



CITY COUNCIL AGENDA

January 17, 2023

THE CITY COUNCIL SHALL HOLD ITS REGULAR MEETINGS IN THE COUNCIL CHAMBER IN THE CITY HALL, LOCATED AT 121 S. MERIDIAN, BEGINNING AT 7:00 P.M.

- 1. CALL TO ORDER**
- 2. ROLL CALL**
- 3. INVOCATION: MINISTERIAL ALLIANCE**
- 4. PLEDGE OF ALLEGIANCE**
- 5. APPROVAL OF AGENDA p 4**
- 6. ADMINISTRATION AGENDA p 5**
 - A. City Council Meeting Minutes –
- 7. PRESENTATIONS / PROCLAMATIONS p 10**
- 8. PUBLIC FORUM (Citizen input and requests) p 10**
- 9. APPOINTMENTS p 10**
- 10. OLD BUSINESS p 11**
 - A. Ordinance 1384-23: Longevity p 11
 - B. Approval of Agreement with PEC for Water Master Plan p 14
- 11. NEW BUSINESS p 27**
 - A. Request to refurbish basketball courts in Lions Park p 27
 - B. Approval to solicit Request for Proposals (RFP) for Prairie Lakes Phase III p 31
- 12. CONSENT AGENDA p 71**
 - A. Appropriation Ordinance - January 17, 2023 p 72
 - B. Economic Development Board Minutes – January 4, 2023 p 80
- 13. STAFF REPORTS p 82**
- 14. GOVERNING BODY REPORTS p 98**
- 15. ADJOURN**

All items listed on this agenda are potential action items unless otherwise noted. The agenda may be modified or changed at the meeting without prior notice.

At any time during the regular City Council meeting, the City Council may meet in executive session for consultation concerning several matters (real estate, litigation, non-elected personnel, and security).

This is an open meeting, open to the public, subject to the Kansas Open Meetings Act (KOMA). The City of Valley Center is committed to providing reasonable accommodations for persons with disabilities upon request of the individual. Individuals with disabilities requiring an accommodation to attend the meeting should contact the City Clerk in a timely manner, at cityclerk@valleycenterks.org or by phone at (316)755-7310.

For additional information on any item on the agenda, please visit www.valleycenterks.org or call (316) 755-7310.

CALL TO ORDER

ROLL CALL

INVOCATION – MINISTERIAL ALLIANCE

PLEDGE OF ALLEGIANCE

APPROVAL OF AGENDA

RECOMMENDED ACTION:

Staff recommends motion to approve the agenda as presented / amended.

ADMINISTRATION AGENDA

A. MINUTES:

Attached are the Minutes from the January 3, 2023, regular City Council Meeting as prepared by the City Clerk.

REGULAR COUNCIL MEETING
January 3, 2023
CITY HALL
121 S. MERIDIAN

Mayor Cicirello called the regular council meeting to order at 7:00 p.m. with the following members present: Matt Stamm, Chris Evans, Clint Bass, Ben Anderson, Gina Gregory, Dale Kerstetter, Robert Wilson, and Ronald Colbert.

Members Absent: None

Staff Present: Barry Arbuckle, City Attorney
 Lloyd Newman, Public Safety Director
 Ryan Shrack, Community Development Director
 Rodney Eggleston, Public Works Director
 Neal Owings, Parks and Public Building Director
 Gage Scheer, City Engineer
 Barry Smith, Asst. City Administrator
 Brent Clark, City Administrator
 Kristi Carrithers, City Clerk

Press present: Ark Valley News

APPROVAL OF AGENDA

Gregory moved to approve the agenda as presented, seconded by Evans. Vote yea: unanimous. Motion carried.

ADMINISTRATION AGENDA –

DECEMBER 20, 2022, REGULAR CITY COUNCIL MINUTES-

Evans to approve the minutes of the December 20, 2022, regular City Council meeting as presented, seconded by Bass. Vote yea: Unanimous Motion carried.

PRESENTATIONS/PROCLAMATIONS – None

PUBLIC FORUM – None.

APPOINTMENTS – None

OLD BUSINESS – None

NEW BUSINESS-

A. ORDINANCE 1384-23; LONGEVITY

Asst. City Administrator of Smith presented Ordinance 1384-23 regarding Longevity years of service pay increase. Longevity pay increases are set by Ordinance and with approval of employee personnel manual effective 01/01/2023 an update is needed.

Colbert moved to approve Ordinance 1384-22 regarding longevity pay for 1st reading. Motion seconded by Evans. Vote yea: Unanimous Motion carried.

B. APPROVAL OF FOOD FOR FINES PROGRAM

Public Safety Director Newman asked for approval of the Food for Fines program. If approved, it will be run February 1st thru March 31st. All food is donated to the Ministerial Alliance to help the local community.

Anderson moved to approve Food for Fines program and set the amount per can/food item at \$5.00 with a maximum amount of \$50.00. Motion seconded by Kerstetter. Vote Yea: unanimous. Motion carried.

C. 2023 WATER RATE APPROVAL

Asst. City Administrator Smith presented a request for approval of 2023 City of Valley Center water rates. These are adjusted annually based on City of Wichita rate increases. Smith explained that the proposal holds the increase as low as possible. To offset the increase from City of Wichita, the proposal turns the convenience fees for use of debit/credit cards and the fee for online payments. These fees were waived at the start of the Covid pandemic. He stressed that no fee is incurred by the customer if paid with check, cash, or bank draft. Smith stated that holding the rate increase to 4% doesn't penalize those residents that pay with those methods. If approved increase would go into effect on March bills.

Stamm made motion to approve proposed 2023 water rates for the City of Valley Center.

- Increase sewer rates by the standard 2.5%
- Increase water rates for tier 1, 2, and 3 by 4%
- Turn on convenience fees for any utility payment made with a debit/credit card at 2.5%
- Turn on convenience fees for online and IVR payments charged by Incode (\$1.25)

Motion seconded by Anderson. Vote Yea: unanimous. Motion carried.

D. FEE SCHEDULE DISCUSSION

Asst. City Administrator Smith led discussion regarding update to formal fee schedule. He explained that staff had reviewed all fees including old or outdated fees in Ordinances. Following discussion, Smith will finalize fee schedule and seek final approval at the January 17th meeting. Kerstetter asked if business license fees are listed on this schedule. Smith stated they will be added to the schedule for approval.

E. ACCEPTANCE OF BID FOR DUMP TRUCK

Parks and Public Buildings Director Owings reported that one bid was received for the 1999 GMC dump truck. He stated that it was a fair and competitive bid in the amount of \$15,750.00, and recommended acceptance of the bid.

Evans moved to accept bid from Kurt Bachman in the amount of \$15,750.00 for the 1999 GMC 1ton dump truck. Motion seconded by Anderson. Vote Yea: unanimous. Motion carried.

F. APPROVAL OF AGREEMENT WITH PEC FOR WATER MASTER PLAN

City Engineer Gage Scheer presented agreement with PEC for the water master plan and water model analysis. He explained that it will evaluate the system for current and future growth of Valley Center. Gregory questioned the words "choose an item" that was listed throughout the document. Clark recommended tabling approval of the agreement until it can be reviewed and re-written.

Kerstetter moved to table the approval of agreement with PEC until the January 17th meeting. Gregory seconded the motion. Vote Yea. unanimous. Motion carried.

CONSENT AGENDA

A. APPROPRIATION ORDINANCE – JANUARY 3, 2023

Wilson moved, seconded by Colbert to approve the Consent Agenda as presented. Vote Yea: Unanimous. Motion carried.

STAFF REPORTS

COMMUNITY DEVELOPMENT DIRECTOR SHRACK

Main Street Valley Center will have their annual meeting beginning at 6:00pm at LeVenue, January 12, 2023. The Home Show in Wichita will be held in March this year. Shrack will have dates and volunteer sign-up sheet soon.

PARKS AND PUBLIC BUILDINGS DIRECTOR OWINGS

Reminded everyone that drop off for recycling of live Christmas trees is located in Veterans Park until January 20th.

PUBLIC WORKS DIRECTOR EGGLESTON

Eggleston updated Council on projects throughout the city.

GOVERNING BODY REPORTS –

COUNCILMEMBER GREGORY

There will be a SCAC meeting on January 14th beginning at 8:30pm.

COUNCILMEMBER COLBERT

Distributed information regarding upcoming topics for discussion at legislative sessions. Stated that he had been contacted regarding trash issues from residents, however, it was determined they do not reside within the city limits of Valley Center.

Colbert moved to adjourn, second by Kerstetter. Vote Yea: Unanimous.

ADJOURN -

Meeting adjourned at 7:39pm.

Kristi Carrithers, City Clerk

ADMINISTRATION AGENDA
RECOMMENDED ACTION

A. MINUTES:

RECOMMENDED ACTION:

Staff recommends motion to approve the minutes of the January 3, 2023, Regular Council Meeting as presented/ amended.

PRESENTATIONS / PROCLAMATIONS

PUBLIC FORUM

APPOINTMENTS

OLD BUSINESS

A. ORDINANCE 1384-23; LONGEVITY:

Asst. City Administrator Smith will present for 2nd reading Ordinance 1384-23 regarding Longevity pay increases.

- Ordinance 1384-23

ORDINANCE NO. 1384-23

**AN ORDINANCE OF THE CITY OF VALLEY CENTER, KANSAS,
AMENDING SECTION 2.28.073 OF THE VALLEY CENTER CITY CODE
BOOK AND CHANGING THE METHOD OF CALCULATING LONGEVITY
PAY.**

NOW THEREFORE, BE IT ORDAINED, by the Governing Body of Valley Center, Kansas:

SECTION 1. Section 2.28.073 of the Code of the City of Valley Center, Kansas is hereby amended to read as follows:

2.28.073 Longevity Recognition:

In recognition of continued service to the City, beginning January 1st, 2023, with the first full pay period following the employment anniversary dates following the 5th, 10th, 15th, 20th, 25th, and 30th years of service, Full-time hourly and exempt employees shall be awarded a 2.5% increase regardless of any other advancement awarded that year.

SECTION 2. This Ordinance shall take effect and be in force from and after its passage, approval and publication once in the official city newspaper.

Passed by the City Council on this 17th day of January 2023, and signed by the Mayor on the 17th day of January 2023.

1st. Reading January 3, 2023
2nd. Reading January 17, 2023

ATTEST:

Lou Cicirello, Mayor

Kristi Carrithers, City Clerk

{seal}

OLD BUSINESS
RECOMMENDED ACTION

A. ORDINANCE 1384-23; LONGEVITY:

Should Council choose to proceed

RECOMMENDED ACTION

City staff recommends approval of Ordinance 1384-23 regarding longevity pay for 2nd. reading.

OLD BUSINESS

B. APPROVAL OF AGREEMENT WITH PEC FOR WATER MASTER PLAN:

Gage Scheer will present corrected agreement with PEC for the water master plan and water model analysis. PEC's Fee for its Scope of Services will be on a lump sum basis in the amount of \$43,500.

- Staff Memo
- Map of water system
- PEC Water Master Plan Agreement



January 17th, 2023

To: Mayor Cicirello & Council Members

From: Brent Clark, City Administrator

Subject: *Water Master Plan Agreement*

PROPOSAL

As the City of Valley Center embarks on developing our own Water Treatment Facility with Burns & McDonnell, there is a need to review the entire water distribution system. This proposal includes a draft and final master plan report that will provide critical information for the Water Treatment Facility.

The master plan will collect information pertaining but not limited to, daily water consumption, storage and pump facility analysis, pressure studies and fire hydrant flow testing, population and water demand projections, hydraulic modeling of the entire distribution system, and distribution system alternatives.

We did receive three proposals for the Water Master Plan and Water Model analysis and the prices are below:

SEH, Inc.	\$ 42,500.00
PEC	\$ 43,500.00
Burns & McDonnell	\$ 50,000.00

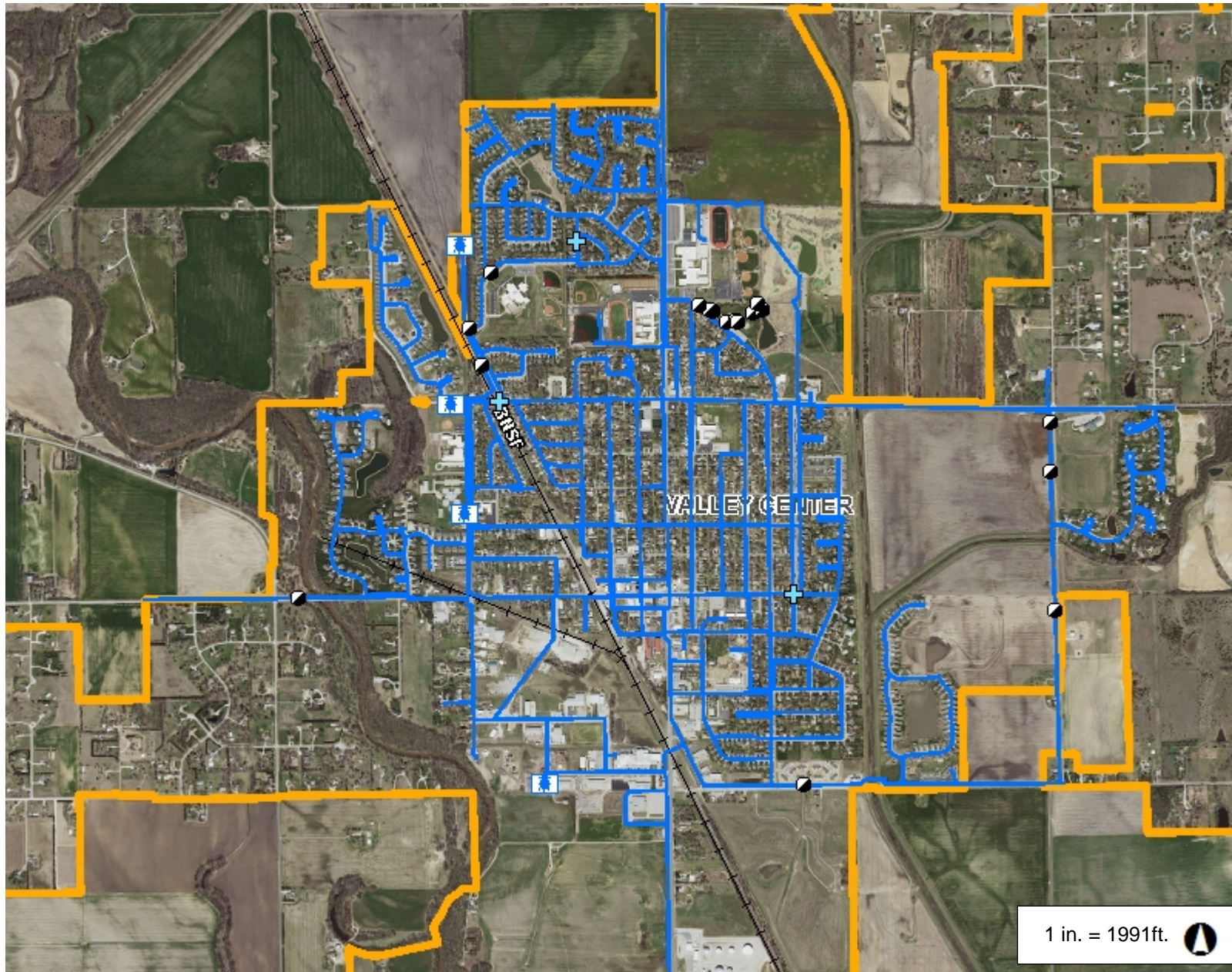
The project will get started within 14 days after providing notice to proceed and will be completed within 180 days after receiving the notice to proceed. PEC has worked closely with Burns & McDonnell on several projects with a current one being the Wichita Water Treatment Plant, and we feel that collaboration is imperative as we continue moving forward with our project.

RECOMMENDATION







If Council chooses to proceed, staff recommends the approval PEC on a lump sum basis in the amount of \$43,500.

Sincerely,
Brent Clark
City Administrator

Valley Center, KS



Legend

-  Water Network Structure
-  Water Control Valve
-  Water Repair Point
-  Water Main
-  Railroad
-  Corporate Limit

Notes

3,981.1 0 1,990.57 3,981.1 Feet

This Cadastral Map is for informational purposes only. It does not purport to represent a property boundary survey of the parcels shown and shall not be used for conveyances or the establishment of property boundaries.

THIS MAP IS NOT TO BE USED FOR NAVIGATION



January 5, 2023

Brent Clark
City Administrator
City of Valley Center
P.O. Box 188
Valley Center, KS 67147

Reference: AGREEMENT for Valley Center Water Master Plan
Valley Center, KS
31-217013-999-2502

Dear Mr. Clark:

Professional Engineering Consultants, P.A. ("PEC") is pleased to provide professional services to City of Valley Center ("Client") in connection with the referenced Project, and in accordance with this letter agreement ("Agreement"). The services to be performed by PEC ("the Services") are described in Exhibit A – Services, Schedule, and Payment (attached and incorporated by reference) and are subject to the following terms and conditions.

Performance. PEC will perform the Services with the level of care and skill ordinarily exercised by other consultants of the same profession under similar circumstances, at the same time, and in the same locality. PEC agrees to perform the Services in as timely a manner as is consistent with the professional standard of care and to comply with applicable laws, regulations, codes and standards that relate to the Services and that are in effect as of the date when the Services are provided.

Client Responsibilities. To enable PEC to perform the Services, Client shall, at its sole expense: (1) provide all information and documentation regarding Client requirements, the existing site, and planned improvements necessary for the orderly progress of the Services; (2) designate a person to act as Client representative with authority to transmit instructions, receive instructions and information, and interpret and define Client requirements and requests regarding the Services; (3) provide access to, and make all provisions for PEC to enter the project site as required to perform the Services, including those provisions required to perform subsurface investigations such as, but not limited to, clearing of trees and vegetation, removal of fences or other obstructions, and leveling the site; (4) site restoration and repair, as needed following field investigations; (5) establish and periodically update a project budget, which shall include a contingency to cover additional services as may be required by changes in the design or Services; and (6) timely respond to requests for information and timely review and approve all design deliverables. PEC shall be entitled to rely on all information and services provided by Client. Client recognizes field investigations may damage existing property. PEC will take reasonable precautions to minimize property damage whenever field investigations are included in the Services.

Payment. Invoices will be submitted periodically and are due and payable upon receipt. Unpaid balances more than 30 days past due shall be subject to an interest charge at the rate of 1.5 % per month from the date of the invoice, and any related attorneys' fees and collection costs. PEC reserves the right to suspend the Services and withhold deliverables if the Client fails to make payment when due. In such an event, PEC shall have no liability for any delay or damage resulting from such suspension.

Brent Clark
City Administrator
Valley Center Water Master Plan
January 5, 2023
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Work Product. PEC is the author and owner of all reports, drawings, specifications, test data, techniques, photographs, letters, notes, and all other work product, including in electronic form, created by PEC in connection with the Project (the “Work Product”). PEC retains all common law, statutory, and other reserved rights in the Work Product, including copyrights. The Work Product may not be reproduced or used by the Client or anyone claiming by, through or under the Client, for any purpose other than the purpose for which it was prepared, including, but not limited to, use on other projects or future modifications to the Project, without the prior written consent of PEC. Any unauthorized use of the Work Product shall be at the user’s sole risk and Client shall indemnify PEC for any liability or legal exposure arising from such unauthorized use. To the extent PEC terminates this Agreement due to non-payment by Client shall not be entitled to use the Work Product for any purpose without the prior written consent of PEC.

Unless otherwise agreed by Client and PEC, Client may rely upon Work Product only in paper copy (“hard copy”) or unalterable digital files, with either wet or digital signature meeting the requirements of the governing licensing authority having jurisdiction over the Project. In all instances, the original hard copy of the Work Product takes precedence over electronic files. All electronic files furnished by PEC are furnished only for convenience, not reliance by Client, and any reliance on such electronic files will be at the Client sole risk.

Insurance. PEC and Client agree to each maintain statutory Worker’s Compensation, Employer’s Liability Insurance, General Liability Insurance, and Automobile Insurance coverage for the duration of this Agreement. Additionally, PEC will maintain Professional Liability Insurance for PEC’s negligent acts, errors, or omissions in providing Services pursuant to this Agreement.

Supplemental Agreements. Changes in the Services may be accomplished after execution of this Agreement only by a written Supplemental Agreement signed by PEC and Client. For any change that increases PEC’s cost of, or time required for performance of any part of the Services, PEC’s compensation and time for performance will be equitably increased.

Differing, Concealed, or Unknown Conditions. If PEC encounters conditions at the Project site that are (1) subsurface or otherwise concealed physical conditions that differ materially from those indicated in the information provided to PEC or (2) unknown physical conditions of an unusual nature that differ materially from those ordinarily found to exist and generally recognized as inherent in construction activities provided for in this Agreement, PEC will, if practicable, promptly notify Client before conditions are disturbed. Subsurface condition identification is limited to only those points where samples are taken. The nature and extent of subsurface condition variations across the site may not become evident until construction. PEC assumes no liability for site variations differing from those sampled or changed conditions discovered during construction. If the differing, concealed, or unknown conditions cause an increase in PEC’s cost of, or time required for performance of any part of the Services, PEC’s compensation and time for performance will be equitably increased.

Additionally, Client (1) waives all claims against PEC and (2) agrees to indemnify and hold harmless PEC as well as its respective officers, directors and employees, from and against liability for claims, losses, damages, and expenses, including reasonable attorneys’ fees from all third-party claims resulting from differing, concealed, or unknown conditions.

Brent Clark
City Administrator
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Fast-Track, Phased or Accelerated Schedule. Accelerated, phased or fast-track scheduling increases the risk of incurring unanticipated costs and expenses including costs for PEC to coordinate and redesign portions of the Project affected by the procuring or installing elements of the Project prior to the completion of all relevant construction documents, and costs for the contractor to remove and replace previously installed work. If Client selects accelerated, phased or fast-track scheduling, Client agrees to include a contingency in the Project budget sufficient to cover such costs.

Force Majeure. PEC will not be liable to Client for delays in performing the Services or for any costs or damages that may result from: labor strikes; riots; war; acts of terrorism; acts or omissions of governmental authorities, the Project Client or third parties; extraordinary weather conditions or other natural catastrophes; acts of God; unanticipated site conditions; or other acts or circumstances beyond the control of PEC. In the event performance of the Services is delayed by circumstances beyond PEC's control, PEC's compensation and time for performance will be equitably increased.

Construction Means; Safety. PEC shall have no control over and shall not be responsible for construction means, methods, techniques, sequences or procedures, or for construction safety precautions and programs. PEC shall not be responsible for the acts or omissions of any contractor, subcontractor or any other person performing any work (other than the Services), or for the failure of any of them to carry out their work in accordance with all applicable laws, regulations, codes and standards, or the construction documents.

Cost Estimates. Upon request, PEC may furnish estimates of probable cost, but cannot and does not guarantee the accuracy of such estimates. All estimates, including estimates of construction costs, financial evaluations, feasibility studies, and economic analyses of alternate solutions, will be made on the basis of PEC's experience and qualifications and will represent PEC's judgment as a design professional familiar with the construction industry. However, PEC has no control over (1) the cost of labor, material or equipment furnished by others, (2) market conditions, (3) contractors' methods of determining prices or performing work, or (4) competitive bidding practices. Accordingly, PEC will have no liability for bids or actual costs that differ from PEC's estimates.

Termination. Both the Client and PEC have the right to terminate this Agreement for convenience upon fifteen calendar days' written notice to the other party. In the event the Client terminates this Agreement without cause, PEC shall be entitled to payment for all Services performed and expenses incurred up to the time of such termination, plus fees for any required transition services, and reimbursement of all costs incurred which are directly attributable to such termination.

Environmental Hazards. Client acknowledges that the Services do not include the detection, investigation, evaluation, or abatement of environmental conditions that PEC may encounter, such as mold, lead, asbestos, PCBs, hazardous substances (as defined by Federal, State or local laws or regulations), contaminants, or toxic materials that may be present at the Project site. Client agrees to defend, indemnify, and hold PEC harmless from any claims relating to the actual or alleged existence or discharge of such materials through no fault of PEC. PEC may suspend the Services, without liability for any damages, if it has reason to believe that its employees may be exposed to hazardous materials.

Betterment. PEC will not be responsible for any cost or expense that provides betterment, upgrade, or enhancement of the Project.

Dispute Resolution. The Client and PEC will endeavor to resolve claims, disputes and other matters in issue arising out of this Agreement, the Project or the Services through a meet and confer session. The meeting will be attended by senior representatives of Client and PEC who have full authority to

Brent Clark
City Administrator
Valley Center Water Master Plan
January 5, 2023
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resolve the claim. The meeting will take place within thirty (30) days after a request by either party, unless the parties mutually agree otherwise. Prior to the meeting, the parties will exchange relevant information that will assist in resolving the claim.

If the parties resolve the claim, they will prepare appropriate documentation memorializing the resolution.

If the parties are unable to resolve the claim, PEC and Client agree to submit the claim to mediation prior to the initiation of any binding dispute resolution proceedings (except for PEC claims for nonpayment). The mediation will be held in Wichita, Kansas, and the parties will share the mediator's fees and expenses equally.

Jurisdiction; Venue; Governing Law. To the fullest extent permitted by law, PEC and Client stipulate that the Eighteenth Judicial District, District Court, Sedgwick County, Kansas is the court of exclusive jurisdiction and venue to determine any dispute arising out of or relating to this Agreement, the Project or the Services. PEC and Client further agree that this Agreement shall be construed, interpreted and governed in accordance with the laws of the State of Kansas without regard to its conflict of laws principles.

Indemnity. To the fullest extent permitted by law, Client and PEC each agree to indemnify and hold harmless the other, as well as their respective officers, directors and employees, from and against liability for claims, losses, damages, and expenses, including reasonable attorneys' fees, provided such claim, loss, damage, or expense is attributable to bodily injury, sickness, disease, death, or property damage, but only to the extent caused by the negligent acts or omissions of the indemnifying party, or anyone for whose acts they may be liable.

Agreed Remedy. To the fullest extent permitted by law, the total liability, in the aggregate, of PEC and PEC's officers, directors, employees, agents, and consultants to Client and anyone claiming by, through or under Client, for any and all injuries, claims, losses, expenses, or damages, including, without limitation, attorneys' fees, arising out of or in any way related to this Agreement, the Services, or the Project, from any cause and under any theory of liability, shall not exceed PEC's total fee under this Agreement. In no event will PEC be liable for any indirect, incidental, special or consequential damages, including, without limitation, loss of use or lost profits, incurred by Client or anyone claiming by, through or under Client.

Assignment. Client will not assign any rights, duties, or interests accruing from this Agreement without the prior written consent of PEC. This Agreement will be binding upon the Client, its successors and assigns.

No Third-Party Beneficiaries. This Agreement is solely for the benefit of PEC and Client. Nothing herein is intended in any way to benefit any third party or otherwise create any duty or obligation on behalf of PEC or Client in favor of such third parties. Further, PEC assumes no obligations or duties other than the obligations to Client specifically set forth in this Agreement. PEC shall not be responsible for Client obligations under any separate agreement with any third-party.

Entire Agreement. This Agreement represents the entire and integrated agreement between PEC and Client and supersedes all prior negotiations, representations, or agreements, either written or oral. This Agreement may only be amended by a writing signed by PEC and Client.

Severability. If any provisions of this Agreement is determined to be unenforceable, in whole or in part, the remainder shall not be affected thereby and each remaining provision or portion thereof shall continue to be valid and effective and shall be enforceable to the fullest extent permitted by law.

Brent Clark
City Administrator
Valley Center Water Master Plan
January 5, 2023
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Thank you for engaging PEC; we look forward to working with you. If this Agreement is acceptable, please sign below and return an executed copy to me. Receipt of the executed copy will serve as PEC's notice to proceed with the Services.

Sincerely,

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.

Gage Scheer, PE
Design Engineer

GAS:cem

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.

By: _____, Signatory

Printed Name: Michael Kelsey

Title: Municipal Division Manager

Date: January 05, 2023

ACCEPTED:

City of Valley Center

By: _____

Printed Name: _____

Title: _____

Date: _____



EXHIBIT A

A. Project Description

1. The Project shall consist of a Water Master Plan and Water Model analysis.

B. Anticipated Project Schedule

1. PEC shall commence its services on the Project within 14 days after receiving CLIENT's notice to proceed.
2. PEC and CLIENT anticipate that the draft Water Master Plan will be completed within 180 days after receiving Notice to Proceed.
3. CLIENT acknowledges that directed changes, unforeseen conditions, and other delays may affect the completion of PEC's services. PEC will not have control over or responsibility for any contractor or vendor's performance schedule.

C. Project Deliverables

1. This Project Deliverables shall consist of the following sealed by an Engineer licensed in the State of Kansas where applicable:
 - a) Draft Master Plan Report
 - b) Final Master Plan Report

D. Scope of Services

1. Project Management:
 - a) Conduct project kick-off meeting.
 - b) Conduct a maximum of two project progress meetings and two workshops with City Staff.
 - c) Prepare project progress reports and incorporate with monthly status reports provided to the City.
2. Water Master Plan Update:
 - a) Data Collection
 - i. Obtain mapping of the existing distribution system from the City and conduct interviews as needed with key staff familiar with the distribution system.
 - ii. Collect water use data including average day use, peak daily use, peak hourly use, and usage information for large water consumers from City staff.
 - iii. Obtain physical and operations information pertaining to distribution system pumps and storage facilities from the City.
 - iv. Review existing studies, master plans, and comprehensive plans to be provided by the City.
 - v. Perform fire hydrant flow testing to collect system flow and pressure data. The ENGINEER will establish field test locations with City input, provide flow testing equipment, perform field testing, and evaluate results. The City shall provide staff to operate valves and inform residents of testing operations

prior to and during testing as necessary. ENGINEER plans to provide 2 people to perform flow testing.

b) Population Projections and Water Demands:

- i. Review development areas and update projected development with input from the CLIENT through a 20-year planning period (through 2045).
- ii. Review previous population and usage projections and update through the year 2045.
- iii. Prepare a Technical Memorandum (TM) #1 and submit to CLIENT for review. TM #1 shall include a summary of historical and current population and demands, projected population and demands through the year 2045, and projected future development area mapping.
- iv. Data from 2015 water supply study will be evaluated and updated as needed.

c) Dynamic Modeling:

- i. Develop a hydraulic model of the distribution system within the defined service area including the existing system and any further modifications to include:
 - 1) Developing a network of model segments water lines 4-inches and larger, and additional lines as needed to prepare a functioning model.
 - 2) Incorporating water storage facilities and pump data.
- ii. Utilize the field collected fire hydrant testing data and other system information to calibrate the model within reasonable accuracy to the existing system performance.
- iii. Identify data gaps based on the distribution system information provided and develop a corrective action plan to address these gaps. This plan will be submitted to the City.
- iv. Incorporate the additional data provided by the City to resolve data gaps.
- v. Create a scenario based on current water usage demands. Create scenarios for 20-year planning period at 5-year intervals.
- vi. Utilize the water model to analyze the system under current and projected average day, maximum day, and peak hour demands. Evaluate system pressures, pipe velocities, operations/controls, and water age. Evaluate current and projected fire flow capacities based on the needed fire flows.
- vii. Utilize the water model to evaluate the City's future Water Treatment Plant connection as compared to the City of Wichita connection, or in simultaneous use, to determine any operational differences.
- viii. Identify any current system deficiencies and future deficiencies based on the projected demands. System storage will be analyzed for ability to meet future demand conditions.

d) Distribution System Alternatives:

- i. Provide recommendations to existing distribution system to address deficiencies.

- ii. Evaluate future service areas and identify recommended improvements to serve growth areas.
 - iii. Evaluate storage needs to serve current and future demands and future development areas. Determine recommended size and location of proposed storage along with proposed operational controls. Evaluate the potential for pressure zones, booster stations, and control values.
 - iv. Utilize the model to evaluate system pressures, operations/controls, and water age with the proposed improvements.
- e) Final Report Preparation:
- i. Prepare a final report which summarizes the purpose of the study, how the study was conducted, conclusions, recommendations, and cost estimates. This final report will incorporate all of the findings presented and discussed in progress meetings and workshops. The final report will be designed to be used as the planning tool for the City.
 - ii. A draft version of the final report will be submitted to the City for their review and comment prior to publication of the final report.
 - iii. Final report will include reproducible maps of the study area and master plan maps (electronic copies). Final report shall be sealed by an engineer licensed in Kansas.
 - iv. Provide electronic pdf file of sealed final Master Plan and hard copies as requested.
 - v. Present final Master Plan to City staff and/or City Commission in one (1) onsite meeting.

E. Additional Responsibilities of CLIENT:

The CLIENT agrees to provide the following pursuant to PEC accomplishing the Scope of Services outlined herein.

- a) Provide documents and data as requested and available.
- b) Provide access to project sites as needed.
- c) Review submitted reports and documents in a timely manner.

F. Additional Services:

The following services can be provided by PEC at an additional cost by Supplemental Agreement:

- 1. Design or assistance with implementation of any improvements recommended improvements.
- 2. Field survey or geotechnical investigations.
- 3. Activities associated with water right acquisition including but not limited to contacting or negotiating with water right owners, easement preparation or acquisition, etc.
- 4. Communication with regulatory agencies on behalf of the City outside of what is noted in the scope.
- 5. Detailed water supply and treatment evaluation.

G. Exclusions:

The following shall be specifically excluded from the Scope of Services to be provided by PEC.

- a) Review of water quality or quantity and water treatment.
- b) Water quality sampling or testing.
- c) Design of any recommended improvements.

H. PEC's Fees:

- 1. PEC will invoice CLIENT one time per month for services rendered and reimbursable expenses incurred in the previous month. CLIENT agrees to pay each invoice within 30 days after receipt.
- 2. PEC's Fee for its Scope of Services will be on a lump sum basis in the amount of **\$43,500.**
- 3. Taxes are not included in PEC's Fees. CLIENT shall reimburse PEC for any sales, use, and value added taxes which apply to these services.

OLD BUSINESS
RECOMMENDED ACTION

B. APPROVAL OF AGREEMENT WITH PEC FOR WATER MASTER PLAN:

Should Council choose to proceed

RECOMMENDED ACTION

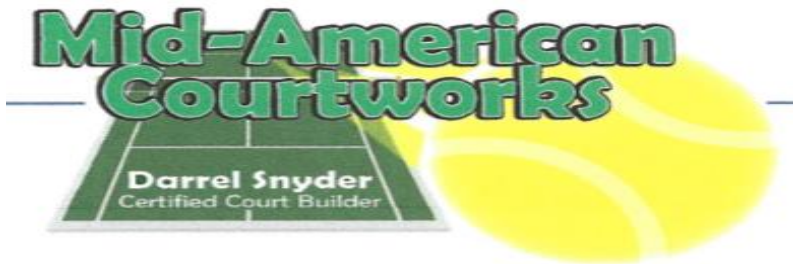
Staff recommends motion of approval of agreement with PEC for water master plan and water model analysis in an amount not to exceed \$43,500 and authorize Mayor to sign.

NEW BUSINESS

A. REQUEST TO REFURBISH BASKETBALL COURT IN LIONS PARK:

Blake Peniston, Director of the Valley Center Rec Commission will request Council approval to refurbish the basketball court at Lion's Park and turn it into two full-size pickleball courts. The Rec Commission would cover the cost of the resurfacing of the courts.

- Scope of project proposal from Mid-American Courtworks



Tenniscourtworks.com

MidAmericacts@cox.net

(316) 558-5920

This agreement is on 1-4-23 and between:

Contractor: Mid-American Courtworks

230 N Byron Rd, Wichita KS 67212

Darrel Snyder (Certified Court Builder with ASBA)

And: Owner: Valley Rec

Valley Center KS

Attention: Blake Peniston

PROJECT: CONVERT BASKETBALL COURT INTO TWO (2) PICKLEBALL COURTS BY REPAIRING AND RESURFACING (Add cost options: LED lighting & fencing)

SCOPE OF WORK: Contractor to provide materials and labor necessary to do the following:

1. Take down basketball goals.
2. Power-wash to clean the surface of courts and remove dirt and any loose surface materials.
3. Identify and fill any open cracks in the pickleball playing areas where cracks have opened or chipped. Fill water puddles deeper than a nickel. (*Note: No standing water deeper than a nickel if surface has positive slope and edges of slab drain properly. Crack repair is not guaranteed, as cracks may reopen soon due to weather and temperature changes.*)
4. Sand (buff off) filled low spots, filled cracks or other repairs to concrete surface.
5. After making the above court repairs, resurface courts with Acrytech or other color system as follows:
 - A. Apply one (1) coat of Acrylic Resurfacer mixed with fine sand. (*Visit: Tennispaint.com*)
 - B. Apply two (2) coats of Acrylic Color(s) mixed with silica sand. (Competition Blue and Competition Green)
6. Stripe courts per USPPA court specifications. (Prime between tape to minimize fuzzy edges.)
7. Install (2) two sets of pickleball posts and nets. (**Douglas Premier bolt down systems**).
8. Execute Add Option below if selected. (**Not included in base price.**)
 - A. Provide footings, poles and fixtures for LED lighting. (*Note: Installation not included*)
 - B. Install approx. 300ft of perimeter fencing. (4ft or 6ft height)

PLEASE SELECT FROM THE OPTIONS BELOW

	DESCRIPTION	COST	SELECT (X)
Base Price	Scope of work described above	\$18,800	
Add Option	Provide footings, poles & fixtures for LED lighting	\$17,800	
Add Option	Install Perimeter Fencing	\$13,500	
Total Price	Please add total price here>>>>>	>>>>>>	

GENERAL TERMS AND CONDITIONS

1. One (1) year limited warranty on materials and workmanship. All court repairs and surfacing will be applied according to industry standards. Surfacing materials to be applied when temperatures are 55 degrees or

COURT SURFACING • POST-TENSIONED CONCRETE • COURT ACCESSORIES • CONSULTING
"OUR GOAL IS TO EXCEED YOUR EXPECTATIONS"

higher for a minimum of 6 hours. There is no warranty on crack repair as cracks and joints will possibly reopen at any time. (Expansion and contraction of the concrete base.)

2. The payment schedule will be required as follows: **50% Down Payment with invoiced amount due upon completion of contracted work. Contract price includes sales tax.**

3. Work scheduled upon receipt of Signed Contract. Time of year and weather can affect schedule. Work may possibly extend into another season or calendar year if weather is not consistently warm enough or other job contracts take priority.

4. This proposal is good for 90 days from the origination date (1-4-23)

5. Potable water and electricity to be available for Contractors use free of charge.

6. Changes in work to be executed by a signed "change order" form. Agreed upon changes in work is an add or (deduct cost) depending.

SUPPLEMENTAL TERMS AND CONDITIONS

When patching cracks or resurfacing courts with patching, we guarantee the cracks will reappear, and they can reappear within 24 hours, depending upon temperature fluctuations. All work will be guaranteed for labor and materials for a period of one (1) year from the date of substantial completion except for cracking, peeling, bubbling, due to causes beyond contractor's control. Should the materials prove to be defective or the workmanship faulty, the problems will be remedied within a reasonable time from receipt of notice of the problem, determining factors to be weather and crew schedule.

All material is guaranteed to be specified. All work to be finished in a workmanlike manner according to standard practices. Any alteration or deviation from the specifications involving extra costs will be executed only upon written orders and will become an extra charge over and above the estimate. Owner shall establish suitable access to the construction site.

If this proposal is accepted, please sign, indicating which alternates (if any) are accepted and email it back to midamericacts@cox.net.

THIS PROPOSAL IS OFFERED BY CONTRACTOR	AND	ACCEPTED BY OWNER
Mid-American Courtworks		Valley Rec Attention: Blake Peniston
Signature:		Signature:
Date:		Date:

NEW BUSINESS
RECOMMENDED ACTION

A. REQUEST TO REFURBISH BASKETBALL COURT IN LIONS PARK:

Should Council choose to proceed

RECOMMENDED ACTION

City staff recommends approval of refurbishing the basketball court in Lions Park into two pickleball courts.

NEW BUSINESS

B. APPROVE TO SOLICIT REQUESTS FOR PROPOSALS (RFP) FOR PRAIRIE LAKES PHASE III:

Jake Vasa with SEH will request to solicit RFPs for infrastructure improvements for Phase III of the Prairie Lakes Development.

- Advertisement for bids
- Project Notes

DOCUMENT 00 11 13

ADVERTISEMENT FOR BIDS

**Prairie Lakes Improvements Phase III
Valley Center, Kansas
SEH No. IHDEV 163740**

Notice is hereby given that Sealed Bids will be received by the City of Valley Center, Kansas until 1:00 p.m., Tuesday February 14th, at the Valley Center City Hall, 121 South Meridian, Valley Center, KS 67147, at which time they will be publicly opened and read aloud, for the furnishing of all labor and material for the construction of Prairie Lakes Phase III Improvements.

The Project includes approximately 20,000 CY of excavation and compacted fill, 1,200 LF of Sanitary Sewer Main, 1,300 LF of Water Main, 3,300 SY of Pavement with Curb & Gutter, with associated Storm Sewer improvements, and erosion control, located at the intersection of Gatewood Street and Applewood Street, in Valley Center, Kansas.

The Bidding Documents may be obtained electronically from SEH, Jake Vasa, PE, 402.480.4096, jvasa@sehinc.com.

Emailed bids will be accepted. Please email to: jvasa@sehinc.com and KCarrithers@valleycenterks.org.

Bid security in the amount of 5 percent of the Bid must accompany each Bid in accordance with the Instructions to Bidders.

Bids shall be securely sealed and endorsed upon the outside wrapper, "BID FOR PRAIRIE LAKES PHASE III IMPROVEMENTS, VALLEY CENTER, KS."

The Owner reserves the right to reject any and all Bids, to waive irregularities and informalities therein and to award the Contract in the best interests of the Owner.

PRAIRIE LAKES ADDITION

VALLEY CENTER, KANSAS

PHASE III IMPROVEMENTS

EXISTING	
	RIGHT OF WAY
	PERMANENT EASEMENT
	PROPERTY LINE
	HORIZONTAL CONTROL POINT
	BENCHMARK
	SURVEY MARKER
	SOIL BORING
	SANITARY SEWER AND MANHOLE
	FORCE MAIN AND LIFT STATION
	SANITARY SEWER SERVICE & CLEANOUT
	WATER MAIN, HYDRANT, VALVE AND MANHOLE
	WATER SERVICE AND CURB STOP BOX
	STORM SEWER, MANHOLE AND CATCH BASIN
	CULVERT AND APRON ENDWALL
	GAS MAIN, VALVE, VENT AND METER
	HANDHOLE
	BURIED FIBER OPTIC CABLE AND MANHOLE
	BURIED PHONE CABLE, PEDESTAL AND MANHOLE
	BURIED TV CABLE, PEDESTAL AND MANHOLE
	BURIED ELECTRIC CABLE, PEDESTAL, MANHOLE, TRANSFORMER AND METER
	OVERHEAD WIRE, POLE AND GUY WIRE
	LIGHT POLE
	TRAFFIC SIGNAL
	STREET NAME SIGN
	SIGN (NON STREET NAME)
	RAILROAD TRACKS
	DECIDUOUS AND CONIFEROUS TREE
	BUSH / SHRUB AND STUMP
	EDGE OF WOODED AREA
	WETLAND
	BUILDING
	FENCE (UNIDENTIFIED)
	BARBED WIRE FENCE
	CHAIN LINK FENCE
	ELECTRIC WIRE FENCE
	WOOD FENCE
	WOVEN WIRE FENCE
	PLATE BEAM GUARDRAIL
	CABLE GUARDRAIL
	POST / BOLLARD
	RETAINING WALL
PROPOSED	
	STREET CENTERLINE
	RIGHT-OF-WAY
	PERMANENT EASEMENT
	TEMPORARY EASEMENT
	CONSTRUCTION LIMITS
	SANITARY SEWER, BULKHEAD AND MANHOLE
	FORCE MAIN
	SANITARY SERVICE AND CLEANOUT
	WATER MAIN, TEE, HYDRANT, BULKHEAD AND VALVE
	WATER VALVE MANHOLE, REDUCER, BEND AND CROSS
	WATER SERVICE AND CURB STOP BOX
	STORM SEWER, MANHOLE AND CATCH BASIN
	CULVERT AND APRON ENDWALL
	DRAIN TILE
	DITCH / SWALE
	RIPRAP
	STREET NAME SIGN
	SIGN (NON STREET NAME)
	RETAINING WALL



INDEX	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	GENERAL NOTES
3	CONTROL SHEET / ALIGNMENTS
4	TYPICAL SECTIONS/DETAILS
VALLEY CENTER STANDARD DETAILS	
C-501	TYPICAL PAVING SECTIONS
C-502	CONCRETE PAVEMENT & JOINTING DETAILS
C-503	CONCRETE VALLEY GUTTER DETAILS
C-504	REINFORCED CONCRETE DRIVE DETAILS
C-505	SIDEWALK DETAILS
C-506	BEDDING & BACKFILL DETAILS
C-507	STORM SEWER PRECAST CONCRETE MANHOLE
C-510	TYPE 1 CURB INLET DETAILS
C-514	SANITARY SEWER PRECAST MANHOLE DETAILS
C-515	SANITARY SEWER SERVICE CONNECTION DETAILS
C-516	WATERLINE DETAILS 1
C-517	WATERLINE DETAILS 2
17	SITE PREPARATION
18	GRADING PLAN
19	GRADING COMPARISON
20	EROSION CONTROL PLAN
21-22	EROSION CONTROL NOTES
23-24	SANITARY SEWER PLAN & PROFILE
25-27	WATER MAIN PLAN & PROFILE
28	STORM SEWER PLAN & PROFILE
29-31	PAVING PLAN & PROFILE
32	INTERSECTION DETAILS
33	FINAL PLAT
34-37	CROSS-SECTIONS

THIS PLAN CONTAINS 37 SHEETS.

PROJECT LOCATION



VALLEY CENTER, KANSAS



I CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY DIRECT SUPERVISION AND THAT I AM DULY LICENSED UNDER THE LAWS OF THE STATE OF KANSAS

PROJECT NO.
IHDEV 160827

1
of 37

NOTE:
THE SUBSURFACE UTILITY QUALITY INFORMATION IN THIS PLAN IS LEVEL D. THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF C/ASCE 38-02 ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

THE CONTRACTOR SHALL CALL THE KANSAS STATE ONE CALL SYSTEM AT 811 BEFORE COMMENCING EXCAVATION.



PROJECT NOTES

1.

CONTRACTOR WILL BE REQUIRED TO PROVIDE NOTICE TO UTILITY COMPANIES A MINIMUM OF SEVENTY-TWO (72) HOURS PRIOR TO ANY EXCAVATION. KANSAS ONE-CALL (316) 687-2470. CONTRACTOR EMERGENCY CONTACTS:

AT&T

1-800-246-8464

COX COMM

1-888-249-3530

EVERGY

1-800-544-4857

KANSAS GAS

1-888-482-4950
2.

ANY LANDSCAPING, ROCK, PAVERS OR OTHER MISCELLANEOUS ITEMS IN THE RIGHT OF WAY THAT WILL BE REMOVED WITH THIS PROJECT, MUST BE SALVAGED AND REPLACED IN A SIMILAR LOCATION AS PREVIOUS BY THE CONTRACTOR. THIS WORK SHALL BE CONSIDERED SUBSIDIARY.
3.

CONTRACTOR WILL BE RESPONSIBLE FOR REPLACING ANY IRRIGATION DISTURBED DURING CONSTRUCTION.
4.

TOPSOILING AND EARTH SHOULDERING WILL BE CONSIDERED SUBSIDIARY TO THE 'EMBANKMENT' PAY ITEM.
5.

CONTRACTOR SHALL PROVIDE ALL STAKING FOR THE PROJECT. CAD FILES OF ALL DESIGN INFORMATION SHALL BE MADE AVAILABLE TO THE CONTRACTOR FOR STAKING PURPOSES.
6.

ALL MATERIAL TESTING SHALL BE PAID FOR BY THE CITY, ALL RETESTS SHALL BE PAID FOR BY THE CONTRACTOR.
7.

THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY AND DETERMINE LOCATION AND ELEVATIONS OF THE EXISTING AND PROPOSED PAVEMENT, WHICH SHALL FOLLOW THE GENERAL DRAINAGE SHOWN ON THE GRADES AND ROADWAY PROFILES.
8.

ALL DIMENSIONS ARE TO EDGE OF PAVEMENT, OR BACK OF CURB, FOLLOW WRITTEN DIMENSIONS ALWAYS.
9.

THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY REGULATIONS. ALL CONSTRUCTION SHALL BE COMPLETED FOLLOWING CURRENT CITY STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

PAVING NOTES

1.

THE PROPOSED CONTOURS REPRESENT TOP OF SLAB, TOP OF CURB, OR TOP OF SIDEWALK IN PAVEMENT, IN ALL OTHER AREAS, THEY REPRESENT THE FINISHED GROUND SURFACE.
2.

THE EXISTING AND PROPOSED FINISHED GROUND SURFACES ARE AVAILABLE ELECTRONICALLY FOR CONTRACTOR VERIFICATION VIA E-MAIL (IN AUTOCAD 2007 FORMAT). THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING THE EXISTING GROUND SURFACE ELEVATIONS.
3.

ALL LINES SHOWN REPRESENTING PAVEMENT ARE TO BACK OF CURB OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
4.

CONTRACTOR WILL BE HELD RESPONSIBLE FOR SETTLEMENT DUE TO IMPROPER COMPACTION.
5.

THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL PROPERTY CORNERS.
6.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY GRADING WILL TAKE PLACE BEYOND THE RIGHT OF WAY LINE.
7.

ALL HERBACEOUS VEGETATION SHALL BE REMOVED FROM WITHIN THE LIMITS OF GRADING
8.

EXPANSION JOINTS SHALL BE BUILT AS SHOWN FOR PAVING. EXPANSION JOINTS FOR SIDEWALKS SHALL BE $\frac{1}{2}$ " EXPANSION MATERIAL PLACED EVERY 100 LINEAR FEET OF SIDEWALK.
9.

SIDEWALKS SHALL BE CONSTRUCTED WITH 4" OF CRUSHED CONCRETE OR ROCK OR OTHER BASE MATERIAL DEEMED SUFFICIENT BY THE ENGINEER, AND SHALL BE COMPACTED TO 95% STANDARD PROCTOR.
10.

INTERSECTIONS SHALL BE BUILT PER STANDARD DETAILS TO ALLOW FOR THROUGH DRAINAGE IN THE GUTTER LINE. INTERSECTION GRADES AND DRAINAGE SHALL BE DISCUSSED WITH THE ENGINEER PRIOR TO PLACEMENT OF CONCRETE.

SANITARY SEWER NOTES

1.

SANITARY SEWERS SHALL BE SEPARATED BY AT LEAST 10 FT. HORIZONTALLY FROM ANY EXISTING OR PROPOSED PARALLEL WATER MAINS, MEASURED EDGE TO EDGE.
2.

ALL SANITARY SEWER WILL BE DONE UNDER A PLUMBERS PERMIT, AND SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES.
3.

PRIOR TO FINAL ACCEPTANCE ALL SEWER MAIN SHALL BE AIR TESTED BY THE CONTRACTOR IN ACCORDANCE WITH CITY OF VALLEY CENTER SPECIFICATIONS.
4.

PRIOR TO FINAL ACCEPTANCE, THE CONTRACTOR SHALL HAVE THE SEWER MAIN TV INSPECTED AND THE COST OF SUCH WORK SHALL BE SUBSIDIARY TO THE PRICE BID FOR SEWER WITH INSTALLATION.
5.

PRIOR TO FINAL ACCEPTANCE, VACUUM TESTING SHALL BE PERFORMED ON ALL MANHOLES TO CONFORM TO THE REQUIREMENTS OF STANDARD TEST METHOD FOR CONCRETE MANHOLES BY THE "NEGATIVE AIR PRESSURE (VACUUM) TEST" ASTM DESIGNATION C-1244.
6.

SANITARY SEWER PIPE SHALL BE PVC SDR 35FOR 8". PIPE BEDDING SHALL MEET LOCAL STANDARD PLANS.
7.

SANITARY SEWER MANHOLES SHALL BE 48" I.D. AND MEET VALLEY CENTER STANDARD DETAILS & SPECIFICATIONS, UNLESS OTHERWISE NOTED ON THE PLANS.

WATER MAIN NOTES

1.

THE WATER DISTRIBUTION DIVISION SHALL FIELD LOCATE WATER VALVES ONE TIME DURING CONSTRUCTION WHEN REQUESTED BY THE CONTRACTOR. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PRESERVE SUCH FIELD LOCATIONS DURING THE CONSTRUCTION PROCESS. WATER VALVES, VALVE BOXES OR FIRE HYDRANTS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY CONTRACTOR AT HIS OWN EXPENSE. VALVE BOXES AND WATER METERS WITHIN THE PROJECT LIMITS SHALL BE ADJUSTED TO MATCH FINAL GRADES BY THE CONTRACTOR.
2.

OPENING AND CLOSING OF WATER VALVES SHALL BE DONE SLOWLY TO PREVENT DAMAGE TO THE WATER DISTRIBUTIONS SYSTEM FROM WATER HAMMER. ALL VALVES CLOSED BY THE CONTRACTOR MUST BE REOPENED AS NEW CONSTRUCTION PERMITS. THE PROJECT INSPECTOR MUST ASCERTAIN THAT ANY VALVE CLOSED BY THE CONTRACTOR IS REOPENED. THE CONTRACTOR WILL BE PERMITTED TO OPERATE WATER VALVES ONLY WHEN THE PROJECT INSPECTOR ASSIGNED TO THE PROJECT IS PRESENT.
3.

THE CONTRACTOR SHALL PROVIDE MATERIALS FOR TEMPORARY BLOWOFF OF WATERLINES. CONNECTIONS TO THE EXISTING WATERLINE(S) SHALL BE MADE WITH CLEAN, SWABBED PIPE AND FLUSHED UPON COMPLETION OF TIE-INS.
4.

REQUESTS FOR SHORT TERM WATER INTERRUPTIONS SHALL BE MADE TO THE CITY WATER DISTRIBUTION DIVISION AND WILL BE SUBJECT TO THEIR APPROVAL. THE CONTRACTOR SHALL GIVE WRITTEN NOTICE TO ANY PROPERTY OWNER, BUSINESS, AND/OR TENANTS THAT WILL HAVE WATER SERVICE INTERRUPTED AT LEAST 5 DAYS IN ADVANCE. SUCH NOTIFICATIONS SHOULD INDICATE THE TIME AND DATE THAT THE WATER WILL BE TURNED OFF AND WHEN THE SERVICE WILL BE RESTORED. NO BUSINESS, PROPERTY OWNER, AND/OR TENANTS SHALL BE WITHOUT WATER SERVICE FOR MORE THAN 8 HOURS. PROPOSED TIE IN LOCATIONS WHICH WILL AFFECT WATER SERVICE TO PROPERTY OWNERS SHALL BE PREFORMED DURING NON-PEAK HOURS.
5.

THE CONTRACTOR MUST SCHEDULE THE CONNECTIONS TO THE EXISTING MAIN WITH THE CITY SUCH THAT THERE IS A MINIMUM DISRUPTION OF SERVICE. CONNECTIONS SHALL BE MADE DURING PERIODS OF LOW WATER USAGE. THE CONTRACTOR SHALL SUBMIT HIS PROPOSED SCHEDULE FOR COMPLETING WORK FOR CITY APPROVAL AT LEAST 10 DAYS PRIOR TO BEGINNING CONSTRUCTION.
6.

DEFLECTIONS AT PIPE JOINT OR COUPLINGS SHALL NOT EXCEED THE PIPE MANUFACTURES RECOMMENDED MAXIMUM. WHERE DEFLECTIONS ARE GREATER THAN THE MAXIMUM ALLOWED, THE CONTRACTOR SHALL UTILIZE FITTINGS.
7.

ANY EXISTING JOINT EXPOSED DURING EXCAVATION SHALL BE REPLACED IF WITHIN FOUR FEET OF PROPOSED WATER MAIN JOINT.
8.

VALVES 12 INCH AND LARGER ARE TO BE OPERATED BY THE VALLEY CENTER WATER DISTRIBUTION DIVISION, 48 HOURS OF ADVANCE NOTICE IS REQUIRED WITH THE WATER DISPATCH AT 1-316-755-7320.
9.

THE CONTRACTOR SHALL PROTECT FROM DAMAGE AND SUPPORT EXISTING UTILITIES THROUGH CONSTRUCTION AS APPROVED BY THE UTILITY OWNER AND THE ENGINEER AT THE CONTRACTORS EXPENSE.
10.

CONTRACTOR SHALL LIMIT THE EXTENT OF TRENCH OPENINGS OVERNIGHT AND WEEKENDS TO LESS THAN 50 FEET.
11.

MAINTAIN A MINIMUM OF 10-FOOT HORIZONTAL SEPARATION BETWEEN ALL WATER LINES (MAINS, SERVICES, AND FIRE HYDRANTS) AND ALL SANITARY SEWER LINES (MAIN, SERVICES, AND MANHOLES). ALL SEPARATION DISTANCES ARE TO BE MEASURED FROM EDGE-TO-EDGE, AT THE CLOSEST POINT.
12.

MAINTAIN A MINIMUM OF 2-FOOT VERTICAL SEPARATION BETWEEN ALL WATER LINES (MAIN AND SERVICES) AND ALL GRAVITY SANITARY SEWER LINES (MAINS, SERVICES, AND MANHOLES) AT CROSSINGS. ALL SEPARATION DISTANCES ARE TO BE MEASURED FROM EDGE-TO-EDGE, AT THE CLOSEST POINT.
13.

MAINTAIN A MINIMUM OF 2-FOOT VERTICAL SEPARATION BETWEEN ALL WATER LINES (MAINS AND SERVICES) AND ALL PRESSURIZED SANITARY SEWER LINES (FORCE MAINS AND SERVICES) AT CROSSINGS. WATERLINES MUST ALWAYS BE PLACED ABOVE PRESSURIZED SANITARY SEWER LINES WHERE THEY CROSS. ALL SEPARATION DISTANCES ARE TO BE MEASURED FROM EDGE-TO-EDGE, AT THE CLOSEST POINT.
14.

FOR DETAILS OF TYPICAL HYDRANT INSTALLATIONS, SEE CITY OF VALLEY CENTER STANDARD PLANS.
15.

PRIOR TO FINAL ACCEPTANCE ALL WATER MAIN PIPE SHALL BE PRESSURE TESTED BY THE CONTRACTOR IN ACCORDANCE WITH THE CITY OF VALLEY CENTER SPECIFICATIONS.
16.

PRIOR TO FINAL ACCEPTANCE ALL WATER MAIN PIPE SHALL BE DISINFECTED BY THE CONTRACTOR IN ACCORDANCE WITH THE CITY OF VALLEY CENTER SPECIFICATIONS.
17.

ALL WATER MAIN CONSTRUCTION TO BE DONE UNDER A PLUMBERS PERMIT AND SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES.
18.

CONTRACTOR SHALL METER ALL FLUSHING OPERATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WATER COSTS OF FLUSHING OPERATIONS.

GRADING NOTES

1.

THE PROPOSED CONTOURS REPRESENT TOP OF SLAB, TOP OF CURB, OR TOP OF SIDEWALK IN PAVEMENT, IN ALL OTHER AREAS, THEY REPRESENT THE FINISHED GROUND SURFACE.
2.

IN ALL AREAS OF EXCAVATION FOR SLABS OR FOOTINGS, IF UNSUITABLE SOIL CONDITIONS ARE ENCOUNTERED, A QUALIFIED GEOTECHNICAL ENGINEER SHALL RECOMMEND THE METHODS OF UNDERCUTTING AND REPLACEMENT OF PROPERLY COMPACTED, APPROVED FILL MATERIAL. ALL PROOFROLLING AND UNDERCUTTING SHOULD BE PERFORMED DURING A PERIOD OF DRY WEATHER.
3.

THE EXISTING AND PROPOSED FINISHED GROUND SURFACES ARE AVAILABLE ELECTRONICALLY FOR CONTRACTOR VERIFICATION VIA E-MAIL (IN AUTOCAD 2007 FORMAT). THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING THE EXISTING GROUND SURFACE ELEVATIONS.
4.

ALL LINES SHOWN REPRESENTING PAVEMENT ARE TO BACK OF CURB OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
5.

CONTRACTOR WILL BE HELD RESPONSIBLE FOR SETTLEMENT DUE TO IMPROPER COMPACTION.
6.

THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL PROPERTY CORNERS. CONTRACTOR SHALL BE RESPONSIBLE TO RESET ALL CORNERS DISTURBED.
7.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY GRADING WILL TAKE PLACE BEYOND THE RIGHT OF WAY LINE.
8.

ALL HERBACEOUS VEGETATION SHALL BE REMOVED FROM WITHIN THE LIMITS OF GRADING PRIOR TO PLACEMENT OF FILL MATERIAL AND REDISTRIBUTED WITH THE TOPSOIL. A STRIPPING DEPTH OF 6" IS ANTICIPATED ON THIS SITE.
9.

SUFFICIENT TOPSOIL SHOULD BE SALVAGED AND STOCKPILED BY THE CONTRACTOR FOR RE-SPREADING IN PERMANENT PLANTING AREAS, INCLUDING PARKING LOT ISLANDS AND GREEN SPACES. STOCKPILING AND RE-SPREADING OF TOPSOIL IS NOT A SEPARATE BID ITEM, BUT SHALL BE CONSIDERED SUBSIDIARY TO THE SITE GRADING.
10.

TOPSOIL SALVAGED AS PART OF THE EXCAVATION SHALL BE PLACED TO A MINIMUM DEPTH OF 6 INCHES OVER ALL AREAS DISTURBED BY THE WORK. LARGE STONES, STICKS AND LUMPS SHALL BE REMOVED OR BROKEN UP, AND THE TOPSOIL SHALL BE LEVELED AND RAKED TO MATCH ADJACENT GRADES, READY FOR SEEDING. ANY ROCK OR SAND FROM PAVING ACTIVITIES SHALL BE REMOVED PRIOR TO PLACEMENT OF TOPSOIL. ALL EXCESS SOILS, NOT RE-SPREAD WITHIN THE PROJECT LIMITS, SHALL BE REMOVED BY THE CONTRACTOR.
11.

THE CONTRACTOR SHALL FINISH GRADE SLOPES AS SHOWN NO STEEPER THAN ONE FOOT VERTICAL IN 3 FEET HORIZONTAL.
12.

CONTRACTOR SHALL GRADE ALL LOW SPOTS TO DRAIN, AND SHALL FOLLOW THE DRAINAGE ARROWS SHOWN ON THE PLANS. THE FINAL GRADED SITE SHALL NOT HOLD WATER IN ANY AREAS, ANY AREAS THAT HOLD WATER SHALL BE CORRECTED BY THE CONTRACTOR EITHER DURING CONSTRUCTION OR WITHIN THE CORRECTION PERIOD OF THE CONTRACT.
13.

THE CONTRACTOR SHALL COORDINATE WITH THE OWNER AND THE ENGINEER METHODS TO VERIFY POSITIVE DRAINAGE.
14.

CONTRACTOR SHALL GRADE TO CONTOURS SHOWN IN GREENSPACES.
15.

AT THE COMPLETION OF GRADING, THE CONTRACTOR SHALL REMOVE ANY EXCESS EXCAVATION FROM THE SITE TO THE PROPERTY DIRECTLY ADJACENT TO THE NORTH AND STOCKPILED ON THE SOUTHERN MOST EDGE OF THAT PROPERTY.
16.

THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSPECTIONS PRIOR TO COMMENCING CONSTRUCTION.
17.

CONTRACTOR IS RESPONSIBLE FOR ALL TRAFFIC CONTROL AND SAFETY MEASURES, IF NECESSARY.
18.

ANY GEOTECHNICAL/TESTING REPORTS SOLICITED BY THE CONTRACTOR SHALL BE SUBMITTED TO THE OWNER AND THE ENGINEER.

REMOVAL NOTES

1.

ALL MATERIAL REMOVED SHALL BE RETAINED BY THE CITY OF VALLEY CENTER, AND HAULED BY THE CONTRACTOR TO THE CITY YARD.
2.

ALL EXISTING SIGNS TO BE REMOVED AND SALVAGED TO THE CITY BY THE CONTRACTOR.
3.

ANY EXISTING PAVEMENT OR MATERIAL THAT IS NOT TO BE REMOVED, BUT IS DAMAGED BY THE CONTRACTOR, SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE CITY ENGINEER.
4.

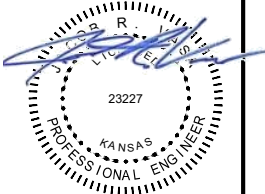
CONTRACTOR MUST GIVE 48 HOURS NOTICE PRIOR TO REMOVALS TO THE CITY ENGINEER.
5.

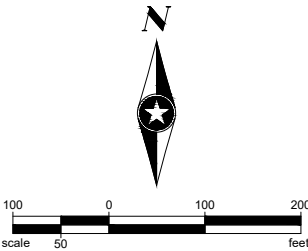
REMOVAL LIMITS SHALL BE MARKED BY THE ENGINEER PRIOR TO REMOVAL WORK.

GENERAL NOTES

Save: 1/22/2022 8:35 AM | vasa Plot: 1/24/2022 4:32 PM X:\F\U\U\HDEV\160827\5-final-dsp\51-drawings\10-Civil\cad\dwg\sheet\LUSKE_CN.dwg

SEH Project	SARTE145169	Rev.#	Revision Issue Description	Date	Rev.#	Revision Issue Description	Date	PRAIRIE LAKES ADDITION PHASE III			GENERAL NOTES		2
Drawn By	--	.			.			VALLEY CENTER, KANSAS			SHEET DESCRIPTION 2		of 37
Designed By	--	.			.								
Checked By	--	.			.								





ALIGNMENT TABULATION - ALIGNMENT - GATEWOOD															
POINT ID	POINT	STATION	DELTA	RADIUS	TANGENT	LENGTH	NORTHING	EASTING	BEARING	START STATION	END STATION	START NORTHING	START EASTING	END NORTHING	END EASTING
L1		0+00.00				450.56	1737648.8429	1641389.4382	N 01° 32' 28" W	0+00.00	4+50.56	1737648.8429	1641389.4382	1738099.2446	1641377.3213
C1		4+50.56	045° 00' 00"	140.00	57.99	109.96	1738099.2446	1641377.3213		4+50.56	5+60.52	1738099.2446	1641377.3213	1738199.3064	1641415.6493
L2		5+60.52				189.36	1738199.3064	1641415.6493	N 43° 27' 32" E	5+60.52	7+49.88	1738199.3064	1641415.6493	1738336.7589	1641545.8998
C2		7+49.88	043° 00' 30"	140.00	55.16	105.09	1738336.7589	1641545.8998		7+49.88	8+54.97	1738336.7589	1641545.8998	1738431.9548	1641584.2741
L3		8+54.97				121.97	1738431.9548	1641584.2741	N 00° 27' 02" E	8+54.97	9+76.94	1738431.9548	1641584.2741	1738553.9189	1641585.2332

ALIGNMENT TABULATION - ALIGNMENT - MIDWAY STREET															
POINT ID	POINT	STATION	DELTA	RADIUS	TANGENT	LENGTH	NORTHING	EASTING	BEARING	START STATION	END STATION	START NORTHING	START EASTING	END NORTHING	END EASTING
L4		0+00.00				152.52	1738554.2375	1641544.7167	S 89° 32' 58" E	0+00.00	1+52.52	1738554.2375	1641544.7167	1738553.0381	1641697.2298
C3		1+52.52	016° 15' 37"	500.00	71.43	141.90	1738553.0381	1641697.2298		1+52.52	2+94.41	1738553.0381	1641697.2298	1738531.9378	1641837.0682
C4		2+94.41	039° 20' 03"	250.00	89.35	171.63	1738531.9378	1641837.0682		2+94.41	4+66.04	1738531.9378	1641837.0682	1738540.6166	1642005.1212
C5		4+66.04	040° 53' 49"	250.00	93.22	178.45	1738540.6166	1642005.1212		4+66.04	6+44.49	1738540.6166	1642005.1212	1738547.2457	1642179.6778
C6		6+44.49	032° 09' 03"	250.00	72.04	140.28	1738547.2457	1642179.6778		6+44.49	7+84.77	1738547.2457	1642179.6778	1738541.9352	1642318.0269
C7		7+84.77	103° 44' 05"	200.00	254.77	362.10	1738541.9352	1642318.0269		7+84.77	11+46.88	1738541.9352	1642318.0269	1738348.2697	1642565.9946
L5		11+46.88				437.23	1738348.2697	1642565.9946	S 00° 08' 33" E	11+46.88	15+84.11	1738348.2697	1642565.9946	1737911.0408	1642567.0810

BENCHMARKS

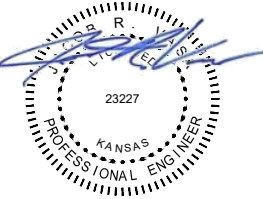
VERTICAL DATUM (NAVD88):
ELEVATION BASED UPON GPS OBSERVATION SUBMITTED TO NATIONAL GEODETIC SURVEY & PROCESSED THROUGH OPUS SOFTWARE.

SITE BENCHMARK 1:
SHOT THE "O" IN OPEN ON THE FIRE HYDRANT IN THE SOUTHWEST QUADRANT OF EASTRIDGE STREET AND APPLETON STREET. ELEV 1347.93 (NAVD88)

SITE BENCHMARK 2:
SHOT BRASS DISC ON TOP OF CURB IN THE SOUTHWEST QUADRANT OF GATEWOOD STREET AND NORTHRIDGE STREET. ELEV 1346.98 (NAVD88)

SITE BENCHMARK 3:
CHISELED SQUARE CUT ON DRAINAGE HEADWALL APPROXIMATELY 3.4 FEET NORTH AND 296.2 FEET WEST FROM THE NORTHWEST CORNER OF LOT 43, BLOCK A, PRAIRIE LAKES AN ADDITION TO VALLEY CENTER, SEDGWICK COUNTY, KANSAS. ELEV 1347.42 (NAVD88)

SITE BENCHMARK 4:
BRASS DISC IN SOUTHEAST SIDE OF BRIDGE ABUTMENT EAST OF SENECA STREET BRIDGE OVER THE VALLEY CENTER FLOODWAY. ELEV 1353.13 (NAVD88)



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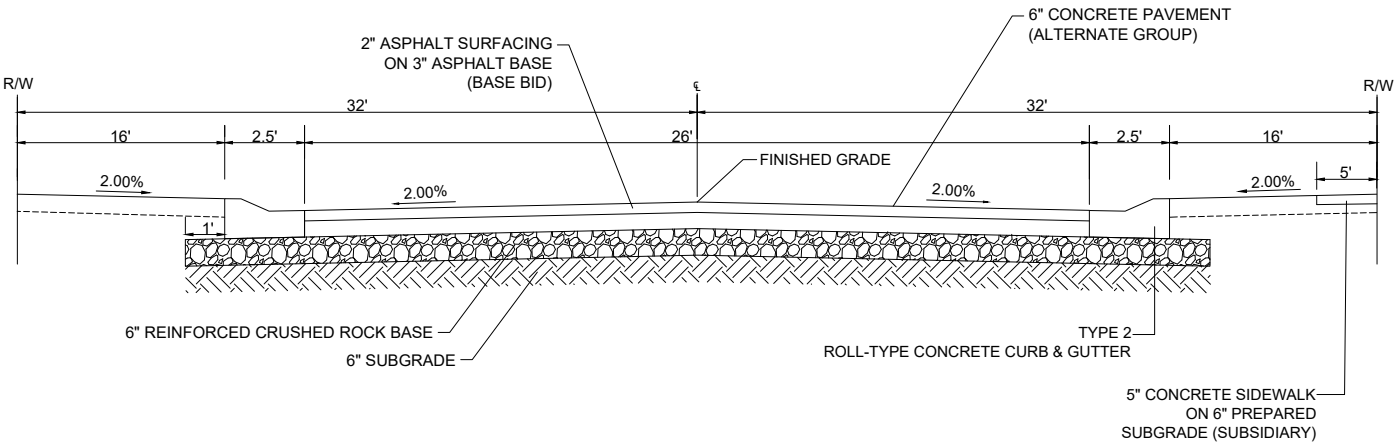
SEH Project	SARTE145169	Rev.#	Revision Issue Description	Date	Rev.#	Revision Issue Description	Date
Drawn By	--	.			.		
Designed By	--	.			.		
Checked By	--	.			.		



PRAIRIE LAKES ADDITION PHASE III
VALLEY CENTER, KANSAS

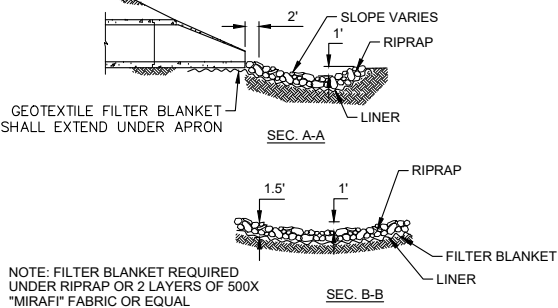
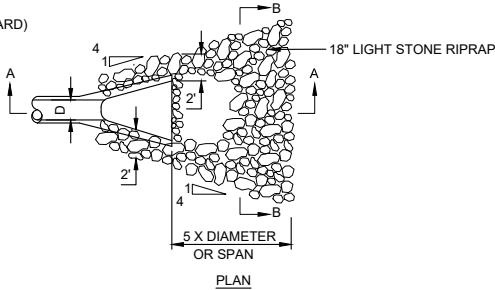
CONTROL POINTS / ALIGNMENT
PHASE III IMPROVEMENTS

- TYPICAL SECTION NOTES:**
- 1. MAX. LONGITUDINAL JOINT SPACING SHALL BE 13'
 - 2. MAX. TRANSVERSE JOINT SPACING SHALL BE 12'
 - 3. EXPANSION JOINTS SHALL BE PLACED EVERY 600' MAX. OR AS SHOWN ON THE PLANS FOR CONCRETE PAVING, AND CONCRETE CURB & GUTTER.
 - 4. ALL CRUSHED ROCK BASE SHALL BE REINFORCED WITH GEOGRID
 - 5. EXPANSION JOINT SHALL BE PLACED WHERE SHOWN ON THE PLANS.
 - 6. ALL SIDEWALKS SHALL BE PLACED ON 6" OF COMPACTED SUBGRADE, COMPACTION SHALL BE 95% STD. PROCTOR (ASTM D698), THIS SHALL BE CONSIDERED SUBSIDIARY TO SIDEWALK BID ITEMS
 - 7. ALL SUBGRADE SHALL BE 6" OF SCARIFIED AND MOISTURE CONDITIONED SOIL COMPACTED TO 95% STD. PROCTOR (ASTM D698), THIS SHALL BE CONSIDERED SUBSIDIARY TO PAVEMENT BID ITEMS
 - 8. SEE INTERSECTION DETAILS SHEETS FOR SPECIFIC GRADES

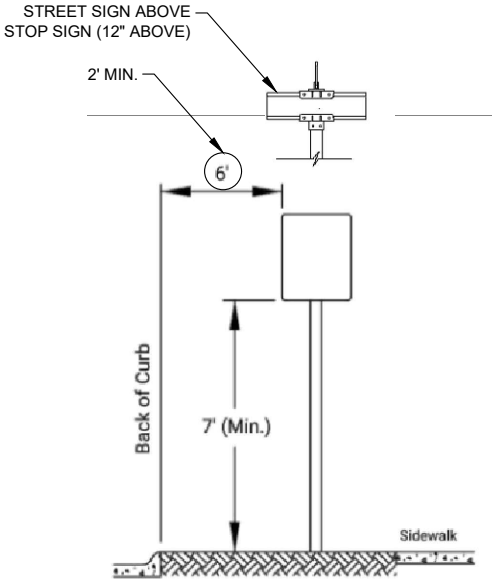


TYPICAL RESIDENTIAL STREET SECTION

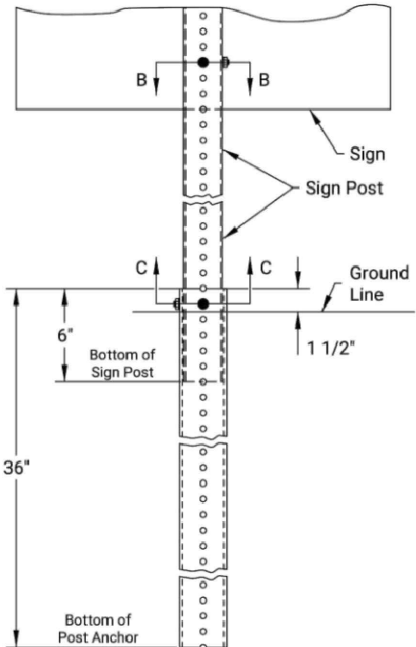
RIPRAP REQUIREMENTS
12" TO 24" 4 CUBIC YARDS
27" TO 33" 8 CUBIC YARDS
36" TO 48" 12 CUBIC YARDS
(APPROX. 1.4 TONS PER CUBIC YARD)



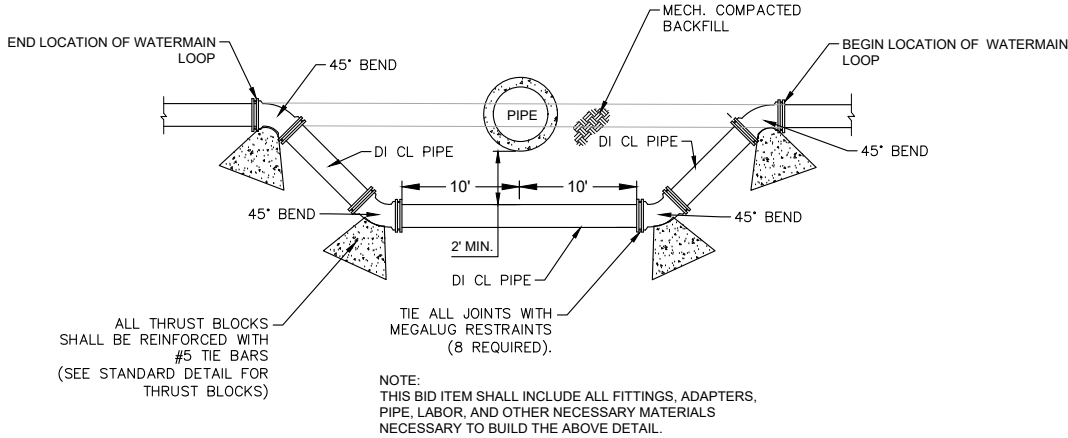
RIPRAP AT OUTLETS



TYPICAL SIGN PLACEMENT



SECTION C-C
2 1/2" PSST SIGN POST
TYPICAL SIGN SQUARE POST

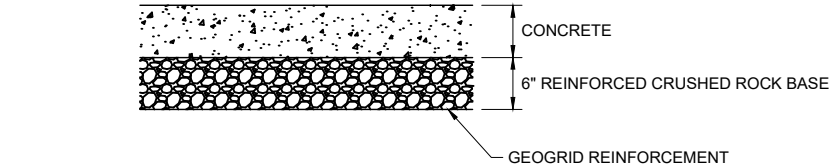
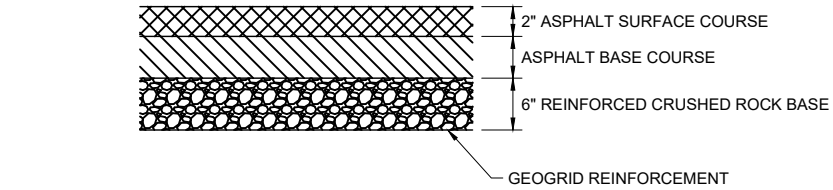
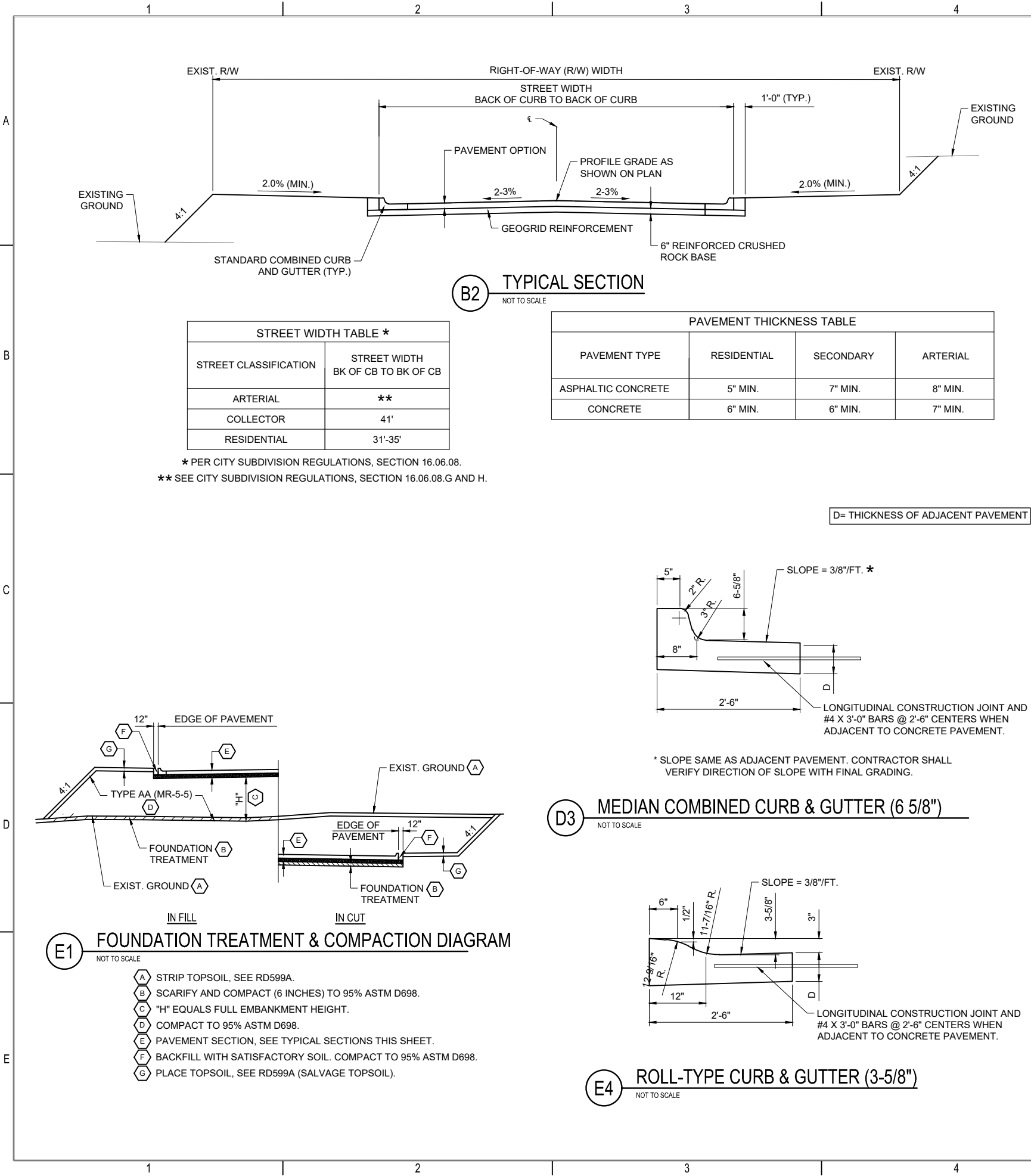


WATER MAIN ADJUSTMENT

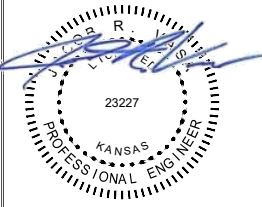
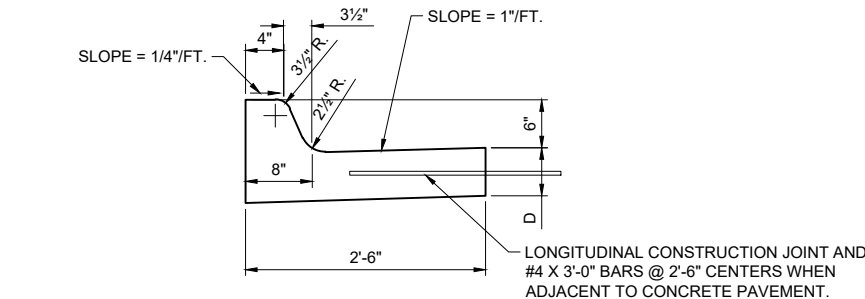
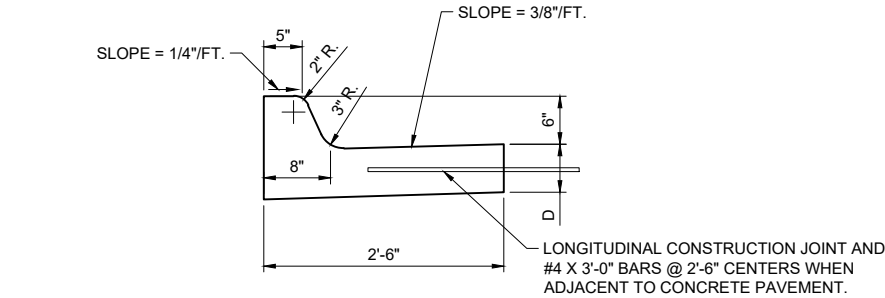
TYPICAL SECTION/DETAILS

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NOTES:
THICKNESS WILL VARY DEPENDING ON THE INTENDED USE. SEE TABLE BELOW FOR MINIMUM PAVEMENT THICKNESS.



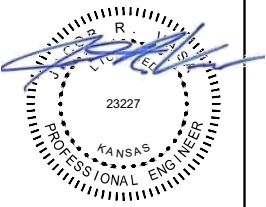
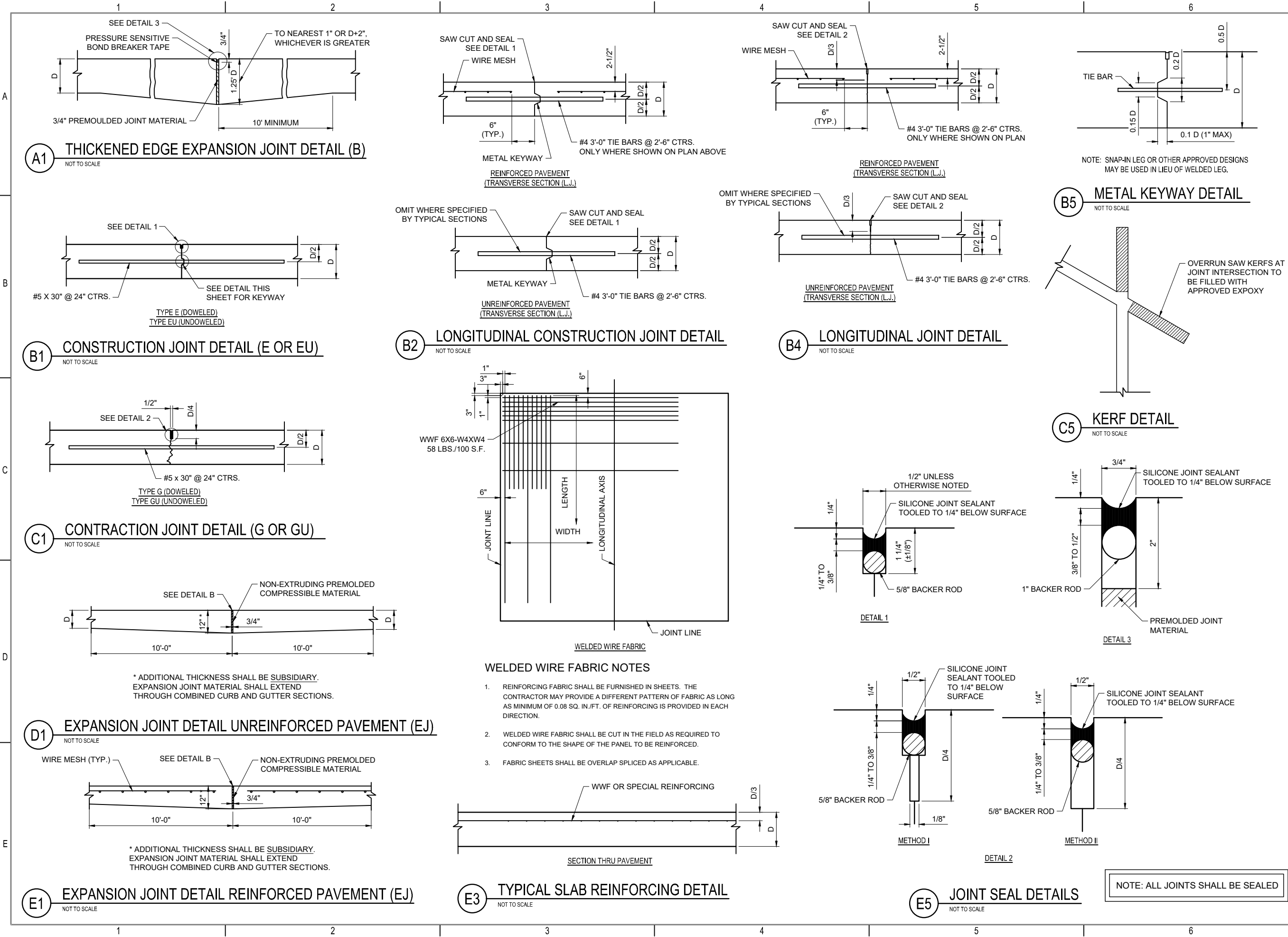
VALLEY CENTER
STANDARD DETAILS
VALLEY CENTER, KS

Issue:		
1	ISSUED FOR CONSTRUCTION	03/10/21
JOB NO.	217013-001	
DATE	10 MARCH 2021	
PM	JAG	
DESIGNED BY	JAG	
DRAWN BY	DSB	
CHECKED BY	MEB	

TYPICAL PAVING SECTIONS

C-501

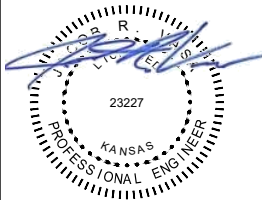
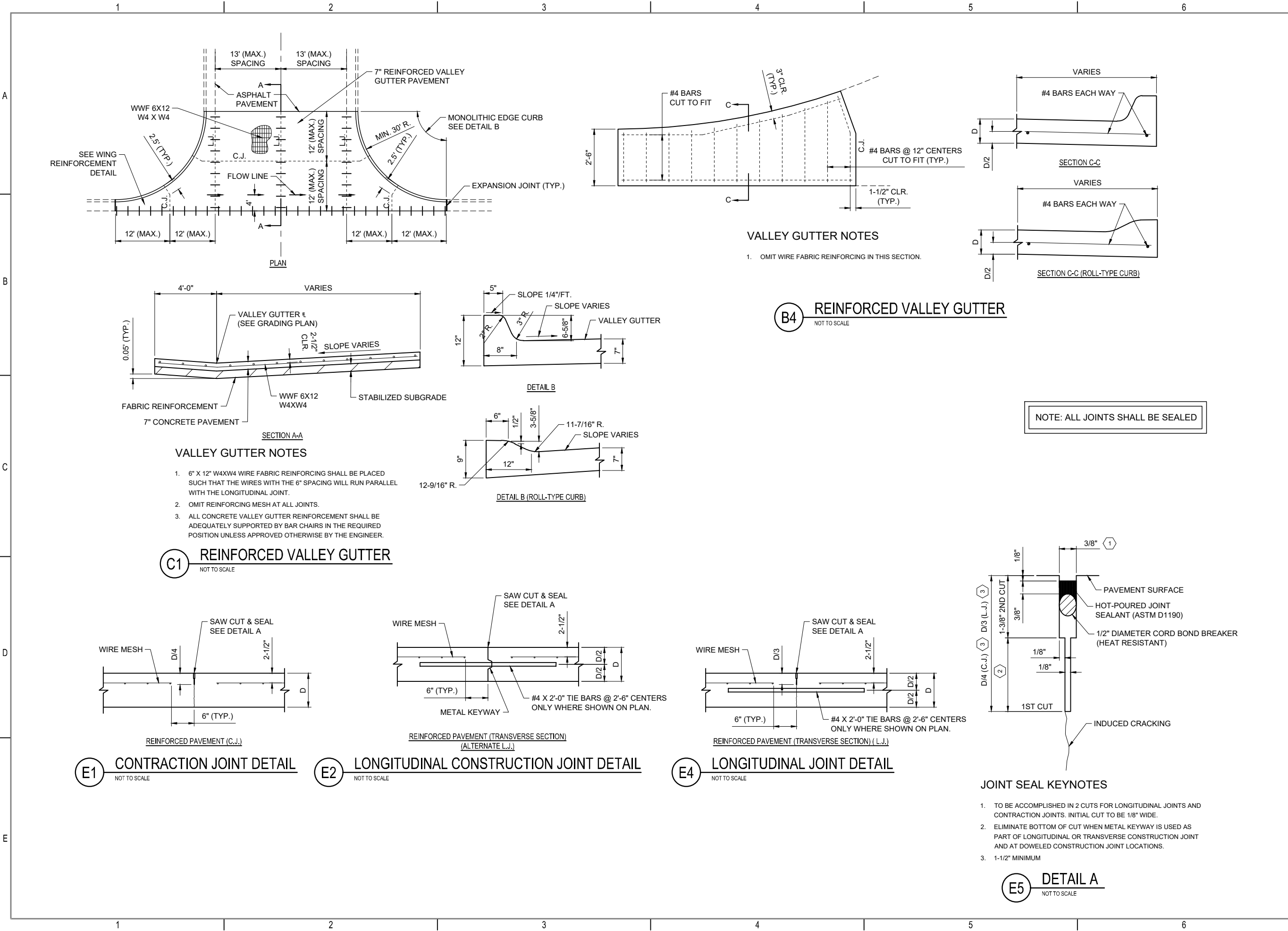
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AND JOINTING DETAILS.DWG



VALLEY CENTER
STANDARD DETAILS
VALLEY CENTER, KS

Issue:		
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JOB NO.	217013-001	
DATE	10 MARCH 2021	
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DESIGNED BY	JAG	
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CHECKED BY	MEB	
CONCRETE PAVEMENT AND JOINTING DETAILS		
C-502		

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DETAILS.DWG



VALLEY CENTER
STANDARD DETAILS
VALLEY CENTER, KS

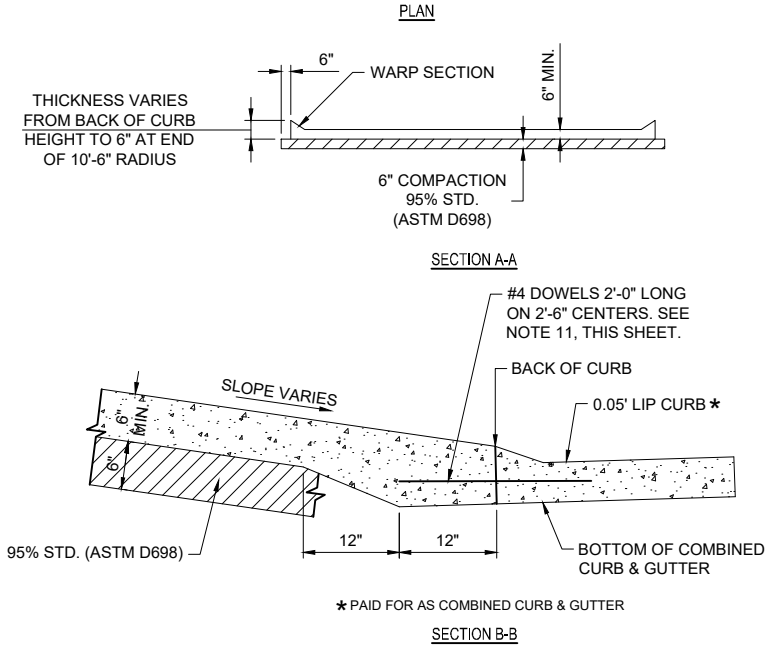
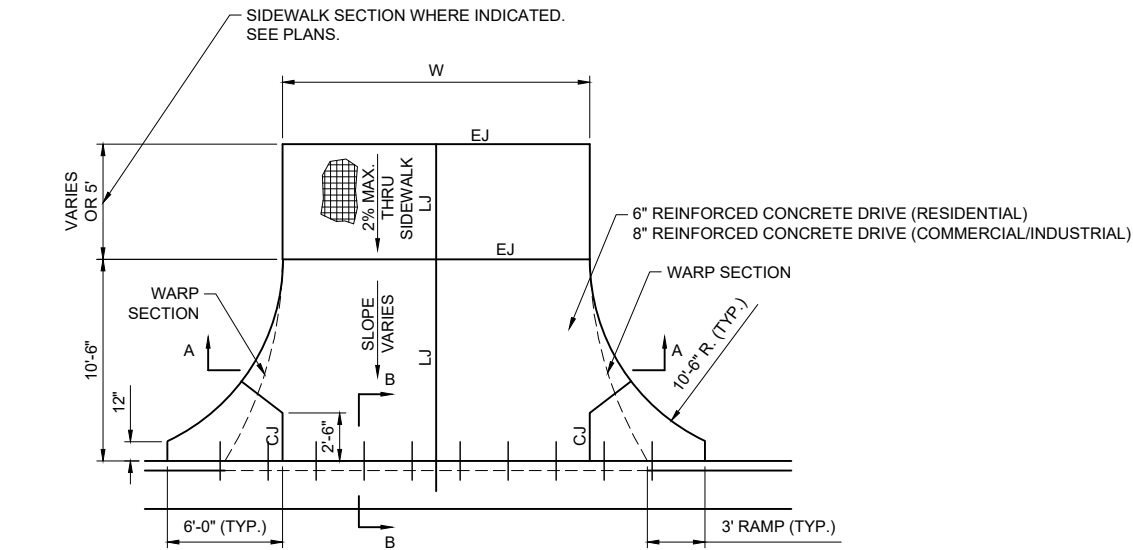
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1	ISSUED FOR CONSTRUCTION	03/10/21

JOB NO.	217013-001
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DRAWN BY	DSB
CHECKED BY	MEB

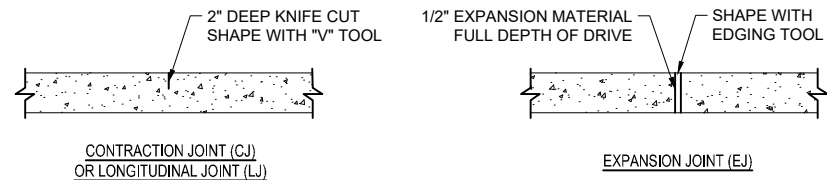
CONCRETE VALLEY GUTTER
DETAILS

C-503

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DRIVE DETAILS.DWG



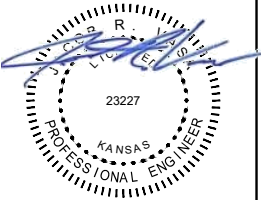
D3 CONCRETE DRIVE DETAILS
NOT TO SCALE



E3 JOINT DETAILS FOR CONCRETE DRIVES
NOT TO SCALE

REINFORCED CONCRETE DRIVE NOTES

1. CONCRETE DRIVE ENTRANCE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF VALLEY CENTER STANDARD SPECIFICATIONS, SECTION 32 13 13 "CONCRETE PAVING."
2. THE CONTRACTOR SHALL PROVIDE A FULL DEPTH SAW CUT AT THE LIMITS OF CONSTRUCTION. SAW CUTS AT THE FLOWLINE OF EXISTING CURB AND GUTTER WILL NOT BE ALLOWED.
3. ONE LONGITUDINAL JOINT SHALL BE CONSTRUCTED ALONG THE CENTERLINE OF DRIVES HAVING A "W" DIMENSION OF 20' OR LESS. TWO LONGITUDINAL JOINTS SHALL BE CONSTRUCTED WITH EQUAL SPACINGS OF 10' OR LESS FOR DRIVES WITH A "W" DIMENSION GREATER THAN 20'.
4. JOINT SPACING SHALL BE ADJUSTED TO ALIGN WITH OUTER EDGE OF SIDEWALK WHERE SIDEWALK ABUTS DRIVE CONSTRUCTION.
5. ADDITIONAL THICKNESS OF DRIVE PAVEMENT AS INDICATED IN SECTION B-B SHALL NOT BE PAID FOR DIRECTLY, BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR DRIVEWAY PAVEMENT.
6. EXPANSION JOINTS ONE-HALF-INCH WIDE SHALL BE INSTALLED WHEN CONCRETE DRIVE ABUTS AN EXISTING CONCRETE DRIVE.
7. FOR BIDDING PURPOSES, ALL RESIDENTIAL DRIVEWAYS SHALL BE 6" IN THICKNESS AND SHALL BE REINFORCED. ALL COMMERCIAL/INDUSTRIAL DRIVEWAYS SHALL BE 8" IN THICKNESS AND SHALL BE REINFORCED. REINFORCEMENT SHALL BE 6" x 6" W2.9-W2.9 WELDED WIRE FABRIC. ALL REINFORCEMENT SHALL BE ADEQUATELY SUPPORTED BY BAR CHAIRS IN THE REQUIRED POSITION UNLESS APPROVED OTHERWISE BY THE ENGINEER.
8. DRIVE APPROACHES SHALL BE CONSTRUCTED TO THE STREET RIGHT-OF-WAY LINE OR AT THE LIMITS SHOWN ON THE PLANS AT A GRADE WHICH WILL ALLOW SMOOTH HOOKUP TO THE EXISTING DRIVEWAY. AT THE WRITTEN REQUEST OF THE PROPERTY OWNER, FURTHER GRADING, PAVEMENT REMOVAL, PAVING, ETC. ON PRIVATE PROPERTY MAY BE PERFORMED TO CONNECT TO EXISTING PAVEMENT, TO PROVIDE A FLATTER DRIVEWAY GRADE, OR TO OTHERWISE IMPROVE THE DRIVE. ALL ADDITIONAL COSTS FOR SUCH WORK SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER AND SHALL NOT BE A PART OF THIS PROJECT.
9. DRIVEWAY WIDTH DENOTED AS "W" ON THE DETAIL DRAWINGS SHALL BE A MINIMUM OF 12' (FEET) AND A MAXIMUM OF 50% OF PLATTED LOT WIDTH, UNLESS THE LOT IS ZONED AS MULTI-FAMILY.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR ADA COMPLIANCE FOR SIDEWALK SECTIONS THROUGH DRIVES. ANY SECTION FOUND TO BE NON-COMPLIANT AFTER CONSTRUCTION SHALL BE REMOVED AND REPLACED WITHIN ADA ALLOWANCES BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
11. SUBSTITUTE DOWELS WITH EXPANSION JOINT WHERE CONCRETE CURB AND GUTTER IS TIED TO MAIN LINE PAVING.



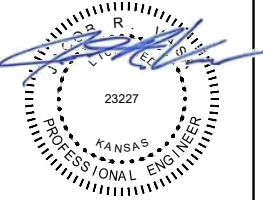
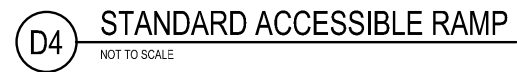
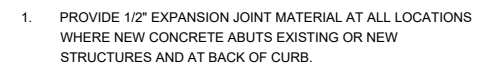
VALLEY CENTER
STANDARD DETAILS
VALLEY CENTER, KS

Issue:		
1	ISSUED FOR CONSTRUCTION	03/10/21

JOB NO.	217013-001
DATE	10 MARCH 2021
PM	JAG
DESIGNED BY	JAG
DRAWN BY	DSB
CHECKED BY	MEB

REINFORCED CONCRETE
DRIVE DETAILS

C-504



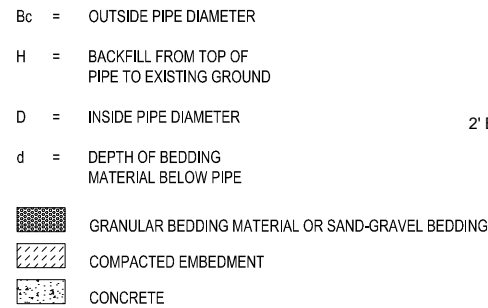
VALLEY CENTER STANDARD DETAILS

VALLEY CENTER, KS

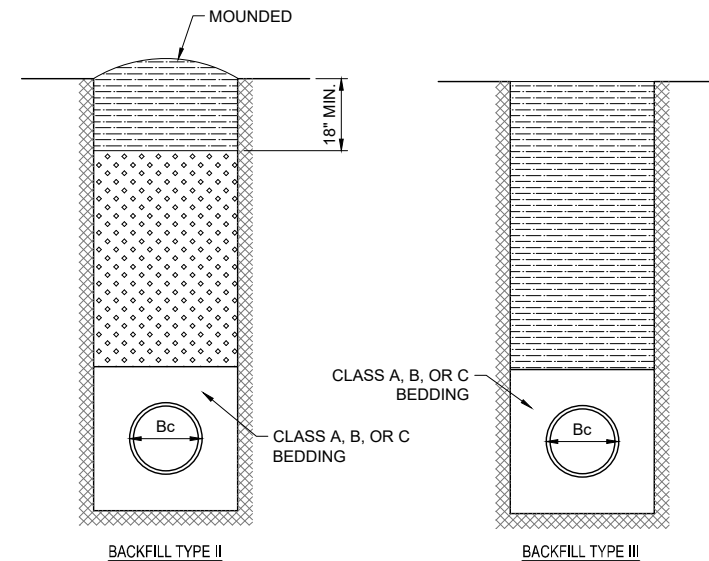
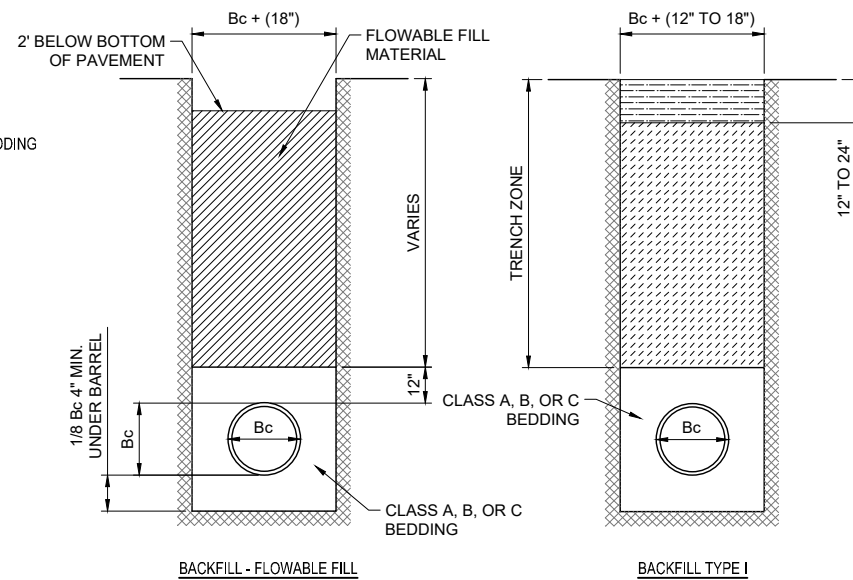
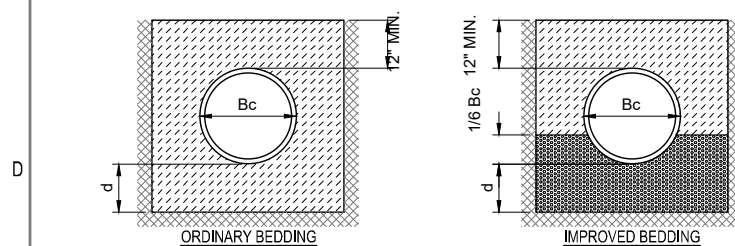
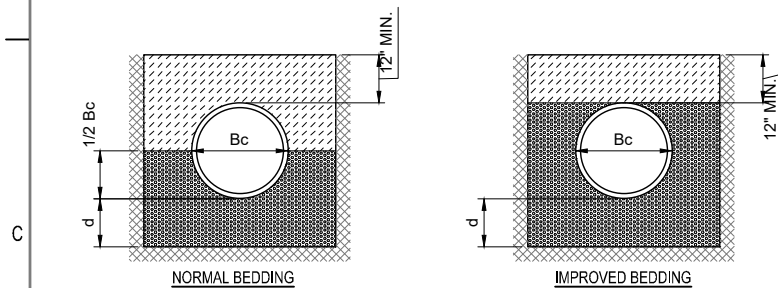
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JOB NO.	217013-001	
DATE	10 MARCH 2021	
PM	JAG	
DESIGNED BY	JAG	
DRAWN BY	DSB	
CHECKED BY	MEB	

SIDEWALK DETAILS




C-505



DEPTH OF BEDDING MATERIAL BELOW PIPE		
D	d (MIN) SOIL	d (MIN) ROCK
27" & SMALLER	4"	6"
30" TO 60"	5"	9"
66" & LARGER	6"	12"



Bc = OUTSIDE PIPE DIAMETER

	COMPACTED GRANULAR BACKFILL
	UNCOMPACTED EARTH BACKFILL
	COMPACTED EARTH BACKFILL

COMPACTED GRANULAR BACKFILL MATERIAL SHALL BE AN APPROVED SAND MATERIAL FREE FROM DEBRIS, ORGANIC MATERIAL AND STONES WITH 100% PASSING THE 3/4" SIEVE AND NOT MORE THAN 15% PASSING A NO. 200 SIEVE; TO BE JETTED AND MECHANICALLY VIBRATED INTO PLACE AND COMPACTED TO 95% DENSITY AS DETERMINED BY ASTM D698.

UNCOMPACTED EARTH BACKFILL MATERIAL MAY BE NATURAL SOIL FREE FROM LARGE CLODS OR STONES, BRUSH, ROOTS MORE THAN 2 INCHES IN DIAMETER, DEBRIS, AND JUNK. FLOODING WITH WATER SHALL BE PROVIDED AS DIRECTED BY THE ENGINEER.

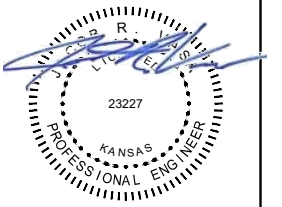
COMPACTED EARTH BACKFILL SHALL CONSIST OF MATERIAL EXISTING PRIOR TO TRENCHING OR SELECTED MATERIAL AS DIRECTED BY THE ENGINEER, AND SHALL BE COMPACTED TO 90% DENSITY AS DETERMINED BY ASTM D698.

BACKFILL: BACKFILL MATERIAL AND COMPACTION REQUIREMENTS SHALL CONFORM TO EITHER TYPE I, TYPE II OR TYPE III AS SPECIFIED IN THE PLANS. ONE YEARS MAINTENANCE WILL BE REQUIRED ON ALL BACKFILL.

BACKFILLING THROUGH ROCK. BACKFILLING THROUGH ROCK SHALL BE PERFORMED AS SPECIFIED IN THE PARAGRAPH BACKFILL ABOVE. EXCEPT THAT THE PIPE ZONE IS INCREASED TO PROVIDE EIGHTEEN (18) INCHES OF COVER OVER THE PIPE. WHEN APPROVED BY THE ENGINEER THE REMAINDER OF THE BACKFILL MAY BE EXCAVATED ROCK PROVIDED THE EXCAVATED ROCK HAS BEEN BROKEN UP SO THAT EARTH AND ROCK MIXED TOGETHER. THE MIXED MATERIAL SHALL BE PLACED AROUND THE LARGER PIECES OF ROCK. ANY EXCESS ROCK REMAINING AFTER THE TRENCH HAS BEEN BACKFILLED SHALL BE REMOVED OR WASTED AS DIRECTED BY THE ENGINEER.

BACKFILLING UNDER PAVEMENT: BACKFILLING UNDER EXISTING OR PROPOSED PAVEMENT SHALL BE PERFORMED AS BACKFILL TYPE I OR BACKFILL - FLOWABLE FILL TO A LEVEL OF TWO (2) FEET FROM THE BOTTOM OF THE PAVEMENT. THE REMAINDER OF THE TRENCH SHALL BE BACKFILLED WITH SELECTED MATERIAL, SUFFICIENTLY DAMP TO BE PROPERLY COMPACTED IN LAYERS NOT EXCEEDING SIX (6) INCHES IN DEPTH. COMPACTION SHALL BE PERFORMED WITH MECHANICAL TAMPING. THE RELATIVE DENSITY OF THE RELATIVE DENSITY OF 100 PERCENT OF STANDARD DENSITY, IN CONFORMANCE WITH ASTM D698 IS ATTAINED.

BACKFILLING UNDER GRAVEL STREETS: WHERE THE TRENCH CROSSES OR IS IN EXISTING GRAVEL SURFACED STREETS, THE BACKFILL SHALL BE COMPACTED AS PROVIDED IN THE PARAGRAPH "BACKFILLING UNDER PAVEMENT".



VALLEY CENTER
STANDARD DETAILS

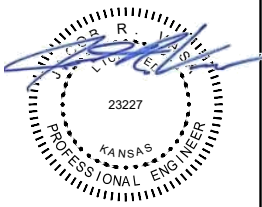
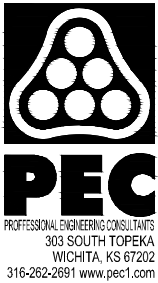
VALLEY CENTER, KS

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JOB NO.	217013-001
DATE	10 MARCH 2021
PM	JAG
DESIGNED BY	JAG
DRAWN BY	DSB
CHECKED BY	MEB

BEDDING & BACKFILL DETAILS

C-506



VALLEY CENTER
STANDARD DETAILS
VALLEY CENTER, KS

Issue:		
1	ISSUED FOR CONSTRUCTION	03/10/21

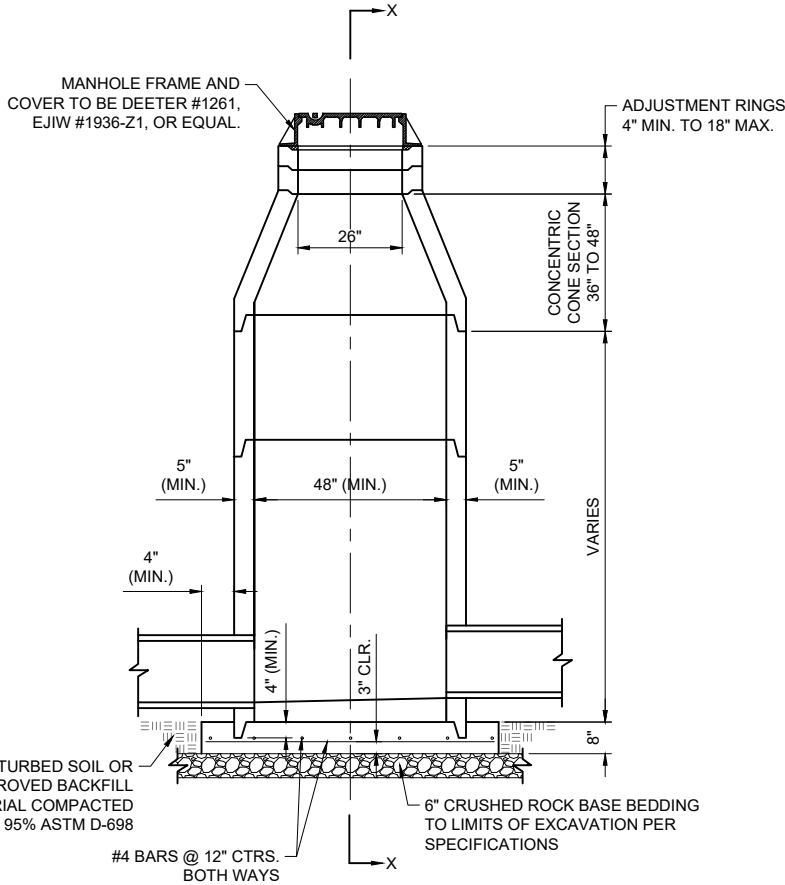
JOB NO.	217013-001
DATE	10 MARCH 2021
PM	JAG
DESIGNED BY	JAG
DRAWN BY	DSB
CHECKED BY	MEB

STORM SEWER PRECAST
CONCRETE MANHOLE
(CIRCULAR)

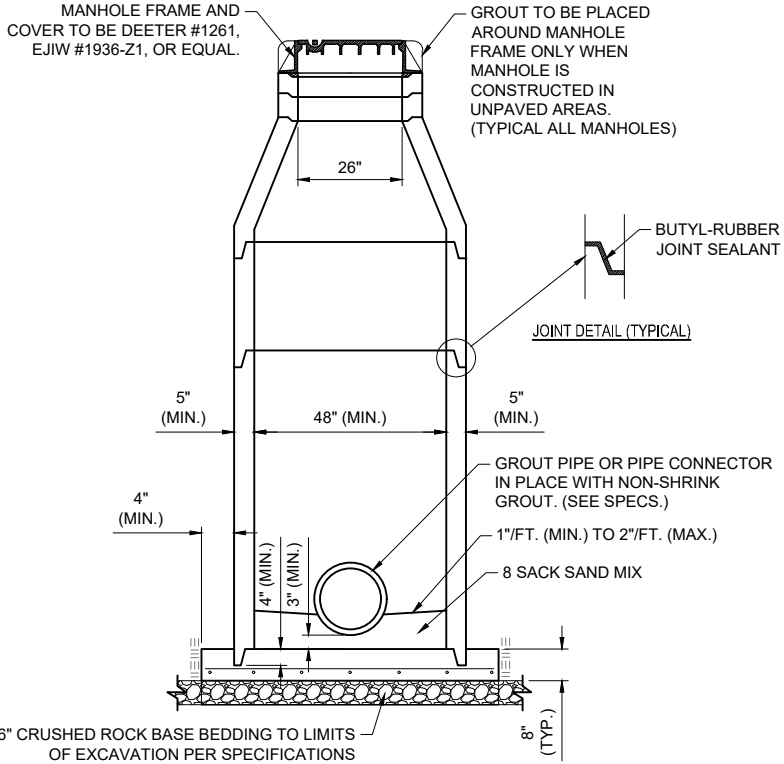
C-507

PRECAST MANHOLE NOTES

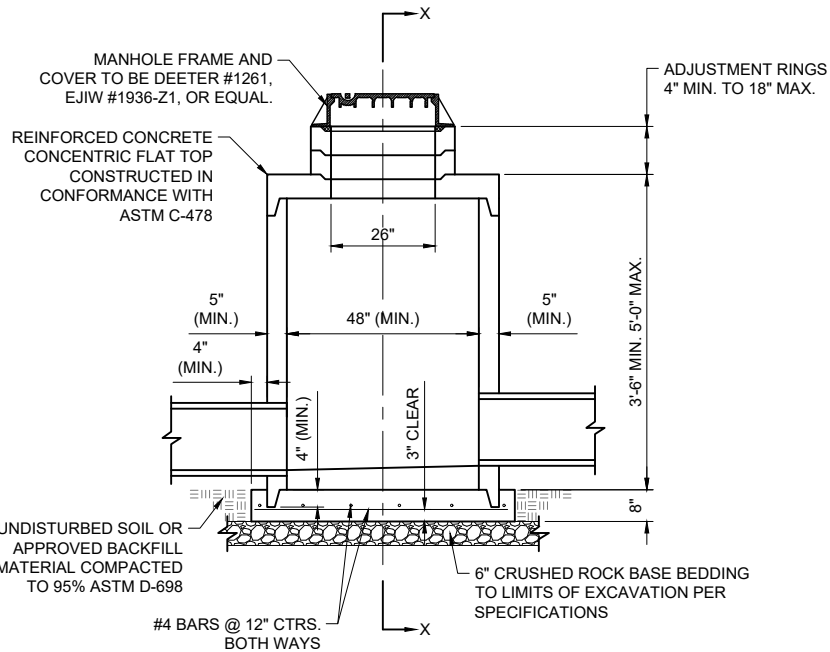
- IF, IN THE OPINION OF THE ENGINEER, THE MANHOLE SUBGRADE APPEARS UNSTABLE, THE CONTRACTOR WILL HAVE THE OPTION TO COMPACT SUBGRADE AS SHOWN OR INCREASE THE THICKNESS OF THE MANHOLE BASE AS DIRECTED BY THE ENGINEER.
- STEEL REINFORCING WILL BE REQUIRED IN ALL MANHOLE BASES.
- ALL MANHOLE CONSTRUCTION SHALL BE WATER TIGHT.
- TOP OF MANHOLE FLOOR SLAB SHALL BE AT LEAST 3 INCHES BELOW THE FLOW LINE OF THE OUTLET PIPE TO INSURE SUFFICIENT MINIMUM THICKNESS OF SHAPED INVERT.
- ALL PRECAST CONCRETE MANHOLE SECTIONS SHALL CONFORM TO THE LATEST REVISION OF ASTM C-478 AS MODIFIED BY THE SPECIFICATIONS.
- CONCRETE USED FOR MANHOLE CONSTRUCTION SHALL CONFORM TO SPECIFICATIONS FOR CONCRETE PAVEMENT MIX.
- PRECAST MANHOLES SHALL BE SET AT LEAST 4 INCHES INTO MANHOLE BASE.
- MANHOLES WITH PIPE SIZES 24" AND LARGER SHALL HAVE 5 FOOT INSIDE DIAMETER (MIN.)
- MANHOLES WITH PRECAST BASES MAY BE USED AT THE CONTRACTORS OPTION. THESE MANHOLES SHALL HAVE AN 8" MINIMUM BASE THICKNESS AND SHALL BE PLACED ON AN 8" MIN. CRUSHED ROCK BASE. PIPES SHALL BE ENCASED WITH CRUSHED ROCK TO AT LEAST 3 FEET FROM THE MANHOLE WALL.
- CONTRACTOR SHALL REMOVE LIFTING HOOKS AFTER INSTALLATION. RECESSES IN MANHOLE WALL SHALL BE GROUTED FLUSH TO THE MANHOLE WALL WITH HYDRAULIC CEMENT AFTER THE MANHOLE IS IN PLACE. LIFTING HOLES THRU THE MANHOLE WALL WILL NOT BE ACCEPTED.
- THE ENDS OF ALL PIPES IN MANHOLES SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE MANHOLE WALL.
- MANHOLE INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE MANHOLE WILL BE SELF CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.
- MANHOLE FRAME AND COVER TO BE DEETER #1261, EJIW #1936-Z1, OR APPROVED EQUAL (NO LOGO).
- FOR FLAT GRATED INLET APPLICATION, GRATE TO BE DEETER #1933, EJIW #1205 MDI, OR APPROVED EQUAL.
- FOR BEEHIVE GRATE APPLICATION, GRATE TO BE DEETER #4495, EJIW #120545, OR APPROVED EQUAL.



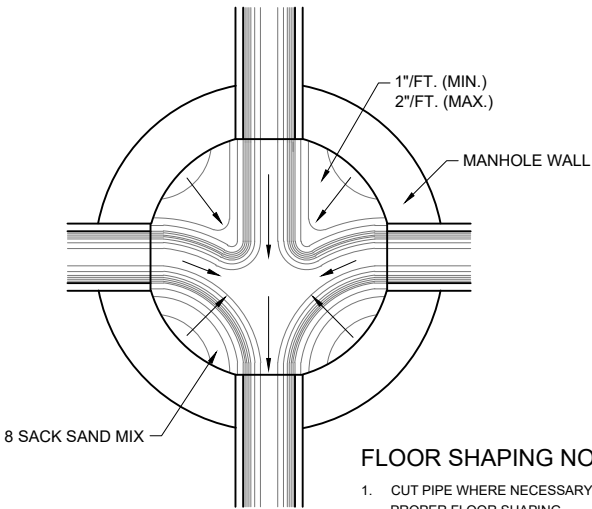
C1 PRECAST STANDARD MANHOLE TYPE "A"
NOT TO SCALE



C3 SECTION X-X (TYPICAL)
NOT TO SCALE



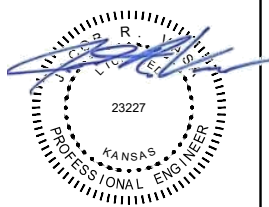
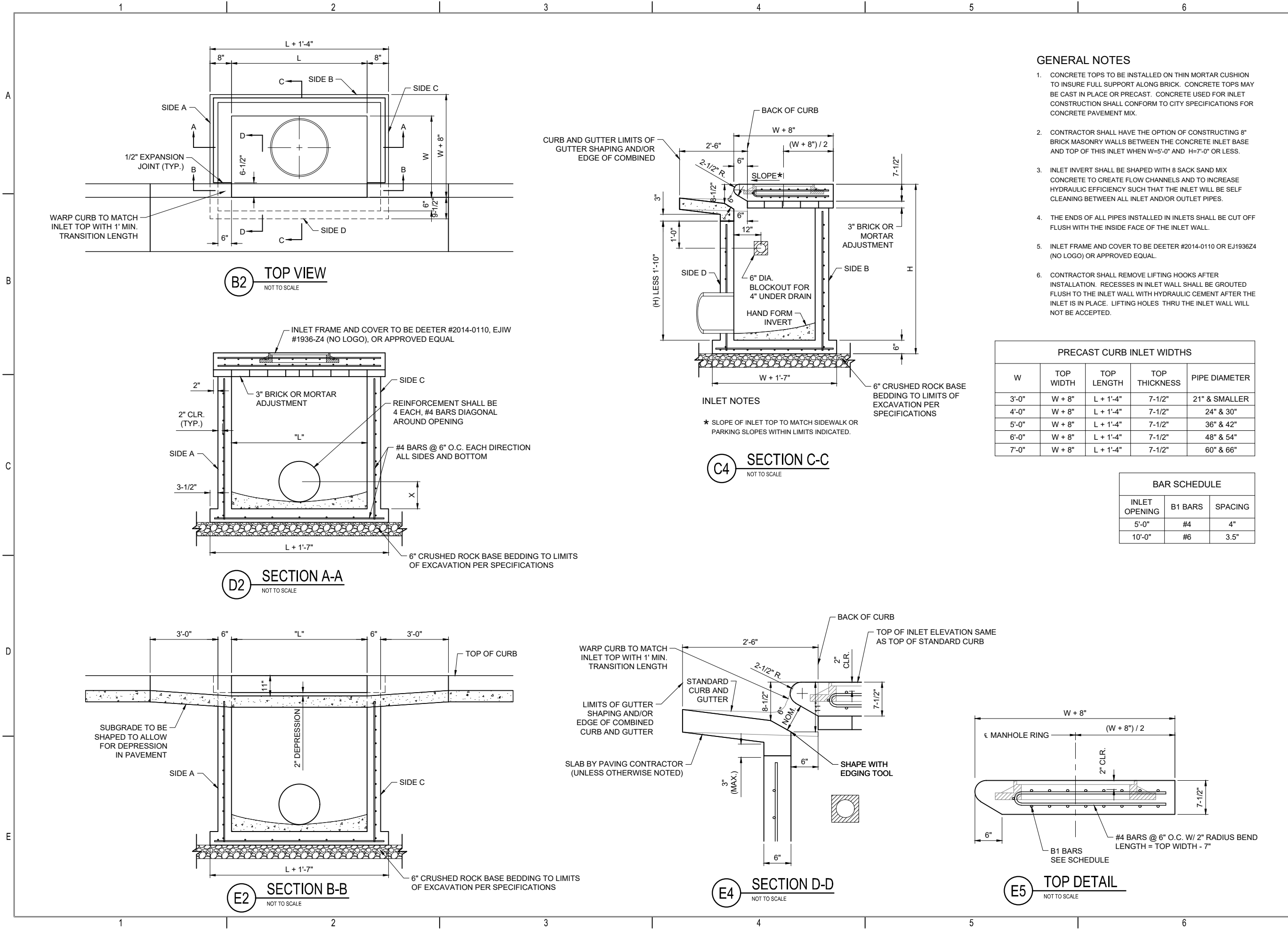
E1 PRECAST SHALLOW MANHOLE TYPE "B"
NOT TO SCALE



E3 TYPICAL MANHOLE FLOOR SHAPING
NOT TO SCALE

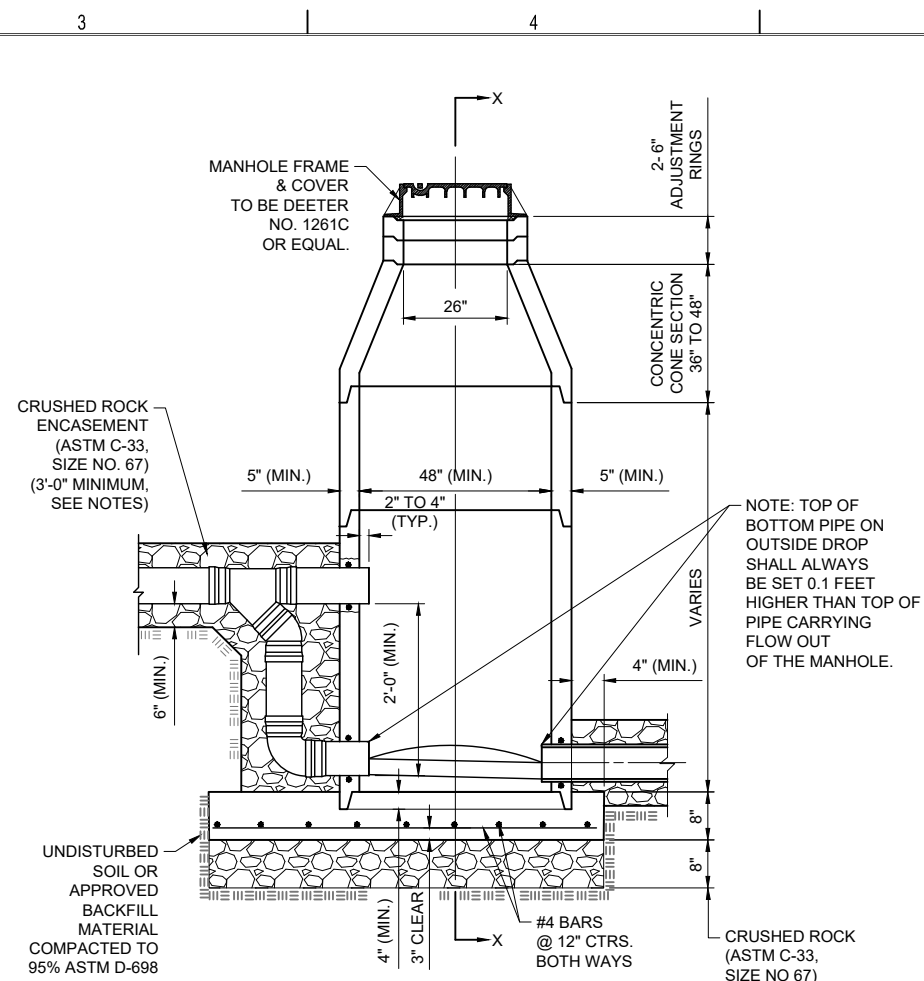
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CONCRETE MANHOLE (CIRCULAR).DWG

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DETAILS.DWG

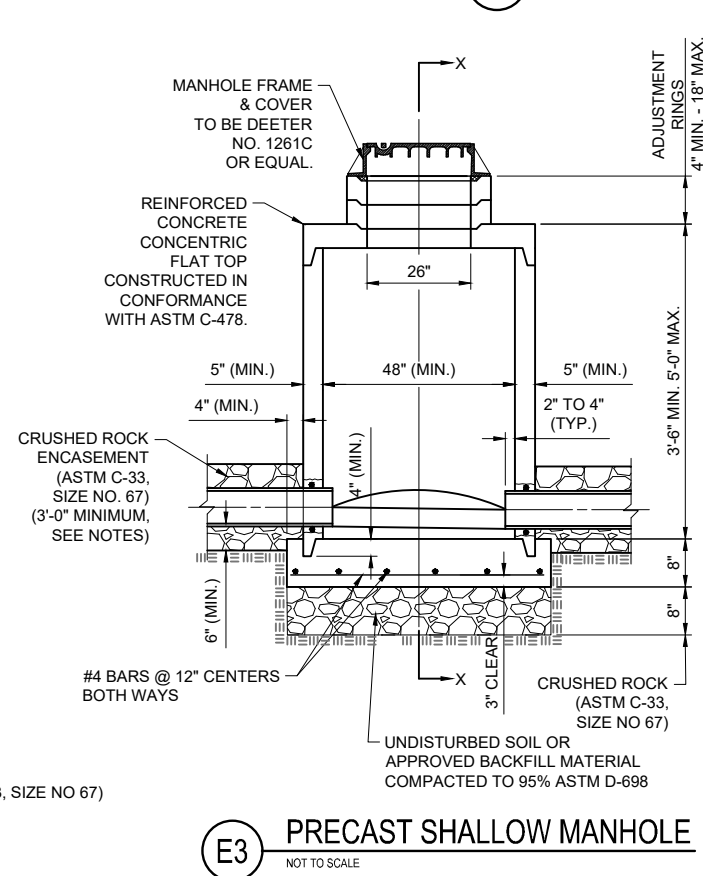


VALLEY CENTER
STANDARD DETAILS
VALLEY CENTER, KS

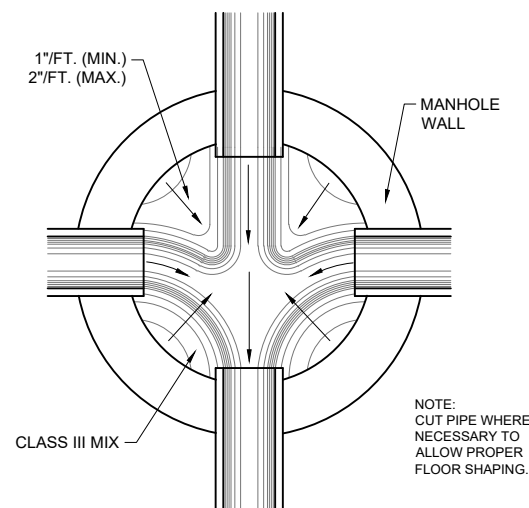
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1	ISSUED FOR CONSTRUCTION	03/10/21
JOB NO.	217013-001	
DATE	10 MARCH 2021	
PM	JAG	
DESIGNED BY	JAG	
DRAWN BY	DSB	
CHECKED BY	MEB	
TYPE 1 CURB INLET DETAILS		
C-510		



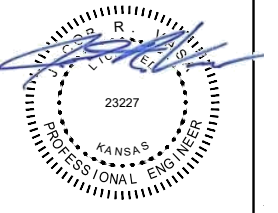
C3 PRECAST OUTSIDE DROP MANHOLE



E4 TYPICAL MANHOLE FLOOR SHAPING
NOT TO SCALE



1. IF, IN THE OPINION OF THE ENGINEER, THE MANHOLE SUBGRADE APPEARS UNSTABLE, THE CONTRACTOR WILL HAVE THE OPTION TO COMPACT SUBGRADE AS SHOWN OR INCREASE THE THICKNESS OF THE MANHOLE BASE AS DIRECTED BY THE ENGINEER.
2. STEEL REINFORCING WILL BE REQUIRED IN ALL MANHOLE BASES.
3. DOG HOUSE MANHOLES MAY BE USED WHERE CONNECTING TO EXISTING SEWERS. APPROVED FLEXIBLE WATERSTOP GASKETS WHICH MEET OR EXCEED THE TEST REQUIREMENTS OF ASTM C-923 SHALL BE INSTALLED TO JOIN THE SEWER TO THE MANHOLE WALL WHEN PLASTIC PIPE IS USED. SEWER PIPE EXTENDING FROM MANHOLES SHALL BE SUPPORTED WITH CRUSHED ROCK ENCASEMENT A MINIMUM OF 3 FEET FROM THE MANHOLE WALL, WHEN A-LOK GASKETS ARE NOT PROVIDED FOR THE PIPE PENETRATION TO THE MANHOLE.
4. THE MANHOLE FRAME SHALL BE SEATED ON AN APPROVED BUTYL-RUBBER SEALANT TO PROVIDE A WATER-TIGHT SEAL BETWEEN THE MANHOLE ADJUSTMENT RING AND THE MANHOLE FRAME.
5. GASKETED PIPE PLUGS AND CAPS SHALL BE PROVIDED BY THE PIPE SUPPLIER.
6. ALL MANHOLE CONSTRUCTION SHALL BE WATER TIGHT.
7. TOP OF MANHOLE FLOOR SLAB SHALL BE AT LEAST 3 INCHES BELOW THE FLOW LINE OF THE OUTLET PIPE TO INSURE SUFFICIENT MINIMUM THICKNESS OF SHAPED INVERT.
8. ALL PRECAST CONCRETE MANHOLE SECTIONS SHALL CONFORM TO THE LATEST REVISION OF ASTM C-478 AS MODIFIED BY THE SPECIFICATIONS.
9. CONCRETE FOR MANHOLE BASES SHALL BE CLASS I AS DESCRIBED IN THE SPECIFICATIONS.
10. PRECAST MANHOLES SHALL BE SET AT LEAST 4 INCHES INTO MANHOLE BASE. CAST IN PLACE BASES SHALL BE 8" THICK (MIN.) WITH #4 BARS @ 12" CENTERS.
11. MANHOLES WITH PIPE SIZES 24" AND LARGER SHALL HAVE 5 FOOT INSIDE DIAMETER (MIN.)
12. INSIDE DIAMETER OF FIVE-FOOT DIAMETER PRECAST MANHOLES SHALL REMAIN CONSTANT TO THE LOCATION OF THE REDUCING FLAT TOP WHICH CONNECTS THE FOUR-FOOT DIAMETER CONE SECTION TO THE FIVE FOOT DIAMETER MANHOLE BARREL.
13. ALL INTERIOR CONCRETE SURFACES ABOVE THE BENCH OF PRECAST MANHOLES SHALL BE COATED PER THE STANDARD SPECIFICATIONS.
14. EXTERIOR MANHOLE WALLS SHALL BE COATED WITH 1 COAT VALSPAR HI-BUILD BITUMINOUS COATING 35-J-10, ULTRA-SHIELD WB COATING, BY GMX, TNEMEC 46-450 HEAVY TNEMECOL, OR APPROVED EQUAL.
15. MANHOLES WITH PRECAST BASES MAY BE USED AT THE CONTRACTORS OPTION. MANHOLES WITH PRECAST BASES SHALL HAVE A-LOK OR APPROVED EQUAL GASKETS CAST INTO THE MANHOLE WALL FOR ALL PIPE PENETRATIONS. THESE MANHOLES SHALL HAVE AN 8" MINIMUM BASE THICKNESS AND SHALL BE PLACED ON AN 8" MIN. CRUSHED ROCK BASE. PIPES SHALL BE ENCASED WITH CRUSHED ROCK TO AT LEAST 3 FEET FROM THE MANHOLE WALL. CRUSHED ROCK SHALL MEET THE REQUIREMENTS FOR GRANULAR BEDDING MATERIAL.
16. MANHOLE SECTIONS SHALL BE SUPPLIED WITH RECESSED LIFTING EYES. LIFTING EYE RECESSES SHALL BE GROUTED FLUSH TO THE MANHOLE WALL WITH HYDRAULIC CEMENT AFTER THE MANHOLE IS IN PLACE. LIFTING HOLES THRU THE MANHOLE WALL WILL NOT BE ACCEPTED.

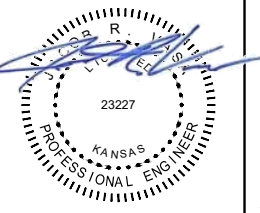


VALLEY CENTER STANDARD DETAILS

VALLEY CENTER, KS

Issue:		
1	ISSUED FOR CONSTRUCTION	03/10/21
JOB NO.	217013-001	
DATE	10 MARCH 2021	
PM	JAG	
DESIGNED BY	JAG	
DRAWN BY	DSB	
CHECKED BY	MEB	
SANITARY SEWER PRECAST MANHOLE DETAILS		

C-514

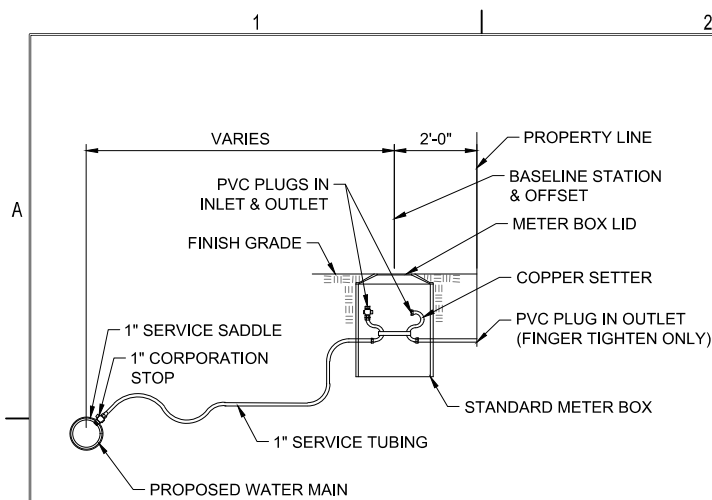


VALLEY CENTER
STANDARD DETAILS

VALLEY CENTER, KS

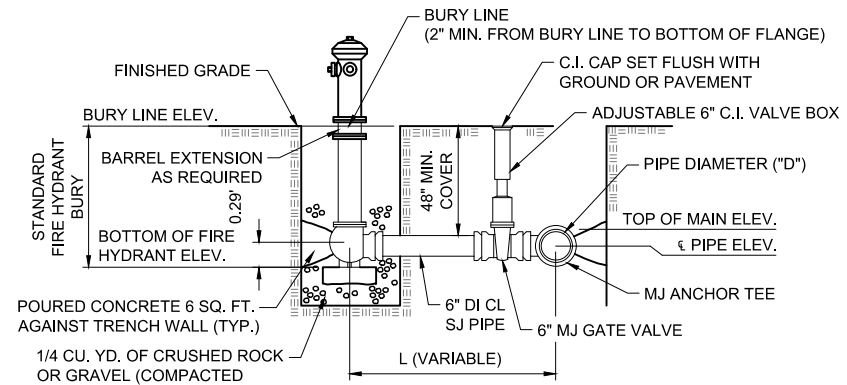
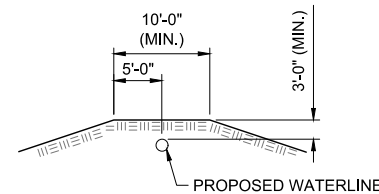
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SANITARY SEWER SERVICE CONNECTION DETAILS		

C-515

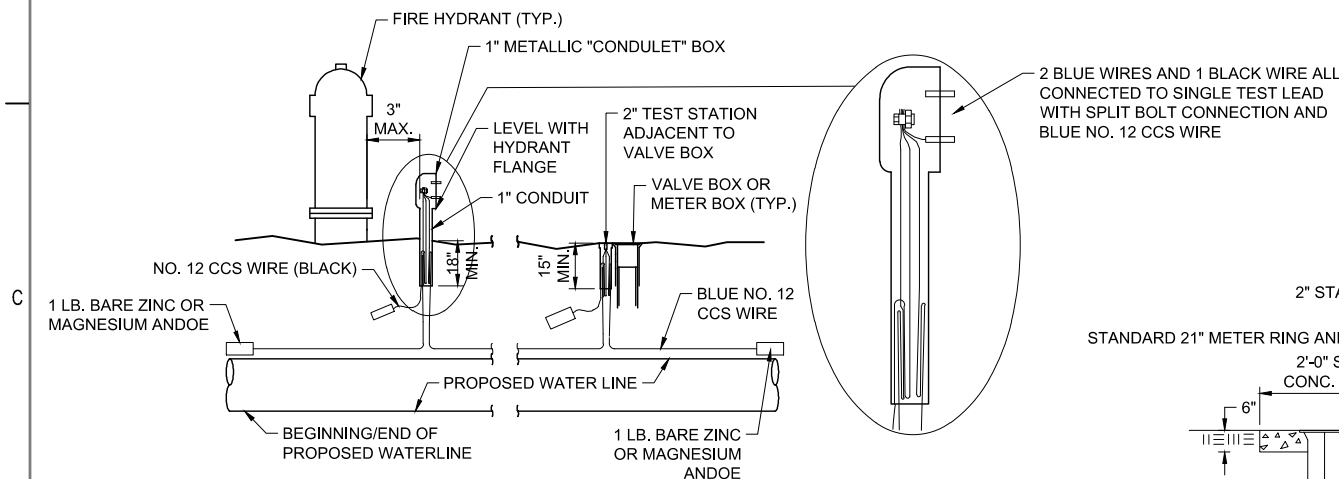


WATER SERVICE CONNECTION SCHEDULE				
POINT NO.	TAP LOCATION		METER BOX LOCATION	APPROXIMATE 1" SERVICE LINE REQUIRED (FT.)
	WATERLINE			
	NO.	STATION		
X	X	XX+XX.XX	XX	X.X
TOTAL METER BOXES =				

SEE THIS SHEET FOR WATER METER BOX AND SERVICE DETAIL.
SERVICES WILL BE BID ON A PER EACH BASIS FOR LONG AND SHORT SERVICES.
LONG SERVICE LINE LENGTH IS GREATER THAN 20'.
SHORT SERVICE LINE LENGTH IS LESS THAN 20'.
TRACER WIRE SHALL BE INSTALLED ON ALL SERVICE LINES.



- FIRE HYDRANT ASSEMBLY NOTES**
1. ALL BLOCKING TO BE POURED CONCRETE CLASS II.
2. MATERIAL LIST
- 1 - MJ ANCHOR TEE ("D" X 6")
 - 1 - 6" MJ GATE VALVE
 - 1 - 6" VALVE BOX
 - 6" DI CL SJ PIPE
 - 1 - FIRE HYDRANT
- CONCRETE BLOCKING (AS REQUIRED)



TRACER WIRE NOTES

TRACER WIRE
CONDUCTIVE TYPE PIPE LOCATOR/TRACER WIRE SHALL BE INSTALLED TO LOCATE POLYVINYL CHLORIDE (PVC) OR ANY NONMETALLIC WATERLINE PIPES. THE WIRE SHALL EXTEND THE ENTIRE LENGTH OF THE PROPOSED PIPE. THE WIRE SHALL BE TAPED TO THE WATERLINE AND PULLED WITH THE PIPE. SNAKE BITE LOCKING WIRE CONNECTORS BY COPPERHEAD, OR APPROVED EQUAL, SHALL BE USED AT SPlice LOCATIONS. ELECTRICAL TAPE SHALL COVER ALL SPlices SO NO BARE WIRE IS EXPOSED. TEST STATIONS SHALL BE INSTALLED ADJACENT TO ALL FIRE HYDRANTS ALONG THE WATERLINE AND AT BLOWOFFS OR VALVES NEAR THE ENDS OF THE WATERLINES. ANY EXCEPTIONS TO THE LOCATION OF TEST STATIONS SHALL BE APPROVED BY THE ENGINEER. AT EACH TEST STATION, THE TRACER WIRE SHALL BE CONNECTED TO A 1 LB. ZINC OR MAGNESIUM ANODE. ANODES SHALL ALSO BE ATTACHED TO THE TRACER WIRE AT BOTH THE BEGINNING AND THE END OF THE PROPOSED WATERLINE. A TYPICAL LAYOUT OF THE TRACER WIRE AND TEST STATION IS PROVIDED IN THE ABOVE FIGURE.

WIRE
THE TRACER WIRE SHALL BE BLUE NO. 12 CCS WIRE WITH THERMAL PLASTIC INSULATION AS MANUFACTURED BY COPPERHEAD OR APPROVED EQUAL. THE INSULATION SHALL BE HEAT, OIL, AND GASOLINE RESISTANT AS MANUFACTURED BY TEMPLE ELECTRIC OR APPROVED EQUAL. TO ALLOW FOR GRADE ADJUSTMENT, A MINIMUM OF 12" OF EXCESS WIRE SHALL BE COILED AT THE BOTTOM OF THE TEST STATION FOR ALL WIRES. THE INSULATION SHEATHING SHALL BE REMOVED SUCH THAT 1" BARE COPPER WIRE IS EXPOSED AT ALL POINTS OF CONNECTION. CONTRACTOR SHALL ATTACH WIRE BEING INSTALLED WITH PROPOSED WATER MAIN TO ANY TRACER WIRE INSTALLED WITH ADJACENT WATERLINE PROJECTS.

TEST STATIONS
THE TEST STATION FOR FIRE HYDRANT APPLICATIONS SHALL BE A 1 INCH GALVANIZED "CONDULET" STYLE TEST STATION AS MANUFACTURED BY AGRA INDUSTRIES OR APPROVED EQUAL WITH A REMOVAL SOLID COVER HAVING TWO LEADS EXTENDING FROM THE FACE OR APPROVED EQUAL. THE TEST STATION FOR VALVE AND METER APPLICATIONS SHALL BE 2 INCH FLUSH STYLE TEST STATION T2P53B AS MANUFACTURED BY HANDLEY INDUSTRIES OR APPROVED EQUAL. THE "CONDULET" STYLE TEST STATION SHALL BE ATTACHED TO A 1 INCH RIGID GALVANIZED CONDUIT WITH A MINIMUM LENGTH OF 36" AND PLASTIC END BUSHING. THE FLUSH STYLE SHALL HAVE THE WORD "WATER" STAMPED OR MOLDED INTO THE LID. ALL TEST STATIONS SHALL BE MANUFACTURED USING MOLDED BLUE TOPS OR SUFFICIENTLY COATED WITH BLUE ENAMEL PAINT. THE TRACER WIRE AND THE ANODE WIRE SHALL BE INSTALLED TO ALLOW 10 INCHES OF WIRE WITHIN THE TEST STATION. IN CONCRETE ENVIRONMENTS SUCH AS SIDEWALKS OR IN THE DOWNTOWN AREA THE CONTRACTOR SHALL USE THE FLUSH STYLE TEST STATION. THE LOCATION OF ALL TEST STATIONS SHALL BE APPROVED BY THE ENGINEER, RECORDED, AND SHOWN IN THE AS-BUILT DRAWINGS.

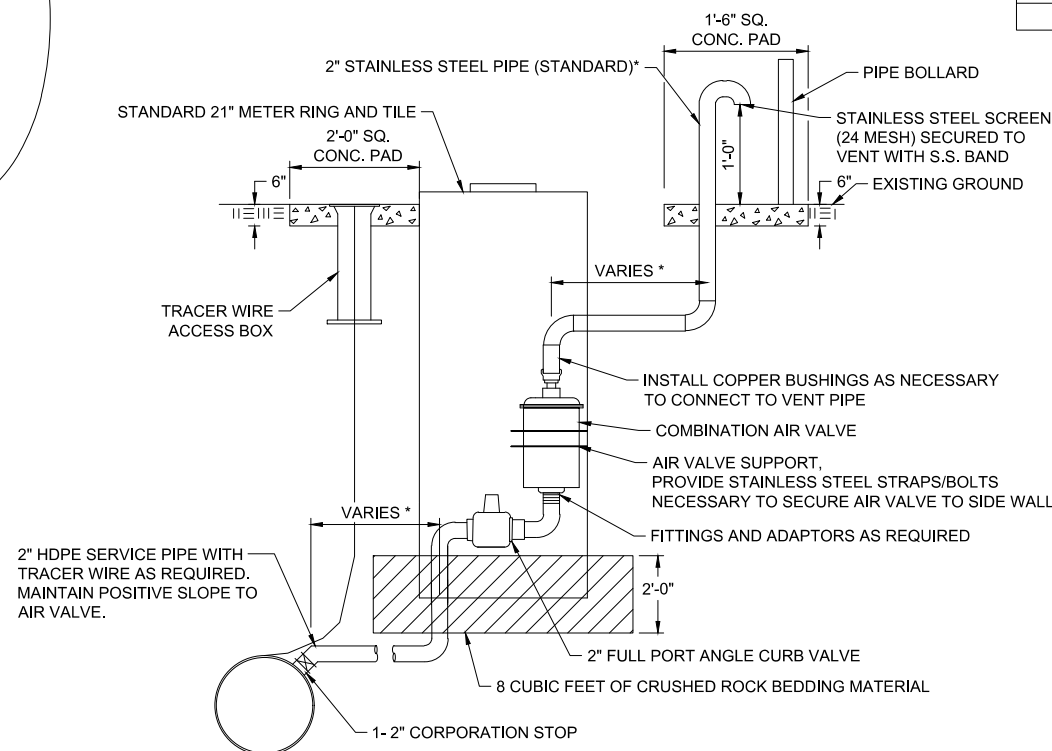
ANODES
THE ANODES SHALL BE 1 LB. BARE ZINC OR MAGNESIUM. THE ANODES SHALL BE BURIED AT THE SAME ELEVATION AS THE WATERLINE AT EACH TEST STATION. THE ANODES SHALL BE CONNECTED TO BLACK NO. 12 THHN ANNEALED SOFT COPPER WIRE WHICH SHALL BE EXTENDED TO THE TEST STATION.



COST IS SUBSIDIARY TO PIPE INSTALLATION

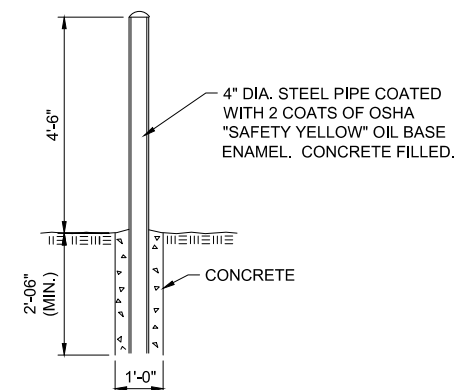
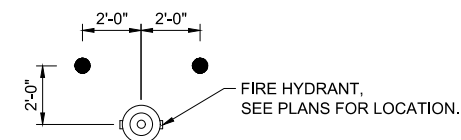
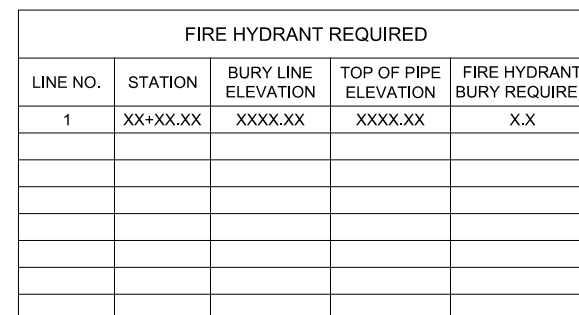
PROTECTIVE FILL NOTES

1. MINIMUM PROTECTIVE FILL SHALL BE PROVIDED IN ALL INSTANCES WHERE COVER OVER THE PROPOSED WATERLINE IS LESS THAN THREE (3) FEET. COST IS SUBSIDIARY TO PIPE INSTALLATION).



* CONTRACTOR SHALL INSTALL VENT PIPE AT LOCATIONS AS APPROVED BY THE FIELD ENGINEER. VENT PIPES SHALL BE INSTALLED NEAR EXISTING ITEMS (POWER POLES/SIGNS/VALVE BOXES/FENCES). SEE PLANS FOR APPROXIMATE LOCATIONS.

COMBINATION AIR VALVE ASSEMBLY SHALL BE FIELD LOCATED AT THE HIGH POINTS OF THE WATERLINE, WITH THE ACTUAL LOCATIONS APPROVED BY THE FIELD ENGINEER. TOP OF AIR VALVE SHALL BE INSTALLED BELOW FROSTLINE (28" BELOW GRADE).



NOTE

PIPE BOLLARDS ONLY REQUIRED WHEN NOTED ON
PLANS. BOLLARDS SHALL BE CONSIDERED SUBSIDIARY TO
"FIRE HYDRANT ASSEMBLY".



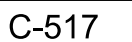
VALLEY CENTER
STANDARD DETAILS

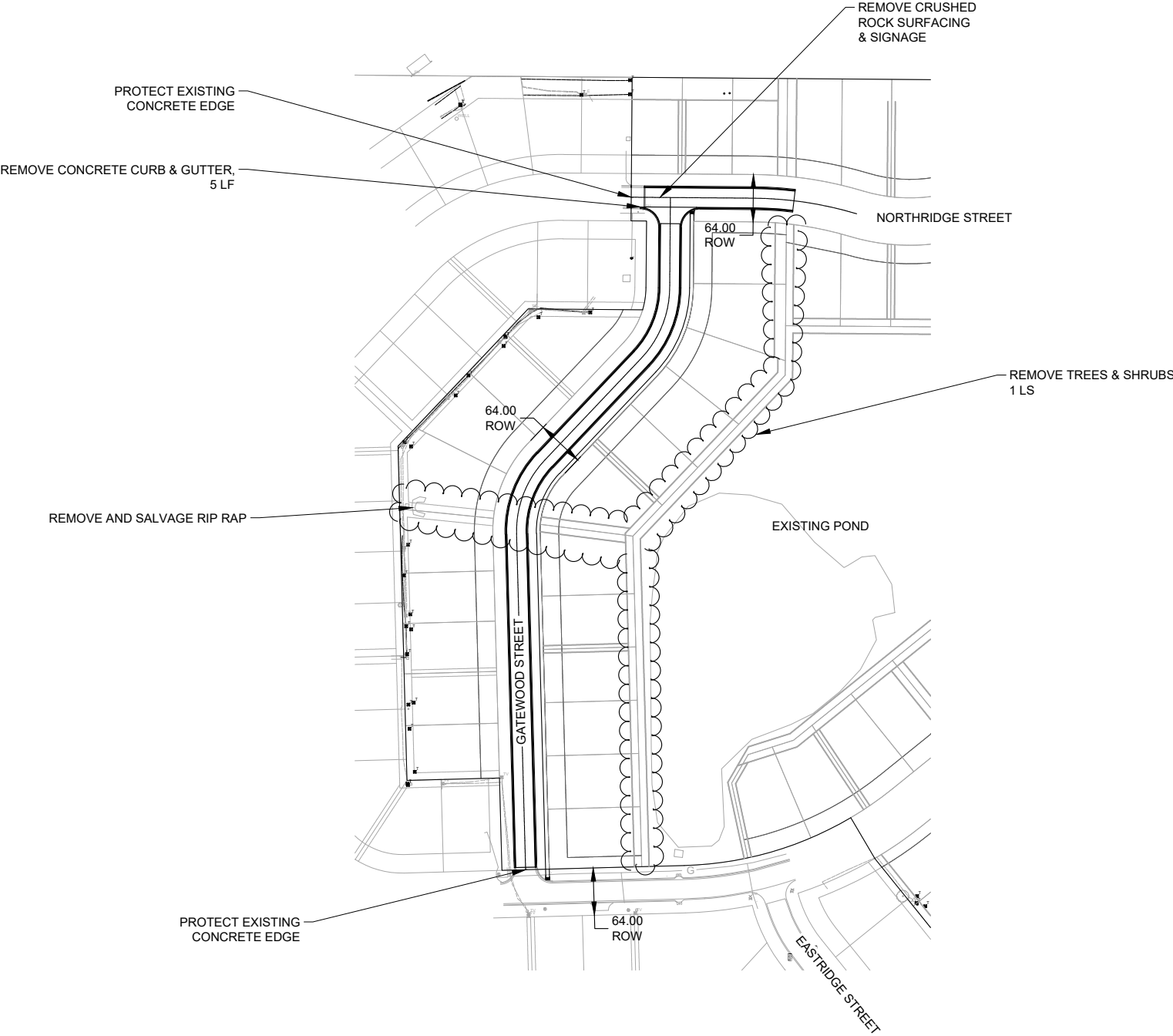
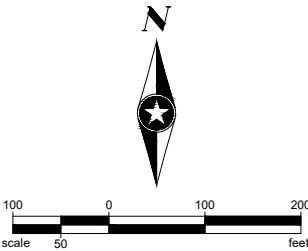
VALLEY CENTER, KS

Issue:		
1	ISSUED FOR CONSTRUCTION	03/10/21
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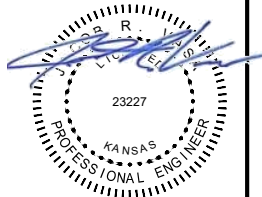
WATERLINE DETAILS 1

C-516



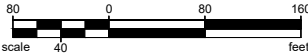


SITE PREPARATION



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SEH Project	SARTE145169	Rev.#	Revision Issue Description	Date	Rev.#	Revision Issue Description	Date		PRAIRIE LAKES ADDITION PHASE III VALLEY CENTER, KANSAS	SITE PREPARATION PHASE III IMPROVEMENTS	17 of 37
Drawn By	--	.			.						
Designed By	--	.			.						
Checked By	--	.			.						



EARTHWORKS SUMMARY

CUT: 19,242 CY
FILL*: 15,658 CY
NET: 3,584 CY (EXCESS)

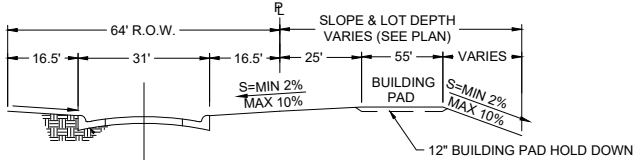
* COMPACTION FACTOR: 1.2

AREA OF DISTURBANCE: 42.4 AC.

CONTRACTOR SHALL GRADE SWALES TO ALLOW LOW POINTS TO FLOW AND NOT HOLD WATER. SWALES SHALL FOLLOW DRAINAGE ARROWS SHOWN ON THE PLAN.

CONTRACTOR SHALL GRADE BUILDING PADS AS SHOWN ON THE DETAIL ON THIS SHEET. MINIMUM ELEVATION OF PROPOSED BUILDING PAD SHALL BE 1347.00

CONTRACTOR SHALL BUILD 20' WIDE ROCK SURFACING, 3,450 SY
ACCESS ROAD SHOULD EXTEND FROM APPLETON STREET TO SENECA STREET

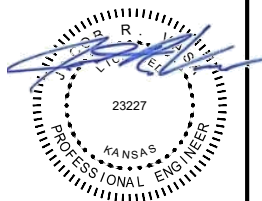


TYPICAL FLAT LOT
NOT TO SCALE

OVERALL GRADING PLAN

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SEH Project	SARTE145169	Rev.#	Revision Issue Description	Date	Rev.#	Revision Issue Description	Date		PRAIRIE LAKES ADDITION PHASE III VALLEY CENTER, KANSAS	GRADING PLAN PHASE III IMPROVEMENTS	18 of 37
Drawn By	-	.			.						
Designed By	-	.			.						
Checked By	-	.			.						





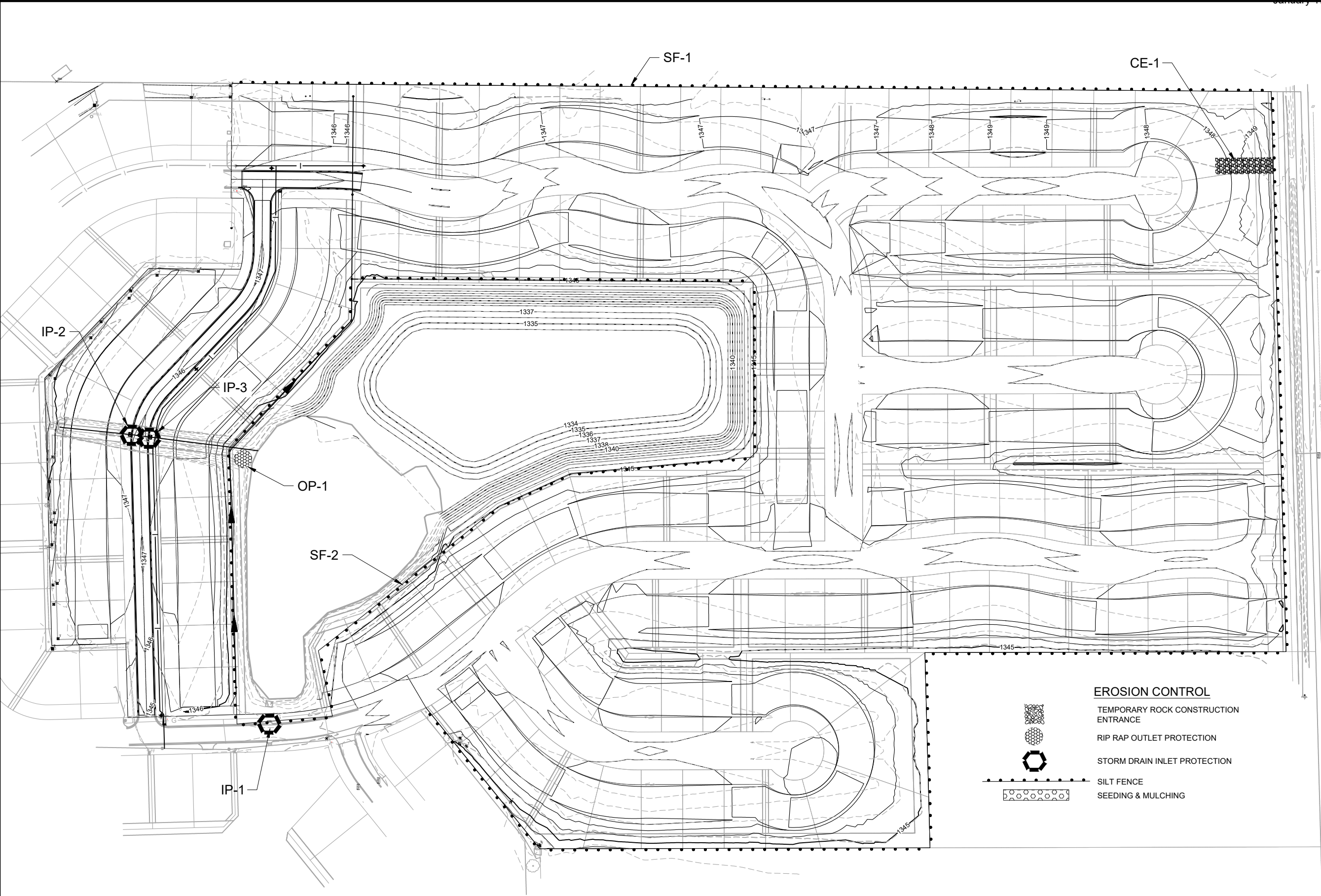
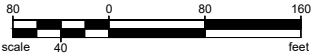
- MIN. HOME PAD ELEVATION:
1347.60
- CONTRACTOR TO HOLD DOWN
PAVEMENT AREAS SHOWN BY 6"
- MAX. PROPOSED SLOPE IS 4:1

CUT: 19,242 CY
FILL*: 15,658 CY
NET: 3,584 CY (EXCESS)

Elevations Table			
Number	Minimum Elevation	Maximum Elevation	Color
1	-3.24	-1.00	
2	-1.00	-0.01	
3	0.01	1.00	
4	1.00	3.00	
5	3.00	5.00	
6	5.00	8.35	

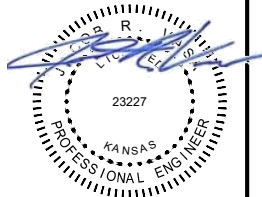
GRADING COMPARISON PLAN

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- EROSION CONTROL**
- TEMPORARY ROCK CONSTRUCTION ENTRANCE
 - RIP RAP OUTLET PROTECTION
 - STORM DRAIN INLET PROTECTION
 - SILT FENCE
 - SEEDING & MULCHING

EROSION CONTROL PLAN



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SEH Project	SARTE145169	Rev.#	Revision Issue Description	Date	Rev.#	Revision Issue Description	Date
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Designed By	--		
Checked By	--		



PRAIRIE LAKES ADDITION PHASE III
VALLEY CENTER, KANSAS

EROSION CONTROL PLAN
PHASE III IMPROVEMENTS

POST CONSTRUCTION STORMWATER MANAGEMENT PLAN
POST CONSTRUCTION STORMWATER MANAGEMENT PLAN IS DESIGNED TO MEET THE REQUIREMENTS OF CITY OF VALLEY CENTER'S POST CONSTRUCTION STORMWATER ORDINANCE.

EROSION PREVENTION MEASURES AND TIMING:
THE CONTRACTOR IS RESPONSIBLE FOR ALL EROSION PREVENTION MEASURES FOR THE PROJECT.

EROSION PREVENTION MEASURES SHOWN ON PLANS ARE THE ABSOLUTE MINIMUM REQUIREMENTS. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL EROSION PREVENTION MEASURES AS NECESSARY TO PROPERLY MANAGE THE PROJECT AREA.

THE CONTRACTOR SHALL PLAN AND IMPLEMENT APPROPRIATE CONSTRUCTION PRACTICES AND CONSTRUCTION PHASING TO MINIMIZE EROSION AND RETAIN VEGETATION WHENEVER POSSIBLE.

THE CONTRACTOR SHALL DELINEATE AREAS NOT TO BE DISTURBED AND/OR TO BE PROTECTED WITH FLAGS, STAKES, SIGNS, SILT FENCE, OR OTHER MEANS NECESSARY TO PROTECT THESE AREAS BEFORE CONSTRUCTION BEGINS ON THE SITE.

THE CONTRACTOR SHALL STABILIZE OF ALL EXPOSED SOILS IMMEDIATELY TO LIMIT SOIL EROSION. IN NO CASE SHALL ANY EXPOSED AREAS, INCLUDING STOCK PILES, HAVE EXPOSED SOILS FOR MORE THAN 14 DAYS WITHOUT PROVIDING TEMPORARY OR PERMANENT STABILIZATION.

DRAINAGE PATHS, DITCHES, AND/OR SWALES SHALL HAVE TEMPORARY OR PERMANENT STABILIZATION WITHIN 24 HOURS OF CONNECTING TO A SURFACE WATER OR 24 HOURS AFTER CONSTRUCTION ACTIVITY IN THE DITCH/SWALE HAS TEMPORARILY OR PERMANENTLY CEASED.

THE CONTRACTOR SHALL IMPLEMENT STORMWATER CONVEYANCE CHANNELS WHEN APPROPRIATE TO ROUTE WATER AROUND UNSTABILIZED AREAS ON SITE TO REDUCE EROSION.

THE CONTRACTOR SHALL IMPLEMENT EROSION CONTROL BMPS AND VELOCITY DISSIPATION DEVICES ALONG CONSTRUCTED STORMWATER CONVEYANCE CHANNELS AND OUTLETS.

THE CONTRACTOR SHALL STABILIZE TEMPORARY AND/OR PERMANENT DRAINAGE DITCHES OR SWALES WITHIN 200 LINEAL FEET FROM PROPERTY EDGE, OR DISCHARGE POINT(S) WITHIN 24 HOURS AFTER CONNECTING TO A SURFACE WATER OR PROPERTY EDGE.

TEMPORARY OR PERMANENT DITCHES OR SWALES USED AS A SEDIMENT CONTAINMENT SYSTEM DURING CONSTRUCTION MUST BE STABILIZED WITHIN 24 HOURS AFTER NO LONGER BEING USED AS A SEDIMENT CONTAINMENT SYSTEM.

THE CONTRACTOR SHALL NOT UTILIZE HYDROMULCH, TACKIFIER, POLYACRYLAMIDE OR SIMILIAR EROSION PREVENTION PRACTICES AS A FORM OF STABILIZATION FOR TEMPORARY OR PERMANENT DRAINAGE DITCHES OR SWALES.

THE CONTRACTOR SHALL ENSURE PIPE OUTLETS HAVE TEMPORARY OR PERMANENT ENERGY DISSIPATION WITH IN 24 HOURS OF CONNECTION TO A SURFACE WATER.

THE CONTRACTOR SHALL DIRECT DISCHARGES FROM BMPS TO VEGETATED AREAS TO INCREASE SEDIMENT REMOVAL AND MAXIMIZE STORMWATER INFILTRATION. VELOCITY DISSIPATION DEVICES MUST BE USED TO PREVENT EROSION WHEN DIRECTING STORMWATER TO VEGETATED AREAS.

SEDIMENT CONTROL MEASURES AND TIMING:
THE CONTRACTOR SHALL ENSURE SEDIMENT CONTROL MEASURES ARE ESTABLISHED ON ALL DOWN GRADIENT PERIMETERS BEFORE ANY UPGRADIENT LAND DISTURBING ACTIVITIES BEGIN. THESE MEASURES SHALL REMAIN IN PLACE UNTIL FINAL STABILIZATION HAS BEEN ESTABLISHED.

THE CONTRACTOR SHALL ENSURE THERE ARE NO UNBROKEN SLOPE LENGTH GREATER THAN 75 FEET ON SLOPES 3:1 OR STEEPER.

THE CONTRACTOR SHALL ENSURE SEDIMENT CONTROL PRACTICES REMOVED OR ADJUSTED FOR SHORT-TERM ACTIVITIES BE RE-INSTALLED IMMEDIATELY AFTER THE SHORT-TERM ACTIVITY HAS BEEN COMPLETED. SEDIMENT CONTROL PRACTICES MUST BE REINSTALLED BEFORE THE NEXT PRECIPITATION EVENT EVEN IF THE SHORT-TERM ACTIVITY IS NOT COMPLETE.

THE CONTRACTOR SHALL ENSURE STORM DRAIN INLETS AND CULVERT INLETS ARE PROTECTED BY APPROPRIATE BMPS DURING CONSTRUCTION UNTIL ALL SOURCES WITH POTENTIAL FOR DISCHARGING TO THE INLET HAS BEEN STABILIZED.

THE CONTRACTOR SHALL ENSURE STOCK PILES ARE PROVIDED WITH AN EFFECTIVE SEDIMENT PERIMETER CONTROL AND STOCK PILES SHALL NOT BE PLACED IN ANY TYPE OF SURFACE WATER OR NATURAL BUFFER.

THE CONTRACTOR SHALL INSTALL PERIMETER CONTROL AROUND ALL STAGING AREAS, BORROW PITS, AND AREAS CONSIDERED ENVIRONMENTALLY SENSITIVE.

THE CONTRACTOR SHALL ENSURE VEHICLE TRACKING BE MINIMIZED WITH EFFECTIVE BMPS. WHERE THE BMPS FAIL TO PREVENT SEDIMENT FROM TRACKING ONTO STREETS THE CONTRACTOR SHALL CONDUCT STREET SWEEPING TO REMOVE ALL TRACKED SEDIMENT.

THE CONTRACTOR SHALL IMPLEMENT CONSTRUCTION PRACTICES TO MINIMIZE SOIL COMPACTION.

THE CONTRACTOR SHALL ENSURE ALL CONSTRUCTION ACTIVITY REMAIN WITHIN PROJECT LIMITS.

THE CONTRACTOR SHALL NOT UTILIZE SEDIMENT CONTROL CHEMICALS ON SITE.

EROSION PREVENTION BMP SUMMARY:
SEE EROSION CONTROL PLAN SHEET FOR TYPE, LOCATION, AND QUANTITY OF EROSION PREVENTION BMPS.

SEDIMENT CONTROL BMP SUMMARY:
SEE EROSION CONTROL PLAN SHEETS FOR TYPE, LOCATION, AND QUANTITY OF SEDIMENT CONTROL BMPS.

STANDARD DETAILS

NUMBER	NAME	LOCATION
SW501	Construction Entrance	City Of Wichita Standard Details
SW502	Silt Fence	City Of Wichita Standard Details
SW502	Storm Drain Inlet Protection	City Of Wichita Standard Details
SW503	Straw Bale Ditch Check	City Of Wichita Standard Details

The City Of Wichita Standard Details can be found at <http://www.wichita.gov>

MAINTENANCE SCHEDULE
THE FOLLOWING MAINTENANCE SCHEDULE HAS BEEN PROVIDED. THE INSPECTOR MUST PERFORM THE INSPECTIONS. THE OPERATOR/CONTRACTOR MUST PERFORM ALL NEEDED MAINTENANCE. FURTHERMORE, ALL EROSION CONTROL FEATURE REQUIRING MAINTENANCE MAY NOT BE LISTED BELOW. THE OPERATOR/CONTRACTOR AND INSPECTOR MUST PERFORM THEIR RESPECTIVE DUTIES ON ALL BMPS S THAT ARE NOT LISTED BELOW AS WELL.

1. CONSTRUCTION ENTRANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR THE WASHING AND REWORKING OF EXISTING STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY. THE USE OF WATER TRUCKS TO REMOVE MATERIALS DROPPED, WASHED, OR TRACKED ONTO ROADWAYS WILL NOT BE PERMITTED UNDER ANY CIRCUMSTANCES.

2. SILT FENCE - THE MAINTENANCE MEASURES ARE AS FOLLOWS: (2.1) SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL, ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY; (2.2) CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED SILT FENCE RESULTING FROM END RUNS AND UNDERCUTTING; (2.3) SHOULD THE FABRIC ON A SILT FENCE DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER IS STILL NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY; (2.4) SEDIMENT DEPOSITS MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER; AND (2.5) ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

3. STORM DRAIN INLET PROTECTION - THE MAINTENANCE MEASURES ARE AS FOLLOWS: (3.1) STRUCTURES SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NECESSARY AND (3.2) STRUCTURES SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE REMAINING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

4. TEMPORARY DIVERSION DIKE - THE MEASURE SHALL BE INSPECTED AFTER EVERY STORM AND REPAIRS MADE TO THE DIKE, FLOW CHANNEL, OUTLET OR SEDIMENT TRAPPING FACILITY, AS NECESSARY. ONCE EVERY TWO WEEKS, WHETHER A STORM EVENT HAS OCCURRED OR NOT, THE MEASURE SHALL BE INSPECTED AND REPAIRS MADE IF NEEDED. DAMAGES CAUSED BY CONSTRUCTION TRAFFIC OR OTHER ACTIVITY MUST BE REPAIRED BEFORE THE END OF EACH WORKING DAY.

5. TEMPORARY FILL DIVERSION - SINCE THE PRACTICE IS TEMPORARY AND UNDER MOST SITUATIONS WILL BE COVERED THE NEXT WORKING DAY. THE MAINTENANCE REQUIRED SHOULD BE LOW. IF THE PRACTICE IS TO REMAIN IN USE FOR MORE THAN ONE DAY, AN INSPECTION SHALL BE MADE AT THE END OF EACH WORK DAY AND REPAIRS MADE TO THE MEASURE IF NEEDED. THE OPERATOR/CONTRACTOR SHOULD AVOID THE PLACEMENT OF ANY MATERIAL OVER THE STRUCTURE WHILE IT IS IN USE. CONSTRUCTION TRAFFIC SHOULD NOT BE PERMITTED TO CROSS THE DIVERSION.

6. TEMPORARY SEDIMENT TRAP - THE MAINTENANCE MEASURES ARE AS FOLLOWS: (6.1) SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE HALF THE DESIGN VOLUME OF THE WET STORAGE. SEDIMENT REMOVAL FROM THE BASIN SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE AND CAUSE SEDIMENTATION PROBLEMS;(6.2) FILTER STONE SHALL BE REGULARLY CHECKED TO ENSURE THAT FILTRATION PERFORMANCE IS MAINTAINED, STONE CHOKED WITH SEDIMENT SHALL BE REMOVED AND CLEANED OR REPLACED; AND (6.3) THE STRUCTURE SHOULD BE CHECKED REGULARLY TO ENSURE THAT IT IS STRUCTURALLY SOUND AND HAS NOT BEEN DAMAGED BY EROSION OR CONSTRUCTION EQUIPMENT, THE HEIGHT OF THE STONE OUTLET SHOULD BE CHECKED TO ENSURE THAT ITS CENTER IS AT LEAST 1 FOOT BELOW THE TOP OF THE EMBANKMENT.

7. TEMPORARY SEDIMENT BASIN - THE BASIN EMBANKMENT SHOULD BE CHECKED REGULARLY TO ENSURE THAT IT IS STRUCTURALLY SOUND AND HAS NOT BEEN DAMAGED BY EROSION OR CONSTRUCTION EQUIPMENT. THE EMERGENCY SPILLWAY SHOULD BE CHECKED REGULARLY TO ENSURE THAT ITS LINING IS WELL ESTABLISHED AND EROSION-RESISTANT. THE BASIN SHOULD BE CHECKED AFTER EACH RUNOFF PRODUCING RAINFALL FOR SEDIMENT CLEANOUT AND TRASH REMOVAL. WHEN THE SEDIMENT REACHES THE CLEANOUT LEVEL, IT SHALL BE REMOVED AND PROPERLY DISPOSED OF.

8. TEMPORARY SEEDING - AREAS WHICH FAIL TO ESTABLISH VEGETATIVE COVER ADEQUATE TO PREVENT RILL EROSION WILL BE RE-SEEDD AS SOON AS SUCH AREAS ARE IDENTIFIED. CONTROL WEEDS BY MOWING.

9. PERMANENT SEEDING - THE MAINTENANCE MEASURES ARE AS FOLLOWS: (9.1) IN GENERAL, A STAND OF VEGETATION CANNOT BE DETERMINED TO BE FULLY ESTABLISHED UNTIL IT HAS BEEN MAINTAINED FOR ONE FULL YEAR AFTER PLANNING; (9.2) NEW SEEDLINGS SHALL BE SUPPLIED WITH ADEQUATE MOISTURE, SUPPLY WATER AS NEEDED, ESPECIALLY LATE IN THE SEASON, IN ABNORMALLY HOT OR DRY CONDITIONS, OR ON ADVERSE SITES, WATER APPLICATIONS SHALL BE CONTROLLED TO PREVENT EXCESSIVE RUNOFF; (9.3) INSPECT ALL SEEDED AREAS FOR FAILURES AND MAKE NECESSARY REPAIRS, REPLACEMENTS, AND RESEEDINGS WITHIN THE PLANTING SEASON, IF POSSIBLE; [9.3.A] IF STAND IS INADEQUATE FOR EROSION CONTROL, OVER SEED AND FERTILIZE USING HALF OF THE RATES ORIGINALLY SPECIFIED; [9.3.B] IF STAND IS 60% DAMAGED, RE-ESTABLISH FOLLOWING SEEDBED AND SEEDING RECOMMENDATIONS; [9.3.C] IF STAND HAS LESS THAN 40% COVER, RE-EVALUATE CHOICE OF PLANT MATERIALS AND QUANTITIES OF LIME AND FERTILIZER. THE SOIL MUST BE TESTED TO DETERMINE IF ACIDITY OR NUTRIENT IMBALANCES ARE RESPONSIBLE, RE-ESTABLISH THE STAND FOLLOWING SEEDBED AND SEEDING RECOMMENDATIONS.

10. MULCHING - ALL MULCHES AND SOIL COVERINGS SHOULD BE INSPECTED PERIODICALLY (PARTICULARLY AFTER RAINSTORMS) TO CHECK FOR EROSION. WHERE EROSION IS OBSERVED IN MULCHED AREAS, ADDITIONAL MULCH SHOULD BE APPLIED. NETS AND MATS SHOULD BE INSPECTED AFTER RAINSTORMS FOR DISLOCATION OR FAILURE. IF WASHOUTS OR BREAKAGE OCCUR, REINSTALL NETTING OR MATTING AS NECESSARY AFTER REPAIRING DAMAGE TO THE SLOPE OR DITCH. INSPECTIONS SHOULD TAKE PLACE UNTIL GRASSES ARE FIRMLY ESTABLISHED. WHERE MULCH IS USED IN CONJUNCTION WITH ORNAMENTAL PLANTINGS, INSPECT PERIODICALLY THROUGHOUT THE YEAR TO DETERMINE IF MULCH IS MAINTAINING COVERAGE OF THE SOIL SURFACE; REPAIR AS NEEDED.

11. SOIL STABILIZATION BLANKETS & MATTING - ALL SOIL STABILIZATION BLANKETS AND MATTING SHOULD BE INSPECTED PERIODICALLY FOLLOWING INSTALLATION, PARTICULARLY AFTER RAINSTORMS TO CHECK FOR EROSION AND UNDERMINING. ANY DISLOCATION OR FAILURE SHOULD BE REPAIRED IMMEDIATELY. IF WASHOUTS OR BREAKAGE OCCURS, REINSTALL THE MATERIAL AFTER REPAIRING DAMAGE TO THE SLOPE OR DITCH. CONTINUE TO MONITOR THESE AREAS UNTIL WHICH TIME THEY BECOME PERMANENTLY STABILIZED; AT THAT TIME AN ANNUAL INSPECTIONS SHOULD BE ADEQUATE.

12. STREET CLEANING / SWEEPING - THE MAINTENANCE MEASURES ARE AS FOLLOWS: (12.1) EVALUATE ACCESS POINTS DAILY FOR SEDIMENT TRACKING; (12.2) WHEN TRACKED OR SPILLED SEDIMENT IS FOUND ON PAVED SURFACES, IT WILL BE REMOVED DAILY, DURING TIMES OF HEAVY TRACK-OUT, SUCH AS DURING RAINS, CLEANING MAY BE DONE SEVERAL TIMES THROUGHOUT THE DAY; (12.3) UNKNOWN SPILLS OR OBJECTS WILL NOT BE MIXED WITH THE SEDIMENT; AND (12.4) IF SEDIMENT IS MIXED WITH OTHER POLLUTANTS, IT WILL BE DISPOSED OF PROPERLY AT AN AUTHORIZED LANDFILL.

FINAL STABILIZATION:
THE CONTRACTOR IS RESPONSIBLE FOR ENSURING FINAL STABILIZATION OF THE ENTIRE SITE. FINAL STABILIZATION INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING:

ALL SOIL DISTURBING ACTIVITIES HAVE BEEN COMPLETED.

ALL EXPOSED SOILS HAVE BEEN UNIFORMLY STABILIZED WITH AT LEAST 70% VEGETATION COVERAGE.

PERMANENT STORM WATER MANAGEMENT SYSTEM(S) ARE CONSTRUCTED AND ARE OPERATING AS DESIGNED.

ALL DRAINAGE DITCHES, PONDS, AND ALL STORM WATER CONVEYANCE SYSTEMS HAVE BEEN CLEARED OF SEDIMENT AND STABILIZED WITH PERMANENT COVER TO PRECLUDE EROSION.

ALL TEMPORARY BMPS HAVE BEEN REMOVED AND PROPERLY DISPOSED OF.

INSPECTION AND MAINTENANCE:
ALL INSPECTIONS, MAINTENANCE, REPAIRS, REPLACEMENTS, AND REMOVAL OF BMPS IS TO BE CONSIDERED INCIDENTAL TO THE BMP BID ITEMS.

THE CONTRACTOR IS RESPONSIBLE FOR COMPLETING SITE INSPECTIONS, AND BMP MAINTENANCE TO ENSURE COMPLIANCE WITH THE PERMIT REQUIREMENTS.

THE CONTRACTOR SHALL INSPECT THE CONSTRUCTION SITE ONCE EVERY 7 DAYS DURING ACTIVE CONSTRUCTION AND WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN 0.5 INCHES IN 24 HOURS.

THE CONTRACTOR SHALL DOCUMENT A WRITTEN SUMMARY OF ALL INSPECTIONS AND MAINTENANCE ACTIVITIES CONDUCTED WITHIN 24 HOURS OF OCCURRENCE. RECORDS OF EACH ACTIVITY SHALL INCLUDE THE FOLLOWING:

- DATE AND TIME OF INSPECTIONS;
- NAME OF PERSON(S) CONDUCTING INSPECTION;
- FINDINGS AND RECOMMENDATIONS FOR CORRECTIVE ACTIONS IF NECESSARY;
- CORRECTIVE ACTIONS TAKEN, DATE AND AMOUNT OF RAINFALL EVENTS;
- POINTS OF DISCHARGE OBSERVED DURING INSPECTION AND DESCRIPTION OF THE DISCHARGE
- AMENDMENTS MADE TO THE SWPPP.

THE CONTRACTOR SHALL SUBMIT A COPY OF THE WRITTEN INSPECTIONS TO THE ENGINEER AND OWNER ON A MONTHLY BASIS. IF MONTHLY INSPECTION REPORTS ARE NOT SUBMITTED, MONTHLY PAYMENTS MAY BE HELD.

THE CONTRACTOR SHALL KEEP THE SWPPP, ALL INSPECTION REPORTS, AND AMENDMENTS ONSITE. THE CONTRACTOR SHALL DESIGNATE A SPECIFIC ONSITE LOCATION TO KEEP THE RECORDS.

THE CONTRACTOR IS RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF TEMPORARY AND PERMANENT WATER QUALITY BMP'S, AS WELL AS EROSION AND SEDIMENT CONTROL BMP'S.

THE CONTRACTOR SHALL INSPECT EROSION PREVENTION AND SEDIMENTATION CONTROL BMPS TO ENSURE INTEGRITY AND EFFECTIVENESS. ALL NONFUNCTIONAL BMPS SHALL BE REPAIRED, REPLACED, OR SUPPLEMENTED WITH FUNCTIONAL BMPS WITHIN 24 HOURS OF FINDING. THE CONTRACTOR SHALL INVESTIGATE AND COMPLY WITH THE FOLLOWING INSPECTION AND MAINTENANCE REQUIREMENTS:

PERIMETER CONTROL DEVICES, INCLUDING SILT FENCE SHALL BE REPAIRED, OR REPLACED, WHEN THEY BECOME NONFUNCTIONAL OR THE SEDIMENT REACHES 1/3 OF THE DEVICE HEIGHT. THESE REPAIRS SHALL BE MADE WITHIN 24 HOURS OF DISCOVERY.

TEMPORARY AND PERMANENT SEDIMENT BASINS SHALL BE DRAINED AND THE SEDIMENT REMOVED WHEN THE DEPTH OF SEDIMENT COLLECTED IN THE BASIN REACHES THE STORAGE VOLUME. 12 THE STORAGE VOLUME, DRAINAGE AND REMOVAL MUST BE COMPLETED WITHIN 72 HOURS OF DISCOVERY.

SURFACE WATERS, INCLUDING DRAINAGE DITCHES AND CONVEYANCE SYSTEMS, MUST BE INSPECTED FOR EVIDENCE OF EROSION AND SEDIMENT DEPOSITION. THE CONTRACTOR SHALL REMOVE ALL DELTAS AND SEDIMENT DEPOSITED IN SURFACE WATERS, INCLUDING DRAINAGE WAYS, CATCH BASINS, AND OTHER DRAINAGE SYSTEMS. THE CONTRACTOR SHALL RE-STABILIZE THE AREAS WHERE SEDIMENT REMOVAL RESULTS IN EXPOSED SOIL. REMOVAL AND STABILIZATION MUST TAKE PLACE WITHIN 7 DAYS OF DISCOVERY, UNLESS PRECLUDED BY LEGAL, REGULATORY, OR PHYSICAL CONSTRAINTS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL LOCAL, REGIONAL, STATE AND FEDERAL AUTHORITIES AND OBTAIN ANY APPLICABLE PERMITS, PRIOR TO CONDUCTING ANY WORK IN SURFACE WATERS.

CONSTRUCTION SITE VEHICLE EXIT LOCATIONS SHALL BE INSPECTED DAILY FOR EVIDENCE OF SEDIMENT TRACKING ONTO PAVED SURFACES. TRACKED SEDIMENT MUST BE REMOVED FROM ALL PAVED SURFACES WITHIN 24 HOURS OF DISCOVERY.

IF SEDIMENT ESCAPES THE CONSTRUCTION SITE, OFF-SITE ACCUMULATIONS OF SEDIMENT MUST BE REMOVED IN A MANOR AND AT A FREQUENCY SUFFICIENT TO MINIMIZE OFF-SITE IMPACTS.

INFILTRATION AREAS SHALL BE INSPECTED FOR SIGNS OF SEDIMENTATION AND COMPACTION

POLLUTION PREVENTION MANAGEMENT MEASURES:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL POLLUTION PREVENTION MANAGEMENT MEASURES.

ALL POLLUTION PREVENTION MEASURES ARE CONSIDERED INCIDENTAL TO THE MOBILIZATION BID ITEM, UNLESS OTHERWISE NOTED.

THE CONTRACTOR IS RESPONSIBLE FOR INFORMING ALL VISITORS AND/OR PERSONNEL ON-SITE OF THE POLLUTION PREVENTION MANAGEMENT MEASURES. POLLUTION PREVENTION MANAGEMENT MEASURES INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:

THE CONTRACTOR IS RESPONSIBLE FOR THE PROPER DISPOSAL OF ALL HAZARDOUS MATERIALS, SOLID WASTE, AND PRODUCTS ON-SITE.

THE CONTRACTOR SHALL ENSURE BUILDING PRODUCTS THAT HAVE THE POTENTIAL TO LEACH POLLUTANTS ARE KEPT UNDER COVER TO PREVENT THE DISCHARGE OF POLLUTANTS.

THE CONTRACTOR SHALL ENSURE PESTICIDES, HERBICIDES, INSECTICIDES, FERTILIZERS, TREATMENT CHEMICALS, AND LANDSCAPE MATERIALS ARE COVERED TO PREVENT THE DISCHARGE OF POLLUTANTS.

THE CONTRACTOR SHALL ENSURE HAZARDOUS MATERIALS AND TOXIC WASTE IS PROPERLY STORED IN SEALED CONTAINERS TO PREVENT SPILLS, LEAKS, OR OTHER DISCHARGE. STORAGE AND DISPOSAL OF HAZARDOUS WASTE OR HAZARDOUS MATERIALS MUST BE IN COMPLIANCE WITH NPDES PERMIT AND NEBRASKA DEPARTMENT OF ENVIRONMENTAL QUALITY.

THE CONTRACTOR SHALL ENSURE ASPHALT SUBSTANCES USED ON-SITE SHALL ARE APPLIED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

THE CONTRACTOR SHALL ENSURE PAINT CONTAINERS AND CURING COMPOUNDS SHALL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT AND/OR CURING COMPOUNDS SHALL NOT BE DISCHARGED INTO THE STORM SEWER SYSTEM AND SHALL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURE'S INSTRUCTION.

THE CONTRACTOR SHALL ENSURE SOLID WASTE BE STORED, COLLECTED AND DISPOSED OF PROPERLY IN COMPLIANCE WITH NPDES PERMIT AND KANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY.

THE CONTRACTOR SHALL ENSURE POTABLE TOILETS ARE POSITIONED SO THAT THEY ARE SECURE AND WILL NOT BE TIPPED OR KNOCKED OVER. SANITARY WASTE MUST BE DISPOSED OF PROPERLY IN ACCORDANCE WITH NPDES PERMIT AND KANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY.

THE CONTRACTOR SHALL MONITOR ALL VEHICLES ON-SITE FOR LEAKS AND RECEIVE REGULAR PREVENTION MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE.

EXTERNAL WASHING OF TRUCKS AND OTHER CONSTRUCTION VEHICLES AND ENGINE DEGREASING ARE PROHIBITED AT THE CONSTRUCTION SITE.

THE CONTRACTOR SHALL ENSURE WASHOUT WASTE MUST CONTACT THE GROUND AND BE PROPERLY DISPOSED OF IN COMPLIANCE WITH NEBRASKA DEPARTMENT OF ENVIRONMENTAL QUALITY RULES.

THE CONTRACTOR SHALL INCLUDE SPILL KITS WITH ALL FUELING SOURCES AND MAINTENANCE ACTIVITIES. SECONDARY CONTAINMENT MEASURES SHALL BE INSTALLED AND MAINTAINED BY THE CONTRACTOR.

THE CONTRACTOR SHALL ENSURE SPILLS ARE CONTAINED AND CLEANED UP IMMEDIATELY UPON DISCOVERY. SPILLS LARGE ENOUGH TO REACH THE STORM WATER CONVEYANCE SYSTEM SHALL BE REPORTED.

DEWATERING AND BASIN DRAINING ACTIVITIES:
THE CONTRACTOR IS RESPONSIBLE FOR ADHERING TO ALL DEWATERING AND SURFACE DRAINAGE REGULATIONS.

WATER FROM DEWATERING ACTIVITIES SHALL DISCHARGE TO A TEMPORARY AND/OR PERMANENT SEDIMENT BASIN.

IF WATER CANNOT BE DISCHARGED TO A SEDIMENTATION BASIN, IT SHALL BE TREATED WITH OTHER APPROPRIATE BMPS, TO EFFECTIVELY REMOVE SEDIMENT.

DISCHARGE THAT CONTAINS OIL OR GREASE MUST BE TREATED WITH AN OIL-WATER SEPARATOR OR SUITABLE FILTRATION DEVICE PRIOR TO DISCHARGE.

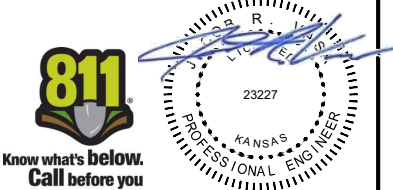
DISCHARGE POINTS SHALL BE PROTECTED FROM EROSION AND SCOUR.

DISCHARGE WATER SHALL BE DISPERSED OVER AN ACCEPTED ENERGY DISSIPATION MEASURE.

WATER FROM DEWATERING SHALL BE DISCHARGED IN A MANNER THAN DOES NOT CAUSE NUISANCE CONDITIONS, EROSION, OR INUNDATION OF WETLANDS.

BACKWASH WATER USED FOR FILTERING SHALL BE HAULED AWAY FOR DISPOSAL, RETURNED TO THE BEGINNING OF TREATMENT PROCESS, OR INCORPORATED INTO THE SITE IN A MANNER THAT DOES NOT CAUSE EROSION. THE CONTRACTOR SHALL REPLACE AND CLEAN FILTER MEDIAS USED IN DEWATERING DEVICES WHEN REQUIRED TO MAINTAIN ADEQUATE FUNCTION.

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SWPPP SUMMARY/OVERVIEW:

THIS STORM WATER POLLUTION PREVENTION PLAN (SWPPP) HAS BEEN DEVELOPED TO ADDRESS THE REQUIREMENTS OF NPDES PERMIT. THIS SWPPP INCLUDES PLAN SHEETS THAT DESCRIBE THE TEMPORARY AND PERMANENT STORM WATER MANAGEMENT PLAN FOR THE PROJECT.

THE IMPLEMENTATION SCHEDULE SHALL BE AS FOLLOWS:

- STEP 1. IMPLEMENT SEDIMENT CONTROL BMPs SHOWN ON THE SITE PREP PLANS THAT PROTECT THE RUNOFF FROM THE SITE AT THE IMPACT POINTS OR RUNOFF POINTS. THESE TYPICALLY WILL BE SILT FENCE ROWS, INLET PROTECTION BARRIERS AND DITCH CHECKS.
- STEP 2. ONCE THESE SEDIMENT CONTROL DEVICES ARE BUILT, CONSTRUCTION CAN BEGIN WITH THE FIRST PRIORITY BEING THE SEDIMENTATION BASINS. THESE BASINS SHOULD BE CONSTRUCTED PER PLAN AND PREVENT SEDIMENT FROM LEAVING THE SITE. SEDIMENT CONTROL DEVICES SHALL BE INSTALLED AT THESE SEDIMENTATION BASINS ONCE CONSTRUCTED.
- STEP 3. ONCE THE SEDIMENTATION BASINS ARE CONSTRUCTED, THE REMAINDER OF THE SITE WORK MAY BEGIN. ONCE AN AREA OF THE SITE IS COMPLETE ENOUGH TO ALLOW A BMP TO BE INSTALLED, THEN THAT BMP SHALL BE INSTALLED, MAINTAINED, AND MONITORED BY THE CONTRACTOR.
- STEP 4. ONCE THE SITE WORK IS COMPLETE OR MOSTLY COMPLETE, THE FINAL STABILIZATION BMPs SHALL BE IMPLEMENTED INCLUDING SEEDING, AND EROSION CONTROL BLANKET. SEDIMENTATION BASINS SHOULD BE CLEANED OUT AND SHAPED TO THE INTENDED PERMANENT DESIGN.

SEE TABLE BELOW FOR MORE GENERAL GUIDANCE ON CONSTRUCTION ACTIVITIES AND SCHEDULING:

CONSTRUCTION ACTIVITIES AND SCHEDULING:

1.	INSTALL ALL BMP'S NEEDED AND ASSOCIATED WITH THE GRADING PHASE SUCH AS STABILIZED CONSTRUCTION ENTRANCES, SILT FENCE, AND INLET PROTECTIONS.	PRIOR TO ANY STRIPPING OF EXISTING VEGETATION OR GRADING.
2.	PROCEED WITH STRIPPING OF EXISTING VEGETATION AND GRADING IN ACCORDANCE WITH THE GRADING PLAN, WHILE DISTURBING NO MORE THAN NECESSARY.	AFTER INSTALLING ALL BMP'S NEEDED AND ASSOCIATED WITH THE GRADING PHASE. FURTHERMORE, INSPECTOR APPROVAL MUST BE OBTAINED BEFORE THE START OF ANY STRIPPING OF EXISTING VEGETATION OR GRADING.
3.	PROCEED WITH INFRASTRUCTURE INSTALLATION.	INFRASTRUCTURE INSTALLATION MUST OCCUR PRIOR TO ANY LOT DEVELOPMENT.
4.	IMPLEMENT THE INSTALLATION OF TEMPORARY SEEDING, PERMANENT SEEDING, AND/OR MULCHING.	STABILIZATION MEASURES MUST BE INITIATED AS SOON AS POSSIBLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
5.	IMPLEMENT THE INSTALLATION ALL BMP'S NEEDED AND ASSOCIATED WITH THE BUILDING PHASE.	BUILDING PHASE BMP'S MUST BE INSTALLED CONCURRENTLY WITH LOT DEVELOPMENT.
6.	PROCEED WITH REMOVAL OF BMP'S.	BMP'S MAY NOT BE REMOVED UNTIL EACH IMPACTED DRAINAGE BASIN HAS BEEN FULLY DEVELOPED. FULL DEVELOPMENT SHALL MEAN INSTALLATION OF PAVEMENT, BUILDINGS, AND UTILITIES, LANDSCAPING, AND FULLY ESTABLISHED PERMANENT SEEDING. FURTHERMORE, INSPECTOR APPROVAL MUST BE OBTAINED BEFORE THE REMOVAL OF ANY BMP'S.

KNOWLEDGEABLE PERSON/CHAIN OF RESPONSIBILITY
THE CONTRACTOR SHALL IDENTIFY A PERSON KNOWLEDGEABLE AND EXPERIENCED IN THE APPLICATION OF EROSION PREVENTION AND SEDIMENT CONTROL BMPs WHO WILL COORDINATE WITH ALL CONTRACTORS, SUBCONTRACTORS, AND OPERATORS ON-SITE TO OVERSEE THE IMPLEMENTATION OF THE SWPPP.

CONTRACTOR	TBD
CONTACT	X
PHONE	X
EMAIL	X

THE CONTRACTOR SHALL ESTABLISH A CHAIN OF RESPONSIBILITY FOR ALL CONTRACTORS AND SUB-CONTRACTORS ON SITE TO ENSURE THE SWPPP IS BEING PROPERLY IMPLEMENTED AND MAINTAINED. THE CONTRACTOR SHALL PROVIDE THE CHAIN OF RESPONSIBILITY TO THE OWNER AND ATTACH TO THE SWPPP PRIOR TO ANY CONSTRUCTION ACTIVITY.

GENERAL SWPPP RESPONSIBILITIES:
THE CONTRACTOR SHALL KEEP THE SWPPP, INCLUDING ALL AMENDMENTS AND INSPECTION AND MAINTENANCE RECORDS ON SITE DURING CONSTRUCTION.

THE SWPPP WILL BE AMENDED AS NEEDED AND/OR AS REQUIRED BY PROVISIONS OF THE PERMIT. PERMITTEES MUST AMEND THE SWPPP TO INCLUDE ADDITIONAL OR MODIFIED BMPs AS NECESSARY TO CORRECT PROBLEMS IDENTIFIED OR ADDRESS SITUATIONS WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, MAINTENANCE, WEATHER OR SEASONAL CONDITIONS HAVING A SIGNIFICANT EFFECT ON THE DISCHARGE OF POLLUTANTS TO SURFACE WATERS OR GROUNDWATER. AMENDMENTS WILL BE APPROVED BY BOTH THE OWNER AND CONTRACTOR AND WILL BE ATTACHED OR OTHERWISE INCLUDED WITH THE SWPPP DOCUMENTS. THE SWPPP AMENDMENTS SHALL BE INITIATED, FACILITATED, AND PROCESSED BY THE CONTRACTOR.

THE CONTRACTOR SHALL DOCUMENT AMENDMENTS TO THE SWPPP AS A RESULT OF INSPECTION(S) WITHIN 7 DAYS

BOTH THE OWNER AND CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER TERMINATION AND/OR TRANSFER OF THE PERMIT.

LONG TERM OPERATION AND MAINTENANCE
THE OWNER WILL BE RESPONSIBLE OR WILL OTHERWISE IDENTIFY WHO WILL BE RESPONSIBLE FOR THE LONG TERM OPERATION AND MAINTENANCE OF THE PERMANENT STORMWATER MANAGEMENT SYSTEM(S).

THE OWNER WILL PREPARE AND IMPLEMENT A PERMANENT STORMWATER TREATMENT SYSTEM(S) MAINTENANCE PLAN.

- GENERAL NOTES
1. ALL OPERATORS/CONTRACTORS MUST CONFIRM WITH THE APPLICANT THAT ANY AND ALL APPLICABLE GOVERNMENTAL APPROVALS HAVE BEEN RECEIVED PRIOR TO THE START OF WORK.
2. BMP'S MAY NOT BE REMOVED WITHOUT INSPECTOR AND APPLICABLE GOVERNMENTAL APPROVAL.
3. THE APPLICANT, INSPECTOR, AND CONTRACTORS/OPERATORS MUST ADHERE TO ALL GOOD HOUSEKEEPING BMP'S PRESENTED WITHIN THE WICHITA/SEDGWICK COUNTY STORMWATER MANUAL GOOD HOUSEKEEPING BMP'S FOCUS ON KEEPING THE WORK SITE CLEAN AND ORDERLY WHILE HANDLING MATERIALS AND WASTE IN A MANNER THAT ELIMINATES THE POTENTIAL FOR POLLUTANT RUNOFF. GOOD HOUSEKEEPING BMP'S SUCH AS SANITARY WASTE MANAGEMENT, SOLID WASTE MANAGEMENT, MATERIAL DELIVERY & STORAGE, STREET CLEANING / SWEEPING, AND VEHICLE & EQUIPMENT FUELING MUST BE ADDRESSED WHEN APPLICABLE. THE AFOREMENTIONED PUBLICATION CAN BE FOUND AT <https://www.wichita.gov/PWU/Pages/Regulations.aspx>.
4. THE SWPPP DOCUMENTS ARE ESSENTIAL AND A REQUIREMENT IN ONE PART IS AS BINDING AS THOUGH OCCURRING IN ALL. THE SWPPP DOCUMENTS ARE COMPLEMENTARY. THE DOCUMENTS DESCRIBE AND PROVIDE THE COMPLETE SWPPP. THE APPLICANT, INSPECTOR, AND/OR CONTRACTORS/OPERATORS MAY NOT TAKE ADVANTAGE OF ANY APPARENT SWPPP ERRORS OR OMISSIONS. THE INSPECTOR SHALL NOTIFY THE APPLICANT, DESIGNER, AND CONTRACTORS/OPERATORS PROMPTLY OF ANY OMISSIONS OR ERRORS. THE APPLICANT SHALL INSTRUCT THE DESIGNER TO MAKE ANY CORRECTIONS NECESSARY TO FULFILL THE OVERALL INTENT OF THE SWPPP DOCUMENTS (E.G., GRADING PERMIT MODIFICATION FORM). IN THE CASE OF A DISCREPANCY BETWEEN PARTS OF THE SWPPP DOCUMENTS, THE MOST STRINGENT REQUIREMENT SHALL RULE.

RECEIVING WATER(S) WITHIN ONE MILE FROM PROJECT BOUNDARIES:

ID	NAME	TYPE	IMPAIRED WATER?	TMDL
-	LITTLE ARKANSAS RIVER	RIVER	NO	NO

SITE SOIL INFORMATION:
(SOIL INFORMATION PROVIDED IS FOR NPDES PERMIT INFORMATION ONLY. SOIL INFORMATION WAS OBTAINED FROM THE USGS WEBSITE. THE CONTRACTOR SHALL NOT RELY ON THIS SOIL INFORMATION FOR CONSTRUCTION PURPOSES.)

SOIL NAME:	HYDROLOGIC CLASSIFICATION:
SILTY CLAY LOAM (70%) AND SILT LOAM (30%)	D - 65%, B - 35%

SITE INFORMATION:

<u>2/15/23</u>	<u>TBD</u>		
Estimated Start Date	KDHE NOI Number		
<u>PRAIRIE LAKES ADDITION</u>	<u>SOUTH OF THE INTERSECTION OF FORD STREET & DEXTER AVE.</u>		
Project Name	Address		
<u>PRAIRIE LAKES ADDITION</u>	<u>VALLEY CENTER</u>	<u>SEDGWICK</u>	
Subdivision Name	City	County	
<u>37.8251</u>	<u>-97.3542</u>	<u>KANSAS</u>	<u>67147</u>
Latitude	Longitude	State	Zip Code
Total Site Area (Acres):	55.16	Estimated Permit Duration (Months):	5
Disturbed Area (Acres):	46.31	Cut Volume (YD^3):	18,731
Undisturbed Area (Acres):	8.85	Fill Volume (YD^3):	14,378
Impervious Area Before Construction (%):	Runoff Coefficient Before Construction:		
Impervious Area After Construction (%):	Runoff Coefficient After Construction:		

ENGINEER:	SHORT ELLIOTT HENDRICKSON INC. (SEH)
CONTACT:	JAKE VASA
PHONE:	402.480.4096
EMAIL:	JVASA@SEHINC.COM

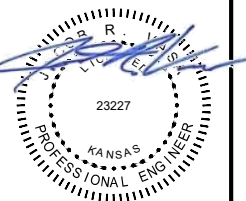
RELATED REVIEWS & PERMITS:
ENVIRONMENTAL, WETLAND, ENDANGERED OR THREATENED SPECIES, ARCHEOLOGICAL, LOCAL, STATE, AND/OFFEDERAL REVIEWS/PERMITS:

AGENCY:	TYPE OF PERMIT:
CTY OF VALLEY CENTER GRADING PERMIT	APPLICATION
KDHE NPDES PERMIT	APPLICATION

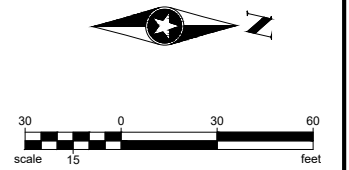
THE FOLLOWING DOCUMENTS ARE CONSIDERED PART OF THE SWPPP:
SITE PREP & FINAL STABILIZATION SHEETS
EROSION CONTROL NOTES

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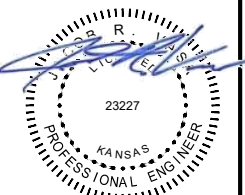
SANITARY SEWER PLAN & PROFILE PHASE III IMPROVEMENTS

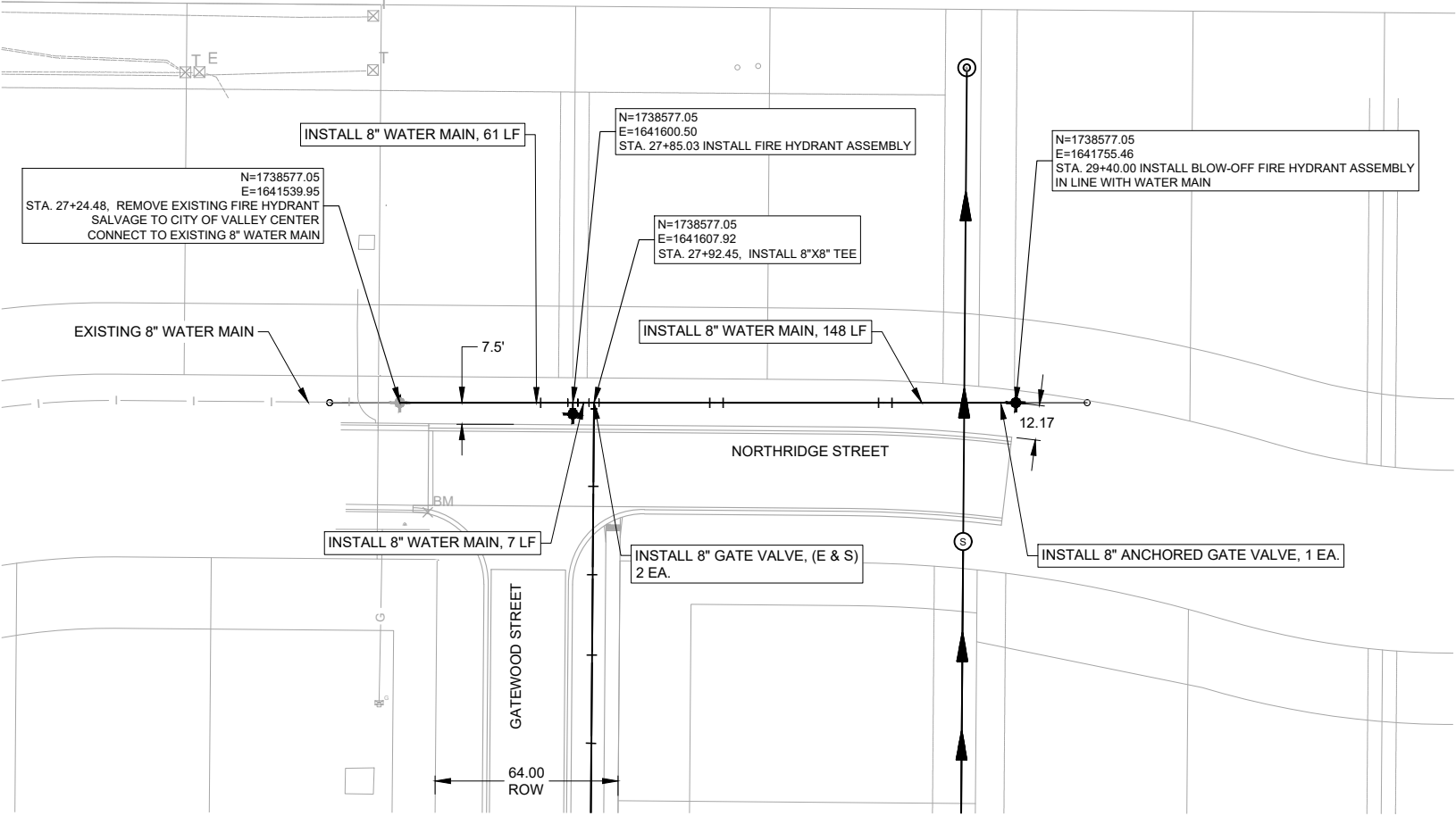
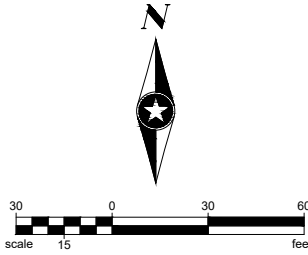


Profile view of the proposed 15-inch SDR35 PVC gravity sewer line. The profile shows the sewer line (solid line) and the existing ground surface (dashed line). The sewer line is shown in two segments: 143 LF 8-inch SDR-35 PVC @ 0.41% slope from station 8+00 to 9+39.52, and 166 LF 8-inch SDR-35 PVC @ 0.40% slope from station 9+39.52 to 11+05.38. The sewer line is shown with a vertical drop at station 9+39.52, indicating a manhole. The profile also shows the existing ground surface (dashed line) and the proposed 15-inch SDR35 PVC gravity sewer line (solid line). The profile includes labels for stationing, invert elevations, and pipe segments.

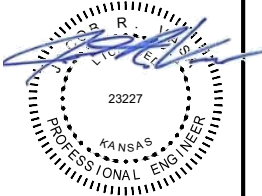
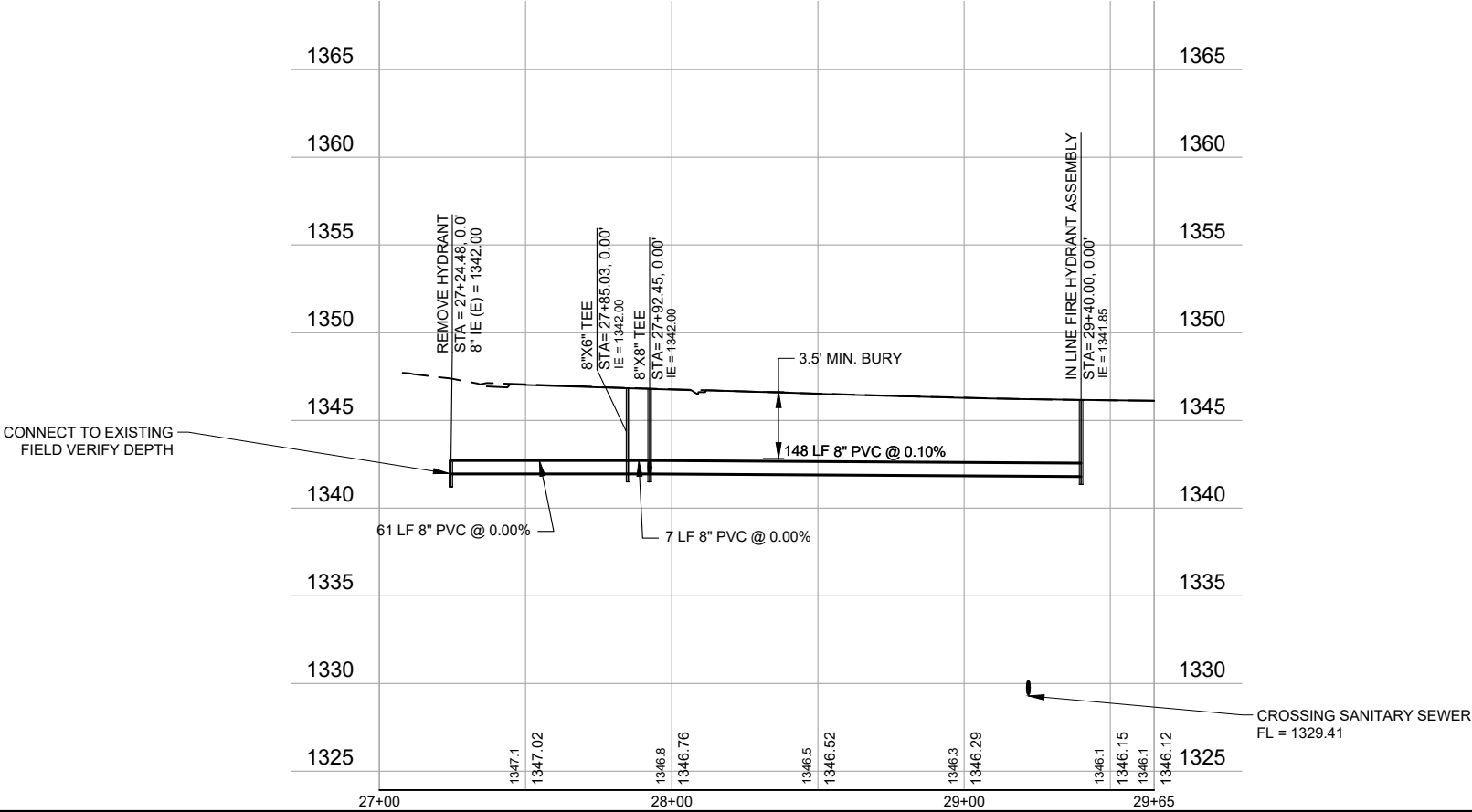
Station	Invert Elevation (ft)	Notes
8+00	1329.92	Start of 143 LF 8" SDR-35 PVC @ 0.41%
9+39.52	1329.62 (S)	Manhole location, STA = 9+39.52, TC = 1346.11
9+39.52	1329.62 (N)	Manhole location, STA = 9+39.52, TC = 1346.11
11+05.38	1328.95 (S)	End of 166 LF 8" SDR-35 PVC @ 0.40%, STA = 11+05.38, TC = 1345.51

EX FL 15" (E-2) = 1328.37
PR FL 8" (S) = 1328.95





NORTHBRIDGE STREET WATER MAIN



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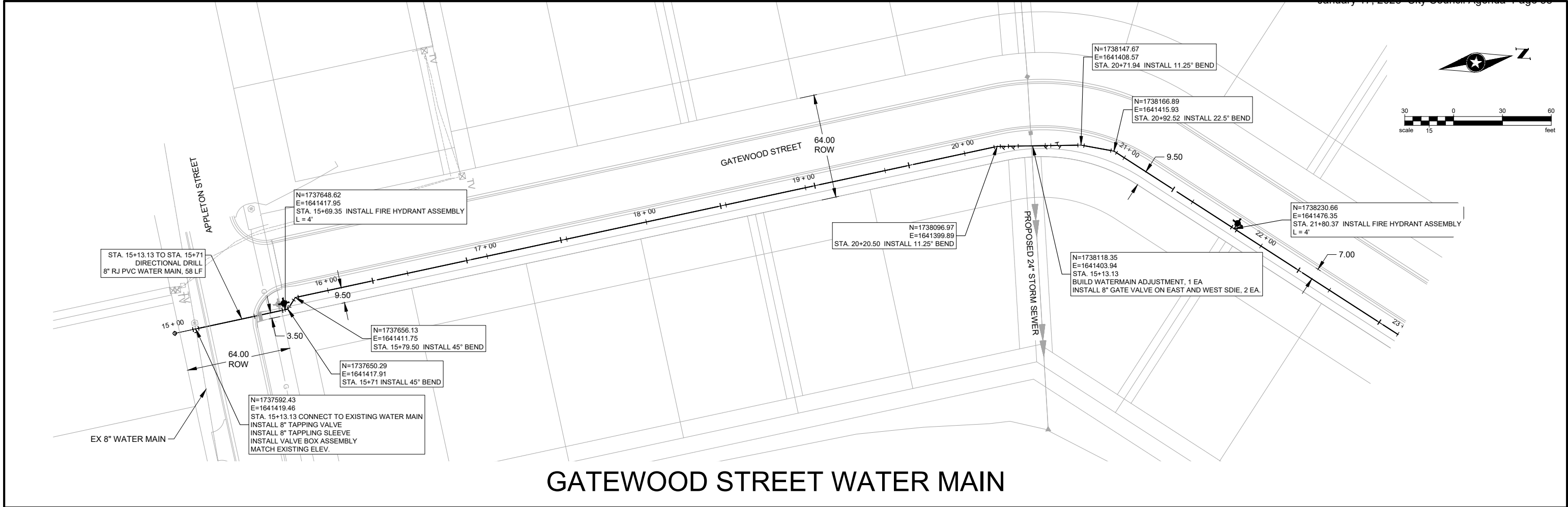
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Drawn By	-	.			.		
Designed By	-	.			.		
Checked By	-	.			.		



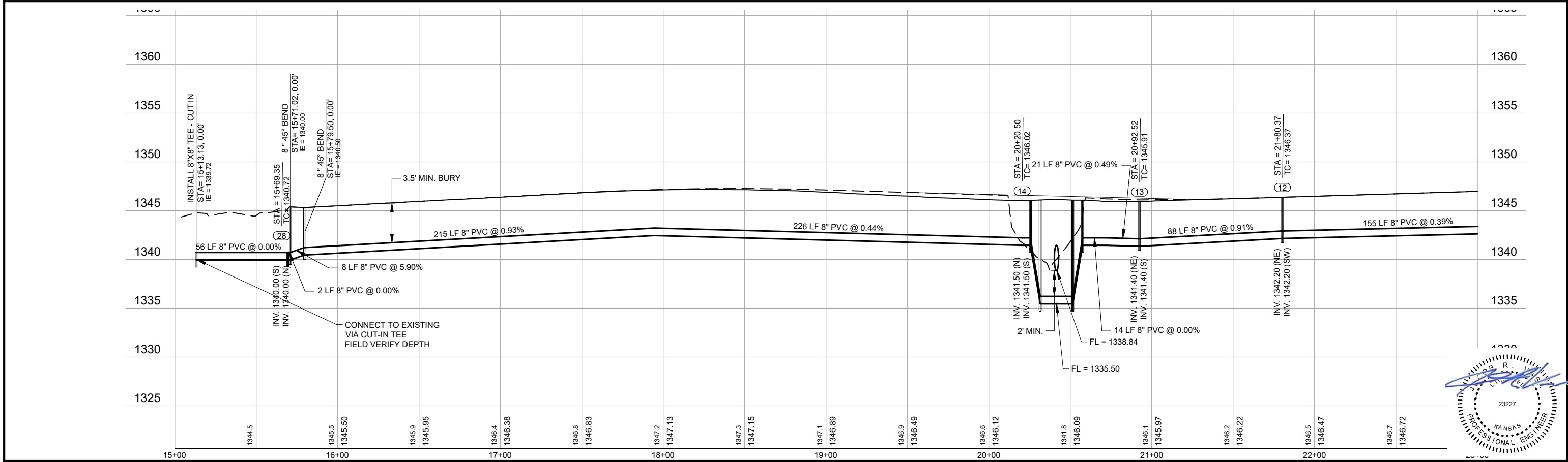
PRAIRIE LAKES ADDITION PHASE III
VALLEY CENTER, KANSAS

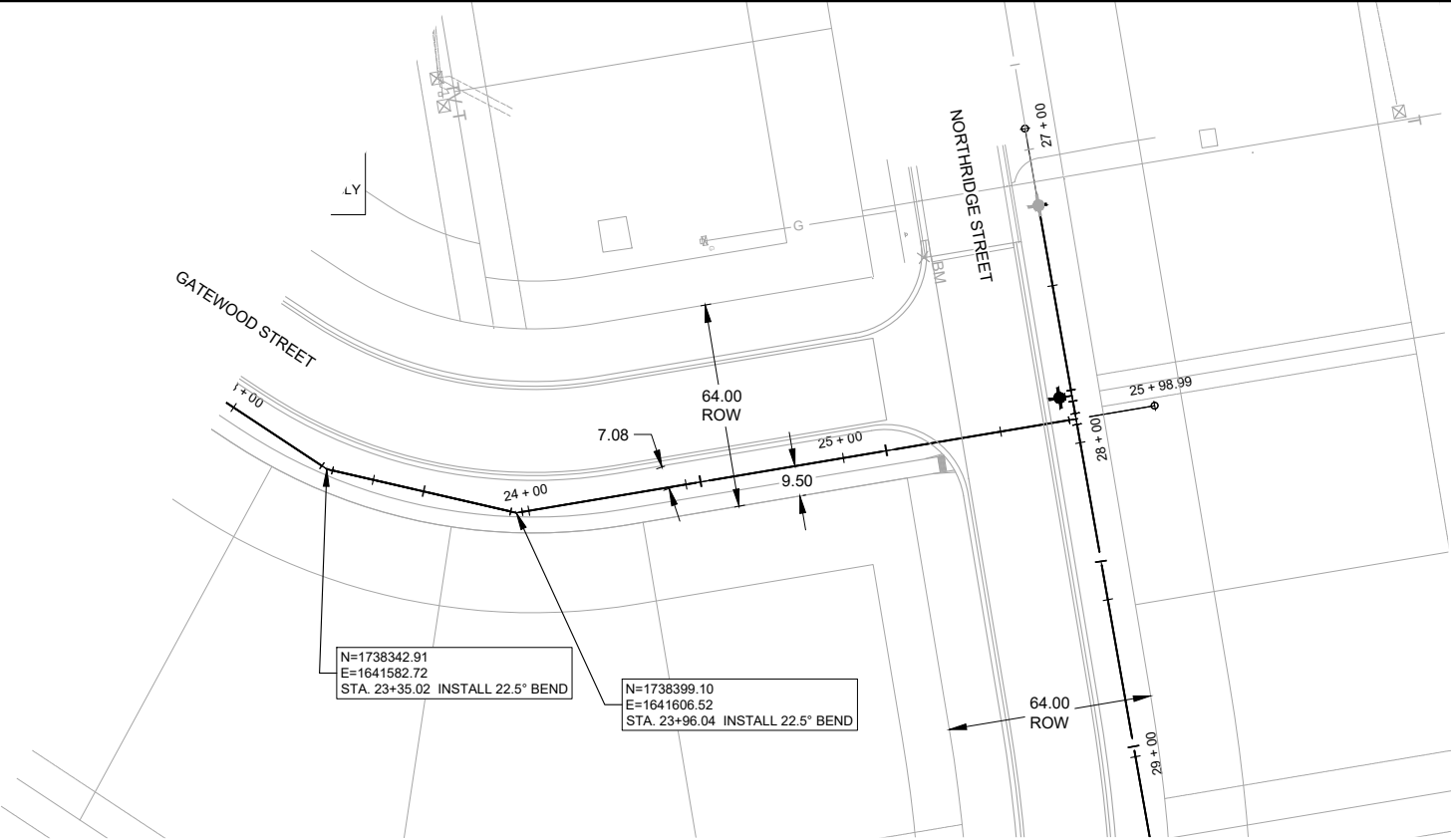
WATER MAIN PLAN & PROFILE
PHASE III IMPROVEMENTS

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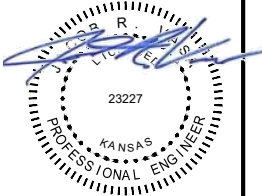
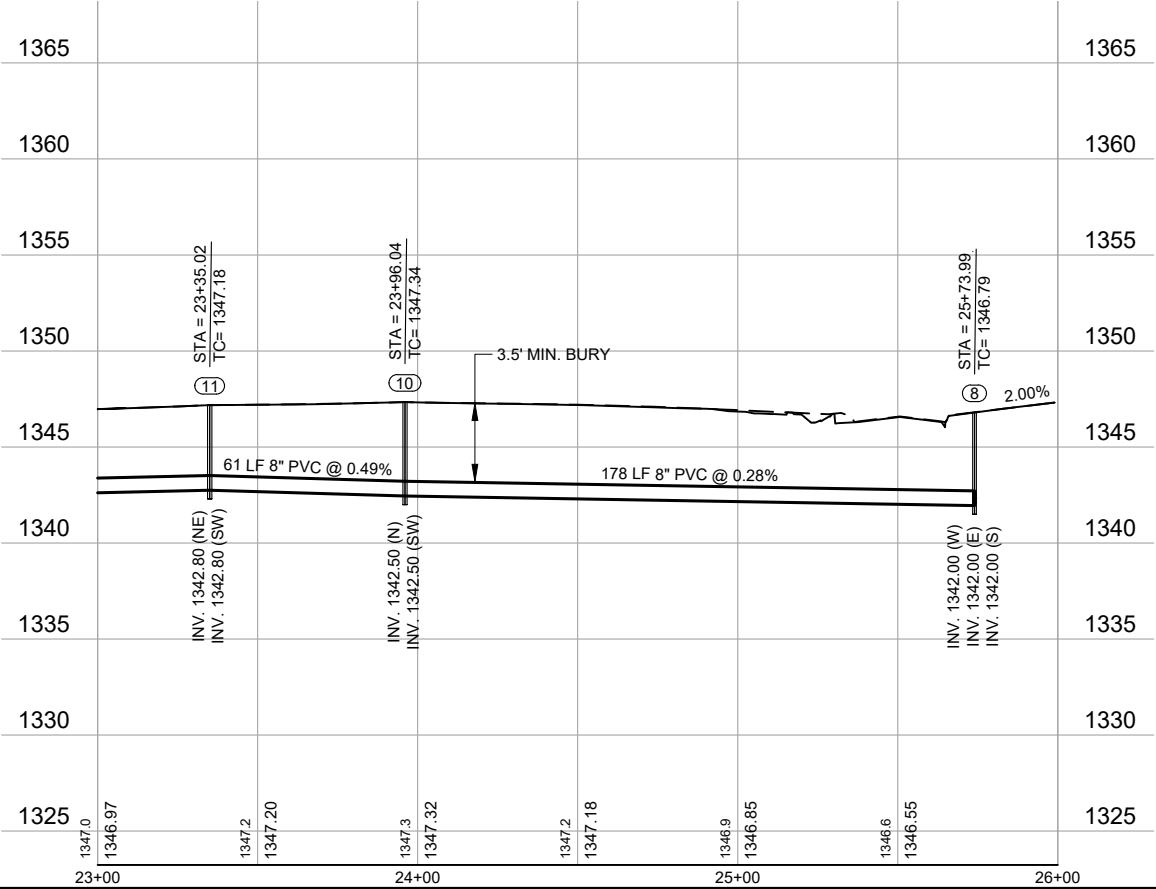


GATEWOOD STREET WATER MAIN





GATEWOOD STREET WATER MAIN



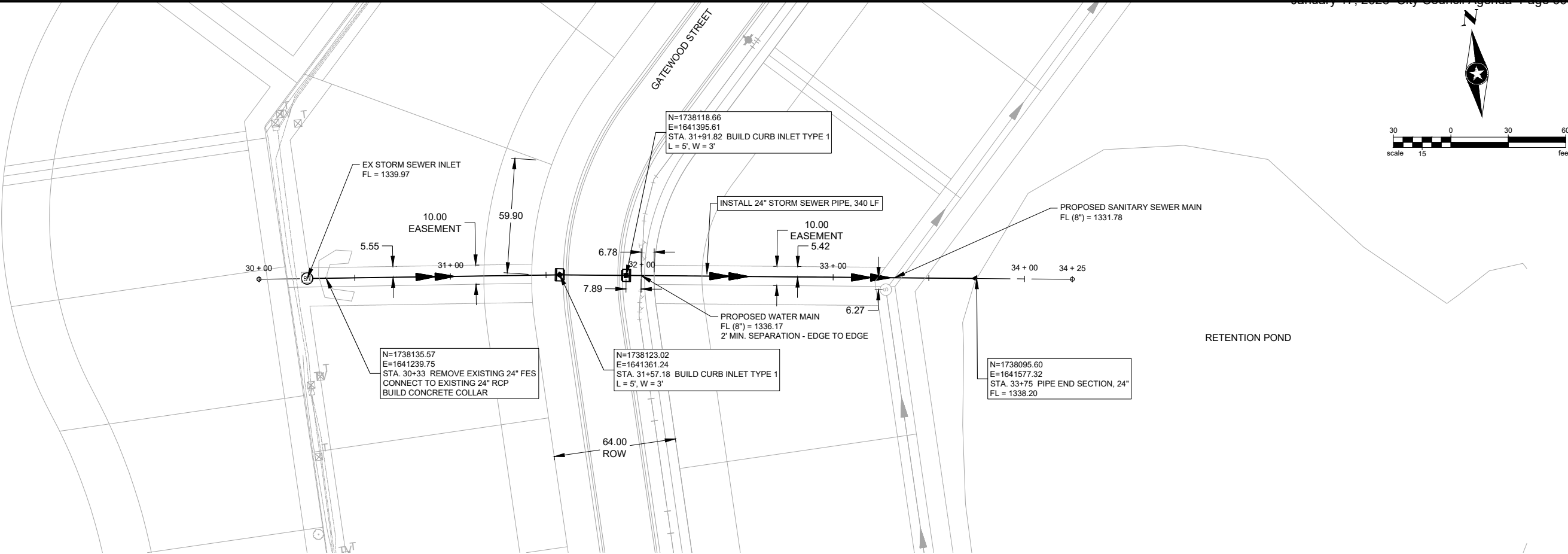
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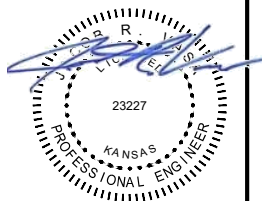
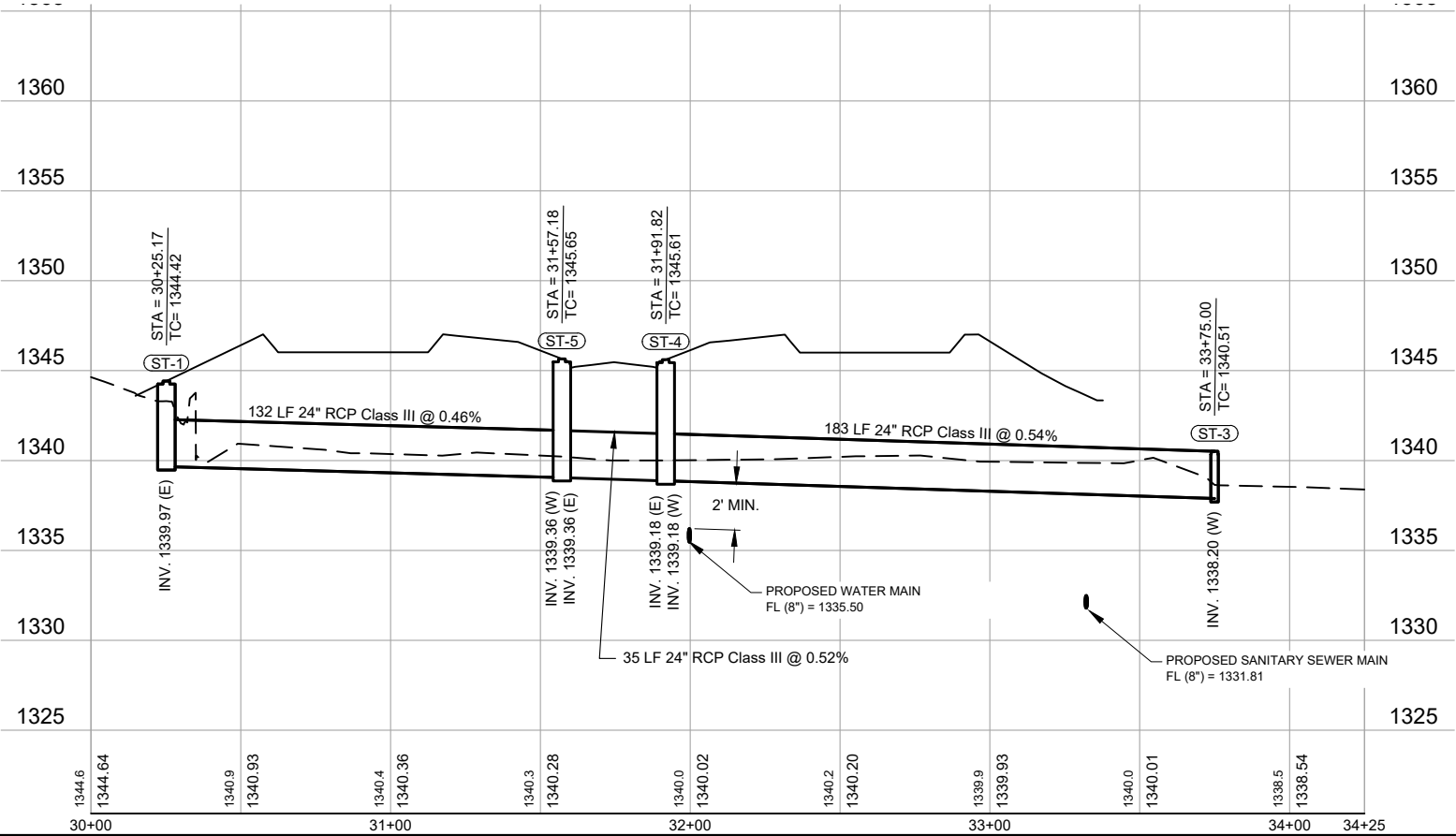


PRAIRIE LAKES ADDITION PHASE III
VALLEY CENTER, KANSAS

WATER MAIN PLAN & PROFILE
PHASE III IMPROVEMENTS



STORM SEWER PLAN & PROFILE



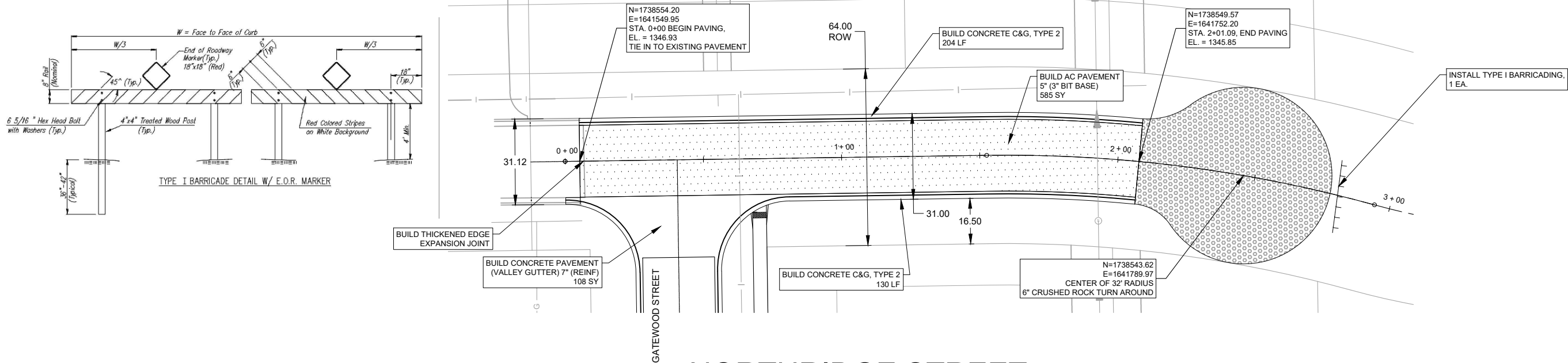
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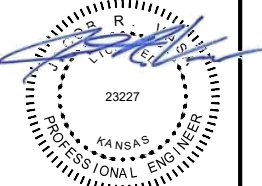
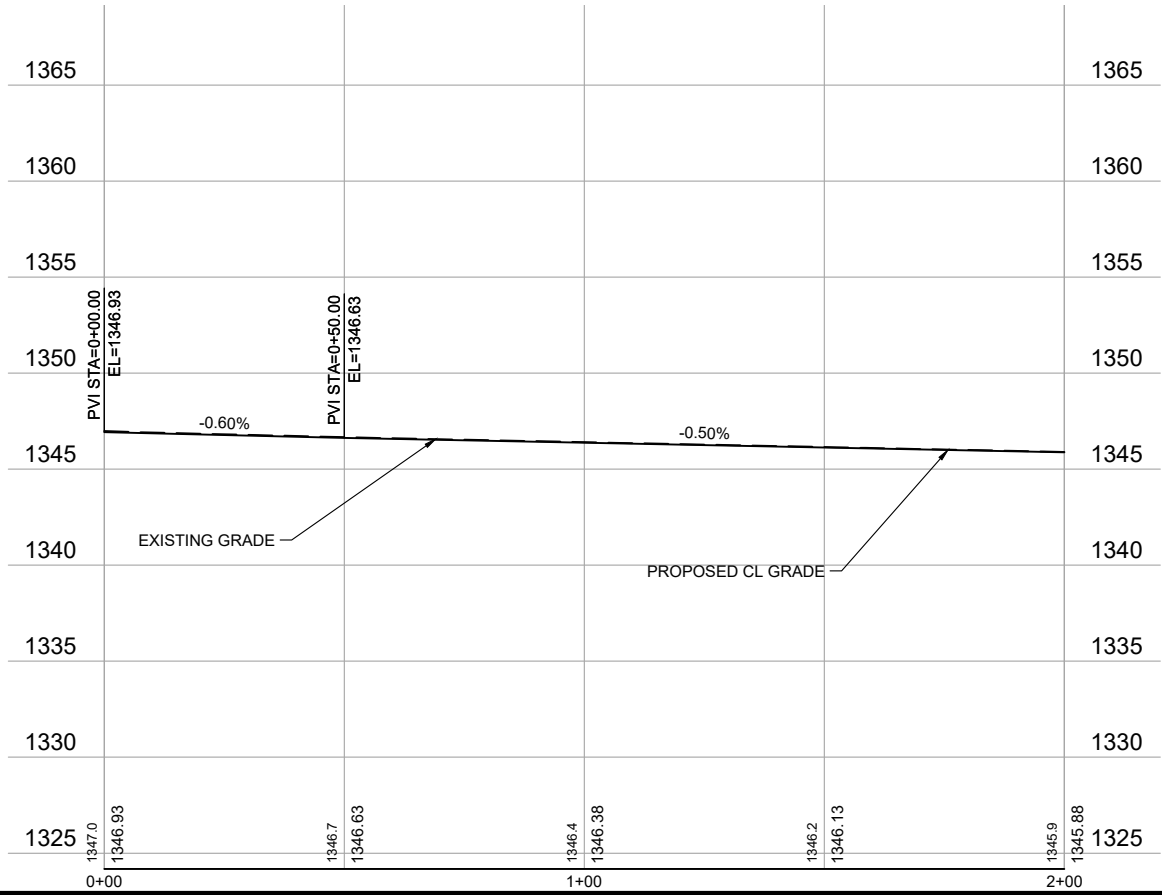


PRAIRIE LAKES ADDITION PHASE III
VALLEY CENTER, KANSAS

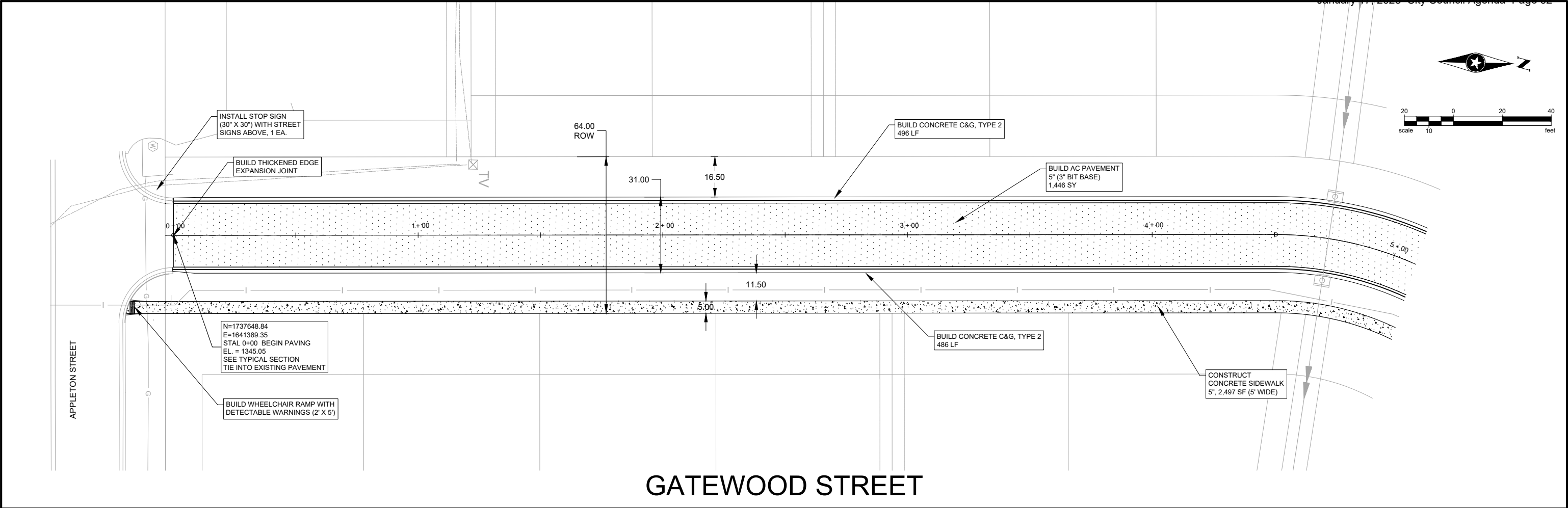
STORM SEWER PLAN & PROFILE
PHASE III IMPROVEMENTS



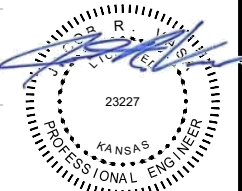
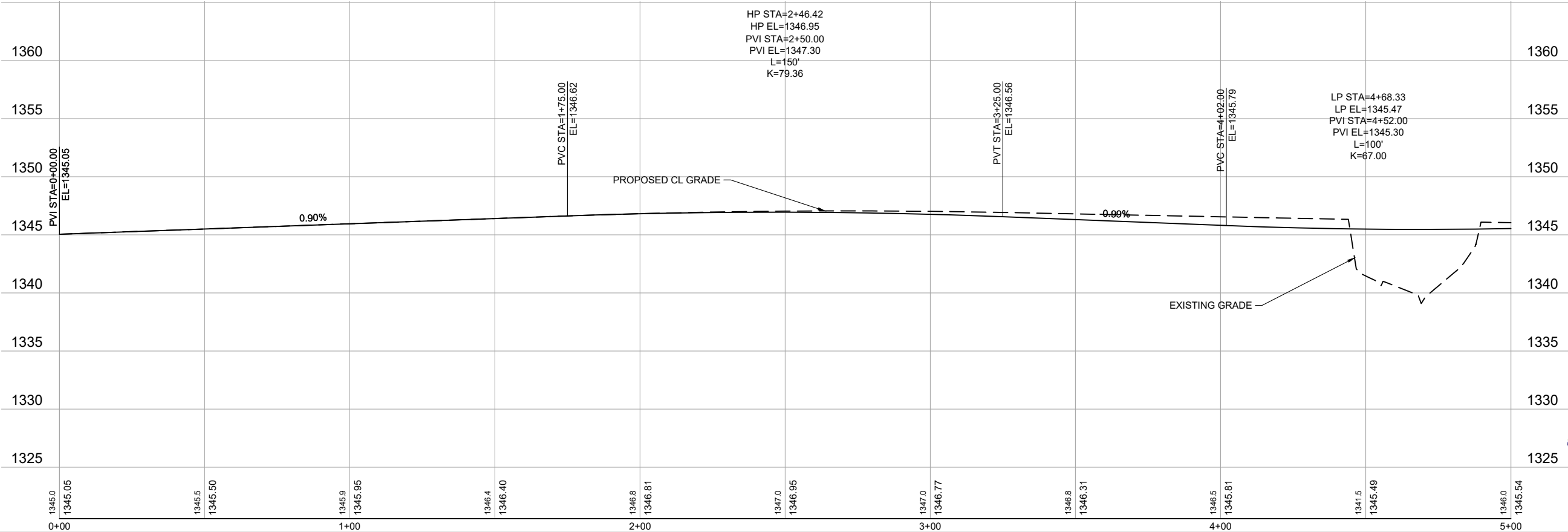
NORTHBRIDGE STREET



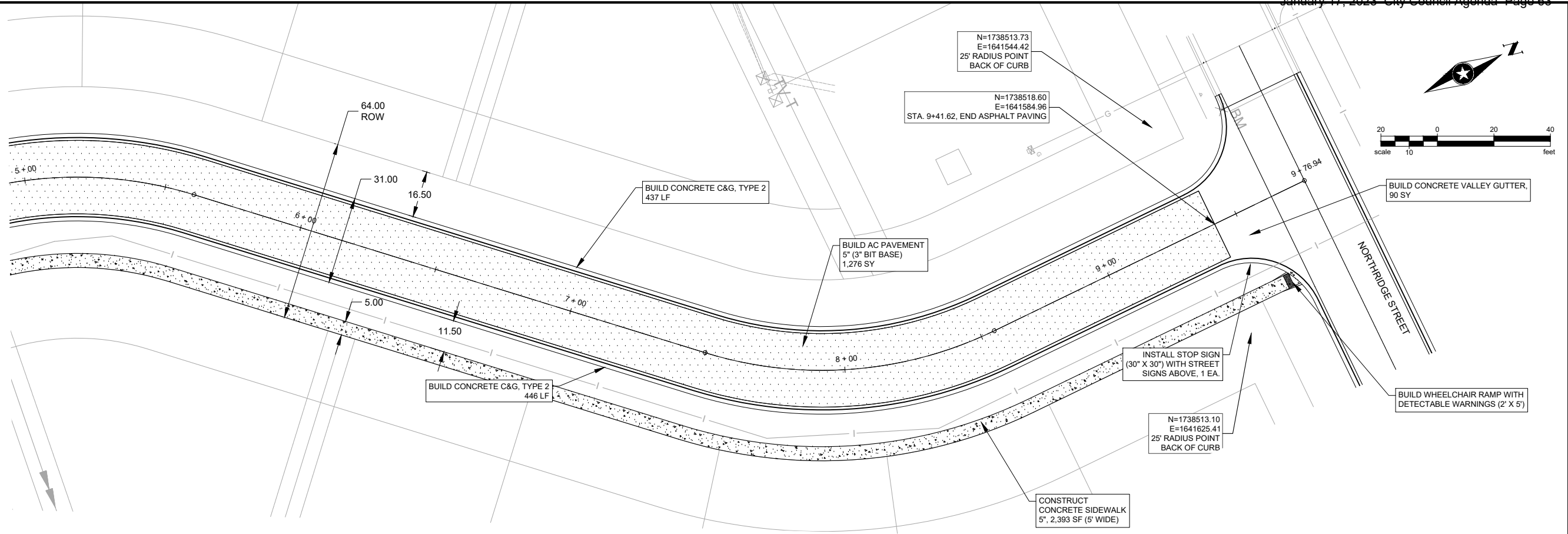
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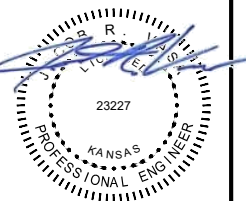
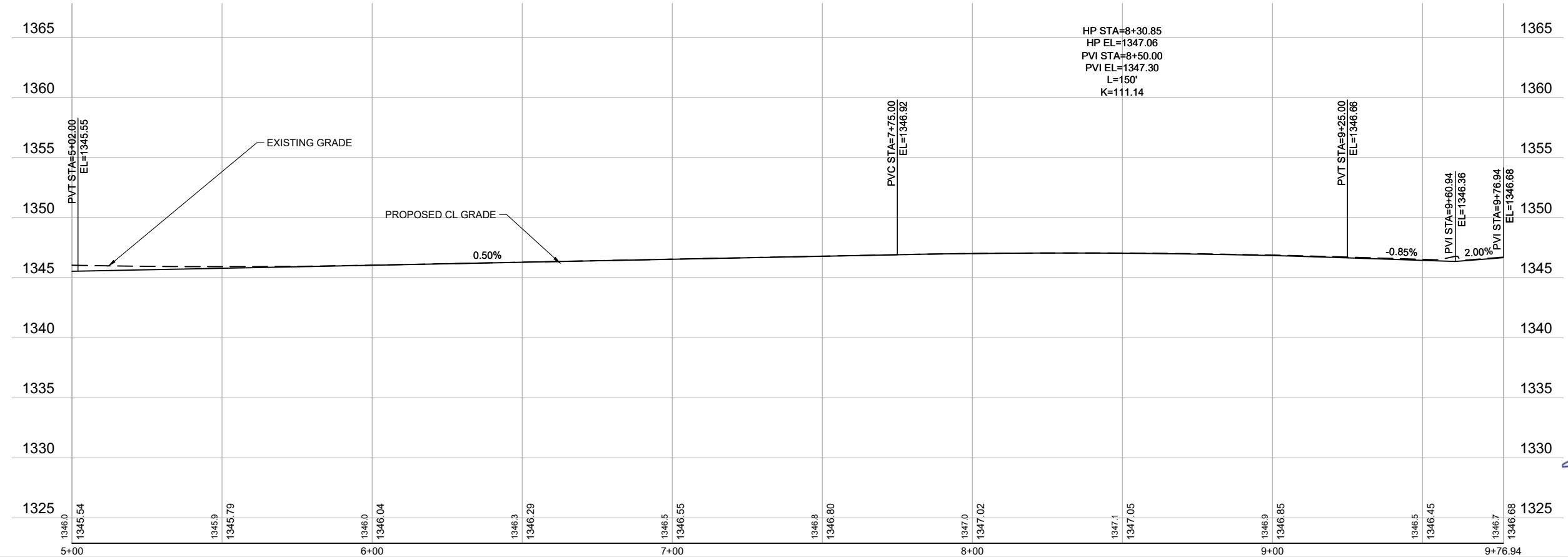
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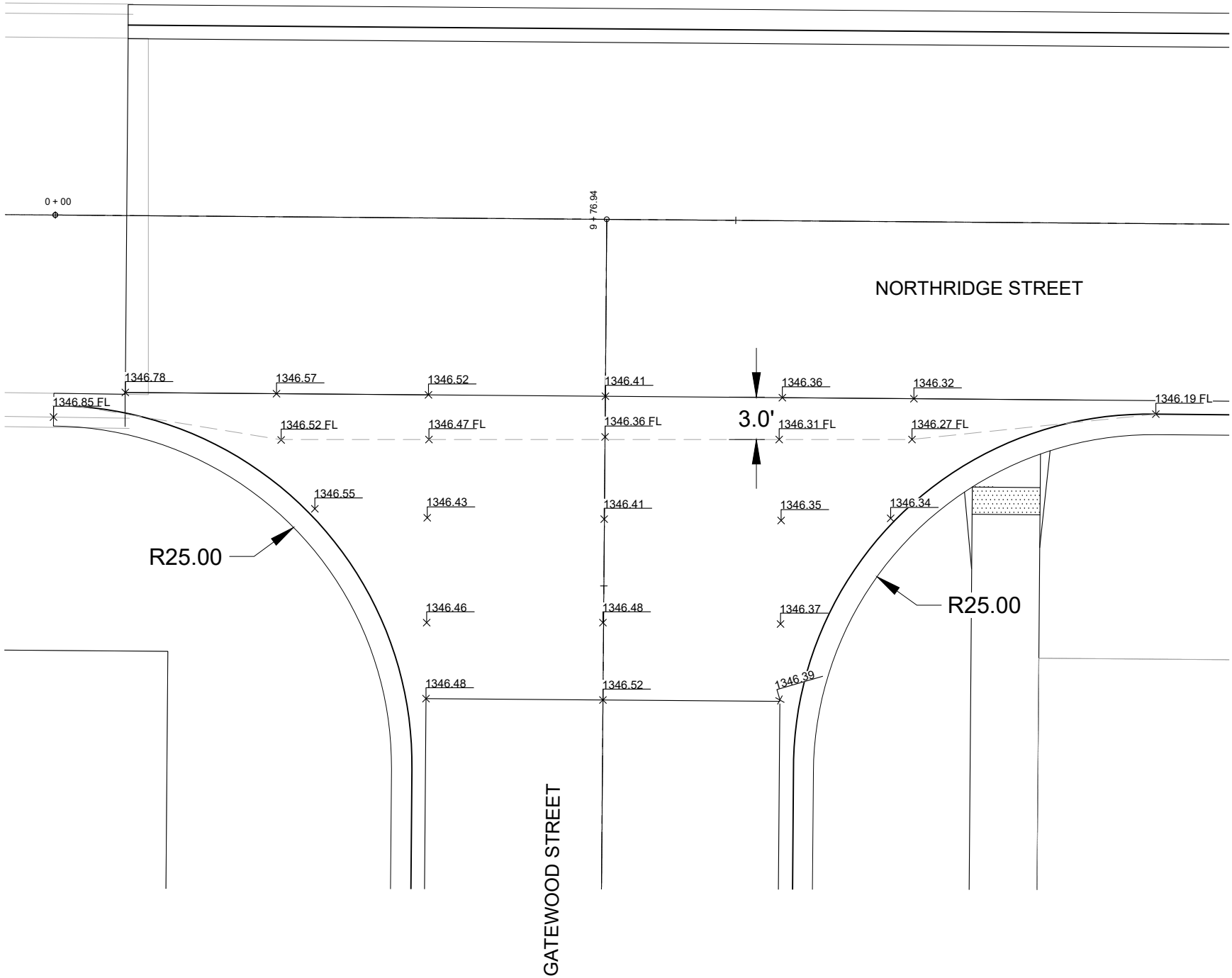
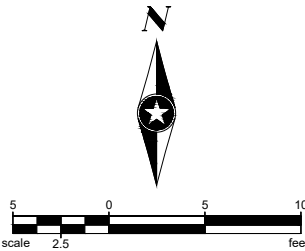
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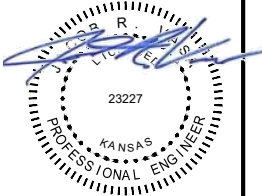
GATEWOOD STREET



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INTERSECTION DETAILS

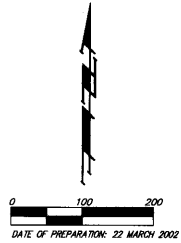
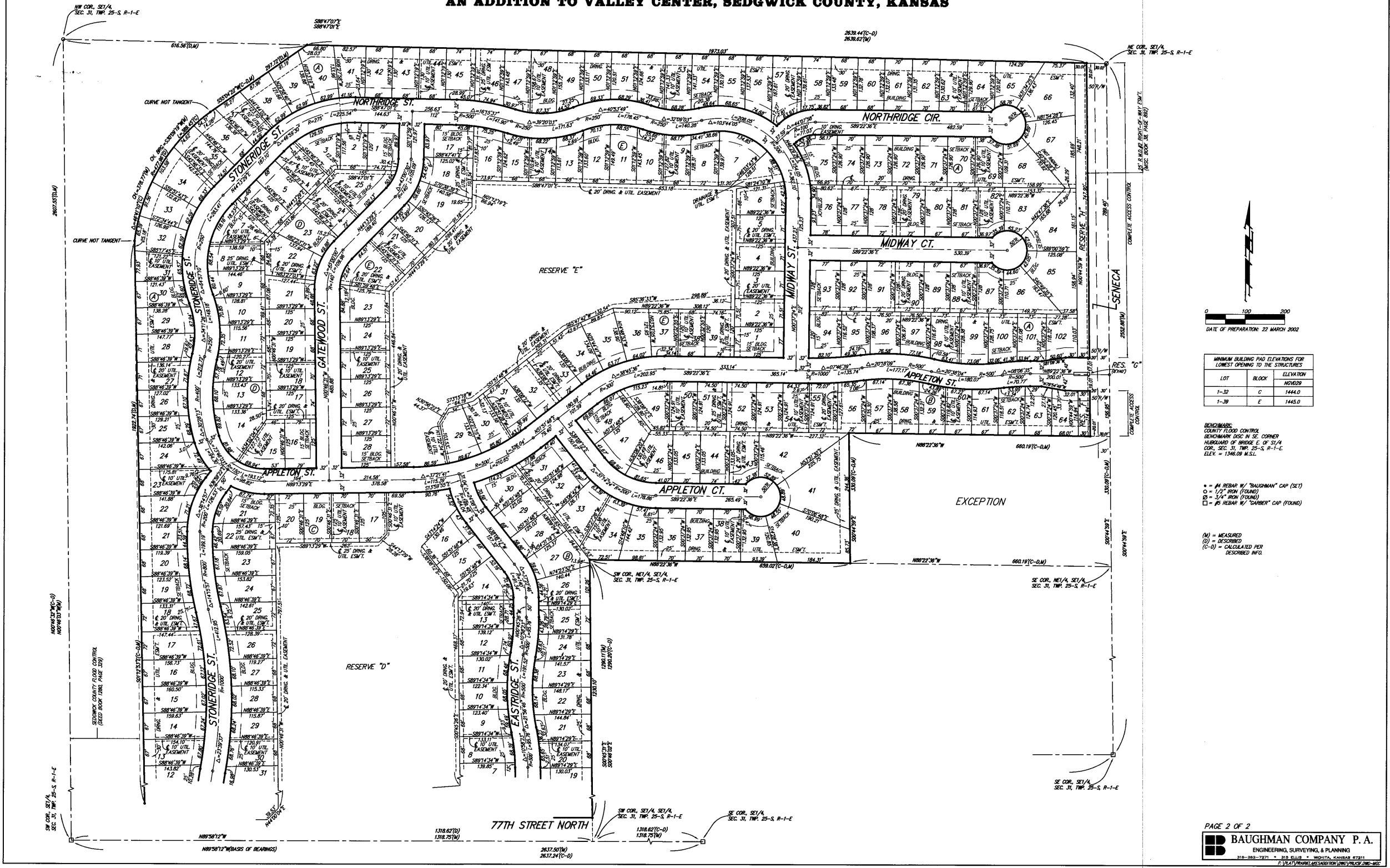


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PCI39-7B

PRAIRIE LAKES

AN ADDITION TO VALLEY CENTER, SEDGWICK COUNTY, KANSAS



DATE OF PREPARATION: 22 MARCH 2002

MINIMUM BUILDING PAD ELEVATIONS FOR LOWEST OPENING TO THE STRUCTURES		
LOT	BLOCK	ELEVATION
1-32	C	1444.0
1-39	E	1445.0

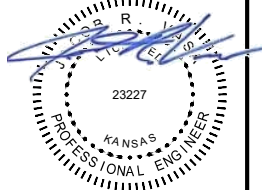
BENCHMARK:
COUNTY FLOOD CONTROL
BENCHMARK DISC IN SE CORNER
HUBBARD OF BRIDGE E OF ST 1/4
COR. SEC. 31, TWP. 25-S, R-1-E
ELEV. = 1346.08 M.S.L.

• = #4 REBAR W/ "BAUGHMAN" CAP (SET)
○ = 1/2" IRON (FOUND)
◊ = 3/4" IRON (FOUND)
◻ = #6 REBAR W/ "TAMBER" CAP (FOUND)

(M) = MEASURED
(D) = DESCRIBED
(C-D) = CALCULATED PER DESCRIBED INFO

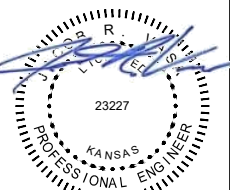
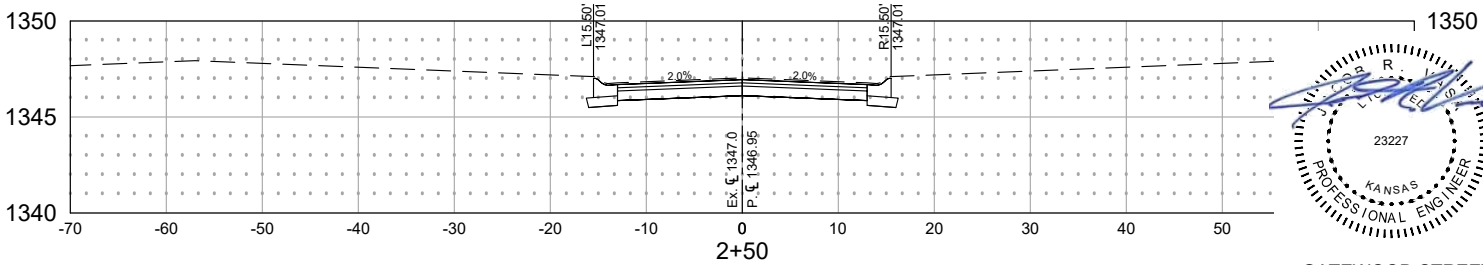
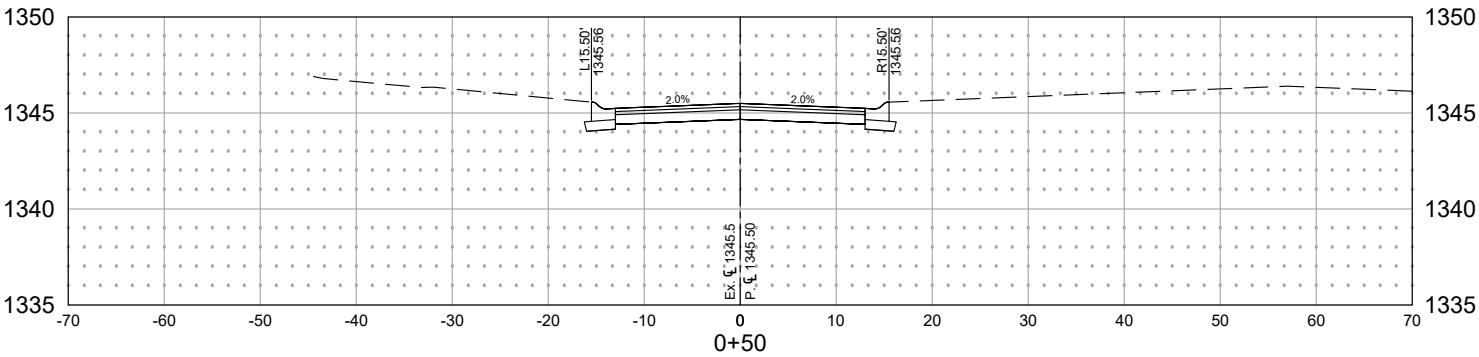
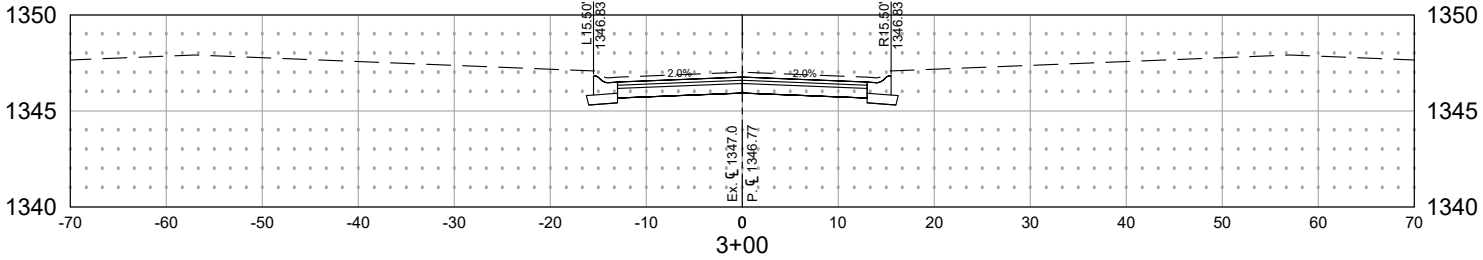
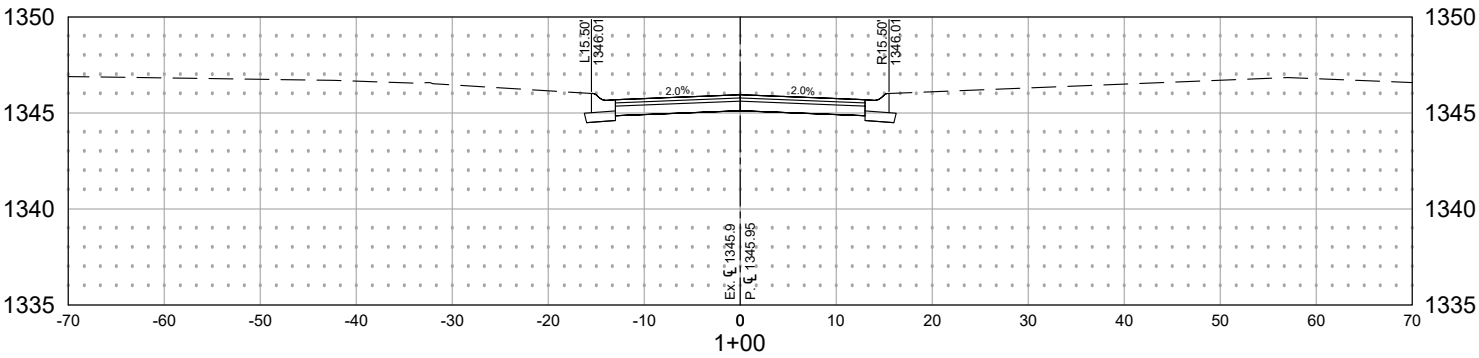
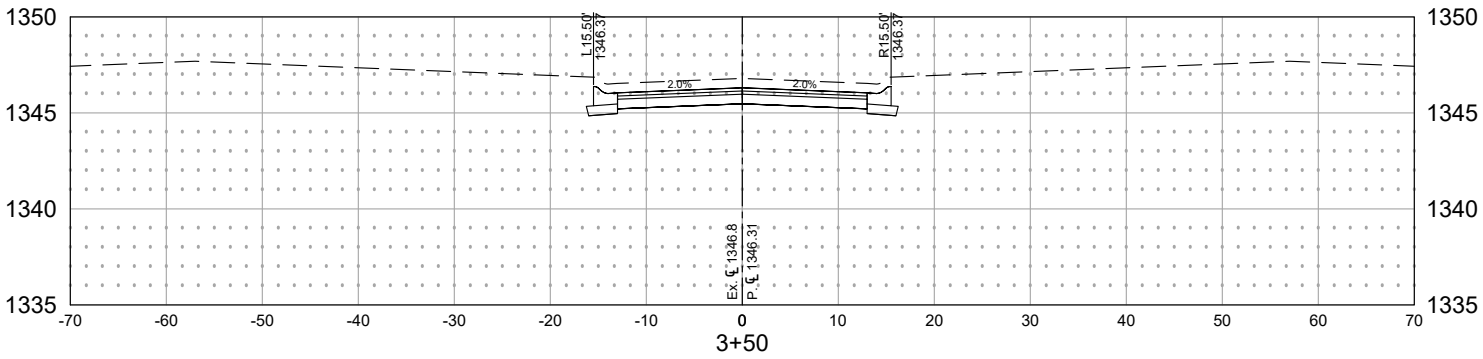
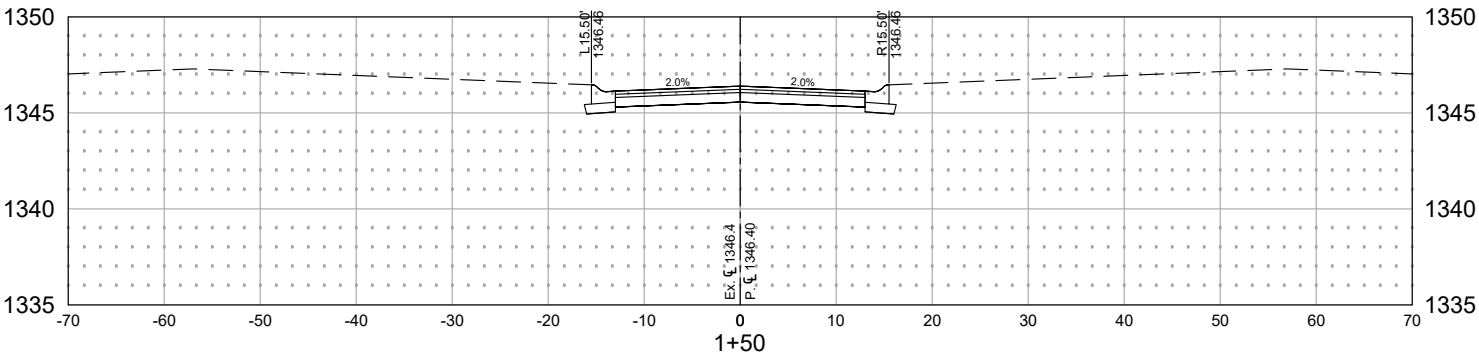
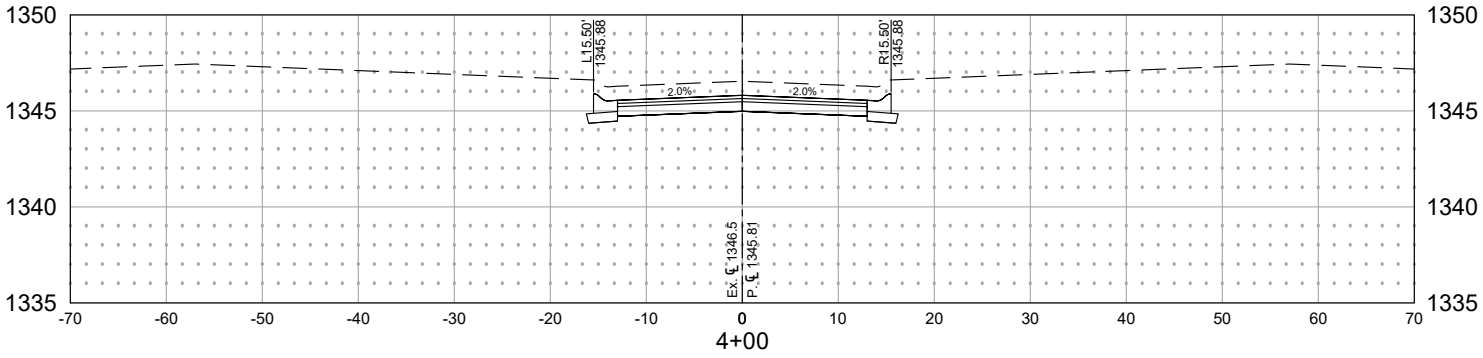
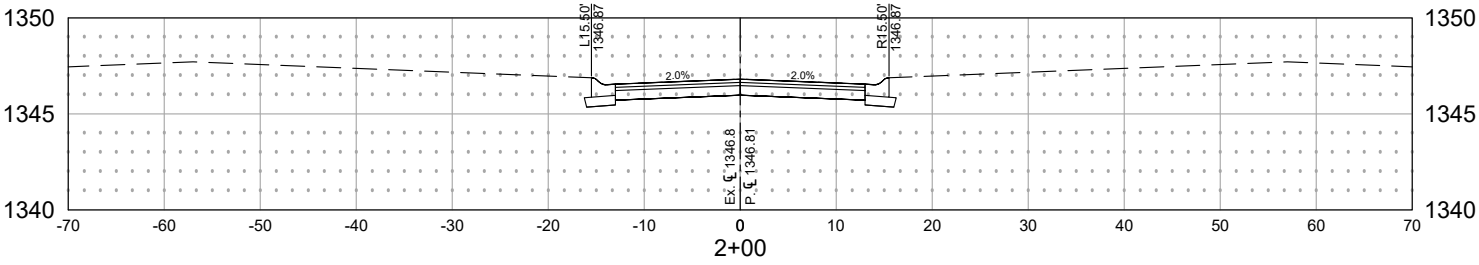
PAGE 2 OF 2
BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
318-289-7272 • 318 ELLIS • WICHITA, KANSAS 67211
P:\3141\PRairie Lakes Addition\DWG\PLAT39-7B.DWG

PCI39-7B



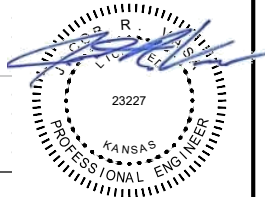
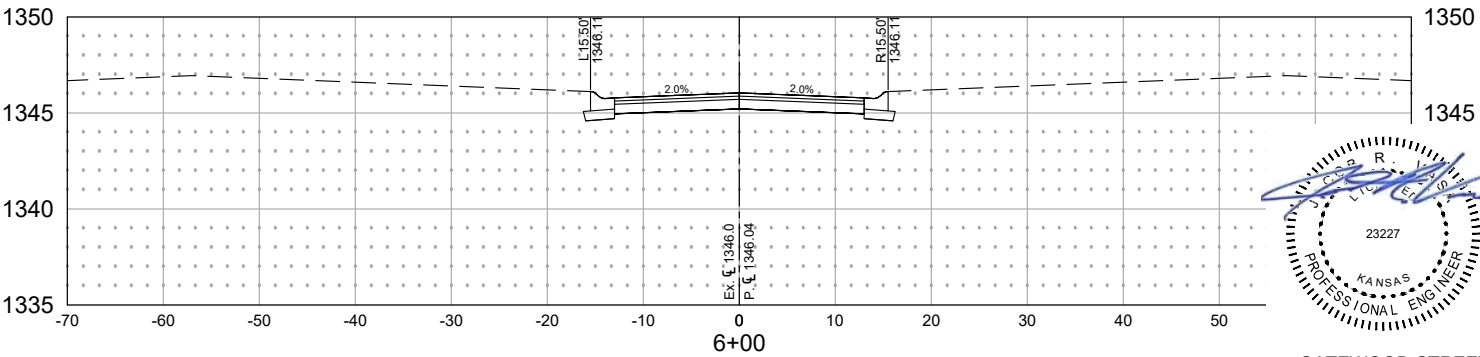
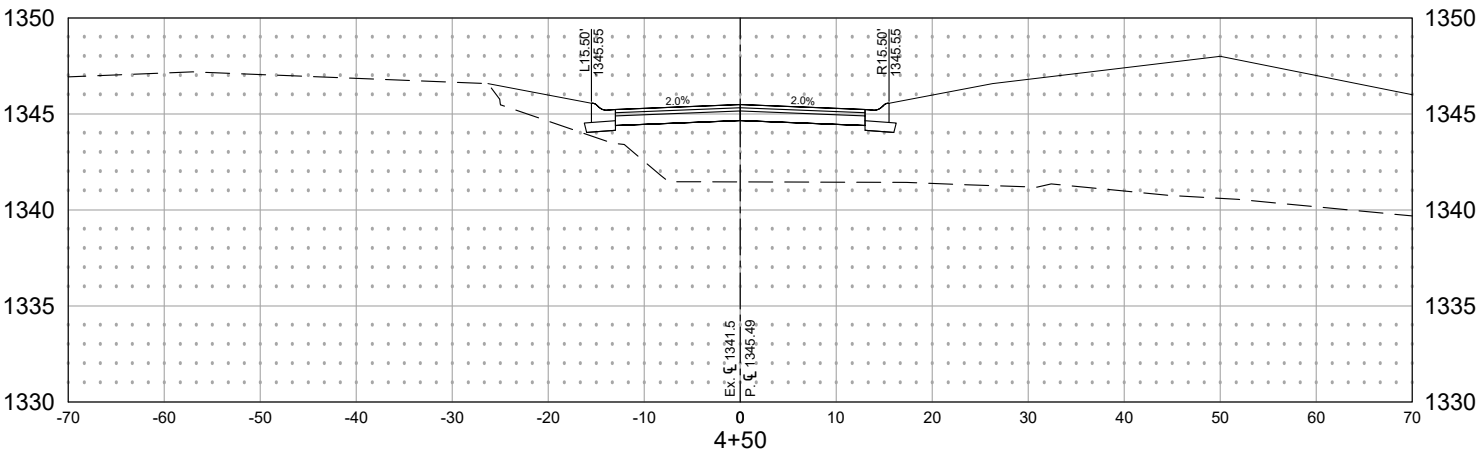
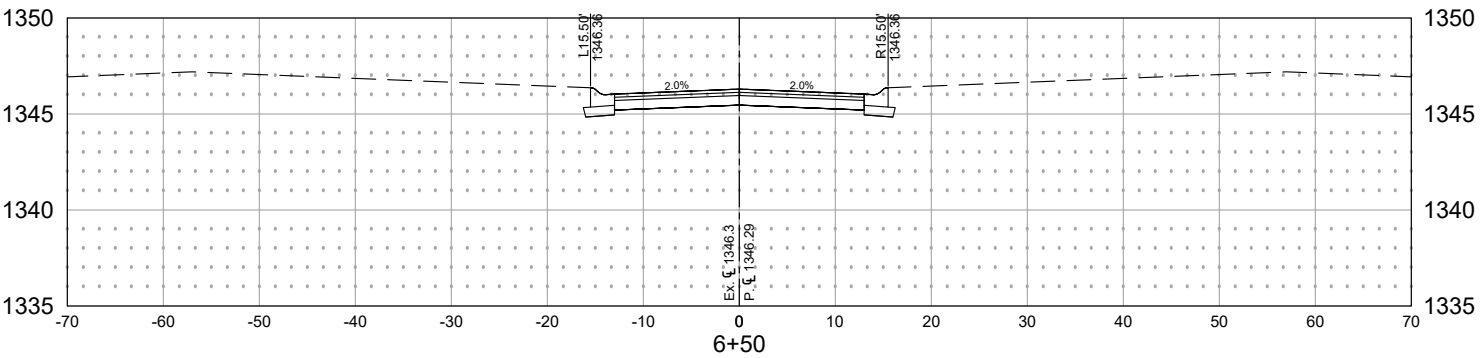
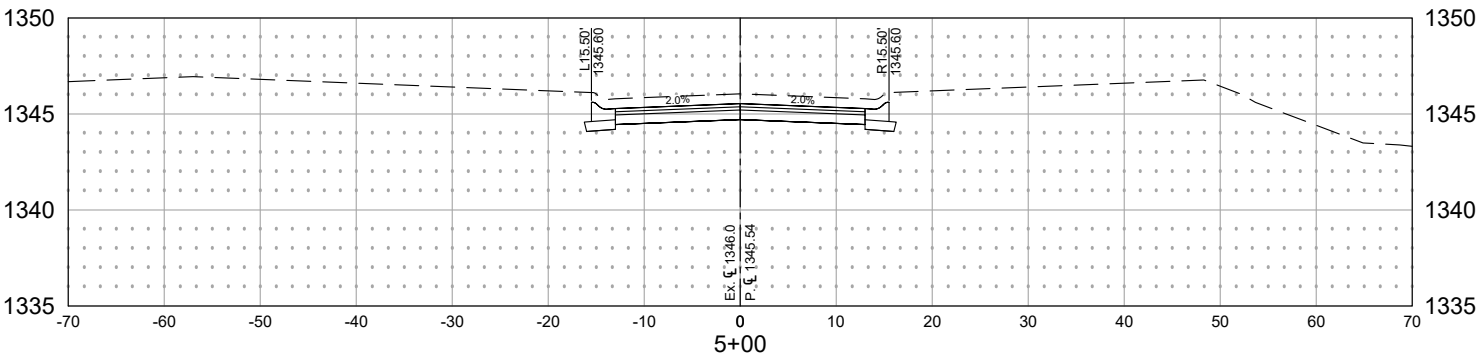
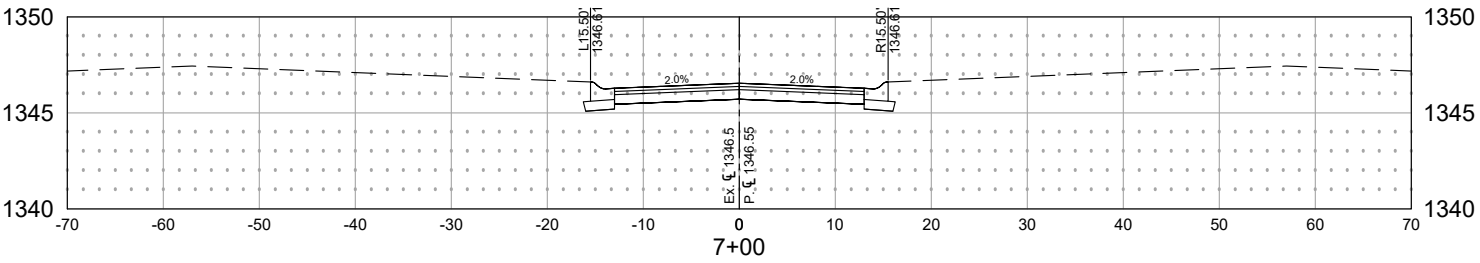
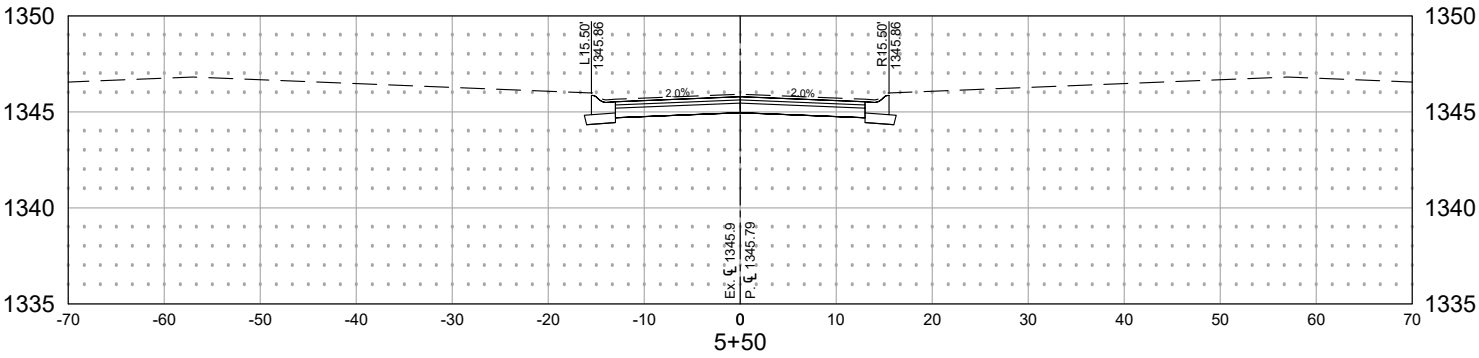
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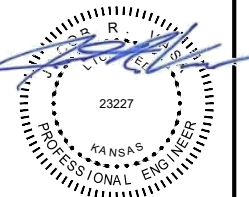
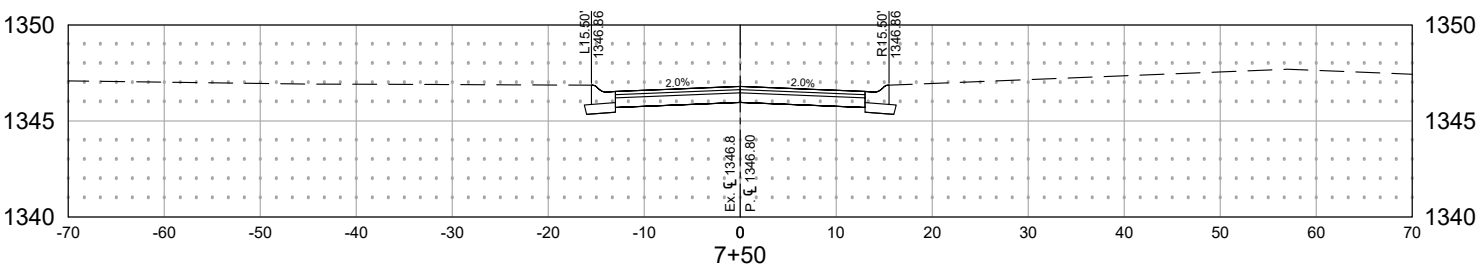
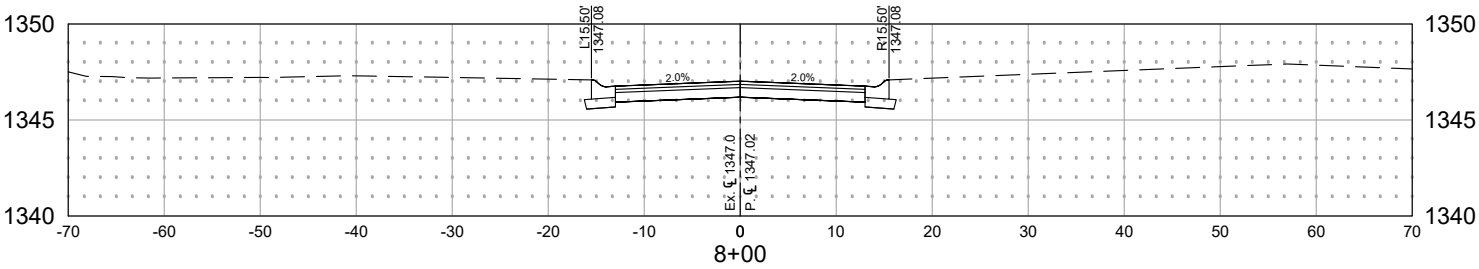
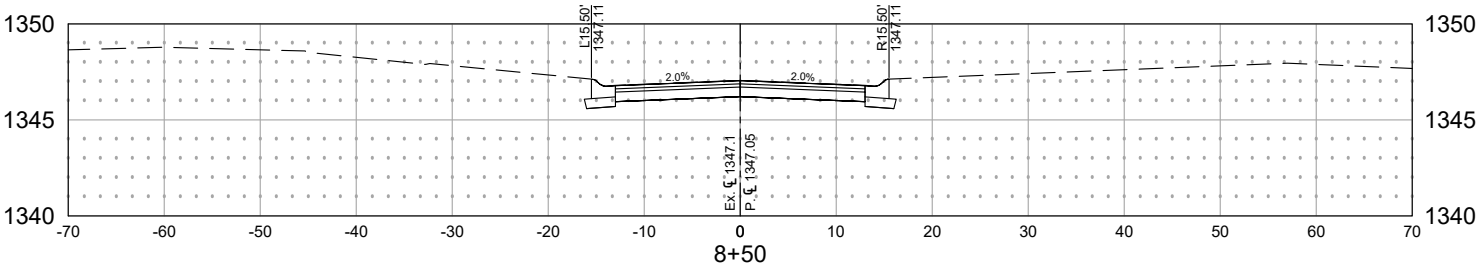
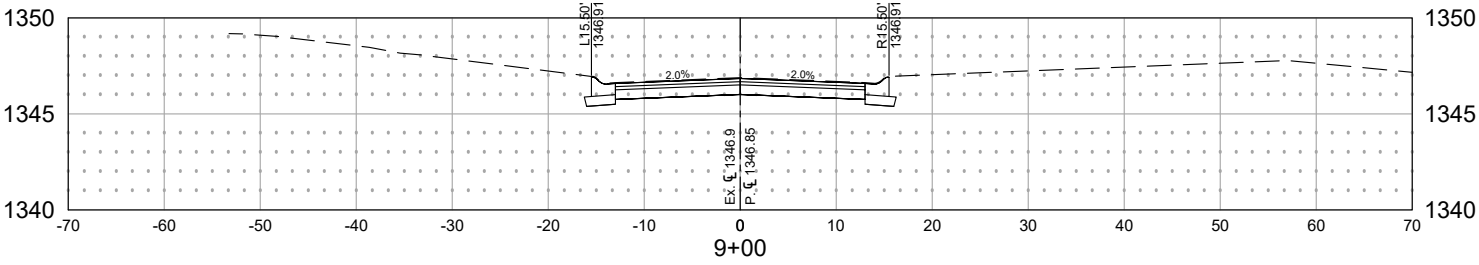
GATEWOOD STREET
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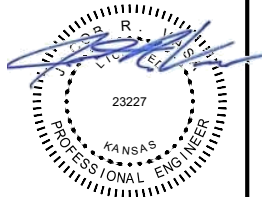
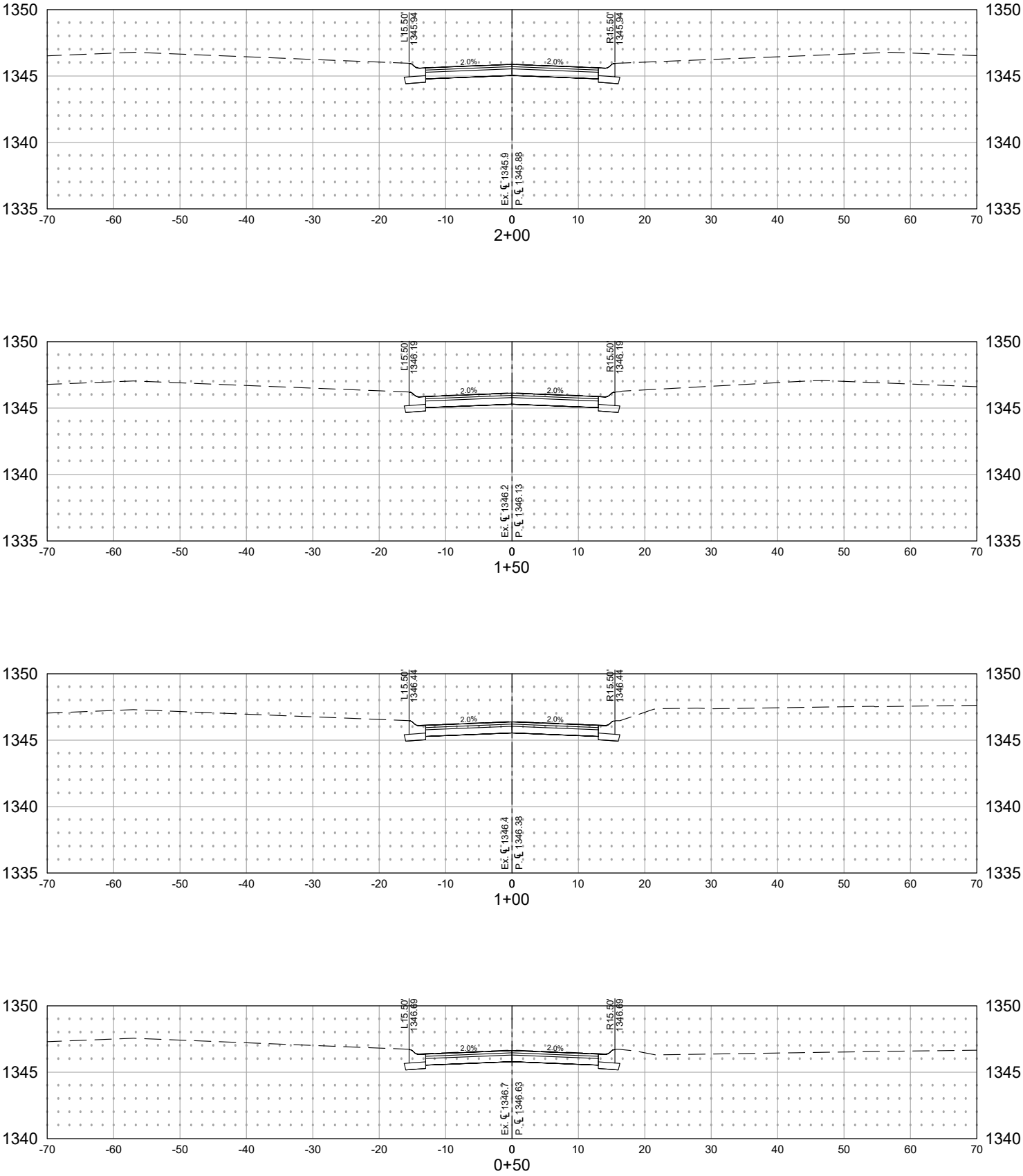
GATEWOOD STREET
STA: 4+50.00 - STA: 7+00.00

Save: 12/22/2022 5:14 PM dburns Plot: 12/24/2022 4:35 PM X:\F\VIIIHDEV\160827\5-final-dsgn\51-drawings\10-Civil\lead.dwg\LSKE_XS.dwg



GATEWOOD STREET
STA: 7+50.00 - STA: 9+00.00

Save: 12/22/2022 5:14 PM dburns Plot: 12/24/2022 4:36 PM X:\F\J\HDEV\160827\5-final-dsgn\51-drawings\10-Civil\lead.dwg\LSKE_XS.dwg



NORTHBRIDGE STREET
STA: 0+00.00 - STA: 2+00.00

NEW BUSINESS
RECOMMENDED ACTION

**B. APPROVE TO SOLICIT REQUESTS FOR PROPOSALS (RFP) FOR
PRAIRIE LAKES PHASE III:**

Should Council choose to proceed

RECOMMENDED ACTION

Staff recommends motion to approve to solicitation of Request for Proposals (RFP) for Phase III of the Prairie Lakes Development.

CONSENT AGENDA

- A. APPROPRIATION ORDINANCE – JANUARY 17, 2023**
- B. ECONOMIC DEVELOPMENT BOARD MINUTES - JAN 4, 2023**

RECOMMENDED ACTION:

Staff recommends motion to approve the Consent Agenda as presented.

CONSENT AGENDA

A. APPROPRIATION ORDINANCE:

Below is the proposed Appropriation Ordinance for January 17, 2023, as prepared by City Staff.

January 17, 2023, Appropriation

Total	\$ 1,160,665.01
--------------	------------------------

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
0270	INTRUST CARD CENTER							
I-202212219666	INTRUST CARD CENTER	R	12/27/2022	16,240.80		054744		16,240.80
0059	CITY OF WICHITA							
I-202212279674	CITY OF WICHITA	R	12/27/2022	3,136.00		054747		3,136.00
0061	VALLEY CENTER PUBLIC LIBRARY							
I-202212209651	VALLEY CENTER PUBLIC LIBRARY	R	12/27/2022	7,074.82		054748		7,074.82
0110	LKM - LEAGUE OF KANSAS MUNICIP							
I-202212279669	LKM - LEAGUE OF KANSAS MUNICIP	R	12/27/2022	268.24		054749		268.24
0162	CIVIC PLUS							
I-202212209650	CIVIC PLUS	R	12/27/2022	2,732.48		054750		2,732.48
0196	P E C (PROFESSIONAL ENGINEERIN							
I-202212279672	P E C (PROFESSIONAL ENGINEERIN	R	12/27/2022	61,096.20		054751		61,096.20
0220	UNDERGROUND VAULTS & STORAGE							
I-202212209648	UNDERGROUND VAULTS & STORAGE	R	12/27/2022	336.96		054752		336.96
0254	CITY OF WICHITA							
I-202212279673	CITY OF WICHITA	R	12/27/2022	52,613.97		054753		52,613.97
0321	DECKER ELECTRIC							
I-202212209652	DECKER ELECTRIC	R	12/27/2022	11,600.00		054754		11,600.00
0328	UCI - UTILITY CONSULTANTS							
I-202212209640	UCI - UTILITY CONSULTANTS	R	12/27/2022	80.00		054755		80.00
0509	NOWAK CONSTRUCTION CO., INC.							
I-202212209643	NOWAK CONSTRUCTION CO., INC.	R	12/27/2022	173,671.40		054756		173,671.40
0535	NORTHRIDGE SAND, L.L.C.							
I-202212279676	NORTHRIDGE SAND, L.L.C.	R	12/27/2022	271.08		054757		271.08
0746	RAY LINDSEY							
I-202212209638	RAY LINDSEY	R	12/27/2022	1,225.00		054758		1,225.00
0784	MERIDIAN ANALYTICAL LABS, LLC							
I-202212219656	MERIDIAN ANALYTICAL LABS, LLC	R	12/27/2022	425.00		054759		425.00
0796	BARDAVON HEALTH INNOVATIONS							
I-202212209635	BARDAVON HEALTH INNOVATIONS	R	12/27/2022	110.00		054760		110.00

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
0817	H.M.S. LLC							
I-202212279675	H.M.S. LLC	R	12/27/2022	69.98		054761		69.98
0824	GALLS, LLC							
I-202212209639	GALLS, LLC	R	12/27/2022	172.56		054762		172.56
0836	THE SHERWIN-WILLIAMS CO.							
I-202212279668	THE SHERWIN-WILLIAMS CO.	R	12/27/2022	73.94		054763		73.94
0898	GREATER WICHITA YMCA							
I-202212209649	GREATER WICHITA YMCA	R	12/27/2022	296.25		054764		296.25
1005	ADT US HOLDINGS, INC							
I-202212209642	ADT US HOLDINGS, INC	R	12/27/2022	757.14		054765		757.14
1062	KANSAS ECONOMIC DEVELOPMENT AL							
I-202212209647	KANSAS ECONOMIC DEVELOPMENT AL	R	12/27/2022	330.00		054766		330.00
1075	RED EQUIPMENT LLC.							
I-202212219657	RED EQUIPMENT LLC.	R	12/27/2022	3,865.97		054767		3,865.97
1137	WASTE CONNECTIONS OF KANSAS, I							
I-202212219654	WASTE CONNECTIONS OF KANSAS, I	R	12/27/2022	44,001.69		054768		44,001.69
1189	AMERICAN WATER WORKS ASSOCIATI							
I-202212209636	AMERICAN WATER WORKS ASSOCIATI	R	12/27/2022	348.00		054769		348.00
1236	SHORT ELLIOT HENDRICKSON, INC.							
I-202212219655	SHORT ELLIOT HENDRICKSON, INC.	R	12/27/2022	2,300.00		054770		2,300.00
1237	GEORGE LAY SIGNS INC.							
I-202212209645	GEORGE LAY SIGNS INC.	R	12/27/2022	32,700.00		054771		32,700.00
1247	NEWGEN STRATEGIES & SOLUTIONS,							
I-202212279671	NEWGEN STRATEGIES & SOLUTIONS,	R	12/27/2022	1,744.00		054772		1,744.00
1258	WILDCAT CONSTRUCTION CO., INC							
I-202212209644	WILDCAT CONSTRUCTION CO., INC	R	12/27/2022	454,526.32		054773		454,526.32
1261	MSA PROFESSIONAL SERVICES, INC							
I-202212209634	MSA PROFESSIONAL SERVICES, INC	R	12/27/2022	10,867.50		054774		10,867.50
1273	ZOLL DATA SYSTEMS							
I-202212279667	ZOLL DATA SYSTEMS	R	12/27/2022	150.92		054775		150.92

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
1274	BEAUMONT PIPELINE, LLC							
I-202212209637	BEAUMONT PIPELINE, LLC	R	12/27/2022	5,000.00		054776		5,000.00
0009	VERIZON WIRELESS SERVICES, LLC							
I-202301049681	VERIZON WIRELESS SERVICES, LLC	R	1/06/2023	50.04		054777		50.04
0084	KMIT-KS MUNICIPAL INSURANCE							
I-202301059703	KMIT-KS MUNICIPAL INSURANCE	R	1/06/2023	73,677.00		054778		73,677.00
0092	TYLER TECHNOLOGIES INC							
I-202301049678	TYLER TECHNOLOGIES INC	R	1/06/2023	3,937.50		054779		3,937.50
0183	KANSAS ONE-CALL SYSTEM, INC							
I-202301059699	KANSAS ONE-CALL SYSTEM, INC	R	1/06/2023	74.40		054780		74.40
0224	SUMNERONE, INC.							
I-202301049684	SUMNERONE, INC.	R	1/06/2023	158.61		054781		158.61
0299	PITNEY BOWES GLOBAL FINANCIAL							
I-202301049686	PITNEY BOWES GLOBAL FINANCIAL	R	1/06/2023	144.57		054782		144.57
0321	DECKER ELECTRIC							
I-202301049679	DECKER ELECTRIC	R	1/06/2023	1,186.00		054783		1,186.00
0509	NOWAK CONSTRUCTION CO., INC.							
I-202301049687	NOWAK CONSTRUCTION CO., INC.	R	1/06/2023	135,139.40		054784		135,139.40
0815	KONICA MINOLTA BUSINESS SOLUTI							
I-202301049682	KONICA MINOLTA BUSINESS SOLUTI	R	1/06/2023	85.49		054785		85.49
0906	ROYAL PUBLISHING							
I-202301049685	ROYAL PUBLISHING	R	1/06/2023	195.00		054786		195.00
0988	FELD FIRE							
I-202301049688	FELD FIRE	R	1/06/2023	436.71		054787		436.71
1056	WEX BANK							
I-202301049683	WEX BANK	R	1/06/2023	5,492.88		054788		5,492.88
1082	T-MOBILE							
I-202301049680	T-MOBILE	R	1/06/2023	673.12		054789		673.12
0035	BARRY ARBUCKLE							
I-202301059694	BARRY ARBUCKLE	R	1/06/2023	800.00		054791		800.00

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
0042	LARRY LINN							
I-202301059690	LARRY LINN	R	1/06/2023	1,700.00		054792		1,700.00
0069	KANSAS DEPT REVENUE							
I-202301059696	KANSAS DEPT REVENUE	R	1/06/2023	1,844.87		054793		1,844.87
0077	KANSAS OFFICE OF THE TREASURER							
I-202301059700	KANSAS OFFICE OF THE TREASURER	R	1/06/2023	1,256.51		054794		1,256.51
0113	VALLEY PRINT LOGISTICS							
I-202301059695	VALLEY PRINT LOGISTICS	R	1/06/2023	1,583.65		054795		1,583.65
0156	BEALL & MITCHELL, LLC							
I-202301059692	BEALL & MITCHELL, LLC	R	1/06/2023	1,850.00		054796		1,850.00
0306	SEDGWICK COUNTY							
I-202301059697	SEDGWICK COUNTY	R	1/06/2023	2,689.05		054797		2,689.05
0457	CHRISTOPHER MICHAEL LEE DAVIS,							
I-202301059691	CHRISTOPHER MICHAEL LEE DAVIS,	R	1/06/2023	125.00		054798		125.00
0542	GIANT COMMUNICATIONS							
I-202301059704	GIANT COMMUNICATIONS	R	1/06/2023	2,087.33		054799		2,087.33
0552	WICHITA AREA METROPOLITAN PLAN							
I-202301059706	WICHITA AREA METROPOLITAN PLAN	R	1/06/2023	676.54		054800		676.54
0601	JOY K. WILLIAMS, ATTORNEY AT L							
I-202301059693	JOY K. WILLIAMS, ATTORNEY AT L	R	1/06/2023	1,350.00		054801		1,350.00
0770	KANSAS CHILDFIRST							
I-202301059698	KANSAS CHILDFIRST	R	1/06/2023	500.00		054802		500.00
0799	ELITE FRANCHISING INC DBA JANI							
I-202301059701	ELITE FRANCHISING INC DBA JANI	R	1/06/2023	1,925.43		054803		1,925.43
1127	THE HALSTEAD BANK							
I-202301059705	THE HALSTEAD BANK	R	1/06/2023	32,870.69		054804		32,870.69

VENDOR SET: 02 City of Valley Center

BANK: APBK INTRUST CHECKING

DATE RANGE: 0/00/0000 THRU 99/99/9999

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
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* * T O T A L S * *	NO	INVOICE AMOUNT	DISCOUNTS	CHECK AMOUNT
REGULAR CHECKS:	58	1,160,596.01	0.00	1,160,596.01
HAND CHECKS:	0	0.00	0.00	0.00
DRAFTS:	0	0.00	0.00	0.00
EFT:	0	0.00	0.00	0.00
NON CHECKS:	0	0.00	0.00	0.00
VOID CHECKS:	0 VOID DEBITS	0.00		
	VOID CREDITS	0.00	0.00	0.00

TOTAL ERRORS: 0

	NO	INVOICE AMOUNT	DISCOUNTS	CHECK AMOUNT
VENDOR SET: 02 BANK: APBK TOTALS:	58	1,160,596.01	0.00	1,160,596.01

VENDOR SET: 03 City of Valley Center

January 17, 2023 City Council Agenda Page 78

BANK: APBK INTRUST CHECKING

DATE RANGE: 0/00/0000 THRU 99/99/9999

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
0012	JASON EASLEY							
I-202212209646	JASON EASLEY	R	12/27/2022	7.99		054745		7.99
0085	STACY SHAY							
I-202212219653	STACY SHAY	R	12/27/2022	18.75		054746		18.75
0132	BRITTNEY ORTEGA							
I-202301049689	BRITTNEY ORTEGA	R	1/06/2023	42.26		054790		42.26

* * T O T A L S * *	NO	INVOICE AMOUNT	DISCOUNTS	CHECK AMOUNT
REGULAR CHECKS:	3	69.00	0.00	69.00
HAND CHECKS:	0	0.00	0.00	0.00
DRAFTS:	0	0.00	0.00	0.00
EFT:	0	0.00	0.00	0.00
NON CHECKS:	0	0.00	0.00	0.00
VOID CHECKS:	0 VOID DEBITS	0.00		
	VOID CREDITS	0.00	0.00	

TOTAL ERRORS: 0

	NO	INVOICE AMOUNT	DISCOUNTS	CHECK AMOUNT
VENDOR SET: 03 BANK: APBK TOTALS:	3	69.00	0.00	69.00
BANK: APBK TOTALS:	61	1,160,665.01	0.00	1,160,665.01
REPORT TOTALS:	61	1,160,665.01	0.00	1,160,665.01

SELECTION CRITERIA

VENDOR SET: * - All

VENDOR: ALL

BANK CODES: All

FUNDS: All

CHECK SELECTION

CHECK RANGE: 054744 THRU 054804

DATE RANGE: 0/00/0000 THRU 99/99/9999

CHECK AMOUNT RANGE: 0.00 THRU 999,999,999.99

INCLUDE ALL VOIDS: YES

PRINT OPTIONS

SEQUENCE: CHECK NUMBER

PRINT TRANSACTIONS: YES

PRINT G/L: NO

UNPOSTED ONLY: NO

EXCLUDE UNPOSTED: NO

MANUAL ONLY: NO

STUB COMMENTS: NO

REPORT FOOTER: NO

CHECK STATUS: NO

PRINT STATUS: * - All

CONSENT AGENDA

B. ECONOMIC DEVELOPMENT BOARD MINUTES JAN 4, 2023:

VALLEY CENTER ECONOMIC DEVELOPMENT BOARD MEETING MINUTES

Wednesday, January 4, 2023, 1:00 P.M.

(Meeting held via Teams)

MEETING WAS CALLED TO ORDER AT 1:00 P.M. THOSE IN ATTENDANCE:

Ben Anderson, Chairperson

Casey Carlson

Ron Colbert

Tim Hoffman

Brendan McGettigan

Randy Jackson

Brian Haight

Brent Clark, City Administrator

Ryan Shrack, Community Development Director

Brittney Ortega, Community Development Assistant

APPROVAL OF DRAFT MINUTES

Motion was made by Board Member Hoffman and seconded by Board Member Jackson to approve the meeting minutes for December 7, 2022. Motion was unanimous.

OLD BUSINESS: None**NEW BUSINESS:****A. Residential/Commercial Developments Update**

R. Shrack welcomed the newest board member, Brendan McGettigan. He was selected by the Chamber of Commerce to be their representative. Infrastructure work continues to move forward for Cedar Ridge and Arbor Valley. Water lines are in and the streets are being worked on as well. The contractor to do the infrastructure work has been approved for Sunflower Valley and work should begin soon. Infrastructure plans are being worked through right now for Prairie Lakes. The developers are working with KDHE on getting the necessary permits for water and sewer services. We are hoping to see building permits in the near future for all four areas. The WABA Home Show will be held March 2nd through the 5th. Ryan will send out a volunteer sign up sheet in February.

B. General Discussion

R. Shrack reminded the board the next meeting will be held on February 1, 2023, via Teams and the next in person meeting will be held March 1, 2023. The time and location of this meeting is still TBD.

ADJOURNMENT

Motion was made by Board Member Carlson and seconded by Board Member Colbert to adjourn the meeting. Motion was unanimous. Meeting adjourned at 1:06 P.M.

Respectfully submitted,

 Ryan W. Shrack, Secretary

STAFF REPORTS

A. Community Development Director Shrack

B. Parks & Public Buildings Director Owings

C. Public Safety Director Newman

D. Public Works Director Eggleston

E. Engineering Updates

A. Scheer-PEC

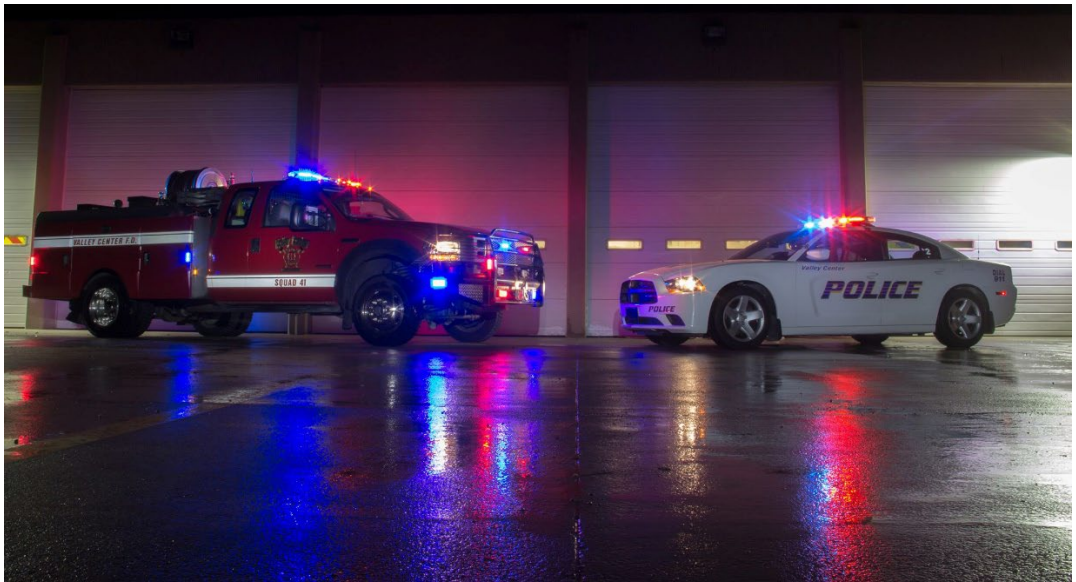
B. Vasa-SEH

F. City Attorney Arbuckle

G. Asst. City Administrator of Finance Smith

H. City Administrator Clark

PUBLIC SAFETY DEPARTMENT



1/5/2023

4th Quarter 2022 Edition

This is the quarterly information regarding activities of the Public Safety department for October through December 2022

Public safety Department

4TH QUARTER 2022 EDITION

Administration

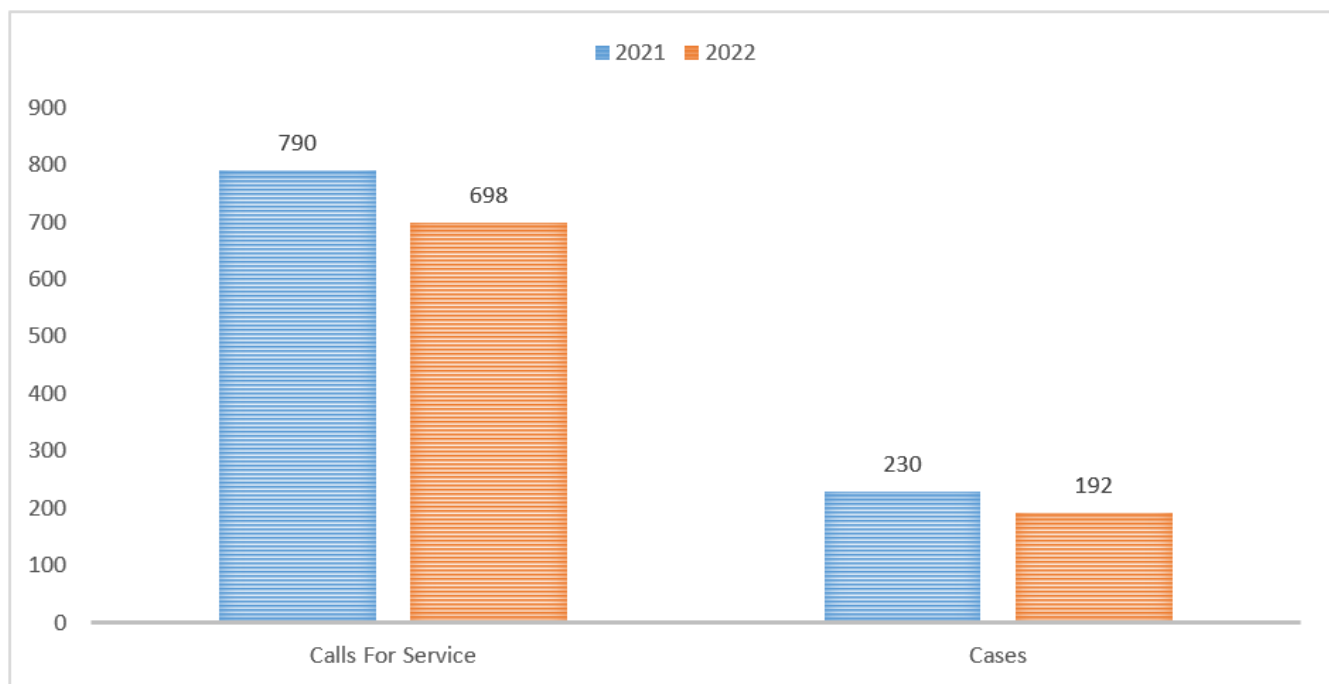
1. Chief Newman participated in the following:
 - Multiple KACP meetings
 - SACOP meetings both Zoom and in person
 - Weekly Department Director Meetings
 - Meetings with other government agencies including local Chief's meeting
 - Chief Newman, Sgt. Easley and Officer Berry attended the IACP Conference in Dallas
 - Met with USD 262 Admin on several occasions
 - Participated and helped coordinate Trick-or-Treat Main Street
 - Attended the Vendor show at the annual Kansas Sheriff's conference and made several good contacts
 - Was invited and participated in the first ever Axon Executive Roundtable Discussion in Kansas City
 - Met with George Redden (Senator Moran's Office) to discuss current topics
 - Completed numerous interviews for two open Patrol Officer positions.
 - Attended the annual Main Street Christmas Tree Lighting
 - Completed Public Safety yearly evaluations

Patrol

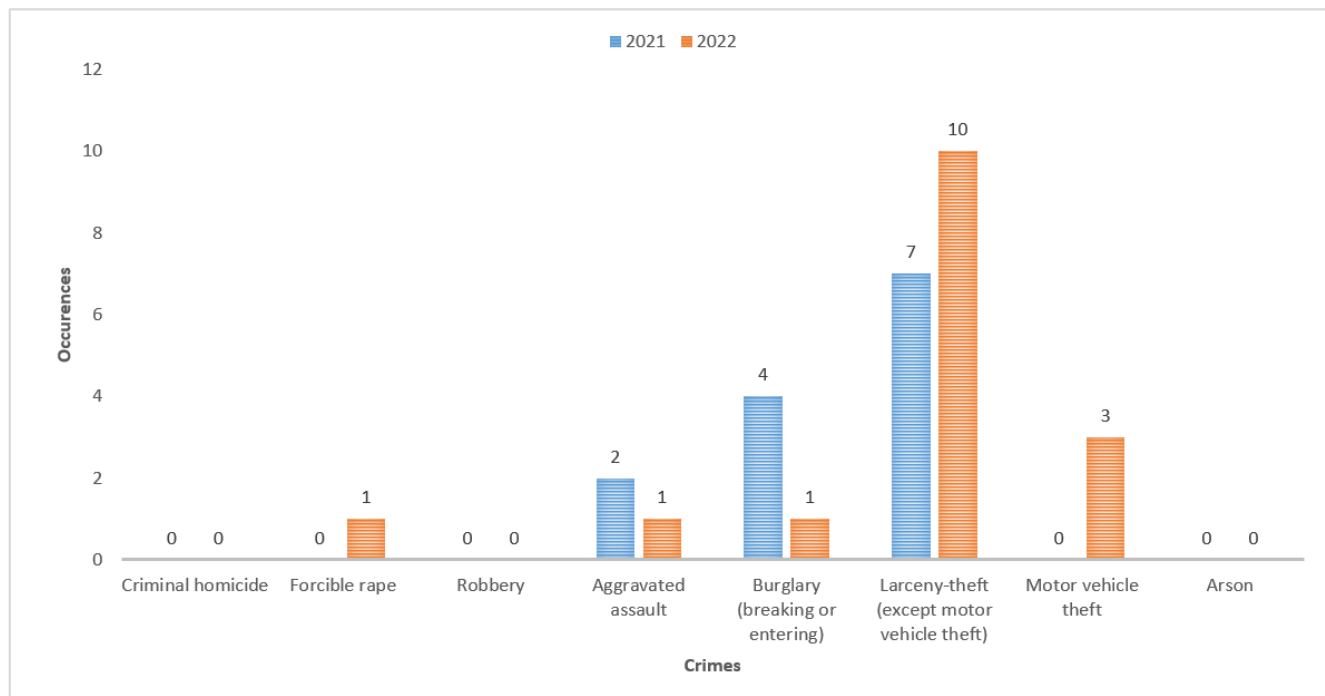
1. In the 4th quarter officers responded to 698 calls for service.
2. Officers wrote 174 citations issued that covered 256 violations.
3. The records section had 903 requests for dissemination during this quarter.
4. Officers worked ten cases involving violations of drug laws.
5. Average Response times for emergency calls was 3.5 minutes and non-emergency calls was 4.4 minutes.

Public safety Department**Training**

- Kirk, Metzger, Nygaard and Ezell attended Kansas Case Lay Update taught by Street Cop Training
- All officers attended Taser Recertification
- All officers attended the fall nighttime firearms qualification for both handgun and rifle
- Metzger attended the Five Stages of Interview and Interrogations
- Ezell attended the 2022 Impaired Driving Conference
- Metzger attended a Drug/Criminal Interdiction course
- Firefighters attended multiple training sessions put on by department members, topics include the following: simulated fire attach operations, hydrants drill, water supply operations, EMT credentialing and public relations

Fourth Quarter Statistics**Valley Center Police Department****Patrol Calls For Service and Cases****4th Quarter Statistics**

Task	Occurences	
	2021	2022
Calls For Service	790	698
Cases	230	192

Part 1 Offenses 4th Quarter**Valley Center Police Department****Classification of Offenses Part 1 Fourth Quarter**

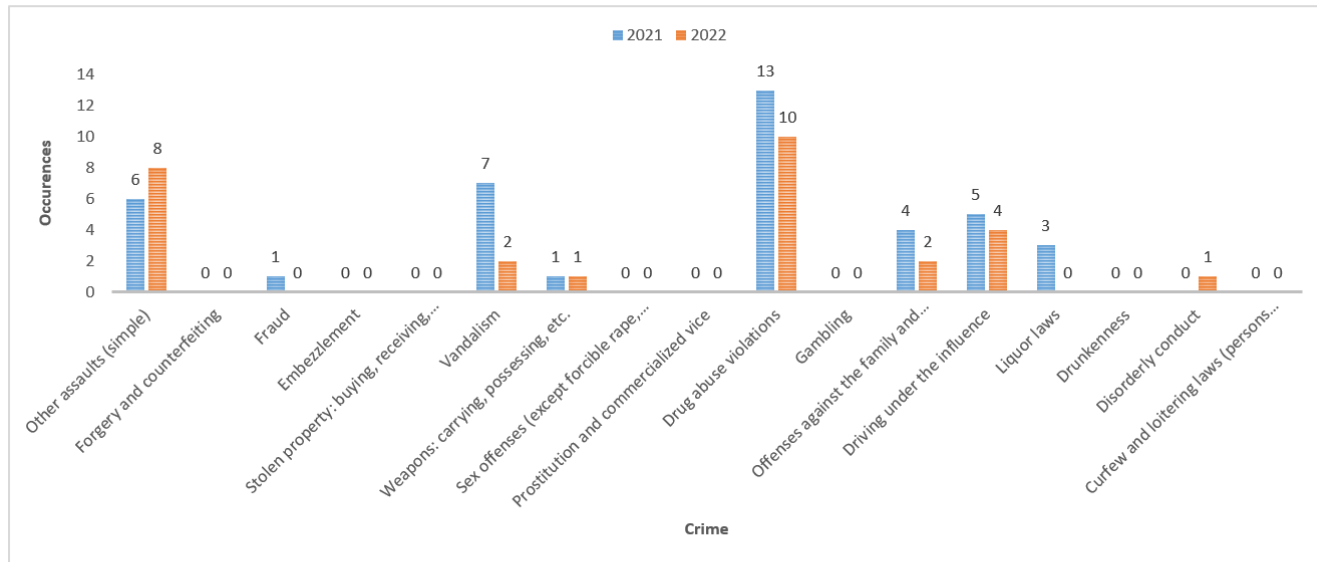
Crime	Occurences	
	2021	2022
Criminal homicide	0	0
Forcible rape	0	1
Robbery	0	0
Aggravated assault	2	1
Burglary (breaking or entering)	4	1
Larceny-theft (except motor vehicle theft)	7	10
Motor vehicle theft	0	3
Arson	0	0

Public safety Department

Part 2 Offenses 4th Quarter

Valley Center Police Department

Classification of Offenses Part 2 Fourth Quarter



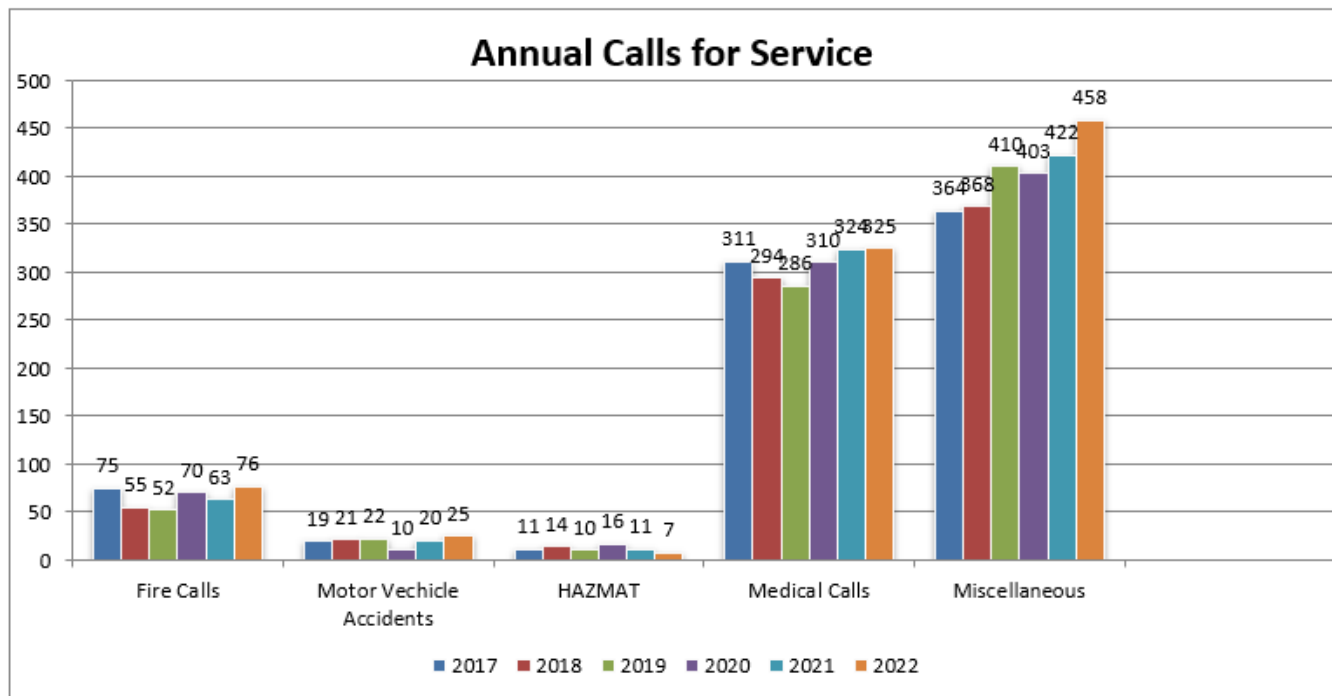
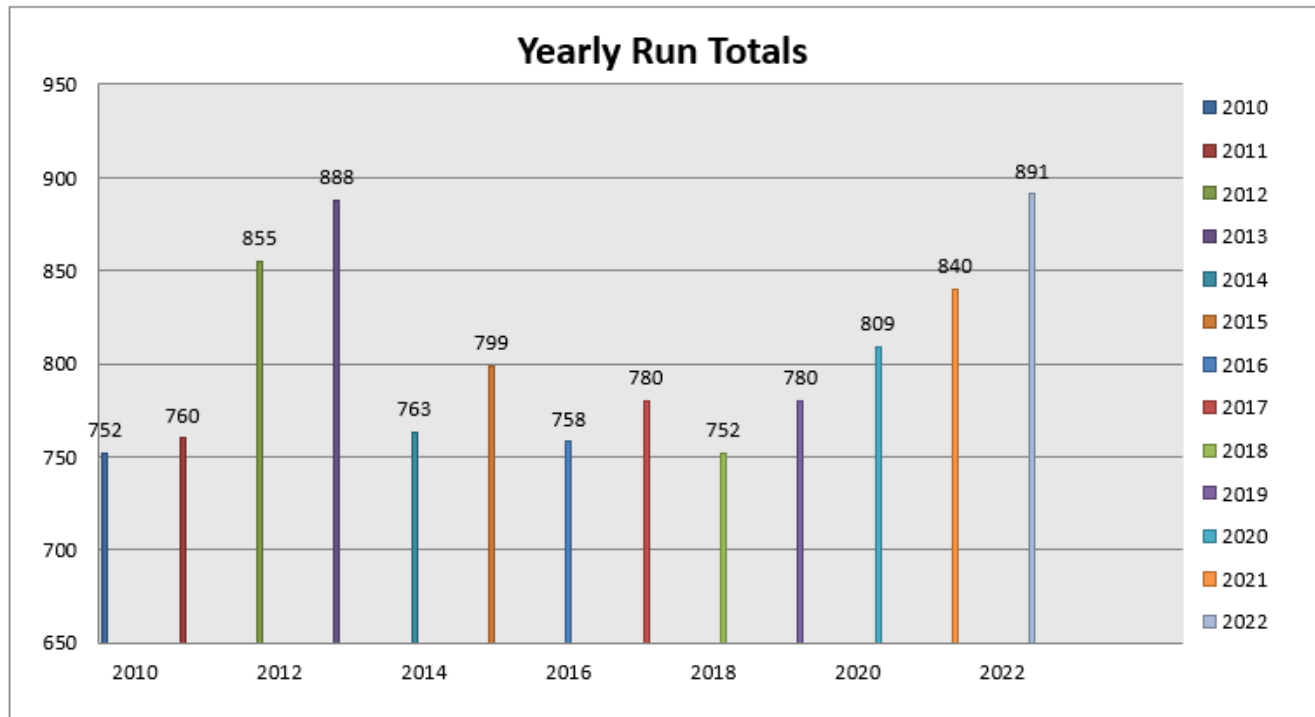
Crime	Occurrences			Occurrences	
	2021	2022		2021	2022
Other assaults (simple)	6	8	Drug abuse violations	13	10
Forgery and counterfeiting	0	0	Gambling	0	0
Fraud	1	0	Offenses against the family	4	2
Embezzlement	0	0	Driving under the influence	5	4
Stolen property: buying, receiving, posses	0	0	Liquor laws	3	0
Vandalism	7	2	Drunkenness	0	0
Weapons: carrying, possessing, etc.	1	1	Disorderly conduct	0	1
Sex offenses (except forcible rape, prostitution, and commercialized vice)	0	0	Curfew and loitering laws (persons under age 18)	0	0
Prostitution and commercialized vice	0	0			

CITATION TOTALS BY VIOLATION REPORT

10/1/2022 12:00:00AM - 12/31/2022 12:00:00AM

Violation Code	Violation Description	Total Citations
104	INATTENTIVE DRIVING	5
106	TRANSPORTING OF ALCOHOLIC BEVERAGE	2
117	IMPROPER BACKING	1
12	DISOBEYING TRAFFIC CONTROL DEVICE	4
122	STREET BARRIERS	1
13	VIOLATING TRAFFIC CONTROL SIGNAL	1
133	IMPROPER BICYCLE LAMPS, BRAKES, OR REFLECTORS	1
147	DEFECTIVE TAIL LAMP	1
182	CHILD UNDER 14, NO SEAT BELT OR CHILD CAR SEAT	3
182.1	SEAT BELTS OVER THE AGE OF 14	9
192	NO DRIVERS LICENSE	3
194	DRIVING ON SUSPENDED, CANCELED OR REVOKED D.L.	19
195	DRIVING IN VIOLATION OF RESTRICTIONS	2
195.1	DRIVING WHILE HABITUAL	1
196	UNAUTHORIZED OPERATOR	2
198	ILLEGAL/EXPIRED TAG	53
200	NO PROOF OF LIABILITY INSURANCE	32
204	FINES DOUBLED IN ROAD CONSTRUCTION AND SCHOOL ZONES	1
30	DRIVING UNDER THE INFLUENCE	7
32	UNSAFE SPEED FOR PREVAILING CONDITIONS(BASIC SPEED LAW)	3
33	MAXIMUM SPEED LIMITS	73
45	DRIVING WRONG DIRECTION ON ONE WAY ROAD	4
46	IMPROPER DRIVING ON LANED ROADWAY	1
5.6	PURCHASE OR POSSESSION OF CIGARETTES OR TOBACCO PRODUCTS BY A MINOR	1
59	FAILURE TO YIELD AT STOP OR YIELD SIGN	2
61	FAILURE TO YIELD TO EMERGENCY VEHICLE	1
64	PEDESTRIANS RIGHT-OF-WAY IN CROSSWALKS; CONTROL SIGNALS	1
81	IMPROPER PASSING OF SCHOOL BUS, IMPROPER USE OF SIGNAL	1

Valley Center Fire Department



Investigations

Investigations was assigned thirteen cases. During the fourth quarter a total of nineteen cases were presented. Ten were adult felony and the remaining were misdemeanor and or juvenile cases. Out of the cases presented, nine felony cases were charged, and three misdemeanor cases were charged. The remained were declined for lack of prosecution or the victim refusing to testify. Det. Metzger continues to investigate several felony cases that should be completed soon and presented to the District Attorney's Office for charging.

Community Activities

1. The Public Safety Department made thirty-one posts to Facebook in the 4th Quarter. We currently have 4,300 page likes and 4,700 followers. The page continues to grow as does the interaction between the citizens and us on various posts. There were numerous photos and posts that gained lots of attention.

Below are some of our more popular photos:



Public Works Status Report

Ford Street Project:



Storm drain in front of Brookfield apartments. These pipes connect to the pre-cast box culvert in the background.



Pre-cast box culvert from the previous picture. The deck will be part of the road surface.



Looking east from the culvert from the previous picture. There still needs to be storm pipe laid in the trench to the left before they can continue prepping the road.



Facing east from the Seneca/Ford intersection. The intersection is mostly paved to the south. To the north they continue with grading and prep work for the roadway.



Looking south at the Seneca realignment area.

Cedar Ridge Project:



Here is the west cul-de-sac paved. As you can see by the hydrant, the waterline is complete.



Road leading to the east cul-de-sac.



Paving is complete except a small portion near the Seneca entrance where trench culverts still need to be installed.



Cedar Ridge entrance at Seneca Street

Arbor Valley Project:

- Waterline is installed and tested good.
- Working on grading road base.

Water:

- Working on a strategy for raw water testing of our wells in conjunction with phase 1 of the Water Treatment Plant Project.
- Working on a plan for the installation of a water meter for the irrigation of the welcome sign at 5th & Broadway.

Streets:

- Gathering material to get ready for more crack sealing and patching.
- Working on possible mill & overlay options for this year.

Admin:

- Working with Imagine IT on the Public Works server replacement to include the upgrade of our meter reading software.

MEMO

**TO:** City of Valley Center**DATE:** January 17, 2023**ATTENTION:** Mayor Cicirello and Members of Council**PROJECT NO.:** 35-217013-000-2502**FROM:** Gage Scheer, P.E.**PROJECT:** Valley Center – City Engineer**REFERENCE:** Project Status Update**COPIES TO:** Brent Clark, Rodney Eggleston, Barry Smith

Please advise immediately of any misconceptions or omissions you believe to be contained herein.

Shown below is a list of current PEC projects with status updates:

Current Projects:**1. Ford (77th) Street from Bridge to Broadway with Seneca Realignment (200557-000)****A. Project Details:**

1. Concrete option selected (Wildcat Construction).
2. Construction started September 12, 2022.
3. Completion Summer 2023.
4. Traffic Control = Full closure, local access only.

2. Ford Street Waterline Extension (217013-003)**A. Project Details:**

1. Construction has finished. Final testing has passed.

3. Meridian from 69th Street to Railroad Paving Improvements (197013-004)**A. Office Check Plans submitted. Waiting on comments from KDOT.****B. Project Details:**

1. Evaluating Builders FirstSource north drive relocation and enclosing ditch adjacent to Bank. PEC to provide concept exhibit and estimate.
2. Bid Date = Spring 2023 / Summer 2023 (Currently tied with North Meridian).
3. Estimated Construction Duration = 450 Calendar Days (Currently tied with North Meridian).
4. City Council has selected to remove and replace pavement as is instead of widening for future quiet zone needs. PEC is coordinating with BNSF.
5. Traffic Control = Two lane two way. Roadway closed to thru traffic during construction of Roundabout.

4. Meridian from Main Street to 5th Street Paving Improvements (197013-006)**A. Project is currently combined in the WAMPO TIP with the "Meridian – 69th Street to Railroad" as a single project.****B. Office Check Plans submitted. Waiting on comments from KDOT.****C. Project Details:**

1. Meeting held June 14th, to discuss streetscaping options. City has requested to add lighting along the street within their budget for the project. Discussion of other streetscaping items to be considered separately.
2. Bid Date and Construction Duration = See South Meridian.
3. Traffic Control = One lane one-way northbound traffic.

Warranty Projects

1. Wastewater Treatment Plant Phase 3 Improvements (161372-000) – Dondlinger Construction – October 15, 2022.
2. Water Tower Rehabilitation (187013-004) – Cunningham – September 6, 2024.
3. Ford Street Waterline Improvements (217013-003) - Wildcat Construction November 11, 2024.

GOVERNING BODY REPORTS

- A. Mayor Cicirello**
- B. Councilmember Stamm**
- C. Councilmember Evans**
- D. Councilmember Bass**
- E. Councilmember Anderson**
- F. Councilmember Gregory**
- G. Councilmember Kerstetter**
- H. Councilmember Wilson**
- I. Councilmember Colbert**

ADJOURN