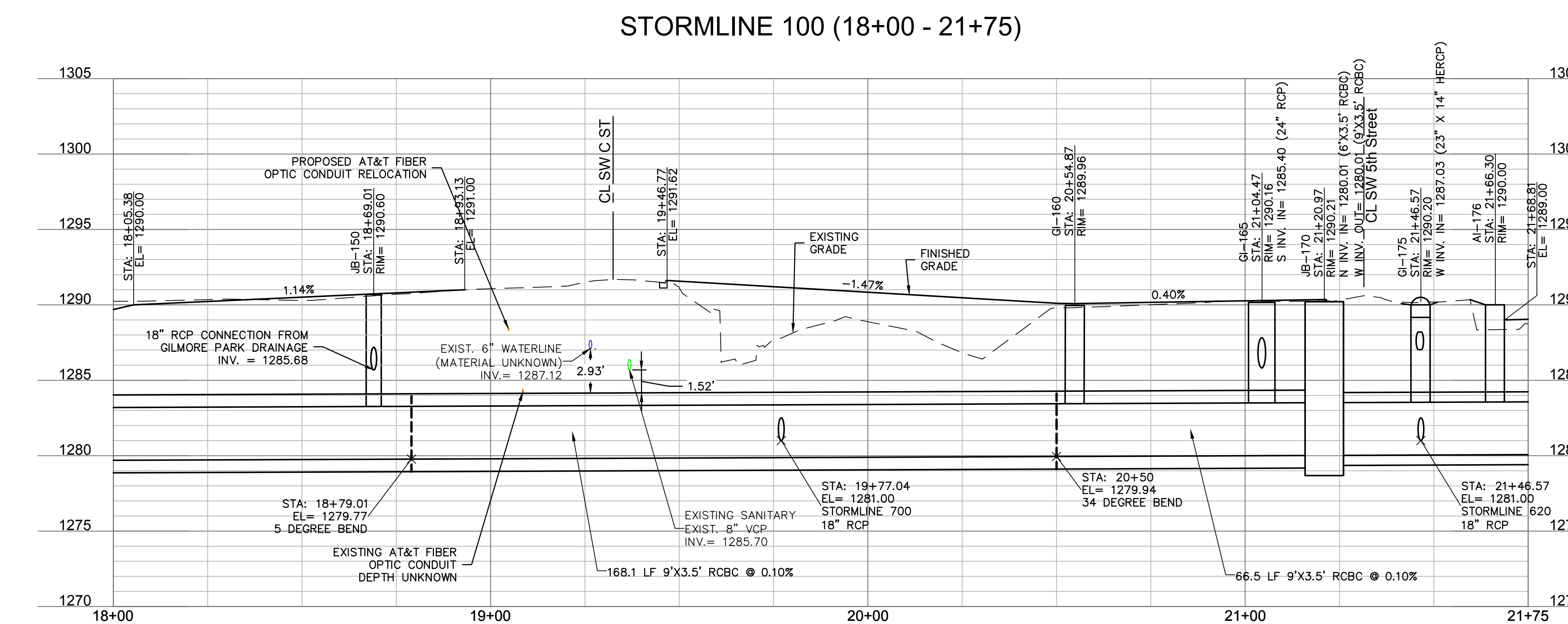
STORMLINE 100 (13+50 - 18+00)



STRUCTURES	
ID	DESCRIPTION
AI-130	4'X4' AREA INLET OPEN ALL SIDES 15+35.32, 0.80' RT STORMLINE 100
AI-140	4'X4' AREA INLET OPEN ALL SIDES 16+22.05, 0.12' RT STORMLINE 100
GI-145	4'X4' GRATE INLET (NEENAH R-2560-E2 GRATE) 17+76.59, -0.15' LT STORMLINE 100

SUMMARY OF HARDSCAPE			
	ITEM	UNIT	QUANTITY
1	ASPHALT STREET	SY	85
2	CONCRETE TRAIL	SY	360
3	SIDEWALK	SY	24
4	10 FOOT CONCRETE CHANNEL WITH CURB	SY	96





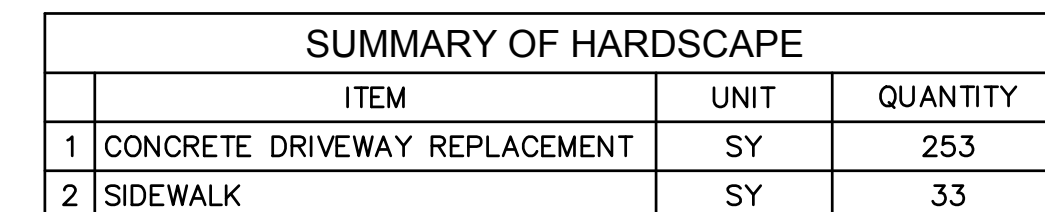
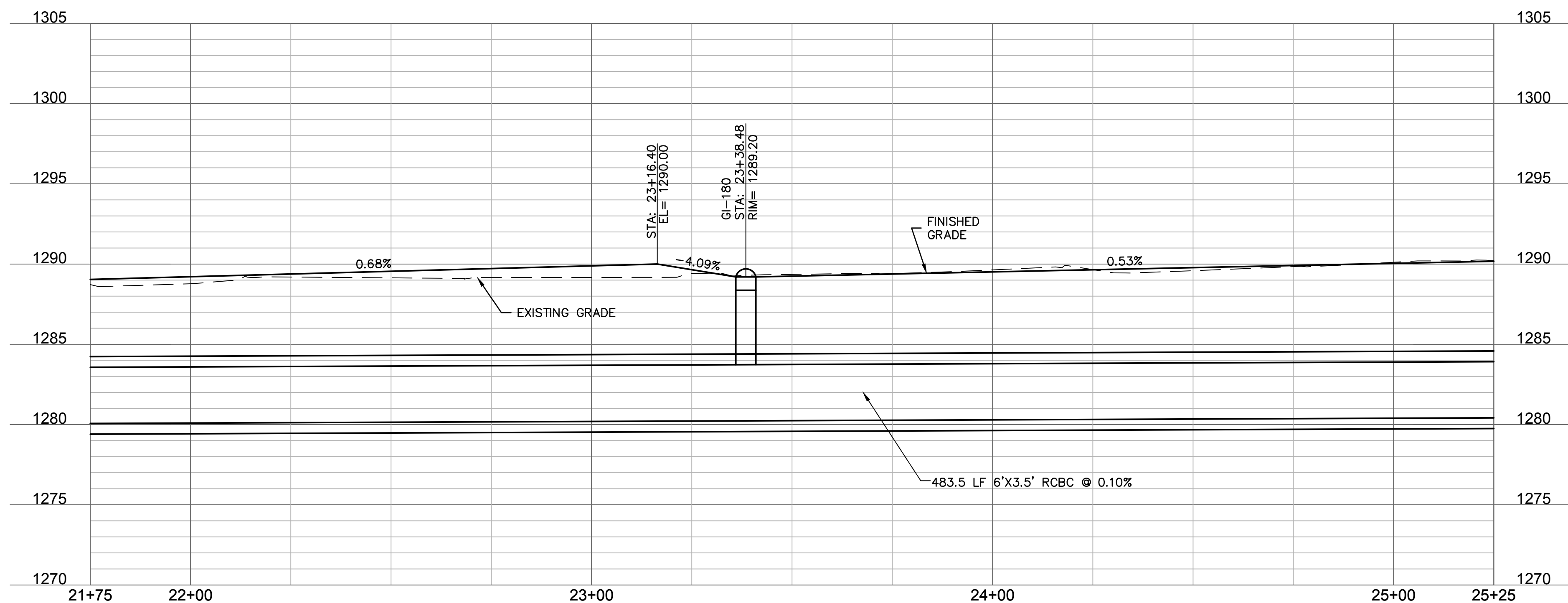
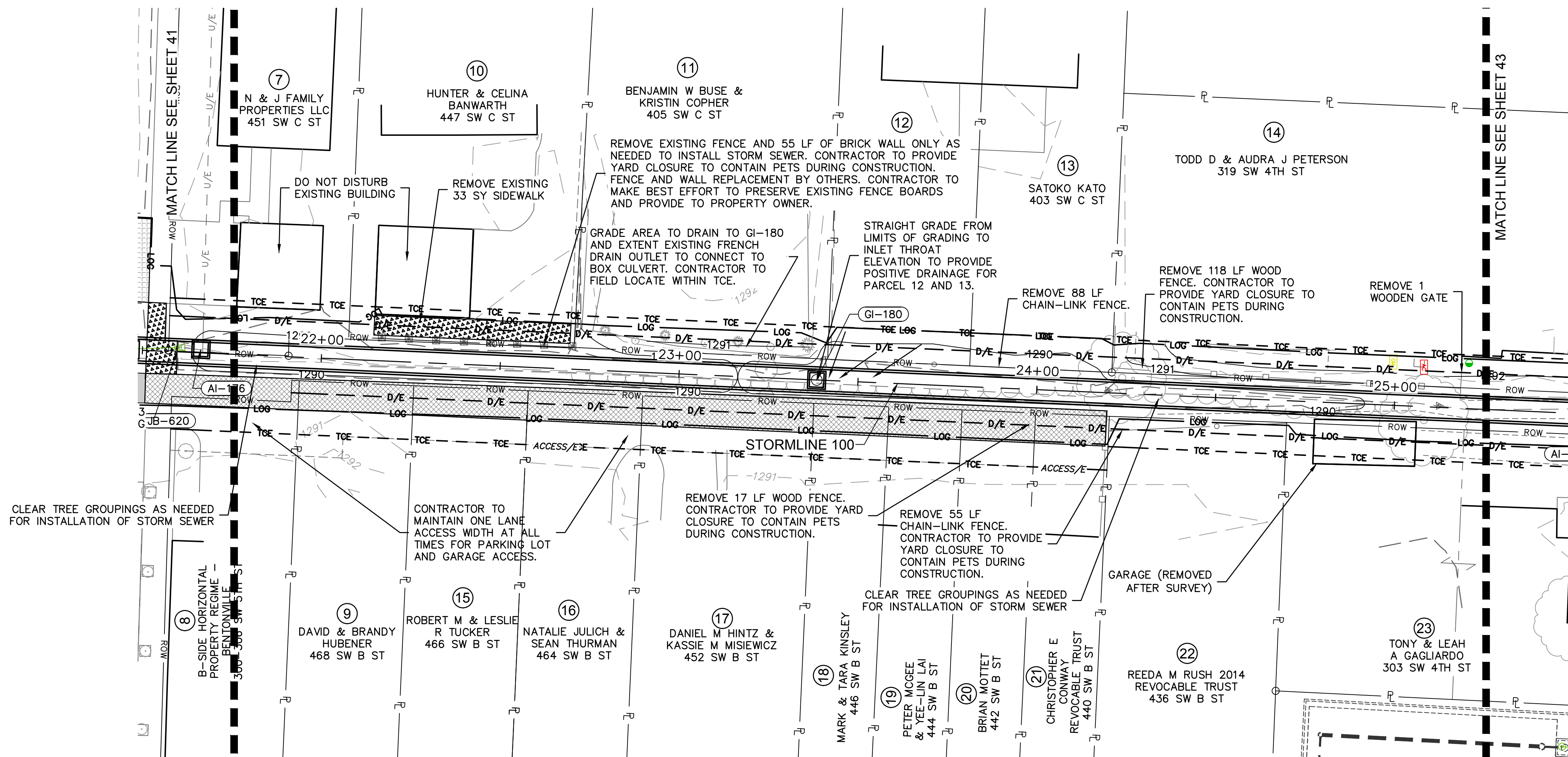
		SURFACE
5	1	ASPHALT STREET
	2	ASPHALT PAVEMENT
	3	COMMERCIAL DRIVE
0	4	CONCRETE STREET
	5	CONCRETE TRAIL
	6	SIDEWALK

NOTE: CONTRACTOR TO COORDINATE SCHEDULE WITH CITY PRIOR TO DEMOLITION OF ANY EXISTING FENCES, PAVEMENT, OR OTHER PERSONAL PROPERTY LOCATED BETWEEN STATION 21+60 AND 26+00. 30 DAYS WRITTEN NOTICE WILL BE REQUIRED PRIOR TO DISTURBANCE OF THIS AREA. ONCE WORK COMMENCES IN THIS AREA, CONTRACTOR IS REQUIRED TO MEET THE SCHEDULE/TIMELINE REQUIREMENTS OF JSP 1001-09. WORK SHOULD START PROMPTLY, 30 DAYS AFTER NOTICE IS GIVEN AND PROGRESS CONTINUOUSLY UNTIL WORK IS COMPLETED IN THE STATION RANGE.

11/28/2023 8:38:47 AM

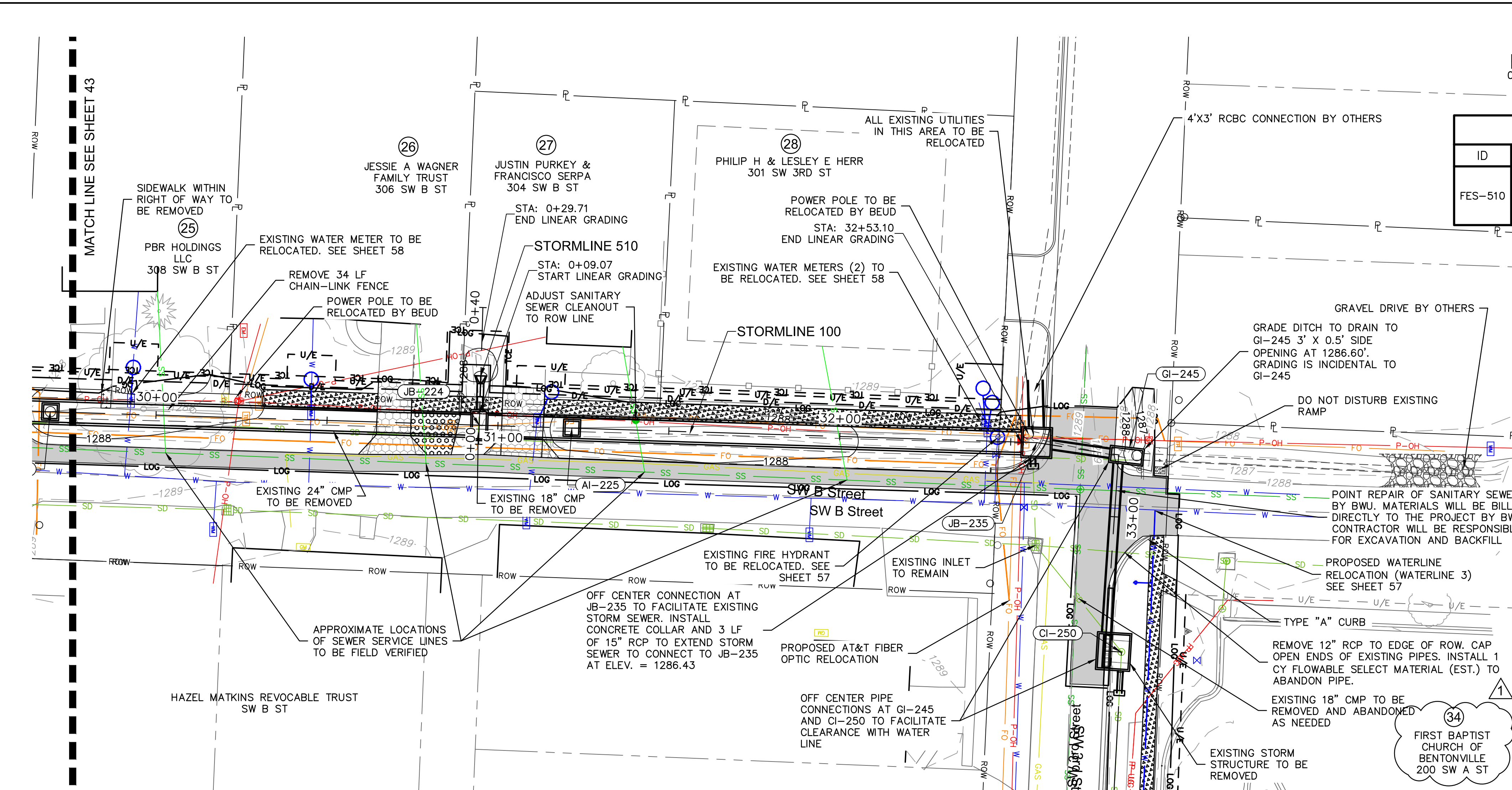


NOTE: CONTRACTOR SHALL MAINTAIN PRIVATE ACCESS TO PARKING LOT AND GARAGES NORTH OF SW 5TH STREET. CONTRACTOR MAY LIMIT THE DURATION OF CLOSURE TO A FEW HOURS IF CLOSURE IS ABSOLUTELY NECESSARY. REFER TO JSP 1001-10.

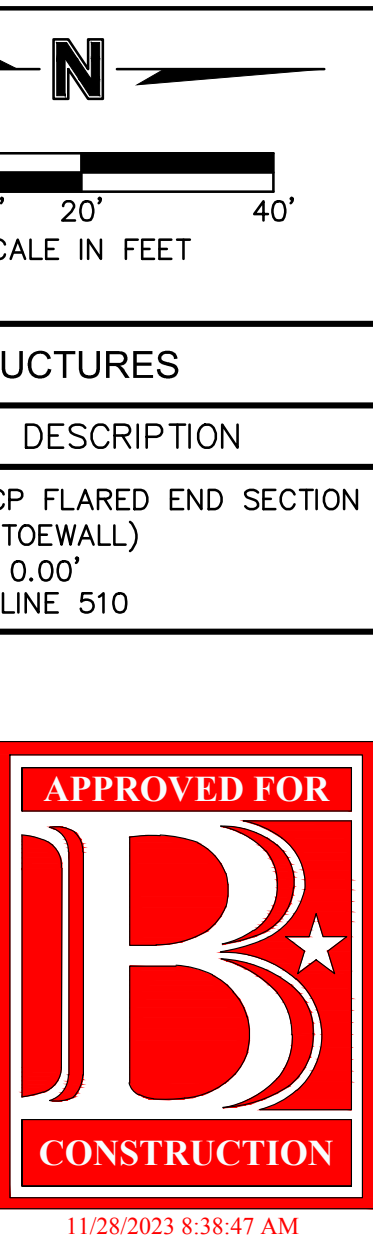
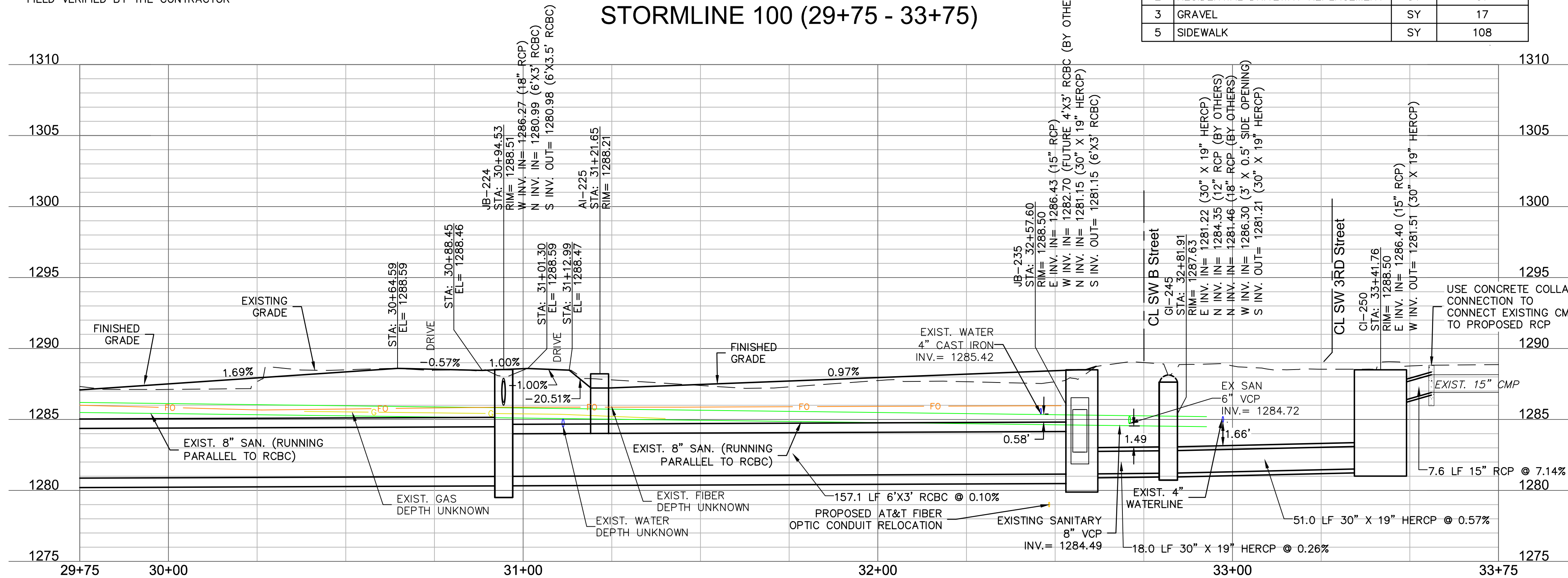


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NOTE: EXACT LOCATIONS OF SERVICE LINES FOR WATER, SEWER, GAS, AND OTHER UTILITIES ARE UNKNOWN. APPROXIMATE LOCATIONS PROVIDED ARE BASED AS BEST AVAILABLE INFORMATION AND SHOULD BE FIELD VERIFIED BY THE CONTRACTOR



LEGEND	
	LIMITS OF GRADING
	ASPHALT STREET
	ASPHALT PAVEMENT REPAIR
	BRICK
	COMMERCIAL DRIVEWAY
	CONCRETE CHANNEL
	CONCRETE STREET
	CONCRETE TRAIL
	GRAVEL (CLASS 8 AGGREGATE BASE COURSE)
	RESIDENTIAL DRIVEWAY
	SIDEWALK
	PROPOSED TEMPORARY CONSTRUCTION EASEMENT
	PROPOSED PERMANENT DRAINAGE EASEMENT
	PROPOSED UTILITY EASEMENT
	EXISTING UTILITY EASEMENT

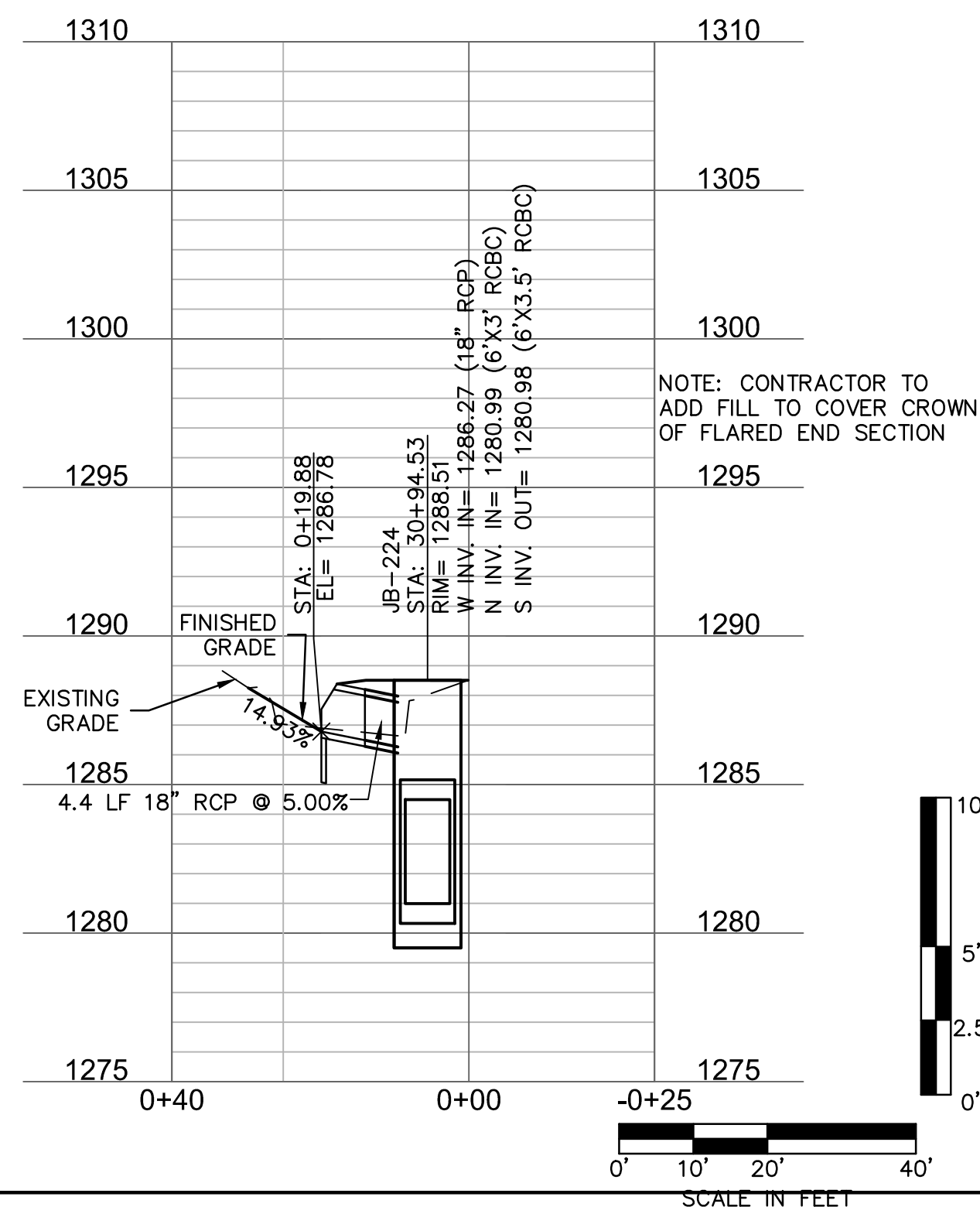
STRUCTURES	
ID	DESCRIPTION
FES-510	18" RCP FLARED END SECTION (WITH TOEWALL) 0+20, 0.00' STORMLINE 510

STRUCTURES	
ID	DESCRIPTION
AI-225	4'X4' AREA INLET (OPEN N, E & W) 31+21.65, -0.01' LT STORMLINE 100
CI-250	9' X 10' COMBINATION INLET (NEENAH R-3295-3L GRATE) 33+41.76, 0.00' STORMLINE 100
GI-245	9' X 4' GRATE INLET (NEENAH R-2560-E2 GRATE AND OPEN W) 32+81.91, -2.28' LT STORMLINE 100

STRUCTURES	
ID	DESCRIPTION
JB-224	4'X8' JUNCTION BOX 30+94.53, 0.00' STORMLINE 100
JB-235	8'X8' JUNCTION BOX WITH MANHOLE RISER 32+57.60, 0.00' STORMLINE 100

SUMMARY OF HARDSCAPE		
ITEM	UNIT	QUANTITY
1 ASPHALT STREET	SY	314
2 RESIDENTIAL DRIVEWAY REPLACEMENT	SY	57
3 GRAVEL	SY	17
5 SIDEWALK	SY	108

STORMLINE 510 (-0+25 - 0+40)



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REGISTERED PROFESSIONAL ENGINEER
NO. 19111
ERIC JOSEPH SHELTON

REV.	NO.	DATE	REVISIONS DESCRIPTION
1	10.31.2023	Miscellaneous updates	

PLAN & PROFILE - STORMLINES 100 & 510

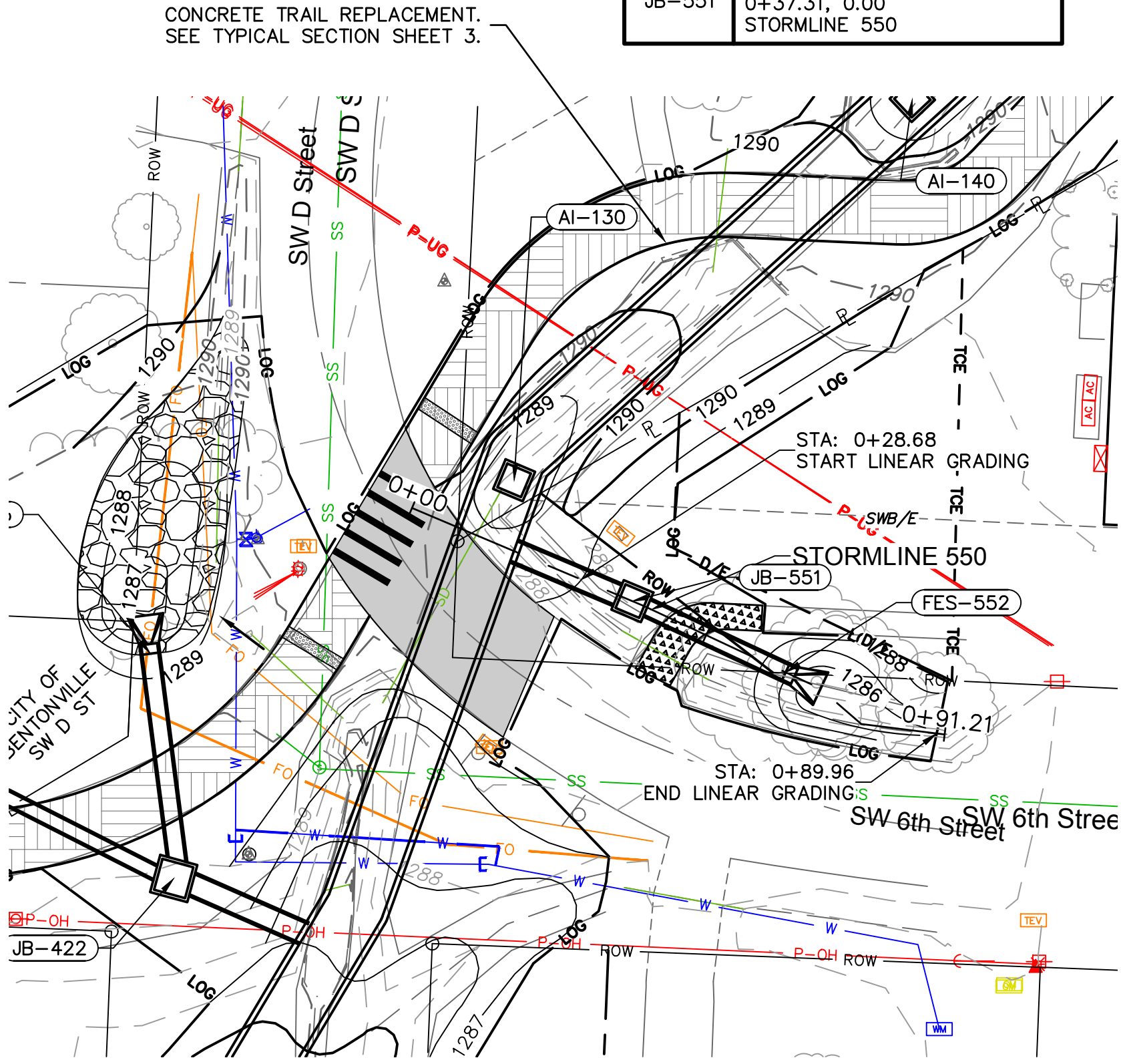
SW 10TH STREET & SW F STREET
STORMWATER IMPROVEMENTS

2023

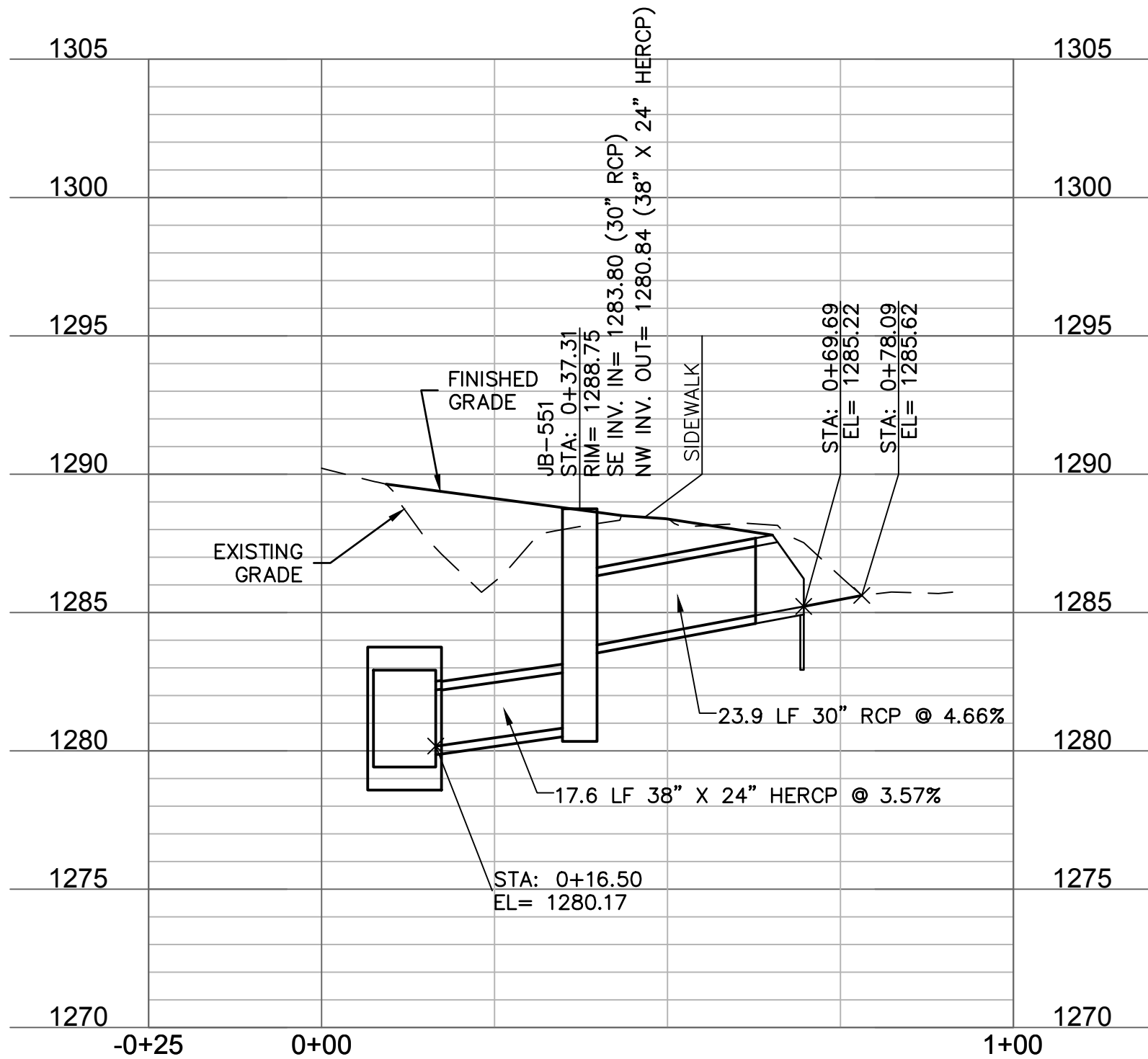
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checked by: JDA
approved by: EJS
QA/QC by: EJS
project no.: 021-04210-G
drawing no.: W_STM01_G2104210
date: 09.13.2023

SHEET
44 of 71

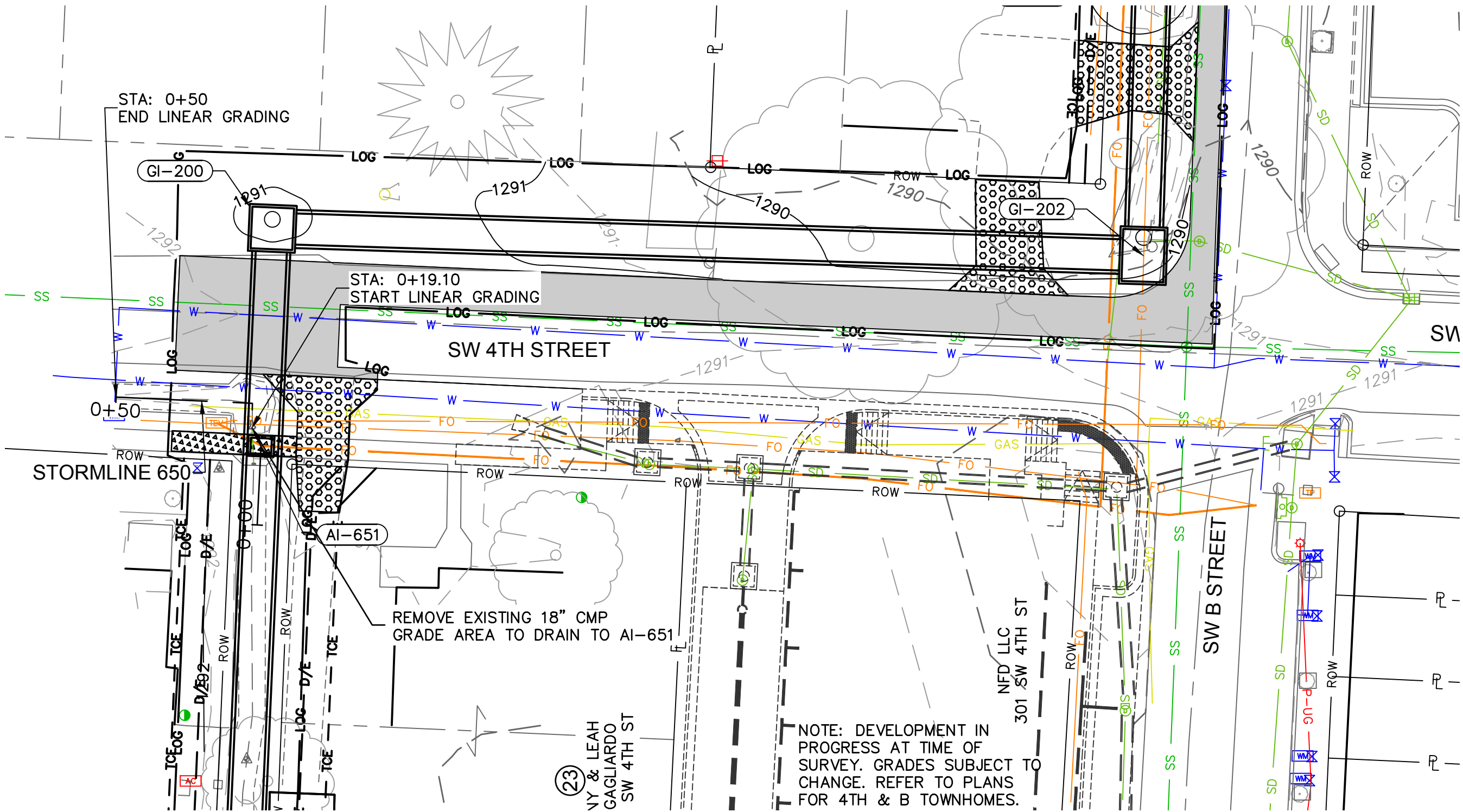
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ID	DESCRIPTION
FES-552	30" RCP FLARED END SECTION (WITH TOEWALL) 0+63.69, 0.00' STORMLINE 550
JB-551	4'X4' JUNCTION BOX 0+37.31, 0.00' STORMLINE 550



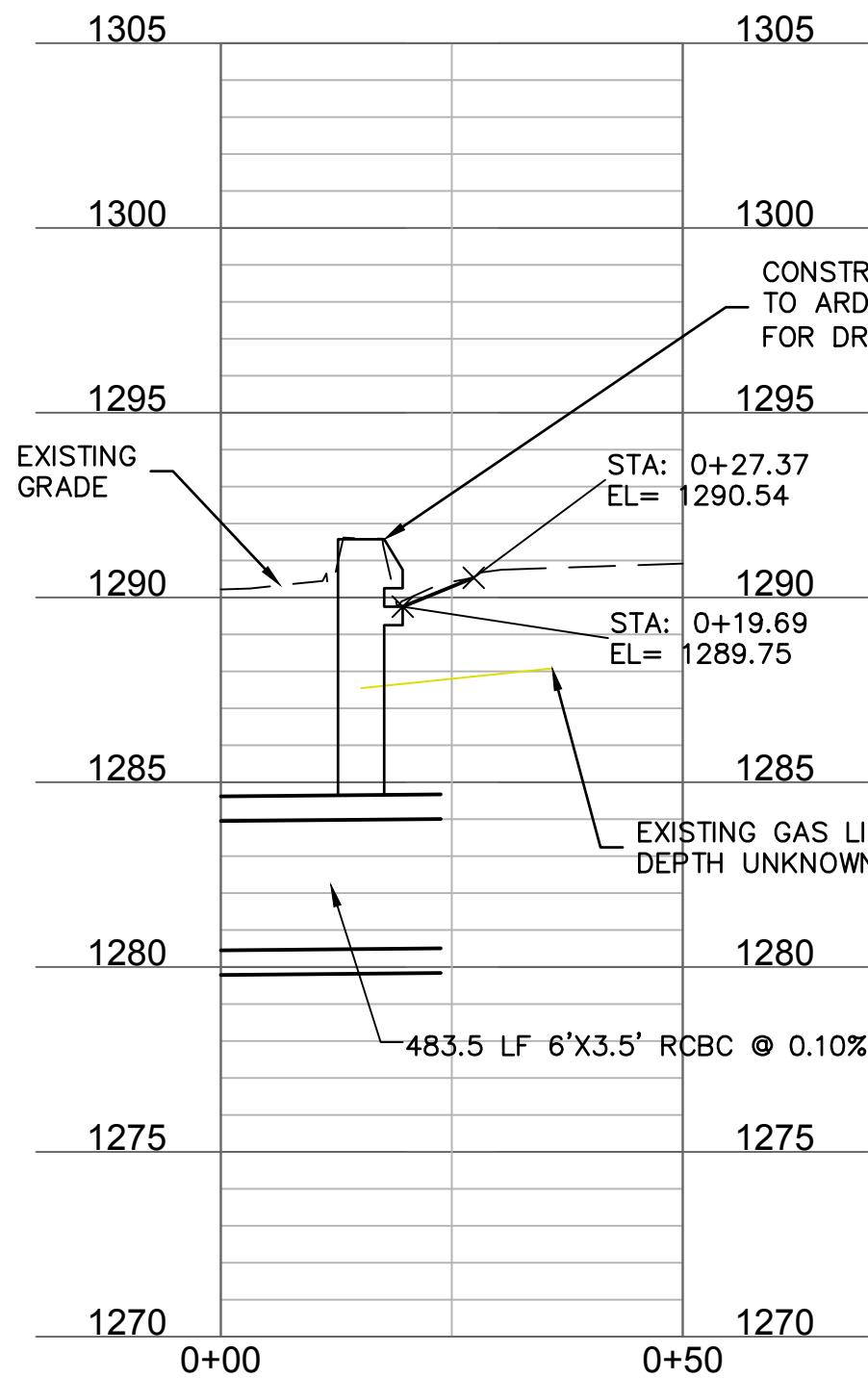
STORMLINE 550 (-0+25 - 1+00)



STRUCTURES	
ID	DESCRIPTION
AI-651	4' X 3' AREA INLET 25+72.61, -0.33' LT STORMLINE 100



STORMLINE 650 (0+00 - 0+50)

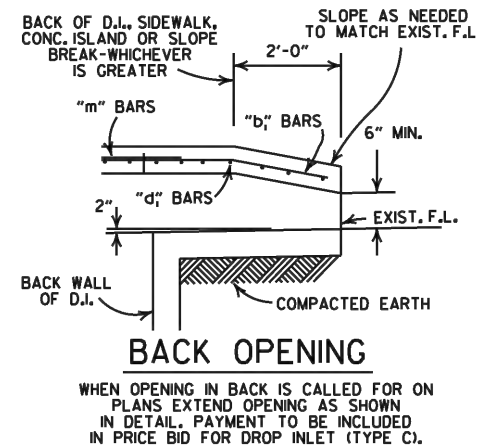


LEGEND	
	LIMITS OF GRADING
	ASPHALT STREET
	ASPHALT PAVEMENT REPAIR
	BRICK
	COMMERCIAL DRIVEWAY
	CONCRETE CHANNEL
	CONCRETE STREET
	CONCRETE TRAIL
	GRAVEL (CLASS 8 AGGREGATE BASE COURSE)
	RESIDENTIAL DRIVEWAY
	SIDEWALK
	PROPOSED TEMPORARY CONSTRUCTION EASEMENT
	PROPOSED PERMANENT DRAINAGE EASEMENT
	PROPOSED UTILITY EASEMENT
	EXISTING UTILITY EASEMENT

NOTE:
SEE GRADING ENLARGEMENT PLANS FOR
PROPOSED CURB TYPES AND LOCATIONS.



0' 10' 20' 40'
SCALE IN FEET



11/28/2023 8:38:47 AM



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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
NO. 19111
ERIC JOSEPH SHELTON

BY

REVISIONS DESCRIPTION

DATE

REV. NO.

2023

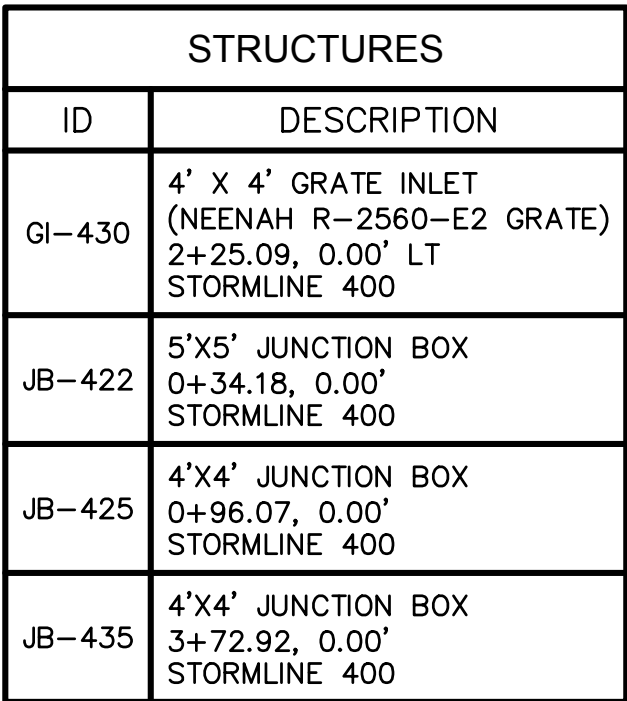
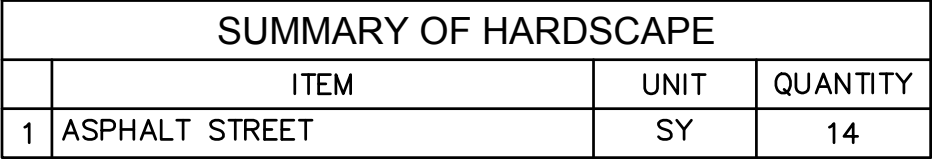
PLAN & PROFILE - STORMLINES 500, 550 & 650

SW 10TH STREET & SW F STREET
STORMWATER IMPROVEMENTS

BENTONVILLE, AR

drawn by: KTF
checked by: JDA
approved by: EJS
QA/QC by: EJS
project no.: 021-04210-G
drawing no.: W_STM01_G2104210
date: 09.13.2023

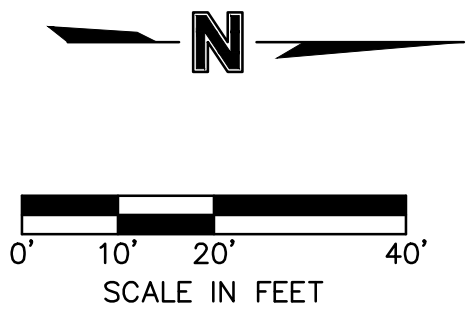
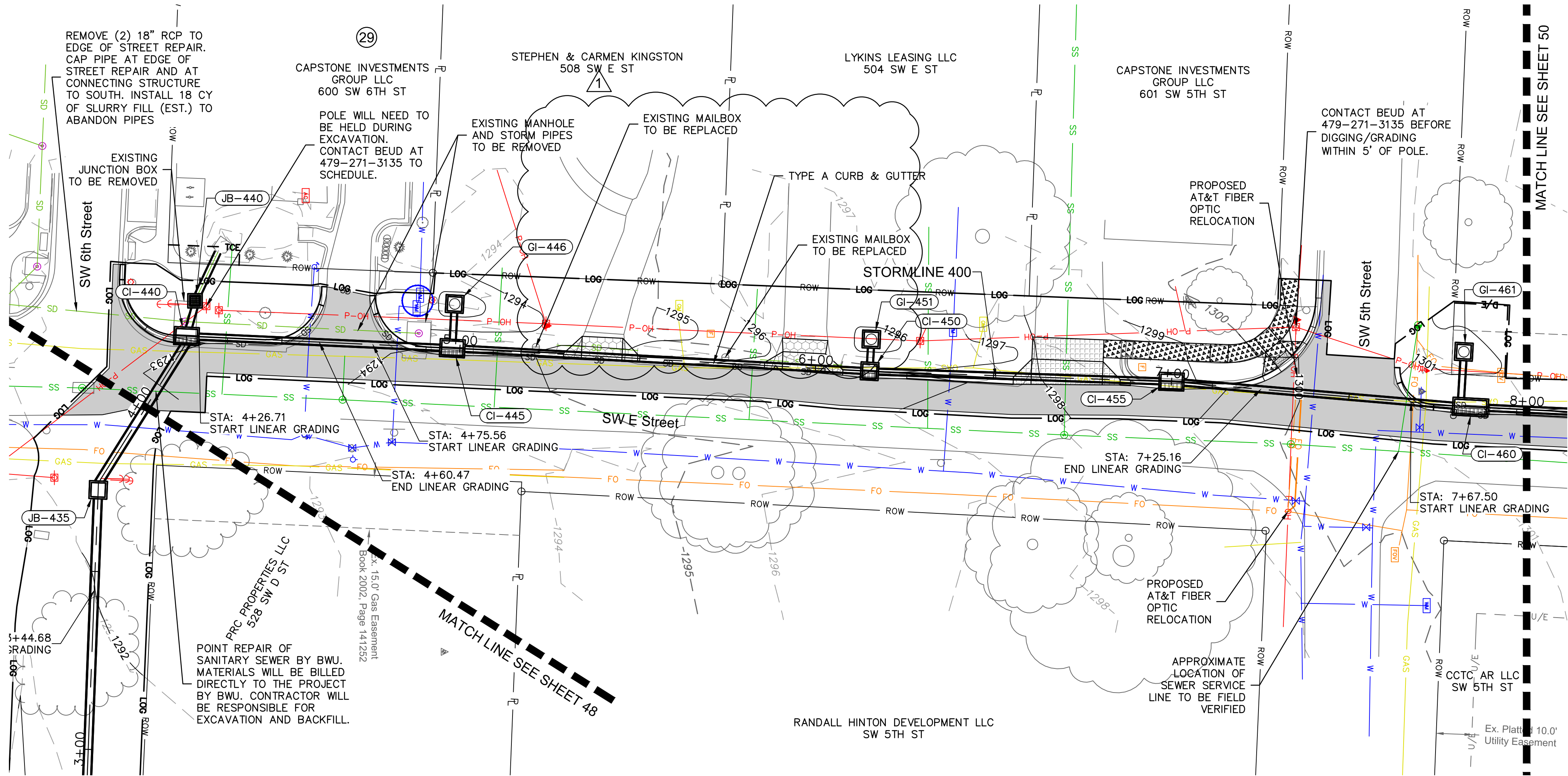
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47 of 71

Page 173 of 254



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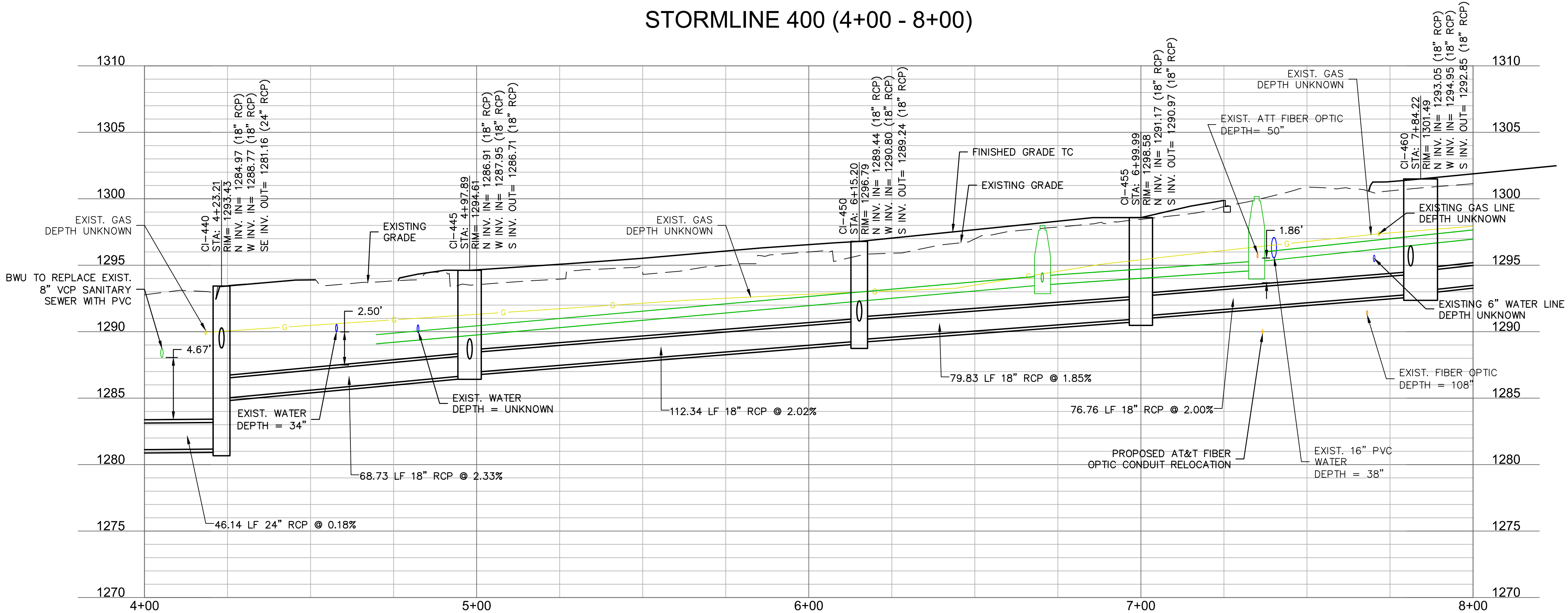
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USER: eshelton
W_PSIURF_G2104210



LEGEND	
	LIMITS OF GRADING
	ASPHALT STREET
	ASPHALT PAVEMENT REPAIR
	BRICK
	COMMERCIAL DRIVEWAY
	CONCRETE CHANNEL
	CONCRETE STREET
	CONCRETE TRAIL
	GRAVEL (CLASS 8 AGGREGATE BASE COURSE)
	RESIDENTIAL DRIVEWAY
	SIDEWALK
	PROPOSED TEMPORARY CONSTRUCTION EASEMENT
	PROPOSED PERMANENT DRAINAGE EASEMENT
	PROPOSED UTILITY EASEMENT
	EXISTING UTILITY EASEMENT

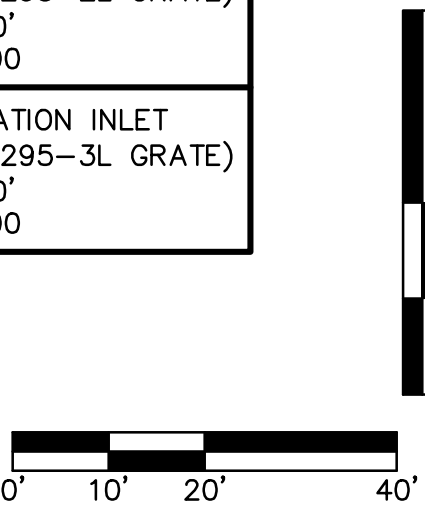
NOTE:
SEE GRADING ENLARGEMENT PLANS FOR
PROPOSED CURB TYPES AND LOCATIONS.

STORMLINE 400 (4+00 - 8+00)



SUMMARY OF HARDSCAPE			
	ITEM	UNIT	QUANTITY
1	ASPHALT STREET	SY	533
2	COMMERCIAL DRIVEWAY REPLACEMENT	SY	34
3	RESIDENTIAL DRIVEWAY REPLACEMENT	SY	29
	SIDEWALK	SY	17
4	WHEELCHAIR RAMPS	SF	233

STRUCTURES	
ID	DESCRIPTION
CI-440	6'X4' COMBINATION INLET (NEENAH R-3295-2L GRATE) 4+23.21, 0.00' STORMLINE 400
CI-445	6'X4' COMBINATION INLET (NEENAH R-3295-2L GRATE) 4+97.99, 0.00' STORMLINE 400
CI-450	4'X4' COMBINATION INLET (NEENAH R-3067-L GRATE) 6+15.20, 0.00' STORMLINE 400
CI-455	6'X4' COMBINATION INLET (NEENAH R-3295-2L GRATE) 6+99.99, 0.00' STORMLINE 400
CI-460	9'X4' COMBINATION INLET (NEENAH R-3295-3L GRATE) 7+84.22, 0.00' STORMLINE 400



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REV.	NO.	DATE	REVISIONS DESCRIPTION
1		10/31/2023	Miscellaneous updates

PLAN & PROFILE - STORMLINE 400

SW 10TH STREET & SW F STREET
STORMWATER IMPROVEMENTS

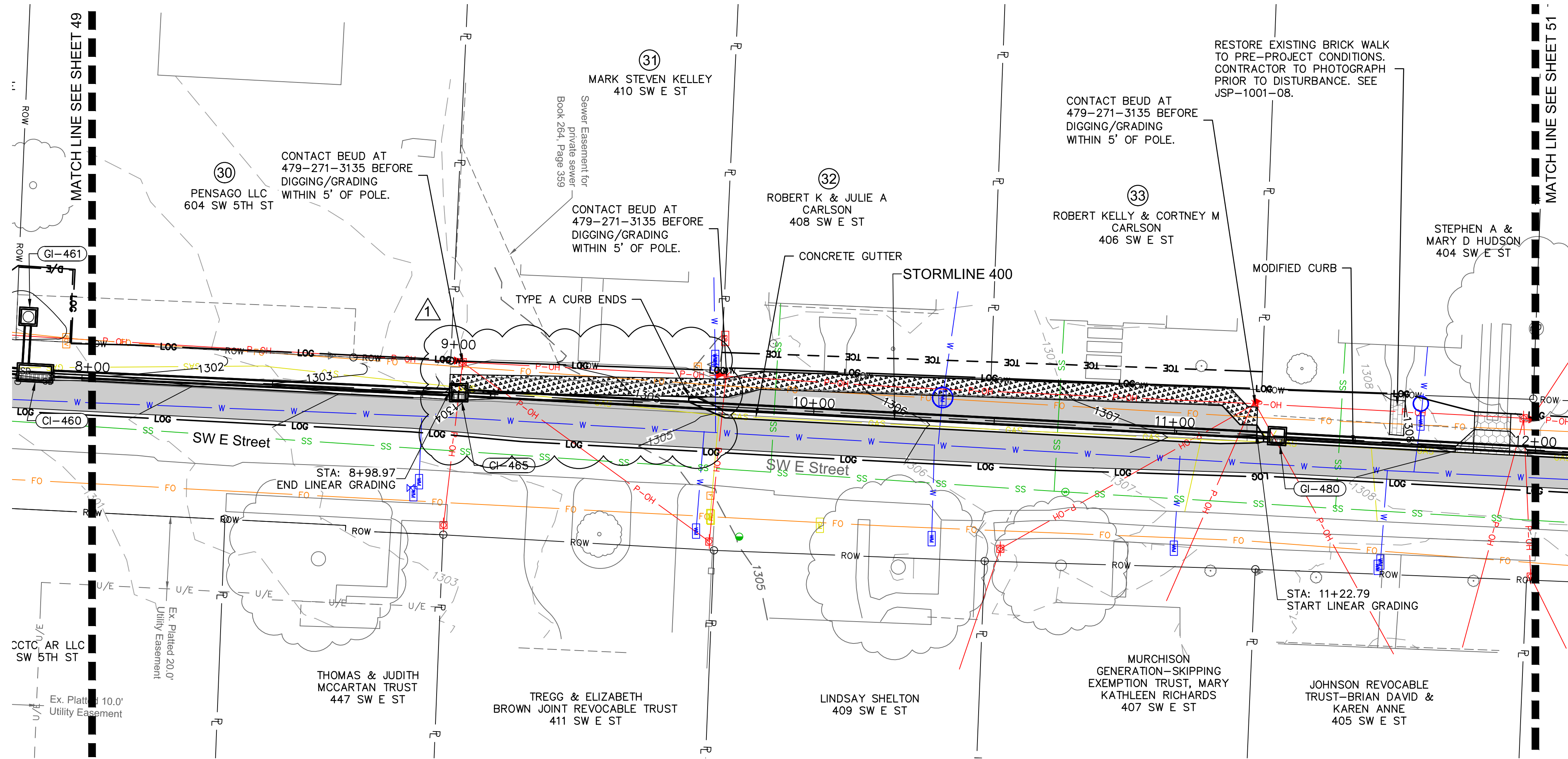
BENTONVILLE, AR

drawn by: KTE
checked by: JDA
approved by: EJS
QA/QC by: EJS
project no.: 021-04210-G
drawing no.: W_STM02_G2104210
date: 09.13.2023

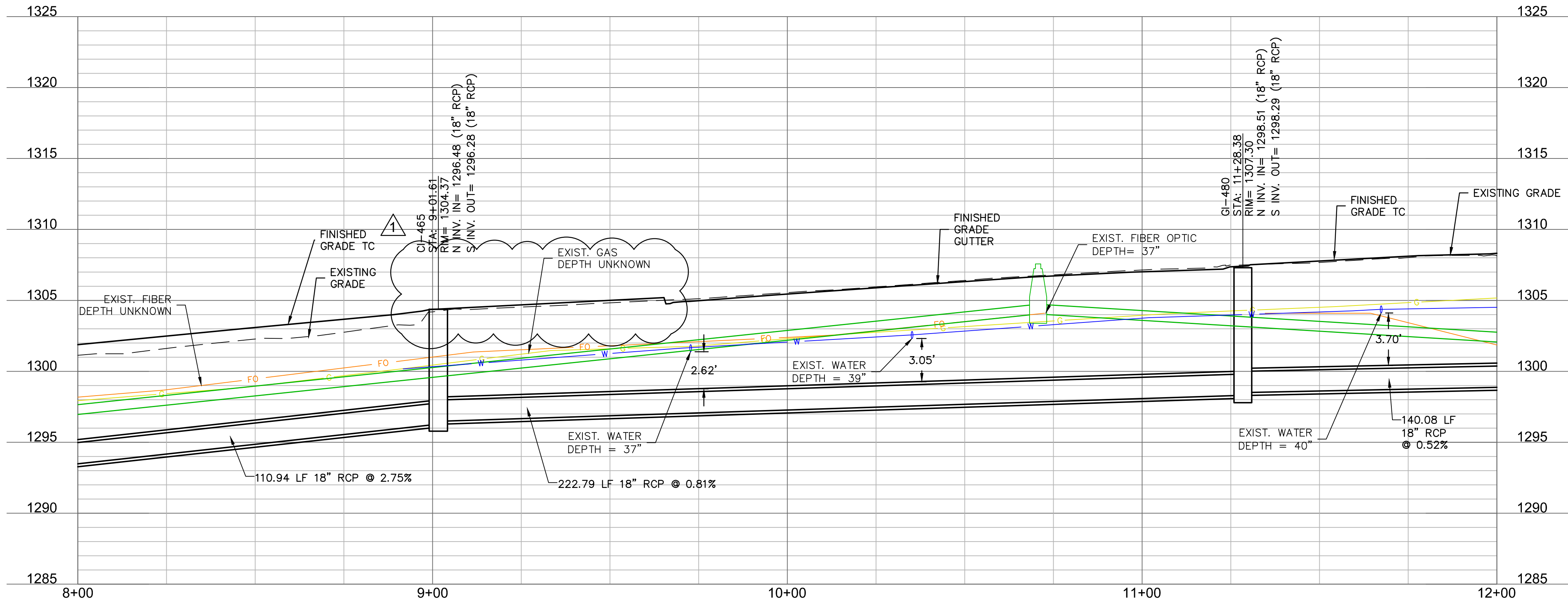
SHEET
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REVISIONS

2023



STORMLINE 400 (8+00 - 12+00)



LEGEND	
	LIMITS OF GRADING
	ASPHALT STREET
	ASPHALT PAVEMENT REPAIR
	BRICK
	COMMERCIAL DRIVEWAY
	CONCRETE CHANNEL
	CONCRETE STREET
	CONCRETE TRAIL
	GRAVEL (CLASS 8 AGGREGATE BASE COURSE)
	RESIDENTIAL DRIVEWAY
	SIDEWALK
	PROPOSED TEMPORARY CONSTRUCTION EASEMENT
	PROPOSED PERMANENT DRAINAGE EASEMENT
	PROPOSED UTILITY EASEMENT
	EXISTING UTILITY EASEMENT

NOTE:
SEE GRADING ENLARGEMENT PLANS FOR
PROPOSED CURB TYPES AND LOCATIONS.



0' 10' 20' 40'
SCALE IN FEET

SUMMARY OF HARDSCAPE			
	ITEM	UNIT	QUANTITY
1	ASPHALT PAVEMENT REPLACEMENT	SY	545
2	RESIDENTIAL DRIVEWAY REPLACEMENT	SY	17
3	SIDEWALK	SY	126
4	BRICK WALK REPLACEMENT	SY	5
5	CONCRETE GUTTER	LF	226

STRUCTURES	
ID	DESCRIPTION
CI-465	4'x4' COMBINATION INLET (NEENAH R-3067-L GRATE) 9+01.61, 0.00' STORMLINE 400
GI-480	4'x4' GRATE INLET (NEENAH R-3408-L GRATE) 11+28.38, 0.00' STORMLINE 400



0' 10' 20' 40'
SCALE IN FEET



REV. NO.	DATE	REVISIONS DESCRIPTION	BY	EMPS
1	10/31/2023	Miscellaneous updates		

PLAN & PROFILE - STORMLINE 400		2023
SW 10TH STREET & SW F STREET STORMWATER IMPROVEMENTS		
BENTONVILLE, AR		

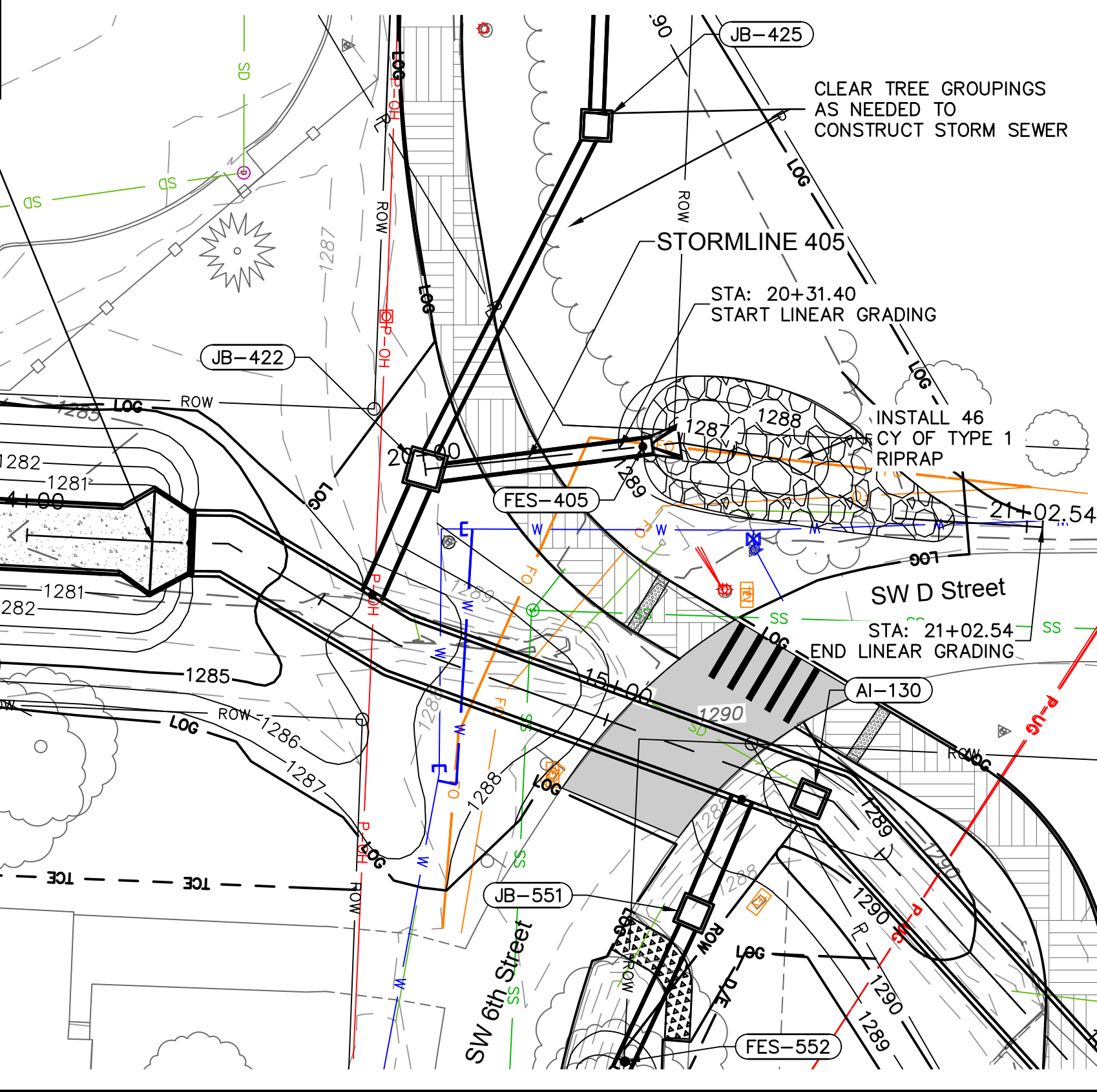
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checked by: JDA
approved by: EJS
QA/QC by: EJS
project no.: 021-04210-G
drawing no.: W_STM02_G2104210
date: 09.13.2023



NOTE:
SEE GRADING ENLARGEMENT PLANS FOR
PROPOSED CURB TYPES AND LOCATIONS.

CONTACT BEUD AT
479-271-3135
BEFORE DIGGING/
GRADING WITHIN 5'
OF POLE.

APPROXIMATE LOCATION
AT&T TO PROVIDE NEW
ALIGNMENT INFORMATION
AT LATER DATE

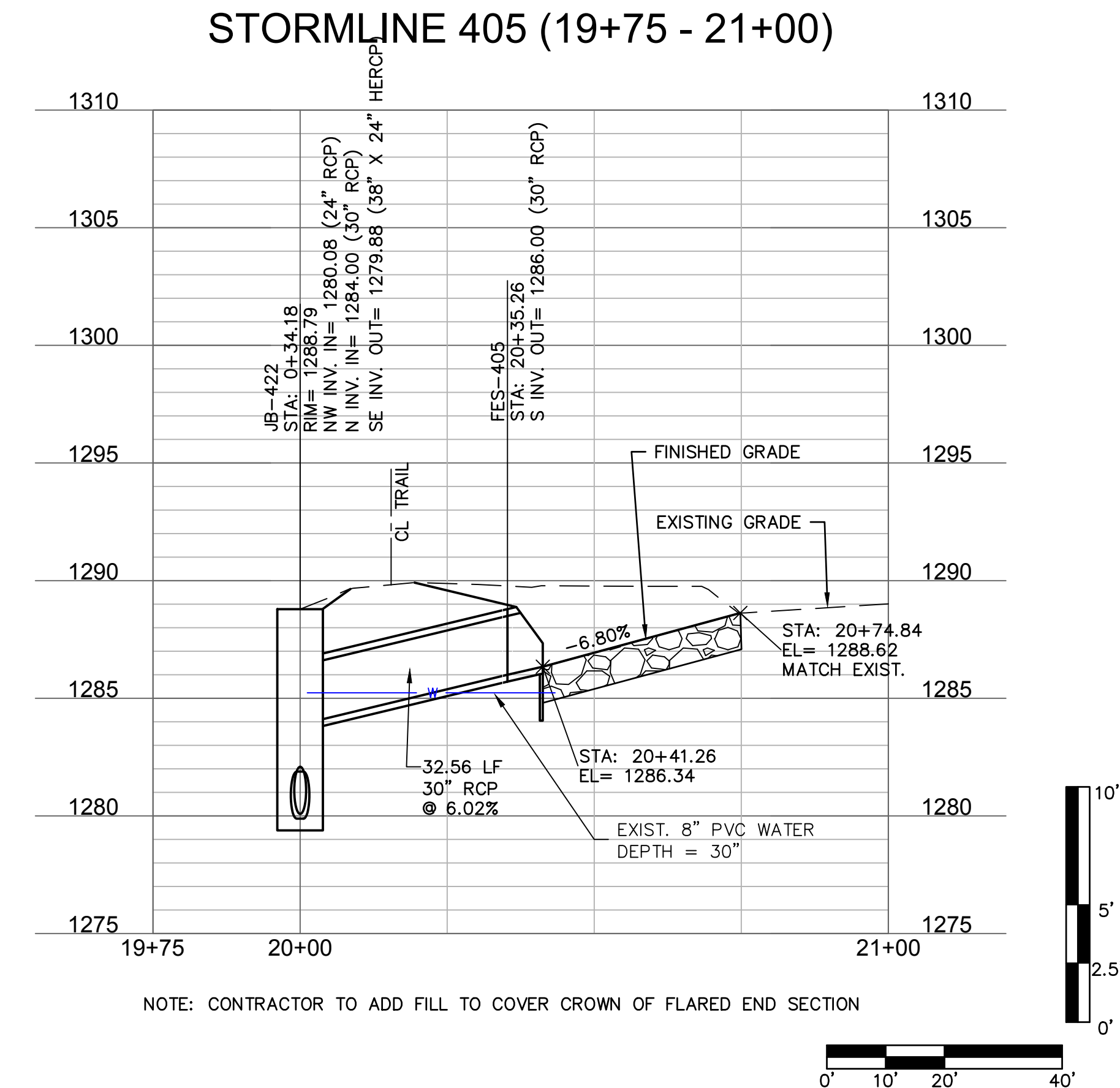
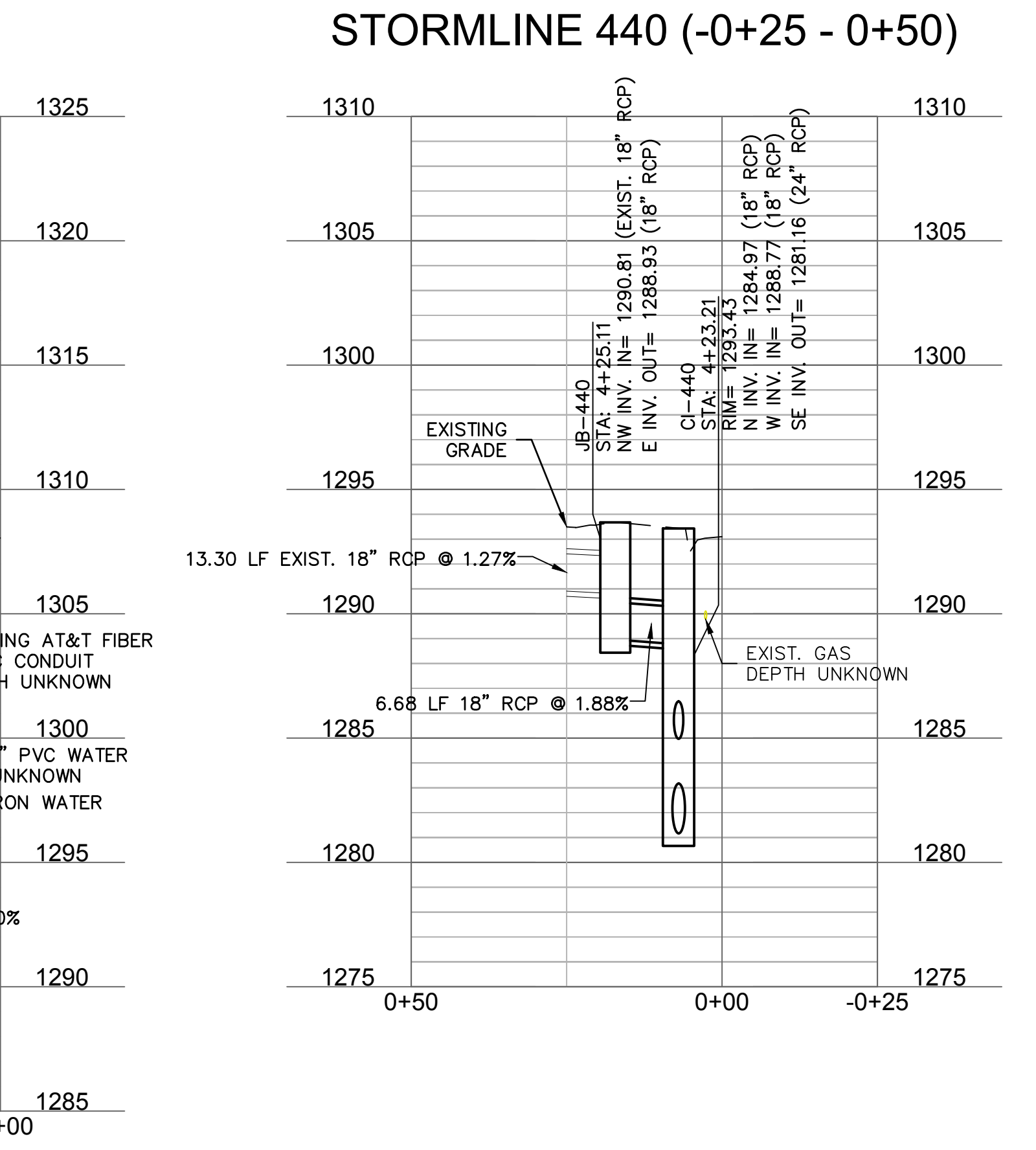
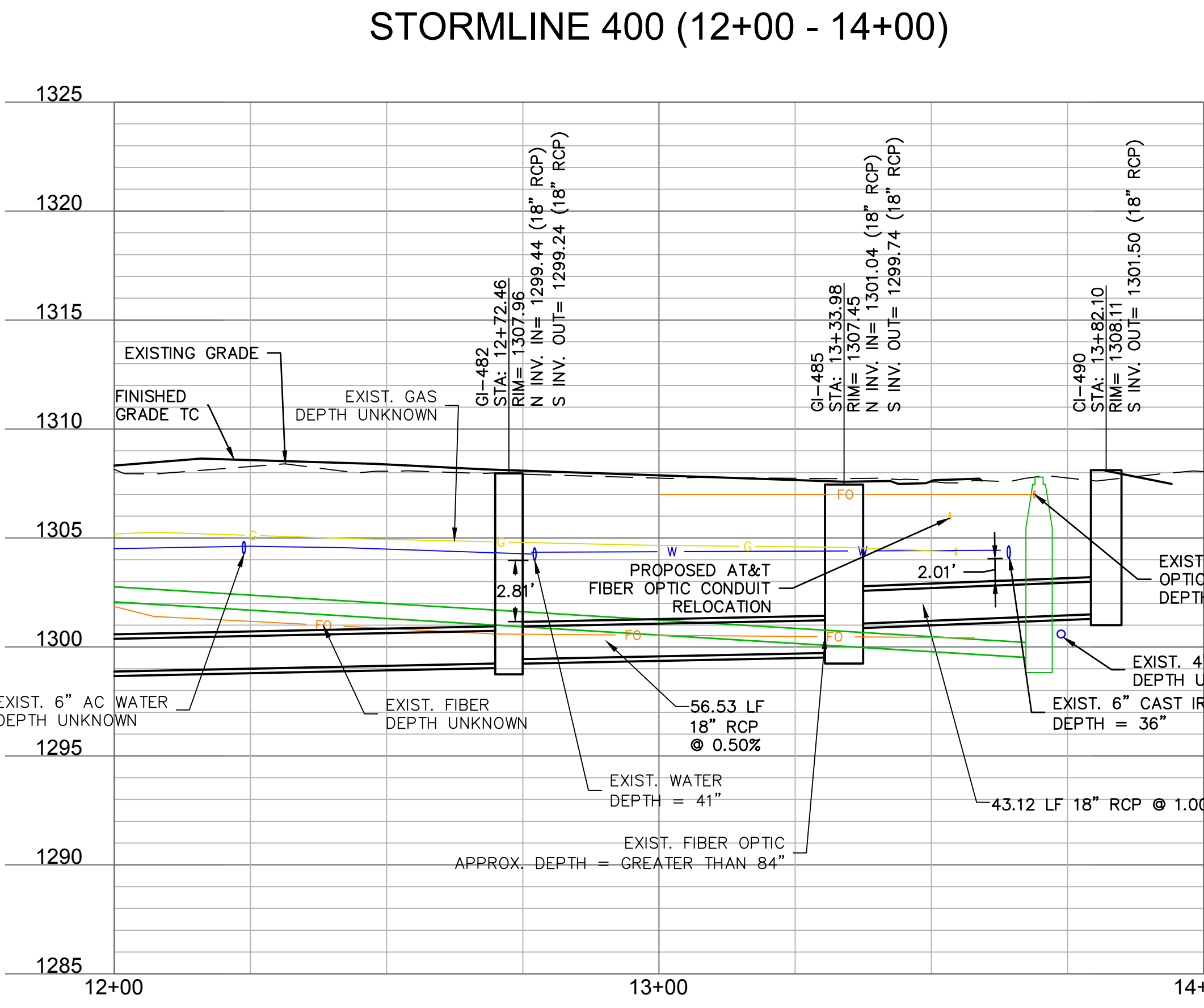


JB-425

CLEAR TREE GROUPINGS
AS NEEDED TO
CONSTRUCT STORM SEWER

ROW

Log

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drawn by: _____ KTF
checked by: _____ JDA
approved by: _____ EJS
QA/QC by: _____ EJS
project no.: _____ 021-04210-G
drawing no.: W _____ STM02 G2104210
date: _____ 09.13.2023

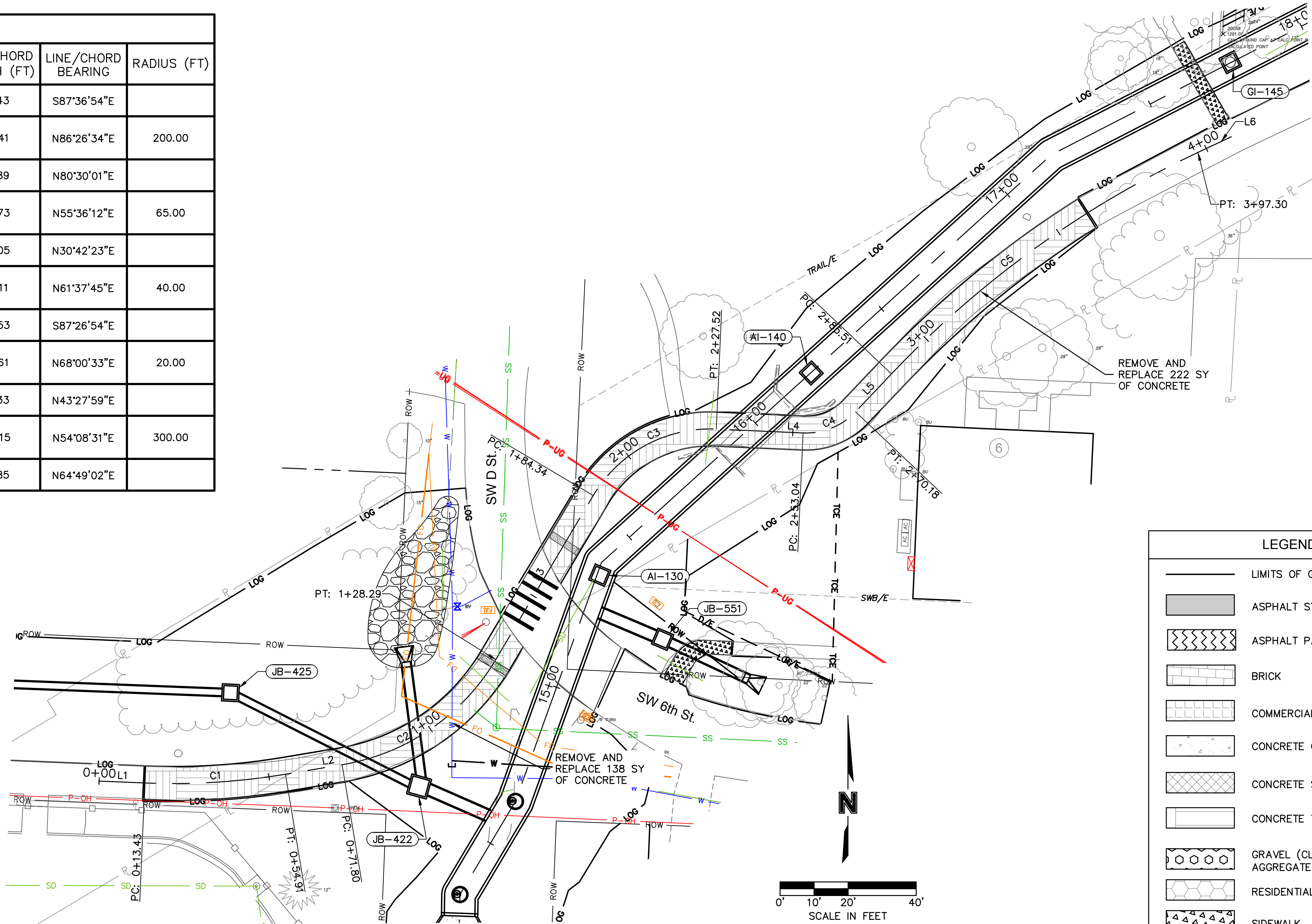
SHEET
51 of 71

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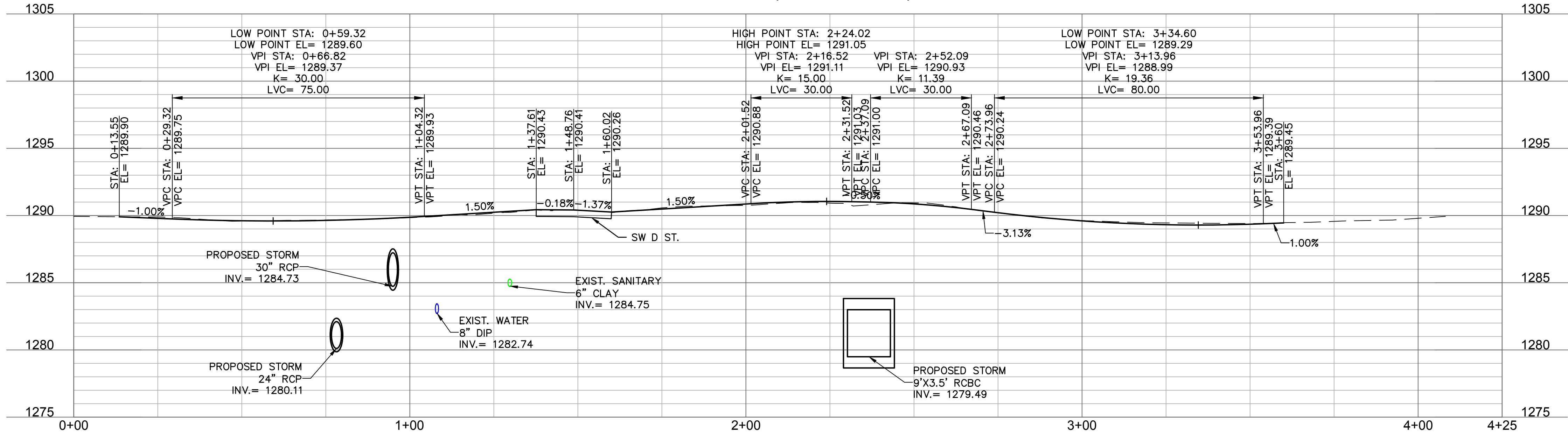
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VPT EL= 1289.93
VPC STA: 1+04.32
VPC EL= 1289.93
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VPC EL= 1279.49

CL TRAIL								
ID #	STATION RANGE	START COORD.	END COORD.	PI STATION	PI COORD.	LINE/CHORD LENGTH (FT)	LINE/CHORD BEARING	RADIUS (FT)
L1	0+00 0+13.43	N: 747201.05 E: 660397.26	N: 747200.49 E: 660410.68			13.43	S87°36'54"E	
C1	PC 0+13.43 PT 0+54.91	PC N: 747200.49 E: 660410.68	PT N: 747203.06 E: 660452.01	0+34.25	N: 747199.63 E: 660431.48	41.41	N86°26'34"E	200.00
L2	0+54.91 0+71.80	N: 747203.06 E: 660452.01	N: 747205.85 E: 660468.66			16.89	N80°30'01"E	
C2	PC 0+71.80 PT 1+28.29	PC N: 747205.85 E: 660468.66	PT N: 747236.77 E: 660513.82	1+01.97	N: 747210.83 E: 660498.42	54.73	N55°36'12"E	65.00
L3	1+28.29 1+84.34	N: 747236.77 E: 660513.82	N: 747284.96 E: 660542.44			56.05	N30°42'23"E	
C3	PC 1+84.34 PT 2+27.52	PC N: 747284.96 E: 660542.44	PT N: 747304.49 E: 660578.62	2+08.30	N: 747305.56 E: 660554.68	41.11	N61°37'45"E	40.00
L4	2+27.52 2+53.04	N: 747304.49 E: 660578.62	N: 747303.36 E: 660604.12			25.53	S87°26'54"E	
C4	PC 2+53.04 PT 2+70.18	PC N: 747303.36 E: 660604.12	PT N: 747309.58 E: 660619.52	2+62.18	N: 747302.95 E: 660613.24	16.61	N68°00'33"E	20.00
L5	2+70.18 2+85.51	N: 747309.58 E: 660619.52	N: 747320.70 E: 660630.07			15.33	N43°27'59"E	
C5	PC 2+85.51 PT 3+97.30	PC N: 747320.70 E: 660630.07	PT N: 747385.81 E: 660720.15	3+42.06	N: 747361.75 E: 660668.97	111.15	N54°08'31"E	300.00
L6	3+97.30 4+08.15	N: 747385.81 E: 660720.15	N: 747390.43 E: 660729.97			10.85	N64°49'02"E	

NOTE: CONTRACTOR SHALL KEEP A SURFACED BIKE PATH OPEN FOR THE DOWNTOWN BID TRAIL. ALL ROADWAYS AND SIDEWALKS SHALL REMAIN OPEN TO THE PUBLIC EXCEPT FOR LIMITED CLOSURES OF NO MORE THAN 5 DAYS. TEMPORARY PAVEMENT MAY BE USED AT CONTRACTOR'S DISCRETION TO RESTORE ACCESS PRIOR TO PERMANENT PAVING. ONE ADDITIONAL CLOSURE OF NO MORE THAN 24 HOURS WILL BE ALLOWED FOR PERMANENT PAVEMENT REPLACEMENT. (SEE JSP 1001-10).

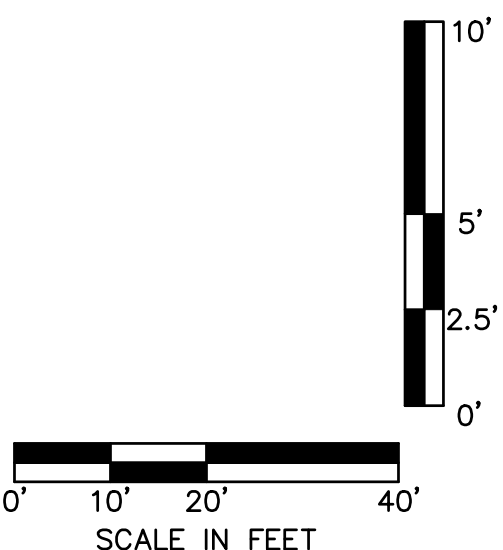


CL TRAIL (0+00 - 4+25)



LEGEND	
—	LIMITS OF GRADING
▨	ASPHALT STREET
▨	ASPHALT PAVEMENT REPAIR
▨	BRICK
▨	COMMERCIAL DRIVEWAY
▨	CONCRETE CHANNEL
▨	CONCRETE STREET
▨	CONCRETE TRAIL
▨	GRAVEL (CLASS 8 AGGREGATE BASE COURSE)
▨	RESIDENTIAL DRIVEWAY
▨	SIDEWALK
---	TCE PROPOSED TEMPORARY CONSTRUCTION EASEMENT
---	D/E PROPOSED PERMANENT DRAINAGE EASEMENT
---	U/E PROPOSED UTILITY EASEMENT
---	U/E EXISTING UTILITY EASEMENT

NOTE: SEE GRADING ENLARGEMENT PLANS FOR PROPOSED CURB TYPES AND LOCATIONS.



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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
NO. 19111
ERIC JOSEPH SHELTON

BY
REVISIONS
2023

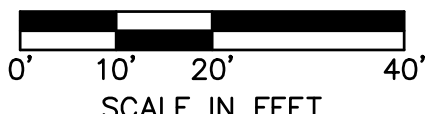
PLAN & PROFILE - PROPOSED TRAIL
SW 10TH STREET & SW F STREET
STORMWATER IMPROVEMENTS
BENTONVILLE, AR

drawn by: KTE
checked by: JDA
approved by: EJS
QA/QC by: EJS
project no.: 021-04210-G
drawing no.: W_TRAIL_G2104210
date: 09.13.2023

SHEET
53 of 71

Page 178 of 254

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WATERLINE RELOCATION GENERAL LAYOUT

SW 10TH STREET & SW F STREET
STORMWATER IMPROVEMENTS

BENTONVILLE, AR

2023

REVISIONS

REV. NO.	DATE	REVISIONS DESCRIPTION	BY

drawn by: NDHM

checked by: EJS

approved by: CBD

QA/QC by: CBD

project no.: 021-04210-G

drawing no.: W_WAT_G2104210

date: 09.01.2023

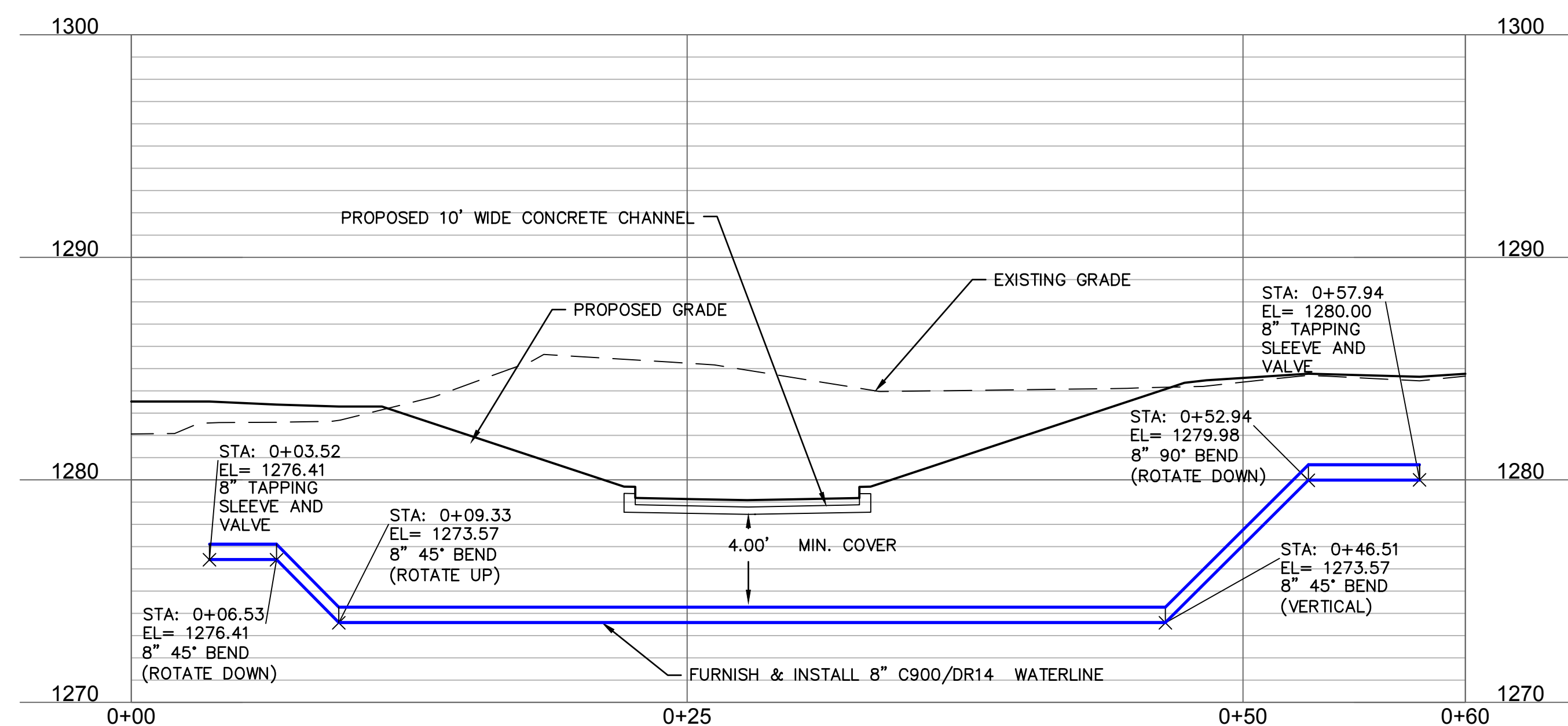
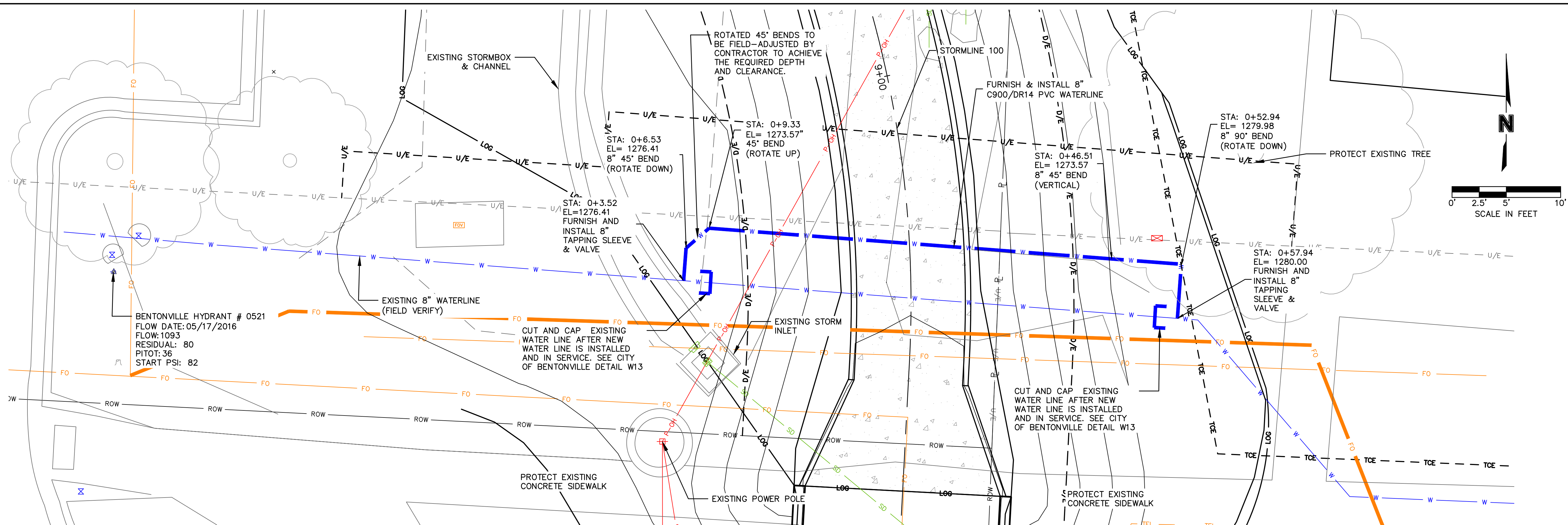
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54 of 71

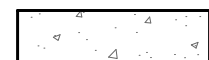
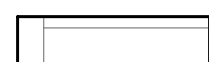
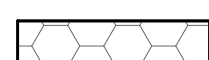


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LEGEND

- | | |
|---|---|
|  | LIMITS OF GRADING |
|  | ASPHALT STREET |
|  | ASPHALT PAVEMENT REPAIR |
|  | BRICK |
|  | COMMERCIAL DRIVEWAY |
|  | CONCRETE CHANNEL |
|  | CONCRETE STREET |
|  | CONCRETE TRAIL |
|  | GRAVEL (CLASS 8
AGGREGATE BASE COURSE) |
|  | RESIDENTIAL DRIVEWAY |
|  | SIDEWALK |
|  | PROPOSED TEMPORARY
CONSTRUCTION EASEMENT |
|  | PROPOSED PERMANENT
DRAINAGE EASEMENT |
|  | PROPOSED UTILITY
EASEMENT |
|  | EXISTING UTILITY EASEMENT |

NOTE:
SEE GRADING ENLARGEMENT PLANS FOR
PROPOSED CURB TYPES AND LOCATIONS.

NOTE: CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE WATER UTILITIES DEPARTMENT SPECIFICATIONS FOR THE CITY OF BENTONVILLE DATED 2021.

PLAN & PROFILE - WATERLINE 1

SW 10TH STREET & SW F STREET
STORMWATER IMPROVEMENTS

BENTONVILLE, AR

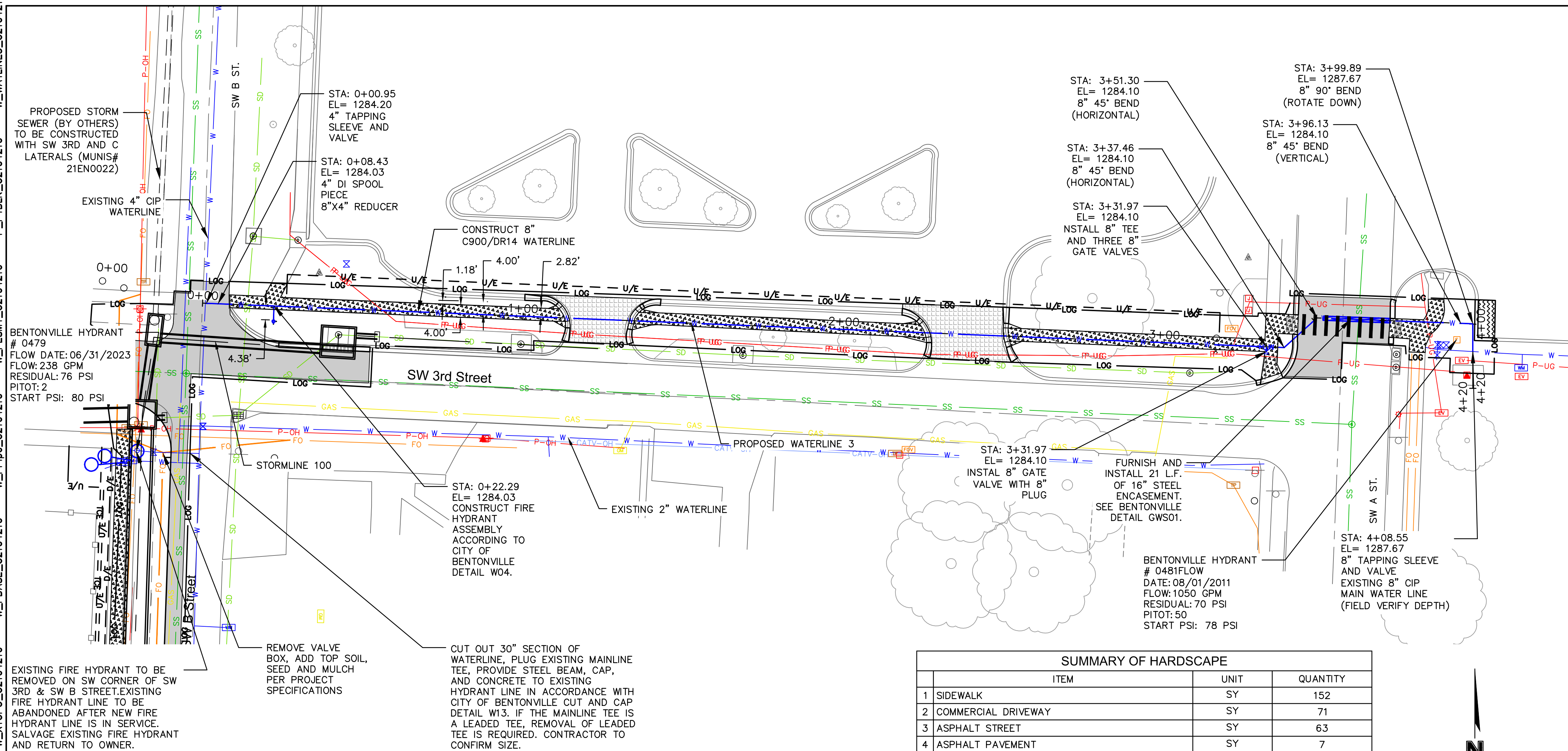
REVISIONS

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Olsson

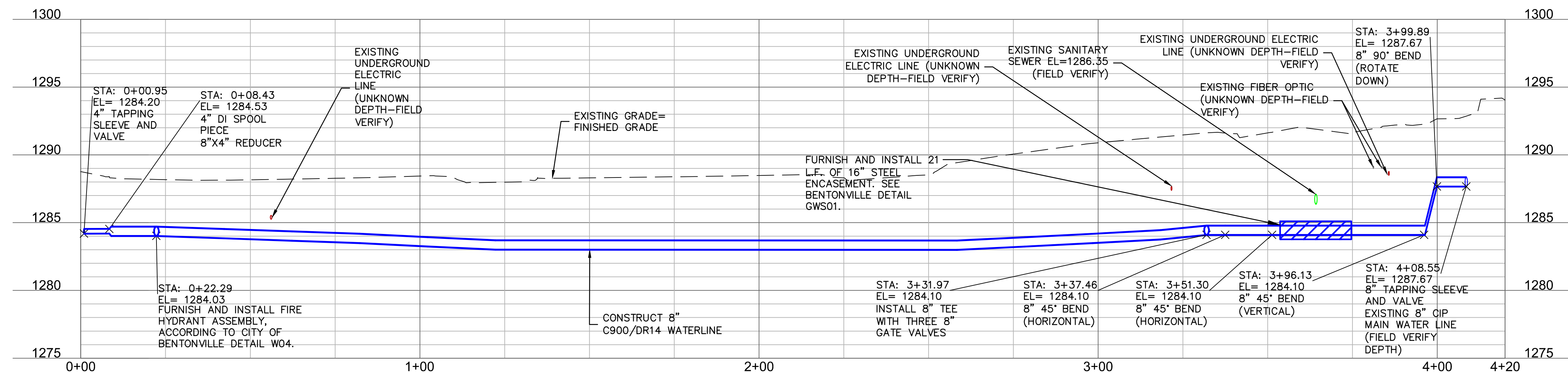
3302 East Millsap Road
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SHEET
55 of 71



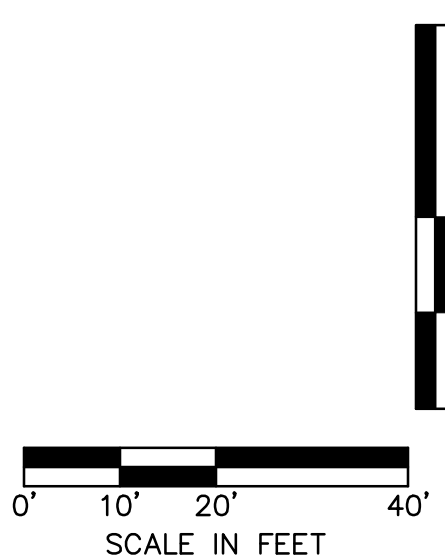
NOTE: CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE WATER UTILITIES DEPARTMENT SPECIFICATIONS FOR THE CITY OF BENTONVILLE DATED 2021.

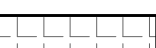
WATERLINE 3 (0+00 - 4+20)



SUMMARY OF HARDSCAPE			
	ITEM	UNIT	QUANTITY
1	SIDEWALK	SY	152
2	COMMERCIAL DRIVEWAY	SY	71
3	ASPHALT STREET	SY	63
4	ASPHALT PAVEMENT	SY	7

NOTE:
SEE GRADING ENLARGEMENT PLANS FOR
PROPOSED CURB TYPES AND LOCATIONS.



	LIMITS OF GRADING
	ASPHALT STREET
	ASPHALT PAVEMENT REPAIR
	BRICK
	COMMERCIAL DRIVEWAY
	CONCRETE CHANNEL
	CONCRETE STREET
	CONCRETE TRAIL
	GRAVEL (CLASS 8 AGGREGATE BASE COURSE)
	RESIDENTIAL DRIVEWAY
	SIDEWALK
	PROPOSED TEMPORARY CONSTRUCTION EASEMENT
	PROPOSED PERMANENT DRAINAGE EASEMENT
	PROPOSED UTILITY EASEMENT
	EXISTING UTILITY EASEMENT

PLAN & PROFILE - WATERLINE 3

SW 10TH STREET & SW F STREET STORMWATER IMPROVEMENTS

BENTONVILLE, AR

2023

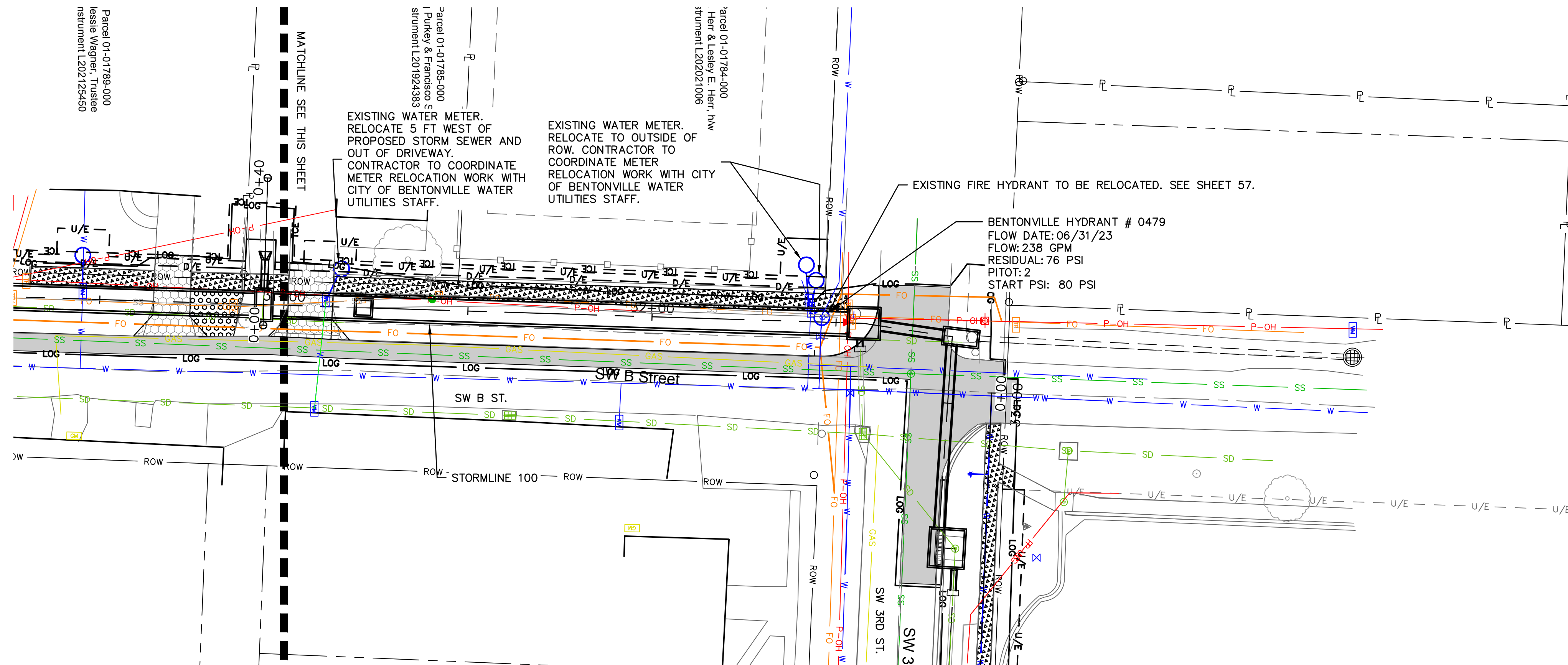
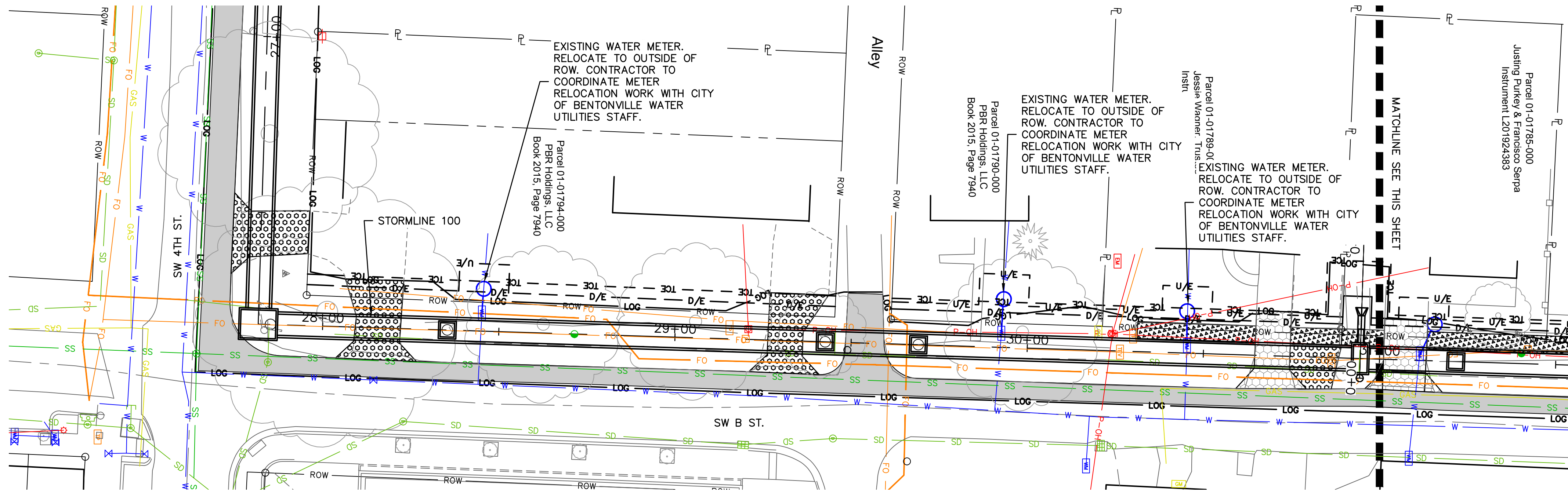
REVISIONS DESCRIPTION	BY

REVISIONS

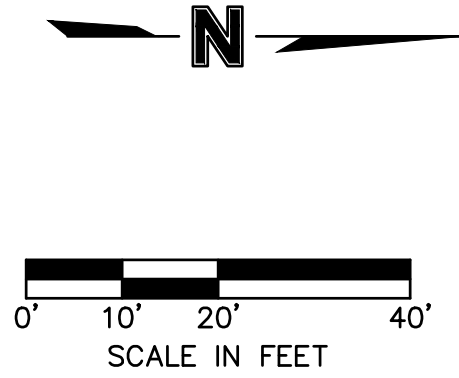


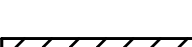
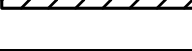
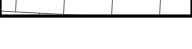
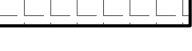
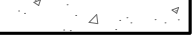
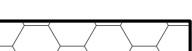
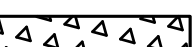
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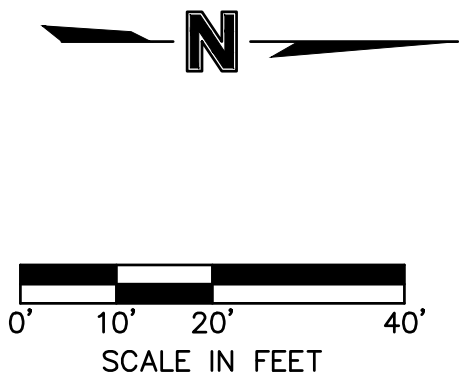


NOTE:
COORDINATE WITH BWU INSPECTOR FOR
WATER METER RELOCATIONS BY BWU CREWS.
NO COST BILLED TO CONTRACTOR.
CONTRACTOR RESPONSIBLE FOR PROVIDING
LICENSED PLUMBER TO TIE PRIVATE SERVICE
TO NEW METER LOCATION.



	LIMITS OF GRADING
	ASPHALT STREET
	ASPHALT PAVEMENT REPAIR
	BRICK
	COMMERCIAL DRIVEWAY
	CONCRETE CHANNEL
	CONCRETE STREET
	CONCRETE TRAIL
	GRAVEL (CLASS 8 AGGREGATE BASE COURSE)
	RESIDENTIAL DRIVEWAY
	SIDEWALK
	PROPOSED TEMPORARY CONSTRUCTION EASEMENT
	PROPOSED PERMANENT DRAINAGE EASEMENT
	PROPOSED UTILITY EASEMENT
	EXISTING UTILITY EASEMENT

NOTE:
SEE GRADING ENLARGEMENT PLANS FOR
PROPOSED CURB TYPES AND LOCATIONS

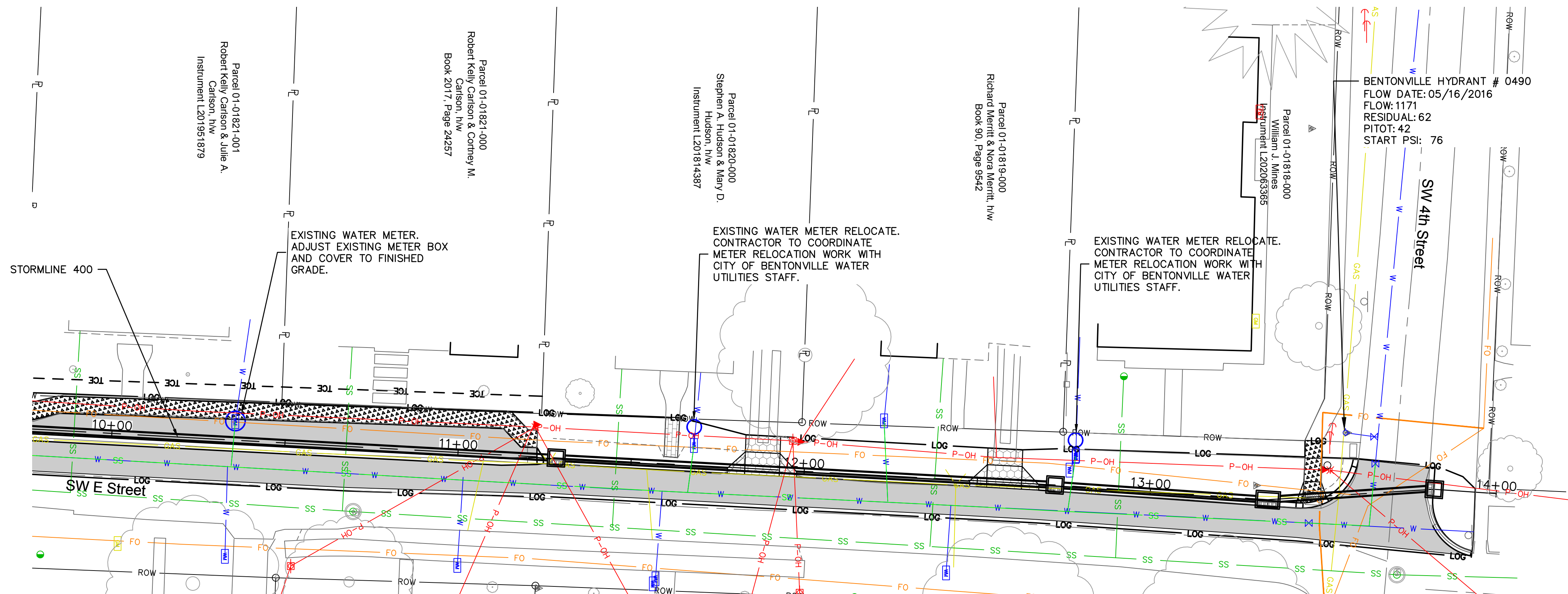


NOTE: CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE WATER UTILITIES DEPARTMENT SPECIFICATIONS FOR THE CITY OF BENTONVILLE DATED 2021.

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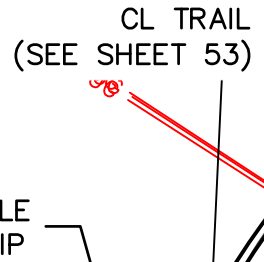
WATERLINE ADJUSTMENTS - STORMLINE 100	2023
SW 10TH STREET & SW F STREET STORMWATER IMPROVEMENTS	

drawn by: _____ NDHM
checked by: _____ EJS
approved by: _____ CBD
QA/QC by: _____ CBD
project no.: _____ 021-04210-G
drawing no. W _____ WAT01 G2104210
date: _____ 09.01.2023

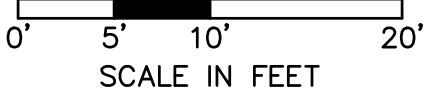




USER: nmcneal



NOTE:
SEE TRAIL PLAN & PROFILE FOR HORIZONTAL
AND VERTICAL DATA FOR THE PROPOSED TRAIL.



BENTONVILLE, AR

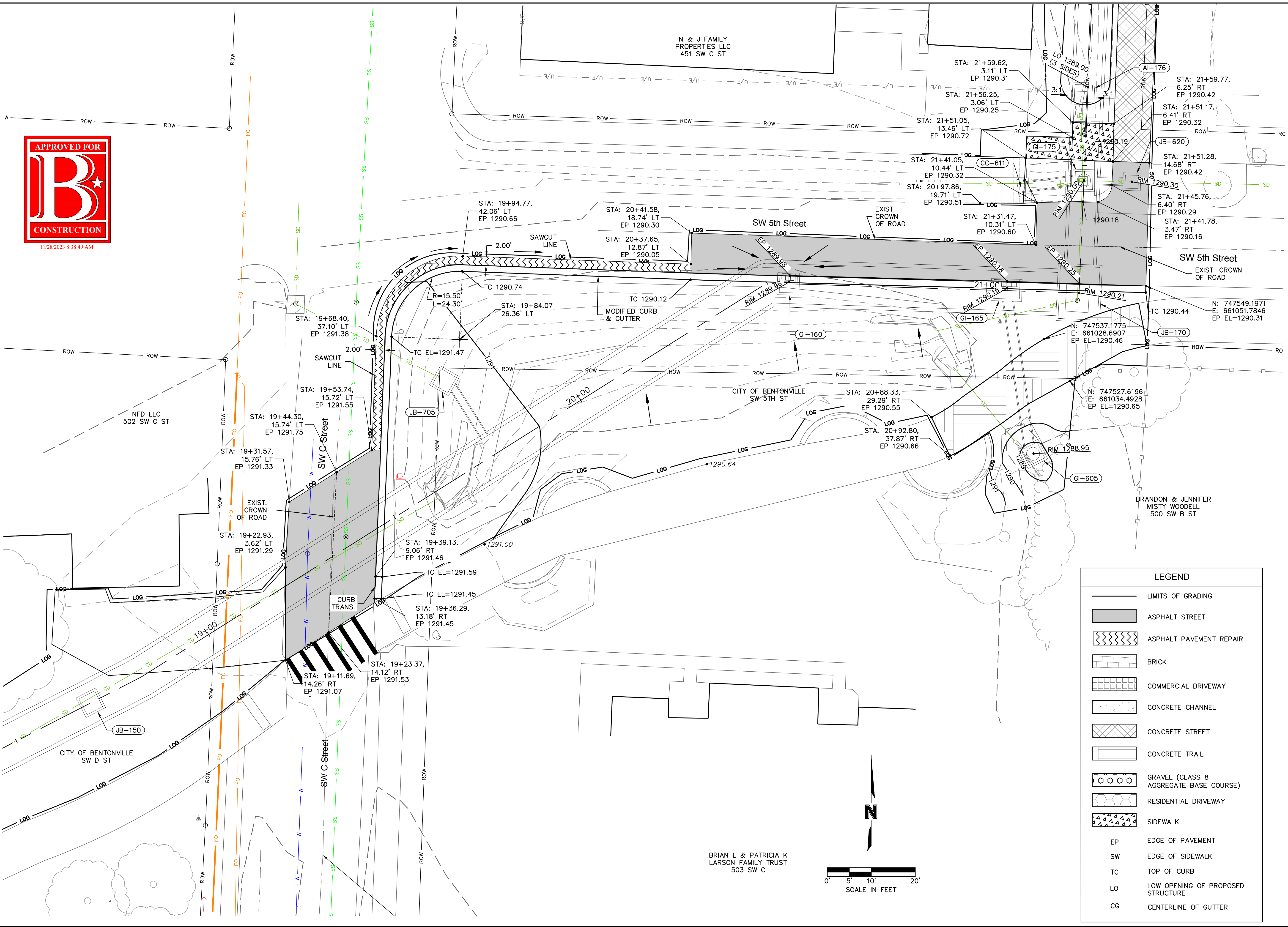
SHEET
62 of 71

REVISIONS



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USER: nmcneal
20-044 edg base



LEGEND	
	LIMITS OF GRADING
	ASPHALT STREET
	ASPHALT PAVEMENT REPAIR
	BRICK
	COMMERCIAL DRIVEWAY
	CONCRETE CHANNEL
	CONCRETE STREET
	CONCRETE TRAIL
	GRAVEL (CLASS 8 AGGREGATE BASE COURSE)
	RESIDENTIAL DRIVEWAY
	SIDEWALK
EP	EDGE OF PAVEMENT
SW	EDGE OF SIDEWALK
TC	TOP OF CURB
LO	LOW OPENING OF PROPOSED STRUCTURE
CG	CENTERLINE OF GUTTER

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
NO. 19111
ERIC JOSEPH SHELTON

BY
DATE
REV. NO.

REVISIONS DESCRIPTION

GRADING ENLARGEMENT PLAN - 5TH & C STREET

SW 10TH STREET & SW F STREET
STORMWATER IMPROVEMENTS

BENTONVILLE, AR

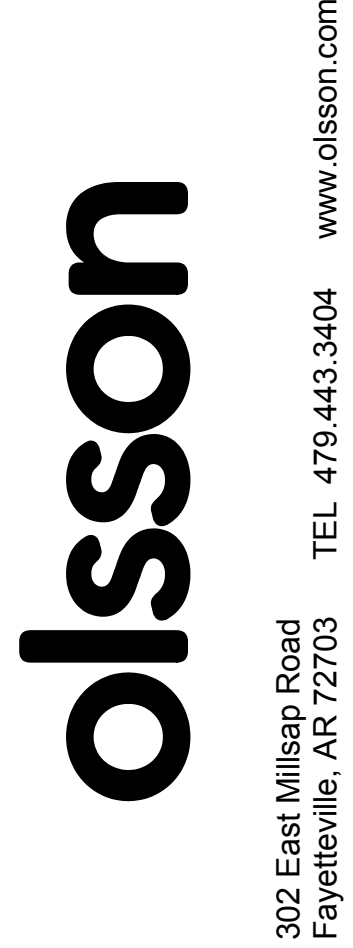
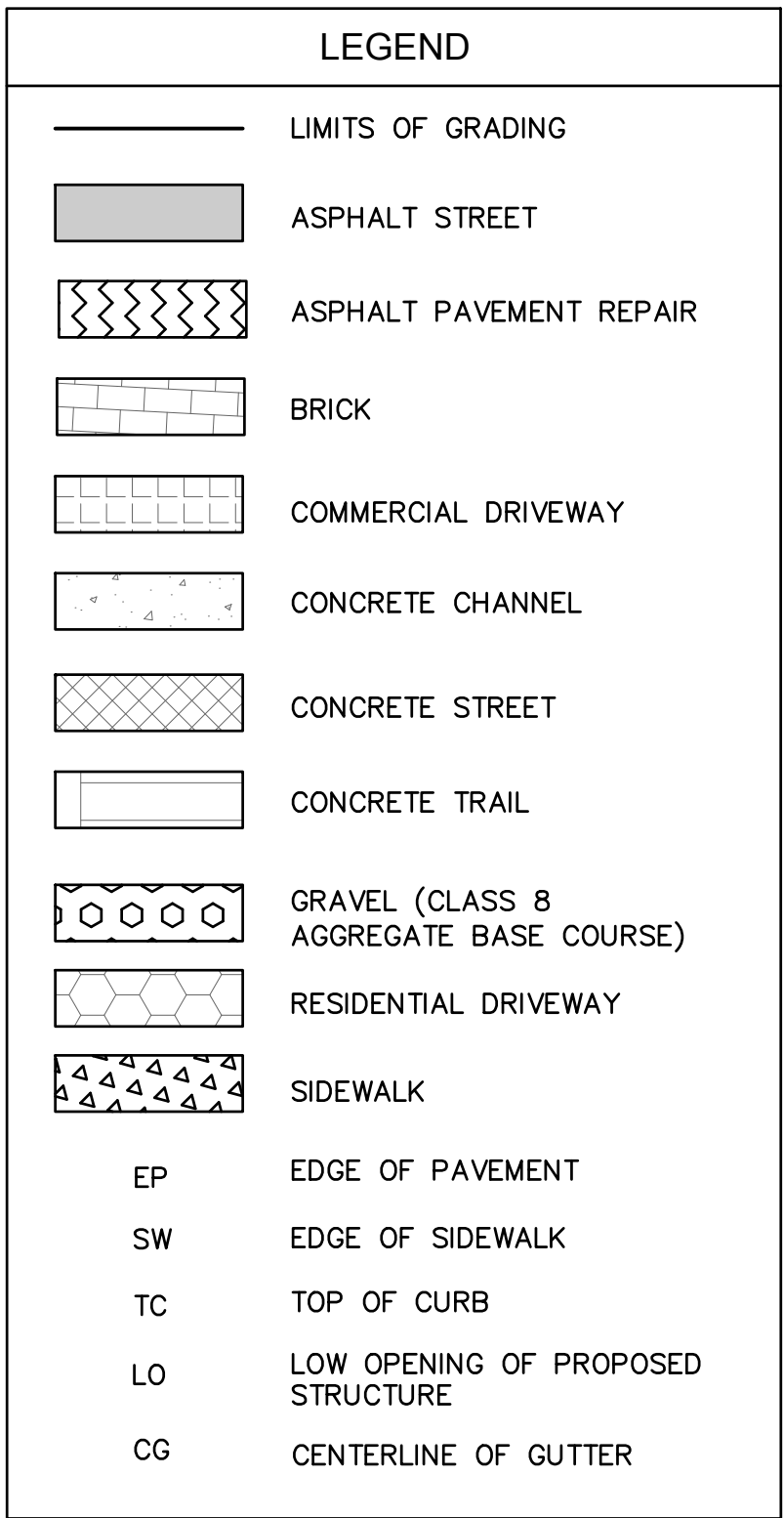
drawn by: KTE
checked by: JDA
approved by: EJS
QA/QC by: EJS
project no.: 021-04210-G
drawing no.: W_PAV01_G2104210
date: 09.13.2023

SHEET
63 of 71

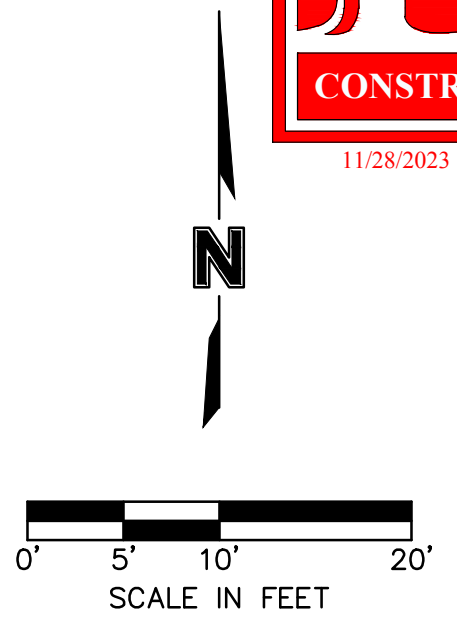
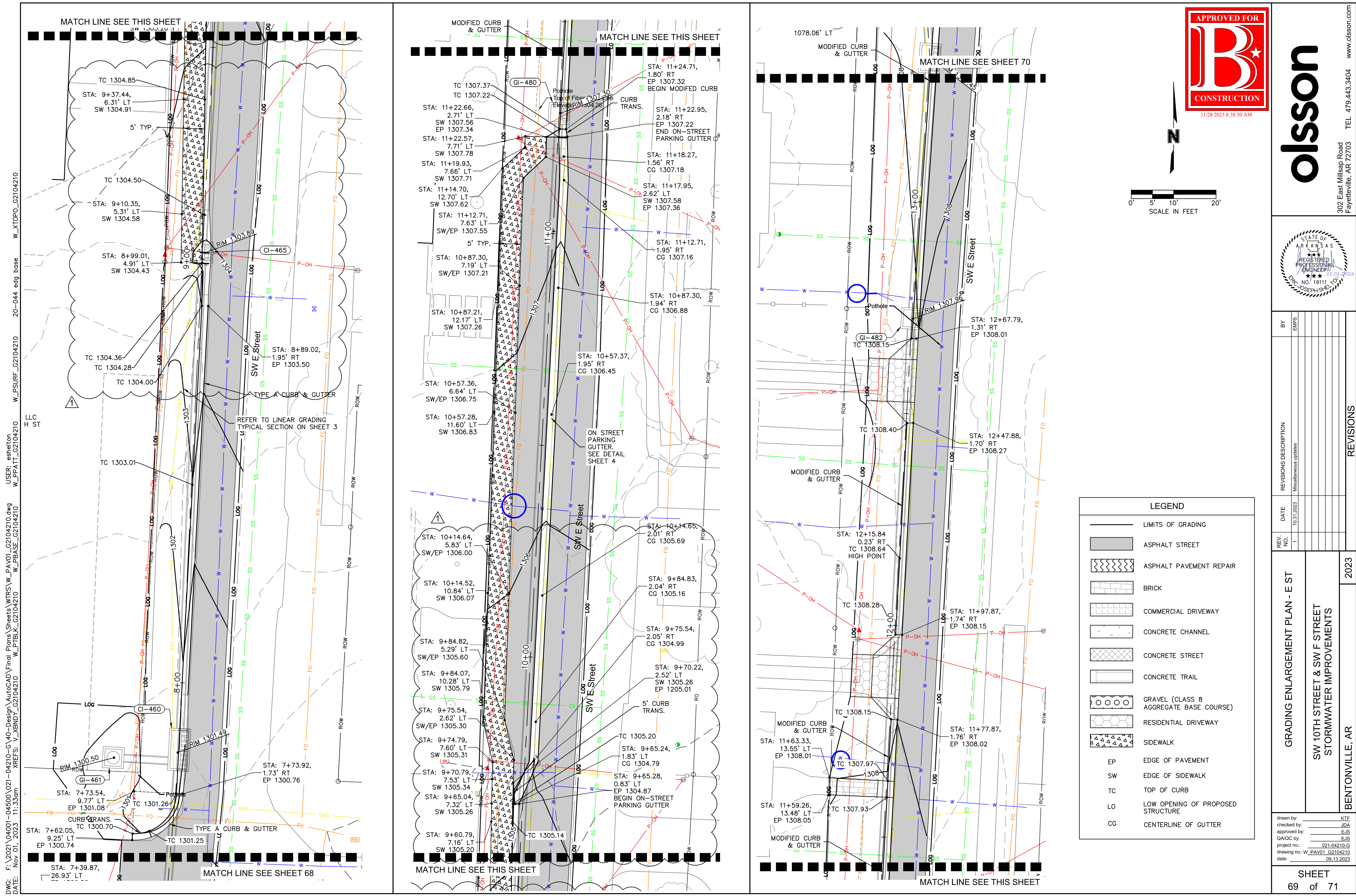


MATCH LINE SEE THIS SHEET

MATCH LINE SEE SHEET 65



GRADING ENLARGEMENT PLAN - 3RD & B STREET SW 10TH STREET & SW F STREET STORMWATER IMPROVEMENTS	REV. NO.	DATE	REVISIONS DESCRIPTION	BY
BENTONVILLE, AR		2023	REVISIONS	
drawn by: _____ KTF checked by: _____ JDA approved by: _____ EJS QA/QC by: _____ EJS project no.: _____ 021-04210-G drawing no.: W_PAV01_G2104210 date: _____ 09.13.2023				
SHEET 66 of 71				



LEGEND	
	LIMITS OF GRADING
	ASPHALT STREET
	ASPHALT PAVEMENT REPAIR
	BRICK
	COMMERCIAL DRIVEWAY
	CONCRETE CHANNEL
	CONCRETE STREET
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	SIDEWALK
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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
NO. 19111
JOSEPH S. L. O.
11-01-2023

REV.	NO.	DATE	REVISIONS DESCRIPTION
1	1	10/31/2023	Miscellaneous updates

GRADING ENLARGEMENT PLAN - E S

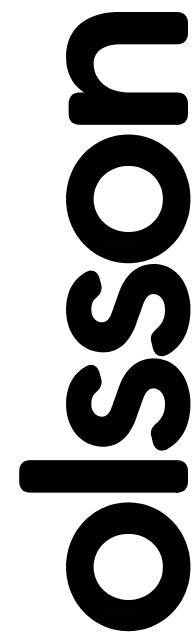
SW 10TH STREET & SW F STREET
STORMWATER IMPROVEMENTS

2023

BENTONVILLE, AR

drawn by: KTE
checked by: JDA
approved by: EJS
QA/QC by: EJS
project no.: 021-04210-G
drawing no.: W_PAV01_G2104210
date: 09.13.2023

SHEET
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REVISIONS

2023

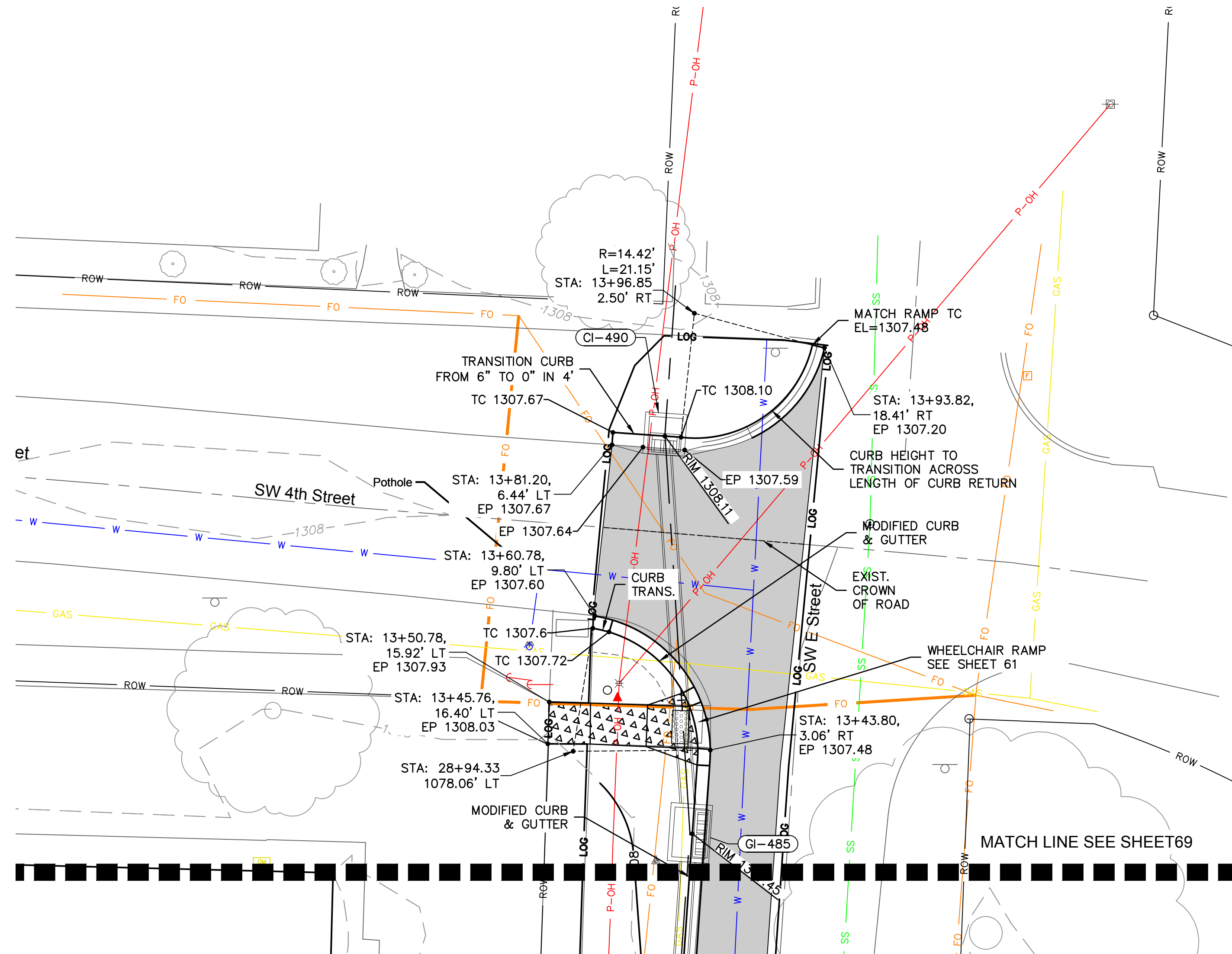
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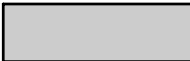
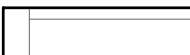
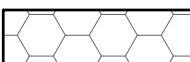
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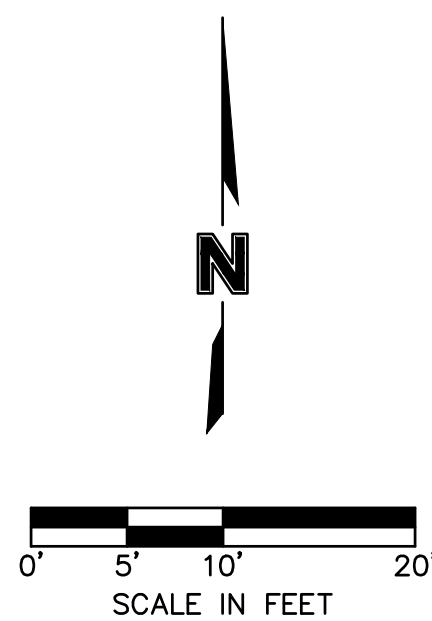
SW 10TH STREET & SW F STREET STORMWATER IMPROVEMENTS

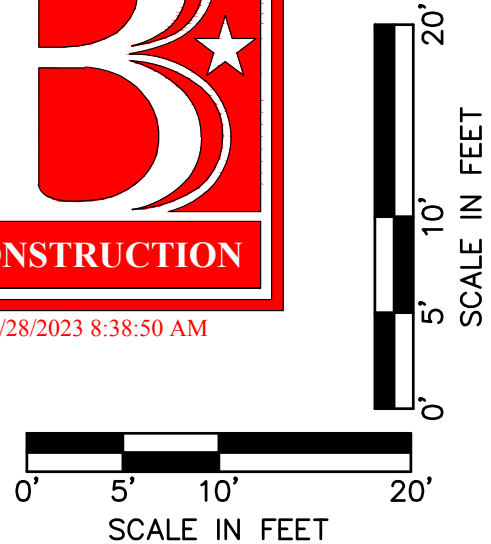
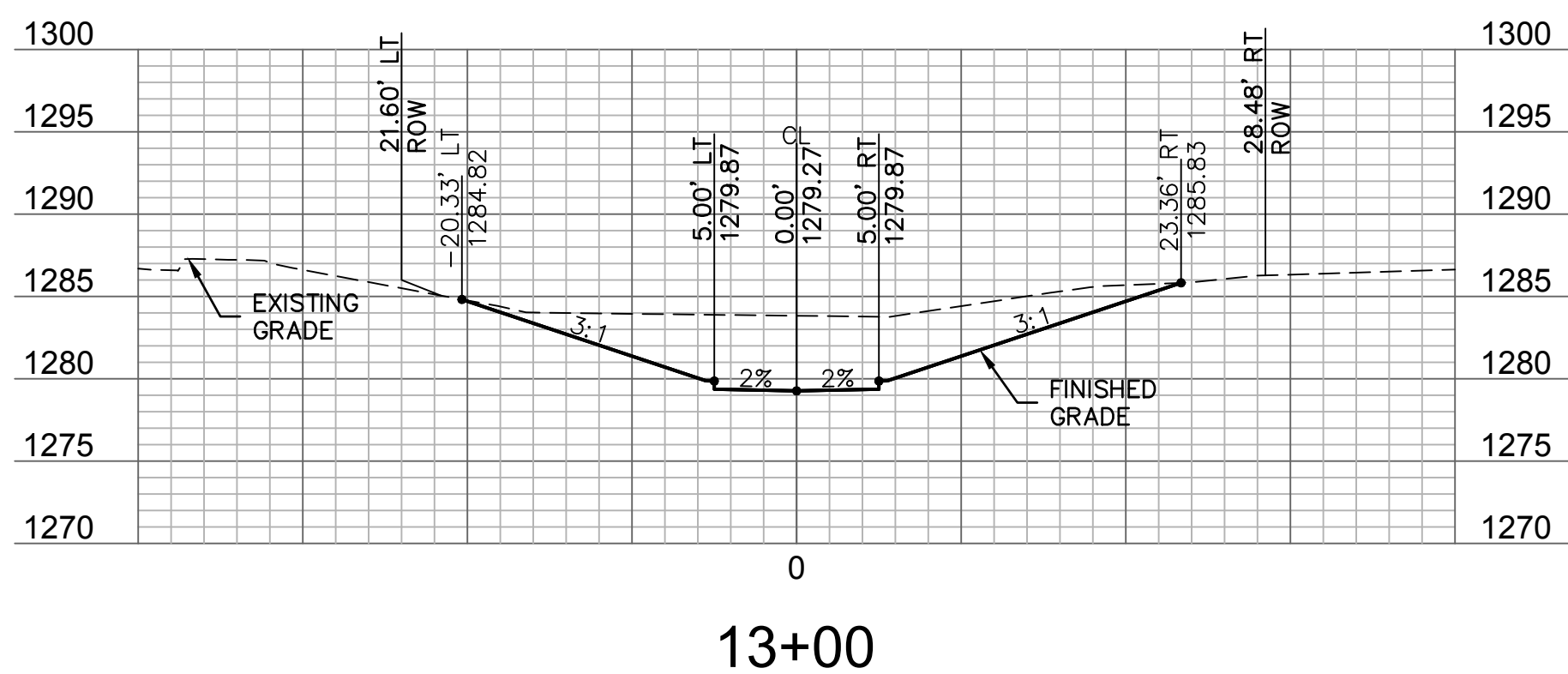
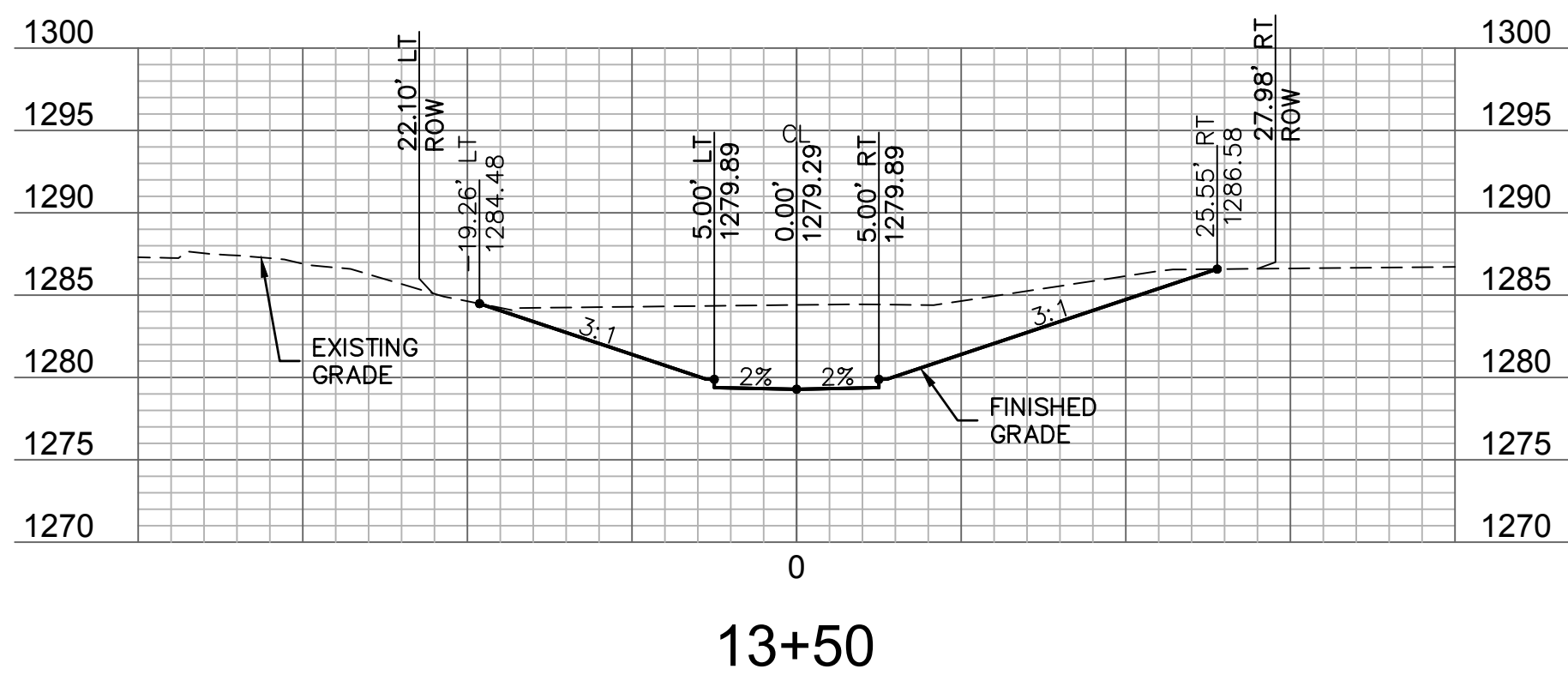
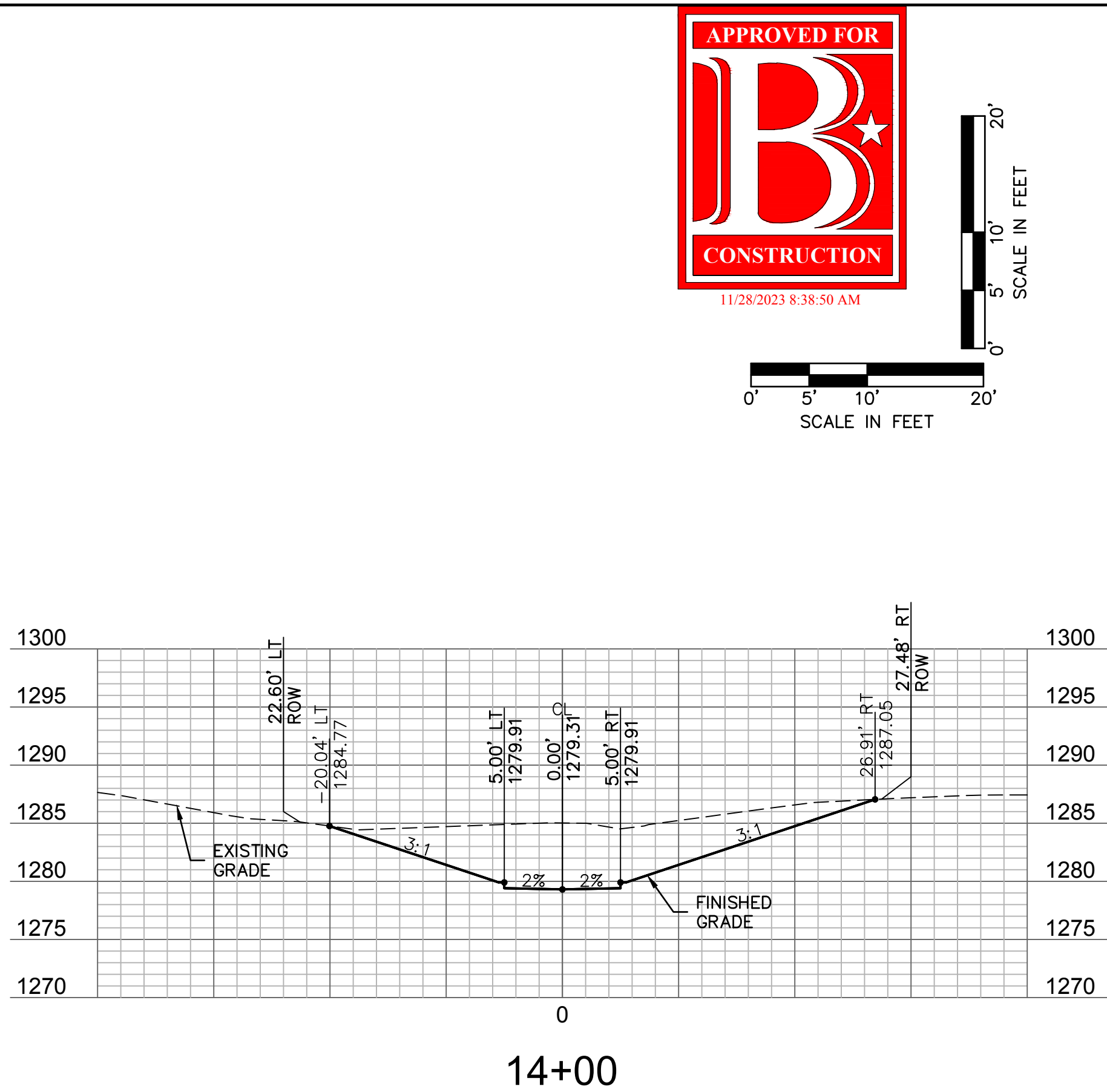
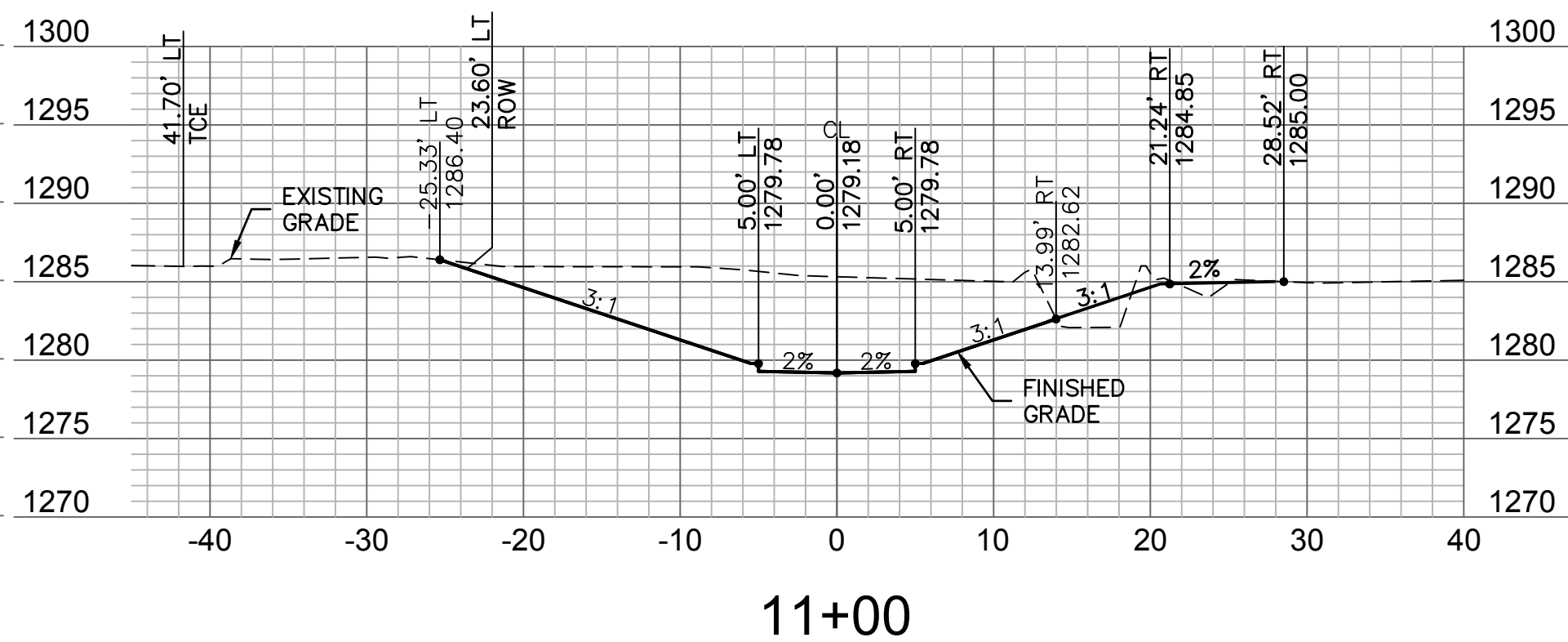
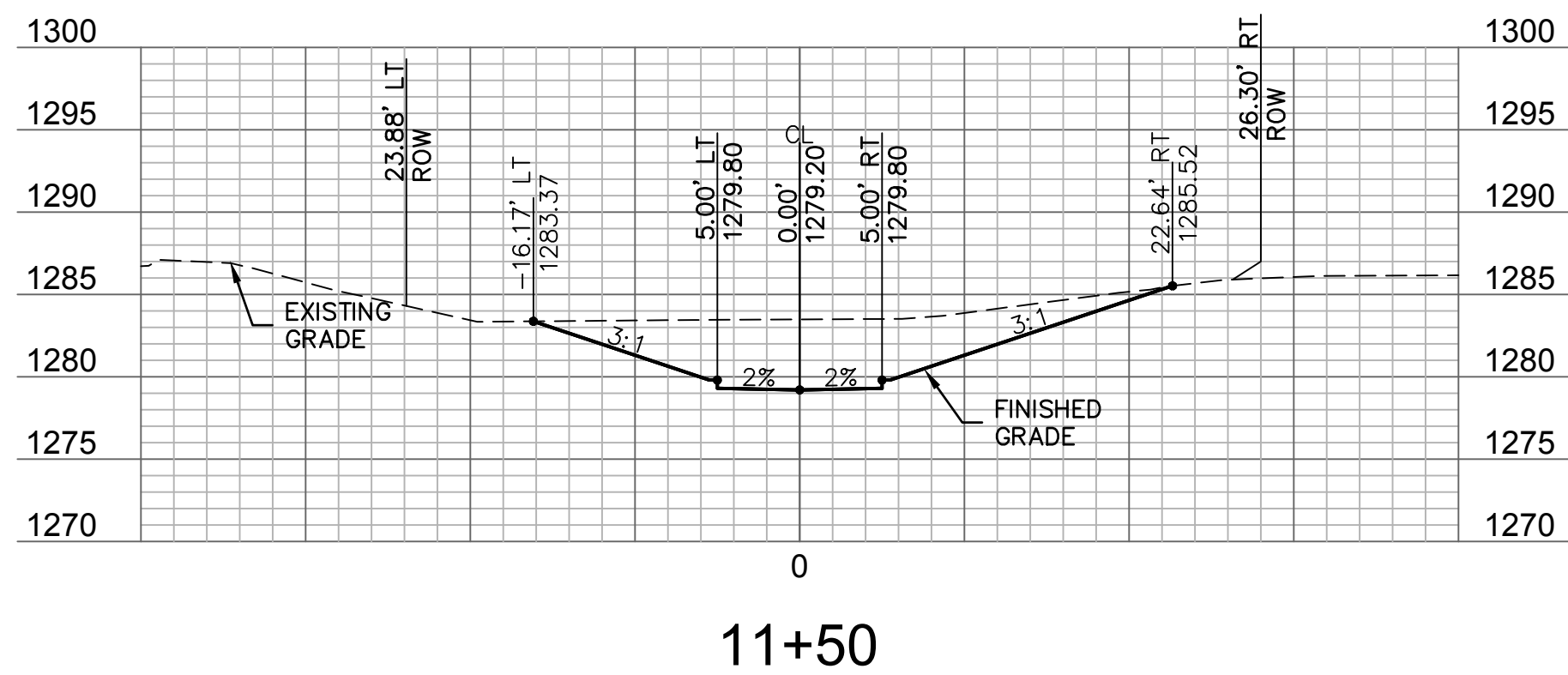
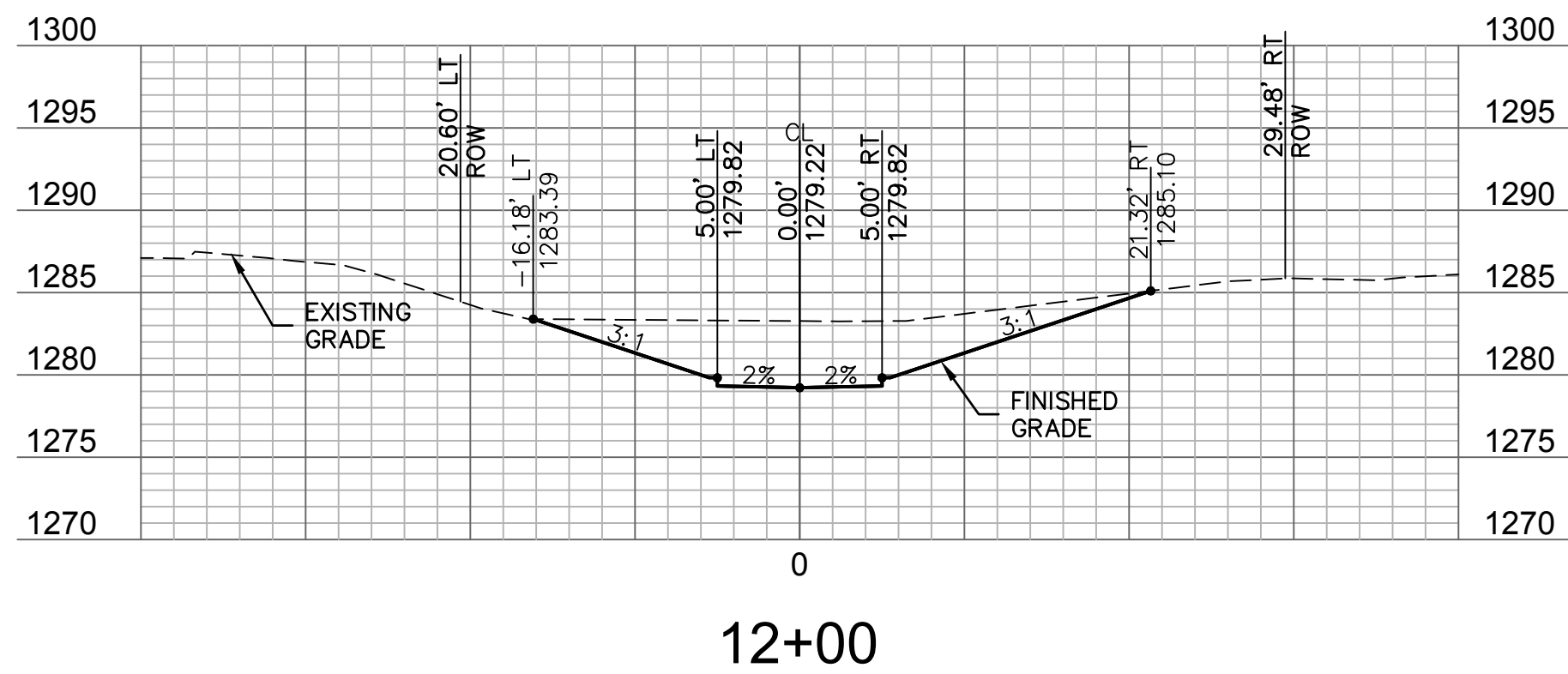
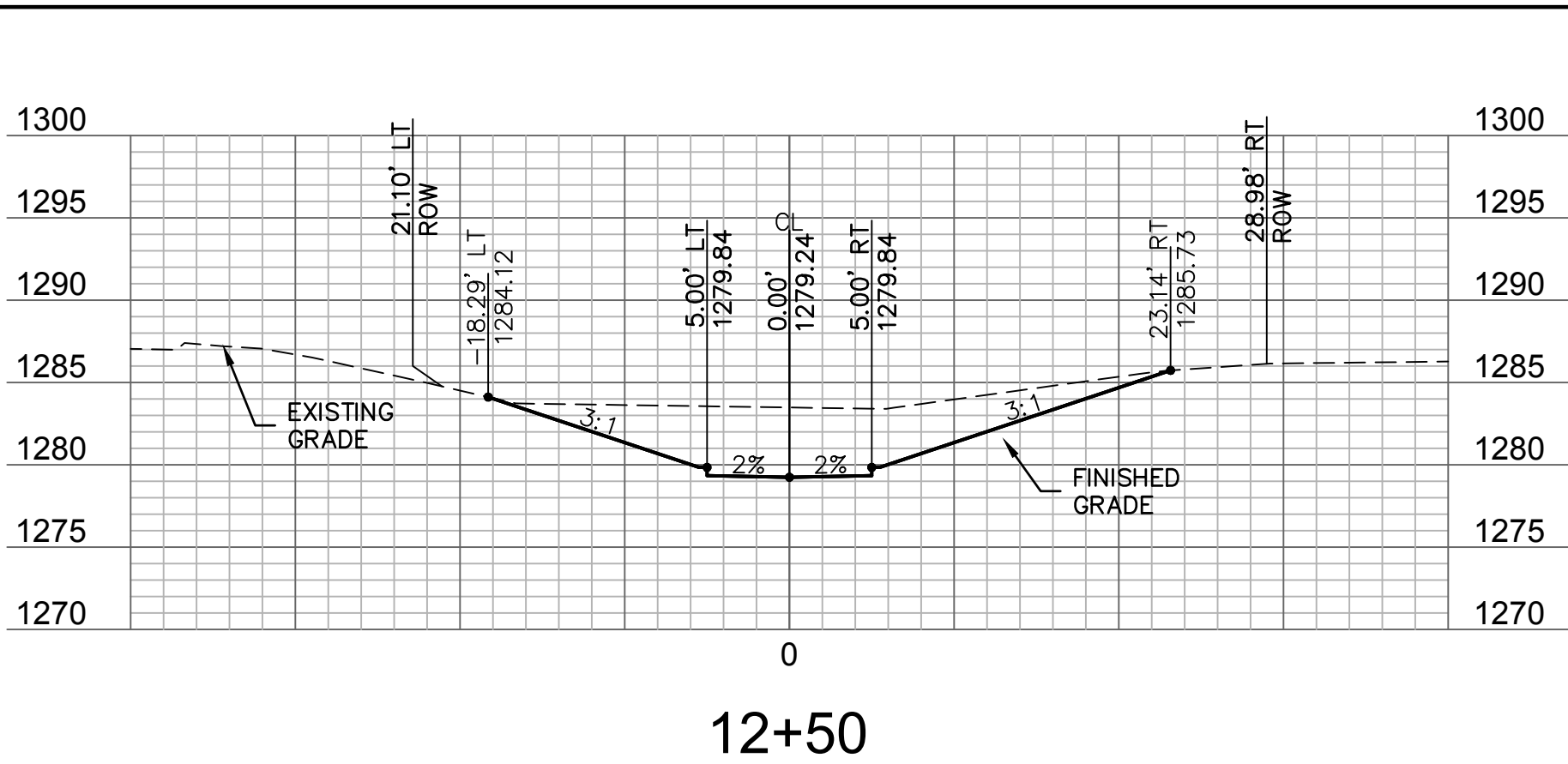
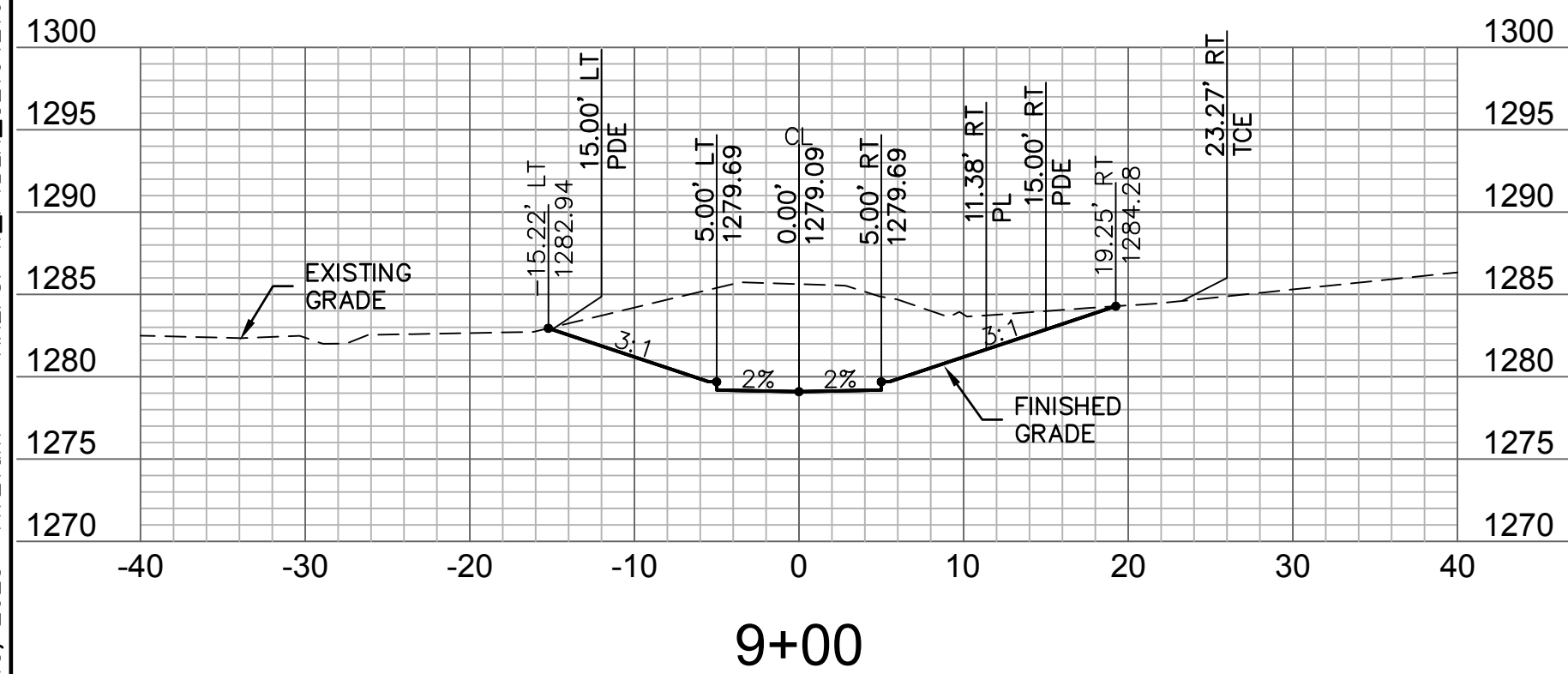
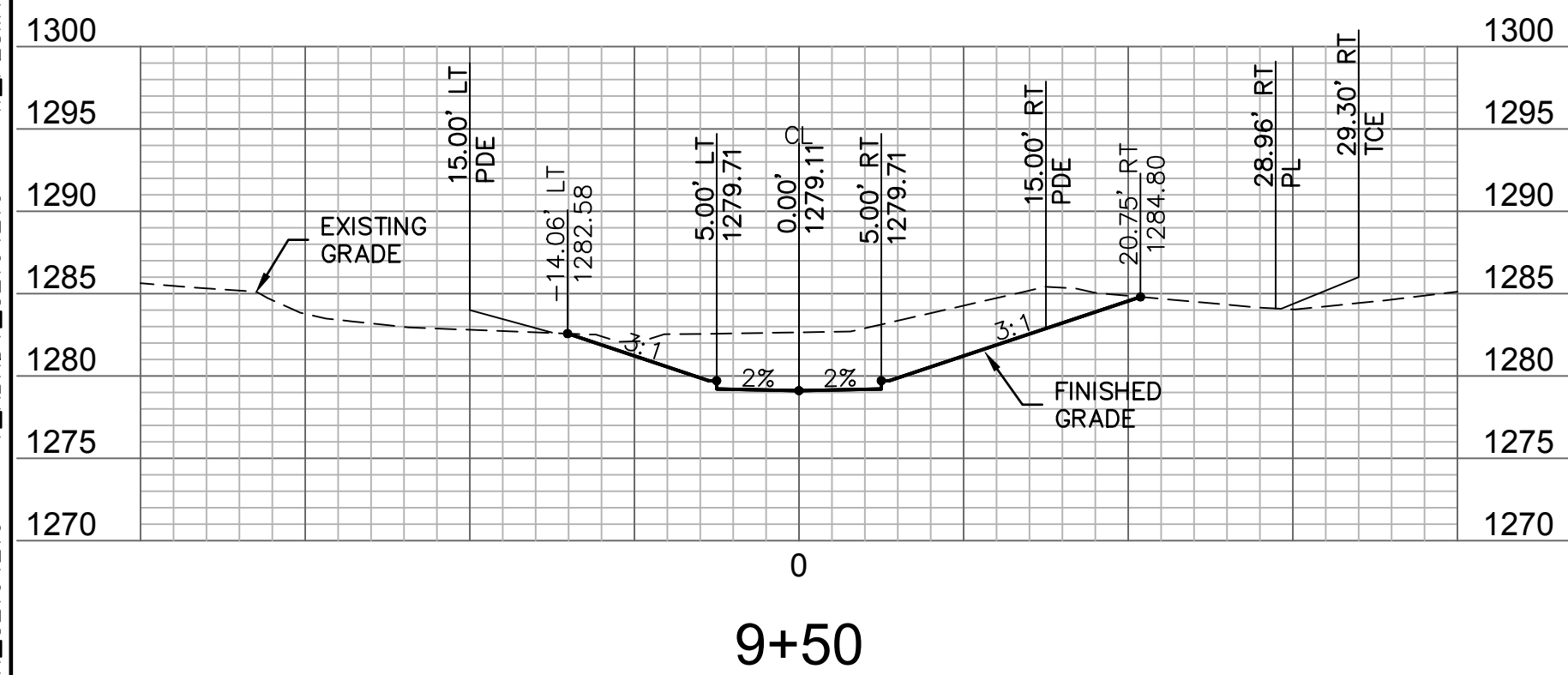
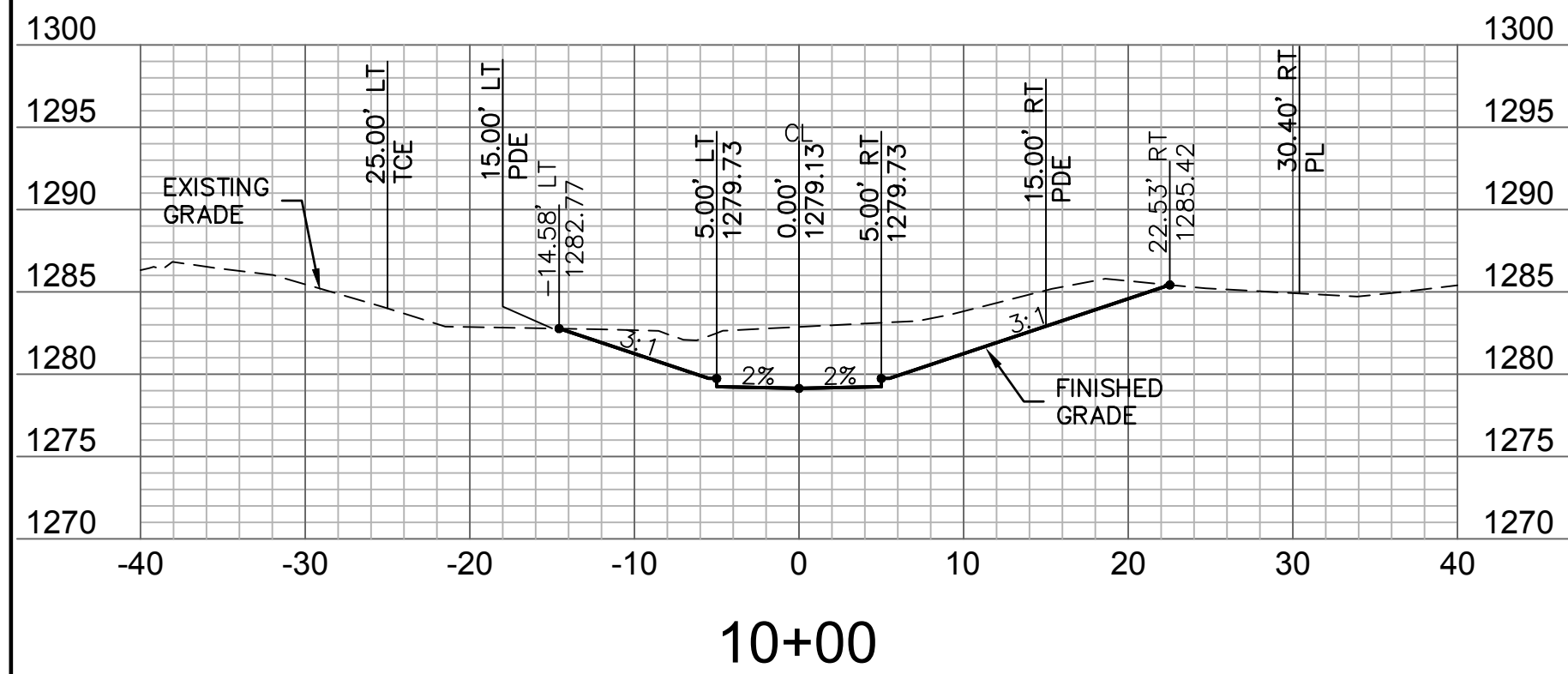
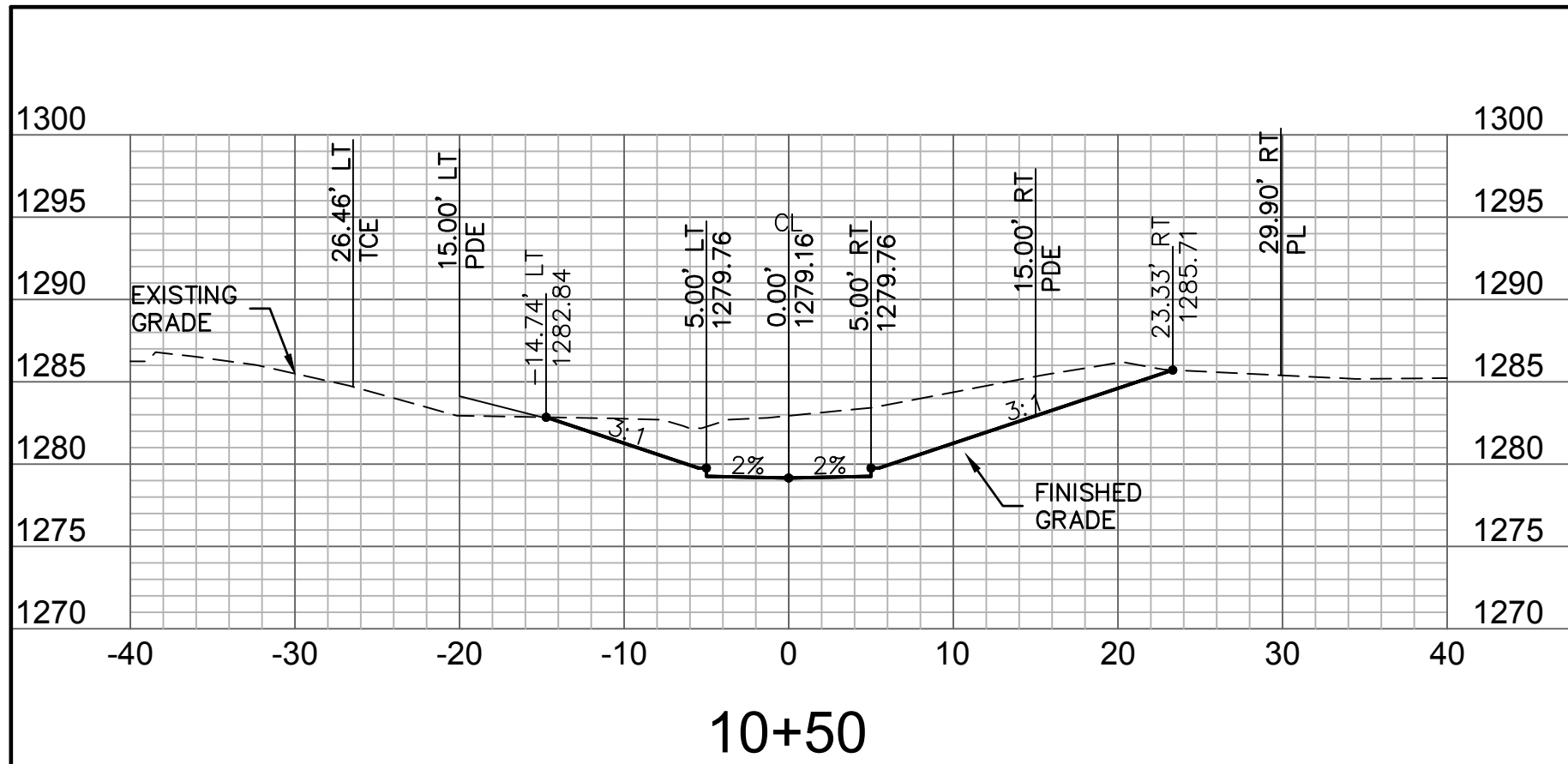
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checked by: _____ JDA
approved by: _____ EJS
QA/QC by: _____ EJS
project no.: _____ 021-04210-G
drawing no.: W_PAV01_G2104210
date: _____ 09.13.2023

SHEET
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LEGEND	
	LIMITS OF GRADING
	ASPHALT STREET
	ASPHALT PAVEMENT REPAIR
	BRICK
	COMMERCIAL DRIVEWAY
	CONCRETE CHANNEL
	CONCRETE STREET
	CONCRETE TRAIL
	GRAVEL (CLASS 8 AGGREGATE BASE COURSE)
	RESIDENTIAL DRIVEWAY
	SIDEWALK
EP	EDGE OF PAVEMENT
SW	EDGE OF SIDEWALK
TC	TOP OF CURB
LO	LOW OPENING OF PROPOSED STRUCTURE
CG	CENTERLINE OF GUTTER





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CROSS SECTIONS - CONCRETE CHANNEL 2023	REV. NO.	DATE	REVISIONS DESCRIPTION	BY
SW 10TH STREET & SW F STREET STORMWATER IMPROVEMENTS BENTONVILLE, AR	REVISIONS			

drawn by: _____ KTF

checked by: _____ JDA

approved by: _____ EJS

QA/QC by: _____ EJS

project no.: _____ 021-04210-G

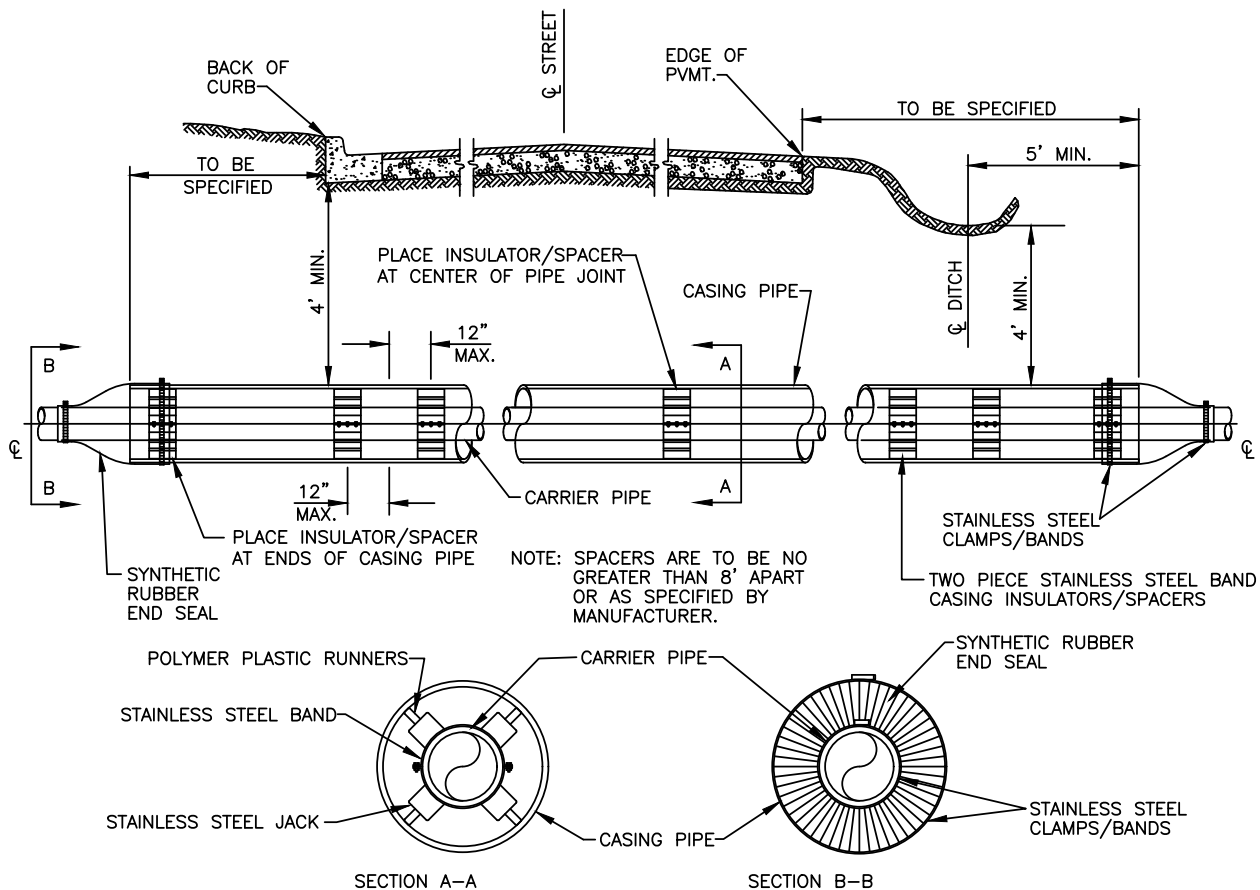
drawing no.: W_XSEC G2104210

date: _____ 09.13.2023

SHEET

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ENCASEMENT DETAIL



CARRIER & CASING SIZES									
CARRIER	4"	6"	8"	10"	12"	14"	16"	18"	20"
CASING	16"	16"	16"	18"	20"	24"	30"	30"	36"
CASING/WALL THICKNESS	.219	.219	.219	.250	.281	.344	.406	.406	.500

NOTE: DUCTILE IRON, OR PVC PIPE REQUIRED FOR WATER, OR SEWER.

*ALL BELLS SHALL BE RESTRAINED INSIDE ENCASEMENT BY APPROVED METHOD.

Bentonville Water Utilities

Approved for ADH review

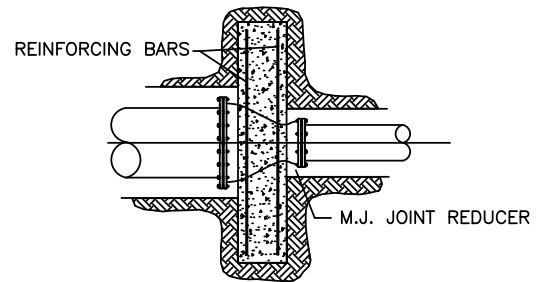
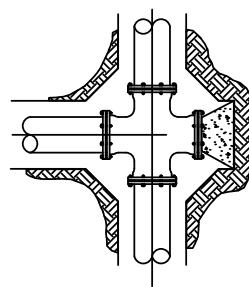
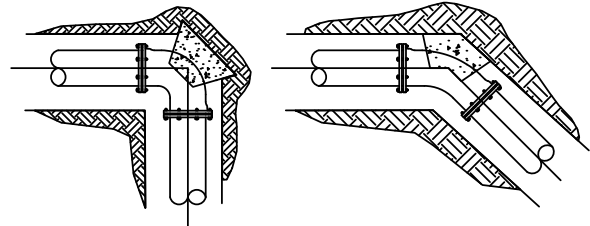
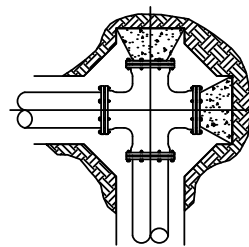
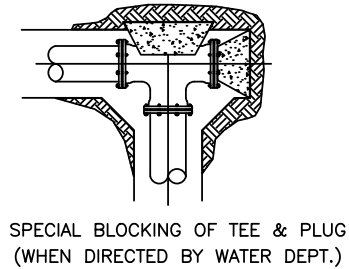
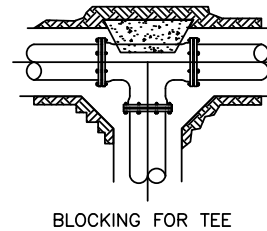
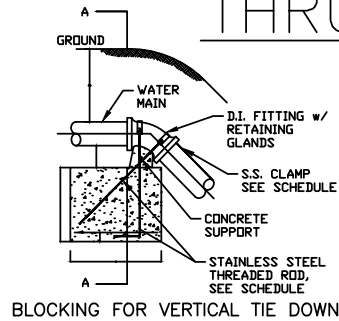
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04/04/2023 2:59:40 PM



DRAWN BY: JI	CHECKED BY: PN
GEN WATER/SEWER DETAIL: GWS01	
LAST REVISION DATE: 01/27/2020	
APPROVED:	06/22/2021

THRUST BLOCKING



- NOTES
1. ALL BLOCKING SHALL BE AGAINST UNDISTURBED SOIL USING 4,000 PSI CONCRETE.
 2. WHERE SOIL CONDITIONS MAKE IT NECESSARY TO POUR CONCRETE OVER JOINTS, THE ENDS OF THE ADJACENT PIPES MUST HAVE A THRUST BLOCK TO RESIST MOVEMENT OF THESE JOINTS.
 3. WEIGHT CALCULATIONS TO BE BASED ON REACTION BACKING TABLE (SEE GWS03).
 4. WHEN BLOCKING AGAINST FITTINGS, FITTINGS SHALL BE COVERED WITH POLYETHYLENE WRAP TO PREVENT BONDING OF CONCRETE
 5. WHERE SHEAR BECOMES A PROBLEM PROPER REINFORCING MUST BE INSTALLED INTO THE BLOCKING.
 6. CLEARANCE SHALL BE A MINIMUM OF 6" BETWEEN PIPE AND OBSTRUCTIONS.
 7. CLEARANCE ON PIPES BELONGING TO OIL/GAS COMPANIES SHALL BE 18" UNLESS SPECIAL PERMISSION IS GIVEN BY THESE COMPANIES AND THE DEPARTMENT.
 8. 12" OF ALL THREAD EMBEDDED IN CONCRETE
 9. MIN. 5/8" ALL THREAD FOR SECTIONS 10FT OR UNDER



DRAWN BY: JI	CHECKED BY: PN
GEN WATER/SEWER DETAIL: GWS02	
LAST REVISION DATE: 01/27/2020	
APPROVED:	06/22/2021

REACTION BACKING TABLE

BLOCKING SCHEDULE						
PIPE SIZE	BENDS					ROD DIA.
		45°	22 1/2°	11 1/4°		
VOLUME REQ'D (CU. FT.)		98.5	50.2	25.2	3/4 IN.	
8"	A (FT.)	5.00'	4.00'	3.00'		
	B (FT.)	4.00'	3.20'	2.80'		
	C (FT.)	5.00'	4.00'	3.00'		
	MIN. CLAMP (2 EA.)		3/8 IN. x 2 IN.			
VOLUME REQ'D (CU. FT.)		209.5	106.8	53.7	3/4 IN.	
12"	A (FT.)	6.00'	5.00'	4.00'		
	B (FT.)	6.00'	4.25'	3.50'		
	C (FT.)	6.00'	5.00'	4.00'		
	MIN. CLAMP (2 EA.)		1/2 IN. x 2 IN.			
VOLUME REQ'D (CU. FT.)		457.2	233.1	117.1	1 IN.	
18"	A (FT.)	8.00'	6.50'	5.00'		
	B (FT.)	7.25'	5.50'	4.75'		
	C (FT.)	8.00'	6.50'	5.00'		
	MIN. CLAMP (2 EA.)		5/8 IN. x 3 IN.			
VOLUME REQ'D (CU. FT.)		800.3	408.0	205.0	1 1/4 IN.	
24"	A (FT.)	9.50'	7.50'	6.00'		
	B (FT.)	9.00'	7.25'	5.75'		
	C (FT.)	9.50'	7.50'	6.00'		
	MIN. CLAMP (2 EA.)		5/8 IN. x 3 IN.			
VOLUME CALCULATED ON THE BASIS OF CONCRETE REACTING THRUST ON THE RESPECTIVE BENDS UNDER AN INTERNAL PRESSURE OF 250 PSI, 50 PSI SURGE AND THE WEIGHT OF CONCRETE IS 150 POUNDS PER CU. FT.						

NOTES:

1. ALL FITTINGS SHALL BE MECHANICAL JOINTS.
2. DO NOT COVER BELLS OR FLANGES WITH CONCRETE.
3. WRAP ALL FITTINGS WITH POLY WRAP.
4. BACK ALL TEES ACCORDING TO SIZE OF BRANCH.
5. BACKING FUTURE LINE EXTENSIONS SHALL BE SUCH THAT LATER REMOVAL IS POSSIBLE.
6. ALL BENDS WHERE FITTINGS ARE USED, BOTH HORIZONTAL OR VERTICAL, SHALL BE BACKED WITH CONCRETE.
7. REACTION BACKING TABLE IS BASED ON 150 PSI AND SOIL BEARING PRESSURE OF 2,000 LB/SQ. FT. ADDITIONAL BACKING MAY BE REQUIRED IN SOME AREAS AS REQUIRED BY CITY WATER DEPARTMENT.

**Bentonville Water
Utilities**

**Approved for ADH
review**

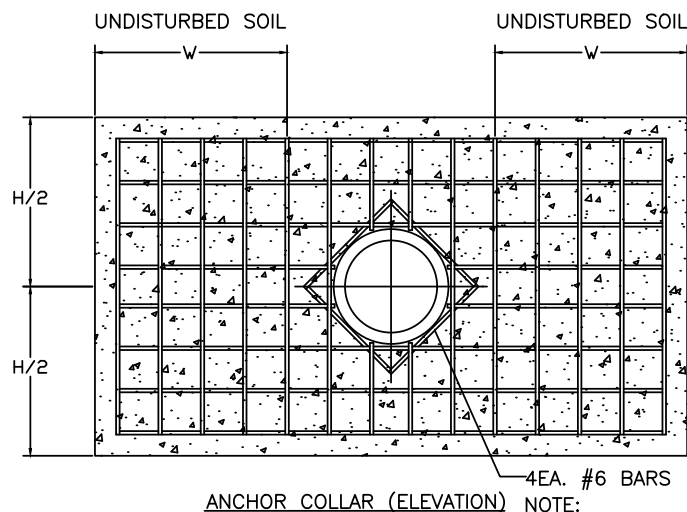
John Jones
04/04/2023 2:59:17 PM



DRAWN BY: JI	CHECKED BY: PN
GEN WATER/SEWER DETAIL: GWS03	
LAST REVISION DATE: 01/27/2020	
APPROVED:	06/22/2021

ANCHOR COLLAR SPECIFICATIONS

ANCHOR COLLAR SCHEDULE							
PIPE SIZE	DIMENSIONS				REINFORCING BARS		
	W	H	T	M	"A" BARS	"B" BARS	
6"	1.5'	2.0'	1.0'	M.J. RETAINER GLAND	#6@6"	#6@6"	
8"	1.5'	2.5'	1.0'	M.J. RETAINER GLAND	#6@6"	#6@6"	
12"	2.0'	4.0'	1.5'	M.J. RETAINER GLAND	#6@6"	#6@6"	
16"	3.0'	4.5'	1.5'	M.J. RETAINER GLAND	#6@6"	#6@6"	
20"	3.0'	5.0'	2.0'	M.J. RETAINER GLAND	#6@6"	#6@6"	
24"	3.5'	5.5'	2.0'	M.J. RETAINER GLAND	#7@6"	#6@10"	
30"	6.5'	6.0'	2.5'	4"	#8@6"	#7@10"	
36"	7.0'	7.0'	2.5'	4"	#8@6"	#7@10"	



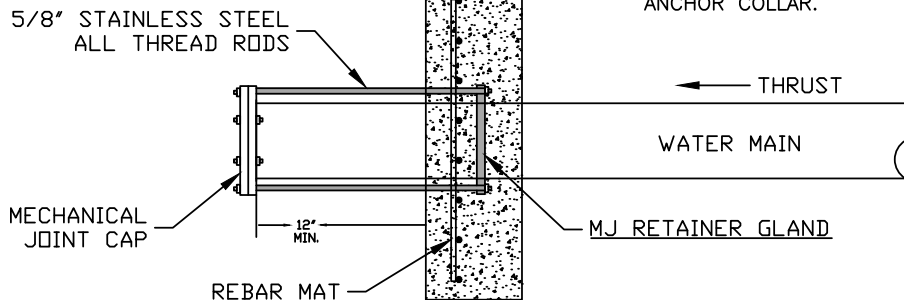
ANCHOR COLLAR (ELEVATION)

ROD REQUIREMENTS	
MAIN SIZE	NO. OF RODS
6"	2
8"	4
12"	4
16"	6
24"	6
30"	8
36"	8

NOTE:
USE M.J. RETAINER GLANDS FOR
PIPE 24" AND SMALLER.

NOTE:
PIPE SURFACES SHALL BE CLEANED
OF ALL FOREIGN MATERIAL BEFORE
4000 PSI CONCRETE COLLAR IS POURED.

NOTE:
ON DEAD END LINE, PIPE MUST EXTEND AT
LEAST 12" FROM THE OUTSIDE EDGE OF
ANCHOR COLLAR.



ANCHOR COLLAR (SIDE)

NOTE:
ALL-THREAD STEEL RODS SHALL BE
5/8" STAINLESS STEEL WITH STAINLESS
STEEL HARDWARE.

**Bentonville Water
Utilities**

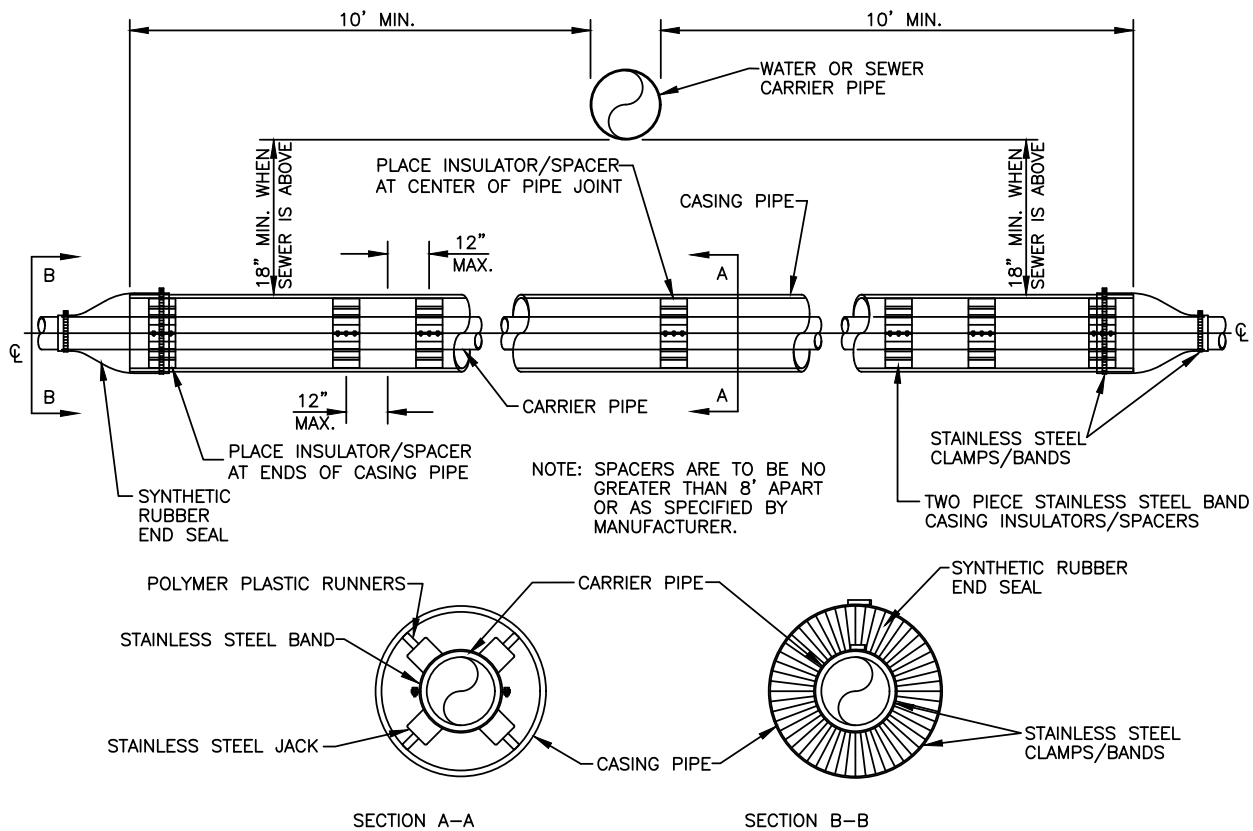
**Approved for ADH
review**

John Smith
4/04/2023 2:59:11 PM



DRAWN BY: JI	CHECKED BY: PN
GEN WATER/SEWER DETAIL: GWS04	
LAST REVISION DATE: 01/27/2020	
APPROVED:	06/22/2021

ENCASEMENT CROSSING DETAIL



CARRIER & CASING SIZES									
CARRIER	4"	6"	8"	10"	12"	14"	16"	18"	20"
CASING	16"	16"	16"	18"	20"	24"	30"	30"	36"
CASING/WALL THICKNESS	.219	.219	.219	.250	.281	.344	.406	.406	.500

NOTE: DUCTILE IRON, OR PVC PIPE REQUIRED FOR WATER, OR SEWER.

*ALL BELLS SHALL BE RESTRAINED BY APPROVED METHOD.

Bentonville Water Utilities

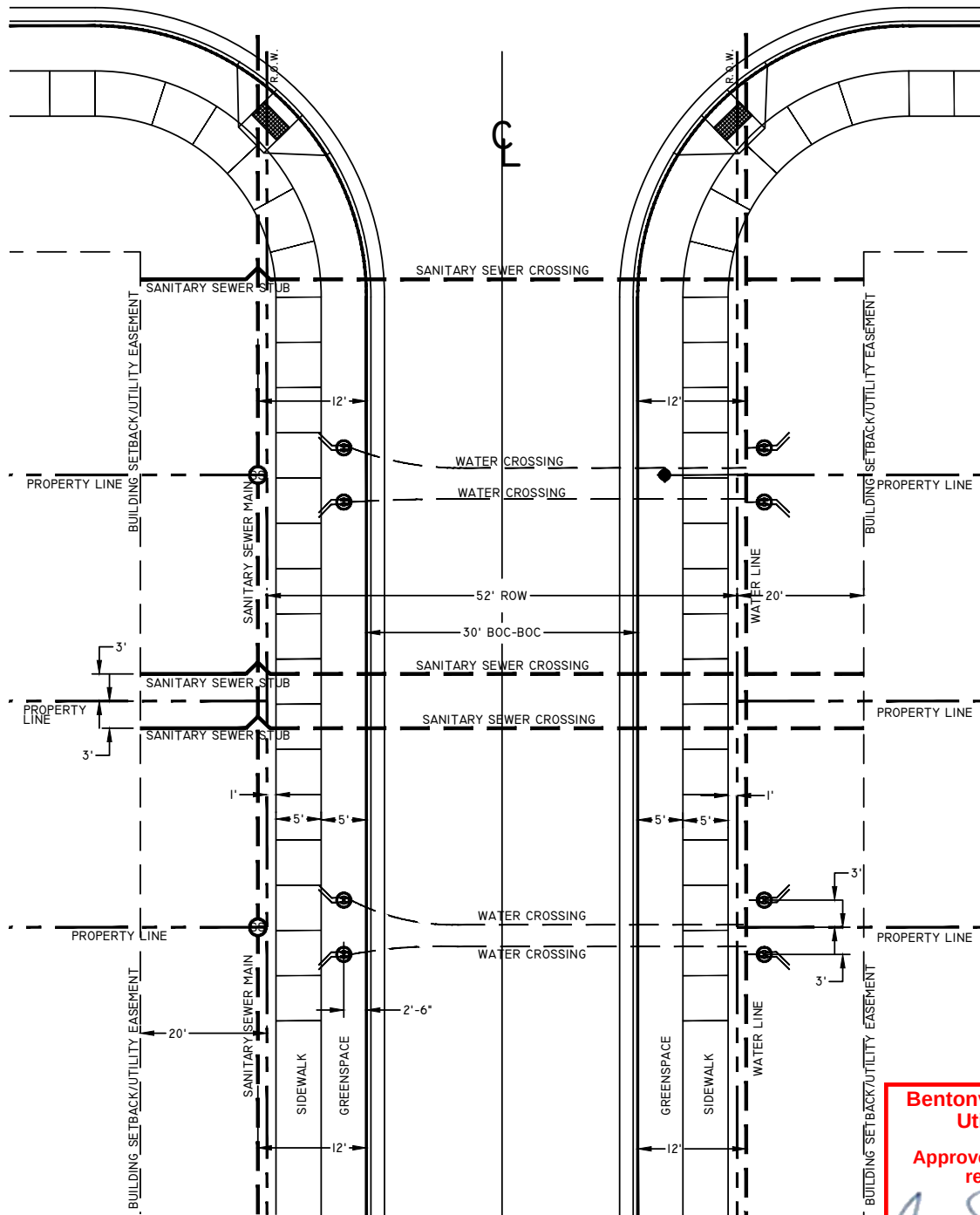
Approved for ADH review

John Smith
 4/04/2023 2:59:01 PM



DRAWN BY: JI	CHECKED BY: PN
GEN WATER/SEWER DETAIL: GWS05	
LAST REVISION DATE: 01/27/2020	
APPROVED:	06/22/2021

SUBDIVISION UTILITY PLACEMENT



UTILITY SEPARATIONS:

- 10' HORZ. BETWEEN WATER & SEWER
- 18" VERT. BETWEEN WATER & SEWER
- 5' HORZ. BETWEEN ELECTRIC & WATER OR SEWER(MAINS)
- 18" MIN. VERT. BETWEEN ELEC. & WATER OR SEWER
- 12" MIN. HORZ. BETWEEN ELEC. & FRANCHISE UTIL.
- 12" MIN. VERT. BETWEEN SECONDARY CONDUIT AND WATER & SEWER

**Bentonville Water
Utilities**

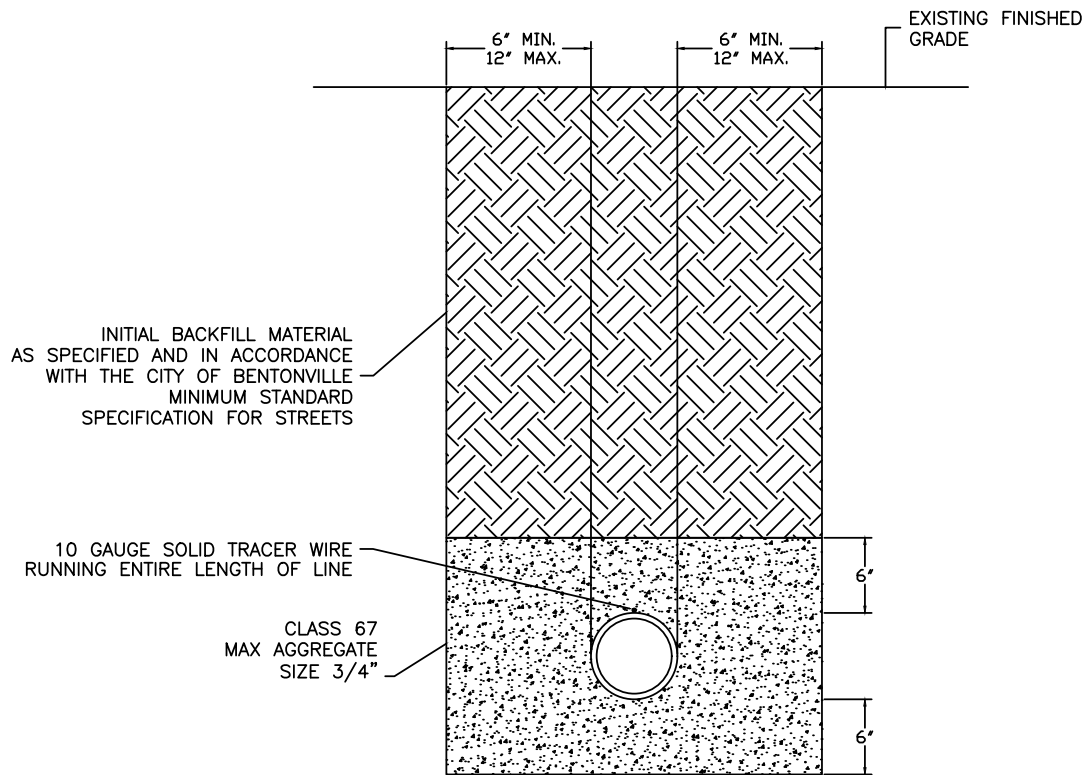
**Approved for ADH
review**

[Signature]
04/04/2023 2:58:51 PM



DRAWN BY: JI	CHECKED BY: PN
GEN WATER/SEWER DETAIL: GWS06	
LAST REVISION DATE: 01/27/2020	
APPROVED:	06/22/2021

TYPICAL BEDDING DETAIL



* REFER TO STREET SPECIFICATIONS FOR STREET REPAIR INFORMATION

**Bentonville Water
Utilities**

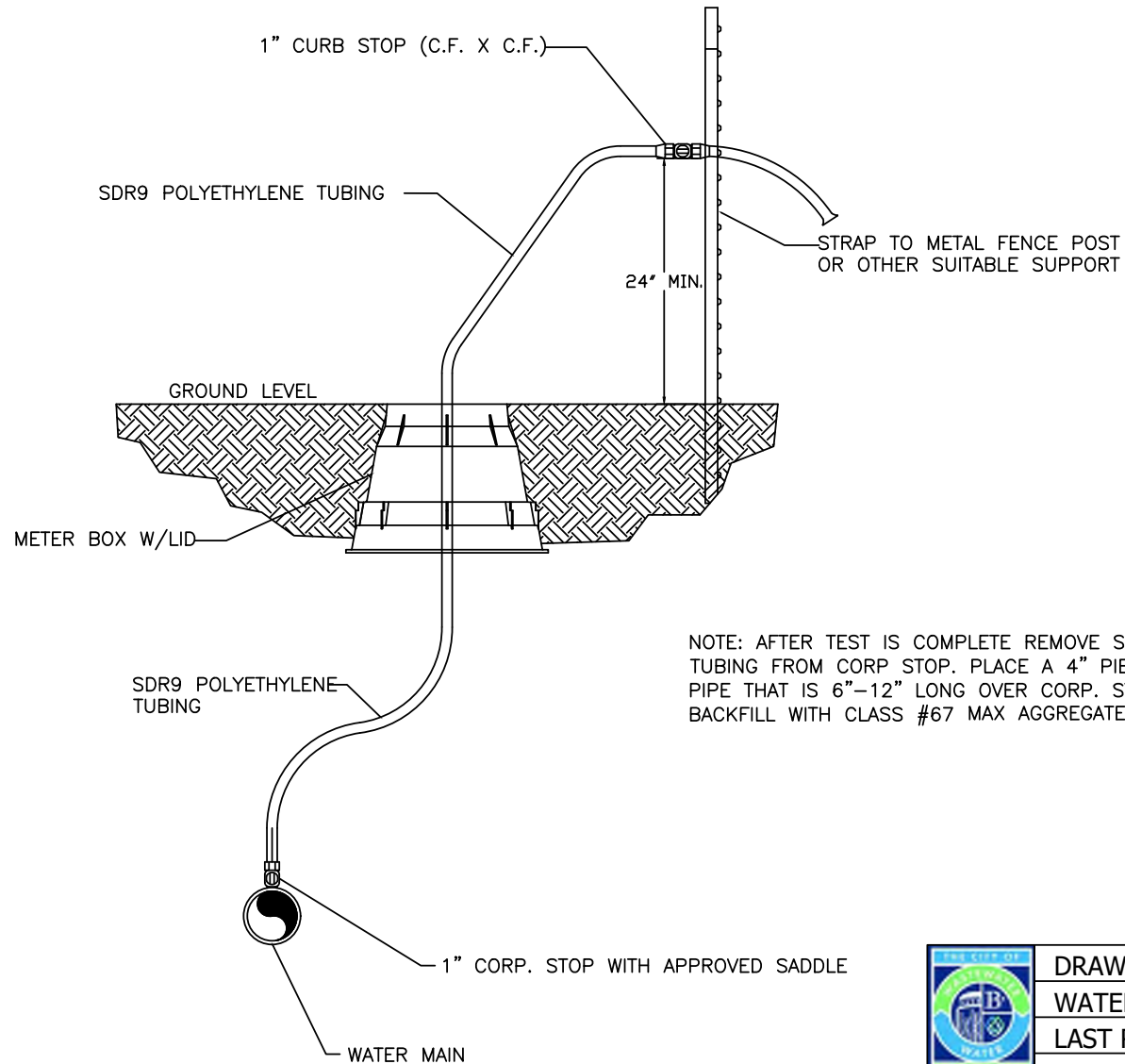
**Approved for ADH
review**

[Signature]
04/04/2023 2:58:39 PM



DRAWN BY: JI	CHECKED BY: PN
GEN WATER/SEWER DETAIL: GWS07	
LAST REVISION DATE: 01/27/2020	
APPROVED:	06/22/2021

TEMPORARY 1" BLOW OFF ASSEMBLY SAMPLE POINTS



**Bentonville Water
Utilities**

**Approved for ADH
review**

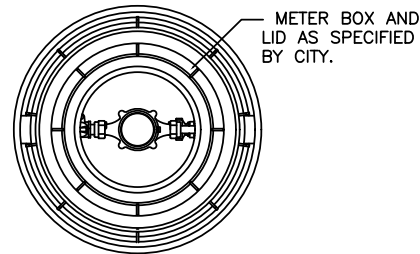
John Doe
04/04/2023 2:58:30 PM



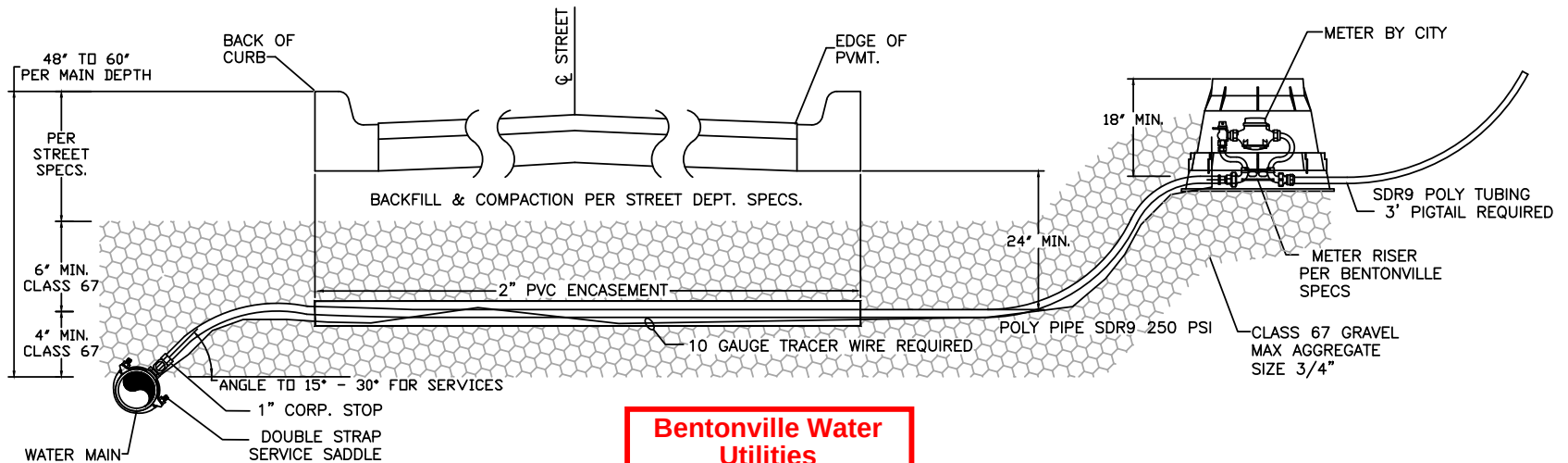
DRAWN BY: JI	CHECKED BY: PN
WATER DETAIL: W01	
LAST REVISION DATE: 01/27/2020	
APPROVED:	06/22/2021

WATER SERVICE DETAIL 1''

NOTE:
1" SDR9 POLY TUBING WILL
SUPPLY WATER ONLY TO A SINGLE
1" METER SERVICE.



SINGLE SET



**Bentonville Water
Utilities**

**Approved for ADH
review**

Jim Jones

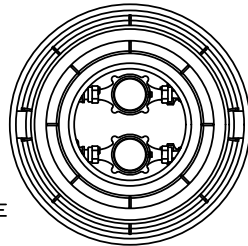
04/04/2023 2:58:20 PM



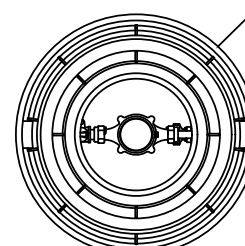
DRAWN BY: JI	CHECKED BY: PN
WATER DETAIL: W02	
LAST REVISION DATE: 01/27/2020	
APPROVED:	06/22/2021

WATER SERVICE DETAIL 5/8"

NOTE:
1" TUBING WILL
SUPPLY WATER TO A SINGLE
5/8" METER SERVICE OR A DOUBLE
5/8" METER SERVICE.

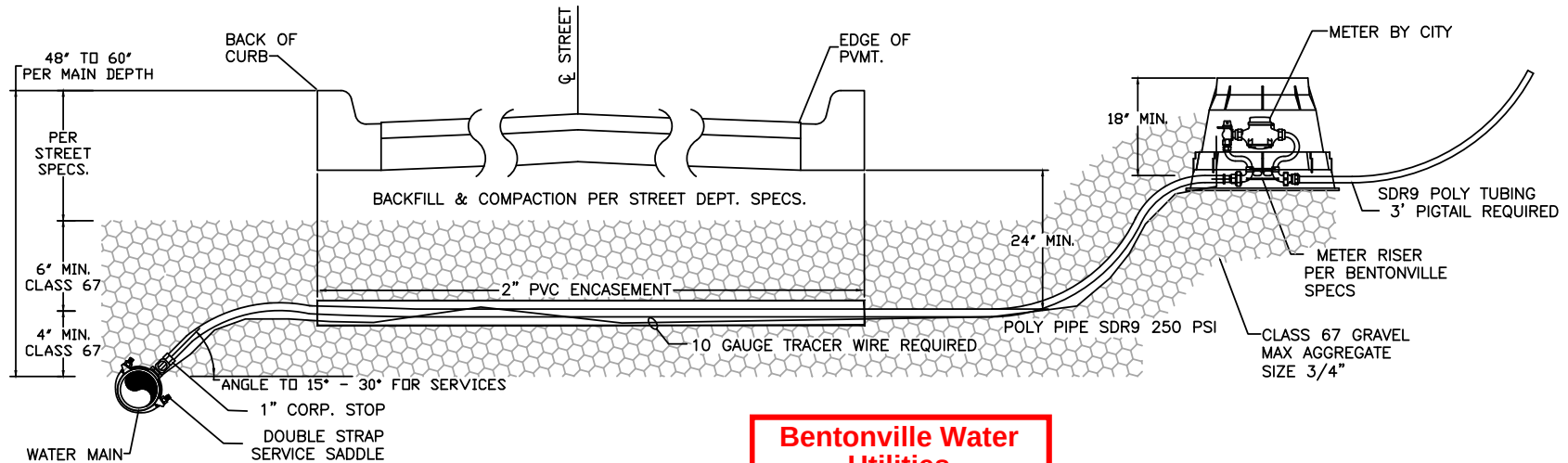


DOUBLE SET



SINGLE SET

METER BOX AND
LID AS SPECIFIED
BY CITY.



**Bentonville Water
Utilities**

Approved for ADH
review

John Jones

04/04/2023 2:58:10 PM



DRAWN BY: JI	CHECKED BY: PN
WATER DETAIL: W03	
LAST REVISION DATE: 01/27/2020	
APPROVED:	06/22/2021

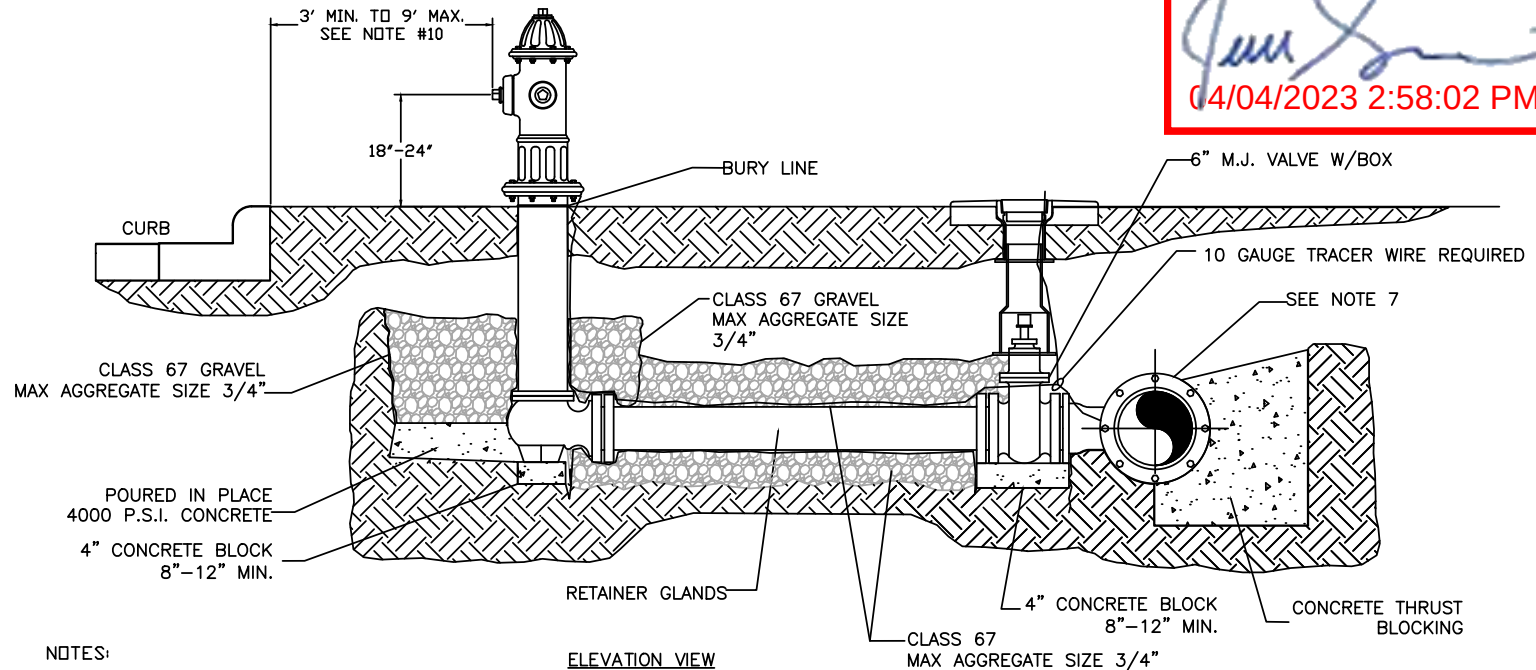
FIRE HYDRANT DETAIL W/ RETAINER GLANDS

**Bentonville Water
Utilities**

**Approved for ADH
review**

John Smith

04/04/2023 2:58:02 PM



NOTES:

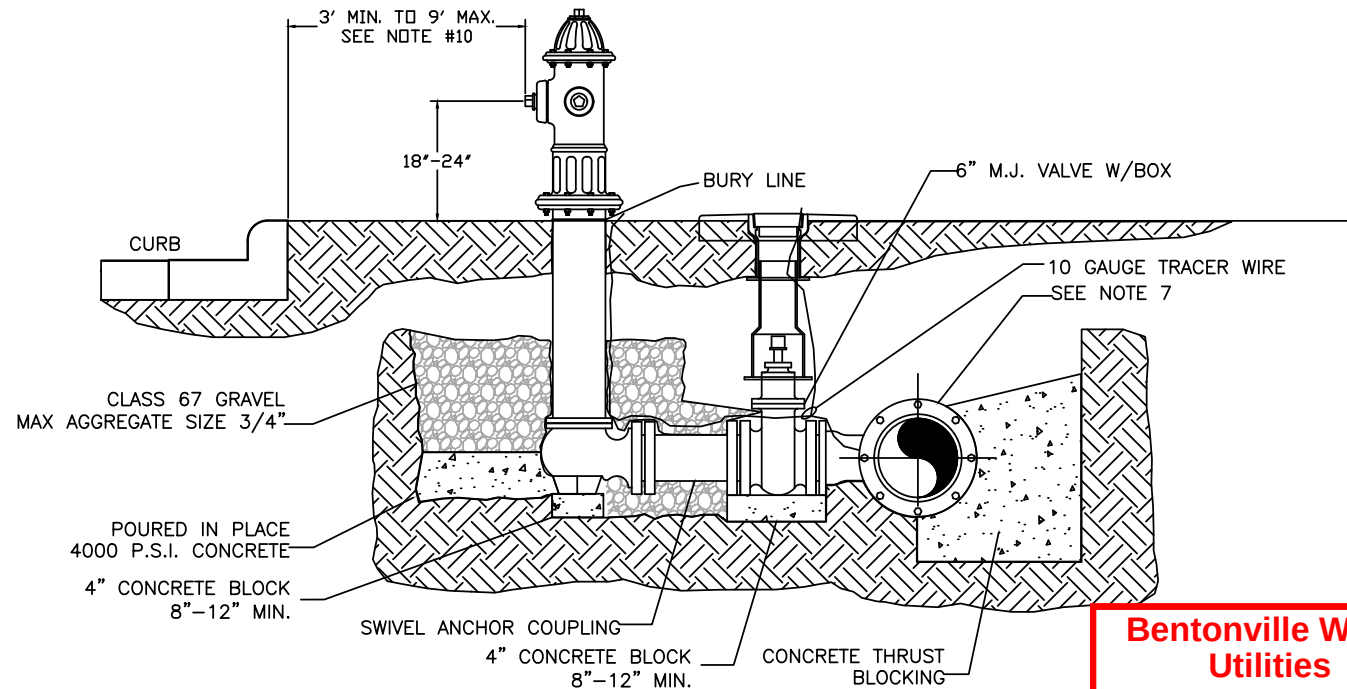
ELEVATION VIEW

1. DRAINAGE BED SHALL CONSIST OF CLASS 67 GRAVEL WITH A MAX AGGREGATE SIZE OF 3/4".
2. USE 6" NIPPLE WITH M.J. RETAINER GLANDS IF DISTANCE BETWEEN VALVE AND HYDRANT MUST BE GREATER THAN 13" SWIVEL ADAPTER.
3. FIRE HYDRANT TO BE BLOCKED AGAINST FIRM SOIL AS SHOWN.
4. ALL HYDRANTS SHALL BE INSTALLED PLUMB.
5. LARGE NOZZLE SHALL FACE CURB UNLESS OTHERWISE NOTED. ROTATE BARREL AS REQUIRED.
6. HYDRANT SHOULD NOT BE SET CLOSER THAN 4.0' TO OBSTRUCTIONS THAT ARE IN LINE WITH NOZZLE.
7. M.J. ANCHOR TEE, TAPPING SLEEVE OR TAPPING SADDLE MAY BE USED (SEE MATERIAL SPECIFICATIONS)
8. HYDRANTS TO BE SET AT DEPTHS GREATER THAN 6.0' SHALL BE SET WITH A MODIFIED FIRE HYDRANT SETTING.
9. POLYWRAP ENTIRE HYDRANT ASSEMBLY. DO NOT COVER WEEP HOLE DRAIN.
10. HYDRANTS WILL BE SET AT A MINIMUM OF 3' TO A MAXIMUM OF 9' BACK OF CURB OR EDGE OF DRAINING SURFACE, NOT IN SIDEWALK, FIRE LANE, OR RADIUS OR AS DIRECTED BY BENTONVILLE WATER DEPARTMENT.



DRAWN BY: JI	CHECKED BY: PN
WATER DETAIL: W04	
LAST REVISION DATE: 03/16/2021	
APPROVED:	06/22/2021

FIRE HYDRANT DETAIL W/SWIVEL ANCHOR COUPLING



ELEVATION VIEW

NOTES:

1. DRAINAGE BED SHALL CONSIST OF CLASS 67 GRAVEL WITH A MAX AGGREGATE SIZE OF 3/4\".
2. M.J. RETAINER GLANDS IF DISTANCE BETWEEN VALVE AND HYDRANT MUST BE GREATER THAN 13\" SWIVEL ADAPTER.
3. FIRE HYDRANT TO BE BLOCKED AGAINST FIRM SOIL AS SHOWN.
4. ALL HYDRANTS SHALL BE INSTALLED PLUMB.
5. LARGE NOZZLE SHALL FACE CURB UNLESS OTHERWISE NOTED. ROTATE BARREL AS REQUIRED.
6. HYDRANT SHOULD NOT BE SET CLOSER THAN 4.0' TO OBSTRUCTIONS THAT ARE IN LINE WITH NOZZLE.
7. M.J. ANCHOR TEE, TAPPING SLEEVE OR TAPPING SADDLE MAY BE USED (SEE MATERIAL SPECIFICATIONS)
8. HYDRANTS TO BE SET AT DEPTHS GREATER THAN 6.0' SHALL BE SET WITH A MODIFIED FIRE HYDRANT SETTING.
9. POLYWRAP ENTIRE HYDRANT ASSEMBLY. DO NOT COVER WEEP HOLE DRAIN.
10. HYDRANTS WILL BE SET AT A MINIMUM OF 3' TO A MAXIMUM OF 9' BACK OF CURB, NOT IN SIDEWALK, FIRE LANE, OR RADIUS OR AS DIRECTED BY BENTONVILLE WATER DEPARTMENT.

Bentonville Water Utilities

Approved for ADH review

John Smith

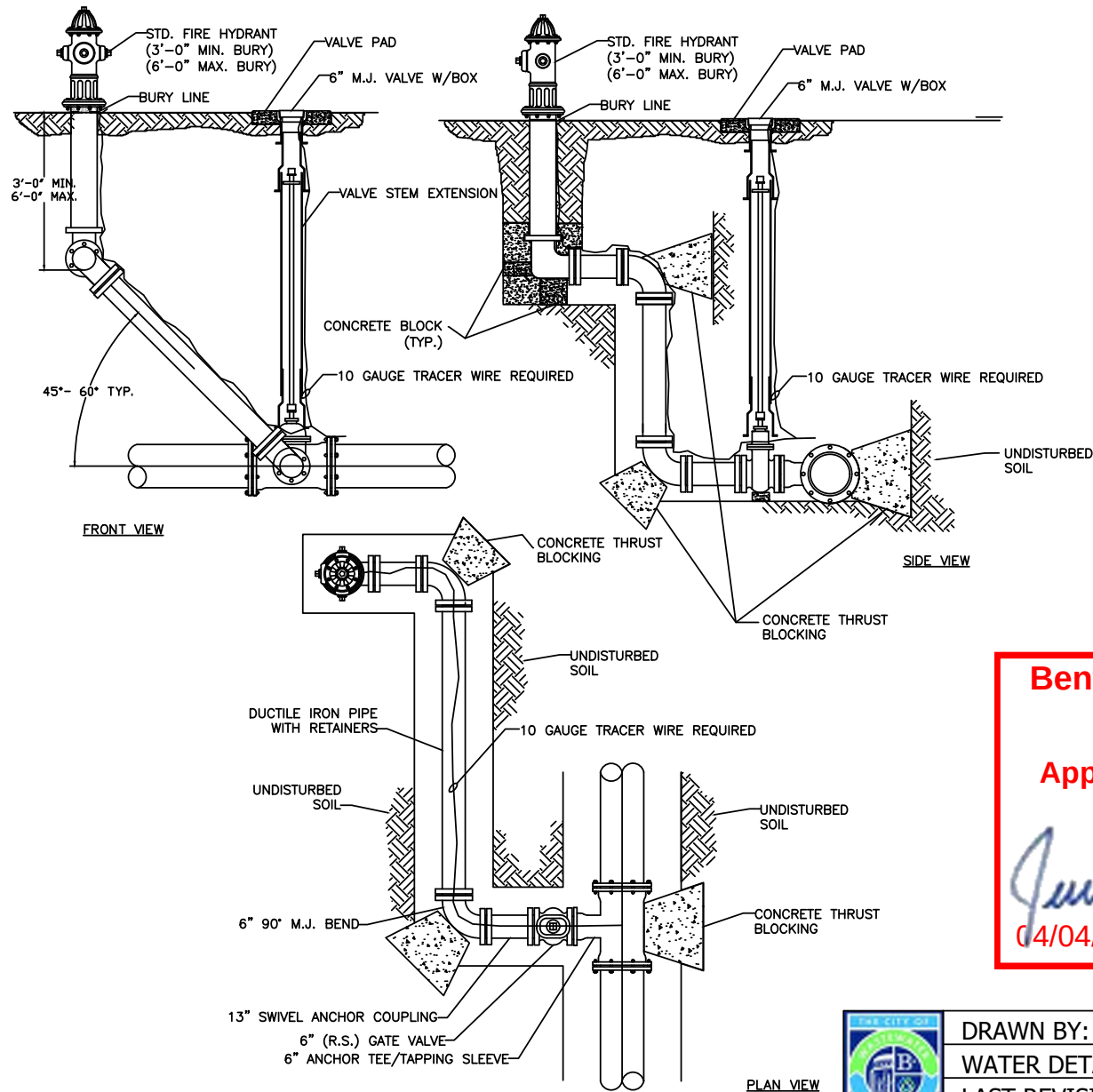
04/04/2023 2:57:43 PM



DRAWN BY: JI	CHECKED BY: PN
WATER DETAIL: W05	
LAST REVISION DATE: 03/16/2021	
APPROVED:	06/22/2021

DEEP BURY FIRE HYDRANTS

(BURY DEEPER THAN 6'-0")



Bentonville Water Utilities

Approved for ADH review

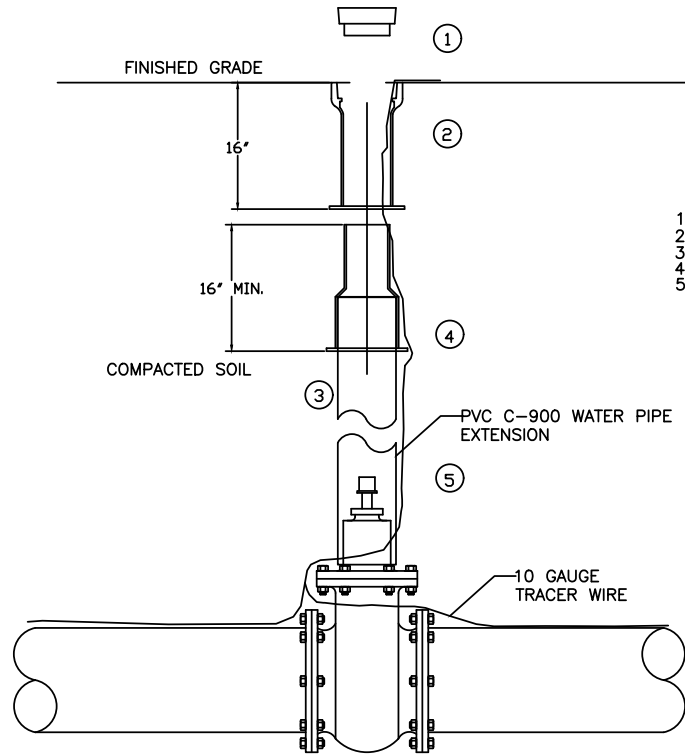
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04/04/2023 2:57:41 PM



DRAWN BY: JI	CHECKED BY: PN
WATER DETAIL: W06	
LAST REVISION DATE: 03/16/2021	
APPROVED:	06/22/2021

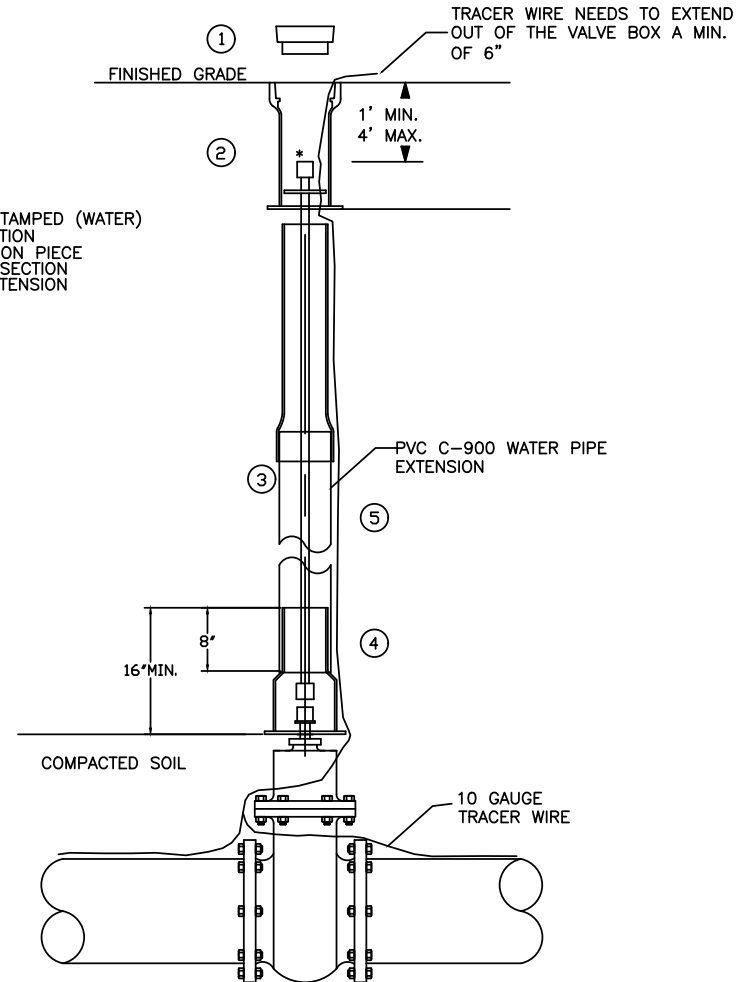
VALVE BOX VALVE STEM & TRACER WIRE INSTALLATION



- LIST OF MATERIAL
1. CAST IRON COVER STAMPED (WATER)
 2. CAST IRON TOP SECTION
 3. PVC C-900 EXTENSION PIECE
 4. CAST IRON BOTTOM SECTION
 5. PVC WATER PIPE EXTENSION

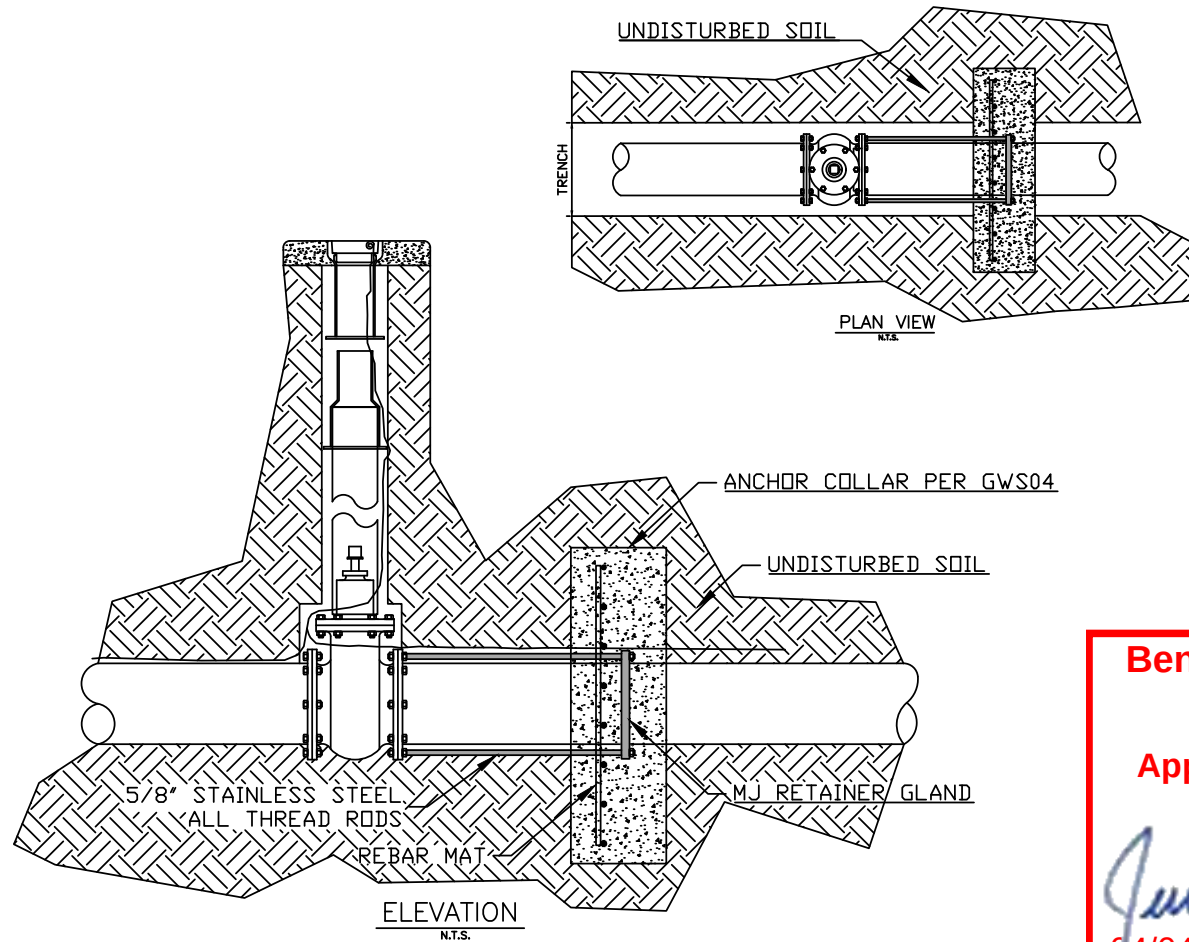
NOTES:

1. IF EXTENSION PIECE IS NEEDED, PVC C-900 WATER PIPE MAY BE USED.
2. EXTENSION PIECE CAN BE CUT TO LENGTH REQUIRED.
3. TRACER WIRE NEEDS TO EXTEND OUT OF THE VALVE BOX A MINIMUM OF 6"
- *PROVIDE VALVE STEM EXTENSION WITH CENTERING DEVICE IF GREATER THAN 4.0' DEEP.



DRAWN BY: JI	CHECKED BY: PN
WATER DETAIL: W07	
LAST REVISION DATE: 01/27/2020	
APPROVED:	06/22/2021

RESTRAINED GATE VALVE



**Bentonville Water
Utilities**

**Approved for ADH
review**

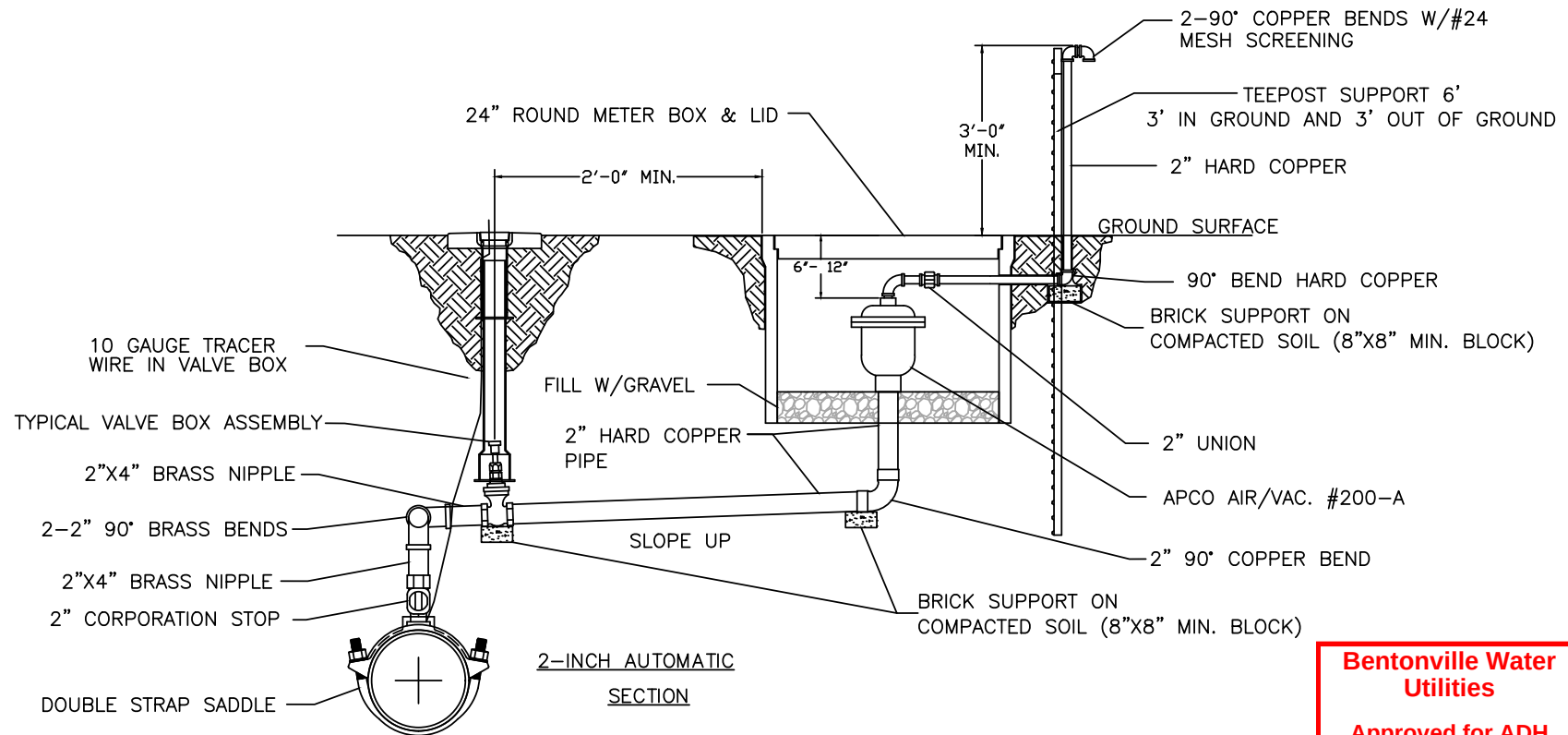
[Signature]

04/04/2023 2:57:27 PM



DRAWN BY: JI	CHECKED BY: PN
WATER DETAIL: W08	
LAST REVISION DATE: 01/27/2020	
APPROVED:	06/22/2021

2" COMBINATION AIR/VACUUM VALVE DETAIL



NOTES:

1. ALL THREADED CONNECTIONS SHALL HAVE A DOUBLE WRAP OF TEFLON TAPE ON THREADS.
2. DRILL HOLE IN SIDE OF METER BOX FOR OUTLET PIPING.
3. VALVES WILL BE PIPED TO POINT BEYOND PAVEMENT AND SHOULDER.

**Bentonville Water
Utilities**

**Approved for ADH
review**

[Signature]

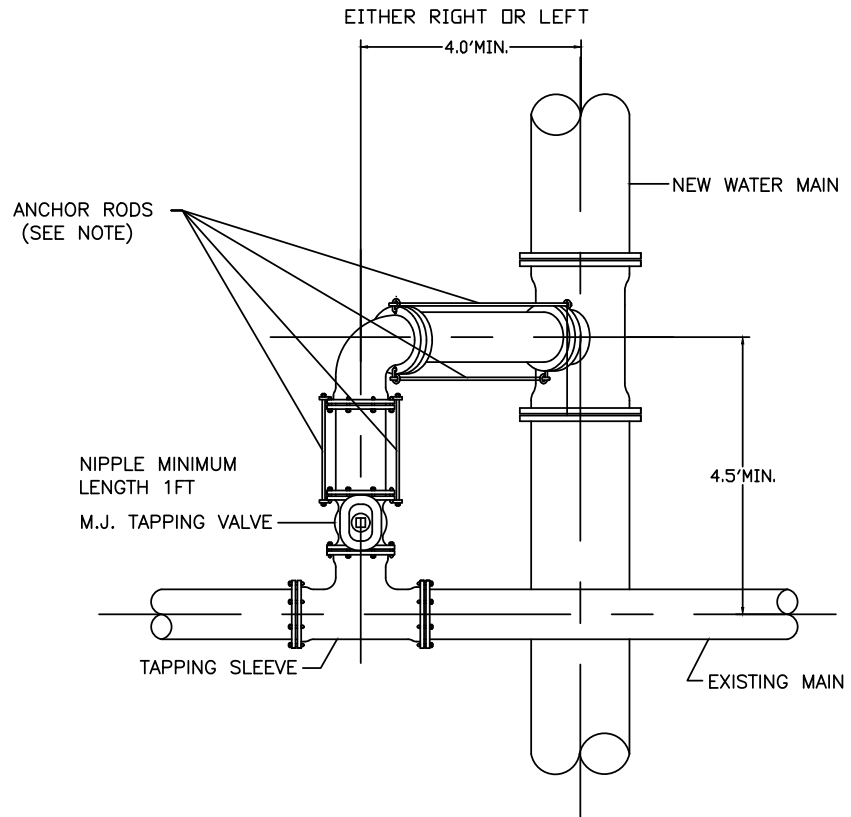
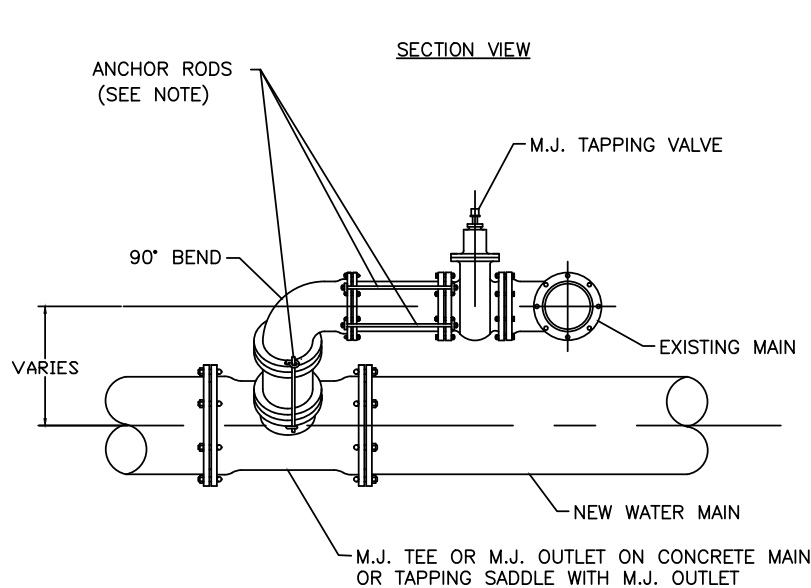
04/04/2023 2:57:20 PM



DRAWN BY: JI	CHECKED BY: PN
WATER DETAIL: W09	
LAST REVISION DATE: 01/27/2020	
APPROVED:	06/22/2021



SWING CONNECTION — NEW MAIN TO EXISTING MAIN



THRUST BLOCKING REQUIRED AT TEES AND ELBOWS.

PIPE SIZE	6"	8"	12"
RODS PER NIPPLE	2	2	4

NOTES:

1. CONTRACTOR SHALL LOCATE EXISTING MAIN IN ADVANCE OF LAYING NEW LINE IN ORDER TO ASSURE ADEQUATE LENGTH TO ADJUST DEPTH OF NEW MAIN.
2. DIMENSIONS SHOWN ARE RECOMMENDED MINIMUMS TO PROVIDE ADEQUATE ROOM FOR TIGHTENING BOLTS ON JOINTS. (OTHER DIMENSIONS MAY BE USED)
3. PROVIDE STAINLESS STEEL "ALL THREAD(MIN 5/8")" TIE RODS WITH EYE BOLTS FOR ANCHORING ALL JOINTS.
4. RODS SHALL BE FIELD CUT TO FIT & SHALL BE PROTECTED WITH POLYWRAP.
5. ROTATE TEE UP & ELBOW DOWN AS REQUIRED TO MATCH.
6. USE TYPICAL CONCRETE BLOCKING REQUIRED.

**Bentonville Water
Utilities**

**Approved for ADH
review**

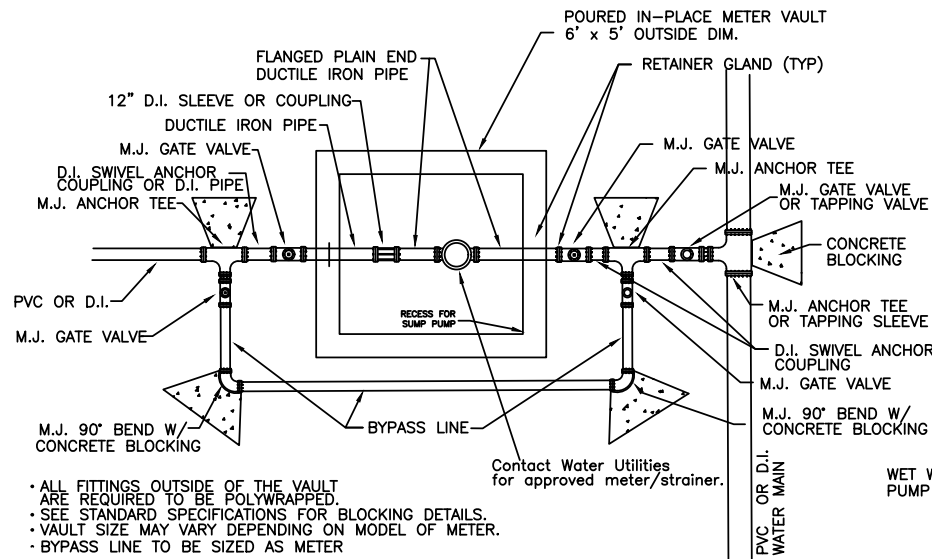
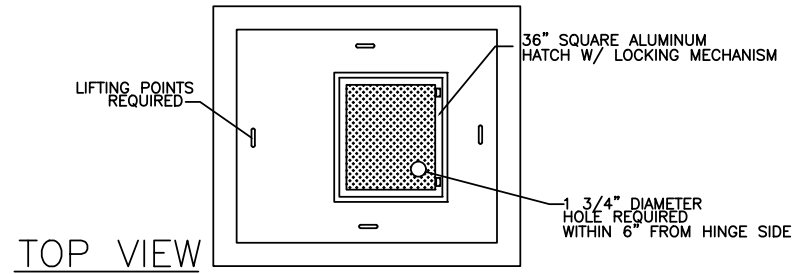
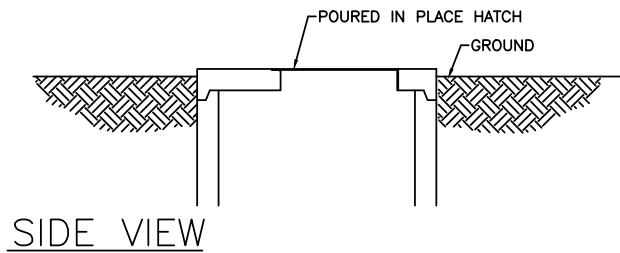
John Jones
04/04/2023 2:57:10 PM



DRAWN BY: JI	CHECKED BY: PN
WATER DETAIL: W11	
LAST REVISION DATE: 01/27/2020	
APPROVED:	06/22/2021

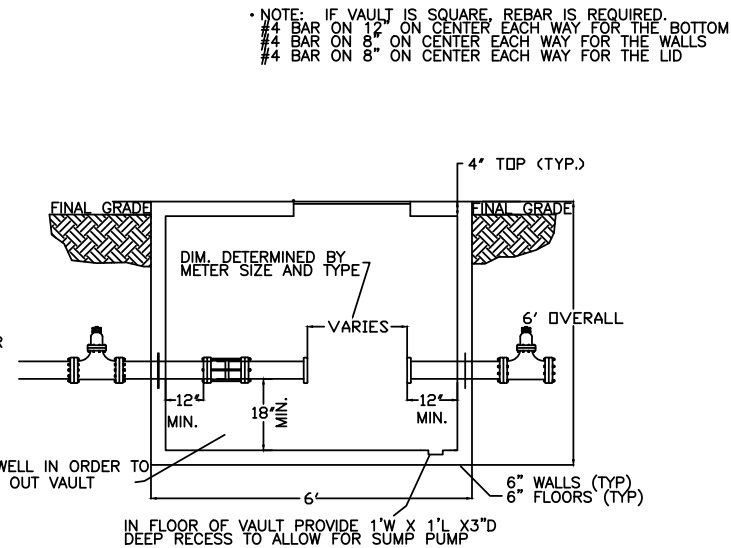
METER VAULT DETAIL FOR 4" – 8" METERS (TYPICAL)

(DIMENSIONS MAY VARY FOR METER SIZES)



- ALL FITTINGS OUTSIDE OF THE VAULT ARE REQUIRED TO BE POLYWRAPPED.
- SEE STANDARD SPECIFICATIONS FOR BLOCKING DETAILS.
- VAULT SIZE MAY VARY DEPENDING ON MODEL OF METER.
- BYPASS LINE TO BE SIZED AS METER

N.T.S.



- NOTE: IF VAULT IS SQUARE REBAR IS REQUIRED.
- #4 BAR ON 8" ON CENTER EACH WAY FOR THE BOTTOM
- #4 BAR ON 8" ON CENTER EACH WAY FOR THE WALLS
- #4 BAR ON 8" ON CENTER EACH WAY FOR THE LID

N.T.S.

Bentonville Water Utilities

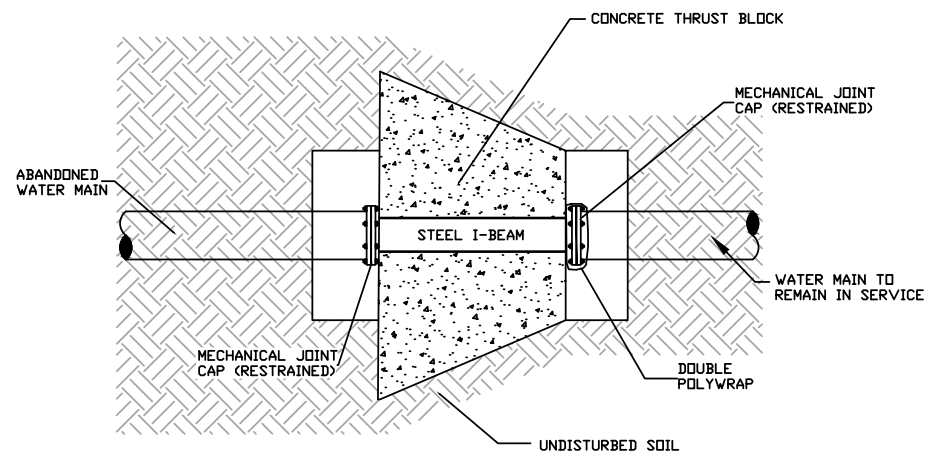
Approved for ADH review

John Smith
04/04/2023 2:57:02 PM

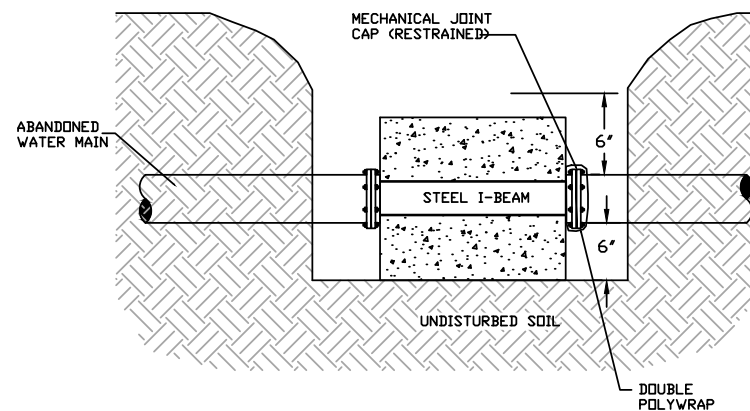


DRAWN BY: JI	CHECKED BY: PN
WATER DETAIL: W12	
LAST REVISION DATE: 01/27/2020	
APPROVED:	06/22/2021

TYPICAL CUT/CAP DETAIL



PLAN VIEW



PROFILE VIEW

**Bentonville Water
Utilities**

**Approved for ADH
review**

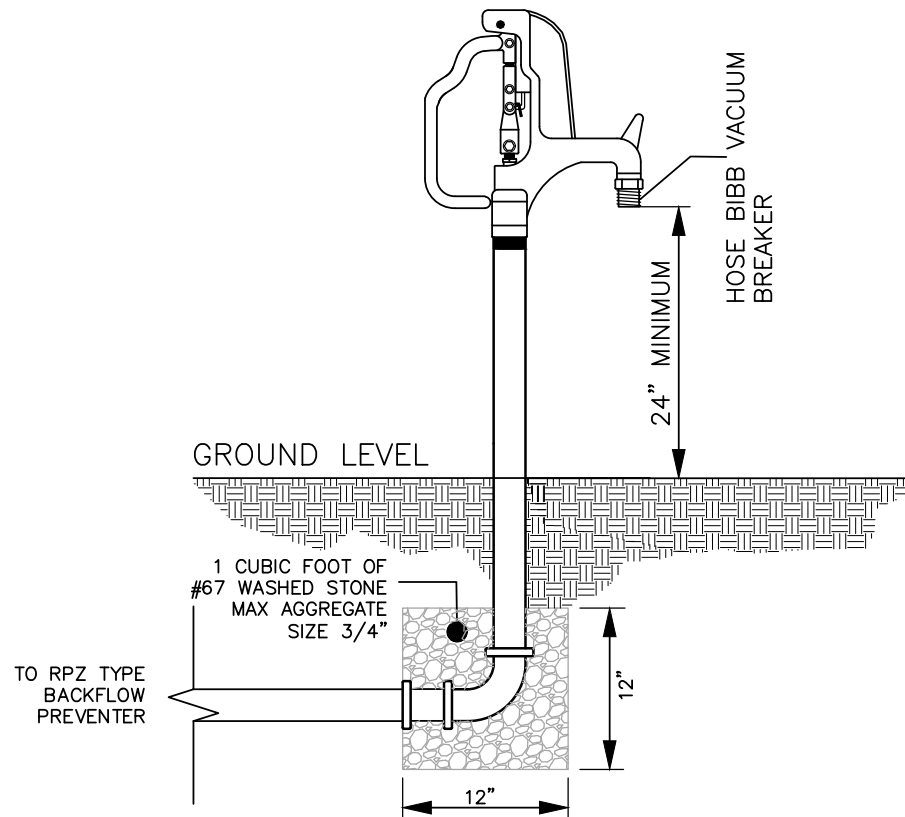
[Signature]

04/04/2023 2:56:52 PM



DRAWN BY: JI	CHECKED BY: PN
WATER DETAIL: W13	
LAST REVISION DATE: 01/27/2020	
APPROVED:	06/22/2021

FROST FREE HOSE BIBB WITH VACUUM BREAKER



ELEVATION

N.T.S.

Bentonville Water Utilities

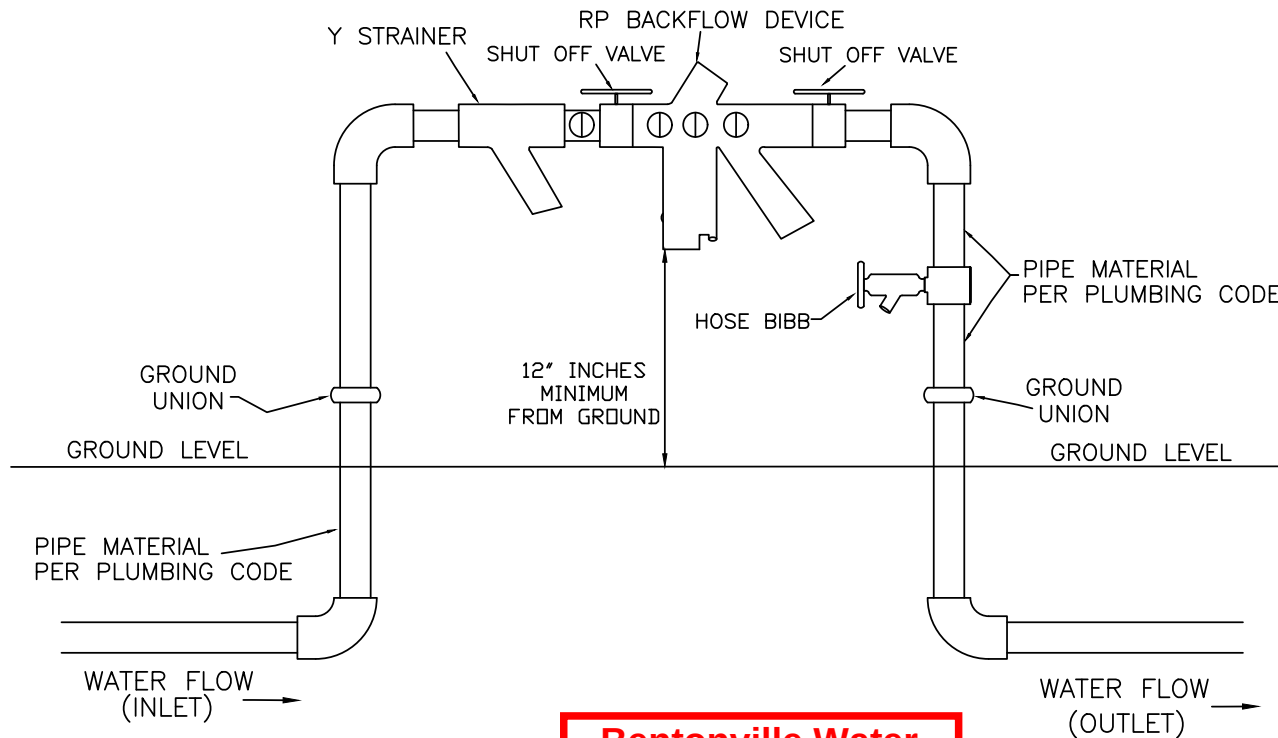
Approved for ADH review

04/04/2023 2:56:48 PM



DRAWN BY: JI	CHECKED BY: PN
WATER DETAIL: W14	
LAST REVISION DATE: 03/16/2021	
APPROVED:	06/22/2021

REDUCED PRESSURE (RP) BACKFLOW IRRIGATION ONLY



**Bentonville Water
Utilities**

**Approved for ADH
review**

John Smith
04/04/2023 2:56:43 PM



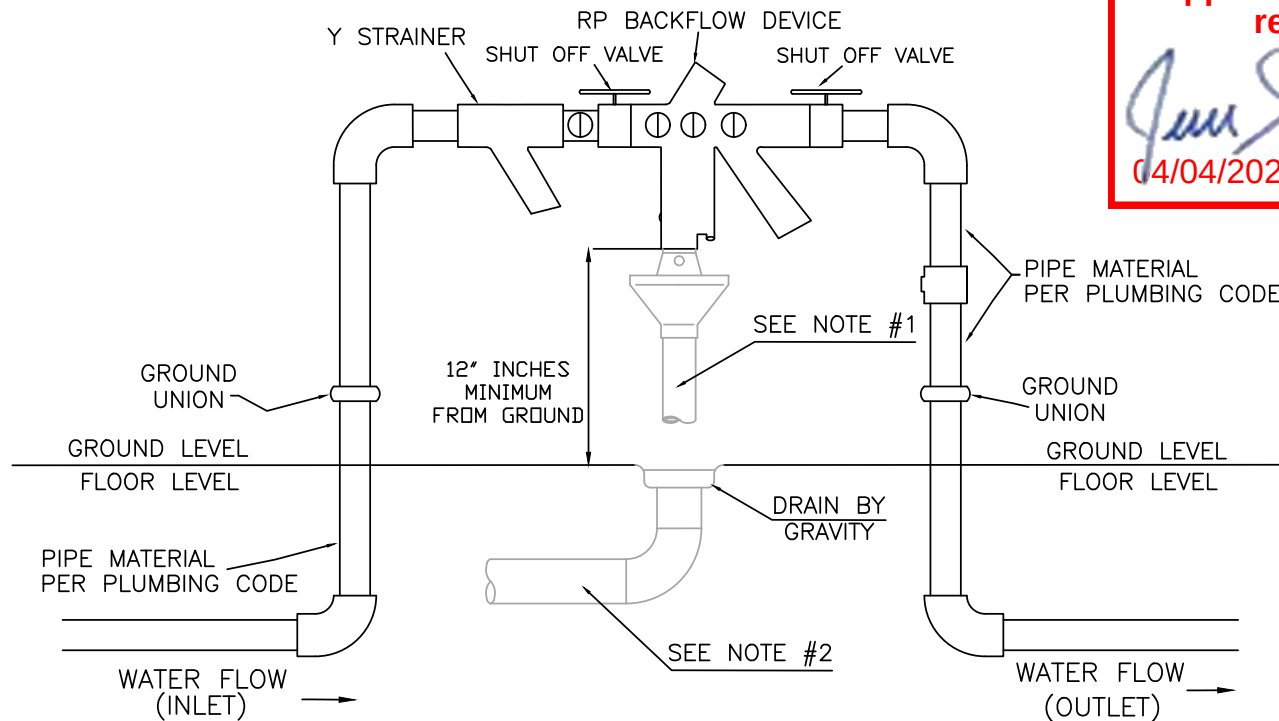
DRAWN BY: JI	CHECKED BY: PN
WATER DETAIL: W15	
LAST REVISION DATE: 01/27/2020	
APPROVED:	06/22/2021

REDUCED PRESSURE (RP) BACKFLOW DOMESTIC ONLY

**Bentonville Water
Utilities**

**Approved for ADH
review**

Jim Jones
(4/04/2023 2:56:37 PM)



INDOOR APPLICATION ONLY NOTES:

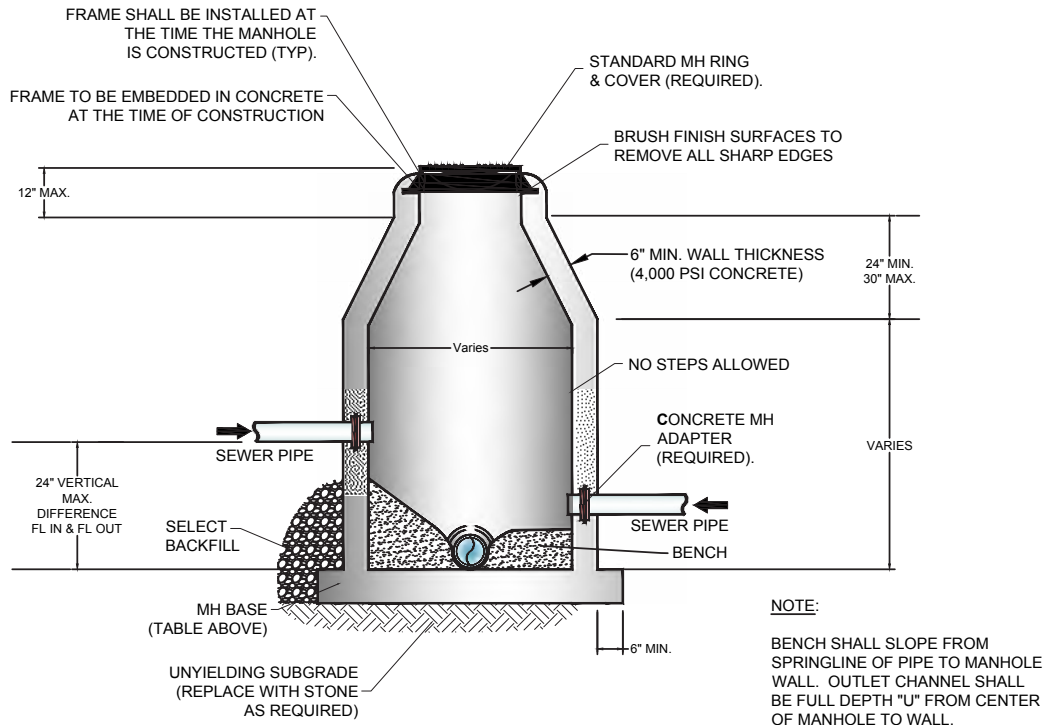
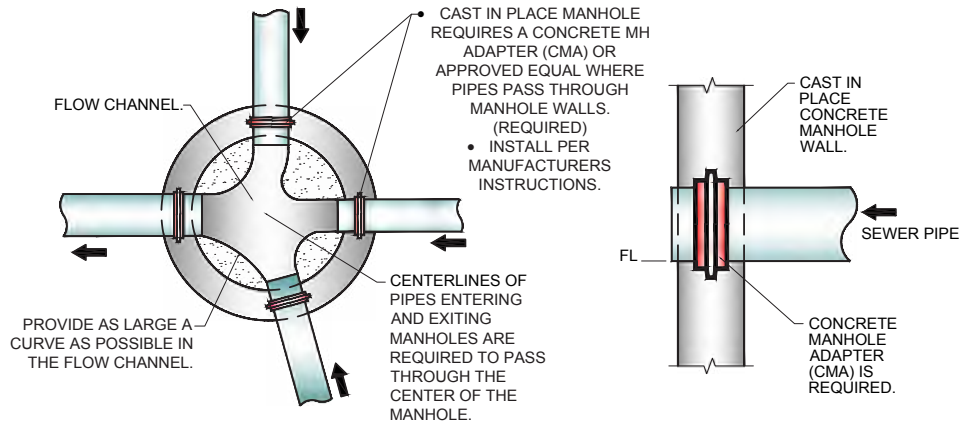
1. AN AIR GAP DRAIN IS REQUIRED TO REDUCE SPLASHING OF MINOR DISCHARGES FROM THE RELIEF VALVE DRAIN PORT.
2. INDOOR INSTALLATION OF RP'S SHOULD PROVIDE FOR DRAINAGE CAPABLE OF HANDLING IN EXCESS OF THE MAXIMUM DISCHARGE RATE EXPECTED BY THE BACKFLOW ASSEMBLY MANUFACTURER.



DRAWN BY: JI	CHECKED BY: PN
WATER DETAIL: W16	
LAST REVISION DATE: 01/27/2020	
APPROVED:	06/22/2021

SANITARY SEWER CAST IN PLACE MANHOLE

4,000 PSI CONCRETE



**Bentonville Water
Utilities**

**Approved for ADH
review**

John Smith
04/04/2023 2:56:19 PM

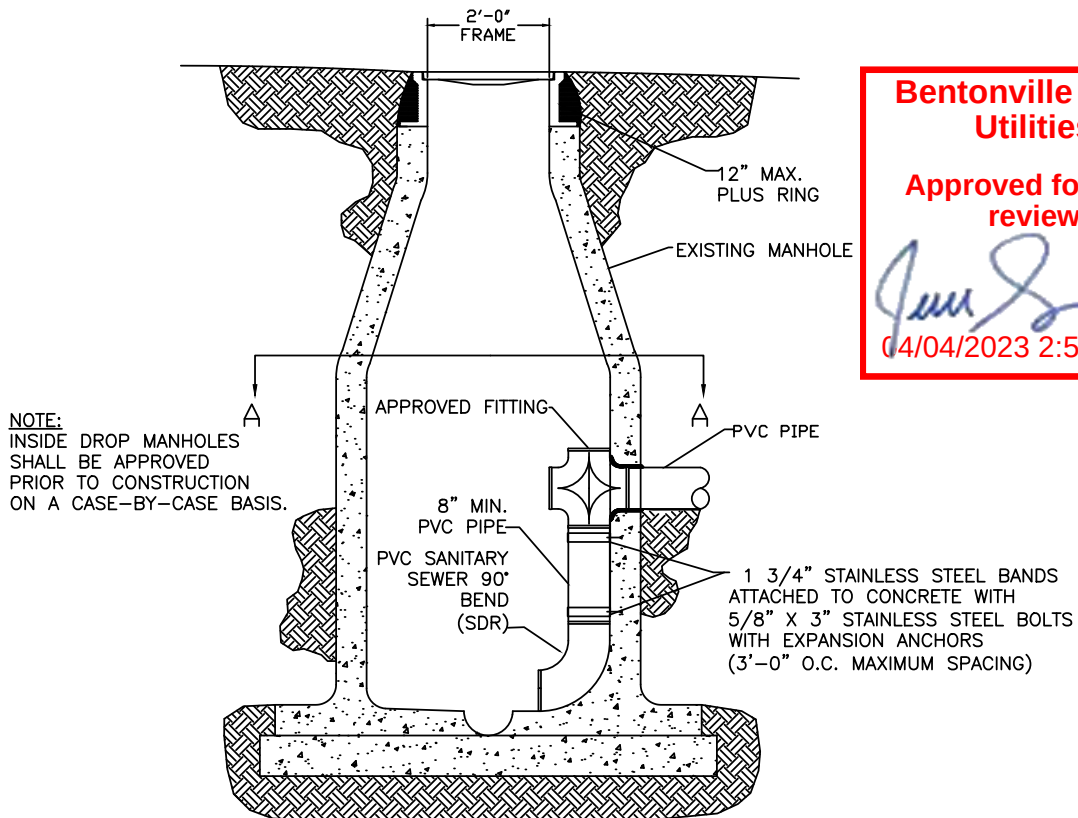
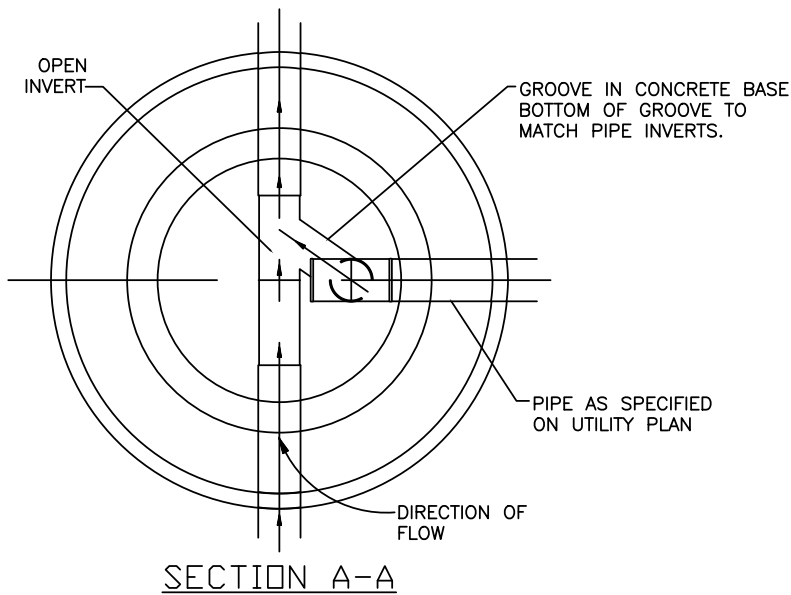
Inside Diameter of Manhole	Minimum Wall Thickness	Base Thickness	Minimum Ring & Cover Size
4' DIA	6"	8"	24" (< or Equal to 24" Pipes)
5' DIA	8"	10"	
6' DIA	8"	12"	36" (> 24" Pipes)

MANHOLE INFORMATION TABLE



DRAWN BY: JI	CHECKED BY: PN
SANITARY SEWER DETAIL: SS01	
LAST REVISION DATE: 01/27/2020	
APPROVED:	06/22/2021

SANITARY SEWER INTERIOR DROP MANHOLE



**Bentonville Water
Utilities**

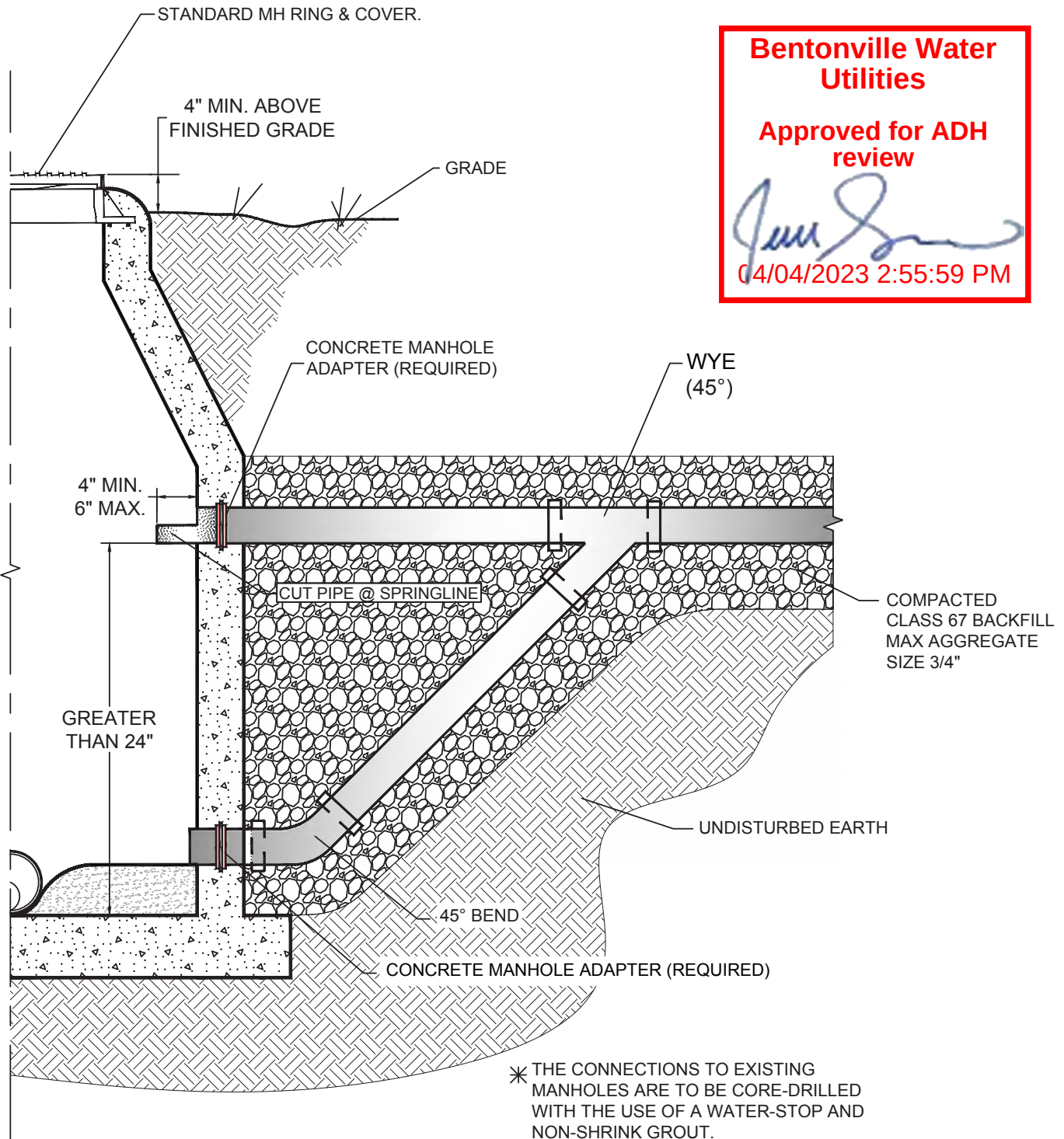
**Approved for ADH
review**

John Smith
04/04/2023 2:56:07 PM



DRAWN BY: JI	CHECKED BY: PN
SANITARY SEWER DETAIL: SS02	
LAST REVISION DATE: 01/27/2020	
APPROVED:	06/22/2021

SANITARY SEWER EXTERIOR DROP MANHOLE



**Bentonville Water
Utilities**

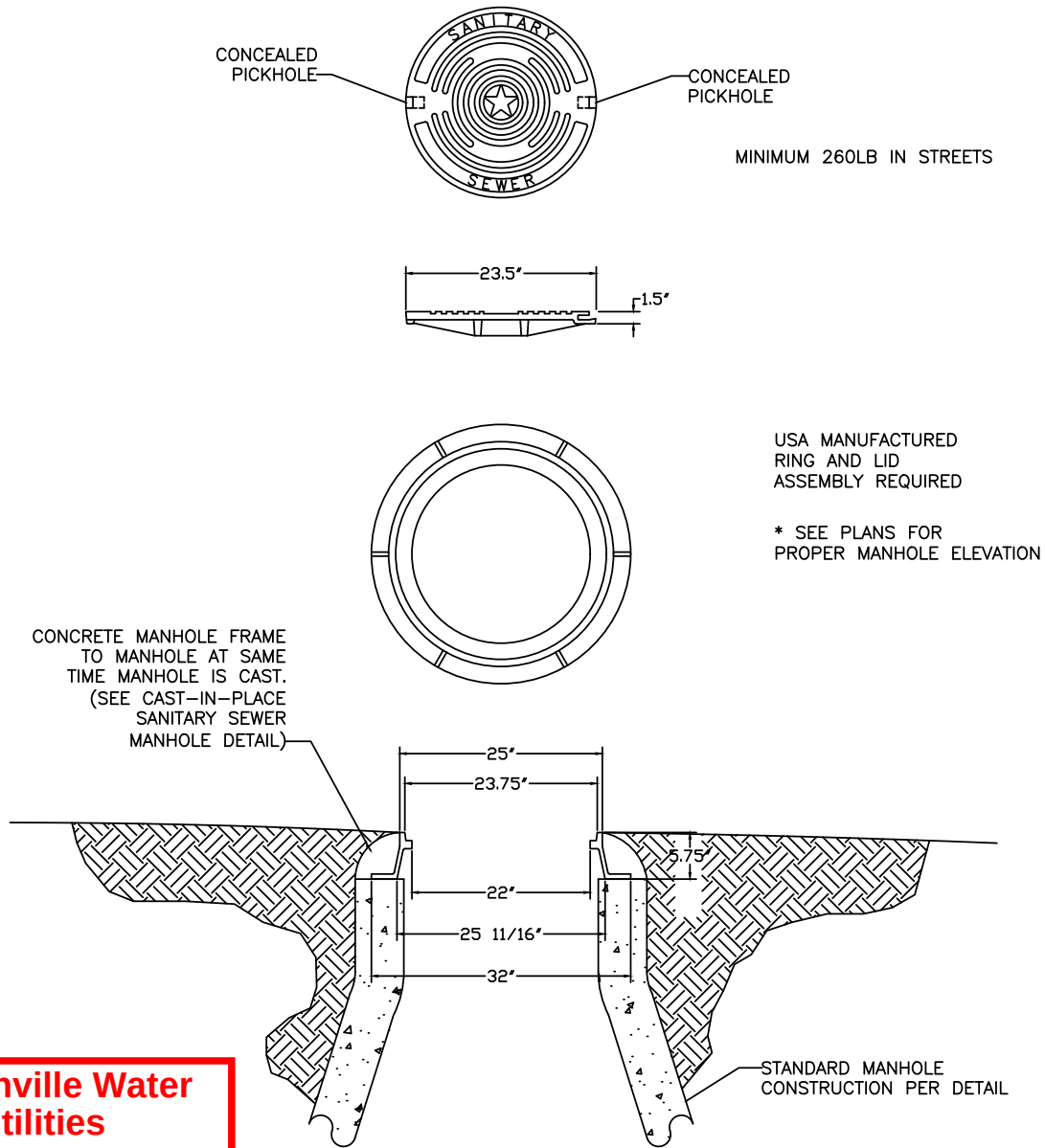
**Approved for ADH
review**

John Jones
04/04/2023 2:55:59 PM



DRAWN BY: JI	CHECKED BY: PN
SANITARY SEWER DETAIL: SS03	
LAST REVISION DATE: 01/27/2020	
APPROVED:	06/22/2021

HEAVY DUTY MANHOLE LID & FRAME



**Bentonville Water
Utilities**

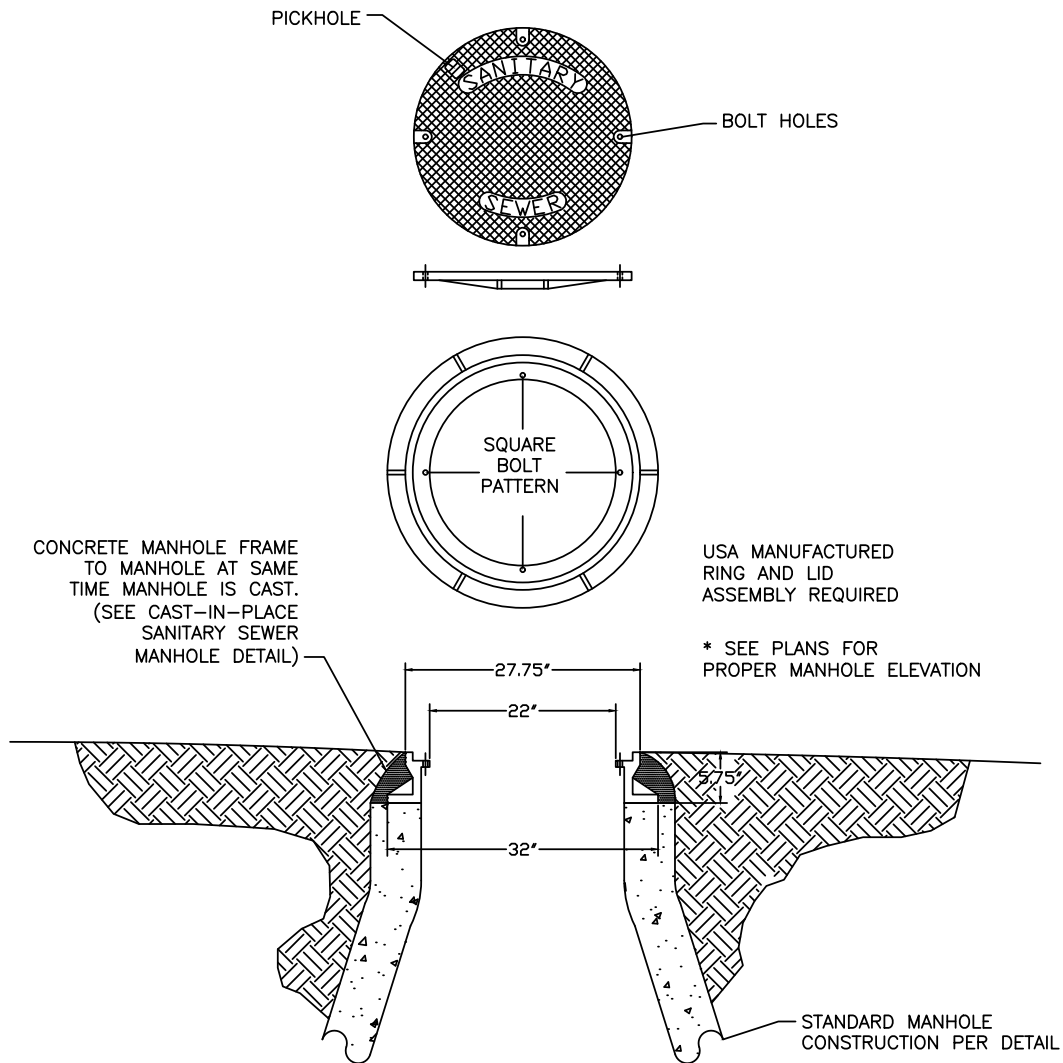
**Approved for ADH
review**

John Jones
04/04/2023 2:55:50 PM



DRAWN BY: JI	CHECKED BY: PN
SANITARY SEWER DETAIL: SS04	
LAST REVISION DATE: 01/27/2020	
APPROVED:	06/22/2021

WATER TIGHT BOLTED MANHOLE LID & FRAME



**Bentonville Water
Utilities**

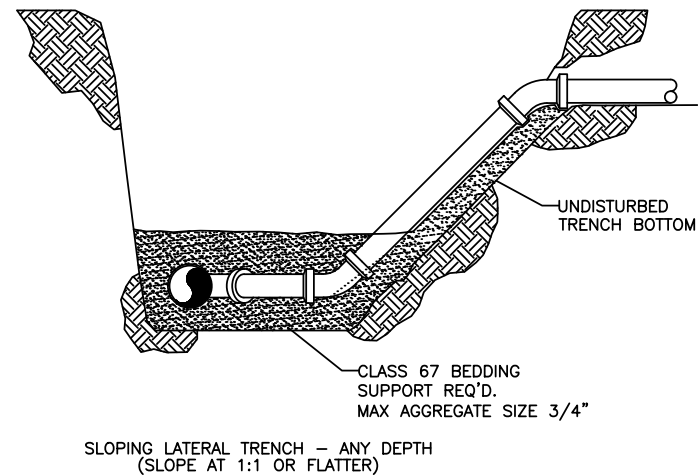
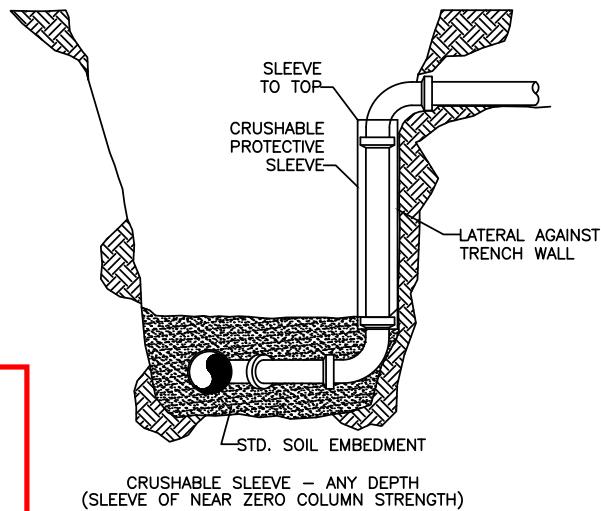
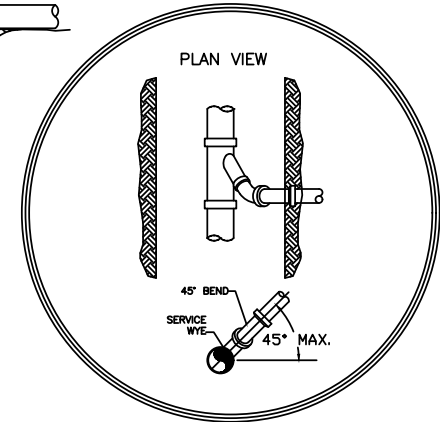
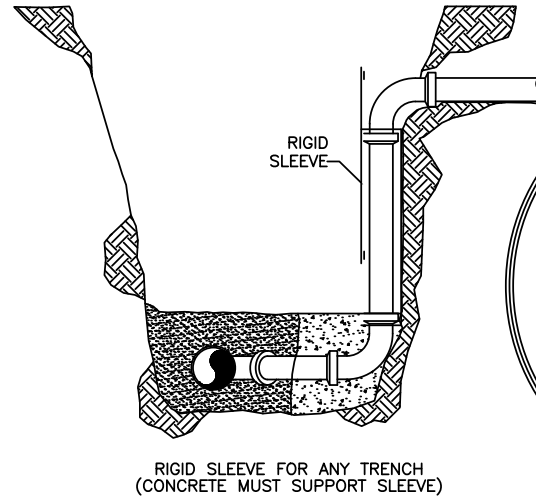
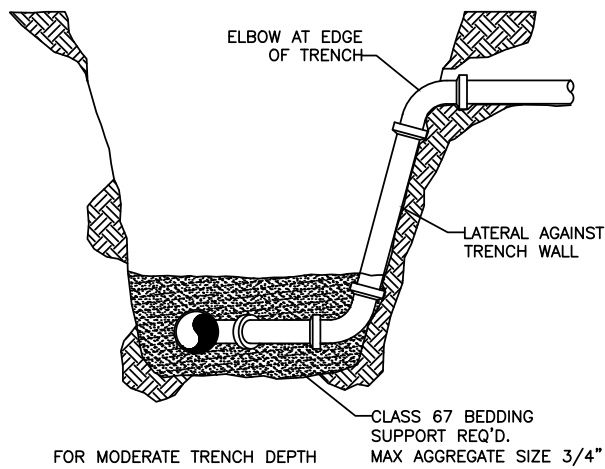
**Approved for ADH
review**

[Signature]
04/04/2023 2:55:47 PM



DRAWN BY: JI	CHECKED BY: PN
SANITARY SEWER DETAIL: SS05	
LAST REVISION DATE: 01/27/2020	
APPROVED:	06/22/2021

SANITARY SEWER SERVICE WYE



**Bentonville Water
Utilities**

**Approved for ADH
review**

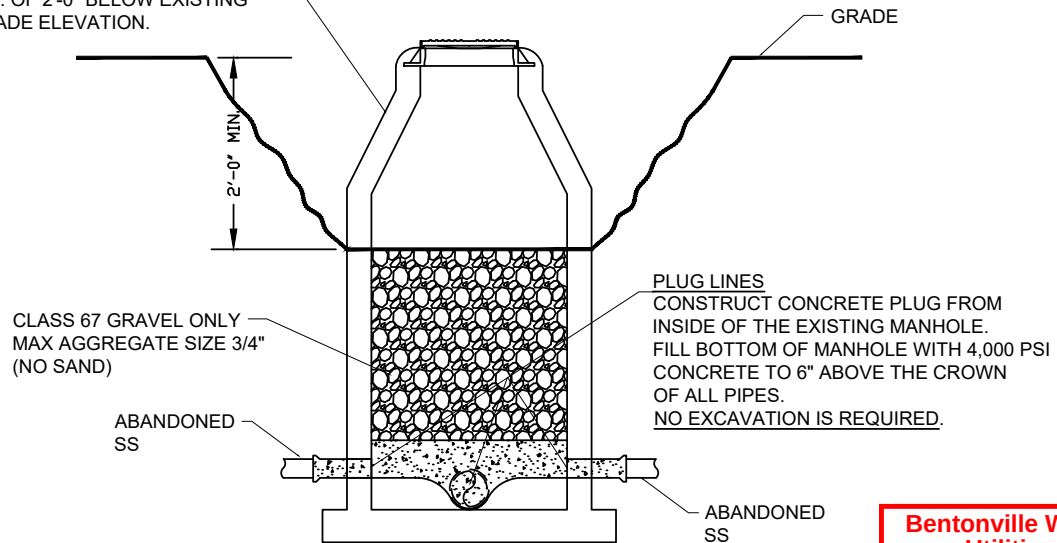
Jim Jones
(4/04/2023 2:55:38 PM)



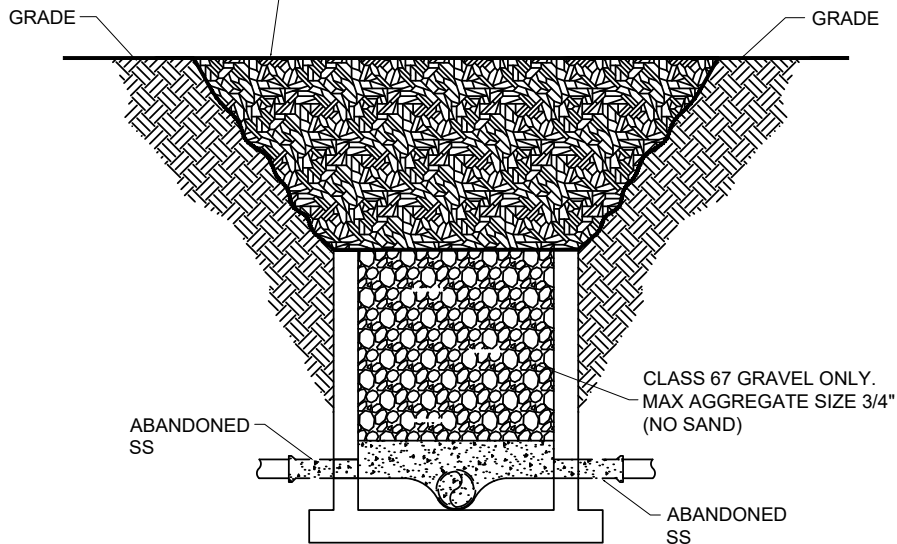
DRAWN BY: JI	CHECKED BY: PN
SANITARY SEWER DETAIL: SS06	
LAST REVISION DATE: 01/27/2020	
APPROVED:	06/22/2021

EXISTING MANHOLE ABANDONMENT DETAIL 5 FT OR DEEPER

REMOVE MH RING & COVER, CONE AND/OR BARREL TO A MIN. OF 2'-0" BELOW EXISTING GRADE ELEVATION.



BACKFILL, REPAVE or RESURFACE
BACKFILL ABANDONMENT IN PAVED AREAS, AND PERFORM PAVEMENT REPAIR AS PER STANDARD STREET DEPARTMENT SPECIFICATIONS.
BACKFILL ABANDONMENT IN NONPAVED AREAS WITH SELECT NATIVE MATERIAL, AND RESURFACE WITH APPROPRIATE MATERIALS.



**Bentonville Water
Utilities**

Approved for ADH
review

Jim Jones
04/04/2023 2:55:24 PM



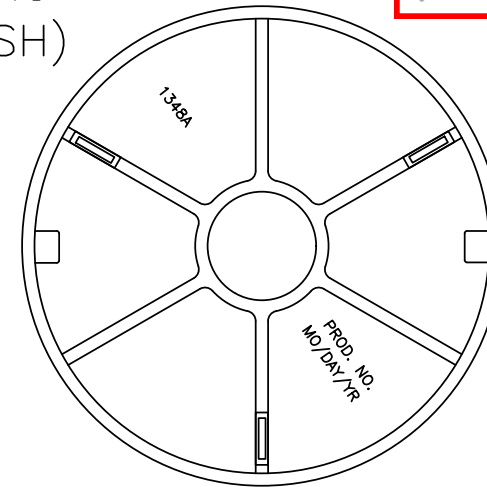
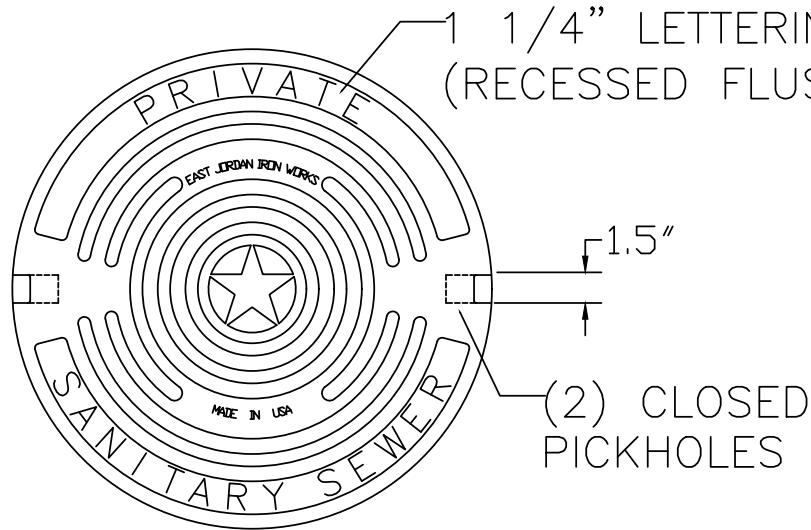
DRAWN BY: JI	CHECKED BY: PN
SANITARY SEWER DETAIL: SS07	
LAST REVISION DATE: 01/27/2020	
APPROVED:	06/22/2021

PRIVATE MANHOLE RING AND LID

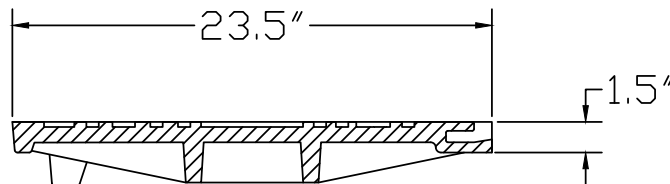
**Bentonville Water
Utilities**

**Approved for ADH
review**

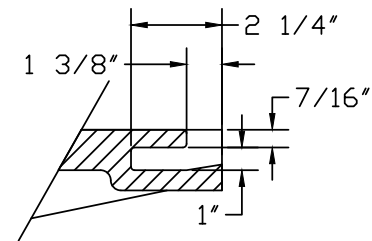
John Smith
04/04/2023 2:55:14 PM



BOTTOM VIEW



COVER SECTION

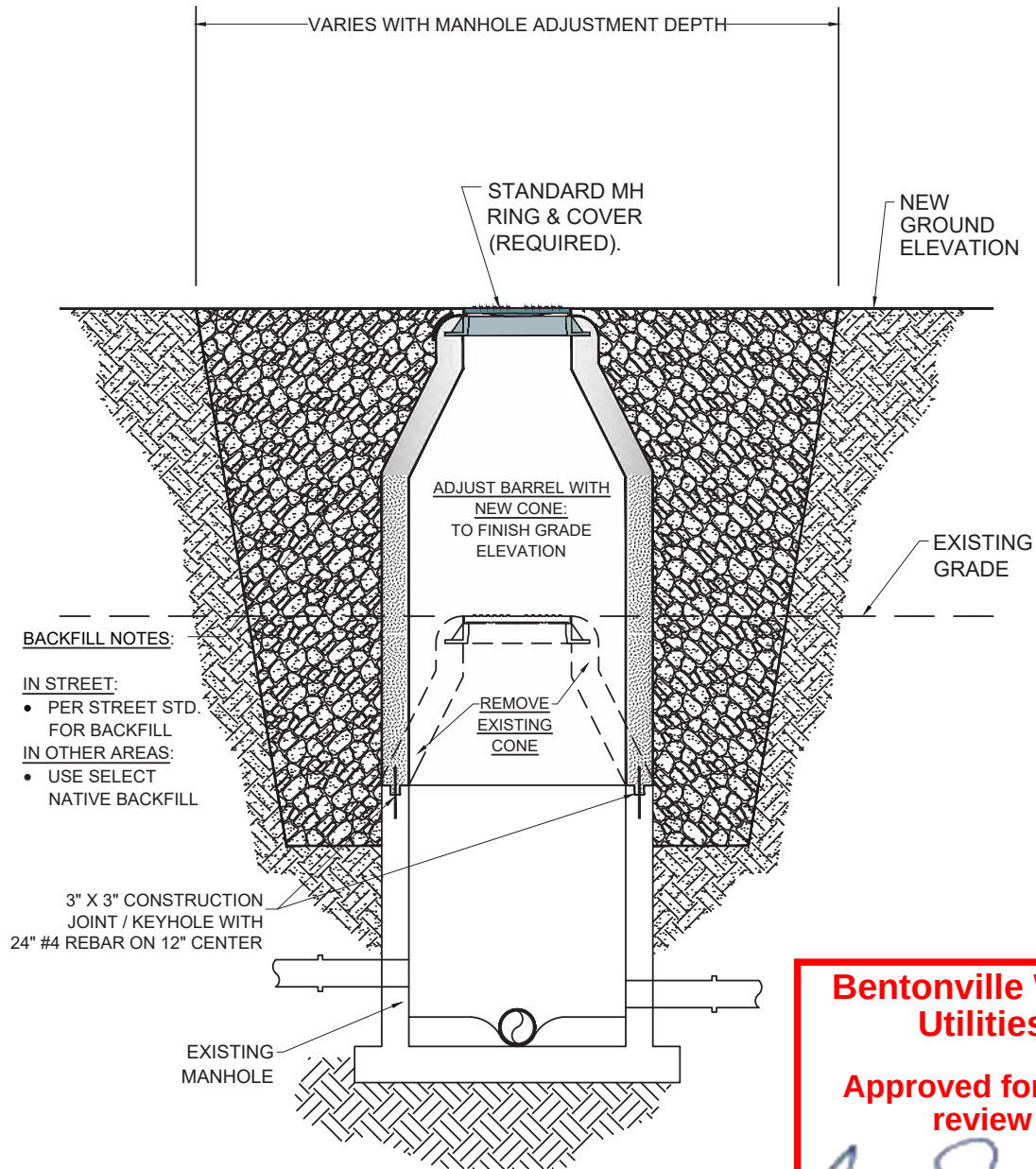


PICKHOLE DETAIL



DRAWN BY: JI	CHECKED BY: PN
SANITARY SEWER DETAIL: SS08	
LAST REVISION DATE: 01/27/2020	
APPROVED:	06/22/2021

TYPICAL MANHOLE ADJUST TO GRADE DETAIL



**Bentonville Water
Utilities**

**Approved for ADH
review**

[Signature]

04/04/2023 2:54:39 PM



DRAWN BY: JI	CHECKED BY: PN
SANITARY SEWER DETAIL: SS09	
LAST REVISION DATE: 01/27/2020	
APPROVED:	06/22/2021

RESOLUTION NO. _____

**A RESOLUTION APPROVING CHANGE ORDER NO. 3 WITH
CROSSLAND HEAVY CONTRACTORS, INC., ADDING THE SW
10TH STREET AND F STREET DRAINAGE
PROJECTS TO THE SCOPE OF THE CURRENT 8TH STREET PROJECT,
IN THE ESTIMATED AMOUNT OF SIX MILLION TWO HUNDRED
TWENTY-THREE THOUSAND SIX HUNDRED THIRTEEN DOLLARS
AND NINETEEN CENTS (\$6,223,613.19); AND FOR OTHER PURPOSES.**

WHEREAS, Crossland Heavy Contractors Inc. was previously awarded the contract for the 8th Street project for the City of Bentonville, Arkansas; and

WHEREAS, a change order to that contract is requested to allow for an additional scope of work, including the SW 10th Street and F Street drainage projects; and

WHEREAS, this change order is in the approximate amount of six million two hundred twenty-three thousand six hundred thirteen dollars and nineteen cents (\$6,223,613.19), which will be paid with Drainage bond funds.

**NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE
CITY OF BENTONVILLE, ARKANSAS THAT:**

Section 1: The Mayor and City Clerk are authorized to execute Change Order Three (3) to the contract with Crossland Heavy Contractors, Inc., for additional work related to the 8th Street project, in the approximate amount of six million two hundred twenty-three thousand six hundred thirteen dollars and nineteen cents (\$6,223,613.19);

Section 2 - Severability Provision: If any part of this Resolution is held invalid, the remainder of this Resolution shall continue in effect as if such invalid portion never existed; and

Section 3 - Repeal of Conflicting Provisions: All Ordinances, Resolutions, or Orders of the City Council, or parts of the same, in conflict with this Resolution are repealed to the extent of such conflict.

PASSED and APPROVED this _____ day of _____, 2024.

APPROVED:

STEPHANIE ORMAN, Mayor

ATTEST:

KIRBY ROMINES, City Clerk



City of Bentonville, Arkansas Agenda Item Form

Item Details

Council Meeting Date:	2/13/2024	Submitted By:	Travis Matlock
Phone:	479-271-5941	For Department(s):	Electric
Email:	tmatlock@bentonvillear.com		

Item Type (Check all that apply)

☐ Informational	☐ Bid Award	☐ Enter into an Agreement	☐ Change Order
☐ Recognizing Funds	☐ Budget Adjustment	☐ Waiver of Bid	☐ Emergency Clause
☐ Ordinance	☒ Resolution	☐ Informational	

Title, Recommendation & Justification

Title:	Resolution to Purchase a Grapple Truck through Sourcewell Cooperative (Co-Op)
Action Recommendation & Justification:	Authorization to purchase a grapple truck from River City Hydraulics, Inc., through participation in the Sourcewell Cooperative (Co-Op) contract 040621-PII, in the amount of \$258,136.25. Approved by Utility Board 5-0. No budget adjustment is needed.
Additional Comments for Consideration (Optional):	This is for replacement of BEUD's grapple truck originally purchased in 2010. This is a 2024 budgeted item. Use of a Co-op is allowed pursuant to Arkansas State Statute 19-11-249; Purchasing performed an evaluation of 040621-PII, determining that the solicitation was in line with both Arkansas State Statute and the City's Purchasing Policy.
Amount for Approval:	\$ 258,136.25

Budget Impact

Is this Item Budgeted? ☒ YES ☐ NO ☐ ITEM HAS NO COST ☐ OTHER: _____

Budget Adjustment (to be completed by Finance when applicable)

Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue

Fund(s) Impacted

(check all that apply)

☐ General Fund ☐ Utility Fund ☐ Street Fund ☐ Other(s): _____

Budget Impact Notes for Consideration (Optional):

City of Bentonville, Arkansas

City Hall

305 SW A Street Bentonville, AR 72712

www.bentonvillear.com

Please Recycle!



River City Hydraulics, Inc.
P.O. Box 6033
Sherwood, AR 72124
Phone: (501) 835-5230
Fax: (501) 834-1233

Purchase Agreement

Date	Estimate #
1/9/2024	19003

Name / Address
Alonzo Crow City of Bentonville 3200 SW Municipal Dr Bentonville, AR 72712

Ship To
--ESTIMATES ONLY--

PRICE IS VALID FOR 5 BUSINESS DAYS

P.O. No.	Terms	Rep	Unit Number	Serial Number	VIN
	Due on receipt	CK			
Item	Description	Qty	U/M	Rate	Total
PETERSEN TL3	Petersen TL3 Lightning Loader	1	ea	72,059.00	72,059.00T
SOURCEWELL...	Sourcewell Discount			-2.00%	-1,441.18T
Petersen Body	Petersen Hardox 18'x30 cubic yard Dump Body	1	ea	46,168.00	46,168.00T
SOURCEWELL...	Sourcewell Discount			-2.00%	-923.36T
CHASSIS	New and Unused Kenworth Chassis	1	ea	137,480.28	137,480.28T
SOURCEWELL...	Sourcewell Discount			-2.00%	-2,749.61T
SURCHARGE (...)	SURCHARGE (Steel Surcharge for 2024)	1		5,911.35	5,911.35T
SOURCEWELL...	Sourcewell Discount			-2.00%	-118.23T
	Sub Total				256,386.25
DELIVERY FEE	Delivery Fee			1,750.00	1,750.00T
Options	3rd Eye				0.00T
	Boom up Warning Device				
	LED Light Package	1			0.00
	Single Rear Door w/ Air Latch				
	Extended 12" Pedestal				
	LED Light Package				
	Single Rear Door w/ Air Latch				
	Rear Strobe				
	Cone Holder				
	Pilot Hydraulice Joysticks				
	Loader Orange				
	Petersen Sourcewell Contract #040621-PII				

All documents pertaining to and required for financing/loan must be submitted to lienholder before delivery of unit. All payments are required within five business days of delivery.

Signature _____ Date _____

Print _____

Subtotal \$258,136.25

Sales Tax (0.0%) \$0.00

Total \$258,136.25

All payments made by credit card will be assessed a 4% processing fee. Overdue invoices will be subject to a monthly finance charge of 3%.

RESOLUTION NO. _____

A RESOLUTION AUTHORIZING THE MAYOR AND CITY CLERK TO ENTER INTO AN AGREEMENT WITH RIVER CITY HYDRAULICS INC., FOR THE PURCHASE OF A GRAPPLE TRUCK, IN AN AMOUNT NOT TO EXCEED TWO HUNDRED FIFTY-EIGHT THOUSAND ONE HUNDRED THIRTY-SIX DOLLARS AND TWENTY-FIVE CENTS (\$258,136.25); AND FOR OTHER PURPOSES.

WHEREAS, the City of Bentonville Electric Department requests to enter into an agreement with River City Hydraulics Inc. to replace an existing grapple truck originally purchased in 2010;

WHEREAS, this purchase is through participation in the Sourcewell Cooperative purchasing contract, 040621-P11, for two hundred fifty-eight thousand one hundred thirty-six dollars and twenty-five cents (\$258,136.25);

WHEREAS, the City's Purchasing office performed an evaluation, determining that the solicitation is in line with both Arkansas State Statute §19-11-249 and the City's Purchasing Policy; and

WHEREAS, this is a budgeted item.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL FOR THE CITY OF BENTONVILLE, ARKANSAS.

Section 1: That the Mayor and City Clerk are hereby authorized to enter into an agreement with River City Hydraulics, Inc. for the purchase of a grapple truck, in an amount not to exceed two hundred fifty-eight thousand one hundred thirty-six dollars and twenty-five cents (\$258,136.25) using the Sourcewell Cooperative purchasing contract, 040621-P11;

Section 2: Since this purchase is being made through a cooperative purchasing contract utilizing State law and the City's Purchasing Policy, this does not need to be bid;

Section 3 - Severability Provision: If any part of this Resolution is held invalid, the remainder of this Resolution shall continue in effect as if such invalid portion never existed; and

Section 4 - Repeal of Conflicting Provisions: All Ordinances, Resolutions, or Orders of the City Council, or parts of the same, in conflict with this Resolution are repealed to the extent of such conflict.

PASSED and APPROVED this _____ day of _____, 2024.

APPROVED:

ATTEST:

STEPHANIE ORMAN, Mayor

KIRBY ROMINES, City Clerk



City of Bentonville, Arkansas Agenda Item Form

Item Details

Council Meeting Date:	2/13/2024	Submitted By:	Travis Matlock
Phone:	479-271-5941	For Department(s):	Inventory Warehouse
Email:	tmatlock@bentonvillear.com		

Item Type (Check all that apply)

☐ Informational	☐ Bid Award	☐ Enter into an Agreement	☐ Change Order
☐ Recognizing Funds	☐ Budget Adjustment	☒ Waiver of Bid	☐ Emergency Clause
☒ Ordinance	☐ Resolution	☐ Informational	

Title, Recommendation & Justification

Title:	Ordinance to Waive Competitive Bidding to Order 750 UG Wire
Action Recommendation & Justification:	Approval of an Ordinance to waive competitive bidding to purchase 750 UG Wire from AECl, Unit Prices and estimated quantities attached, plus applicable taxes. Approved by Utility Board 5-0. No budget adjustment is needed.
Additional Comments for Consideration (Optional):	Due to market volatility and lead times related to these products, it would be neither practical or feasible to solicit competitive bids. Award is based on the low responsive bid AND shortest lead time per line item, for estimated totals: AECl in the estimated amount of \$161,880.00, plus applicable taxes (16-20 weeks). Stuart Irby in the estimated amount of \$160,740, plus applicable taxes (54 weeks). Techline - No Quote
Amount for Approval:	\$ 161,880.00

Budget Impact

Is this Item Budgeted? ☒ YES ☐ NO ☐ ITEM HAS NO COST ☐ OTHER: _____

Budget Adjustment (to be completed by Finance when applicable)

Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue

Fund(s) Impacted

(check all that apply)

☐ General Fund ☐ Utility Fund ☐ Street Fund ☐ Other(s): _____

Budget Impact Notes for Consideration (Optional):

City of Bentonville, Arkansas

City Hall

305 SW A Street Bentonville, AR 72712



**City of Bentonville Electric Utilities Department
15KV Underground Primary Cable
Bid Form**

BEUD Inventory Part Number	Wire Size	Feet Required	Price Per Foot - AECI	Extended Price	Lead Time
2192	750 1/3 Neutral AL	6 Reels @ 1500'	\$14.20	\$161,880.00	16-20 weeks
		3 Reels @ 800'			
		TOTAL QTY: 11,400'			
Total Price for All Line Items					

Irby lead time Techline
\$14.10 54 weeks No quote

Bid Submitted By: _____

ORDINANCE NO. _____

AN ORDINANCE AUTHORIZING THE MAYOR AND THE CITY CLERK TO ENTER INTO AN AGREEMENT WITH AECI FOR 750 UNDERGROUND WIRE IN, THE AMOUNT OF ONE HUNDRED SIXTY-ONE THOUSAND EIGHT HUNDRED EIGHTY DOLLARS (\$161,880.00) PLUS APPLICABLE TAXES; WAIVING THE REQUIREMENT OF COMPETITIVE BIDDING; AND FOR OTHER PURPOSES.

WHEREAS, the City of Bentonville Inventory Department requires 750 underground wire to provide for Electric Utility installations and projects;

WHEREAS, due to current supply chain issues and price volatility, soliciting bids is not feasible; and

WHEREAS, this purchase will be made using budgeted funds.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL FOR THE CITY OF BENTONVILLE, ARKANSAS.

Section 1: That the Mayor and City Clerk are hereby authorized to enter into an agreement with AECI for the purchase of 750 underground wire in the amount of one hundred sixty-one thousand eight hundred eighty dollars (\$161,880.00), plus applicable taxes;

Section 2: Due to current market volatility and supply chain issues with this product, it would be neither practical nor feasible to advertise for competitive bidding so that requirement is herein waived;

Section 3 - Severability Provision: If any part of this Ordinance is held invalid, the remainder of this Ordinance shall continue in effect as if such invalid portion never existed; and

Section 4 - Repeal of Conflicting Provisions: All Ordinances of the City Council, or parts of Ordinances of the City Council, in conflict herewith are hereby repealed to the extent of such conflict.

PASSED and APPROVED this ____ day of _____, 2024.

APPROVED:

STEPHANIE ORMAN, Mayor

ATTEST:

KIRBY ROMINES, City Clerk



City of Bentonville, Arkansas Agenda Item Form

Item Details

Council Meeting Date:	2/13/2024	Submitted By:	Travis Matlock
Phone:	479-271-5941	For Department(s):	Electric
Email:	tmatlock@bentonvillear.com		

Item Type (Check all that apply)

☐ Informational	☐ Bid Award	☒ Enter into an Agreement	☐ Change Order
☐ Recognizing Funds	☐ Budget Adjustment	☐ Waiver of Bid	☐ Emergency Clause
☐ Ordinance	☒ Resolution	☐ Informational	

Title, Recommendation & Justification

Title:	Resolution to enter into an Agreement with Allgeier, Martin, and Associates
Action Recommendation & Justification:	BEUD proposes to use Allgeier, Martin, and Assoc. to prepare bid documents, assist in procurement, construction monitoring, and possible factory oversight for a cost not to exceed \$52,500.00. Approved by Utility Board 4-0. No budget adjustment is needed.
Additional Comments for Consideration (Optional):	Substation transformers have an estimated lead time of 2-4 yrs. Ordering the transformer is the first step in the expansion of Substation "A". This is a 2024 budgeted cost. Allgeier, Martin, and Assoc. was selected from the City's annual SOQ list for professional services.
Amount for Approval:	\$ 52,500.00

Budget Impact

Is this Item Budgeted? ☒ YES ☐ NO ☐ ITEM HAS NO COST ☐ OTHER: _____

Budget Adjustment (to be completed by Finance when applicable)

Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
Account Number (ORG-OBJECT)	Account Description	\$ Expense	\$ Revenue
Account Number (ORG-OBJECT)	Account Description	\$ Expense	\$ Revenue
Account Number (ORG-OBJECT)	Account Description	\$ Expense	\$ Revenue
Account Number (ORG-OBJECT)	Account Description	\$ Expense	\$ Revenue

Fund(s) Impacted

(check all that apply)

☐ General Fund ☐ Utility Fund ☐ Street Fund ☐ Other(s): _____

Budget Impact Notes for Consideration (Optional):

City of Bentonville, Arkansas

City Hall

305 SW A Street Bentonville, AR 72712



PROFESSIONAL SERVICES AGREEMENT

PROJECT NAME: Engineering Services to procure a 67-12.47kV, Dyn1, 18/24/30 MVA Class II power transformer to support the future expansion of Substation A in 2024 for City of Bentonville Electric Utility Department (BEUD) (“PROJECT”)

THIS AGREEMENT (“AGREEMENT”) is made in Benton County, Arkansas, by and between the City of Bentonville, Arkansas, hereinafter referred to as “CITY”, and Allgeier, Martin and Associates, Inc., hereinafter referred to as “PROFESSIONAL CONSULTANT” (collectively, the “PARTIES”).

The PARTIES have caused this AGREEMENT to be effective this ____ day of _____, 20____ (“EFFECTIVE DATE”).

RECITALS:

- A. WHEREAS, the CITY has a need procure a 67-12.47kV, Dyn1, 18/24/30 MVA Class II power transformer to support the future expansion of Substation A for the City of Bentonville Electric Utility Department; and
- B. WHEREAS, The CITY has selected the PROFESSIONAL CONSULTANT and negotiated this AGREEMENT using the procedures as set forth in Ark. Code Ann. § 19-11-801 et. seq.; and
- C. WHEREAS, the CITY wishes to contract for Professional Services; and
- D. WHEREAS, The PROFESSIONAL CONSULTANT has the skill, experience, ability, background, certifications and knowledge to provide these services; and
- E. WHEREAS, The PROFESSIONAL CONSULTANT wishes to perform such professional services under this AGREEMENT with the CITY.

NOW, THEREFORE, in consideration of the terms in this AGREEMENT, the CITY and PROFESSIONAL CONSULTANT agree to the following:

ARTICLE I - PROJECT DESCRIPTION

The PROJECT shall be as described in APPENDIX A, "Proposed Scope of Work," attached hereto and incorporated herein by reference.

ARTICLE II - SCOPE OF SERVICE

Upon issuance of a written Notice to Proceed by the CITY, PROFESSIONAL CONSULTANT agrees to provide the CITY the necessary professional services related to the PROJECT, as set forth in APPENDIX A, "Proposed Scope of Work," attached hereto and incorporated herein by reference.

ARTICLE III - STANDARD OF CARE

PROFESSIONAL CONSULTANT shall at all times material hereto adhere to the generally accepted standard of care typically exhibited by similarly situated professionals performing similar scope(s) of service on projects of like size, scope, nature, cost, schedule, and complexity, at the same time and in the same general regional locale ("Standard of Care").

ARTICLE IV - ADDITIONAL SERVICES

- A. Any service outside of the work described herein or included by reference hereto must be pre-approved by the CITY and executed as an AMENDMENT to this AGREEMENT by the Parties prior to any such work being completed; any such AMENDMENT shall be in accordance with the CITY's purchasing laws and guidelines and may require approval from the Bentonville City Council.
- B. PROFESSIONAL CONSULTANT shall make no claims for additional services or changes in the services until an AMENDMENT has been fully executed by the Parties.

ARTICLE V - SCHEDULE OF FEES, SERVICES AND PAYMENT

- A. The term of this AGREEMENT shall commence on the EFFECTIVE DATE and shall proceed in accordance with APPENDIX A, "Proposed Scope of Work", attached hereto and incorporated herein by reference.
- B. The cost of this AGREEMENT shall be in accordance with APPENDIX A.
- C. The cost of this AGREEMENT shall not exceed \$52,500.00 without approval by the Bentonville Utility Board and Bentonville City Council.
- D. CITY agrees to pay PROFESSIONAL CONSULTANT for all services authorized by inclusion in this AGREEMENT which have been properly performed by PROFESSIONAL CONSULTANT in accordance with this AGREEMENT.
- E. All fees paid to PROFESSIONAL CONSULTANT shall be based on invoices submitted by PROFESSIONAL CONSULTANT for work performed under this AGREEMENT, less any previous payments. PROFESSIONAL CONSULTANT shall submit invoices for services related to this AGREEMENT on a monthly basis.
- F. CITY reserves the right to delay, without penalty, any partial payment when, in the opinion of the CITY, PROFESSIONAL CONSULTANT has not made satisfactory progress on the Project based on the SCOPE. If CITY objects to any portion of an invoice, the CITY shall notify PROFESSIONAL CONSULTANT and shall pay all other portions of the invoice which are not in dispute. In the event of dispute, CITY and PROFESSIONAL CONSULTANT shall immediately make every effort to settle the disputed portion of the invoice.

- G. In the event that the CITY becomes credibly informed that any representations of PROFESSIONAL CONSULTANT provided in its invoicing are wholly or partially inaccurate, CITY may withhold payment of sums then, or in the future, otherwise due to PROFESSIONAL CONSULTANT until the inaccuracy and the cause thereof is corrected to the CITY's reasonable satisfaction.
- H. If the CITY fails to make any payment, not in dispute, due to PROFESSIONAL CONSULTANT within thirty (30) days after receipt of an invoice, then the amount due to the PROFESSIONAL CONSULTANT will increase at the lesser of one percent (1 %) per month or the maximum amount allowed by law after the 30th day. In addition, PROFESSIONAL CONSULTANT may, after giving seven (7) days' written notice to CITY, suspend its services and any deliverables until PROFESSIONAL CONSULTANT has been paid in full for all amounts outstanding more than thirty (30) days.

ARTICLE VI - INSURANCE

- A. PROFESSIONAL CONSULTANT shall during the term hereof maintain in full force and effect the following insurance:
 - 1. A comprehensive general liability policy of insurance for bodily injury, death and property damage insuring against all claims, demands or actions relating to the PROFESSIONAL CONSULTANT's performance of services pursuant to this AGREEMENT with a combined single limit of not less than \$1,000,000.00 per occurrence and \$2,000,000 in the aggregate for injury to persons (including death), and for property damage;
 - 2. A policy of automobile liability insurance covering any vehicles owned and/or operated by PROFESSIONAL CONSULTANT, its officers, agents, and employees, and used in the performance of this AGREEMENT with policy limits of not less than \$1,000,000.00 combined single limit and aggregate for bodily injury and property damage;
 - 3. Statutory Worker's Compensation Insurance at the statutory limits and Employers Liability covering all of PROFESSIONAL CONSULTANT's employees involved in the provision of services under this AGREEMENT with policy limit of not less than \$1,000,000.00; and
 - 4. Professional Liability/Errors and Omissions coverage covering negligent acts, errors and omissions in the performance of professional services with policy limit of not less than \$1,000,000.00.
- B. All insurance and certificate(s) of insurance shall contain the following provisions:
 - 1. Include CITY as additional insured as to all applicable coverage with the exception of Workers Compensation Insurance and Professional Liability/Errors and Omissions coverage; and
 - 2. provide for at least thirty (30) days prior written notice to CITY for cancellation or non-renewal of the insurance;
 - 3. provide for a waiver of subrogation against CITY for injuries, including death, property damage, or any other loss to the extent the same is covered by the proceeds of insurance, except for Professional Liability/Errors and Omissions coverage.
- C. PROFESSIONAL CONSULTANT shall provide 30 day written notice to CITY of any material change of or to the insurance required herein.
- D. All insurance companies providing the required insurance shall be authorized to transact business in Arkansas and rated at least "A" by AM Best or other equivalent rating service. A certificate of insurance evidencing the required insurance and all endorsements required by this Agreement shall be submitted prior to commencement of services.

- E. In the event that additional or greater insurance requirements are warranted, these requirements shall be included as an Appendix, which will be attached hereto and incorporated by reference.

ARTICLE VII - RIGHT OF ACCESS

- A. CITY will obtain and/or furnish right-of-access for PROFESSIONAL CONSULTANT to perform any required studies, surveys, tests or other necessary investigations in relation to the PROJECT.
- B. PROFESSIONAL CONSULTANT will take reasonable precautions to minimize damage to the personal or real property in the performance of such surveys, tests, studies and investigations.
- C. CITY recognizes that PROFESSIONAL CONSULTANT's operations and use of equipment may unavoidably alter existing conditions or affect the environment at the PROJECT site. The cost of repairing such damage shall be the responsibility of PROFESSIONAL CONSULTANT, at no additional cost to the CITY. In the event that PROFESSIONAL CONSULTANT fails to correct such damages, CITY is entitled to utilize CITY forces or other labor to repair the damage; any costs incurred by CITY for such work shall be deducted from the monies due to PROFESSIONAL CONSULTANT.

ARTICLE VIII - RECORDS AND RETENTION

- A. All surveys, studies, proposals, applications, drawings, plans, specifications and other documents, including those in electronic form, prepared by PROFESSIONAL CONSULTANT and its PROFESSIONAL CONSULTANTS, subcontractors, agents, representatives, and/or employees in connection with this AGREEMENT ("PROJECT DOCUMENTS") are intended for the use and benefit of CITY. PROFESSIONAL CONSULTANT and its PROFESSIONAL CONSULTANTS, subcontractors, agents, representatives, and/or employees shall be deemed the authors of their respective part of the PROJECT DOCUMENTS. Notwithstanding anything to the contrary, CITY shall own, have, and retain all rights, title and interest in and to all PROJECT DOCUMENTS, whether in draft form or final form, which are produced at CITY's request or otherwise produced from PROFESSIONAL CONSULTANT's performance of the work described herein for CITY. The CITY's ownership of PROJECT DOCUMENTS shall not apply to PROFESSIONAL CONSULTANT's proprietary standard details that were developed by the PROFESSIONAL CONSULTANT prior to the commencement of this PROJECT.
- B. CITY shall have full authority to reuse, reproduce, publish, disclose and distribute PROJECT DOCUMENTS, as needed, according to Arkansas State Law.
- C. PROFESSIONAL CONSULTANT shall, upon completion of the services and full payment for the PROFESSIONAL CONSULTANT'S services by the CITY, or earlier termination and appropriate compensation as provided by this AGREEMENT, provide the CITY with all PROJECT DOCUMENTS prepared by PROFESSIONAL CONSULTANT pursuant to this AGREEMENT in formats requested by the CITY.
- D. All instruments of service (including plans, specifications, drawings, reports, designs, computations, computer programs, estimates, surveys, other data or work items, etc.) prepared under this AGREEMENT shall be submitted for approval to the CITY. All instruments of service shall be professionally sealed in accordance to applicable laws or at CITY's request.
- E. Acceptance and approval of the PROJECT DOCUMENTS by the CITY shall not constitute nor be deemed a release of the responsibility and liability of PROFESSIONAL CONSULTANT, its employees, associates, agents and PROFESSIONAL CONSULTANT's for the accuracy or competency of their designs, working drawings and specifications, or other documents and work; nor shall such approval be deemed to be an

assumption of such responsibility by the CITY for any defect in the designs, working drawings and specifications, or other documents prepared by PROFESSIONAL CONSULTANT, its employees, contractor, agents and PROFESSIONAL CONSULTANT's.

- F. PROFESSIONAL CONSULTANT will retain the PROJECT DOCUMENTS for a period of three years following project completion. During this three year period, any requests for document recovery and reproduction will be assessed a fee in accordance with PROFESSIONAL CONSULTANT's FEES.

ARTICLE IX - SAFETY

- A. CITY agrees to inform PROFESSIONAL CONSULTANT of any applicable site safety procedures and regulations known to CITY as well as any special safety concerns or dangerous conditions at the site of which the CITY is aware, which PROFESSIONAL CONSULTANT shall communicate to its employees. PROFESSIONAL CONSULTANT and its employees shall adhere to such procedures and regulations once notice has been given by the CITY.
- B. Unless specifically provided in the SCOPE, PROFESSIONAL CONSULTANT shall not have any responsibility for overall job safety at the site. If in the PROFESSIONAL CONSULTANT's opinion, its field personnel are unable to access required locations or perform required services in conformance with applicable safety standards, PROFESSIONAL CONSULTANT may immediately suspend performance until such safety standards can be attained.
- C. PROFESSIONAL CONSULTANT agrees to indemnify and hold harmless the CITY for any safety conditions that may arise out of PROFESSIONAL CONSULTANT's performance of this AGREEMENT.

ARTICLE X - TERMINATION

- A. CITY may suspend or terminate this AGREEMENT for cause or without cause at any time by giving written notice to PROFESSIONAL CONSULTANT. In the event suspension or termination is without cause, payment to PROFESSIONAL CONSULTANT, in accordance with the terms of this AGREEMENT, will be made on the basis of services reasonably determined by the CITY to be satisfactorily performed to the date of suspension or termination. Such payment will be due upon delivery of all instruments of service to CITY.
- B. Should the CITY require a modification of this AGREEMENT with the PROFESSIONAL CONSULTANT, and in the event the CITY and PROFESSIONAL CONSULTANT fail to agree upon a modification to this AGREEMENT, the CITY shall have the option of terminating this AGREEMENT and the PROFESSIONAL CONSULTANT's services hereunder at no additional cost other than the payment to PROFESSIONAL CONSULTANT, in accordance with the terms of this AGREEMENT, for the services reasonably determined by the CITY to be properly performed by PROFESSIONAL CONSULTANT prior to such termination date.
- C. If, for whatever reason adequate funding is not made available by CITY to support or justify continuation of the level of services to be provided by PROFESSIONAL CONSULTANT under this AGREEMENT, CITY may terminate or reduce the amount of services to be provided by PROFESSIONAL CONSULTANT under this AGREEMENT. In such event, CITY will notify PROFESSIONAL CONSULTANT in writing at least thirty (30) days in advance of such termination or reduction of services for lack of funds.
- D. In no event shall the CITY pay to PROFESSIONAL CONSULTANT fees for termination outside of payment for services reasonably determined by the City to be properly performed prior to termination.

ARTICLE XI - INDEMNIFICATION

- A. For purposes of this AGREEMENT, PROFESSIONAL CONSULTANT agrees to indemnify, hold harmless the CITY, its officers and employees from any loss, damage, liability or expense, of any nature whatsoever to the extent caused by the negligence, willful misconduct, or other actionable fault of PROFESSIONAL CONSULTANT, its affiliates, subsidiaries, employees, agents, assignees, and subcontractors and their respective employees and agents. PROFESSIONAL CONSULTANT is not required hereunder to defend the CITY, its officers, appointees, employees, or agents from assertions that they were negligent, nor to indemnify and hold them harmless from liability based on the CITY's negligence
- B. Nothing contained herein shall waive any governmental immunity CITY may be entitled to by law.
- C. This provision shall survive the termination of this AGREEMENT.

ARTICLE XII - CONTINGENCY CLAUSE

- A. NOT USED

ARTICLE XIII - RELATIONSHIP OF THE PARTIES

It is understood and agreed by and between the parties that the PROFESSIONAL CONSULTANT, in satisfying the conditions of this AGREEMENT, is acting independently, and that the CITY assumes no responsibility or liabilities to any third party in connection with PROFESSIONAL CONSULTANT's actions. All services to be performed by the PROFESSIONAL CONSULTANT pursuant to this AGREEMENT shall be in the capacity of an Independent Contractor, and not as an agent or employee of CITY. The PROFESSIONAL CONSULTANT shall supervise the performance of its services and shall be entitled to control the manner and means by which its services are to be performed, subject to the terms of this AGREEMENT. There is no intended third party beneficiary to the AGREEMENT and nothing contained herein shall create a contractual relationship with, or any rights in favor of, any third party.

ARTICLE XIV - DISPUTE RESOLUTION

- A. CITY and PROFESSIONAL CONSULTANT agree that disputes relative to the services will first be addressed by negotiations between the Parties. If direct negotiations fail to resolve the dispute, the Party initiating the claim that is the basis for dispute may take such steps as it deems necessary to protect its interests; provided, however, that notwithstanding any such dispute, PROFESSIONAL CONSULTANT will proceed with the services as per this AGREEMENT as if no dispute existed, and CITY will continue to make payment for PROFESSIONAL CONSULTANT's completed services; and provided further that no dispute will be submitted to arbitration without both Parties' express written consent.

ARTICLE XV - OPINIONS OF PROBABLE COST

- A. Since the PROFESSIONAL CONSULTANT has no control over the cost of labor, materials, equipment or services furnished by others, or over methods of determining prices, or over competitive bidding or market conditions, the PROFESSIONAL CONSULTANT's estimates of PROJECT costs and construction costs provided for herein are to be made on the basis of the PROFESSIONAL CONSULTANT's experience and qualifications and represent the PROFESSIONAL CONSULTANT's judgement in accordance with the "Standard of Care". The PROFESSIONAL CONSULTANT cannot and does not guarantee that proposals,

bids or actual PROJECT or construction costs will not vary from estimates prepared by the PROFESSIONAL CONSULTANT.

- B. The CITY understands that the construction cost estimates developed by the PROFESSIONAL CONSULTANT do not establish a limit for construction contract amount. If the actual amount of the low construction bid exceeds the construction budget established by the CITY, the PROFESSIONAL CONSULTANT will not be required to re-design the PROJECT or any part thereof without additional compensation.

ARTICLE XVI - APPLICABLE LAWS

PROFESSIONAL CONSULTANT shall comply with all Federal, State, Local laws, ordinances, resolutions, specifications, regulations and all other laws or regulations relating or applicable to service to be performed under this AGREEMENT. Interpretation of this AGREEMENT and disputes arising out of or related to this AGREEMENT will be subject to and governed by the laws of the State of Arkansas. Jurisdiction and venue for any suit arising out of or related to this AGREEMENT will be in the District Court of Benton County, Arkansas.

ARTICLE XVII - PRECEDENCE

This AGREEMENT shall take precedence over any inconsistent or contradictory provisions contained in any proposal, contract, purchase order, requisition, notice to proceed, or any other like document regarding the PROJECT or PROFESSIONAL CONSULTANT's services.

ARTICLE XVIII - SEVERABILITY

- A. In the event that one or more provisions contained herein shall, for any reason, be deemed invalid, illegal, void or unenforceable, in whole or in part, the remaining provisions hereof shall remain in full force and effect.
- B. In the event that any provision hereof is in conflict with any statutory provision of the State of Arkansas, said provision, which may be in conflict therewith, shall be deemed inoperative, null and void insofar as it may be in conflict therewith, and shall be deemed modified to conform to such statutory provisions; provided, however, that the remaining provisions of this AGREEMENT will be unaffected and will continue to be valid and enforceable.

ARTICLE XIX - SURVIVAL OF OBLIGATIONS

The obligations of the Parties contained in this AGREEMENT, which by their nature survive after the term of the AGREEMENT, shall survive the termination or expiration of this AGREEMENT and continue indefinitely or as otherwise provided by this AGREEMENT.

ARTICLE XX – ENTIRE AGREEMENT

This AGREEMENT, including all documents and Appendices included by reference herein, constitutes the entire agreement between the PARTIES and supersedes all prior agreements, whether oral or written, covering the same subject matter. This AGREEMENT may not be modified or amended except in writing, mutually agreed upon and accepted by both PARTIES to this AGREEMENT.

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The cost of this AGREEMENT including all reimbursable expenses as described in the FEES AND SCHEDULE, **shall not exceed** fifty-two thousand five hundred dollars (\$52,500.00), unless otherwise approved by the CITY through an official AMENDMENT agreed and executed by CITY and PROFESSIONAL CONSULTANT.

IN WITNESS THEREOF, the CITY and PROFESSIONAL CONSULTANT have executed this AGREEMENT, the EFFECTIVE DATE of which is indicated on page 1 of this AGREEMENT.

<u>CITY OF BENTONVILLE</u>	<u>PROFESSIONAL CONSULTANT</u>
CITY	
<u>BY</u>	<u>BY</u>
<u>MAYOR</u>	<u>TITLE</u>
TITLE	
<u>DATE SIGNED</u>	<u>DATE SIGNED</u>

APPENDIX A

PROPOSED SCOPE OF WORK



City of Bentonville
Power Transformer Procurement Scope
December 22, 2023

Project Understanding:

Bentonville Electric Utility Department (BEUD) seeks to procure a 67-12.47kV, Dyn1, 18/24/30 MVA Class II power transformer to support the future construction of a new substation. Allgeier, Martin & Associates (AMA) will provide engineering services as outlined below in support of the procurement to ensure BEUD receives a transformer from a reputable manufacturer that will meet industry and BEUD's performance specifications.

Procurement:

AMA scope:

1. Review BEUD specifications and suggest any appropriate changes.
2. Provide additional qualification questions appropriate to screening manufacturers, but can be readily answered in a public venue.
3. Answer any technical questions submitted by vendors during the bid process.
4. Perform bid evaluation, work with vendors on any necessary clarifications and make a recommendation to the BEUD.

BEUD scope:

1. Provide contract documents and specifications.
2. Provide public bid notification and send notices to select vendors.
3. Perform all T&C negotiations.
4. Issue PO and place the transformer on order.
5. Answer questions and provide clarifications in a timely manner.

Project Management:

AMA scope:

1. Attend a specification review or kickoff call with selected vendor.
2. Track manufacturing status.
3. Work on behalf of BEUD to resolve any supplier issues and/or approve proposed substitutions by the vendor.
4. Review and recommend any milestone invoices.
5. Receive and review up to two rounds of design data and make comments to the manufacturer.
6. Receive and review up to two rounds of approval drawings and make comments to the manufacturer, assuming a turnaround time of ten (10) business days.
7. Receive and review up to two rounds of vendor's Certified Test Report.
8. Receive and review field assembly and test report.

BEUD scope:

1. Provide examples of preferred fan control schemes as well as alarm and indication schematics.

Factory Acceptance Testing Witness:

AMA scope:

1. Perform witnessing of factory testing on site, including losses, heat run and dielectric tests.
2. Includes two (2) days of travel @ eight (8) hours and three (3) days on site at twelve (12) hours.



3. Provide a report with narrative of testing and pictures of the unit in the test bay.
BEUD scope:
4. No specific scope.

Pricing:

Allgeier Martin proposes to perform the above scopes for the following amounts on a Not to Exceed basis:

1. Procurement – \$11,000
2. Project Management –\$22,000
3. Factory Acceptance Testing Witness – \$16,000, including \$3500 in estimated travel costs.

Above amounts are based on AMA's 2024 Rate Table. Work performed under these scopes after January 1, 2025 shall be subject to the latest published rate table and a subsequent increase in the Not to Exceed amounts in line with the increase in rates.

CITY OF BENTONVILLE

ALLGEIER, MARTIN AND ASSOCIATES, INC.

By: _____

By:  _____

Printed Name _____

Printed Name Kris Zibert

Title _____

Title Vice President

Date _____

Date 12/22/23

ALLGEIER, MARTIN and ASSOCIATES, INC.
2024 CLASSIFICATION FEE SCHEDULE - Electrical Division
(Effective January 1, 2024)

Title	Classification	Hourly Rate
ENG VI	ENGINEER VI	\$ 297.00
ENG V	ENGINEER V	\$ 266.00
ENG IV	ENGINEER IV	\$ 236.00
ENG III	ENGINEER III	\$ 198.00
ENG II	ENGINEER II	\$ 158.00
ENG I	ENGINEER I	\$ 118.00
TEC V	TECHNICIAN V	\$ 170.00
TEC IV	TECHNICIAN IV	\$ 152.00
TEC III	TECHNICIAN III	\$ 133.00
TEC II	TECHNICIAN II	\$ 110.00
TEC I	TECHNICIAN I	\$ 77.00
DRF III	DRAFTER III	\$ 70.00
DRF II	DRAFTER II	\$ 60.00
DRF I	DRAFTER I	\$ 47.00
SCA VI	CLERK / ASSISTANT VI	\$ 100.00
SCA V	CLERK / ASSISTANT V	\$ 92.00
SCA IV	CLERK / ASSISTANT IV	\$ 77.00
SCA III	CLERK / ASSISTANT III	\$ 61.00
SCA II	CLERK / ASSISTANT II	\$ 53.00
SCA I	CLERK / ASSISTANT I	\$ 46.00
RW V	RIGHT OF WAY REPRESENTATIVE V	\$ 168.00
RW IV	RIGHT OF WAY REPRESENTATIVE IV	\$ 154.00
RW III	RIGHT OF WAY REPRESENTATIVE III	\$ 134.00
RW II	RIGHT OF WAY REPRESENTATIVE II	\$ 98.00
RW I	RIGHT OF WAY REPRESENTATIVE I	\$ 75.00
PR VI	PROJECT REPRESENTATIVE VI	\$ 160.00
PR V	PROJECT REPRESENTATIVE V	\$ 134.00
PR IV	PROJECT REPRESENTATIVE IV	\$ 115.00
PR III	PROJECT REPRESENTATIVE III	\$ 100.00
PR II	PROJECT REPRESENTATIVE II	\$ 86.00
PR I	PROJECT REPRESENTATIVE I	\$ 70.00
RLS III	REGISTERED LAND SURVEYOR III	\$ 165.00
RLS II	REGISTERED LAND SURVEYOR II	\$ 145.00
RLS I	REGISTERED LAND SURVEYOR I	\$ 120.00
SVY VI	SURVEY CREW MEMBER VI	\$ 115.00
SVY V	SURVEY CREW MEMBER V	\$ 90.00
SVY IV	SURVEY CREW MEMBER IV	\$ 80.00
SVY III	SURVEY CREW MEMBER III	\$ 71.00
SVY II	SURVEY CREW MEMBER II	\$ 65.00
SVY I	SURVEY CREW MEMBER I	\$ 59.00
CS IV	COMPUTING SPECIALIST IV	\$ 170.00
CS III	COMPUTING SPECIALIST III	\$ 133.00
CS II	COMPUTING SPECIALIST II	\$ 93.00
CS I	COMPUTING SPECIALIST I	\$ 60.00
PRT III	PRINT & PHOTOGRAPHY SPECIALIST III	\$ 90.00
PRT II	PRINT & PHOTOGRAPHY SPECIALIST II	\$ 70.00
PRT I	PRINT & PHOTOGRAPHY SPECIALIST I	\$ 48.00

ALLGEIER, MARTIN and ASSOCIATES, INC.
2024 Standard Ancillary Rates - Electrical Division

Vehicle Mileage	\$ 0.67 per mile (<i>or current IRS rate</i>)
Travel Expenses	Actual Cost
Lodging	Actual Cost
Meals	Current AM Per Diem or Actual Cost
Special Postage or Shipping	Actual Cost
Special Engineering Software:	
PLS (CADD, Pole, Tower, Etc.)	\$ 5.00 per hour
Aspen OneLiner	\$ 11.00 per hour
MilSoft	\$ 6.00 per hour
3D Design	\$ 16.00 per hour
Electrical Design	\$ 16.00 per hour
Cyme	\$ 26.00 per hour
Special Survey Materials	Actual Cost + 10%
Rental Equipment	Actual Cost + 10%
Subcontracted Services	Actual Cost + 10%
All-Terrain Vehicle (ATV)	\$ 40.00/Day
Utility Vehicle (UTV, Side-by-Side)	\$ 66.00/Day
GPS	\$ 50.00/Hour

RESOLUTION NO. _____

A RESOLUTION AUTHORIZING THE MAYOR AND CLERK TO ENTER INTO A PROFESSIONAL SERVICES AGREEMENT WITH ALLGEIER, MARTIN, AND ASSOCIATES, INC. FOR SERVICES RELATED TO THE EXPANSION OF SUBSTATION “A” IN THE AMOUNT OF FIFTY-TWO THOUSAND FIVE HUNDRED DOLLARS (\$52,500.00); AND FOR OTHER PURPOSES.

WHEREAS, the City of Bentonville requires professional services related to the expansion of Substation “A”;

WHEREAS, Allgeier, Martin, and Associates, Inc. will prepare bid documents, assist in procurement, monitor during construction, and possible factory oversight; and

WHEREAS, this agreement will be paid with budgeted funds.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL FOR THE CITY OF BENTONVILLE, ARKANSAS.

Section 1: That the Mayor and Clerk are hereby authorized to enter into a professional services agreement with Allgeier, Martin and Associates, Inc. in the amount of fifty-two thousand five hundred dollars (\$52,500.00) for professional services related to the expansion of Substation “A”;

Section 2 - Severability Provision: If any part of this Resolution is held invalid, the remainder of this Resolution shall continue in effect as if such invalid portion never existed; and

Section 3 - Repeal of Conflicting Provisions: All Ordinances, Resolutions, or Orders of the City Council, or parts of the same, in conflict with this Resolution are repealed to the extent of such conflict.

PASSED and APPROVED this _____ day of _____, 2024.

APPROVED:

MAYOR

ATTEST:

CITY CLERK



City of Bentonville, Arkansas Agenda Item Form

Item Details

Council Meeting Date:	2/13/2024	Submitted By:	Mike Bender
Phone:	479-271-3140	For Department(s):	Wastewater - Water Resource Recovery Facility
Email:	mbender@bentonvillear.com		

Item Type (Check all that apply)

☐ Informational	☐ Bid Award	☐ Enter into an Agreement	☐ Change Order
☒ Recognizing Funds	☐ Budget Adjustment	☐ Waiver of Bid	☐ Emergency Clause
☐ Ordinance	☒ Resolution	☐ Informational	

Title, Recommendation & Justification

Title:	Resolution of Intent Regarding the Water Resource Recovery Facility (WRRF) Improvements Project
Action Recommendation & Justification:	Resolution - This Resolution expresses the City's intent to advance its own funds to pay project costs in advance of Program funds prior to issuance of the WRRF Improvement Bond and to reimburse itself with Program funds once the WRRF Improvement Bond has been issued and pay debt service on said Bond with sewer revenues. Utility Board approved this item 4-0. No budget adjustment is needed.
Additional Comments for Consideration (Optional):	City Council approved Resolution No. 08-08-23A in August of 2023 stating its willingness to accept financial assistance from Arkansas Natural Resources Commission in the amount of \$97,759,381.00 for improvements at the City's Water Resource Recovery Facility.
Amount for Approval:	\$

Budget Impact

Is this Item Budgeted? ☐ YES ☐ NO ☒ ITEM HAS NO COST ☐ OTHER: _____

Budget Adjustment (to be completed by Finance when applicable)

Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue
Account Number (ORG-OBJECT)	Account Description	Expense	Revenue

Fund(s) Impacted

(check all that apply)

☐ General Fund ☐ Utility Fund ☐ Street Fund ☐ Other(s): _____

Budget Impact Notes for Consideration (Optional):

City of Bentonville, Arkansas

City Hall

305 SW A Street Bentonville, AR 72712

www.bentonvillear.com

Please Recycle!

RESOLUTION NO. _____

**A RESOLUTION OF INTENT REGARDING
THE BENTONVILLE WATER RESOURCE RECOVERY FACILITY (WRRF)
IMPROVEMENTS PROJECT; AND FOR OTHER PURPOSES**

WHEREAS, the City of Bentonville, Arkansas (the "City"), proposes to make improvements to the City's sewer system (the "Project"), described as follows:

The Water Resource Recovery Facility (WRRF) Improvements Project consists of a Capital Improvement Plan to repair/replace failing/obsolete infrastructure and Process Intensification to increase capacity to accommodate growth in the served basin. The Capital Improvement Plan includes, without limitation, replacement of Clarifier No. 1 including relocation of a maintenance shop and vehicle storage facilities and new Clarifier No. 3; replacement of obsolete ultra-violet (UV) disinfection system; installation of tertiary filters; installation of effluent pumping; relocation of electrical service; construction of digester valve vaults; laboratory facilities and administration building improvements; and associated ancillary improvements. The Process Intensification includes, without limitation, new plant headworks, expansion of anoxic basins, aeration basin modifications, addition of density baffles to clarifiers and other clarifier improvements, installation of dual use filters, and associated ancillary improvements. Items included in the Capital Improvement Plan will be sized to accommodate the capacity identified for the intensification improvements;

WHEREAS, the Project will also ensure compliance with the Clean Water Act;

WHEREAS, the City proposes to obtain funds to accomplish the Project from the proceeds of a sewer revenue bond (the "WRRF Improvement Bond") to be issued by the City and purchased by the Arkansas Natural Resources Commission (the "Commission") as a part of the Clean Water Revolving Loan Fund Program (the "Program") or other funds;

WHEREAS, the purchase price for the WRRF Improvement Bond will be paid from state funds made available by the Program ("Program funds");

WHEREAS, the estimated cost of the Project and expenses of issuing the Bond is ninety-seven million, seven hundred fifty-nine thousand, three hundred eighty-one dollars (\$97,759,381.00);
and

WHEREAS, the purpose of this Resolution is for the City to declare its “official intent” for the issuance of the WRRF Improvement Bond within the meaning of the applicable income tax regulations promulgated by the United States Treasury Department.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Bentonville, Arkansas:

Section 1: The City hereby expresses its intent to advance its own funds to pay costs of the Project, including but not limited to legal, engineering, and right-of-way costs and with Commission approval, to reimburse itself from Program Funds for all expenditures for costs paid by the City prior to the issuance of the WRRF Improvement Bond. Debt service on the Bond will be paid from sewer revenues. Interest on the Bond shall be exempt from federal income taxation;

Section 2: The City expects that, but does not limit the sources of, funds to be advanced for the Project and bond issuance costs prior to issuance of the Bond will be sewer system revenue;

Section 3: A copy of this Resolution shall be filed in the official records of the City in the office of the City Clerk/Recorder within ten (10) days from the adoption hereof. It shall be continuously available for public inspection during regular business hours on every business day until the date of issuance of the WRRF Improvement Bond;

Section 4 - Severability Provision: If any part of this Resolution is held invalid, the remainder of this Resolution shall continue in effect as if such invalid portion never existed; and

Section 5 – Repeal of Conflicting Provisions: All Ordinances, Resolutions, or Orders of the City Council, or parts of the same, in conflict with this Resolution are repealed to the extent of such conflict.

PASSED: _____, 2024.

APPROVED:

BY: _____
Stephanie Orman, Mayor
City of Bentonville

ATTEST:

BY: _____
Kirby Romines, Clerk/Recorder
City of Bentonville