Tentative Agenda for the WAVERLY PLANNING COMMISSION MEETING to be held on November 25, 2024 at 6:00 PM. This meeting will be held at the Waverly City Office Building, 14130 Lancashire, Waverly, NE 68462. A current Agenda shall be readily available for public inspection at the office of the City Clerk during normal business hours.

1. **Call to Order**
   - 1.a) Roll Call
   - 1.b) Acknowledgement of the "Open Meetings Act" poster that is posted by the south entrance
2. **Approval of Minutes**
   - 2.a) Minutes of the July 29, 2024 Planning Commission Meeting
3. **Public Hearings**
   - 3.a) Public Hearing: Proposed Zoning Change Request #24-03 from Agricultural District (AG) to Residential (R-2) for property generally located at N 148th Street (west boundary) and Bluff Road (south boundary)
   - 3.b) Public Hearing: Proposed Waverly Ridge Estates Final Plat
   - 3.c) Public Hearing: Proposed Annexation of Waverly Ridge Estates
4. **Public Comments**
5. **Introduction of Business**
   - 5.a) Consideration of recommendation of approval of Proposed Zoning Change Request #24-03 from Agricultural District (AG) to Residential (R-2) for property generally located at N 148th Street (west boundary) and Bluff Road (south boundary)
   - 5.b) Consideration of recommendation of approval of Proposed Waverly Ridge Estates Final Plat
   - 5.c) Consideration of recommendation of approval of Annexation of Waverly Ridge Estates
   - 5.d) Discussion on South Central Waverly Blight & Substandard Declaration and West Waverly Redevelopment Area.
   - 5.e) Administrative Report
6. **Adjournment**

The Governing Body reserves the right to go into Executive Session at any time for the reasons outlined in State Statute 84-1410.

The following rules are established for audience members and participants at a Council meeting:

(1) Any person wishing to address the Council shall first state their name and address.
(2) Public comments are for non-agenda items only.
(3) Remarks shall be limited to five (5) minutes.

Minutes of the **Waverly Planning Commission held Monday, July 29th, 2024,** at 6:00pm at the Waverly City Office Meeting Hall, 14130 Lancashire St, Waverly, Nebraska. Commissioners present were Chair Kris Bohac, Melissa Brown, Lindsay Erickson and Tony Larson. Absent were Heather Chloupek, Tyson Ritz and Allison Stark. City Officials present were Building Inspector/Zoning Administrator Mike Palm, City Administrator Stephanie Fisher and Mayor Bill Gerdes. Notice of the meeting and agenda were given to the Chair and all Members of the Planning Commission prior to the meeting. Notice of the meeting was posted at Russ's Market Express, the US Post Office, the City Office, and the City website.

Call to Order

The meeting was called to order by Chair Bohac at 6:04pm.

Bohac acknowledged the Open Meeting Act poster which is posted on the south wall by the meeting hall entrance doors.

Approval of Minutes of the June 24, 2024, Planning Commission Meeting

Larson moved to approve the June 24, 2024 meeting minutes. Erickson seconded the motion.

The following Commission Members voted "YEA": Bohac, Brown, Erickson and Larson. The following Commission Members voted "NAY": None. Motion carried. 4 – 0.

Public Hearings

Bohac stated Public Hearings: None

Introduction of Business

Discussion of proposed amendments to the Waverly Zoning Regulations

Zoning Administrator Palm provided commentary for and answered questions from the commission regarding the proposed zoning amendments.

Mayor Gerdes departed at 6:33pm.

The Commission Members discussed each of the proposed amendments and made refinement recommendations and confirmed understanding of the proposed zoning amendments.

Administrative Report given by Building Inspector/Zoning Administrator Mike Palm

- 1 Residential Permit under review (Fire damaged home rebuild at 10121 N 149th St)
- 4 Open Commercial Permit (Kamterter Storage (2), Kamterter Remodel, Capital Tower Addition)
- Waverly Ridge Estates:
    - Mass Grading in progress
    - Final Plat has not yet been approved. Final Plat approval is required before public improvement construction (infrastructure) can begin.

Adjournment
Brown moved to adjourn the meeting. Erickson seconded the motion.

The following Commission Members voted "YEA": Bohac, Brown, Erickson and Larson. The following Commission Members voted "NAY": None. Motion carried. 4 – 0.

Meeting adjourned at 7:42pm.

Respectfully submitted,
Tony Larson, Waverly Planning Commission, Secretary

City of Waverly
Building and Zoning Department
Zoning Change Report

Date: November 7, 2024

To: Waverly Planning Commission Members:
Kris Bohac, Melissa Brown, Lindsay Erickson, Heather Chloupek, Tyson Ritz, Allison Stark, Tony Larson

CC: Stephanie Fisher, Bill Gerdes

From: Mike Palm, Building Inspector/Zoning Administrator

Subject**: Change of Zoning Request 24-03**

General Information:

Legal Description: A tract of land composed of lot 71 I.T., all located in the West half of Section 15, Township 11 North, Range 8 East of the 6th P.M., Lancaster County, Nebraska.

Land area: 76,372 sq. ft.

Applicant: Smetter Custom Homes, Inc.
9700 Thornwood Cir.
Lincoln, NE 68512

Owner: Smetter Custom Homes, Inc.

Existing Zoning: Agricultural (AG)

Propose Zoning: Single-Family Residential (R-2)

Existing Land Use: Crops

Surrounding Land Use and Zoning:

North	Zoned: Residential	Use: Future Residential
South	Zoned: Residential	Use: Residential
East	Zoned: Agricultural	Use: Crops
West	Zoned: Residential	Use: Cemetery

Comprehensive Plan Considerations:

The Future Land Use Map designates this area as Residential

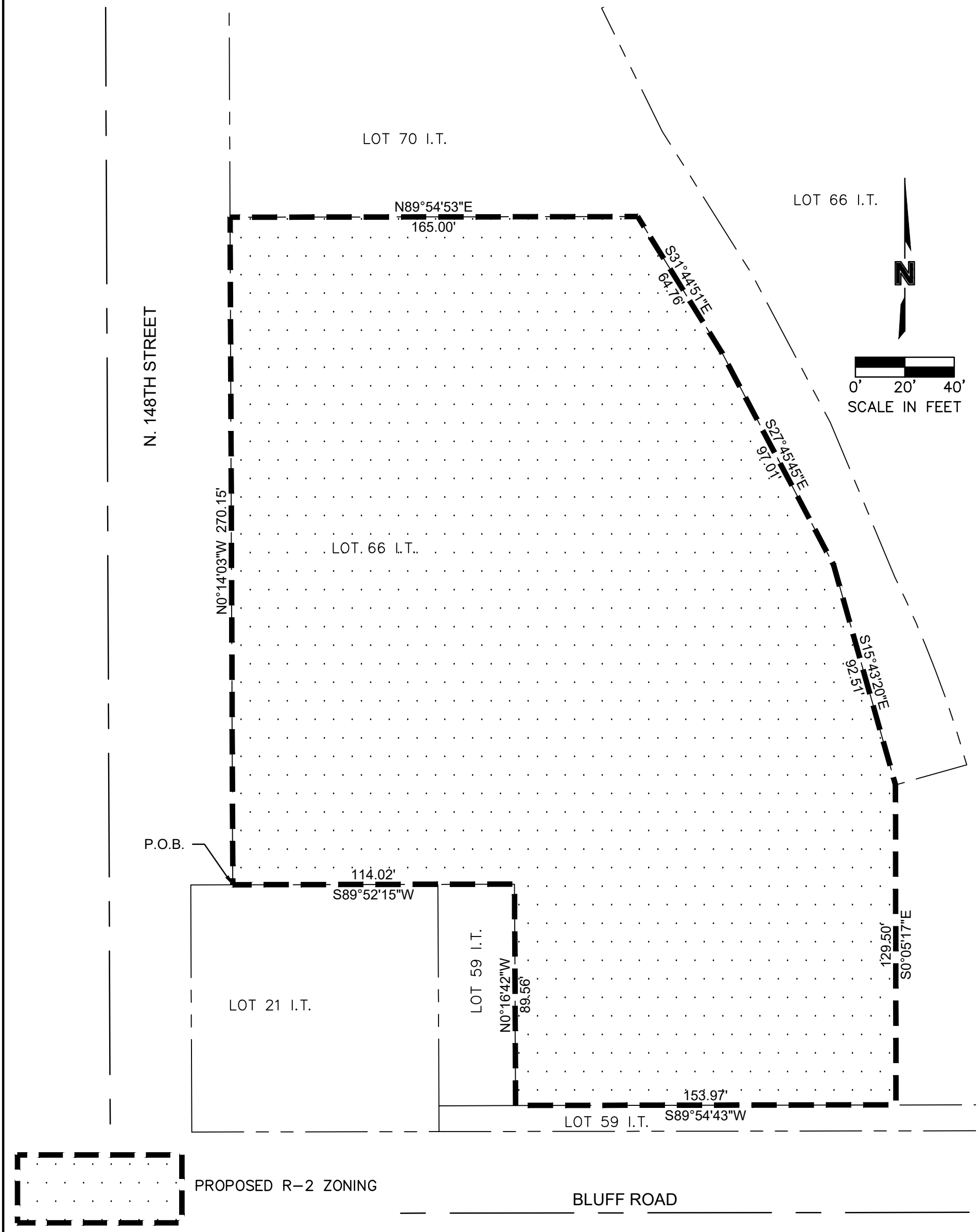
Analysis:

1. The proposed zoning for property described above is Residential (R-2).
2. The property currently lies outside of the city's corporate limits. The property would be annexed after approval of a final plat.
3. Per the City's Future Land Use Map, this property is designated for Residential Use.
4. The property is surrounded by AG District properties to the North, East, and South. The property is bound by 148th Street to the West.
5. The area to be rezoned is proposed Outlot H in Waverly Ridge Estates (Detention/Retention).
6. Based on the information provided, I recommend approval of the zoning change request.

LEGAL DESCRIPTION

A TRACT OF LAND COMPOSED OF LOT 71 I.T., LOCATED IN THE WEST HALF OF SECTION 15, TOWNSHIP 11 NORTH, RANGE 8 EAST OF THE 6TH P.M., LANCASTER COUNTY, NEBRASKA, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A SOUTHWEST CORNER OF SAID LOT 66 I.T., SAID POINT BEING A SOUTHEAST CORNER OF NORTH 148TH STREET RIGHT OF WAY, SAID POINT BEING ON THE NORTH LINE OF LOT 21 I.T.; THENCE N00°14'03"W, ON A WEST LINE OF SAID LOT 66 I.T., SAID LINE BEING AN EAST LINE OF SAID NORTH 148TH STREET RIGHT OF WAY, A DISTANCE OF 270.15' TO A POINT; THENCE N89°54'53"E, ON A NORTH LINE OF SAID LOT 66 I.T., A DISTANCE OF 165.00' TO A POINT; THENCE S31°44'51"E, ON A NORTHEAST LINE OF SAID LOT 66 I.T., A DISTANCE OF 64.76' TO A POINT; THENCE S27°45'45"E, ON A NORTHEAST LINE OF SAID LOT 66 I.T., A DISTANCE OF 97.01' TO A POINT; THENCE S15°43'20"E, ON AN EAST LINE OF SAID LOT 66 I.T., A DISTANCE OF 92.51' TO A POINT; THENCE S00°05'17"E, A DISTANCE OF 129.50' TO A POINT ON THE SOUTH LINE OF SAID LOT 66 I.T.; THENCE S89°54'43"W, ON A SOUTH LINE OF SAID LOT 66 I.T., SAID LINE BEING A NORTH INE OF LOT 59 I.T., A DISTANCE OF 153.97' TO A POINT; THENCE N00°16'42"W, ON A WEST LINE OF SAID LOT 66 I.T., SAID LINE BEING AN EAST LINE OF SAID LOT 59 I.T., A DISTANCE OF 89.56' TO A POINT; THENCE S89°52'15"W, ON A SOUTH LINE OF SAID LOT 66 I.T., SAID LINE BEING A NORTH LINE OF SAID LOT 59 I.T. AND THE NORTH LINE OF SAID LOT 21 I.T. A DISTANCE OF 114.02'; TO THE POINT OF BEGINNING, SAID TRACT CONTAINS A CALCULATED AREA OF 76,371.91 SQUARE FEET OR 1.75 ACRES, MORE OR LESS.



DATE: Oct 22, 2024 10:33am USER: mlangston

PROJECT NO:	022-01217
DRAWN BY:	MCL
DATE:	09.01.2024

CHANGE OF ZONE FOR A PORTION OF WAVERLY RIDGE ESTATES

olsson

601 P Street, Suite 200
P.O. Box 84608
Lincoln, NE 68508

olsson.com
TEL 402.474.6311

EXHIBIT 1

ORDINANCE NO. 24-12

AN ORDINANCE OF THE CITY OF WAVERLY, NEBRASKA TO REZONE A TRACT OF LAND COMPOSED OF LOT 71 I.T., ALL LOCATED IN THE WEST HALF OF SECTION 15, TOWNSHIP 11 NORTH, RANGE 8 EAST OF THE 6TH P.M., LANCASTER COUNTY, NEBRASKA FROM AGRIGULTURAL DISTRICT (AG) TO RESIDENTIAL (R2).

BE IT ORDAINED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF WAVERLY, NEBRASKA:

That the Official Zoning Map for the City of Waverly be amended by changing the following:

- Rezoning a Tract of Land Composed of Lot 71 I.T., all located in the West Half of Section 15, Township 11 North, Range 8 East of the 6TH P.M., Lancaster County, Nebraska from Agricultural District (AG) to Single-Family Residential (R2) as shown in Exhibit A.

That the City Clerk is hereby directed to take such actions as are necessary and appropriate to effectuate the change as set forth above on the official zoning map of the City.

PASSED AND APPROVED THIS_____ DAY OF _____, 2024.

_____
William D. Gerdes
Mayor

ATTEST:

_____
Megan K. Frye
City Clerk/Human Resources Assistant

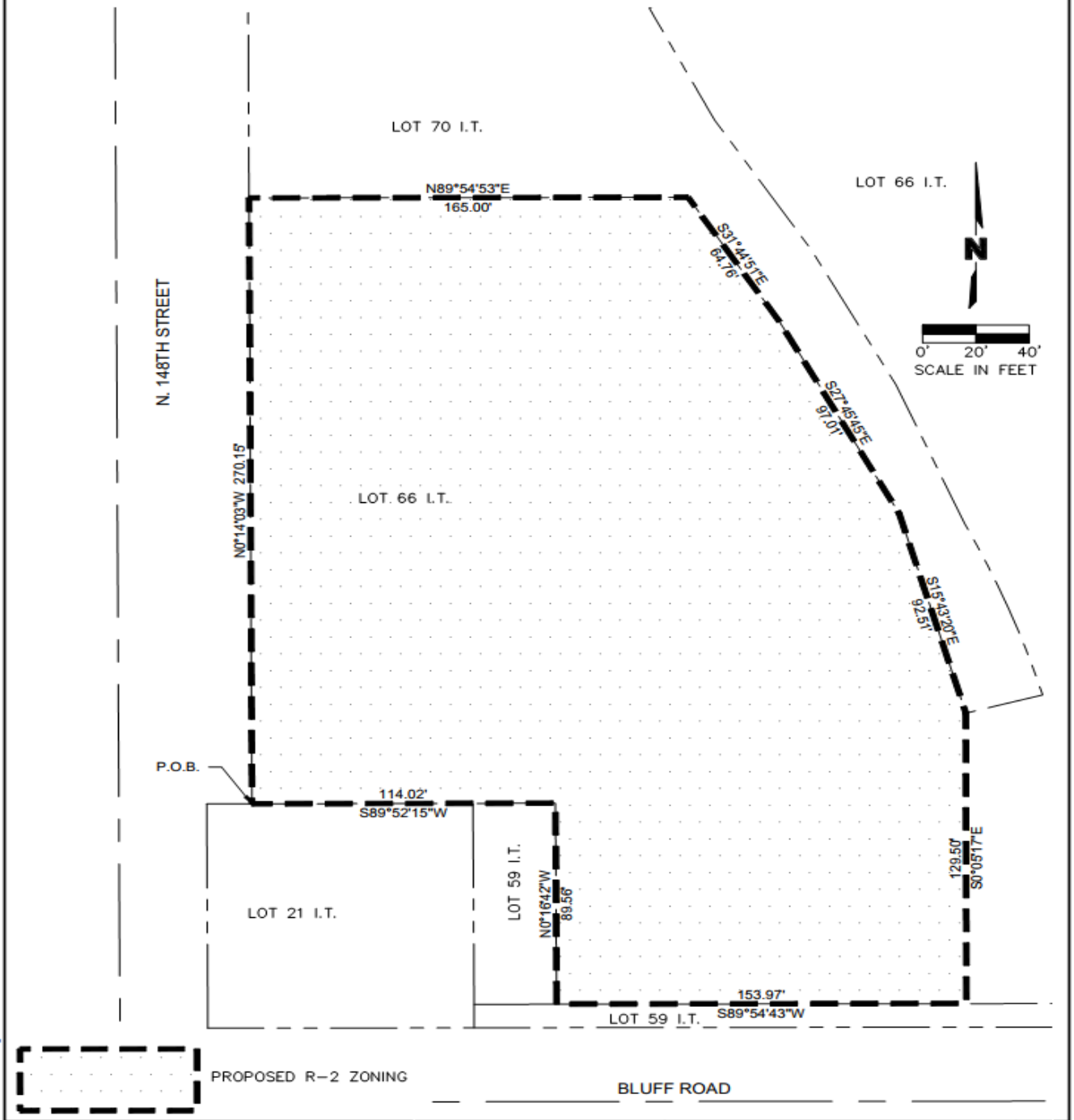
(SEAL)

Ord. No. 24-12 – Exhibit A

LEGAL DESCRIPTION

A TRACT OF LAND COMPOSED OF LOT 71 I.T., LOCATED IN THE WEST HALF OF SECTION 15, TOWNSHIP 11 NORTH, RANGE 8 EAST OF THE 6TH P.M., LANCASTER COUNTY, NEBRASKA, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

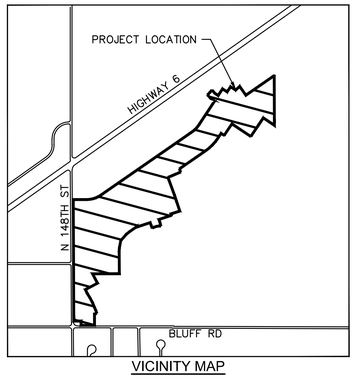
BEGINNING AT A SOUTHWEST CORNER OF SAID LOT 66 I.T., SAID POINT BEING A SOUTHEAST CORNER OF NORTH 148TH STREET RIGHT OF WAY, SAID POINT BEING ON THE NORTH LINE OF LOT 21 I.T.; THENCE N00°14'03"W, ON A WEST LINE OF SAID LOT 66 I.T., SAID LINE BEING AN EAST LINE OF SAID NORTH 148TH STREET RIGHT OF WAY, A DISTANCE OF 270.15' TO A POINT; THENCE N89°54'53"E, ON A NORTH LINE OF SAID LOT 66 I.T., A DISTANCE OF 165.00' TO A POINT; THENCE S31°44'51"E, ON A NORTHEAST LINE OF SAID LOT 66 I.T., A DISTANCE OF 64.76' TO A POINT; THENCE S27°45'45"E, ON A NORTHEAST LINE OF SAID LOT 66 I.T., A DISTANCE OF 97.01' TO A POINT; THENCE S15°43'20"E, ON AN EAST LINE OF SAID LOT 66 I.T., A DISTANCE OF 92.51' TO A POINT; THENCE S00°05'17"E, A DISTANCE OF 129.50' TO A POINT ON THE SOUTH LINE OF SAID LOT 66 I.T.; THENCE S89°54'43"W, ON A SOUTH LINE OF SAID LOT 66 I.T., SAID LINE BEING A NORTH INE OF LOT 59 I.T., A DISTANCE OF 153.97' TO A POINT; THENCE N00°16'42"W, ON A WEST LINE OF SAID LOT 66 I.T., SAID LINE BEING AN EAST LINE OF SAID LOT 59 I.T., A DISTANCE OF 89.56' TO A POINT; THENCE S89°52'15"W, ON A SOUTH LINE OF SAID LOT 66 I.T., SAID LINE BEING A NORTH LINE OF SAID LOT 59 I.T. AND THE NORTH LINE OF SAID LOT 21 I.T. A DISTANCE OF 114.02'; TO THE POINT OF BEGINNING, SAID TRACT CONTAINS A CALCULATED AREA OF 76,371.91 SQUARE FEET OR 1.75 ACRES, MORE OR LESS.



PROJECT NO: 022-01217 DRAWN BY: MCL DATE: 09.01.2024	CHANGE OF ZONE FOR A PORTION OF WAVERLY RIDGE ESTATES	olsson 601 P Street, Suite 200 P.O. Box 84608 Lincoln, NE 68508 olsson.com TEL 402.474.6311	EXHIBIT 1

DATE: Oct 22, 2024 10:31am USER: rlangdon

WAVERLY RIDGE
PUBLIC IMPROVEMENT COVER SHEET



VICINITY MAP

PROJECT CONTACTS

WINDSTREAM
401 S. 21ST STREET
P.O. BOX 81309
LINCOLN, NE 68510

LINCOLN ELECTRIC SYSTEM
2620 FAIRFIELD
P.O. BOX 80869
LINCOLN, NE 68501
ATTN: DANA DANIELS
402.467.7634

CHARTER COMMUNICATIONS
1-800-373-2225
WWW.CHARTERCOM.COM

BLACK HILLS ENERGY
1600 WINDHOEK DR.
P.O. BOX 38008
LINCOLN, NE 68501
ATTN: RANDY KREIFELS
402.437.1715

ALLO FIBER
330 S 21S ST.
LINCOLN NE 68510
ATTN: JAMES DOBESH
402.417.4014

PUBLIC WORKS
14130 LANCASHIRE
WAVERLY, NE 68462
ATTN: TRACEY WHYMAN
402.786.2312

BUILDING AND INSPECTIONS
14130 LANCASHIRE
WAVERLY, NE 68462
ATTN: MIKE PALM
402.786.2312

SHEET INDEX	
NUMBER	TITLE
1 OF 39	PUBLIC IMPROVEMENT COVER SHEET
2 OF 39	PUBLIC IMPROVEMENT NOTES
3 OF 39	PUBLIC SANITARY SEWER IMPROVEMENTS
4 OF 39	PUBLIC SANITARY SEWER IMPROVEMENTS
5 OF 39	PUBLIC SANITARY SEWER IMPROVEMENTS
6 OF 39	PUBLIC SANITARY SEWER IMPROVEMENTS
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17 OF 39	PUBLIC WATER MAIN IMPROVEMENTS
18 OF 39	PUBLIC STORM SEWER IMPROVEMENTS
19 OF 39	PUBLIC STORM SEWER IMPROVEMENTS
20 OF 39	PUBLIC STORM SEWER IMPROVEMENTS
21 OF 39	PUBLIC STORM SEWER IMPROVEMENTS
22 OF 39	PUBLIC PAVING IMPROVEMENTS
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31 OF 39	PUBLIC PAVING JOINTING PLAN
32 OF 39	PUBLIC PAVING JOINTING PLAN
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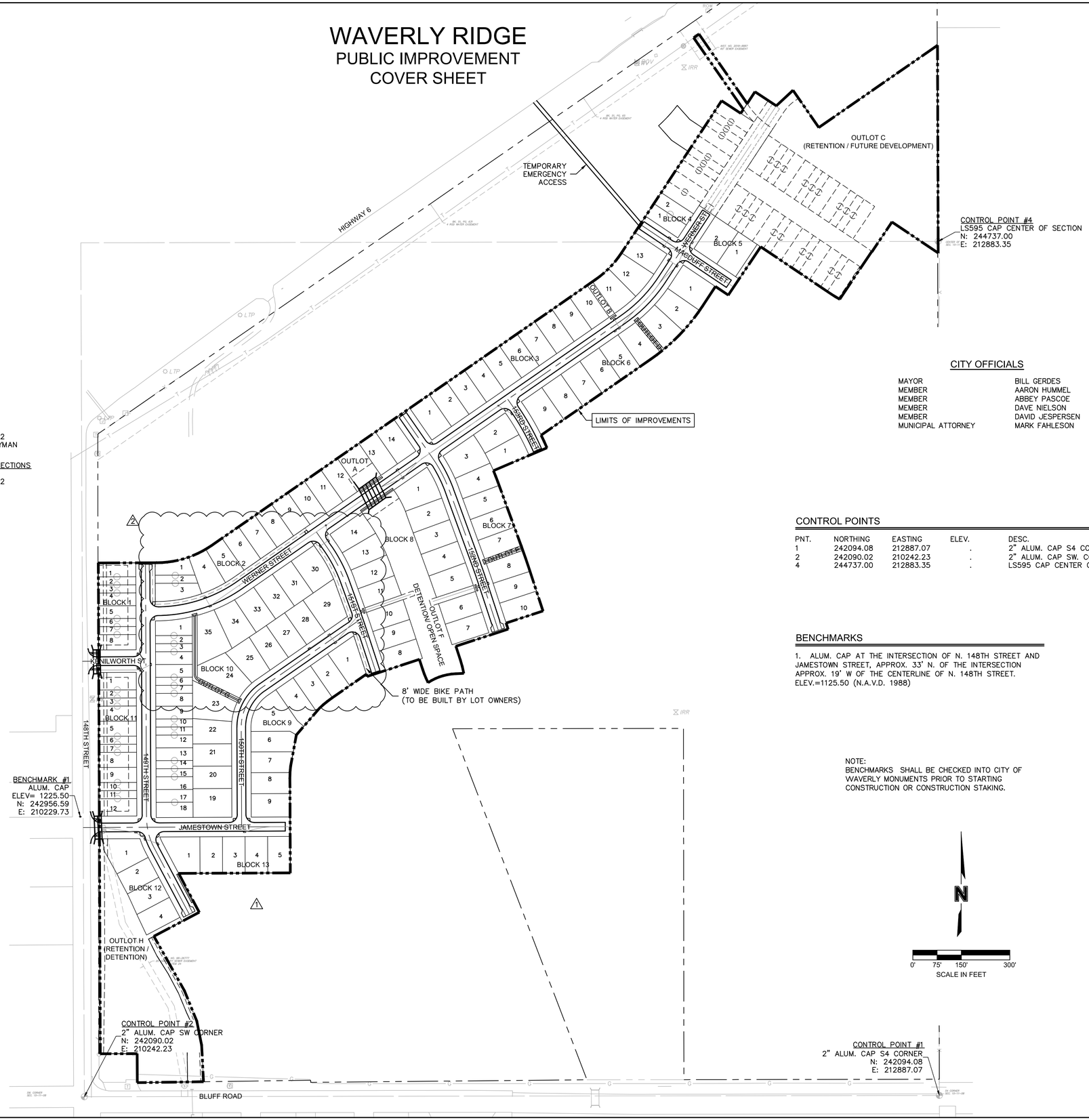
35 OF 39	DETAIL SHEET
36 OF 39	DETAIL SHEET
37 OF 39	DETAIL SHEET
38 OF 39	DETAIL SHEET
39 OF 39	DETAIL SHEET



CITY OFFICIALS

MAYOR	BILL GERDES
MEMBER	AARON HUMMEL
MEMBER	ABBEY PASCOE
MEMBER	DAVE NIELSON
MEMBER	DAVID JESPERSEN
MUNICIPAL ATTORNEY	MARK FAHLESON

CONTROL POINTS

PNT.	NORTHING	EASTING	ELEV.	DESC.
1	242094.08	212887.07	.	2" ALUM. CAP S4 CORNER
2	242090.02	210242.23	.	2" ALUM. CAP SW. CORNER
4	244737.00	212883.35	.	LS595 CAP CENTER OF SECTION

BENCHMARKS

1. ALUM. CAP AT THE INTERSECTION OF N. 148TH STREET AND JAMESTOWN STREET, APPROX. 33' N. OF THE INTERSECTION APPROX. 19' W OF THE CENTERLINE OF N. 148TH STREET. ELEV.=1125.50 (N.A.V.D. 1988)

NOTE:
BENCHMARKS SHALL BE CHECKED INTO CITY OF WAVERLY MONUMENTS PRIOR TO STARTING CONSTRUCTION OR CONSTRUCTION STAKING.

N

0' 75' 150' 300'
SCALE IN FEET

olsson
Engineering, Nebraska COA #CA-0638
601 P Street, Suite 200
P.O. Box 84608
Lincoln, NE 68508
TEL 402.474.6311
www.olsson.com

PROFESSIONAL ENGINEER
BRANDON D. BIBA
E-15425
STATE OF NEBRASKA
10-31-2024

REVISIONS		
REV. NO.	DATE	REVISIONS DESCRIPTION
1	10.8.2024	Adjust Boundary
2	10.31.2024	Bike Path Added

PUBLIC IMPROVEMENT COVER SHEET
WAVERLY RIDGE
2024
WAVERLY, NEBRASKA

drawn by: MCL
checked by: ENG
approved by: ENG
QA/QC by: ENG
project no.: 022-01217
drawing no.:
date:

SHEET
1 of 39

DWG: F:\2022\01001-01500\022-01217\40-Design\AutoCAD\Final Plans\Sheets\C_SIT01_02201217.dwg USER: mlangston
DATE: Oct 31, 2024 2:13pm XREFS: V_XTOPO_02201217 C_PBASE_02201217

WAVERLY RIDGE
PUBLIC IMPROVEMENT NOTES

GENERAL NOTES

1. CONTRACTOR TO PRESERVE ALL SURVEY CONTROL AND PROTECT ALL PROPERTY CORNERS.
2. PRIOR TO MOVING OFF THE JOB THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE CITY OF WAVERLY BUILDING AND INSPECTIONS OFFICE AND REQUEST A FINAL WALK–THROUGH OF THE CONSTRUCTION SITE.
3. LOCATION AND ELEVATIONS OF IMPROVEMENTS TO BE MET (OR AVOIDED) BY WORK TO BE DONE SHALL BE CONFIRMED BY THE CONTRACTOR THROUGH FIELD EXPLORATIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL REPORT TO THE DEVELOPER'S ENGINEER, CITY INSPECTOR, OR DEVELOPER'S ENGINEER FIELD REPRESENTATIVE ANY DISCREPANCIES BETWEEN HIS MEASUREMENTS AND THESE PLANS.
4. THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITY PIPES AND STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS TO THE BEST OF OUR KNOWLEDGE CONSTITUTES ALL KNOWN FACILITIES. HOWEVER, THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ANY EXISTING UTILITIES OR STRUCTURES LOCATED AT THE WORK SITE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT UNDERGROUND SERVICE ALERT @ 1–800–331–5666 IN ADVANCE OF ANY EXCAVATION FOR THE MARK–OUT OF THE LOCATION OF UTILITIES AND NOTIFICATION OF COMMENCEMENT OF WORK.
5. BEFORE EXCAVATING FOR THIS CONTRACT, THE CONTRACTOR SHALL FIELD VERIFY LOCATION OF UNDERGROUND UTILITIES. CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING UNDERGROUND UTILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLAN IF REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES.
6. CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER EXISTING LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
7. THE CONTRACTOR SHALL USE CAUTION AROUND ANY EXISTING UTILITIES OR IMPROVEMENTS LOCATED ON SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIRS OF SUCH STRUCTURES WHEN BROKEN OR OTHERWISE DAMAGED BY THE NEW CONSTRUCTION.
8. ALL SPOIL MATERIAL SHALL BE REMOVED FROM THE STREET ROW, UTILITY EASEMENT, OR ACCESS EASEMENT BY THE CONTRACTOR. SPOIL MATERIAL SHALL BE DEPOSITED WITHIN THE SITE DEVELOPMENT BOUNDARY IN AREAS DESIGNATED BY THE DEVELOPER'S ENGINEER. THE MATERIAL SHALL BE STOCKPILED OR SPREAD AS DIRECTED BY THE ENGINEER. NO SEPARATE PAYMENT SHALL BE MADE FOR DISPOSAL OF SPOIL MATERIAL; IT SHALL BE CONSIDERED SUBSIDIARY TO THE PRICE BID.
9. A PORTABLE RESTROOM FACILITY WILL BE REQUIRED ON–SITE DURING CONSTRUCTION ACTIVITIES.
10. ANY ON–SITE FUELING WILL COMPLY WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.
11. A CONCRETE TRUCK WASHOUT WILL BE LOCATED ON–SITE BY THE CONTRACTOR PER THE EROSION AND SEDIMENTATION CONTROL PLAN.
12. THE CONTRACTOR SHALL REPAIR OR REPLACE ALL EROSION CONTROL MEASURES DAMAGED BY CONSTRUCTION ACTIVITIES
13. EXISTING UTILITY LINES, EITHER OVERHEAD OR UNDERGROUND, AND PERMANENT STRUCTURE WITHIN THE PROPERTY LINES SHALL BE KEPT FREE OF DAMAGE BY CONTRACTOR'S OPERATIONS. IF SUCH UTILITY OR STRUCTURE IS DAMAGED, IT SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE. IF ANY UTILITY LINES OR STRUCTURES ARE DAMAGED DURING OPERATIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY FOR FURTHER INSTRUCTIONS.
14. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS PRIOR TO COMMENCING CONSTRUCTION.
15. CONTRACTOR IS RESPONSIBLE FOR ALL TRAFFIC CONTROL & SAFETY MEASURES.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION AND DUST CONTROL, ANY DAMAGE FROM BLOWING DUST OR EROSION AND RUNOFF FROM THE SITE SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
17. CONSTRUCTION FOUND TO BE UNACCEPTABLE TO THE DESIGN ENGINEER/ARCHITECT/OWNER/THE CITY OF WAVERLY BUILDING AND INSPECTIONS OFFICE SHALL BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.
18. ALL CONSTRUCTION SHALL BE SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE ENGINEER.
19. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE ALL TRAFFIC CONTROL THAT MAY BE NECESSARY DURING CONSTRUCTION ACTIVITIES.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROJECT SAFETY. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH OSHA REGULATIONS AND ALL APPLICABLE LOCAL, STATE, AND FEDERAL REQUIREMENTS.
21. ALL DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS SHALL BE HAULED OFF–SITE AND DISPOSED OF PROPERLY AND LEGALLY.
22. CONTRACTOR SHALL NOTIFY THE CITY OF WAVERLY AT (402)–786–2312 A MINIMUM OF 48 HRS PRIOR TO COMMENCING WORK TO ARRANGE FOR THE CITY'S CONSULTANT FOR ANY CONSTRUCTION OBSERVATION OR NECESSARY TESTING. ANY WORK DONE WITHOUT PROPER NOTIFICATION THE CONTRACTOR MAY BE ORDERED TO REMOVE OR REPLACE ANY WORK AT THE CONTRACTOR EXPENSE.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THEIR WORK WITH THE ENGINEER IN REQUESTING LINE STAKES AND GRADES.
24. THE FINAL PAY ESTIMATE WILL NOT BE PROCESSED UNTIL THE CONTRACTOR HAS SATISFACTORILY CLEANED AND FLUSHED THE PAVEMENT SLAB OF ALL RUBBISH, EXCESS MATERIAL, MUD, AND DEBRIS, AND ALL PARTS OF THE WORK AREA HAVE BEEN LEFT IN A NEAT AND PRESENTABLE MANNER. ALL DISTURBED RIGHT–OF–WAY AREAS SHALL BE RESTORED TO A LEVEL AND SMOOTH SECTION PRIOR TO ACCEPTANCE OF WORK.

SANITARY SEWER NOTES

1. FOR DETAILS OF MANHOLE RING, COVER, AND STEPS, SEE DETAILS AND PROJECT SPECIFICATIONS.
2. FOR DETAILS OF STANDARD SEWER MANHOLE, SEE DETAILS AND PROJECT SPECIFICATIONS.
3. FOR DETAILS OF PIPE BEDDING, SEE DETAIL SHEET.
4. FOR DETAILS OF STANDARD SANITARY SEWER SERVICES, SEE DETAIL SHEET.
5. FOR DETAILS OF SANITARY SEWER CONSTRUCTION, SEE THE PROJECT SPECIFICATIONS.
6. USE 3' COUPLINGS AS REQUIRED BY THE PROJECT SPECIFICATIONS. MINIMUM PIPE LENGTH = 6.25'. COUPLINGS WILL BE CONSIDERED SUBSIDIARY TO THE PRICE BID.
7. SANITARY SEWERS SHALL BE SEPARATED BY AT LEAST 10 FT. HORIZONTALLY FROM ANY EXISTING OR PROPOSED PARALLEL WATER MAINS, MEASURED EDGE TO EDGE.
8. AT ALL WATER MAIN CROSSINGS, SANITARY SEWERS SHALL BE LAID AT SUCH AN ELEVATION THAT THE TOP OF THE SANITARY SEWER IS AT LEAST 18 IN BELOW THE BOTTOM OF THE WATER MAIN. IN THOSE INSTANCES WHERE THE BOTTOM OF THE WATER MAIN IS LESS THAN 18 IN ABOVE THE TOP OF THE SANITARY SEWER OR THE SANITARY SEWER IS LOCATED ABOVE THE WATER MAIN, THE SANITARY SEWER SHALL BE CONSTRUCTED USING A 20 FT. LENGTH OF PVC PRESSURE PIPE, MEETING THE REQUIREMENTS OF AWWA C900 FOR DR18, PRESSURE RATING 150 PSI, CENTERED ON THE WATER MAIN.
9. ALL CONCRETE FOR STRUCTURES SHALL BE NDOT CLASS 47B – 3,500.
10. ALL SEWER PIPE INSTALLED UNDER THIS PROJECT SHALL BE INSPECTED BY T.V. CAMERA BY AN INDEPENDENT SEWER INSPECTION SERVICE. THE T.V. INSPECTION WILL BE PAID FOR BY THE CONTRACTOR. T.V. TAPE SHALL BE COMPATIBLE WITH VHS EQUIPMENT OR DVD (WHICHEVER CITY OF WAVERLY PREFERS).
11. INSTALLATION, MAINTENANCE AND REMOVAL OF EROSION CONTROL BMPS SHALL BE PERFORMED IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, NEBRASKA DEPARTMENT OF TRANSPORTATION, 2017 EDITION, DIVISION 800. CONTRACTOR IS REQUIRED TO MAINTAIN EROSION CONTROL BMPS DURING SEQUENCE OF CONSTRUCTION. FOLLOWING COMPLETION OF UTILITY CONSTRUCTION ACTIVITIES, CONTRACTOR MUST INSPECT EROSION CONTROL BMPS AND REPAIR OR REPLACE ALL BMPS TO ORIGINAL WORKING CONDITION.

WATER MAIN NOTES

1. FOR DETAILS OF PIPE BEDDING, SEE DETAIL SHEET.
2. FOR DETAILS OF THRUST BLOCKS, TEE BLOCKS, AND PLUG BLOCKS, SEE DETAIL SHEET.
3. FOR DETAILS OF HYDRANT INSTALLATIONS, SEE DETAIL SHEET.
4. FOR DETAILS OF WATER MAIN CONSTRUCTION, SEE THE PROJECT SPECIFICATIONS.
5. ALL ANCHORING COUPLINGS TO BE 18" IN LENGTH UNLESS OTHERWISE NOTED.
6. PRIOR TO FINAL ACCEPTANCE ALL WATER MAIN PIPE SHALL BE PRESSURE TESTED BY THE CONTRACTOR IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
7. LEAKAGE TEST AND PRESSURE TESTING SHALL CONFORM TO AWWA STANDARD C600 LATEST REVISIONS PER SECTION 8.5.5 OF THE RECOMMENDED STANDARDS FOR WATER WORKS.
8. WATER MAINS SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA STANDARD C651 LATEST REVISIONS PER SECTION 8.5.6 OF THE RECOMMENDED STANDARDS FOR WATER WORKS WITH TWO SAMPLES TAKEN 24 HOURS APART AT EVERY 1200 FEET AND AT EVERY DEAD END.
9. HYDRANTS SHALL BE KENNEDY GUARDIAN K81D/5'–6" BURY OR 6'–6" BURY. OUTLET THREADS SHALL BE NFPA 1963 WITH EXTERNAL HOSE THREAD USED BY LOCAL FIRE DEPARTMENT AND CAST IRON CAPS WITH STEEL CHAINS. OPERATING AND CAP NUTS SHALL BE PENTAGON 1–1/2" POINT TO FLAT WITH A DIRECTION OPENING TO THE LEFT. EXTERIOR SHALL BE RED ALKYD–GLOSS ENAMEL PAINT.
10. PRIOR TO FINAL ACCEPTANCE ALL WATER MAIN PIPE SHALL BE DISINFECTED BY THE CONTRACTOR IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
11. FOR PVC WATER MAIN CONSTRUCTION, ALL FITTINGS SHALL BE DUCTILE IRON WRAPPED WITH POLYWRAP. POLYWRAP SHALL BE LINEAR LOW DENSITY POLYETHYLENE FILM MANUFACTURED OF VIRGIN POLYETHYLENE MATERIAL. MINIMUM THICKNESS SHALL BE 8 MIL. POLYWRAP SHALL BE IN ACCORDANCE WITH DRAFT OF AWWA C105 REVISION, DOUBLE WRAPPED (2 LAYERS) AND TAPED AS PER THE PROJECT SPECIFICATIONS.
12. WHERE THE WATER MAIN IS TO BE CONSTRUCTED BELOW OR WITHIN 18 INCHES OF ANY SEWER PIPE, THE CONTRACTOR SHALL LAY A FULL LENGTH OF WATER MAIN PIPE CENTERED ON THE SEWER OR SUCH LENGTH AS WILL PROVIDE THE MAXIMUM POSSIBLE SEPARATION OF THE JOINTS IN THE WATER MAIN FROM THE SEWER LINE. IF NOT ALREADY SO, THE CONTRACTOR SHALL CONSTRUCT SANITARY SEWER WITH ONE 20 FOOT NOMINAL LENGTH OF PRESSURE PIPE MATERIAL CENTERED ON THE WATER MAIN AS PROVIDED IN SECTION 3.7 (02623), SUCH THAT THE MAXIMUM POSSIBLE SEPARATION BETWEEN THE WATER MAIN AND THE SEWER PIPE JOINTS WILL RESULT. THE BACKFILL MATERIAL SHALL BE SELECT, LOW PERMEABILITY SOIL.
13. ALL PERMANENT FIRE HYDRANTS SHALL BE INSTALLED TO LINE AND GRADE IN ACCORDANCE WITH THE PLAN DRAWINGS. FIRE HYDRANTS SHALL BE A MINIMUM OF 5.5' BURY AND SHALL BE SET SO THAT THE CENTER OF THE TRAFFIC FLANGE IS THREE (3') INCHES ABOVE THE TOP OF CURB GRADE.
14. PERMANENT FIRE HYDRANTS SHALL BE COUNTED AND PAID FOR AT THE CONTRACT UNIT PRICE BID FOR 'HYDRANT, COMPLETE L=5.5'' OR 'HYDRANT, COMPLETE L=6.5''. SUCH PRICE SHALL BE FULL COMPENSATION FOR ALL LOADING, HAULING, INSTALLATION, THRUST BLOCKING, HYDRANT BURY, HYDRANT DRAIN MATERIAL, BACKFILLING, LABOR, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK IN ACCORDANCE WITH THE SPECIFICATIONS, THE PLAN DRAWINGS (SEE DETAIL SHEET FOR FITTINGS REQUIRED) AND AS ACCEPTED BY THE ENGINEER.
15. AT ALL WATER MAIN CROSSINGS, SANITARY SEWERS SHALL BE LAID AT SUCH AN ELEVATION THAT THE TOP OF THE SANITARY SEWER IS AT LEAST 18 IN BELOW THE BOTTOM OF THE WATER MAIN.
16. ALL CONCRETE FOR STRUCTURES SHALL BE NDOT CLASS 47B – 3,500.
17. INSTALLATION, MAINTENANCE AND REMOVAL OF EROSION CONTROL BMPS SHALL BE PERFORMED IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, NEBRASKA DEPARTMENT OF TRANSPORTATION, 2017 EDITION, DIVISION 800. CONTRACTOR IS REQUIRED TO MAINTAIN EROSION CONTROL BMPS DURING SEQUENCE OF CONSTRUCTION. FOLLOWING COMPLETION OF UTILITY CONSTRUCTION ACTIVITIES, CONTRACTOR MUST INSPECT EROSION CONTROL BMPS AND REPAIR OR REPLACE ALL BMPS TO ORIGINAL WORKING CONDITION.
18. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY EROSION CONTROL BMP'S AND DEVICES TO ALLOW ADEQUATE FLUSHING OF WATER MAIN. FLUSHING AND DISINFECTION SHALL NOT PROCEED UNTIL EROSION CONTROL IS CONSTRUCTED.
19. FOR ANY WATER CROSSING OF A STORM SEWER INLET WITHIN 18" VERTICAL OR 4' HORIZONTAL, INLETS MUST BE WATERPROOFED – INCLUDING WATERSTOPS AT ALL CURB INLET CONSTRUCTION JOINTS AND A WATERPROOF COATING TO INTERIOR JOINTS, INCLUDING PIPE CONNECTIONS.

PAVING ITEM	UNIT	QUANTITY
7" P.C.C. PAVEMENT W/INT CURB	SY	19,785
2 5" P.C.C. PAVEMENT W/TEMP CURB	SY	114
CONCRETE SIDEWALK 4"	SF	4,334
3 REFLECTIVE POST, COMPLETE	EA	10
1–1/2" CRUSHED ROCK, IN PLACE	TON	48
2" CRUSHED ROCK ON FILTER FABRIC, IN PLACE	TON	84
3/8" LIMESTONE CHIPS, IN PLACE	TON	47
ADJUST WATER VALVE BOX TO FINAL GRADE	EA	42
ADJUST MANHOLE TO FINAL GRADE	EA	17
ADJUST INLET TO FINAL GRADE	EA	22
CONCRETE HEADER	LF	270
SURVEY MONUMENT BOX	EA	29
FULL DEPTH SAW CUTTING	LF	179
REMOVE AND DISPOSE ACC PAVEMENT	SF	175
CURB INLET PROTECTION	EA	26
3 "STOP" SIGN, COMPLETE	EA	4
"NO PARKING BETWEEN SIGNS" SIGN, COMPLETE	EA	4
"NO PARKING THIS BLOCK" SIGN, COMPLETE	EA	4

PAVING NOTES

1. ALL INTERSECTION RADII SHALL BE 25' UNLESS OTHERWISE NOTED.
2. CONSTRUCT PORTLAND CONCRETE PAVEMENT IN ACCORDANCE WITH DIVISION 600 OF NDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
3. PROVIDE OPENINGS IN CURB RAMP AS SHOWN ON THE PLANS.
4. MINIMUM SPACING FOR SAWED TRANSVERSE CONSTRUCTION JOINTS FOR P.C.C. SHALL BE 10'. SEE JOINTING PLAN AND DETAILS FOR JOINT SPACING.
5. TRANSVERSE JOINTS SHALL BE ALIGNED TO COINCIDE WITH THE CENTER LINE OF INTERSECTING SIDE STREETS WHEREVER POSSIBLE.
6. ALL SAWED TRANSVERSE JOINTS SHALL BE CONTINUOUS ACROSS THE PAVEMENT AND EXTEND THROUGH CURBS.
7. ALL CONCRETE SHALL BE PLACED IN ACCORDANCE WITH ACI 305 & 206 "HOT WEATHER" & COLD WEATHER" CONCRETING. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BLANKETS, EXTERNAL HEAT, OR OTHER METHODS AS REQUIRED TO ENSURE CONCRETE PLACEMENT AND TEMPERATURE ARE MAINTAINED WITHIN SPECIFIED REQUIREMENTS. CONCRETE SHALL BE MAINTAINED AT A MINIMUM TEMPERATURE OF 50° FOR THREE DAYS AFTER THE COMPLETION OF PLACEMENT.
8. ALL OTHER APPLICABLE SECTIONS FOR MATERIALS AND CONSTRUCTION, WITHIN THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2017 EDITION, NEBRASKA DEPARTMENT OF TRANSPORTATION, SHALL APPLY.
9. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF THE EXISTING PAVEMENT.
10. THE CONTRACTOR SHALL COORDINATE ALL PAVEMENT TESTING.
11. THE PAVING CONTRACTOR SHALL ADJUST ALL MANHOLES, VALVES, AND INLETS TO FINISH GRADE. THE PAVING CONTRACTOR IS RESPONSIBLE FOR SETTING INLET TOPS.
12. CONTRACTOR SHALL COMPLETE ALL NECESSARY PERMITS AND INSPECTIONS PRIOR TO CONSTRUCTION.
13. ALL DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
14. ALL CURB CUTS AND RAMPS SHALL BE IN COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT (FEDERAL REGISTER/VOLT. 58 NO. 144/RULES AND REGULATIONS).
15. HOT POURED JOINT SEALER SHALL BE USED AT ALL PAVEMENT JOINTS UNLESS OTHERWISE NOTED.
16. CONSTRUCT ROCK RIP RAP, IN ACCORDANCE WITH DIVISION 900 OF NDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. RIP RAP SHALL BE UNDERLAIN WITH GEOTEXTILE FILTER FABRIC (MIRIFI 180N OR APPROVED EQUAL).
17. THE FINISHED GRADES ON THE PLAN AND PROFILES ARE PROPOSED CENTERLINE TOP OF SLAB ELEVATION.
18. WITHIN ONE (1) HOUR, THE CONCRETE PAVEMENT SHALL BE CURED USING A WHITE PIGMENTED LIQUID MEMBRANE–FORMING CURING COMPOUND THAT HAS BEEN APPROVED BY THE STATE OF NEBRASKA DEPARTMENT OF TRANSPORTATION. APPLY LIQUID MEMBRANE–FORMING CURING COMPOUND AT THE CONCENTRATION AND APPLICATION RATE RECOMMENDED BY THE MANUFACTURER.
19. ALL INTERSECTIONS SHALL BE WARPED AS DIRECTED BY THE ENGINEER IN THE FIELD TO ENSURE POSITIVE DRAINAGE.
20. A DIAMOND EDGE SAW BLADE SHALL BE USED FOR CUTTING ALL REQUIRED CONTRACTION AND LONGITUDINAL PAVEMENT JOINTS. ALL SAW CUTS REQUIRED SHALL BE SUBSIDIARY TO ITEMS FOR WHICH DIRECT PAYMENT IS MADE.
21. ALL CONCRETE SHALL BE CLASS NDOT 47B–3500, UNLESS OTHERWISE NOTED.
22. CONTRACTOR IS REQUIRED TO REMOVE EXISTING INLET PROTECTION FROM STORM SEWER SYSTEM PRIOR TO PAVING OPERATIONS. FOLLOWING COMPLETION OF PAVING, CONTRACTOR SHALL INSTALL NEW CURB INLET PROTECTION AT EACH INLET LOCATION. INSTALLATION, MAINTENANCE AND REMOVAL OF INLET PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, NEBRASKA DEPARTMENT OF TRANSPORTATION, 2017 EDITION, DIVISION 800.

STORM SEWER NOTES

1. FOR DETAILS OF STORM SEWER CONSTRUCTION. SEE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, NEBRASKA DEPARTMENT OF TRANSPORTATION, 2017 EDITION, DIVISION 900, SECTION 916. ALL STANDARD SPECIFICATIONS AND ADDENDUMS SHALL APPLY.
2. ALL STATIONING AND DIMENSIONS ARE TO BE CENTERLINE OF VAULT UNLESS OTHERWISE NOTED.
3. ALL STORM SEWER CONNECTIONS SHALL BE SOIL–TIGHT (MINIMUM).
4. ALL PIPE SHALL HAVE INTERIOR WALL WITH A MANNING'S ROUGHNESS VALUE OF 0.013 OR LESS.
5. ALL PIPE SHALL BE INSTALLED WITH GRANULAR BEDDING IN ACCORDANCE WITH BEDDING DETAIL INCLUDED IN PLANS AND THE MANUFACTURER'S INSTALLATION REQUIREMENTS. IN CASE OF CONFLICT THE MORE STRINGENT REQUIREMENTS SHALL GOVERN.
6. CONCRETE FOR STORM STRUCTURES SHALL BE NDOT CLASS 47B – 3,500.
7. FOR DETAIL OF STORM SEWER CURB INLET SEE DETAIL SHEET.
8. FOR DETAILS OF STORM SEWER MANHOLE SEE DETAIL SHEET.
9. INSTALLATION, MAINTENANCE AND REMOVAL OF EROSION CONTROL BMPS SHALL BE PERFORMED IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, NEBRASKA DEPARTMENT OF TRANSPORTATION, 2017 EDITION, DIVISION 800. CONTRACTOR IS REQUIRED TO MAINTAIN EROSION CONTROL BMPS DURING SEQUENCE OF CONSTRUCTION. FOLLOWING COMPLETION OF UTILITY CONSTRUCTION ACTIVITIES, CONTRACTOR MUST INSPECT EROSION CONTROL BMPS AND REPAIR OR REPLACE ALL BMPS TO ORIGINAL WORKING CONDITION.
10. FOR ANY WATER CROSSING OF A STORM SEWER INLET WITHIN 18" VERTICAL OR 4' HORIZONTAL, INLETS MUST BE WATERPROOFED – INCLUDING WATERSTOPS AT ALL CURB INLET CONSTRUCTION JOINTS AND A WATERPROOF COATING TO INTERIOR JOINTS, INCLUDING PIPE CONNECTIONS.

SANITARY SEWER ITEM	UNIT	QUANTITY
4 2 8" SANITARY SEWER PIPE, SDR26	LF	5,819
10" SANITARY SEWER PIPE, SDR26	LF	300
~~12" SANITARY SEWER PIPE~~	~~LF~~	~~300~~
~~15" SANITARY SEWER PIPE~~	~~LF~~	~~181~~
18" SANITARY SEWER PIPE, SDR26	LF	561
FOUNDATION MATERIAL, IN PLACE	CY	370
STANDARD MANHOLE	EA	16
STANDARD MANHOLE	VF	241.2
REMOVE 18" PVC PLUG	EA	1
2 18" PVC PLUG	EA	2
~~10" PVC PLUG~~	~~EA~~	~~1~~
8" PVC PLUG	EA	6
4 3 DEGREE COUPLING, 8"	EA	59
~~3 DEGREE COUPLING, 10"~~	~~EA~~	~~7~~
3 DEGREE COUPLING, 18"	EA	7
8" CLEAN OUT COMPLETE	EA	6
CONSTRUCT 4" SEWER SERVICE	EA	147
4 2 8" X 4" SERVICE 'Y' FITTING	EA	134
10" X 4" SERVICE 'Y' FITTING	EA	7
~~12" X 4" SERVICE 'Y' FITTING~~	~~EA~~	~~7~~
18" X 4" SERVICE 'Y' FITTING	EA	6
4" SEWER SERVICE PIPE, SCHEDULE 40 PVC*	LF	5,492
*INCLUDES 5' RISER AT SERVICE		

WATER ITEM	UNIT	QUANTITY
2 6" WATER MAIN, DR 18	LF	3,447
10" WATER MAIN, DR 18	LF	3,176
10" SMOOTH STEEL CASING	LF	25
16" SMOOTH STEEL CASING	LF	95
16" X 6" TAPPING SLEEVE AND VALVE, M.J.	EA	1
16" X 10" TAPPING SLEEVE AND VALVE, M.J.	EA	1
6" SOLID SLEEVE, M.J. (L=12")	EA	5
10" SOLID SLEEVE, M.J. (L=12")	EA	4
10" X 6" CROSS, M.J.	EA	3
6" X 6" TEE, M.J.	EA	11
10" X 6" TEE, M.J.	EA	5
10" X 10" TEE, M.J.	EA	3
6" X 11.25 DEGREE BEND, M.J.	EA	7
10" X 11.25 DEGREE BEND, M.J.	EA	5
10" X 22.5 DEGREE BEND, M.J.	EA	2
10" X 45 DEGREE BEND, M.J.	EA	4
10" OFFSET, M.J., 24"	EA	1
6" GATE VALVE, M.J.	EA	34
10" GATE VALVE, M.J.	EA	9
10" X 6" REDUCER, M.J.	EA	4
ANCHORING ELBOW, M.J.	EA	12
ANCHOR COUPLING, M.J.	EA	21
HYDRANT, COMPLETE, L=5.5'	EA	14
HYDRANT, COMPLETE, L=6.5'	EA	9
HYDRANT EXTENTION, L=12"	EA	1
6" RETAINER GLAND, M.J.	EA	95
10" RETAINER GLAND, M.J.	EA	78
CONCRETE FOR TEE & THRUST BLOCKS	CY	22.42
STEEL FOR TEE & THRUST BLOCKS	LBS	607.1

STORM SEWER ITEM	UNIT	QUANTITY
15" RCP STORM SEWER PIPE, CLASS III	LF	1,311
18 RCP STORM SEWER PIPE, CLASS III	LF	685
24" RCP STORM SEWER PIPE, CLASS III	LF	790
30" RCP STORM SEWER PIPE, CLASS III	LF	158
72" STORM SEWER INLET – STRAIGHT	EA	20
72" CANTED STORM SEWER INLET	EA	7
STORM SEWER MANHOLE 15" – 30"	EA	3
15" RCP FES	EA	2
24" RCP FES	EA	2
30" RCP FES	EA	1
CLASS 'B' RIP–RAP ON FILTER FABRIC	TON	142
CURB INLET PROTECTION	EA	26

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PROFESSIONAL CIVIL ENGINEER BRANDON D. BIBA E-15425 STATE OF NEBRASKA
7-31-2024

REV. NO.	DATE	REVISIONS DESCRIPTION
1	8.20.2024	City Comments
2	10.8.2024	Adjust Flowlines & Pipe Sizes, Add 5" Pvc.
3	10.31.2024	Paving Quantities
4	11.05.2024	Adjust Flowlines & Pipe Sizes

REVISIONS

PUBLIC IMPROVEMENT NOTES

WAVERLY RIDGE

2024

WAVERLY, NEBRASKA

drawn by: MCL
checked by: ENG
approved by: ENG
QA/QC by: ENG
project no.: 022-01217
drawing no.:
date:

SHEET 2 of 39

DWG: F:\2022\01001-01500\022-01217\40-Design\AutoCAD\Final Plans\Sheets\C_GNL01_02201217.dwg USER: mlangston
DATE: Nov 05, 2024 1:50pm XREFS:

WAVERLY RIDGE
PUBLIC SANITARY SEWER IMPROVEMENTS

CURVE TABLE						
CURVE ID	RADIUS (FT)	DELTA	LENGTH (FT)	CHORD BEARING	CHORD LENGTH (FT)	3" COUPLINGS
C1	248.00	020.6924	89.57	S45°39'46.70"E	89.08	7
C2	467.00	021.9394	178.82	N44°18'33.47"E	177.73	7

USE 3" COUPLINGS AS REQUIRED BY THE PROJECT SPECIFICATIONS. MINIMUM PIPE LENGTH = 6.25'. COUPLINGS WILL BE CONSIDERED SUBSIDIARY TO THE PRICE BID.

N

0' 25' 50' 100'
SCALE IN FEET

EMH#1
STA: 0+00.00 (WERNER STREET)
TAP EXISTING 60" MH, REMOVE AND RESHAPE INVERT
RIM=1116.77
SE INV. OUT=1099.19 (18")±
(CONTRACTOR TO VERIFY)
NW INV. OUT=1099.19 (18")±
(CONTRACTOR TO VERIFY)
N: 245367.40, E: 212135.78

PLG#1
STA: 0+10.00 (ALIGN – SAN WALTER)
REMOVE AND DISPOSE, 10 LF EXISTING 8" SANITARY SEWER MAIN
N: 245359.18, E: 212141.47

HIGHWAY 6

PCHC 'C1'
STA: 2+70.37 (WERNER STREET)
N: 245146.73, E: 212291.99

MH#3
STA: 3+59.93 (WERNER STREET)
TYPE 'P' M.H., PTHC 'C1'
RIM=1119.13
SW INV. IN=1099.63 (18")
NE INV. IN=1099.63 (18")
NW INV. OUT=1099.63 (18")
N: 245084.47
E: 212355.70

MH#2
STA: 5+41.21 (WERNER STREET)
TYPE 'P' MH
RIM=1117.78
SW INV. IN=1100.52 (10")
SE INV. IN=1099.95 (18")
NE INV. OUT=1099.85 (18")
N: 244933.03
E: 212256.07

PTHC 'C2'
STA: 11+08.04 (WERNER STREET)
INV. EL=1102.52
N: 244481.69, E: 211918.67

MH#4
STA: 12+20.06 (WERNER STREET)
48" MH
RIM=1119.11
SW INV. IN=1102.96 (8")
NE INV. OUT=1102.96 (8")
N: 244417.88
E: 211826.59

PCHC 'C2'
STA: 9+29.22 (WERNER STREET)
INV. EL=1101.80
N: 244608.87, E: 212042.82

MH#3
STA: 8+41.22 (WERNER STREET)
STA:30+00 (MACDUFF STREET)
48" DROP MH
RIM=1118.24
SW INV. IN=1101.45 (8")
SE INV. IN=1105.16 (8")
NE INV. OUT=1101.35 (10")
N: 244682.39
E: 212091.18

PLG#2
STA: 3+59.81 (WERNER STREET)
INSTALL:
1 – 18" PVC PLUG
INV. EL=1099.64
N: 245092.82
E: 212361.20

PLG#3
STA: 5+41.17, 10.00' L (WERNER STREET)
INSTALL:
1 – 18" PVC PLUG
INV. EL=1099.96
N: 244927.56
E: 212264.44

MACDUFF STREET
OUTLOT B
BLOCK 3
BLOCK 4
BLOCK 5
BLOCK 6
WERNER STREET
MATCH LINE (SEE SHEET 4 OF 39)

LEGEND

- PROPOSED WATER MAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- ROAD RIGHT-OF-WAY
- EASEMENT LINE
- LOT LINE
- ROADWAY CENTERLINE
- SECTION LINE
- SANITARY SEWER MANHOLE
- FIRE HYDRANT
- WATER VALVE
- STORM SEWER INLET
- SURVEY MONUMENT BOX

CONTROL POINTS

PNT.	NORTHING	EASTING	ELEV.	DESC.
1	242094.08	212887.07	.	2" ALUM. CAP S4 CORNER
2	242090.02	210242.23	.	2" ALUM. CAP SW. CORNER
4	244737.00	212883.35	.	LS595 CAP CENTER OF SECTION

BENCHMARKS

1. ALUM. CAP AT THE INTERSECTION OF N. 148TH STREET AND JAMESTOWN STREET, APPROX. 33' N. OF THE INTERSECTION APPROX. 19' W OF THE CENTERLINE OF N. 148TH STREET. ELEV.=1125.50 (N.A.V.D. 1988)

0' 25' 50' 100'
SCALE IN FEET

MH#4 STA: 12+20.06 RIM=1119.11
MH#3 STA: 8+41.22 RIM=1118.24
MH#2 STA: 5+41.21 RIM=1117.78
MH#1 STA: 3+59.93 RIM=1119.13
EMH#1 STA: 0+00.00 RIM=1116.77

PROPOSED GRADE AT PIPE CL
PROPOSED FUTURE GRADE AT PIPE CL
EXISTING GRADE AT PIPE CL
FUTURE ROADWAY GRADING

STA: 11+48.68 EL= 1115.80
STA: 11+33.18 EL= 1115.40
STA: 11+27.88 EL= 1115.33
STA: 8+67.42 EL= 1115.33
STA: 8+24.22 EL= 1114.24
STA: 8+07.22 EL= 1111.68
STA: 7+81.41 EL= 1115.61

8" SAN @ 0.40%
8" SAN @ 0.40%
10" SAN @ 0.28%
18" SAN @ 0.12%
18" SAN @ 0.12%

SW INV. IN=1102.96
NE INV. OUT=1102.96
STA: 11+48.68 CROSS STORM INLET FL= 1102.89
STA: 11+33.18 CROSS STORM INLET FL= 1102.62
STA: 11+17.60 CROSS 12" RCP FL= 1102.55
STA: 8+67.42 CROSS STORM INLET FL= 1101.55
SW INV. IN=1101.45
SE INV. IN=1105.16
NE INV. OUT=1101.35
STA: 8+23.22 CL MACDUFF STREET
STA: 8+07.22 CROSS 6" WATER MAIN FL= 1101.26
STA: 7+81.41 CROSS STORM INLET FL= 1101.18
SW INV. IN=1100.52
SE INV. IN=1099.95
NE INV. OUT=1099.85
SW INV. IN=1099.63
NE INV. IN=1099.63
NW INV. OUT=1099.63
SE INV. OUT=1099.19
NW INV. OUT=1099.19

MATCH LINE
MATCH LINE (SEE SHEET 4 OF 39)

1130 1125 1120 1115 1110 1105 1100 1095 1090 1085

14+00 13+00 12+00 11+00 10+00 9+00 8+00 7+00 6+00 5+00 4+00 3+00 2+00 1+00 0+00

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PROFESSIONAL CIVIL ENGINEER
BRANDON D. BIBA
E-15425
7-31-2024
STATE OF NEBRASKA

REVISIONS

REV. NO.	DATE	REVISIONS DESCRIPTION
1	8.20.2024	Adjust Flowlines
2	10.8.2024	Adjust Flowlines & Pipe Sizes
3	11.05.2024	Adjust Flowlines & Pipe Sizes

PUBLIC SANITARY SEWER IMPROVEMENTS
WAVERLY RIDGE
WAVERLY, NEBRASKA
2024

drawn by: MCL
checked by: ENG
approved by: ENG
QA/QC by: ENG
project no.: 022-01217
drawing no.:
date:

SHEET 3 of 39

DWG: F:\2022\01001-01500\022-01217\40-Design\AutoCAD\Final Plans\Sheets\C_SAN01_02201217.dwg USER: mlangston
DATE: Nov 05, 2024 10:38am XREFS: V_XTOPO_02201217 C_PBASE_02201217

WAVERLY RIDGE
PUBLIC SANITARY SEWER IMPROVEMENTS

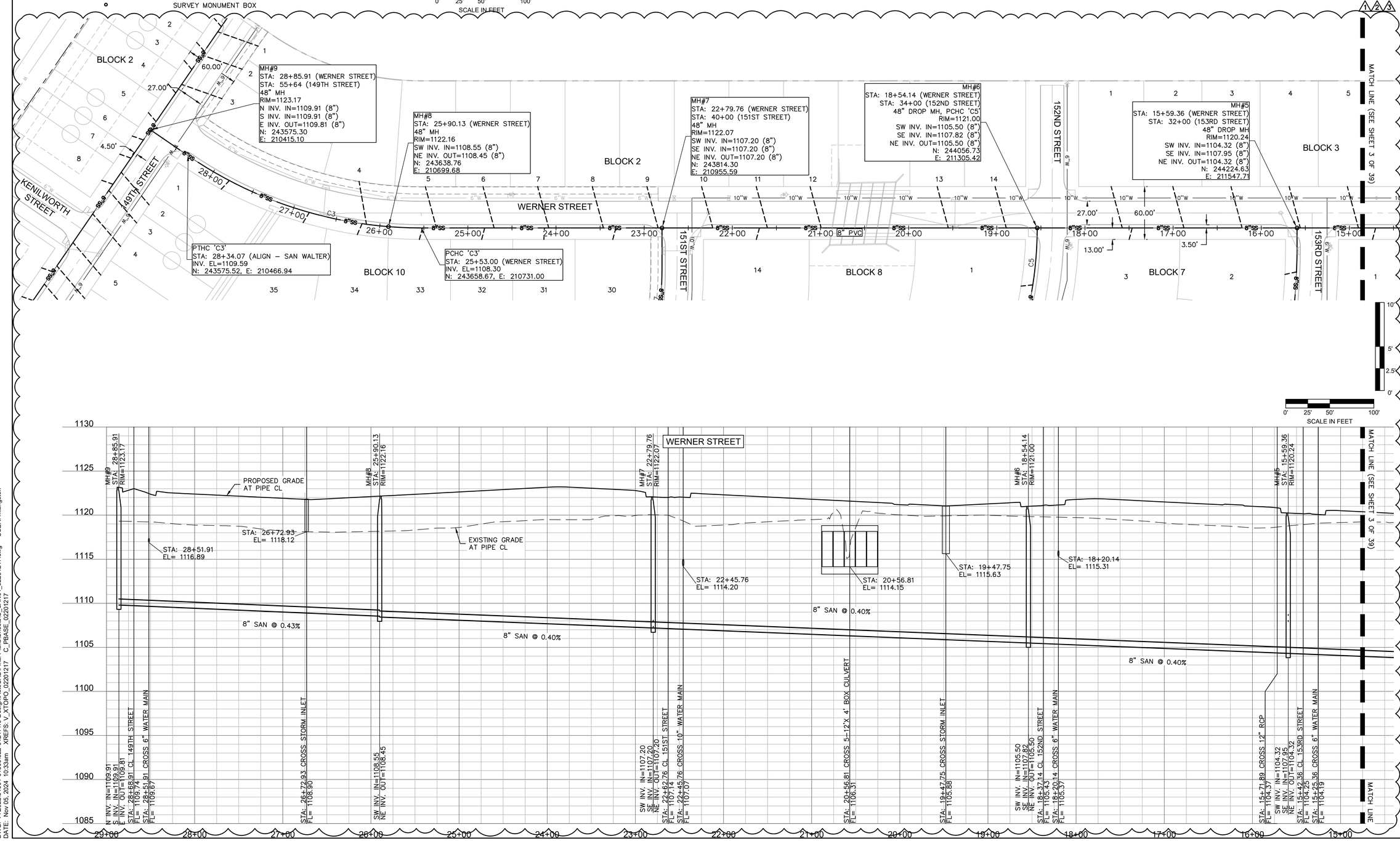
LEGEND

- PROPOSED WATER MAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- ROAD RIGHT-OF-WAY
- EASEMENT LINE
- LOT LINE
- ROADWAY CENTERLINE
- SECTION LINE
- SANITARY SEWER MANHOLE
- FIRE HYDRANT
- WATER VALVE
- STORM SEWER INLET
- SURVEY MONUMENT BOX

N

0' 25' 50' 100'
SCALE IN FEET

CURVE TABLE						
CURVE ID	RADIUS (FT)	DELTA	LENGTH (FT)	CHORD BEARING	CHORD LENGTH (FT)	3" COUPLINGS
C3	467.00	034.4843	281.07	N72°31'16.18"E	276.85	11



0' 2.5' 5' 10'

0' 25' 50' 100'
SCALE IN FEET

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BRANDON D. BIBA E-15425 7-31-2024 NEBRASKA STATE REGISTERED PROFESSIONAL ENGINEER

REV. NO.	DATE	REVISIONS DESCRIPTION
1	8.29.2024	Adjust Flowlines
2	10.8.2024	Adjust Flowlines & Pipe Sizes
3	10.05.2024	Adjust Flowlines & Pipe Sizes

REVISIONS

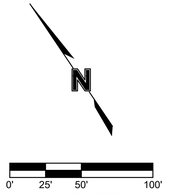
PUBLIC SANITARY SEWER IMPROVEMENTS
WAVERLY RIDGE
WAVERLY, NEBRASKA
2024

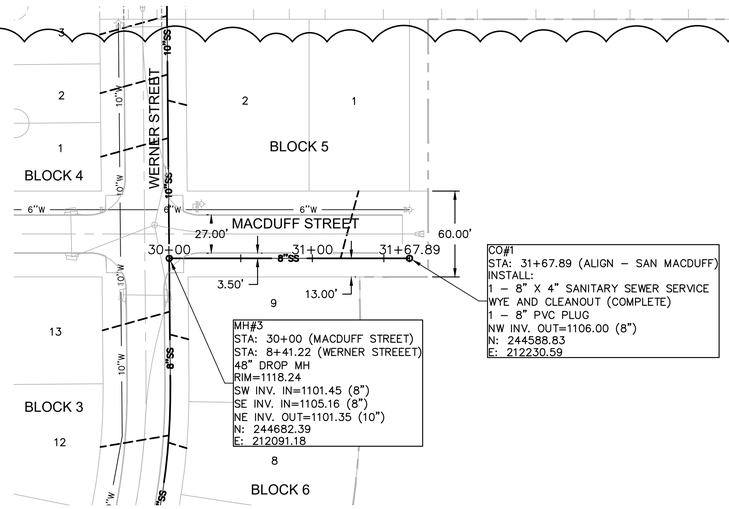
drawn by:	MCL
checked by:	ENG
approved by:	ENG
QA/QC by:	ENG
project no.:	022-01217
drawing no.:	
date:	

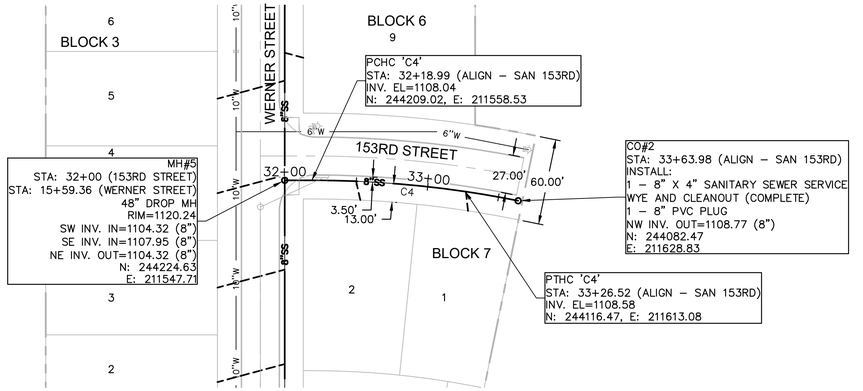
SHEET 4 of 39

DWG: F:\2022\01001-01500\022-01217\40-Design\AutoCAD\Final Plans\Sheets\C_SAN01_02201217.dwg USER: mlangston
DATE: Nov 05, 2024 10:33am XREFS: V_XTOPO_02201217 C_PBASE_02201217

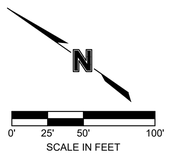
WAVERLY RIDGE
PUBLIC SANITARY SEWER IMPROVEMENTS

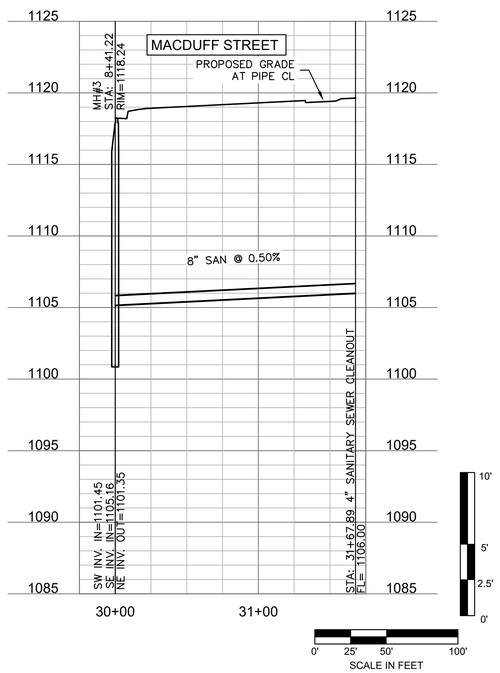






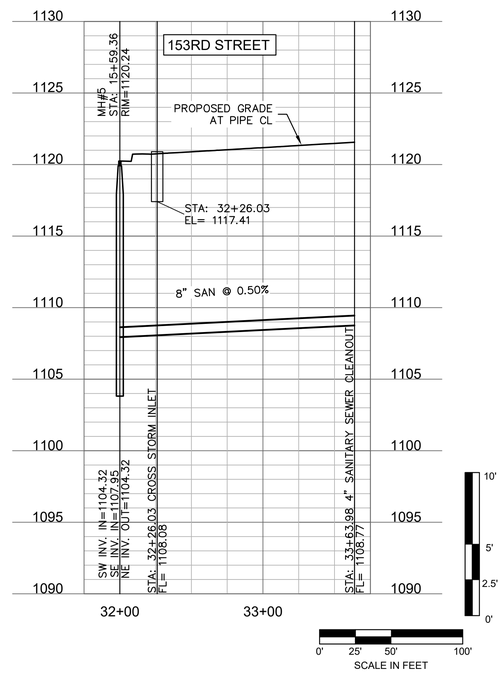
CURVE TABLE						
CURVE ID	RADIUS (FT)	DELTA	LENGTH (FT)	CHORD BEARING	CHORD LENGTH (FT)	3" COUPLINGS
C4	733.00	008.4049	107.53	N30°31'06.72"W	107.43	3





LEGEND

- PROPOSED WATER MAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- ROAD RIGHT-OF-WAY
- EASEMENT LINE
- LOT LINE
- ROADWAY CENTERLINE
- SECTION LINE
- SANITARY SEWER MANHOLE
- FIRE HYDRANT
- WATER VALVE
- STORM SEWER INLET
- SURVEY MONUMENT BOX



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BRANDON D. BIBA
E-15425
7-31-2024
REGISTERED PROFESSIONAL ENGINEER
STATE OF NEBRASKA

REV. NO.	DATE	REVISIONS DESCRIPTION
1	8.20.2024	Adjust Flowlines
2	10.8.2024	Adjust Flowlines & Pipe Sizes
3	11.05.2024	Adjust Flowlines & Pipe Sizes

REVISIONS

PUBLIC SANITARY SEWER IMPROVEMENTS

WAVERLY RIDGE

WAVERLY, NEBRASKA

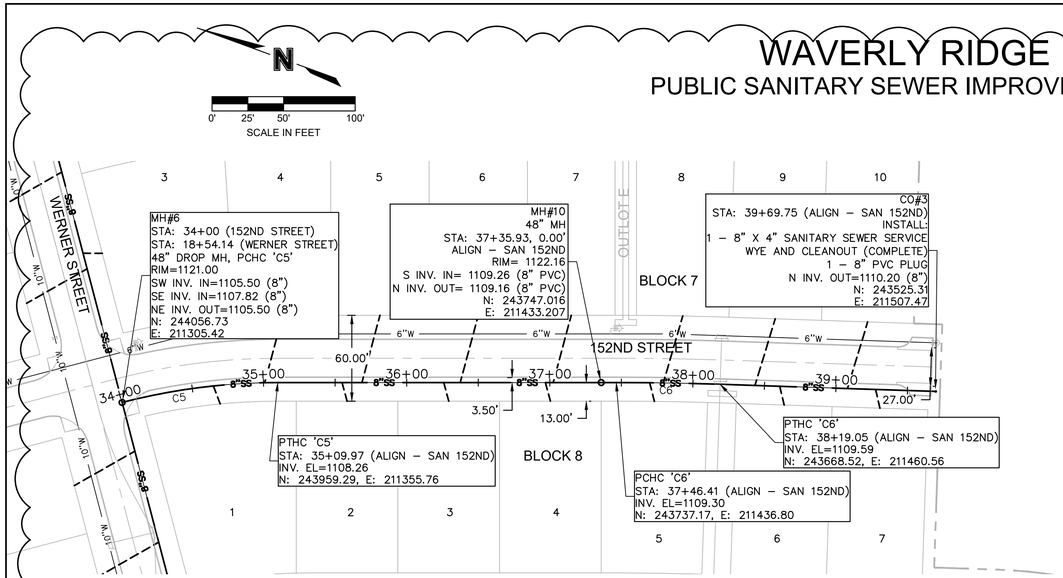
2024

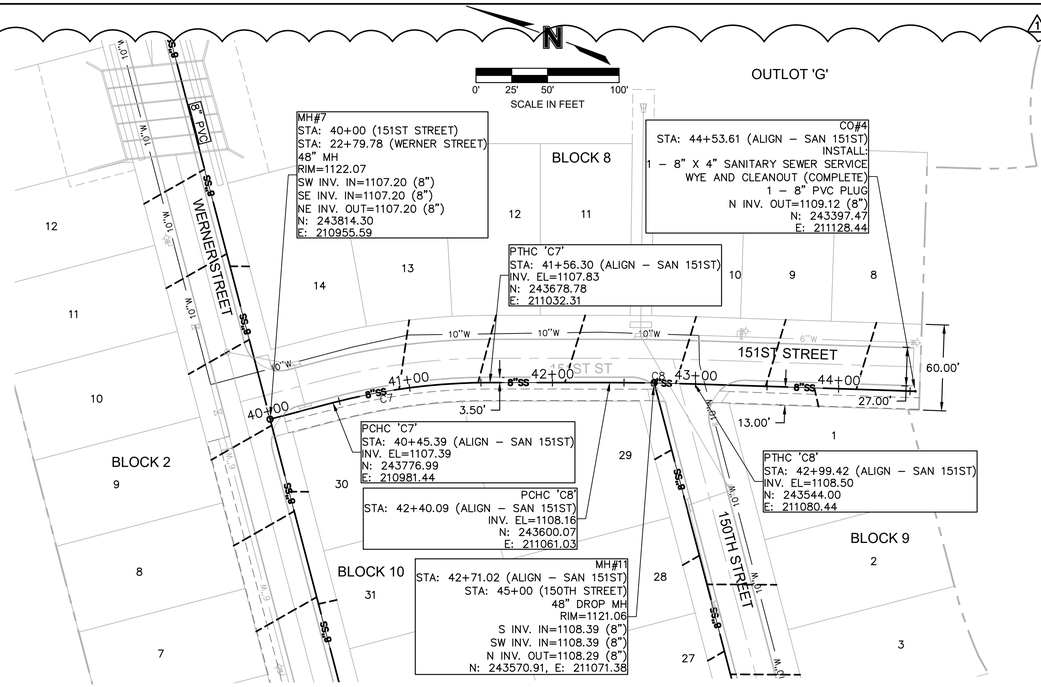
drawn by: MCL
checked by: ENG
approved by: ENG
QA/QC by: ENG
project no.: 022-01217
drawing no.:
date:

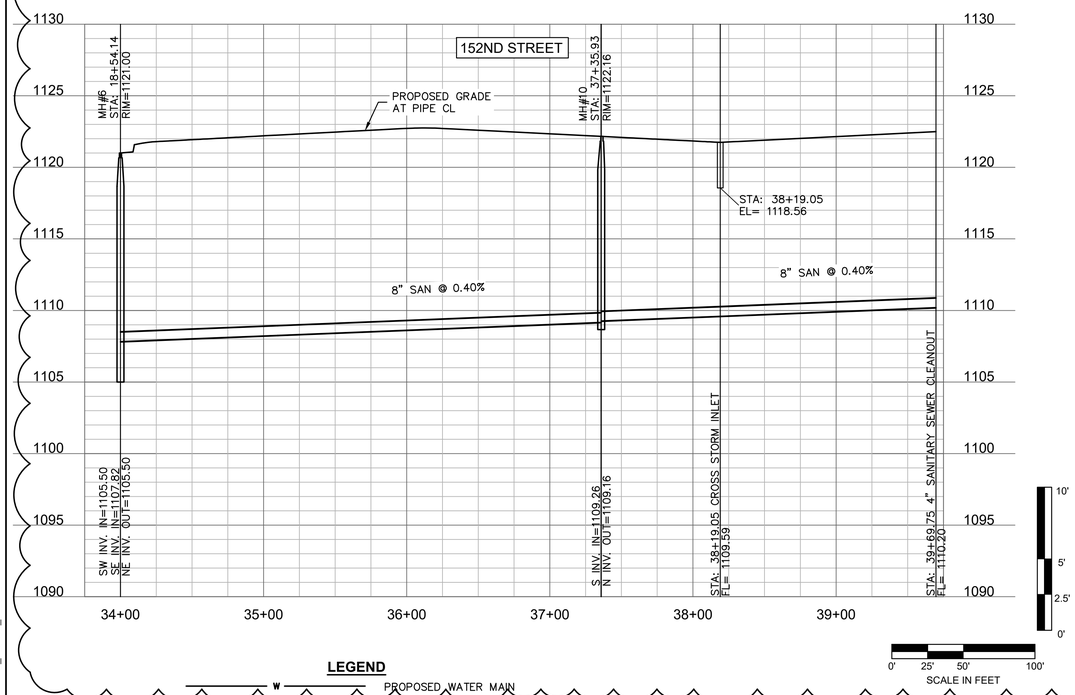
SHEET
5 of 39

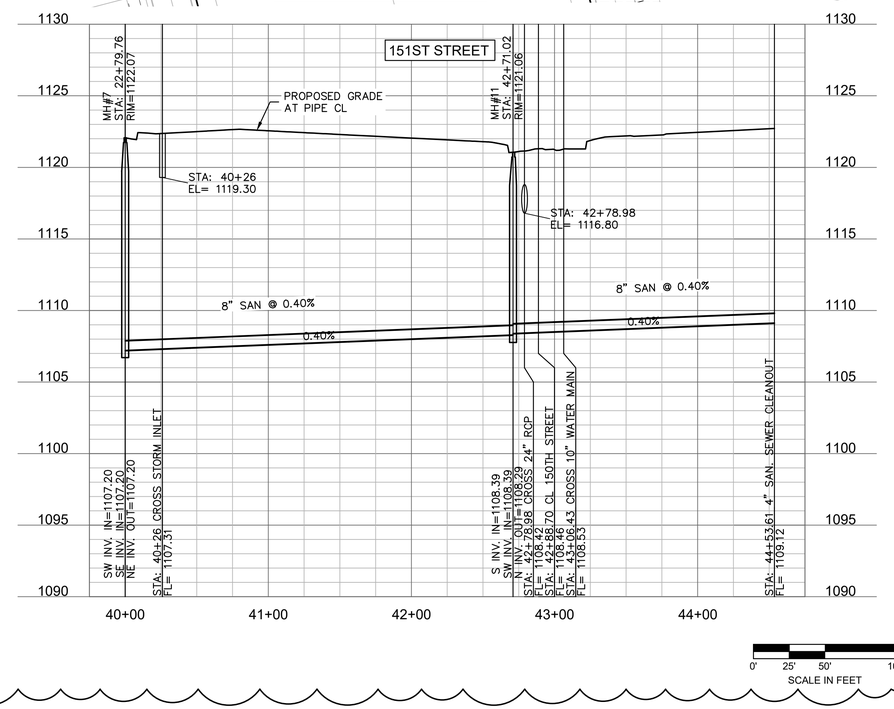
DWG: F:\2022\01001-01500\022-01217\40-Design\AutoCAD\Final Plans\Sheets\C_SAN01_02201217.dwg USER: mlangston
DATE: Nov 05, 2024 10:44am XREFS: V_XTOPO_02201217 C_PBASE_02201217

WAVERLY RIDGE
PUBLIC SANITARY SEWER IMPROVEMENTS









LEGEND

- PROPOSED WATER MAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- ROAD RIGHT–OF–WAY
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- SANITARY SEWER MANHOLE
- FIRE HYDRANT
- WATER VALVE
- STORM SEWER INLET
- SURVEY MONUMENT BOX

CURVE TABLE						
CURVE ID	RADIUS (FT)	DELTA	LENGTH (FT)	CHORD BEARING	CHORD LENGTH (FT)	3" COUPLINGS
C5	433.00	014.5511	109.97	N27°19'12.78"W	109.67	5
C6	2183.00	001.9066	72.64	N19°05'28.97"W	72.64	1
C7	433.00	014.6763	110.91	S27°22'58.23"E	110.61	5
C8	1783.00	001.9066	59.33	S19°05'28.97"E	59.33	1

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PROFESSIONAL CIVIL ENGINEER
BRANDON D. BIBA
E-15425
7-31-2024
STATE OF NEBRASKA

REV. NO.	DATE	REVISIONS DESCRIPTION
1	8.20.2024	Adjust Flowlines & Pipe Sizes
2	10.8.2024	Adjust Flowlines & Pipe Sizes
3	11.05.2024	Adjust Flowlines & Pipe Sizes

REVISIONS

PUBLIC SANITARY SEWER IMPROVEMENTS
WAVERLY RIDGE
2024
WAVERLY, NEBRASKA

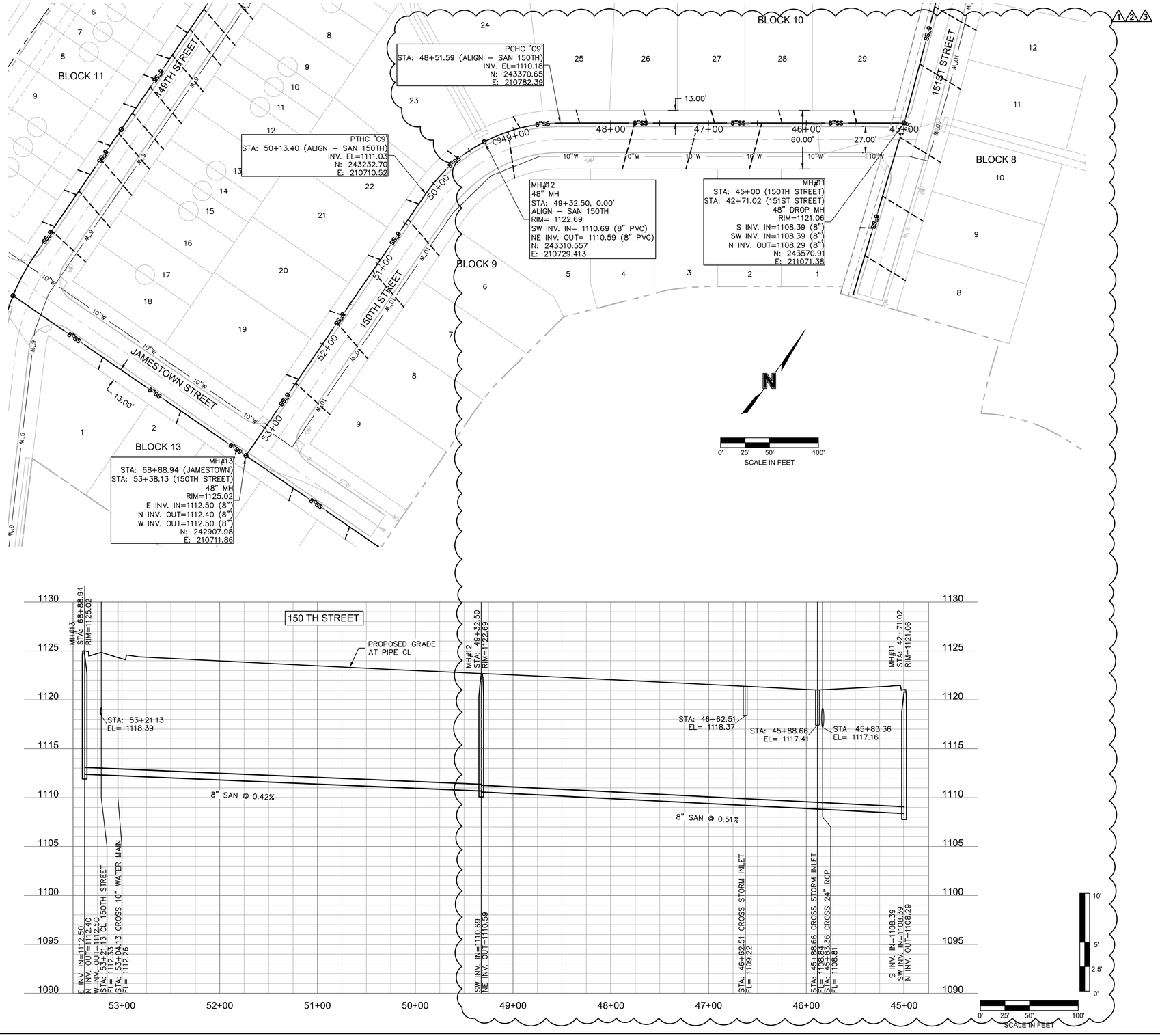
drawn by: MCL
checked by: ENG
approved by: ENG
QA/QC by: ENG
project no.: 022-01217
drawing no.:
date:

SHEET
6 of 39

DWG: F:\2022\01001-01500\022-01217\40-Design\AutoCAD\Final Plans\Sheets\C_SAN01_02201217.dwg USER: mlangston
DATE: Nov 05, 2024 10:48am XREFS: V_XTOPO_02201217 C_PBASE_02201217

WAVERLY RIDGE
PUBLIC SANITARY SEWER IMPROVEMENTS

CURVE TABLE						
CURVE ID	RADIUS (FT)	DELTA	LENGTH (FT)	CHORD BEARING	CHORD LENGTH (FT)	3" COUPLINGS
C9	167.00	055.5157	161.81	S27°31'16.18"W	155.56	19



LEGEND

- PROPOSED WATER MAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- ROAD RIGHT–OF–WAY
- EASEMENT LINE
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PROFESSIONAL CIVIL ENGINEER BRANDON D. BIBA E-15425 STATE OF NEBRASKA
12-31-2024

REV. NO.	DATE	REVISIONS DESCRIPTION
1	8.29.2024	Adjust Flowlines
2	10.8.2024	Adjust Flowlines & Pipe Sizes
3	11.05.2024	Adjust Flowlines & Pipe Sizes

REVISIONS

PUBLIC SANITARY SEWER IMPROVEMENTS

WAVERLY RIDGE

WAVERLY, NEBRASKA

2024

drawn by:	MCL
checked by:	ENG
approved by:	ENG
QA/QC by:	ENG
project no.:	022-01217
drawing no.:	
date:	

SHEET
7 of 39

DWG: F:\2022\01001-01500\022-01217\40-Design\AutoCAD\Final Plans\Sheets\C_SAN01_02201217.dwg USER: mlangston
DATE: Nov 05, 2024 11:05am XREFS: V_XTOPO_02201217 C_PBASE_02201217

WAVERLY RIDGE
PUBLIC SANITARY SEWER IMPROVEMENTS

CURVE TABLE						
CURVE ID	RADIUS (FT)	DELTA	LENGTH (FT)	CHORD BEARING	CHORD LENGTH (FT)	3" COUPLINGS
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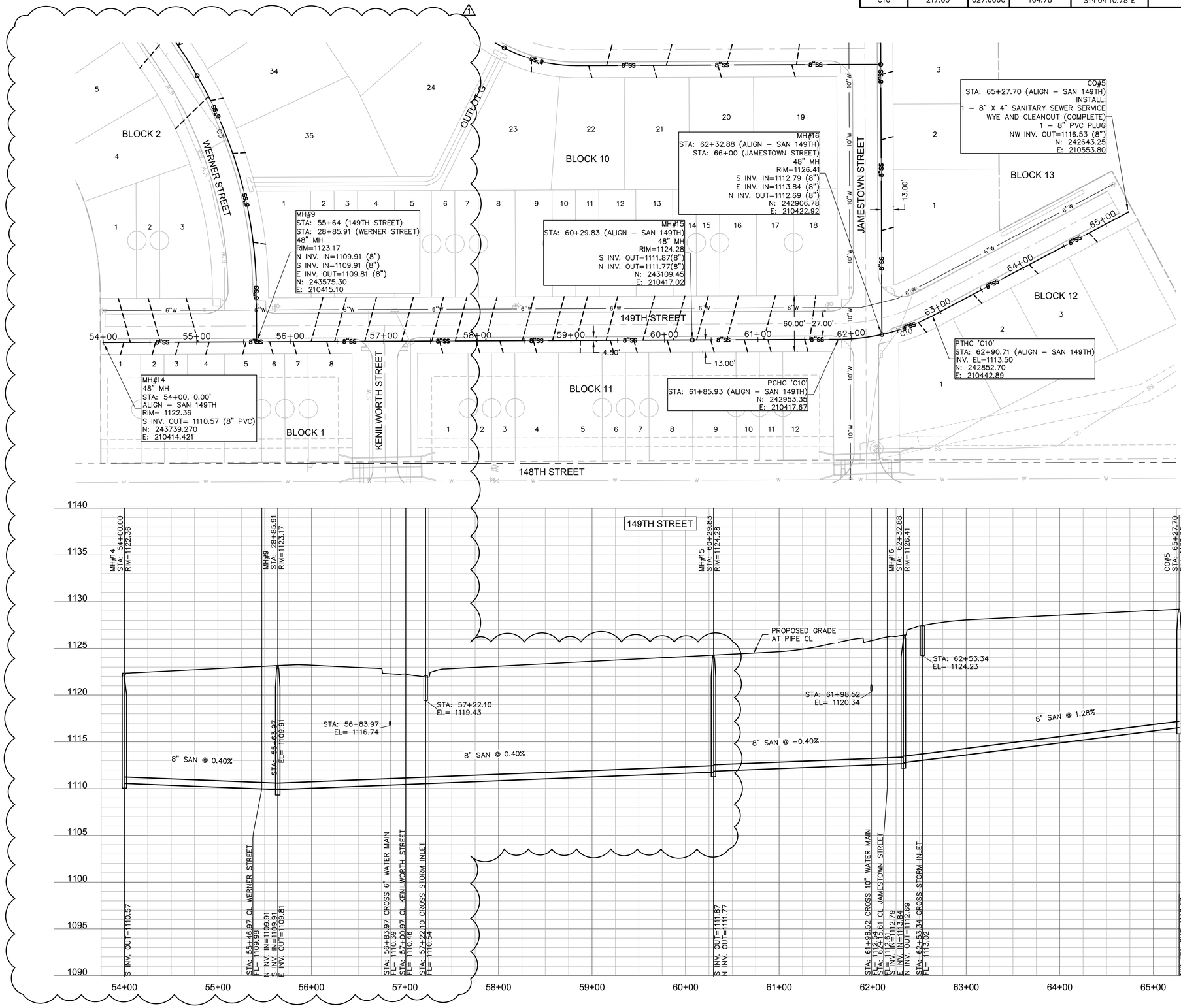

LEGEND

- PROPOSED WATER MAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- ROAD RIGHT-OF-WAY
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E-15425
7-31-2024
STATE OF NEBRASKA

REVISIONS

REV. NO.	DATE	REVISIONS DESCRIPTION
1	8.20.2024	Adjust Flowlines

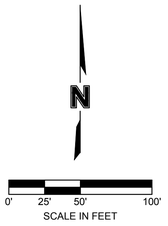
PUBLIC SANITARY SEWER IMPROVEMENTS
WAVERLY RIDGE
WAVERLY, NEBRASKA
2024

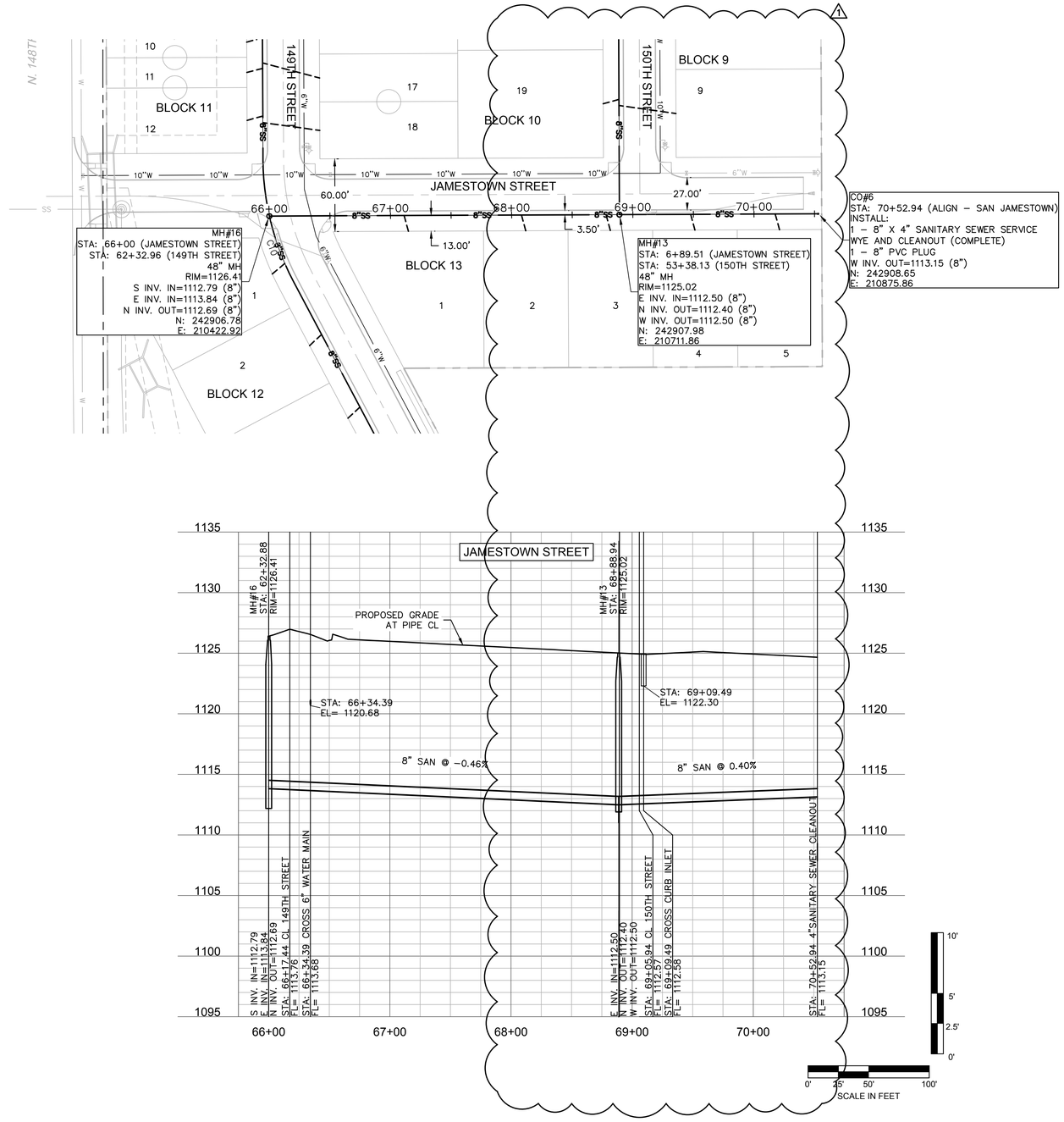
drawn by:	MCL
checked by:	ENG
approved by:	ENG
QA/QC by:	ENG
project no.:	022-01217
drawing no.:	
date:	

SHEET
8 of 39

DWG: F:\2022\01001-01500\022-01217\40-Design\AutoCAD\Final Plans\Sheets\C_SAN01_02201217.dwg USER: mlangston
DATE: Oct 09, 2024 1:17pm XREFS: V_XTOPO_02201217 C_PBASE_02201217

WAVERLY RIDGE
PUBLIC SANITARY SEWER IMPROVEMENTS





LEGEND

- PROPOSED WATER MAIN
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PROFESSIONAL CIVIL ENGINEER
BRANDON D. BIBA
E-15425
7-31-2024
STATE OF NEBRASKA

REVISIONS

REV. NO.	DATE	REVISIONS DESCRIPTION
1	8.20.2024	Adjust Flowlines

PUBLIC SANITARY SEWER IMPROVEMENTS

WAVERLY RIDGE

WAVERLY, NEBRASKA

2024

drawn by: MCL
checked by: ENG
approved by: ENG
QA/QC by: ENG
project no.: 022-01217
drawing no.:
date:

SHEET
9 of 39

DWG: F:\2022\01001-01500\022-01217\40-Design\AutoCAD\Final Plans\Sheets\C_SAN01_02201217.dwg USER: mlangston
DATE: Aug 20, 2024 7:28pm XREFS: V_XTOPO_02201217 C_PBASE_02201217

BLOCK	LOT	CENTERLINE STATION	NORTHING / EASTING OF SERVICE @ MAIN	LENGTH OF SERVICE	FLOW ELEVATION OF MAIN	FLOW ELEVATION OF SERVICE @	SERVICE ELEVATION @ ROW	NORTHING / EASTING OF SERVICE @ ROW
1	1	54+21.95	N: 243717.32 E: 210414.51	13.46	1110.48	1111.48	1111.75	N: 243720.75 E: 210401.50
	2	54+55.95	N: 243683.38 E: 210414.65	13.44	1110.34	1111.34	1111.61	N: 243686.75 E: 210401.64
	3	54+80.95	N: 243658.32 E: 210414.76	13.46	1110.24	1111.24	1111.51	N: 243661.75 E: 210401.74
	4	55+13.20	N: 243626.07 E: 210414.89	13.46	1110.11	1111.11	1111.38	N: 243629.50 E: 210401.87
	5	55+52.70	N: 243586.57 E: 210415.05	13.46	1109.96	1110.96	1111.23	N: 243590.00 E: 210402.04
	6	55+77.99	N:243561.28 E: 210415.16	13.46	1109.97	1110.97	1111.24	N: 243557.75 E: 210402.17
	7	56+03.23	N:243536.28 E: 210415.26	13.46	1110.07	1111.07	1111.34	N: 243532.75 E: 210402.27
	8	56+38.99	N:243500.29 E: 210415.41	13.46	1110.21	1111.21	1111.48	N: 243496.75 E: 210402.42
2	1	54+29.01	N:243710.26 E: 210414.67	48.66	1110.45	1111.45	1112.42	N: 243723.05 E: 210461.49
	2	54+60.89	N:243678.38 E: 210414.67	48.66	1110.32	1111.32	1112.29	N: 243691.17 E: 210461.62
	3	55+01.47	N:243637.80 E: 210414.84	48.66	1110.16	1111.16	1112.13	N: 243650.58 E: 210461.79
	4	26+15.29	N:243626.71 E: 210677.60	49.51	1108.66	1109.66	1110.65	N: 243662.06 E: 210642.94
	5	25+35.70	N:243668.52 E: 210745.22	48.66	1108.23	1109.23	1110.20	N: 243699.98 E: 210708.10
	6	24+70.28	N:243705.79 E: 210799.00	48.66	1107.97	1108.97	1109.94	N: 243737.24 E: 210761.88
	7	24+08.28	N:243741.10 E: 210849.96	48.66	1107.72	1108.72	1109.69	N: 243772.56 E: 210812.84
	8	23+46.28	N:243776.41 E: 210900.92	48.66	1107.47	1108.47	1109.44	N: 243807.87 E: 210863.80
	9	22+84.28	N:243811.73 E: 210951.88	48.66	1107.22	1108.22	1109.19	N: 243843.19 E: 210914.76
	10	22+22.28	N:2438447.04 E: 211002.84	48.66	1106.97	1107.97	1108.94	N: 243878.50 E: 210965.72
	11	21+60.28	N:243882.36 E: 211053.80	48.66	1106.73	1107.73	1108.70	N: 243913.81 E: 211016.68
	12	20+99.23	N:243917.13 E: 211103.97	48.66	1106.48	1107.48	1108.45	N: 243948.58 E: 211066.85
	13	19+55.04	N:243999.25 E: 211222.49	48.66	1105.90	1106.90	1107.87	N: 244030.74 E: 211185.36
	14	18+89.29	N:2444036.70 E: 211276.53	48.66	1105.64	1106.64	1107.61	N: 244068.16 E: 211239.41
3	1	17+57.64	N:244111.69 E: 211384.74	48.66	1105.12	1106.12	1107.09	N: 244143.15 E: 211347.62
	2	16+87.74	N:244151.50 E: 211442.19	48.66	1104.84	1105.84	1106.81	N: 244182.96 E: 211405.07
	3	16+21.74	N:244189.09 E: 211496.44	48.66	1104.57	1105.57	1106.54	N: 244220.55 E: 211459.32
	4	15+55.74	N:244226.69 E: 211550.69	48.66	1104.31	1105.31	1106.28	N: 244258.14 E: 211513.56
	5	14+89.74	N:244264.28 E: 211604.93	48.66	1104.04	1105.04	1106.01	N: 244295.74 E: 211567.81
	6	14+23.74	N:244301.87 E: 211659.18	48.66	1103.78	1104.78	1105.75	N: 244333.33 E: 211622.06
	7	13+57.74	N:244339.46 E: 211713.43	48.66	1103.52	1104.52	1105.49	N: 244370.92 E: 211676.31
	8	12+91.74	N:244377.06 E: 211767.68	48.66	1103.25	1104.25	1105.22	N: 244408.51 E: 211730.55
	9	12+25.74	N:244414.65 E: 211821.92	48.66	1102.99	1103.99	1104.96	N: 244446.11 E: 211784.80
	10	11+59.74	N:244452.24 E: 211876.17	48.66	1102.72	1103.72	1104.69	N: 244483.70 E: 211839.05
	11	10+61.18	N:244510.27 E: 211955.78	48.48	1102.33	1103.33	1104.30	N: 244538.81 E: 211916.59
	12	9+65.04	N:244579.73 E: 212022.00	48.48	1101.94	1102.94	1103.91	N: 244599.66 E: 211977.81
	13	8+78.52	N:244651.23 E: 212070.69	48.66	1101.60	1102.60	1103.57	N: 244666.54 E: 212024.50
4	1	7+57.25	N:244752.54 E: 212137.33	48.66	1101.12	1102.45	1103.42	N: 244767.85 E: 212091.15
	2	7+12.81	N:244789.66 E: 212161.76	48.66	1101.00	1102.33	1103.30	N: 244804.97 E: 212115.57
Future	F1	6+71.81	N:244823.92 E: 212184.29	48.66	1100.88	1102.05	1103.02	N: 244839.23 E: 212138.11
	F2	6+30.81	N:244858.17 E: 212206.83	48.66	1100.77	1101.94	1102.91	N: 244873.48 E: 212160.64
	F3	5+90.56	N:244891.80 E: 212228.95	48.66	1100.66	1101.83	1102.80	N: 244907.11 E: 212182.76
	F4	5+58.31	N:244918.74 E: 212246.67	48.66	1100.57	1101.74	1102.71	N: 244934.05 E: 212200.48
	F5	5+33.31	N:244939.62 E: 212260.41	48.66	1099.84	1101.67	1102.64	N: 244954.93 E: 212214.22
	F6	5+01.06	N:244966.57 E: 212278.14	48.66	1099.81	1101.64	1102.61	N: 244981.88 E: 212231.95
	F7	4+61.56	N:244999.57 E: 212299.85	48.66	1099.76	1101.59	1102.56	N: 245014.88 E: 212253.66
	F8	4+29.32	N:245026.50 E: 212317.56	48.66	1099.72	1101.55	1102.52	N: 245041.82 E: 212271.38
	F9	4+04.31	N:245047.39 E: 212331.31	48.66	1099.69	1101.52	1102.49	N: 245062.70 E: 212285.12
	F10	3+72.06	N:245074.34 E: 212349.03	48.66	1099.65	1101.48	1102.45	N: 245089.65 E: 212302.85
5	1	7+30.85	N:244615.67 E: 212190.59	48.66	1105.76	1106.76	1107.73	N: 244647.68 E: 212227.23
	2	8+42.32	N:244774.59 E: 212151.84	13.46	1101.04	1102.21	1102.48	N: 244764.54 E: 212160.79

BLOCK	LOT	CENTERLINE STATION	NORTHING / EASTING OF SERVICE @ MAIN	LENGTH OF SERVICE	FLOW ELEVATION OF MAIN	FLOW ELEVATION OF SERVICE @	SERVICE ELEVATION @ ROW	NORTHING / EASTING OF SERVICE @ ROW
6	1	8+94.46	N:244637.91 E: 212061.92	13.38	1101.66	1102.66	1102.93	N: 244627.91 E: 212070.81
	2	9+70.04	N:24455.79 E: 212018.92	13.31	1101.96	1102.96	1103.23	N: 244565.45 E: 212027.30
	3	10+32.80	N:244529.33 E: 211976.80	13.47	1102.22	1103.22	1103.49	N: 244517.49 E: 211983.23
	4	11+11.66	N:244479.63 E: 211915.69	13.46	1102.53	1103.53	1103.80	N: 244466.96 E: 211920.23
	5	11+80.75	N:244440.28 E: 211858.91	13.46	1102.81	1103.81	1104.08	N: 244427.61 E: 211863.45
	6	12+52.41	N:244399.46 E: 211800.01	13.46	1103.09	1104.09	1104.36	N: 244386.79 E: 211804.55
	7	13+24.07	N:244358.64 E: 211741.11	13.46	1103.38	1104.38	1104.65	N: 244345.97 E: 211745.65
	8	13+95.73	N:244317.83 E: 21162.21	13.46	1103.67	1104.67	1104.94	N: 244305.16 E: 211686.75
	9	14+70.22	N:244275.40 E: 211620.98	13.46	1103.97	1104.97	1105.24	N: 244262.73 E: 211625.52
7	1	33+26.95	N:244115.74 E: 211612.89	13.45	1108.46	1109.46	1109.73	N: 244107.25 E: 211603.13
	2	32+49.91	N:244183.25 E: 211575.60	13.45	1108.35	1109.35	1109.62	N: 24413.40 E: 211566.43
	3	17+46.37	N:244118.11 E: 211394.01	13.46	1105.07	1106.07	1106.34	N: 244105.44 E: 211398.55
	4	35+00.80	N:243967.87 E: 211352.53	48.75	1107.70	1108.70	1109.68	N: 243972.15 E: 211401.08
	5	35+68.73	N:243904.08 E: 211375.90	48.66	1107.98	1108.98	1109.95	N: 243908.36 E: 211424.37
	6	36+37.43	N:243839.54 E: 211399.45	48.66	1108.25	1109.25	1110.22	N: 243843.82 E: 211447.92
	7	37+02.38	N:243778.53 E: 211421.71	48.66	1108.51	1109.51	1110.48	N: 243782.80 E: 211470.18
	8	37+79.32	N:243706.17 E: 211447.85	48.70	1108.92	1109.92	1110.89	N: 243709.44 E: 211496.43
	9	38+43.39	N:243645.39 E: 211468.14	48.66	1109.17	1110.17	1111.14	N: 243648.06 E: 211516.72
	10	39+08.03	N:243583.97 E: 211488.26	48.66	1109.43	1110.43	1111.40	N: 243586.63 E: 211536.84
8	1	34+64.88	N:244000.76 E: 211338.13	13.44	1107.56	1108.56	1108.83	N: 243992.02 E: 211327.92
	2	35+54.89	N:243917.08 E: 211371.16	13.46	1107.92	1108.92	1109.19	N: 243909.36 E: 211360.14
	3	36+25.91	N:243850.37 E: 211395.50	13.46	1108.20	1109.20	1109.47	N: 243842.64 E: 211384.48
	4	36+96.93	N:243783.65 E: 211419.84	13.46	1108.49	1109.49	1109.76	N: 243775.92 E: 211408.82
	5	37+69.78	N:243715.17 E: 211444.69	13.46	1108.88	1109.88	1110.15	N: 243707.58 E: 211433.58
	6	38+60.73	N:243628.92 E: 21143.53	13.46	1109.24	1110.24	1110.51	N: 243621.56 E: 211462.26
	7	39+27.73	N:243565.25 E: 211494.39	13.46	1109.51	1110.51	1110.78	N: 243557.89 E: 211483.12
	8	44+14.38	N:243436.70 E: 211115.59	48.66	1108.96	1109.96	1110.93	N: 243439.36 E: 211164.17
	9	43+52.24	N:243496.92 E: 211095.86	48.66	1108.70	1109.70	1110.67	N: 243499.58 E: 211144.44
	10	42+88.70	N:243556.50 E: 211076.26	48.66	1108.45	1109.45	1110.42	N: 243559.17 E: 211124.92
	11	42+08.77	N:243629.63 E: 211050.70	48.66	1108.04	1109.04	1110.01	N: 243632.30 E: 211099.28
	12	41+48.02	N:243686.53 E: 211029.40	48.74	1107.80	1108.80	1109.77	N: 243690.81 E: 211077.95
	13	40+92.63	N:243736.78 E: 211006.18	48.85	1107.57	1108.57	1109.55	N: 243746.76 E: 211053.99
	14	21+69.28	N:243877.23 E: 211046.40	13.46	1106.76	1107.76	1108.03	N: 243864.56 E: 211050.94
9	1	43+82.99	N:243464.58 E: 211106.45	13.46	1108.84	1109.84	1110.11	N: 243457.23 E: 211095.18
	2	46+45.53	N:243488.02 E: 210951.76	48.66	1109.13	1110.13	1111.10	N: 243442.22 E: 210968.18
	3	47+10.53	N:243451.00 E: 210898.34	48.66	1109.46	1110.46	1111.43	N: 243405.20 E: 210914.76
	4	47+75.53	N:243413.98 E: 210844.91	48.66	1109.79	1110.79	1111.76	N: 243368.17 E: 210861.33
	5	49+05.77	N:243333.188 E: 210743.61	48.18	1110.45	1111.45	1112.41	N: 243297.71 E: 210776.21
	6	50+45.01	N:243201.09 E: 210710.65	48.66	1111.16	1112.16	1113.13	N: 243188.69 E: 210757.70
	7	51+08.93	N:243137.17 E: 210710.91	48.66	1111.43	1112.43	1113.40	N: 243124.77 E: 210757.96
	8	51+73.54	N:24302.57 E: 210711.18	48.66	1111.70	1112.70	1113.67	N: 243060.17 E: 210758.23
	9	52+48.10	N:242998.01 E: 210711.46	47.51	1112.02	1113.02	1113.97	N: 242991.42 E: 210758.51
10	1	27+79.37	N: 243578.94 E: 210521.50	48.66	1109.21	1110.21	1111.18	N: 243565.62 E: 210519.51
	2	56+22.42	N:243516.85 E: 210415.34	48.66	1110.14	1111.14	1112.11	N: 243504.45 E: 210462.39
	3	56+47.42	N:243491.5 E: 210415.44	48.66	1110.24	1111.24	1112.21	N: 243479.45 E: 210462.49
	4	56+79.67	N:243459.60 E: 210415.58	48.66	1110.37	1111.37	1112.34	N: 243447.20 E: 210462.63
	5	57+19.17	N:243420.10 E: 210415.74	48.66	1110.53	1111.53	1112.50	N: 243407.70 E: 210462.79
	6	57+51.42	N:243387.85 E: 210415.8	48.66	1110.66	1111.66	1112.63	N: 243375.45 E: 210462.92
	7	57+76.42	N:243362.85 E: 210415.98	48.66	1110.76	1111.76	1112.73	N: 243350.45 E: 210463.03
	8	58+08.67	N:243330.60 E: 210416.11	48.66	1110.89	1111.89	1112.86	N: 243318.20 E: 210463.16
	9	58+48.17	N:243291.10 E: 210416.27	48.66	1111.05	1112.05	1113.02	N: 243278.70 E: 210463.32
	10	58+80.42	N:243258.85 E: 210416.41	48.66	1111.18	1112.18	1113.15	N: 243246.45 E: 210463.46
	11	59+05.42	N:243233.85 E: 210416.51	48.66	1111.28	1112.28	1113.25	N: 243221.45 E: 210463.56

BLOCK	LOT	CENTERLINE STATION	NORTHING / EASTING OF SERVICE @ MAIN	LENGTH OF SERVICE	FLOW ELEVATION OF MAIN	FLOW ELEVATION OF SERVICE @	SERVICE ELEVATION @ ROW	NORTHING / EASTING OF SERVICE @ ROW
10	12	59+37.67	N:243201.60 E: 210416.64	48.66	1111.40	1112.40	1113.37	N: 243189.20 E: 210463.69
	13	59+77.17	N:243162.10 E: 210416.81	48.66	1111.56	1112.56	1113.53	N: 243149.70 E: 210463.86
	14	50+09.42	N:243129.85 E: 210416.94	48.66	1111.69	1112.69	1113.66	N: 243117.45 E: 210463.99
	15	60+37.42	N:243104.85 E: 210417.04	48.66	1111.89	1112.89	1113.86	N: 243092.45 E: 210464.09
	16	60+66.67	N:243072.60 E: 21041.18	48.66	1112.02	1113.02	1113.99	N: 243060.20 E: 210464.23
	17	61+06.17	N:243033.10 E: 21041.34	48.66	1112.18	1113.18	1114.15	N: 243020.70 E: 210464.39
	18	61+55.39	N:242983.88 E: 210417.54	47.46	1112.37	1113.37	1114.32	N: 242977.45 E: 210464.57
	19	52+43.10	N:243003.01 E: 210711.47	13.46	1112.00	1113.00	1113.27	N: 242999.47 E: 210698.48
	20	51+64	N:243082.11 E: 210711.14	13.46	1111.66	1112.66	1112.93	N: 243078.57 E: 210698.15
	21	50+91.90	N:243151.21 E: 210710.85	13.46	1111.36	1112.36	1112.63	N: 243147.67 E: 210697.87
	22	50+25.82	N:243202.29 E: 210710.57	13.46	1111.08	1112.08	1112.35	N: 243216.75 E: 210697.58
	23	49+61.02	N:243281.40 E: 210717.56	13.50	1110.82	1111.82	1112.09	N: 243281.52 E: 210704.07
	24	48+93.22	N:243342.94 E: 210751.47	13.50	1110.39	1111.39	1111.66	N: 243348.60 E: 210739.22
	25	48+31.87	N:2433881.89 E: 210798.61	13.46	1110.08	1111.08	1111.35	N: 243390.59 E: 210788.34
	26	47+62.97	N:243421.13 E: 210855.24	13.46	1109.73	1110.73	1111.00	N: 243429.83 E: 210844.97
	27	46+93.86	N:243460.49 E: 210912.04	13.46	1109.37	1110.37	1110.64	N: 243469.20 E: 210901.77
	28	46+27.76	N:243499.85 E: 210968.84	13.46	1109.02	1110.02	1110.29	N: 243508.55 E: 210958.57
	29	45+84.31	N:243543.40 E: 211031.68	13.46	1108.64	1109.64	1109.91	N: 243552.10 E: 211021.41
	30	23+32.11	N:243784.49 E: 210912.57	13.46	1107.41	1108.41	1108.68	N: 243771.82 E: 210917.11
	31	24+10.26	N:243738.25 E: 210845.85	13.01	1107.74	1108.74	1109.00	N: 243727.30 E: 210852.87
	32	24+80.91	N:243699.73 E: 210790.26	13.46	1108.01	1109.01	1109.28	N: 243687.06 E: 210794.80
	33	25+51.49	N:243659.53 E: 21032.24	13.47	1108.29	1109.29	1109.56	N: 243646.83 E: 210736.74
	34	26+20.29	N:243624.45 E: 210673.14	13.47	1108.68	1109.68	1109.95	N: 243611.23 E: 210675.71
	35	26+81.54	N:243600.82 E: 210616.67	13.47	1108.94	1109.94	1110.21	N: 243587.38 E: 210617.50
11	1	57+59.53	N:243379.74 E: 210415.91	13.46	1110.69	1111.69	1111.96	N: 243376.20 E: 210402.92
	2	57+99.08	N:243340.20 E: 210416.07	13.46	1110.85	1111.85	1112.12	N: 243336.66 E: 210403.08
	3	58+24.08	N:243315.20 E: 210416.17	13.46	1110.95	1111.95	1112.22	N: 243311.66 E: 210403.19
	4	58+59.87	N:243279.40 E: 210416.32	13.46	1111.09	1112.09	1112.36	N: 243275.86 E: 210403.34
	5	59+10.17	N:243229.10 E: 210416.53	13.00	1111.29	1112.29	1112.55	N: 243229.28 E: 210403.53
	6	59+42.26	N:243197.02 E: 210416.66	13.46	1111.42	1112.42	1112.69	N: 243193.48 E: 210403.68
	7	59+67.26	N:243172.02 E: 210416.76	13.46	1111.52	1112.52	1112.79	N: 243168.48 E: 210403.78
	8	60+03.05	N:243136.22 E: 210416.91	13.46	1111.67	1112.67	1112.94	N: 243132.69 E: 210403.93
	9	60+49.64	N:243089.63 E: 210417.10	13.46	1111.95	1112.95	1113.22	N: 243086.10 E: 210404.12
	10	60+85.44	N:243053.54 E: 210417.25	13.46	1112.09	1113.09	1113.36	N: 243050.30 E: 210404.27
	11	61+10.65	N:243028.62 E: 210417.36	13.40	1112.19	1113.19	1113.46	N: 243025.30 E: 210404.37
	12	61+49.98	N:242989.29 E: 210417.52	13.46	1112.35	1113.35	1113.62	N: 242985.75 E: 210404.53
12	1	62+74.05	N:242867.70 E: 210435.67	13.52	1113.29	1114.29	1114.56	N: 242859.01 E: 210425.31
	2	63+40.09	N:242809.06 E: 210466.00	13.46	1114.13	1115.13	1115.40	N: 242799.90 E: 210456.14
	3	64+07.82	N:242749.20 E: 210497.70	13.46	1115.00	1116.00	1116.27	N: 242740.04 E: 210487.84
	4	64+80.09	N:242685.34 E: 210531.52	13.46	1115.92	1116.92	1117.19	N: 242676.17 E: 210521.66
13	1	67+11.23	N:242907.24 E: 210534.15	13.46	1113.32	1114.32	1114.59	N: 242894.26 E: 210537.69
	2	68+0.12	N:242907.64 E: 210631.04	13.46	1112.88	1113.88	1114.15	N: 242894.66 E: 210634.58
	3	68+77.93	N:242907.93 E: 210700.85	13.46	1112.55	1113.55	1113.82	N: 242894.94 E: 210704.39
	4	69+47.74	N:242908.22 E: 210770.66	13.46	1112.73	1113.73	1114.00	N: 242895.23 E: 210774.20
	5	70+17.55	N:242908.51 E: 210840.47	13.46	1113.01	1114.01	1114.28	N: 242895.52 E: 210844.01

ALL SEWER SERVICES TO BE LAID AT S = 0.0200 FT/FT

1 2 3

REVISIONS

REV NO.	DATE	REVISIONS DESCRIPTION
1	8.20.2024	Adjust Flowlines
2	10.8.2024	Adjust Flowlines & Pipe Sizes
3	11.05.2024	Adjust Flowlines & Pipe Sizes

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Lincoln, NE 68508
TEL 402.474.6311 www.olsson.com

PROFESSIONAL CIVIL ENGINEER BRANDON D. BIBA E-15425 7-31-2024 STATE OF NEBRASKA

PUBLIC SANITARY SEWER IMPROVEMENTS

WAVERLY RIDGE

WAVERLY, NEBRASKA

2024

drawn by: MCL
checked by: ENG
approved by: ENG
QA/QC by: ENG
project no.: 022-01217
drawing no.:
date:

SHEET
10 of 39

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DATE: Nov 05, 2024 1:17pm XREFS: V_XTOPO_02201217 C_PBASE_02201217

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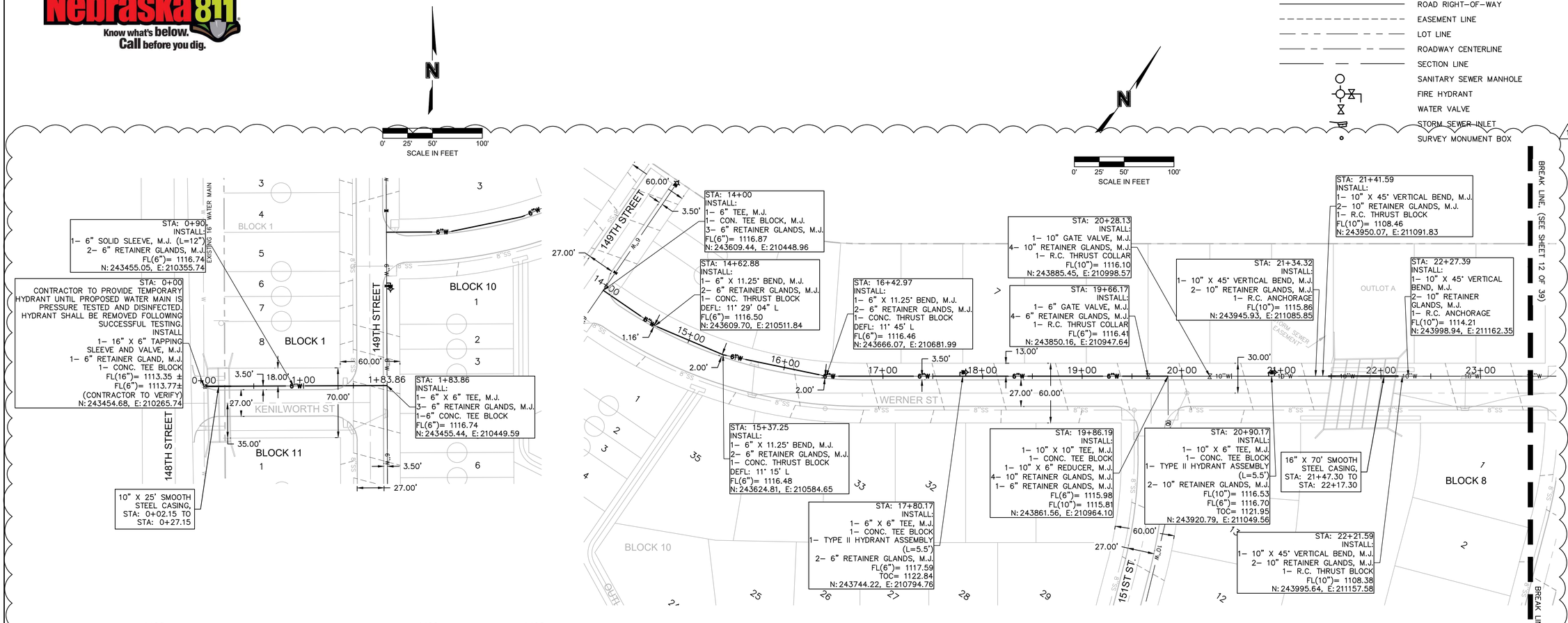
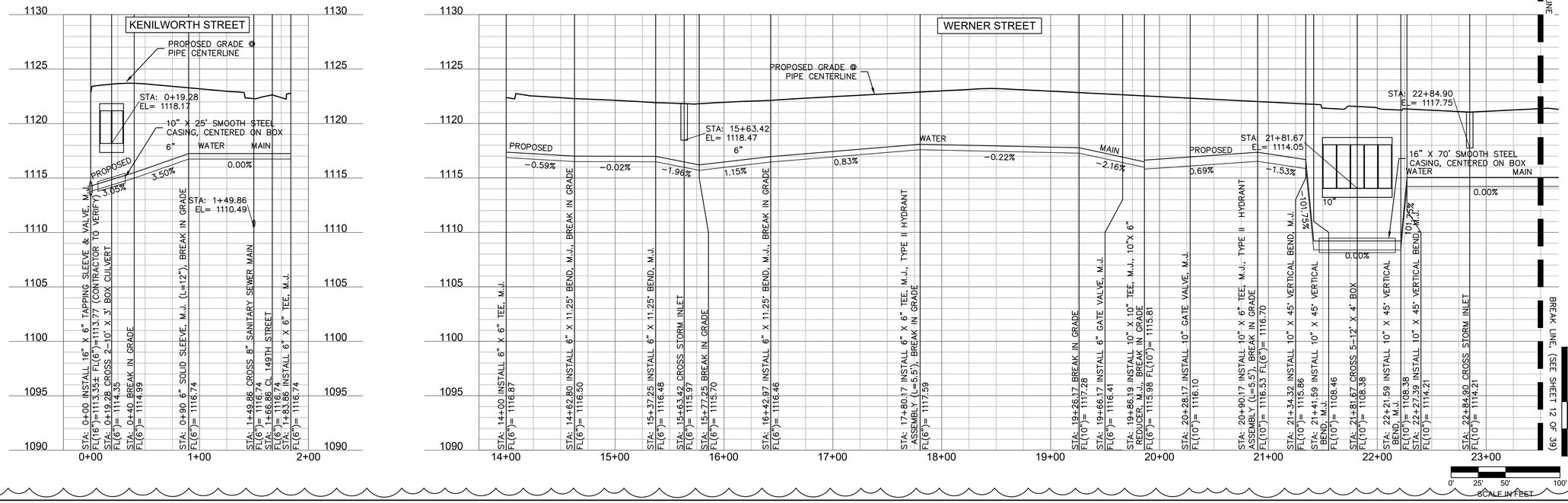
WAVERLY RIDGE
PUBLIC WATER MAIN IMPROVEMENTS

LEGEND

- PROPOSED WATER MAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- ROAD RIGHT-OF-WAY
- EASEMENT LINE
- LOT LINE
- ROADWAY CENTERLINE
- SECTION LINE
- SANITARY SEWER MANHOLE
- FIRE HYDRANT
- WATER VALVE
- STORM SEWER INLET
- SURVEY MONUMENT BOX





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TEL 402.474.6311
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PROFESSIONAL ENGINEER BRANDON D. BIBA E-15425 7-31-2024 STATE OF NEBRASKA

REVISIONS

REV. NO.	DATE	REVISIONS DESCRIPTION
1	8.20.2024	City Comments

PUBLIC WATER MAIN IMPROVEMENTS

WAVERLY RIDGE

WAVERLY, NEBRASKA

2024

drawn by: MCL
checked by: ENG
approved by: ENG
QA/QC by: ENG
project no.: 022-01217
drawing no.:
date:

SHEET 11 of 39

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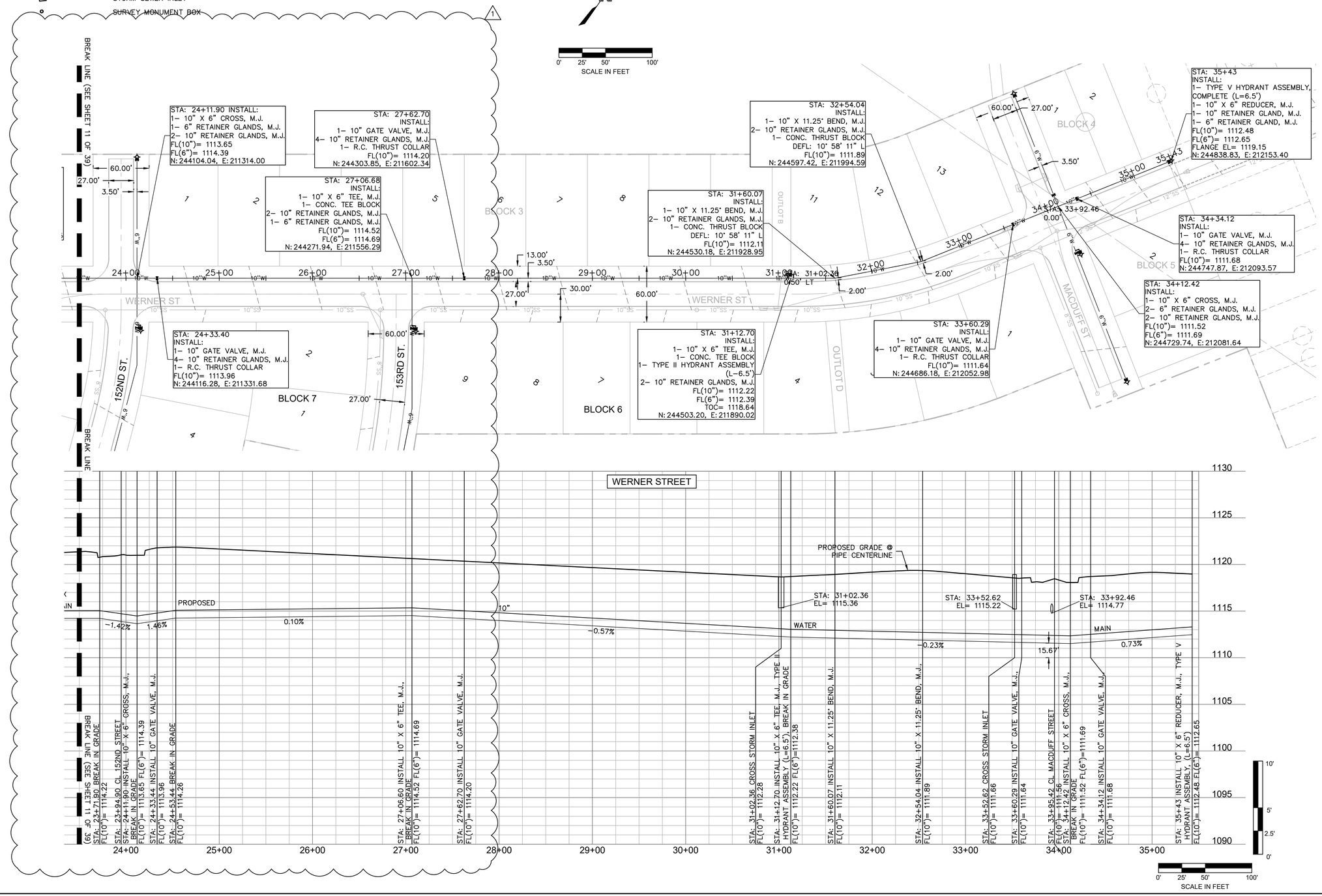
WAVERLY RIDGE
PUBLIC WATER MAIN IMPROVEMENTS

LEGEND

- W — PROPOSED WATER MAIN
- SS — SS — PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- ROAD RIGHT-OF-WAY
- EASEMENT LINE
- LOT LINE
- ROADWAY CENTERLINE
- SECTION LINE
- SANITARY SEWER MANHOLE
- FIRE HYDRANT
- WATER VALVE
- STORM SEWER INLET
- SURVEY MONUMENT BOX



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PROFESSIONAL CIVIL ENGINEER BRANDON D. BIBA E-15425 7-31-2024 STATE OF NEBRASKA

REVISIONS

REV NO.	DATE	REVISIONS DESCRIPTION
1	8.20.2024	City Comments

PUBLIC WATER MAIN IMPROVEMENTS

WAVERLY RIDGE

2024

WAVERLY, NEBRASKA

drawn by:	MCL
checked by:	ENG
approved by:	ENG
QA/QC by:	ENG
project no.:	022-01217
drawing no.:	
date:	

SHEET
12 of 39

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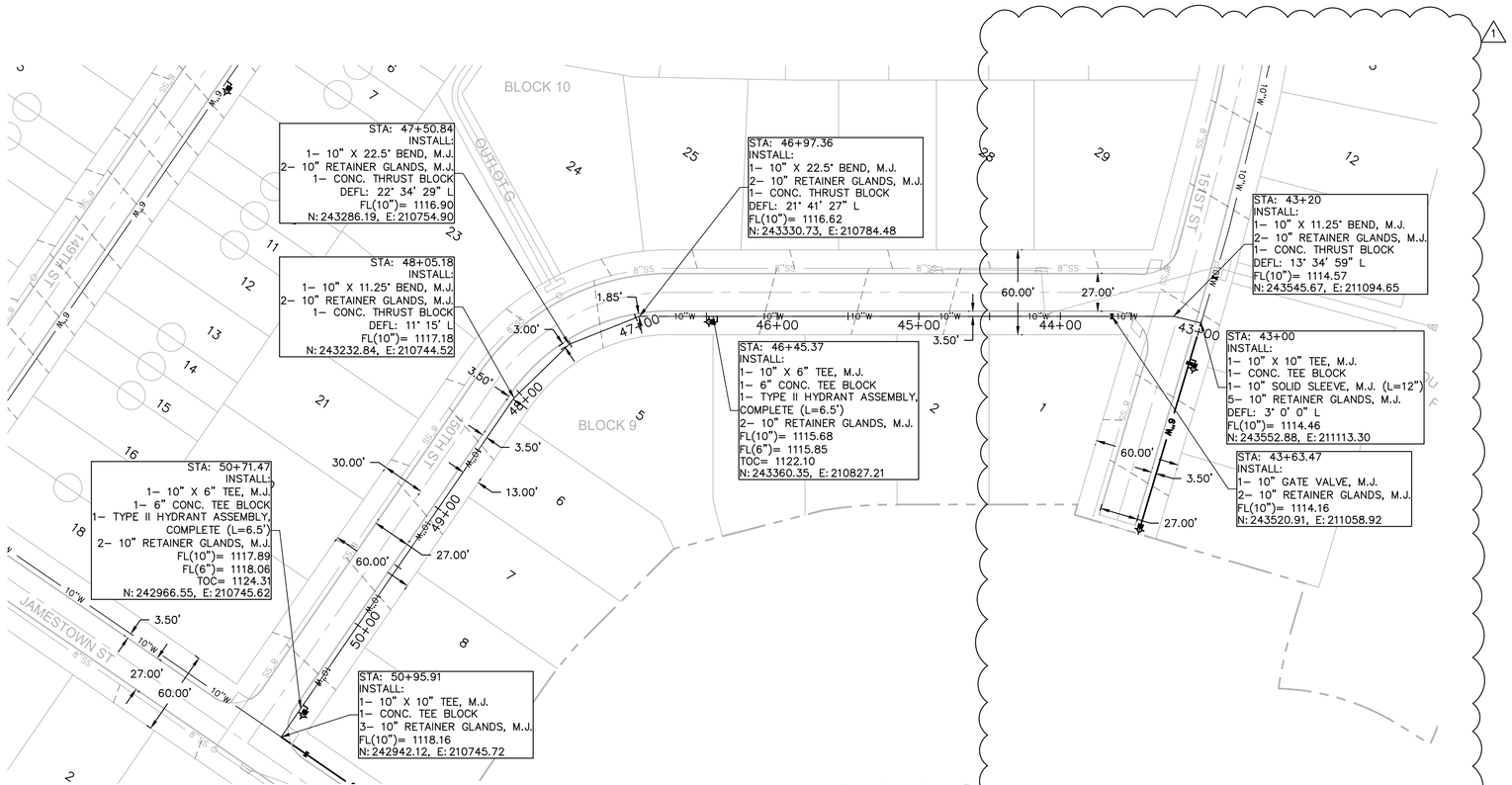
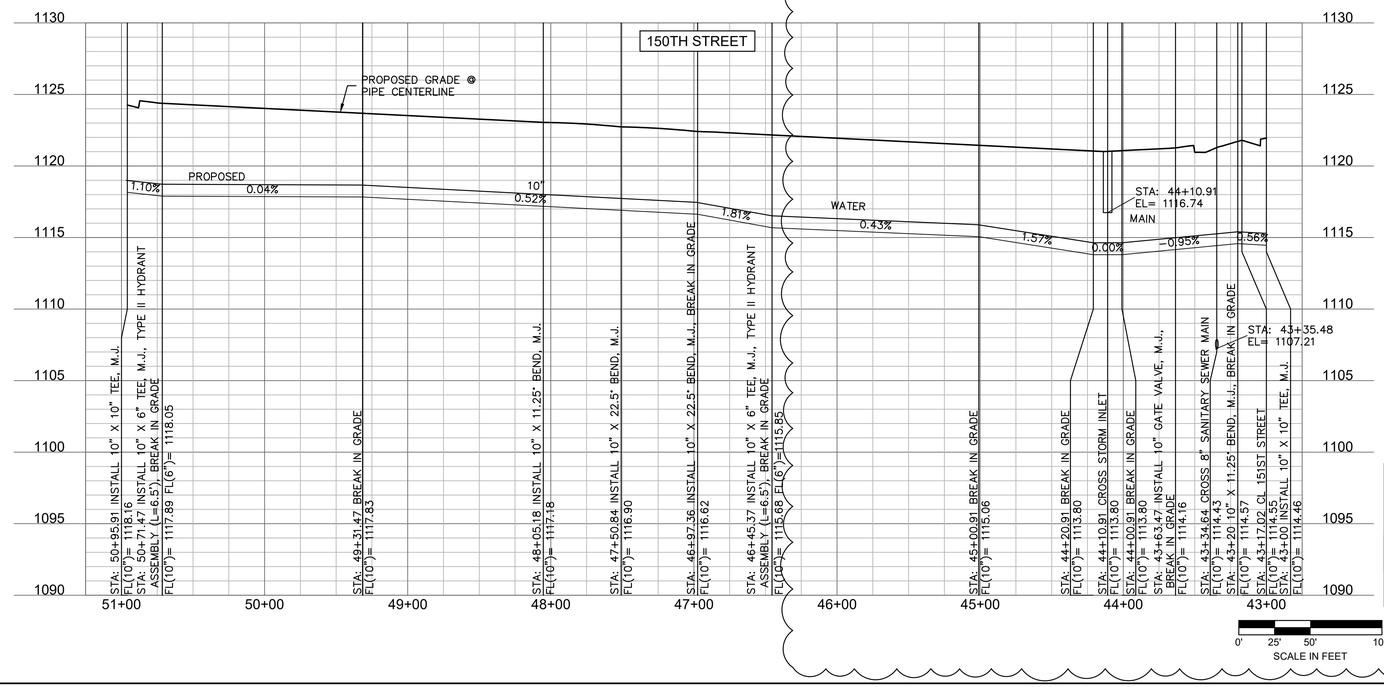
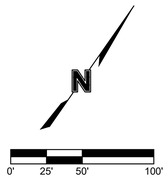
WAVERLY RIDGE
PUBLIC WATER MAIN IMPROVEMENTS







LEGEND

- PROPOSED WATER MAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- ROAD RIGHT–OF–WAY
- EASEMENT LINE
- LOT LINE
- ROADWAY CENTERLINE
- SECTION LINE
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- WATER VALVE
- STORM SEWER INLET
- SURVEY MONUMENT BOX

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PROFESSIONAL ENGINEER BRANDON D. BIBA E-15425 7-31-2025 STATE OF NEBRASKA

REVISIONS

REV. NO.	DATE	REVISIONS DESCRIPTION
1	8.20.2024	City Comments

PUBLIC WATER MAIN IMPROVEMENTS

WAVERLY RIDGE

2024

WAVERLY, NEBRASKA

drawn by: MCL
checked by: ENG
approved by: ENG
QA/QC by: ENG
project no.: 022-01217
drawing no.:
date:

SHEET 13 of 39

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DATE: Sep 03, 2024 3:38pm XREFS: V_XTOPO_02201217 C_PBASE_02201217

WAVERLY RIDGE
PUBLIC WATER MAIN IMPROVEMENTS

LEGEND

- PROPOSED WATER MAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- ROAD RIGHT-OF-WAY
- EASEMENT LINE
- LOT LINE
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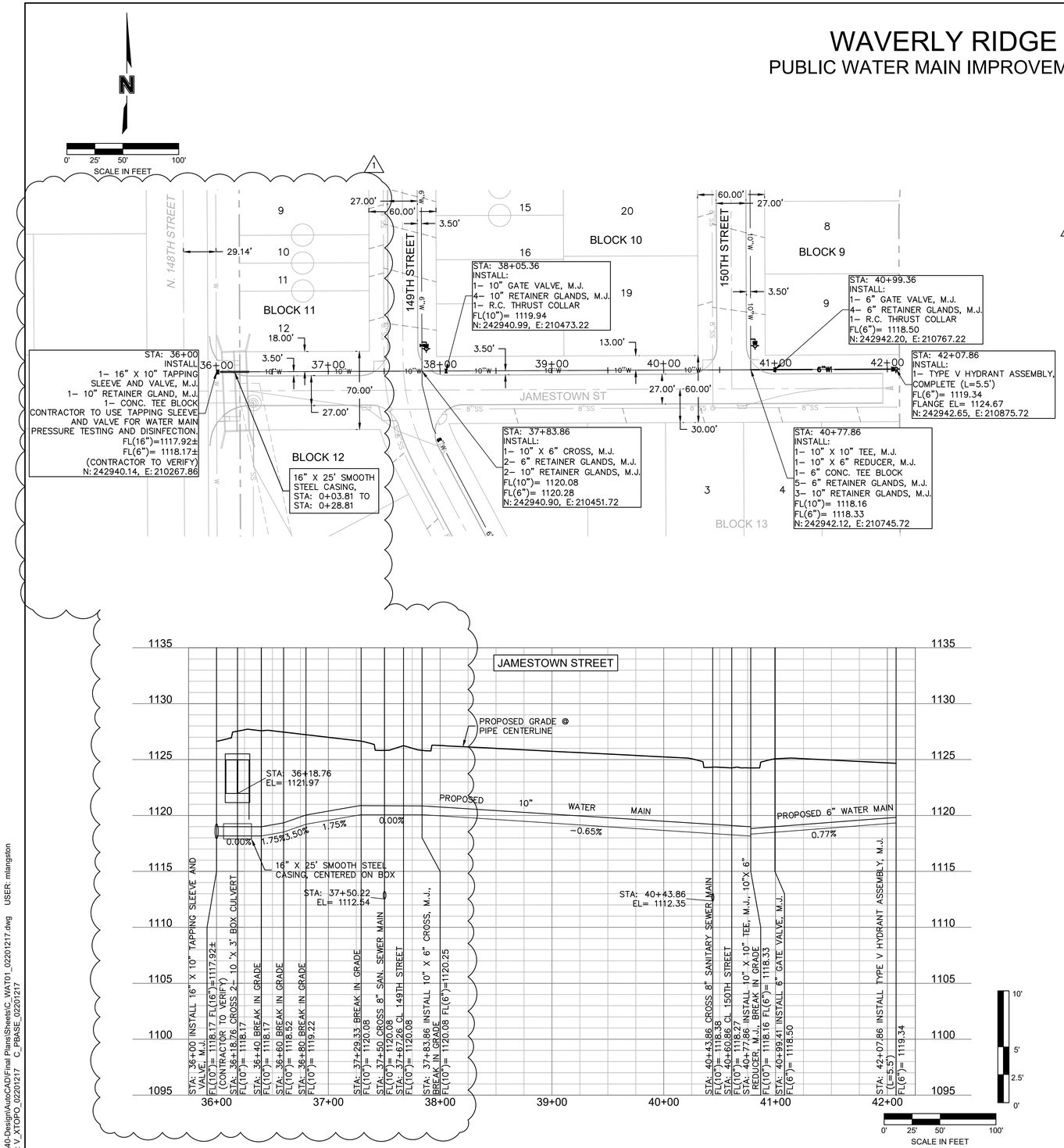
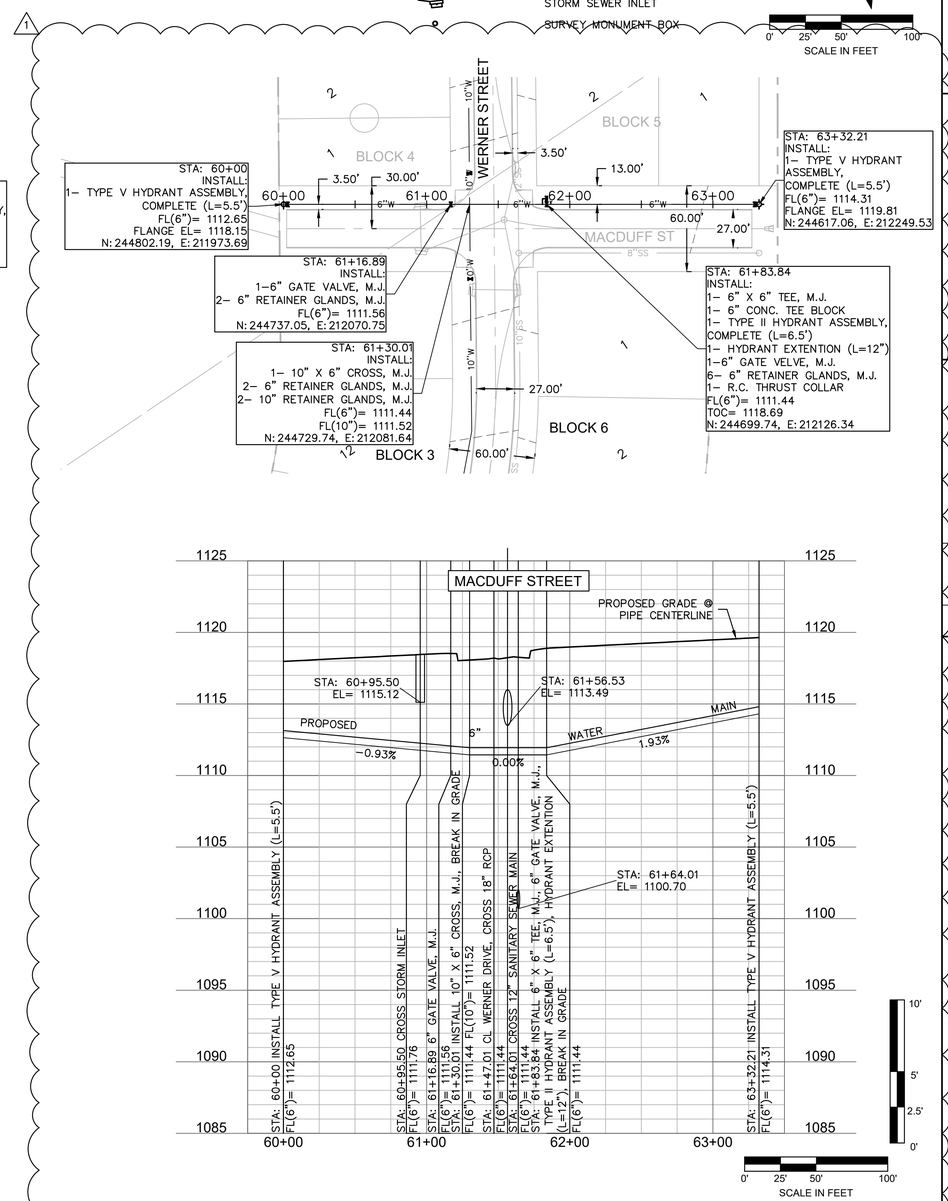
- STORM SEWER INLET
- SURVEY MONUMENT BOX





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TEL 402.474.6311
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PROFESSIONAL ENGINEER BRANDON D. BIBA E-15425 7-31-2024 STATE OF NEBRASKA

REV. NO.	DATE	REVISIONS DESCRIPTION
1	8.20.2024	City Comments

REVISIONS

PUBLIC WATER MAIN IMPROVEMENTS

WAVERLY RIDGE

WAVERLY, NEBRASKA

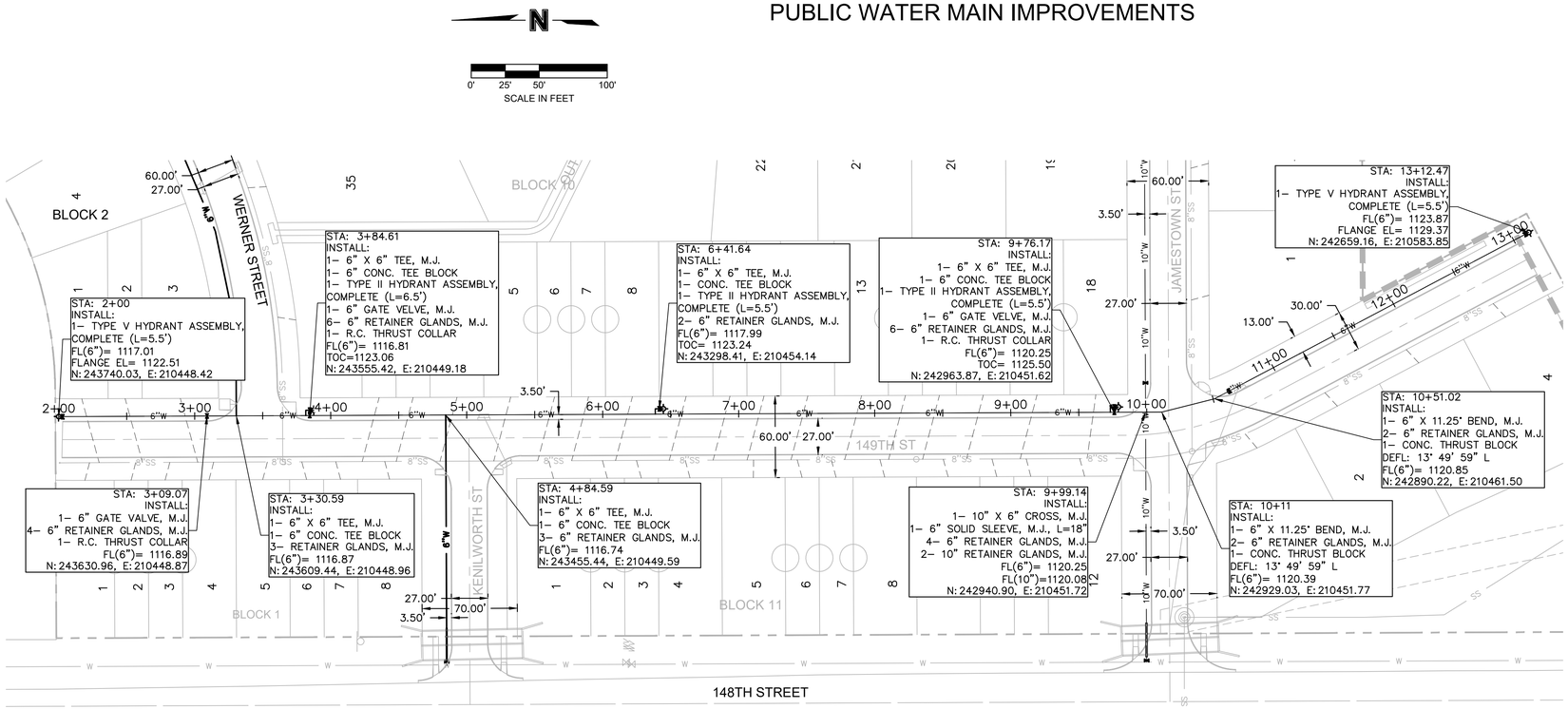
2024

drawn by: MCL
checked by: ENG
approved by: ENG
QA/QC by: ENG
project no.: 022-01217
drawing no.:
date:

SHEET 14 of 39

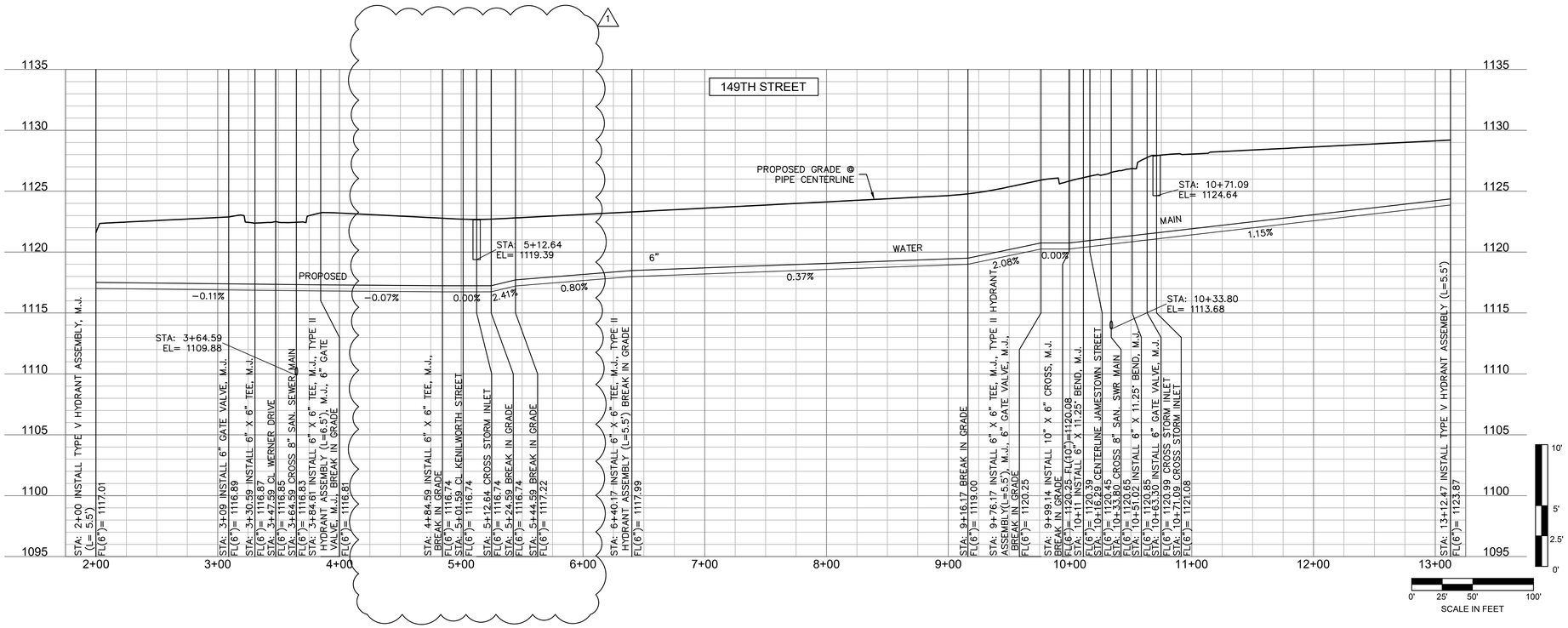
DWG: F:\2022\01001-01500\022-012174O-Design\AutoCAD\Final Plans\Sheets\C_WAT01_02201217.dwg USER: mlangston
DATE: Sep 03, 2024 3:39pm XREFS: V_XTOPO_02201217 C_PBASE_02201217

WAVERLY RIDGE
PUBLIC WATER MAIN IMPROVEMENTS



LEGEND

- PROPOSED WATER MAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- ROAD RIGHT-OF-WAY
- EASEMENT LINE
- LOT LINE
- ROADWAY CENTERLINE
- SECTION LINE
- SANITARY SEWER MANHOLE
- FIRE HYDRANT
- WATER VALVE
- STORM SEWER INLET
- SURVEY MONUMENT BOX



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PROFESSIONAL ENGINEER BRANDON D. BIBA E-15425 STATE OF NEBRASKA
7-31-2024

REV. NO.	DATE	REVISIONS DESCRIPTION
1	8.20.2024	City Comments

REVISIONS

PUBLIC WATER MAIN IMPROVEMENTS

WAVERLY RIDGE

WAVERLY, NEBRASKA

2024

drawn by:	MCL
checked by:	ENG
approved by:	ENG
QA/QC by:	ENG
project no.:	022-01217
drawing no.:	
date:	

SHEET 15 of 39

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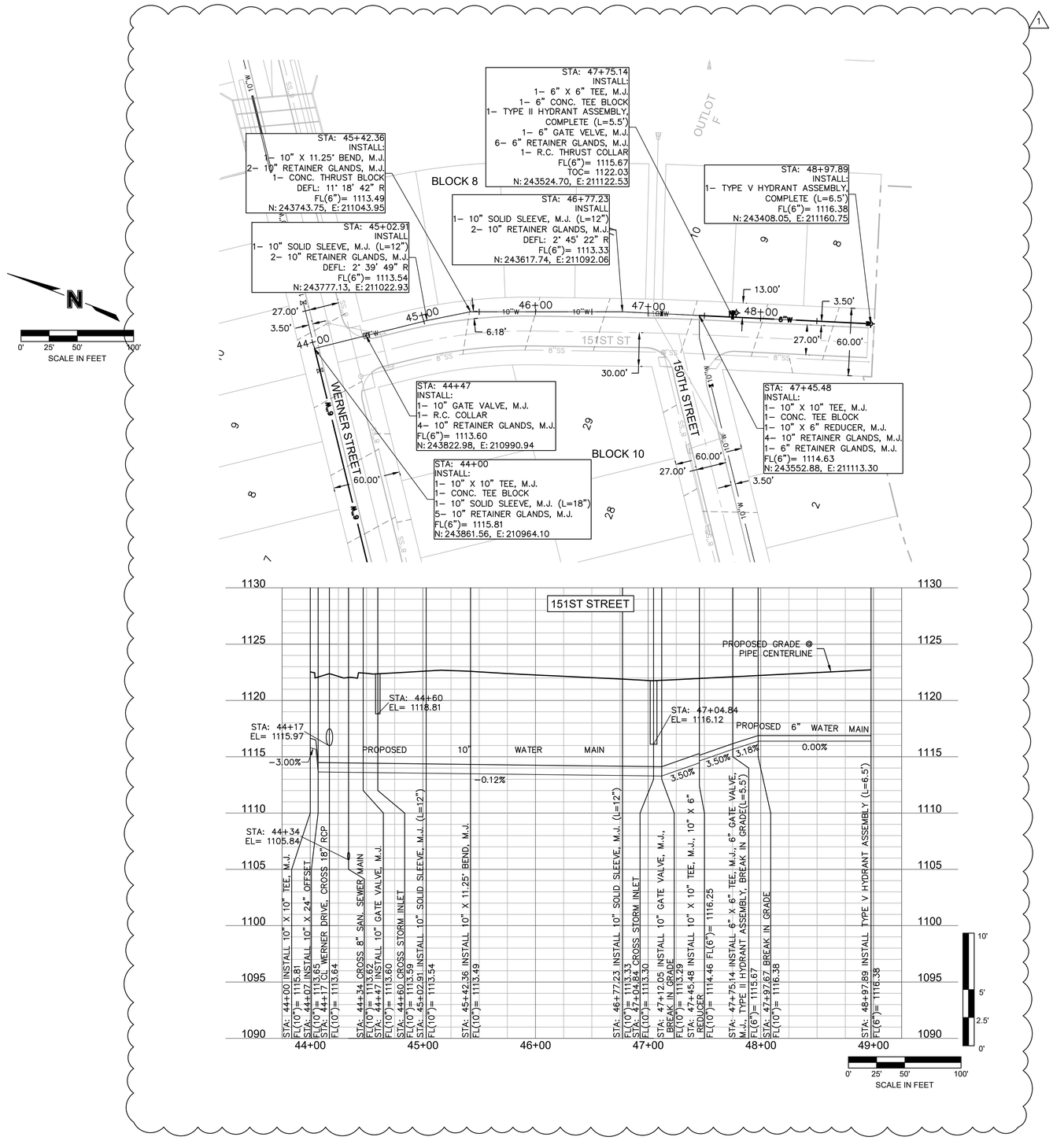
DWG: F:\2022\01001-01500\022-012174\0-Design\AutoCAD\Final Plans\Sheets\C_WAT01_02201217.dwg USER: mlangston
DATE: Sep 03, 2024 3:40pm XREFS: V_XTOPO_02201217 C_PBASE_02201217

WAVERLY RIDGE
PUBLIC WATER MAIN IMPROVEMENTS



LEGEND

- PROPOSED WATER MAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- ROAD RIGHT–OF–WAY
- EASEMENT LINE
- LOT LINE
- ROADWAY CENTERLINE
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PROFESSIONAL ENGINEER BRANDON D. BIBA E-15425 7-31-2024 STATE OF NEBRASKA

REVISIONS

REV NO.	DATE	REVISIONS DESCRIPTION
1	8.20.2024	City Comments

PUBLIC WATER MAIN IMPROVEMENTS

WAVERLY RIDGE

WAVERLY, NEBRASKA

2024

drawn by: MCL
checked by: ENG
approved by: ENG
QA/QC by: ENG
project no.: 022-01217
drawing no.:
date:

SHEET 16 of 39

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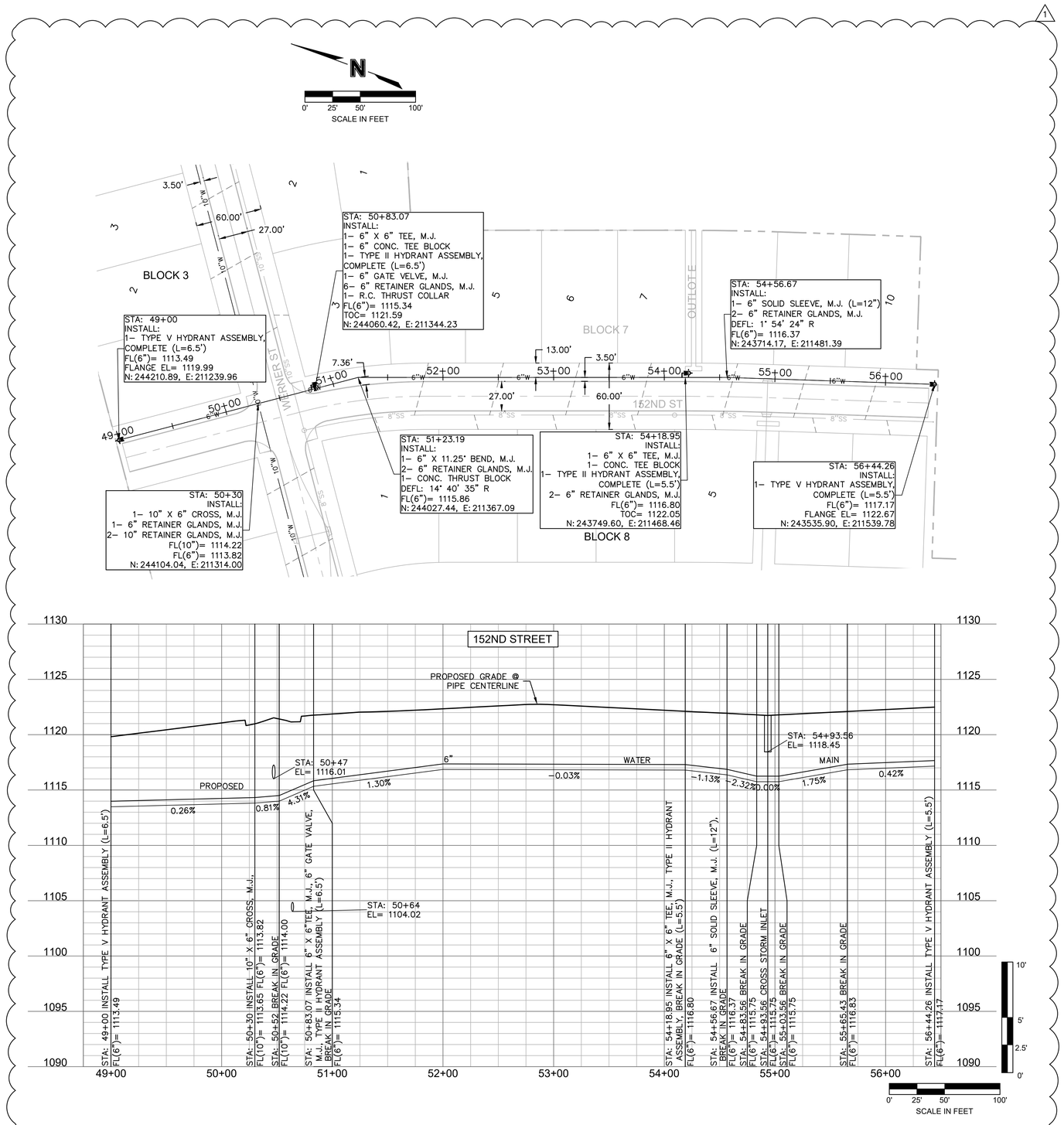
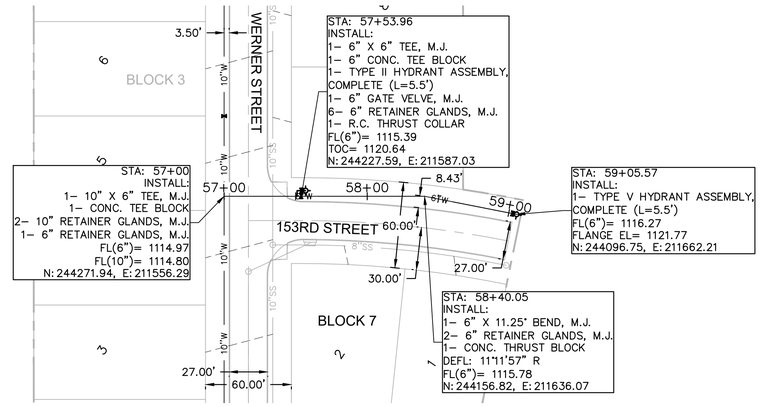
DWG: F:\2022\01001-01500\022-01217\40-Design\AutoCAD\Final Plans\Sheets\C_WAT01_02201217.dwg USER: mlangston
DATE: Sep 03, 2024 3:41pm XREFS: V_XTOPO_02201217 C_PBASE_02201217

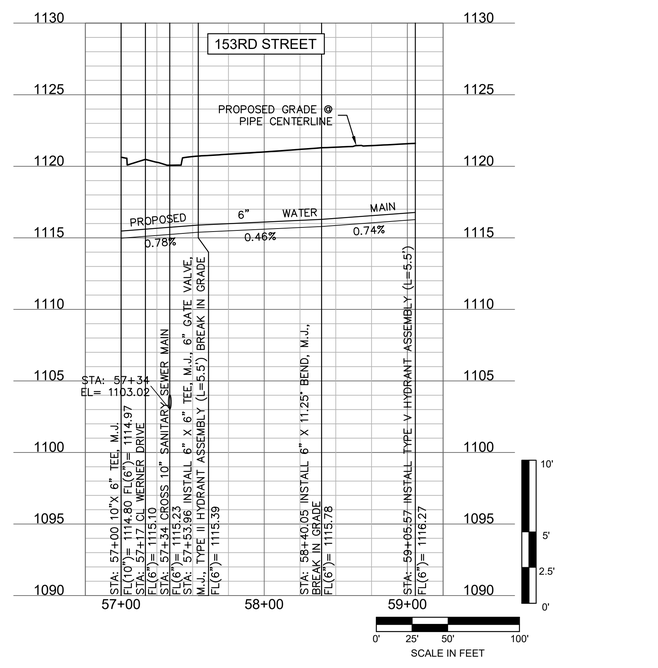
WAVERLY RIDGE
PUBLIC WATER MAIN IMPROVEMENTS

LEGEND

- PROPOSED WATER MAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- ROAD RIGHT-OF-WAY
- EASEMENT LINE
- LOT LINE
- ROADWAY CENTERLINE
- SECTION LINE
- SANITARY SEWER MANHOLE
- FIRE HYDRANT
- WATER VALVE
- STORM SEWER INLET
- SURVEY MONUMENT BOX







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REVISIONS

REV NO.	DATE	REVISIONS DESCRIPTION
1	8.20.2024	City Comments

PUBLIC WATER MAIN IMPROVEMENTS

WAVERLY RIDGE

WAVERLY, NEBRASKA

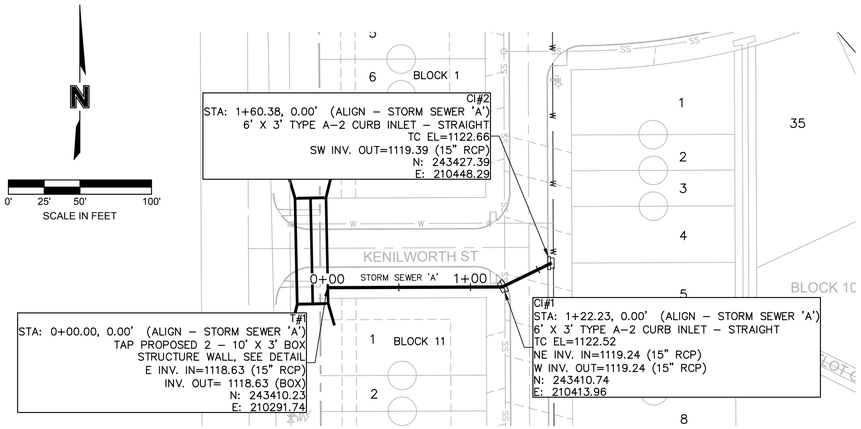
2024

drawn by: MCL
checked by: ENG
approved by: ENG
QA/QC by: ENG
project no.: 022-01217
drawing no.:
date:

SHEET
17 of 39

DWG: F:\2022\01001-01500\022-01217\40-Design\AutoCAD\Final Plans\Sheets\C_WAT01_02201217.dwg USER: mlangston
DATE: Sep 03, 2024 3:42pm XREFS: V_XTOPO_02201217 C_PBASE_02201217

WAVERLY RIDGE
PUBLIC STORM SEWER IMPROVEMENTS



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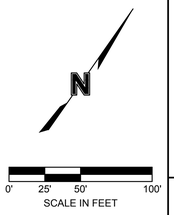

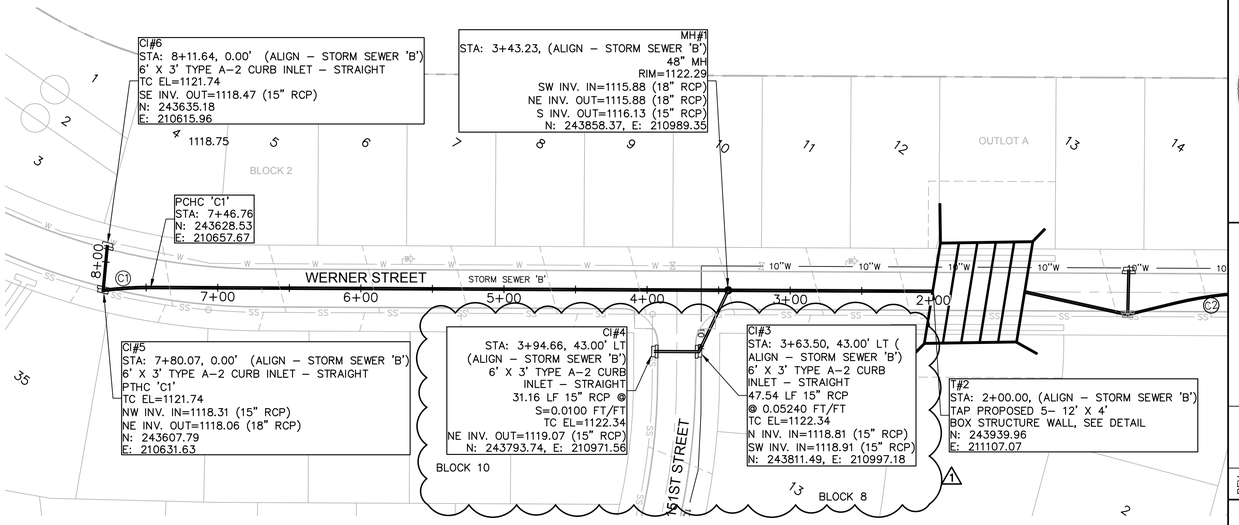

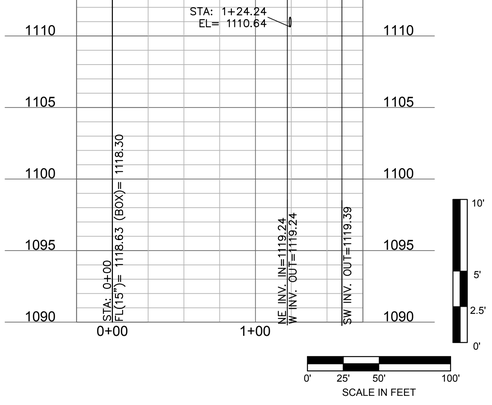

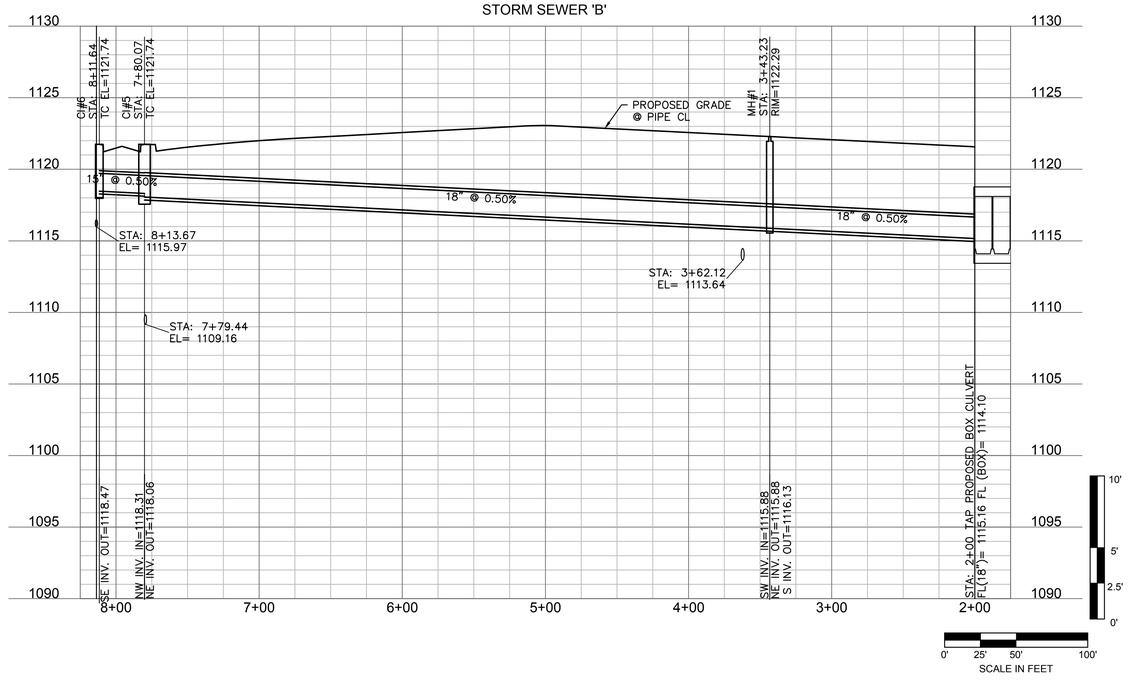

LEGEND

- PROPOSED WATER MAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- ROAD RIGHT–OF–WAY
- EASEMENT LINE
- LOT LINE
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- SANITARY SEWER MANHOLE
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- STORM SEWER INLET
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PROFESSIONAL ENGINEER
BRANDON D. BIBA
E-15425
7-31-2024
STATE OF NEBRASKA

REVISIONS

REV. NO.	DATE	REVISIONS DESCRIPTION
1	10.8.2024	Pipe Size

PUBLIC STORM SEWER IMPROVEMENTS

WAVERLY RIDGE

WAVERLY, NEBRASKA

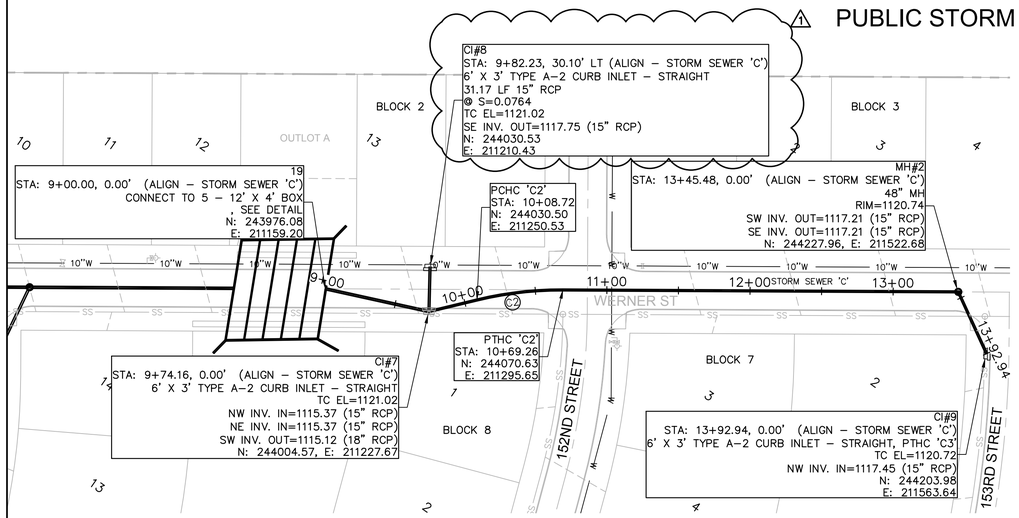
2024

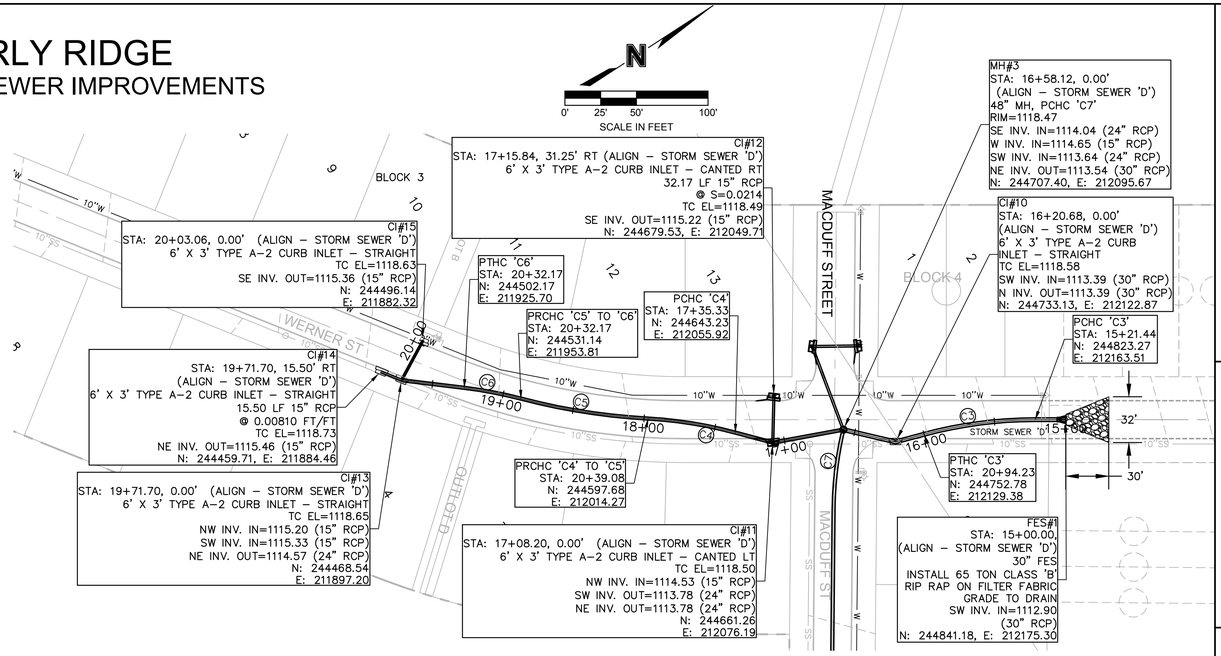
drawn by:	MCL
checked by:	ENG
approved by:	ENG
QA/QC by:	ENG
project no.:	022-01217
drawing no.:	
date:	

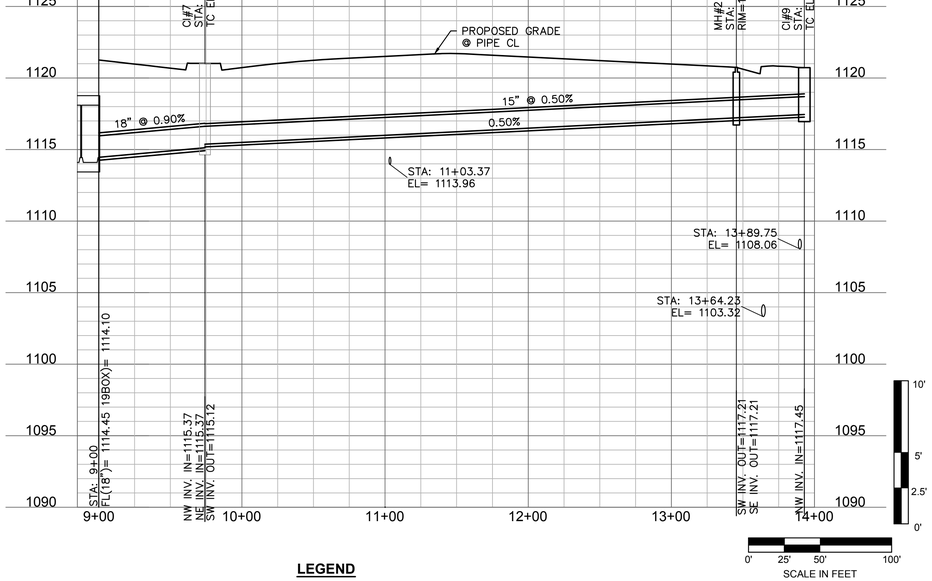
SHEET
18 of 39

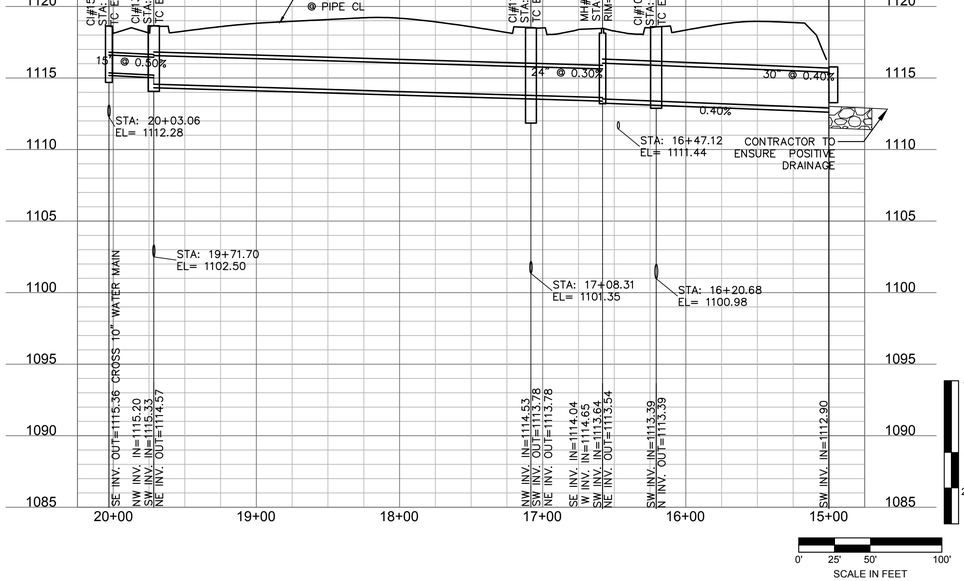
DWG: F:\2022\01001-01500\022-01217\40-Design\AutoCAD\Final Plans\Sheets\C_STM02_02201217.dwg USER: mlangston
DATE: Oct 09, 2024 1:56pm XREFS: V_XTOPO_02201217 C_PBASE_02201217

WAVERLY RIDGE
PUBLIC STORM SEWER IMPROVEMENTS









LEGEND

- PROPOSED WATER MAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- ROAD RIGHT–OF–WAY
- EASEMENT LINE
- LOT LINE
- ROADWAY CENTERLINE
- SECTION LINE
- SANITARY SEWER MANHOLE
- FIRE HYDRANT
- WATER VALVE
- STORM SEWER INLET
- SURVEY MONUMENT BOX

CURVE TABLE					
CURVE ID	RADIUS (FT)	DELTA	LENGTH (FT)	CHORD BEARING	CHORD LENGTH (FT)
C2	250.00	013.8736	60.54	S48°20'31.92"W	60.39
C3	300.00	015	78.54	N25°50'22.53"E	78.32
C4	300.00	011.8096	61.84	S42°26'05.16"W	61.73
C5	450.00	021.9394	172.31	N44°18'33.47"E	171.26
C6	300.00	007.7165	40.40	S44°08'14.11"W	40.37

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BRANDON D. BIBA E-15425 7-31-2024 NEBRASKA STATE REGISTERED ENGINEER

REV. NO.	DATE	REVISIONS DESCRIPTION
1	10.8.2024	Pipe Size

REVISIONS

PUBLIC STORM SEWER IMPROVEMENTS

WAVERLY RIDGE

2024

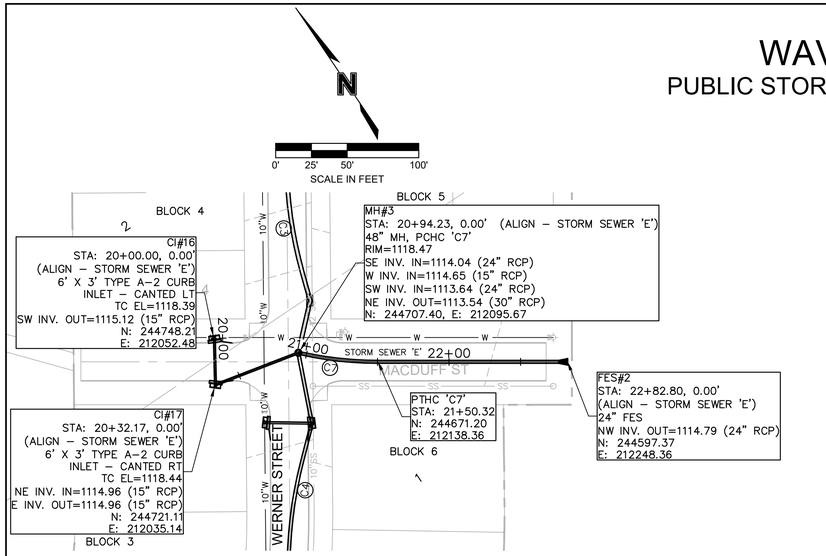
WAVERLY, NEBRASKA

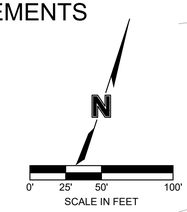
drawn by: MCL
checked by: ENG
approved by: ENG
QA/QC by: ENG
project no.: 022-01217
drawing no.:
date:

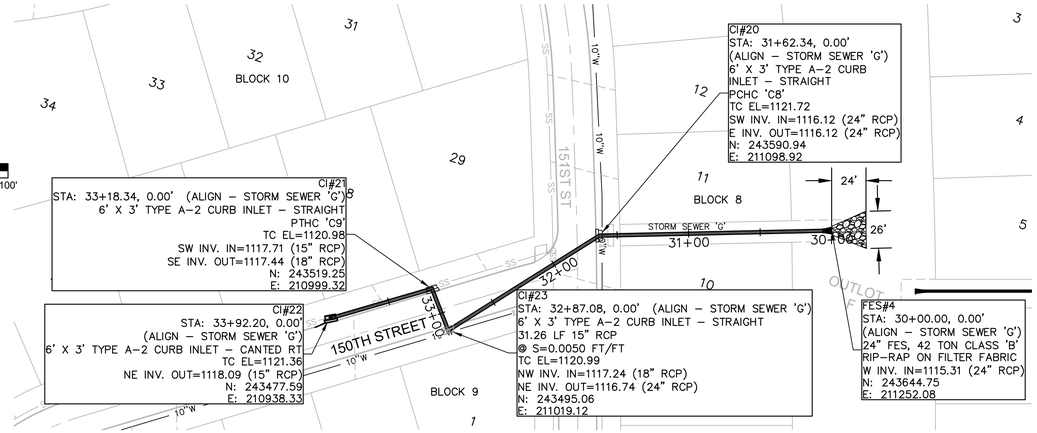
SHEET
19 of 39

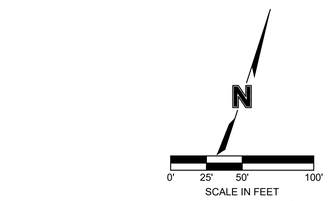
DWG: F:\2022\01001-01500\022-01217\40-Design\AutoCAD\Final Plans\Sheets\C_STM02_02201217.dwg USER: mlangston
DATE: Oct 09, 2024 2:02pm XREFS: V_XTOPO_02201217 C_PBASE_02201217

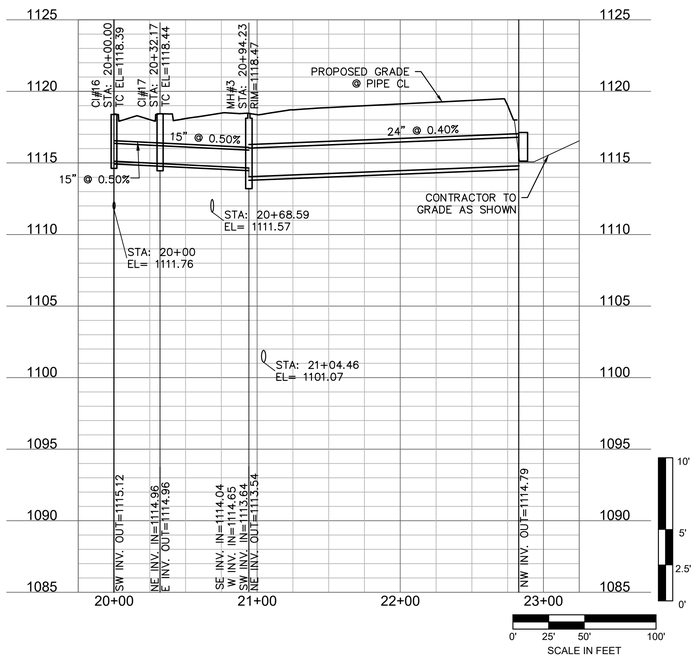
WAVERLY RIDGE
PUBLIC STORM SEWER IMPROVEMENTS

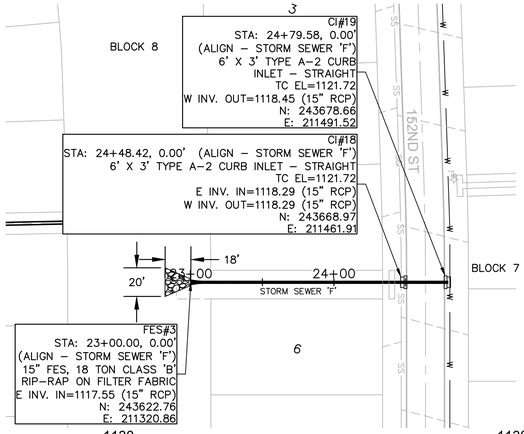


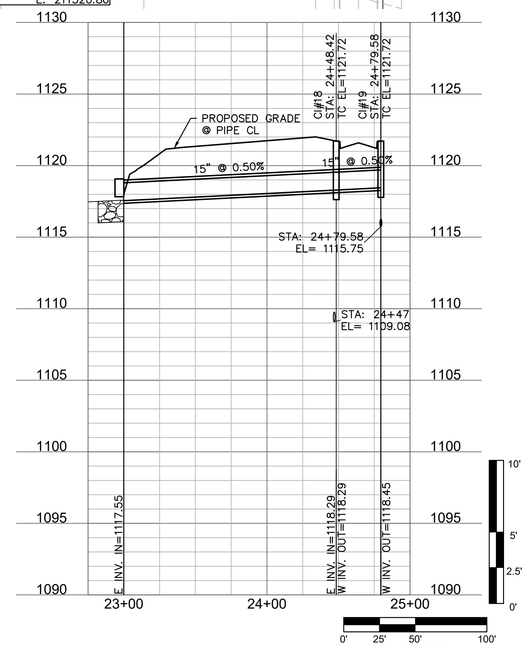


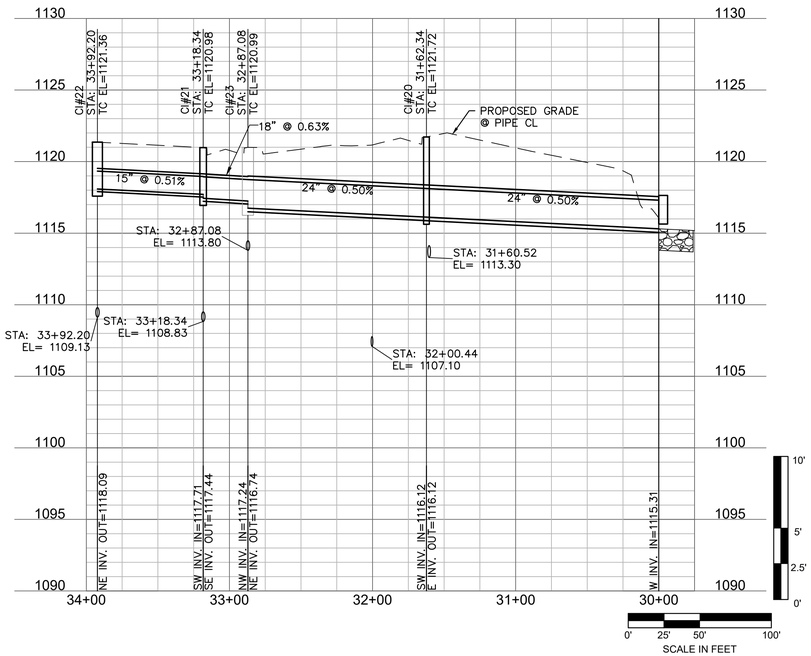












LEGEND

- PROPOSED WATER MAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- ROAD RIGHT–OF–WAY
- EASEMENT LINE
- LOT LINE
- ROADWAY CENTERLINE
- SECTION LINE
- SANITARY SEWER MANHOLE
- FIRE HYDRANT
- WATER VALVE
- STORM SEWER INLET
- SURVEY MONUMENT BOX

CURVE TABLE

CURVE ID	RADIUS (FT)	DELTA	LENGTH (FT)	CHORD BEARING	CHORD LENGTH (FT)
C7	250.00	012.8558	56.09	S49°42'14.42"E	55.98

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PROFESSIONAL ENGINEER BRANDON D. BIBA E-15425 7-31-2024 STATE OF NEBRASKA

REVISIONS

REV. NO.	DATE	REVISIONS DESCRIPTION

PUBLIC STORM SEWER IMPROVEMENTS
WAVERLY RIDGE
WAVERLY, NEBRASKA
2024

drawn by: MCL
checked by: ENG
approved by: ENG
QA/QC by: ENG
project no.: 022-01217
drawing no.:
date:

SHEET
20 of 39

DWG: F:\2022\01001-01500\022-01217\40-Design\AutoCAD\Final Plans\Sheets\C_STM02_02201217.dwg USER: mlangston
DATE: Sep 05, 2024 7:01pm XREFS: V_XTOPO_02201217 C_PBASE_02201217

WAVERLY RIDGE
PUBLIC STORM SEWER IMPROVEMENTS

CURVE TABLE					
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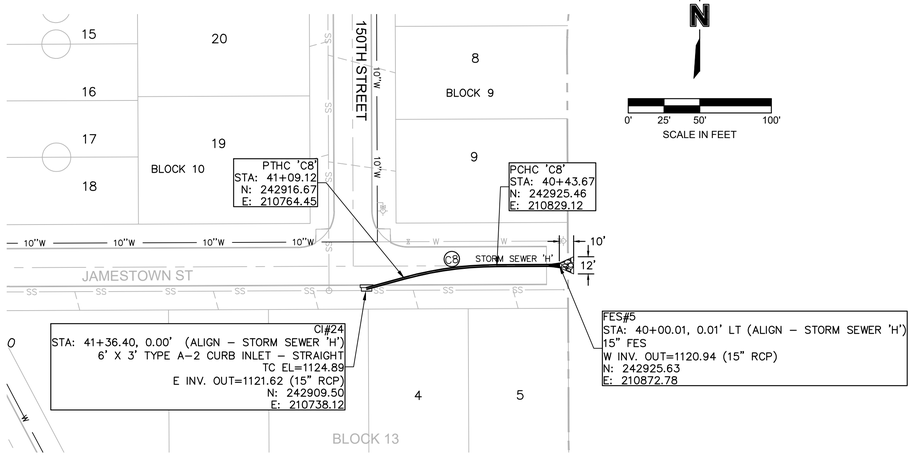

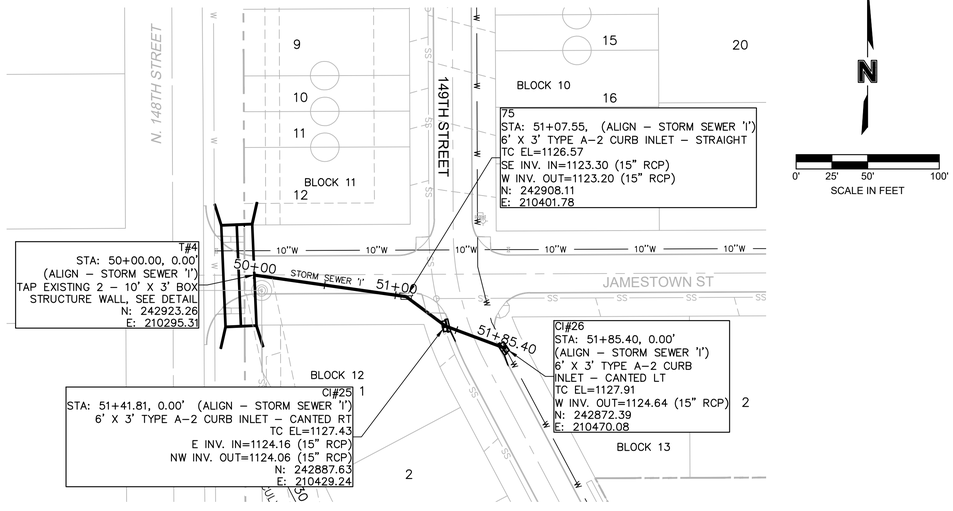

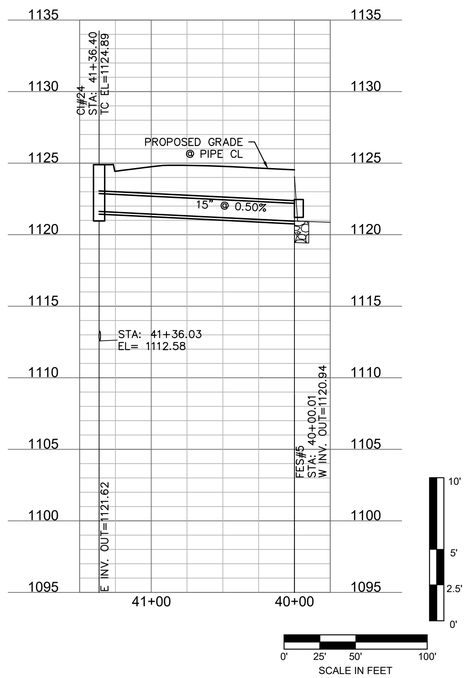

LEGEND

- PROPOSED WATER MAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- ROAD RIGHT–OF–WAY
- EASEMENT LINE
- LOT LINE
- ROADWAY CENTERLINE
- SECTION LINE
- SANITARY SEWER MANHOLE
- FIRE HYDRANT
- WATER VALVE
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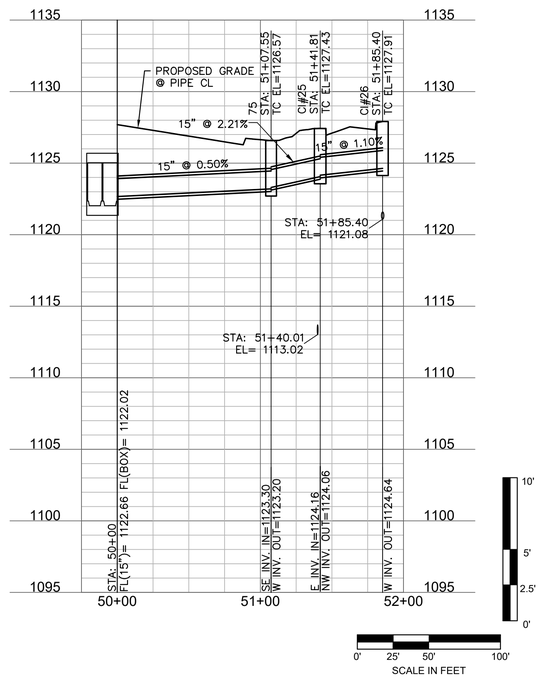
- SURVEY MONUMENT BOX



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PROFESSIONAL ENGINEER
BRANDON D. BIBA
E-15425
7-31-2024
STATE OF NEBRASKA

REV. NO.	DATE	REVISIONS DESCRIPTION
		REVISIONS

PUBLIC STORM SEWER IMPROVEMENTS

WAVERLY RIDGE

2024

WAVERLY, NEBRASKA

drawn by:	MCL
checked by:	ENG
approved by:	ENG
QA/QC by:	ENG
project no.:	022-01217
drawing no.:	
date:	

DWG: F:\2022\01001-01500\022-01217\40-Design\AutoCAD\Final Plans\Sheets\C_STM02_02201217.dwg USER: mlangston
DATE: Sep 05, 2024 7:04pm XREFS: V_XTOPO_02201217 C_PBASE_02201217

WAVERLY RIDGE
PUBLIC PAVING IMPROVEMENTS

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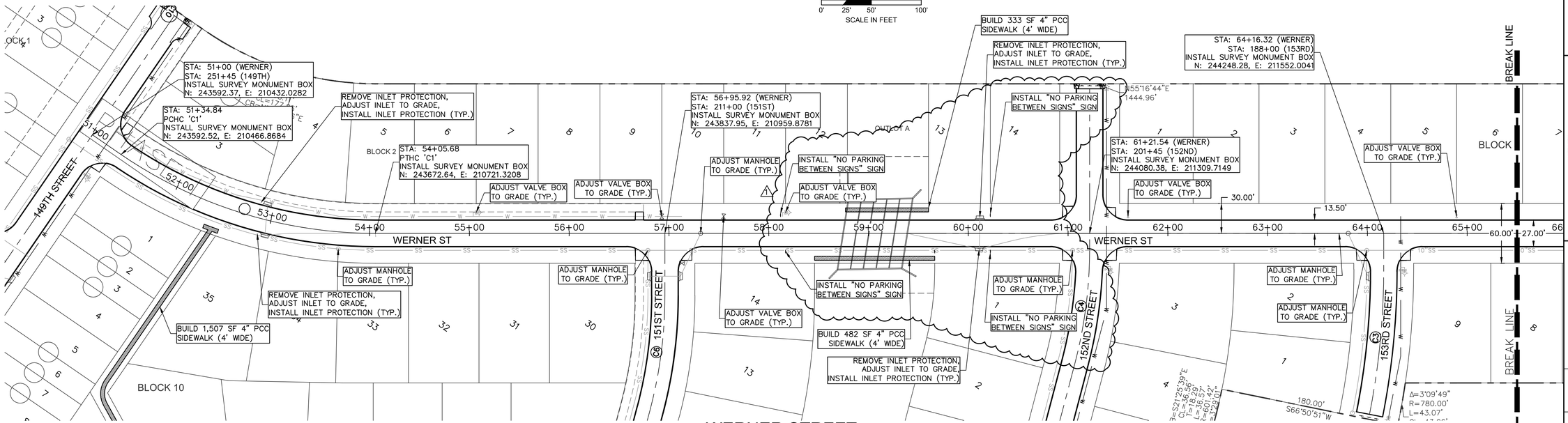
CURVE TABLE					
CURVE ID	RADIUS (FT)	DELTA	LENGTH (FT)	CHORD BEARING	CHORD LENGTH (FT)
C1	450.00	034°29'04"	270.84	N72°31'16"E	266.77

LEGEND

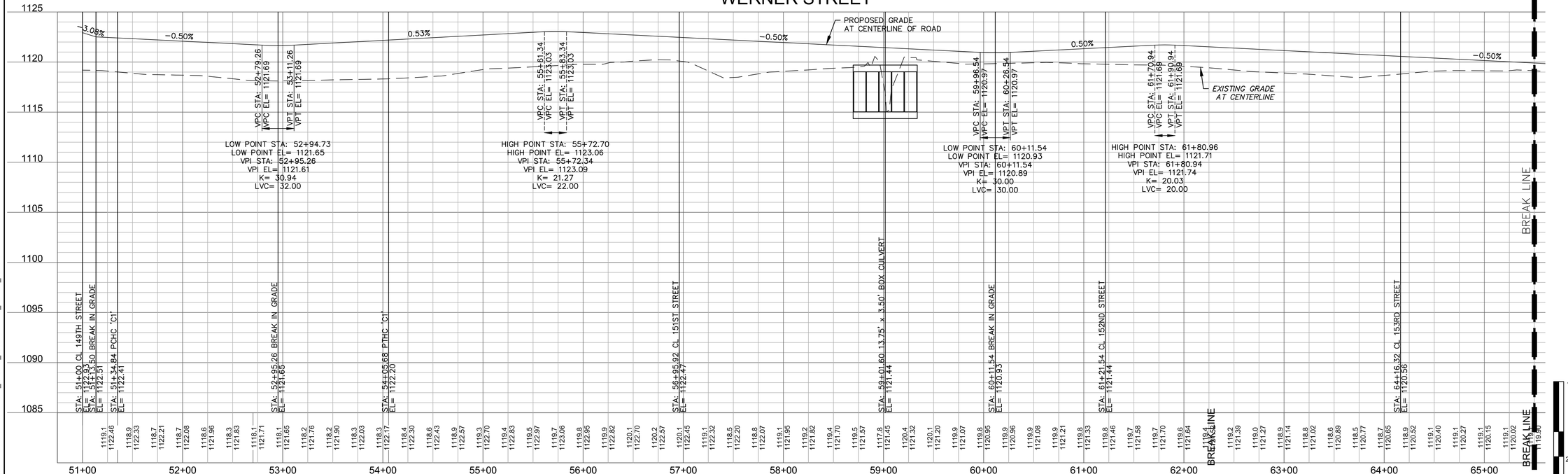
- PROPOSED WATER MAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- ROAD RIGHT-OF-WAY
- EASEMENT LINE
- LOT LINE
- ROADWAY CENTERLINE
- SECTION LINE
- SANITARY SEWER MANHOLE
- FIRE HYDRANT
- STORM SEWER INLET
- WATER VALVE
- SURVEY MONUMENT BOX

N

0' 25' 50' 100'
SCALE IN FEET



WERNER STREET



0' 25' 50' 100'
SCALE IN FEET

10'
5'
2.5'
0'

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Lincoln, NE 68508
TEL 402.474.6311 www.olsson.com

BRANDON D. BIBA E-15425 7-31-2024 REGISTERED PROFESSIONAL ENGINEER STATE OF NEBRASKA

REVISIONS

REV. NO.	DATE	REVISIONS DESCRIPTION
1	10.31.2024	SIGNS ADDED

PUBLIC PAVING IMPROVEMENTS
WAVERLY RIDGE
WAVERLY, NEBRASKA
2024

drawn by: MCL
checked by: ENG
approved by: ENG
QA/QC by: ENG
project no.: 022-01217
drawing no.:
date:

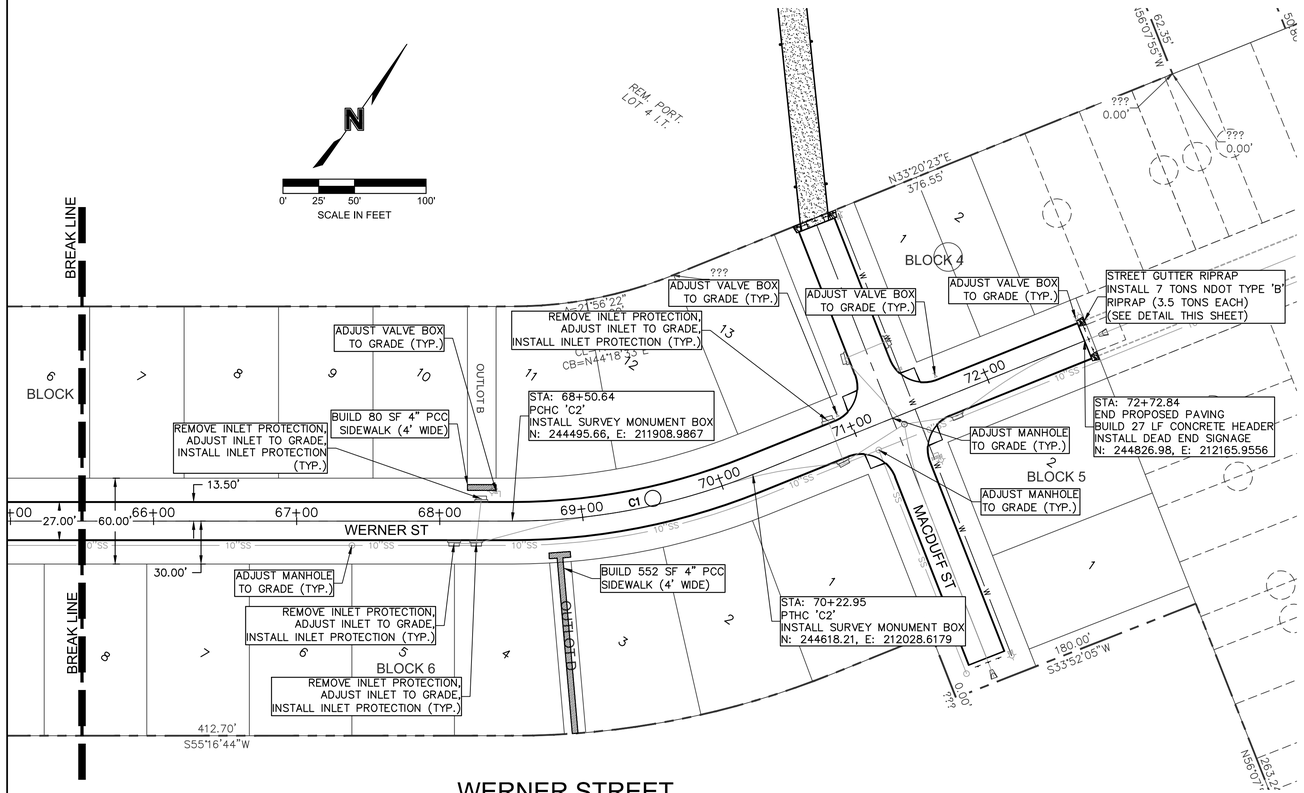
SHEET
22 of 39

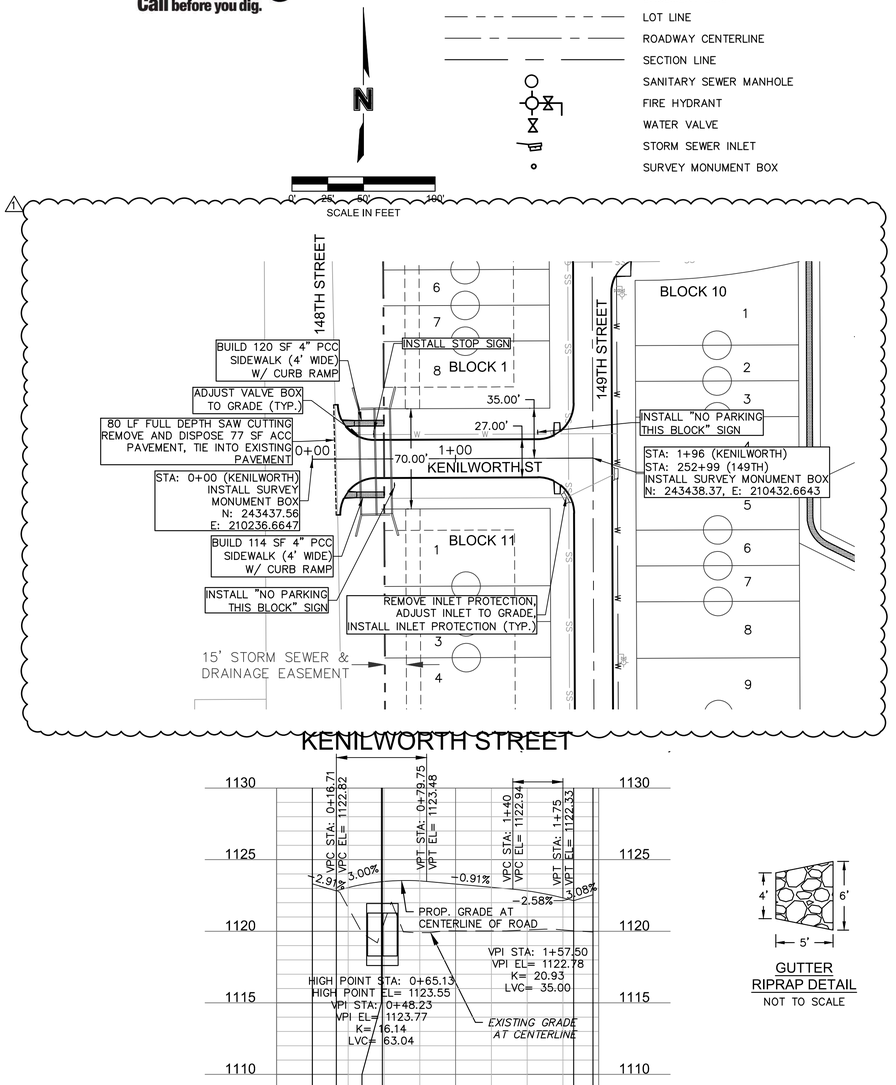
DWG: F:\2022\01001-01500\022-012174O-Design\AutoCAD\Final Plans\Sheets\C_PAV\01_02201217.dwg USER: mlangston
DATE: Oct 31, 2024 10:20am XREFS: V_XTOPO_02201217 C_PBASE_02201217

CURVE TABLE					
CURVE ID	RADIUS (FT)	DELTA	LENGTH (FT)	CHORD BEARING	CHORD LENGTH (FT)
C2	450.00	021°56'22"	172.31	N44°18'33"E	171.26

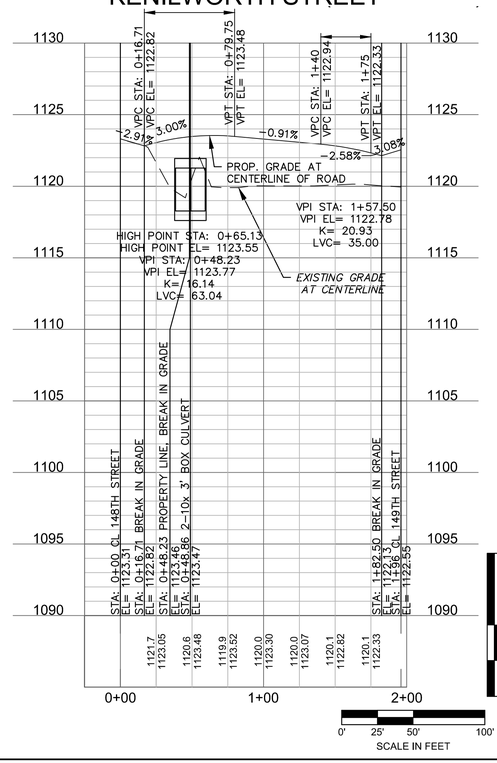
WAVERLY RIDGE
PUBLIC PAVING IMPROVEMENTS

ne1call.com 800-331-5666
Nebraska 811
Know what's below. Call before you dig.



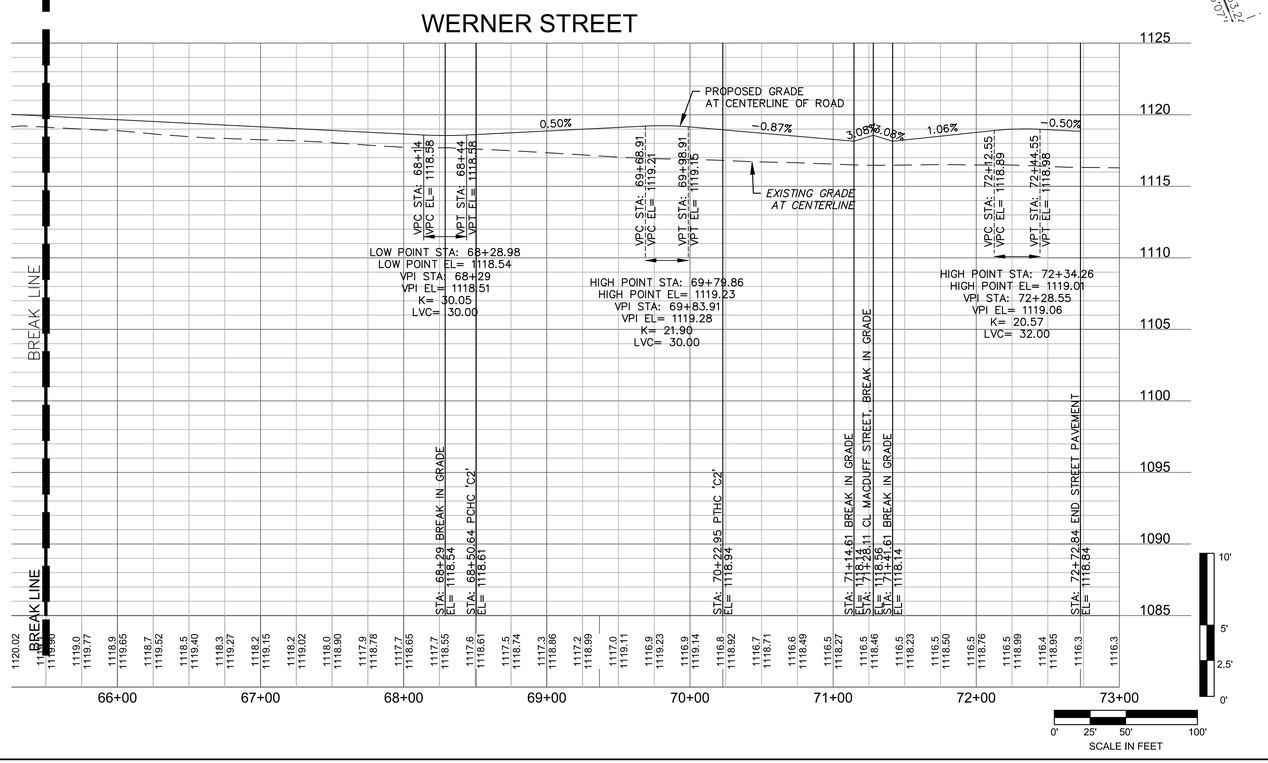


KENILWORTH STREET



GUTTER RIPRAP DETAIL
NOT TO SCALE

WERNER STREET



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TEL 402.474.6311 www.olsson.com

BRANDON D. BIBA — E-15425 — 7-31-2024 — STATE OF NEBRASKA — PROFESSIONAL ENGINEER

REVISIONS

REV. NO.	DATE	REVISIONS DESCRIPTION
1	10.31.2024	SIGNS ADDED

PUBLIC PAVING IMPROVEMENTS
WAVERLY RIDGE
WAVERLY, NEBRASKA
2024

drawn by:	MCL
checked by:	ENG
approved by:	ENG
QA/QC by:	ENG
project no.:	022-01217
drawing no.:	
date:	

SHEET 23 of 39

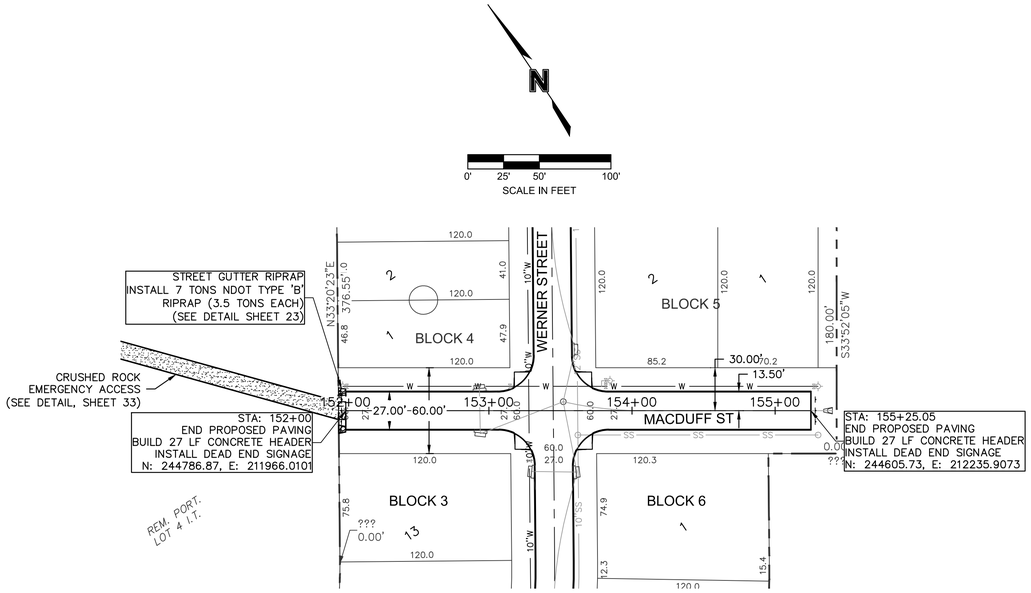
DWG: F:\2022\01001-01500\022-012174O-Design\AutoCAD\Final Plans\Sheets\C_PAV01_02201217.dwg USER: mlangston
DATE: Oct 31, 2024 10:26am XREFS: V_XTOPO_02201217 C_PBASE_02201217

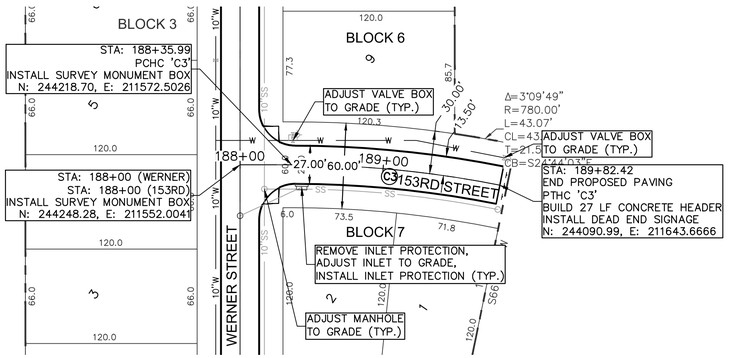
WAVERLY RIDGE
PUBLIC PAVING IMPROVEMENTS

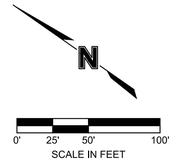
LEGEND

- PROPOSED WATER MAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- ROAD RIGHT-OF-WAY
- EASEMENT LINE
- LOT LINE
- ROADWAY CENTERLINE
- SECTION LINE
- SANITARY SEWER MANHOLE
- FIRE HYDRANT
- WATER VALVE
- STORM SEWER INLET
- SURVEY MONUMENT BOX

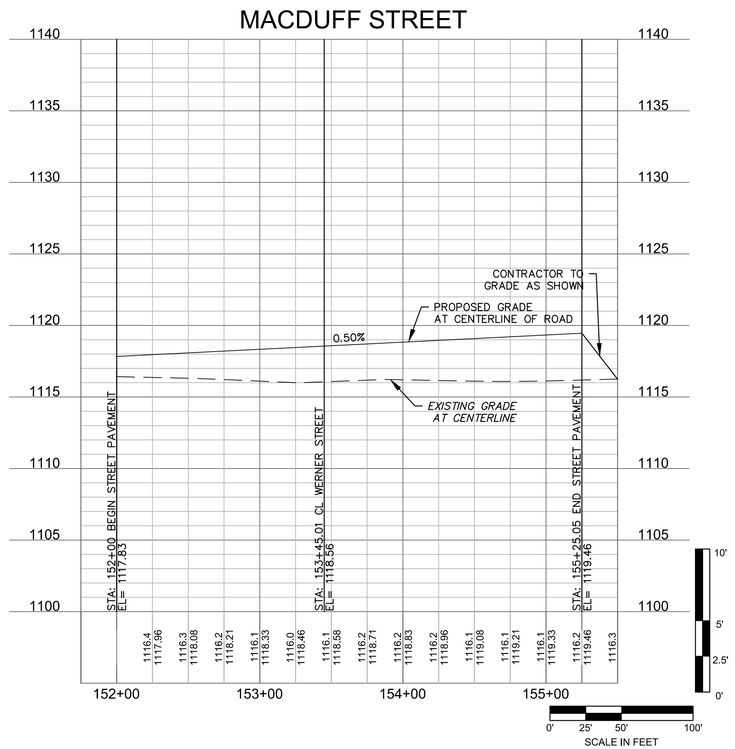
CURVE TABLE					
CURVE ID	RADIUS (FT)	DELTA	LENGTH (FT)	CHORD BEARING	CHORD LENGTH (FT)
C3	750.00	011°11'12"	146.43	N29°07'40"W	146.20



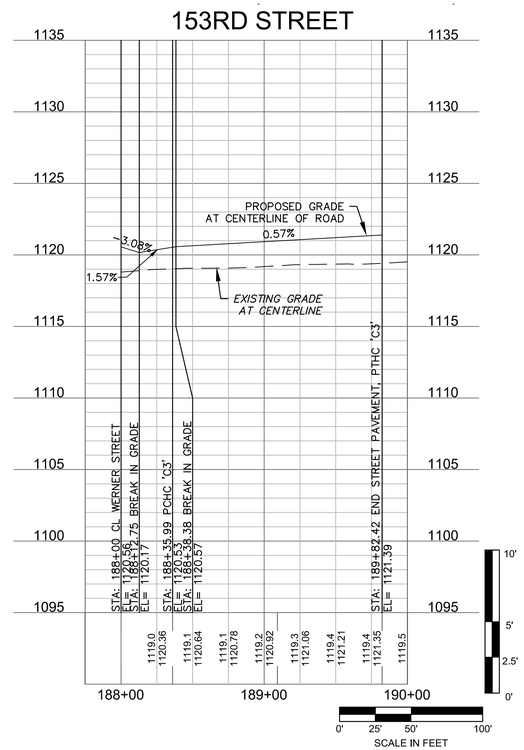




MACDUFF STREET



153RD STREET



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REVISIONS

REV. NO.	DATE	REVISIONS DESCRIPTION

PUBLIC PAVING IMPROVEMENTS
WAVERLY RIDGE
WAVERLY, NEBRASKA
2024

drawn by:	MCL
checked by:	ENG
approved by:	ENG
QA/QC by:	ENG
project no.:	022-01217
drawing no.:	
date:	

SHEET
24 of 39

DWG: F:\2022\01001-01500\022-01217\40-Design\AutoCAD\Final Plans\Sheets\C_PAV01_02201217.dwg USER: mlangston
DATE: Sep 05, 2024 6:09pm XREFS: V_XTOPO_02201217 C_PBASE_02201217

ne1call.com 800-331-5666
Nebraska 811 Know what's below. Call before you dig.

WAVERLY RIDGE
PUBLIC PAVING IMPROVEMENTS

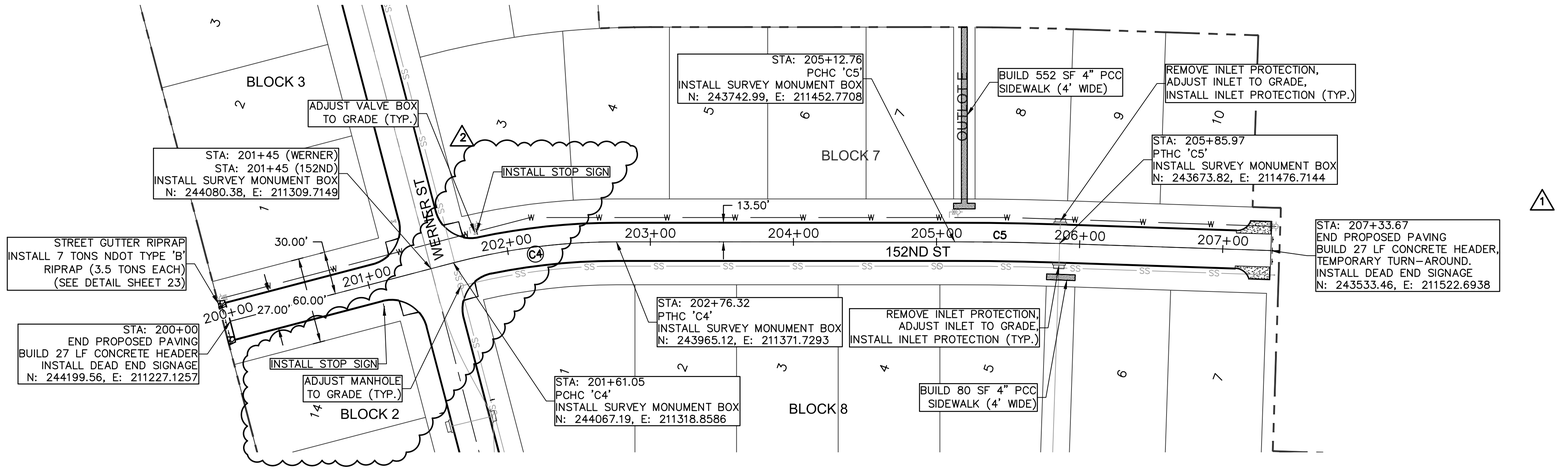
LEGEND

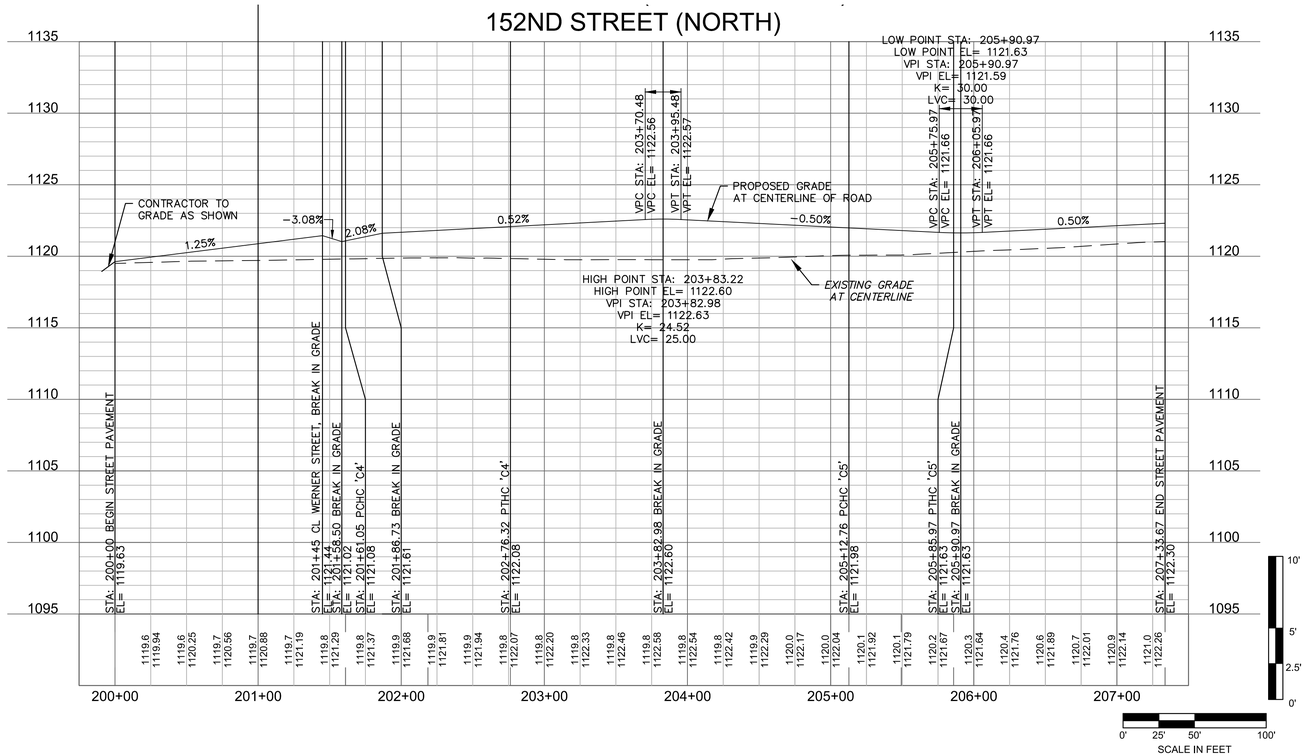
- PROPOSED WATER MAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- ROAD RIGHT-OF-WAY
- EASEMENT LINE
- LOT LINE
- ROADWAY CENTERLINE
- SECTION LINE
- SANITARY SEWER MANHOLE
- FIRE HYDRANT
- WATER VALVE
- STORM SEWER INLET
- SURVEY MONUMENT BOX

N

0' 25' 50' 100'
SCALE IN FEET

CURVE TABLE					
CURVE ID	RADIUS (FT)	DELTA	LENGTH (FT)	CHORD BEARING	CHORD LENGTH (FT)
C4	450.00	014°40'35"	115.27	S27°22'58"E	114.95
C5	2200.00	001°54'24"	73.21	S19°05'29"E	73.21





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PROFESSIONAL ENGINEER BRANDON D. BIBA E-15425 7-31-2024 STATE OF NEBRASKA

REVISIONS

REV. NO.	DATE	REVISIONS DESCRIPTION
1	10.8.2024	Tennessee Turn-Around
2	10.31.2024	SIGNS ADDED

PUBLIC PAVING IMPROVEMENTS
WAVERLY RIDGE
WAVERLY, NEBRASKA
2024

drawn by: MCL
checked by: ENG
approved by: ENG
QA/QC by: ENG
project no.: 022-01217
drawing no.:
date:

SHEET 25 of 39

DWG: F:\2022\01001-01500\022-01217\40-Design\AutoCAD\Final Plans\Sheets\C_PAV01_02201217.dwg USER: mlangston
DATE: Oct 31, 2024 10:29am XREFS: V_XTOPO_02201217 C_PBASE_02201217

WAVERLY RIDGE
PUBLIC PAVING IMPROVEMENTS

CURVE TABLE					
CURVE ID	RADIUS (FT)	DELTA	LENGTH (FT)	CHORD BEARING	CHORD LENGTH (FT)
C6	450.00	014°40'35"	115.27	S27°22'58"E	114.95
C7	1800.00	001°54'24"	59.90	S19°05'29"E	59.90

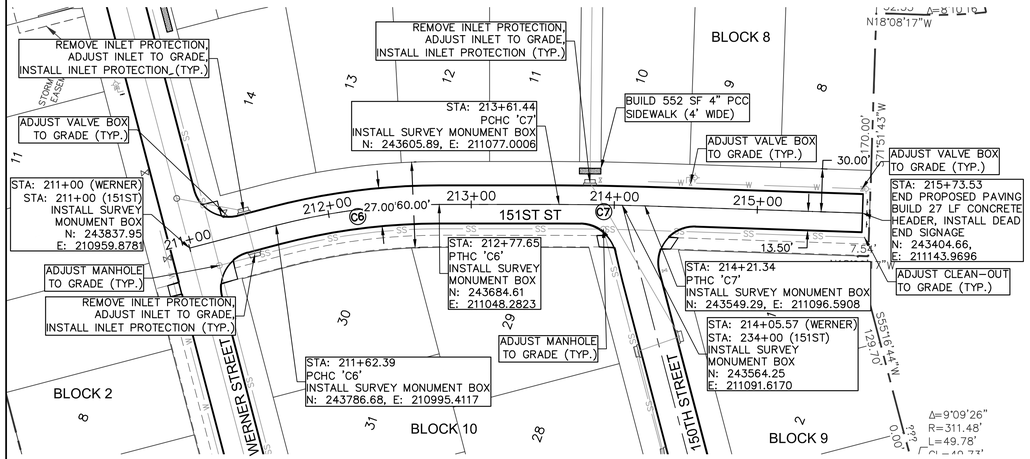
ne1call.com 800-331-5666
Nebraska 811 Know what's below. Call before you dig.

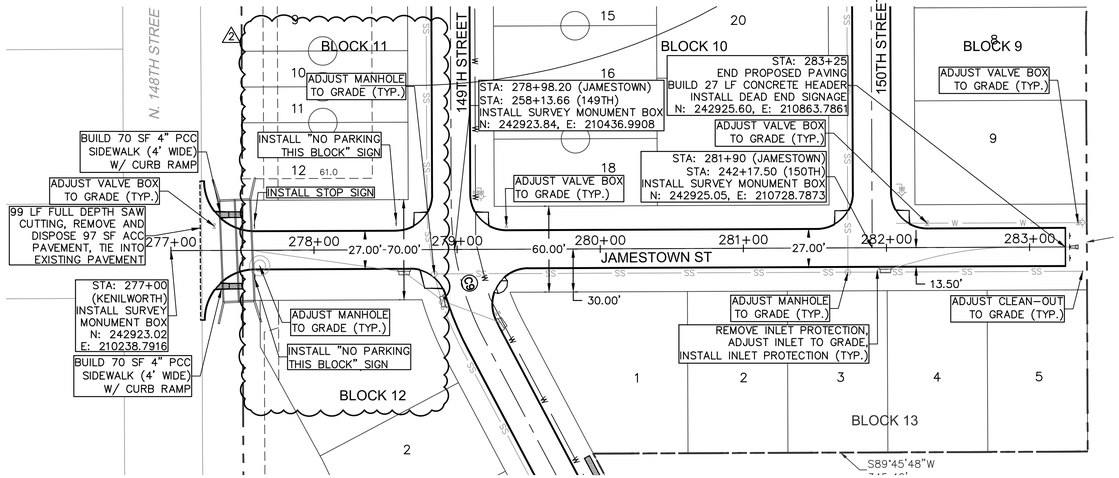
LEGEND

- PROPOSED WATER MAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- ROAD RIGHT-OF-WAY
- EASEMENT LINE
- LOT LINE
- ROADWAY CENTERLINE
- SECTION LINE
- SANITARY SEWER MANHOLE
- FIRE HYDRANT
- WATER VALVE
- STORM SEWER INLET
- SURVEY MONUMENT BOX

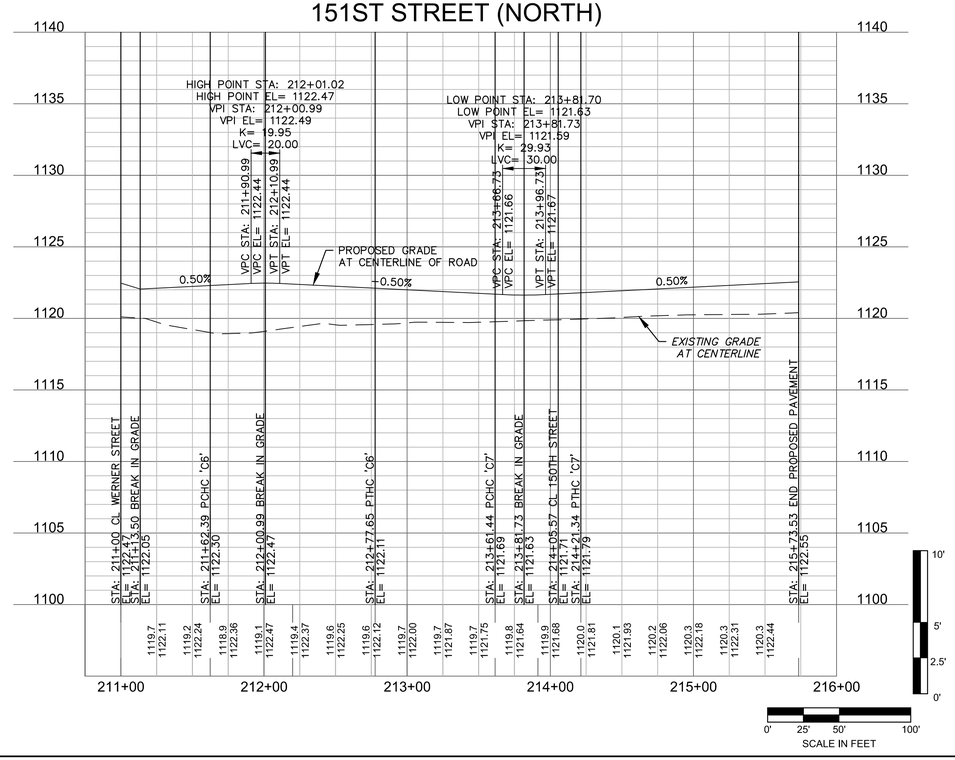
N

0' 25' 50' 100'
SCALE IN FEET

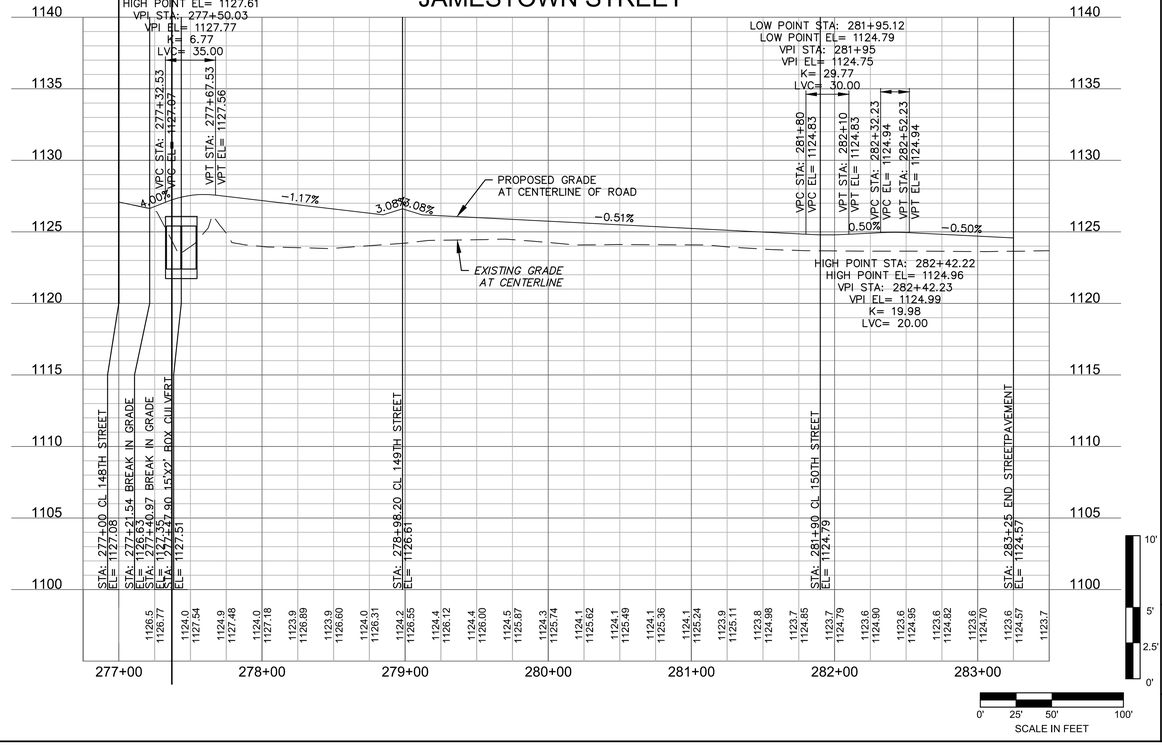




151ST STREET (NORTH)



JAMESTOWN STREET



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BRANDON D. BIBA E-15425 7-31-2024 REGISTERED PROFESSIONAL ENGINEER STATE OF NEBRASKA

REVISIONS

REV. NO.	DATE	REVISIONS DESCRIPTION
1	10/8/2024	Jamestown Grade
2	10.31.2024	No Parking Signs

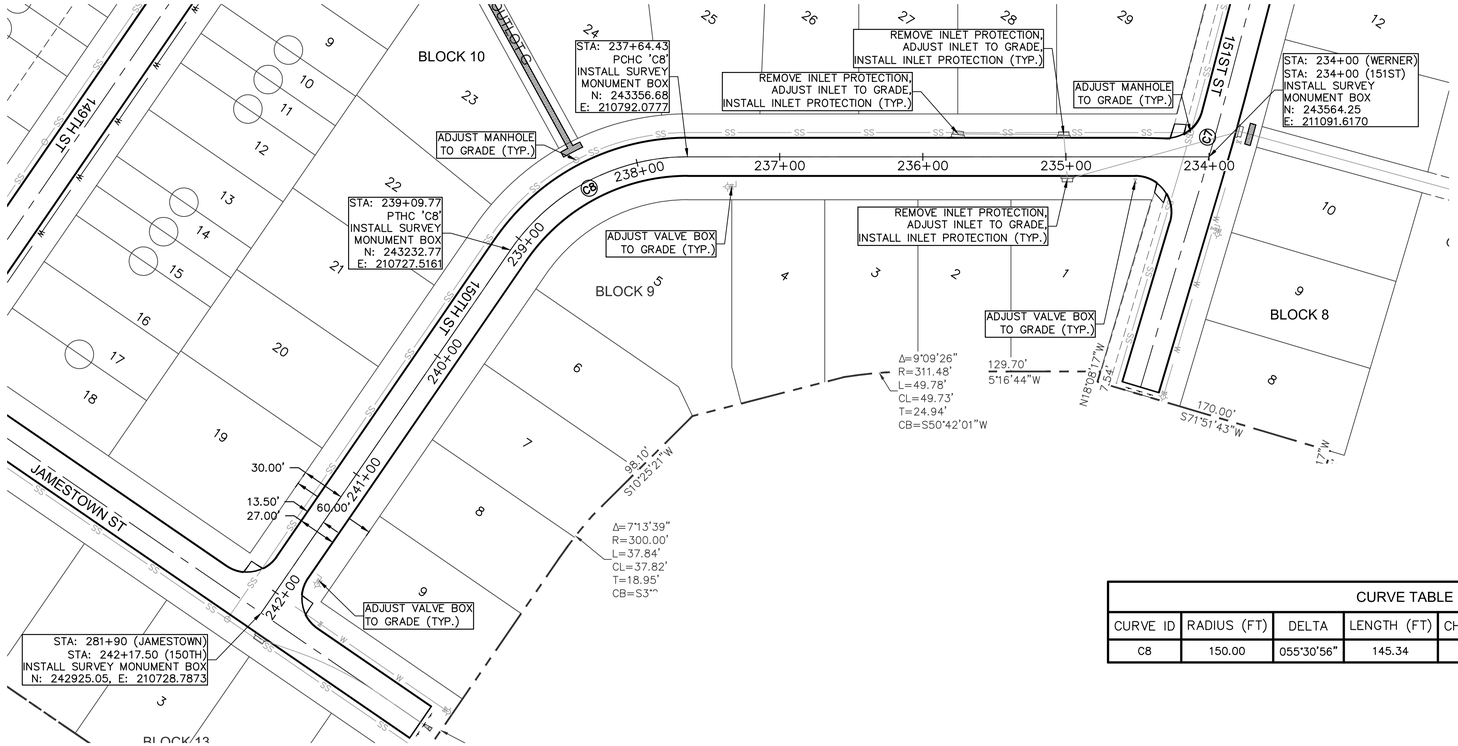
PUBLIC PAVING IMPROVEMENTS
WAVERLY RIDGE
WAVERLY, NEBRASKA
2024

drawn by:	MCP
checked by:	ENG
approved by:	ENG
QA/QC by:	ENG
project no.:	022-01217
drawing no.:	
date:	

SHEET
26 of 39

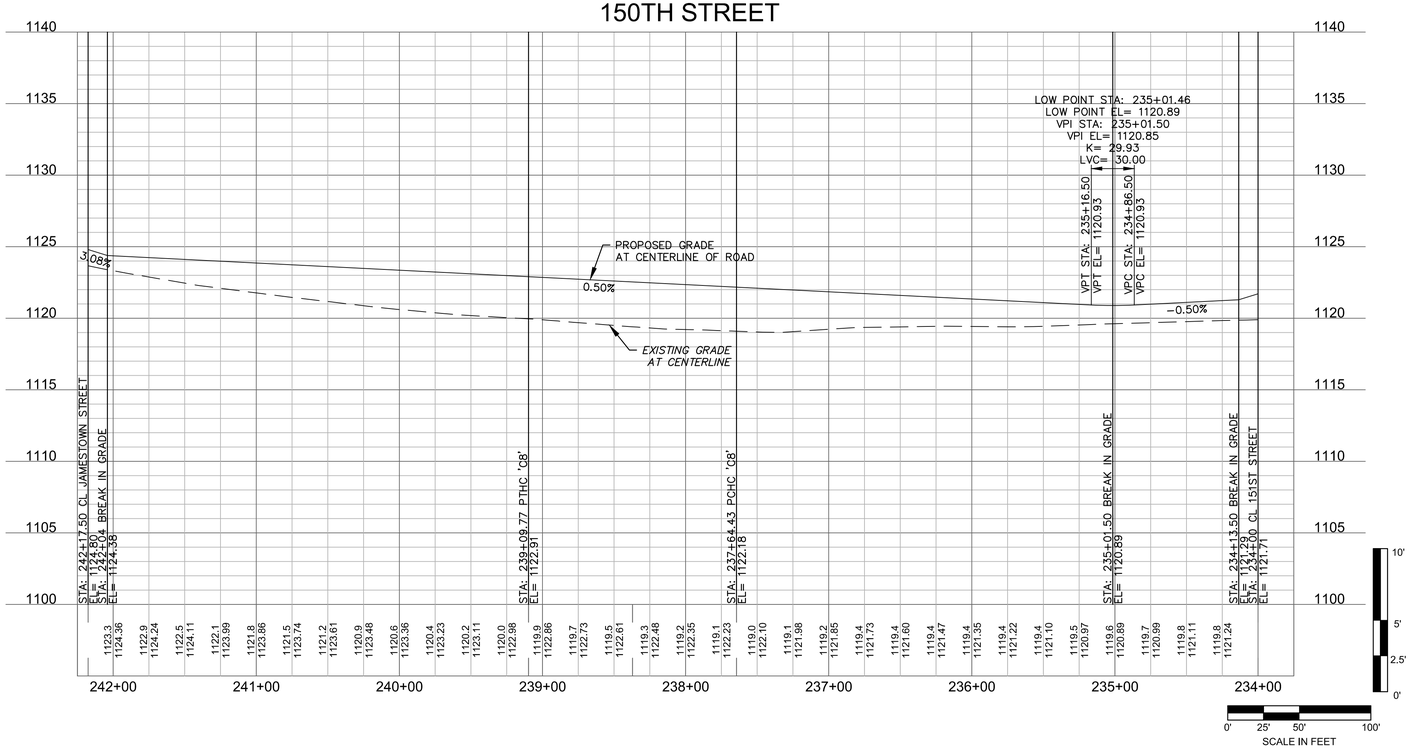
DWG: F:\2022\01001-01500\022-01217\40-Design\AutoCAD\Final Plans\Sheets\C_PAV01_02201217.dwg USER: mlangston
DATE: Oct 31, 2024 10:30am XREFS: V_XTOPO_02201217 C_PBASE_02201217

WAVERLY RIDGE
PUBLIC PAVING IMPROVEMENTS



CURVE TABLE					
CURVE ID	RADIUS (FT)	DELTA	LENGTH (FT)	CHORD BEARING	CHORD LENGTH (FT)
C8	150.00	055°30'56"	145.34	S27°31'16"W	139.72

150TH STREET



LEGEND

- PROPOSED WATER MAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- ROAD RIGHT-OF-WAY
- EASEMENT LINE
- LOT LINE
- ROADWAY CENTERLINE
- SECTION LINE
- SANITARY SEWER MANHOLE
- FIRE HYDRANT
- WATER VALVE
- STORM SEWER INLET
- SURVEY MONUMENT BOX

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PROFESSIONAL CIVIL ENGINEER BRANDON D. BIBA E-15425 7-31-2024 STATE OF NEBRASKA

REVISIONS

REV. NO.	DATE	REVISIONS DESCRIPTION

PUBLIC PAVING IMPROVEMENTS
WAVERLY RIDGE
WAVERLY, NEBRASKA
2024

drawn by:	MCL
checked by:	ENG
approved by:	ENG
QA/QC by:	ENG
project no.:	022-01217
drawing no.:	
date:	

SHEET
27 of 39

DWG: F:\2022\01001-01500\022-01217\40-Design\AutoCAD\Final Plans\Sheets\C_PAV01_02201217.dwg USER: mlangston
DATE: Oct 31, 2024 10:33am XREFS: V_XTOPO_02201217 C_PBASE_02201217

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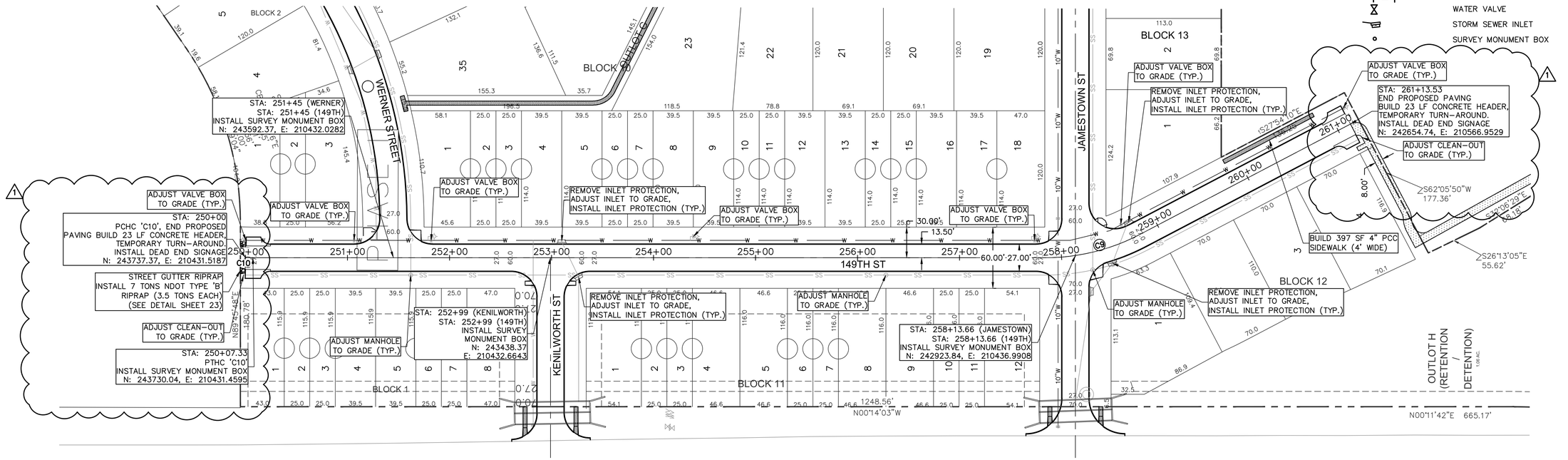
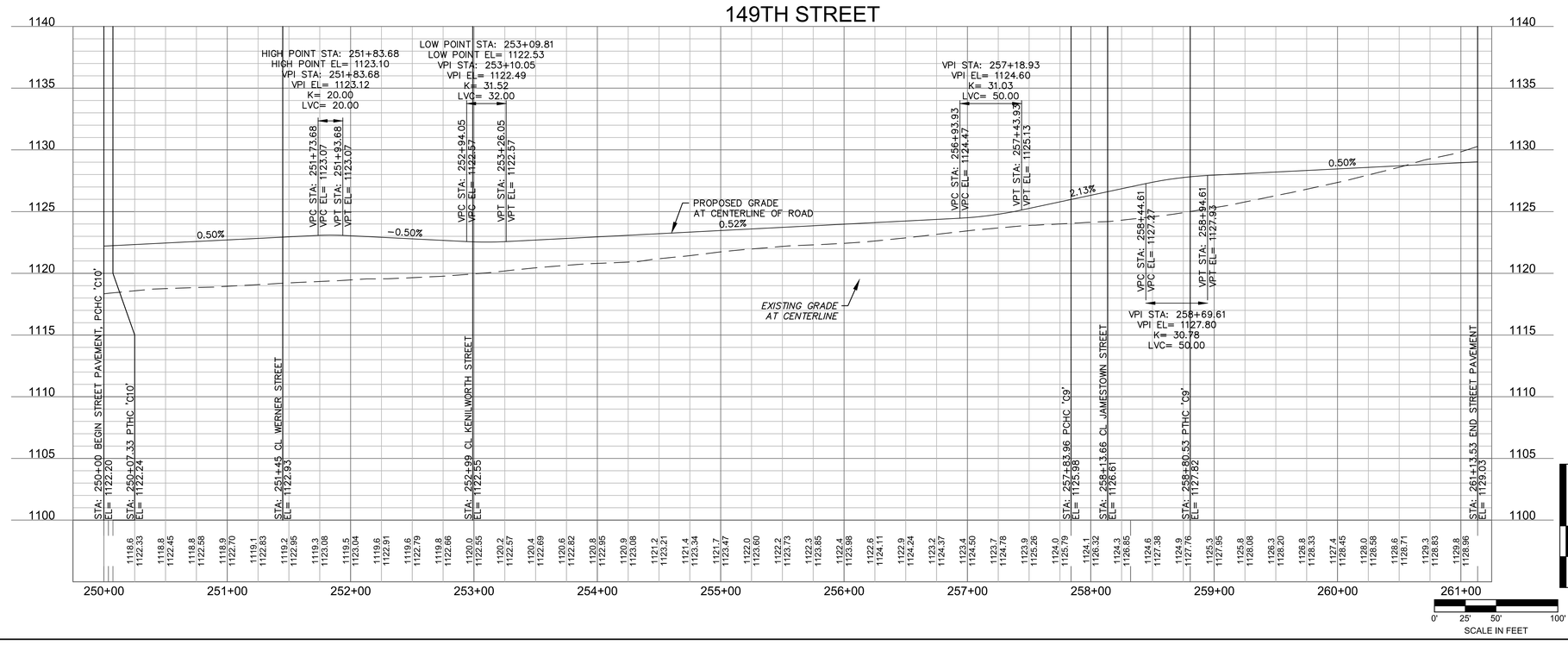
WAVERLY RIDGE
PUBLIC PAVING IMPROVEMENTS

CURVE TABLE					
CURVE ID	RADIUS (FT)	DELTA	LENGTH (FT)	CHORD BEARING	CHORD LENGTH (FT)
C9	200.00	027°39'57"	96.57	S14°04'11"E	95.64
C10	300.00	001°23'59"	7.33	S00°27'47"W	7.33





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TEL 402.474.6311 www.olsson.com

BRANDON D. BIBA — E-15425 — 7-31-2024 — STATE OF NEBRASKA — REGISTERED PROFESSIONAL CIVIL ENGINEER

REVISIONS

REV. NO.	DATE	REVISIONS DESCRIPTION
1	10.8.2024	Temporary Turn-Around
28		

PUBLIC PAVING IMPROVEMENTS
WAVERLY RIDGE
WAVERLY, NEBRASKA
2024

drawn by:	MCL
checked by:	ENG
approved by:	ENG
QA/QC by:	ENG
project no.:	022-01217
drawing no.:	
date:	

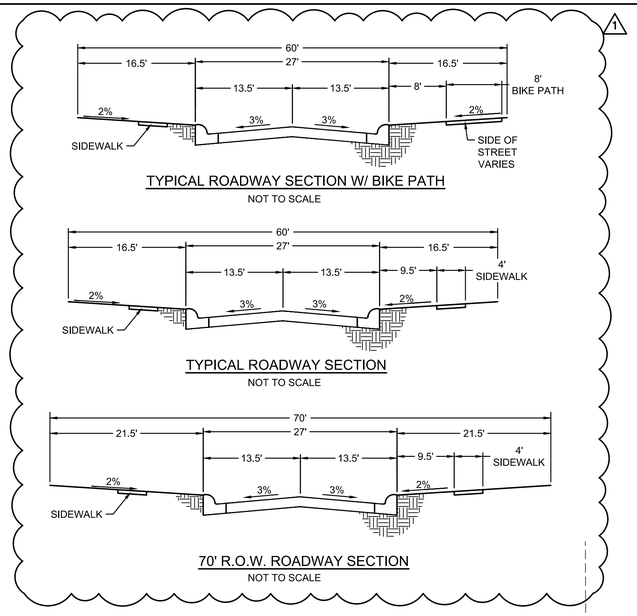
SHEET 28 of 39

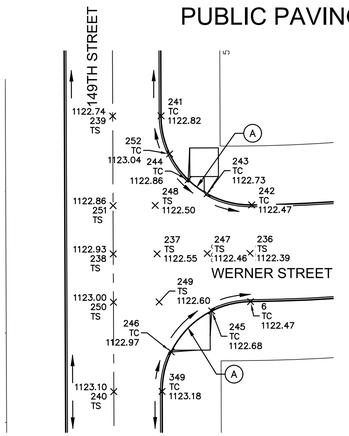
DWG: F:\2022\01001-01500\022-01217\40-Design\AutoCAD\Final Plans\Sheets\C_PAV01_02201217.dwg USER: mlangston
DATE: Oct 09, 2024 5:34pm XREFS: V_XTOPO_02201217 C_PBASE_02201217

WAVERLY RIDGE
PUBLIC PAVING IMPROVEMENTS

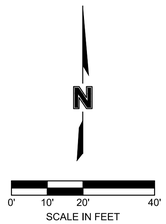
(A) DROP CURB FOR FUTURE ADA SIDEWALK RAMP
(B) DROP CURB AND BUILD ADA SIDEWALK RAMP

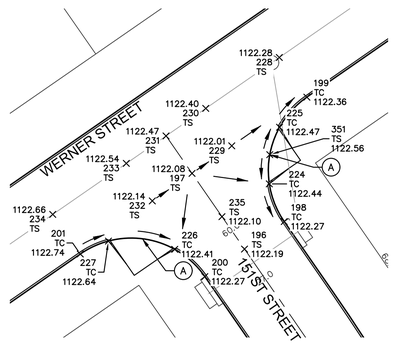
NOTE:
CONTRACTOR SHALL COORDINATE WITH CITY STAFF REGARDING CURB RAMP CURB DROPS TO VERIFY LOCATION PRIOR TO CONSTRUCTION OF THE STREET.



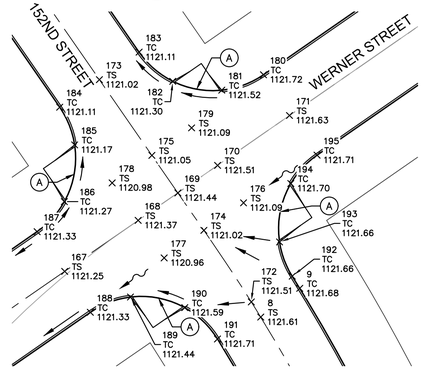


149TH STREET AND WERNER STREET





151ST STREET AND WENER STREET



152ND STREET AND WERNER STREET

148TH STREET AND KENILWORTH STREET

149TH STREET AND KENILWORTH STREET

150TH STREET AND 151ST STREET

153RD STREET AND WENER STREET

148TH STREET AND JAMESTOWN STREET

149TH STREET AND JAMESTOWN STREET

150TH STREET AND JAMESTOWN STREET

WERNER STREET AND MACDUFF STREET

NOTE: CONTRACTOR TO ENSURE ALL SIDEWALKS, SIDEWALK RAMPS, PROPOSED SIDEWALK RAMP CURB DROPS, AND PROPOSEDSIDEWALK STREET CROSSINGSARE TO BE BUILT TO MEET OR EXCEED ALL APPLICABLE ADA STANDARDS AND SPECIFICATIONS.

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601 P Street, Suite 200
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TEL 402.474.6311
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BRANDON D. BIBA
E-15425
7-31-2024
REGISTERED PROFESSIONAL ENGINEER
STATE OF NEBRASKA

REVISIONS

REV. NO.	DATE	REVISIONS DESCRIPTION
1	10.8.2024	Street Cross Section, Note Added, & Spot Elev.

PUBLIC PAVING IMPROVEMENTS
WAVERLY RIDGE
WAVERLY, NEBRASKA
2024

drawn by:	MCL
checked by:	ENG
approved by:	ENG
QA/QC by:	ENG
project no.:	022-01217
drawing no.:	
date:	

SHEET
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DWG: F:\2022\01001-01500\022-01217\40-Design\AutoCAD\Final Plans\Sheets\C_PAV01_02201217.dwg USER: mlangston
DATE: Oct 22, 2024 9:19am XREFS: V_XTOPO_02201217 C_PBASE_02201217

WAVERLY RIDGE
PUBLIC PAVING IMPROVEMENTS

POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	FULL DESCRIPTION
4	243437.7696	210286.7169	1123.479	TS
6	243579.0426	210470.3963	1122.475	TC
8	244045.6714	211332.8776	1121.610	TS
9	244053.7032	211343.7883	1121.680	TC
10	243545.9807	211041.5457	1121.188	TC
11	243534.8846	211049.2350	1121.104	TS
12	244753.2065	212133.5843	1118.775	TC
13	244742.1571	212126.3152	1118.636	TC
14	244749.5767	212115.0369	1118.552	TS
15	244760.6261	212122.3060	1118.691	TS
16	242911.5669	210733.9630	1124.790	TC
17	242937.5519	210488.1911	1126.084	TC
18	242910.1743	210396.8348	1126.587	TC
19	242923.1908	210279.7612	1127.410	TS
20	242923.2512	210294.3711	1127.700	TS
21	242909.6216	210294.4274	1127.780	TC
22	242936.8762	210294.3148	1127.780	TC
119	244768.0457	212111.0277	1118.780	TC
120	244745.9469	212096.4896	1118.648	TC
121	244738.0208	212088.0770	1118.590	TC
122	244738.9289	212061.6719	1118.451	TC
123	244730.5143	212118.6558	1118.489	TC
124	244720.1101	212114.7650	1118.589	TC
125	244696.0163	212125.6094	1118.835	TC
126	244673.2017	212111.1525	1118.838	TC
127	244677.2500	212100.3263	1118.724	TC
128	244666.1836	212076.3348	1118.449	TC
129	244681.6162	212054.1686	1118.443	TC
130	244708.0298	212054.8324	1118.565	TC
131	244716.1143	212047.2150	1118.453	TC
132	244692.0205	212058.0594	1118.561	TC
133	244674.1098	212084.7474	1118.564	TC
134	244704.1008	212117.9920	1118.736	TC
135	244734.8806	212072.4981	1118.509	TC
136	244687.2629	212090.2021	1118.340	TS
137	244698.5416	212097.6220	1118.628	TS
138	244709.8204	212105.0420	1118.370	TS
139	244717.3440	212093.8321	1118.173	TS
140	244724.8677	212082.6223	1118.097	TS
141	244713.5889	212075.2024	1118.492	TS
142	244702.3102	212067.7824	1118.109	TS
143	244706.0653	212086.4122	1118.560	TS
144	244694.7865	212078.9923	1118.153	TS
145	244684.8069	212118.0861	1118.751	TS
146	244674.1966	212065.4469	1118.359	TS
147	244727.5216	212054.4434	1118.367	TS
148	244738.2306	212107.5727	1118.408	TS
149	244756.9963	212103.7587	1118.714	TC
150	244259.1137	211591.3346	1120.456	TC
151	244250.4691	211583.5901	1120.515	TC
152	244234.8620	211580.8500	1120.595	TC
153	244224.3913	211584.9805	1120.654	TC
154	244208.8743	211562.8833	1120.656	TC
155	244216.5563	211554.4348	1120.713	TC
156	244219.3840	211538.2767	1120.789	TC
157	244215.2557	211528.0452	1120.840	TC
158	244216.7373	211573.8600	1120.570	TS
159	244245.4907	211570.3592	1120.141	TS
160	244237.8036	211559.2662	1120.171	TS
161	244230.1116	211548.1663	1120.238	TS
162	244267.4652	211579.6846	1120.396	TS
163	244255.9704	211563.0970	1120.496	TS
164	244248.2832	211552.0041	1120.564	TS
165	244240.5913	211540.9042	1120.631	TS
166	244226.3519	211520.3559	1120.756	TS

POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	FULL DESCRIPTION
167	244058.4540	211278.0704	1121.248	TS
168	244072.6935	211298.6188	1121.373	TS
169	244080.3829	211309.7149	1121.440	TS
170	244088.0722	211320.8110	1121.508	TS
171	244102.0178	211340.9353	1121.630	TS
172	244049.9217	211330.2455	1121.510	TS
173	244112.0274	211287.7860	1121.022	TS
174	244069.9032	211316.9771	1121.020	TS
175	244090.8625	211302.4528	1121.047	TS
176	244077.5925	211328.0732	1121.090	TS
177	244062.2138	211305.8809	1120.960	TS
178	244083.1732	211291.3566	1120.980	TS
179	244098.5519	211313.5489	1121.093	TS
180	244113.4079	211333.6701	1121.717	TC
181	244109.0889	211322.0029	1121.521	TC
182	244111.5758	211308.2897	1121.302	TC
183	244119.7167	211298.8822	1121.106	TC
184	244104.3380	211276.6899	1121.106	TC
185	244093.8021	211280.8657	1121.172	TC
186	244077.9487	211277.9906	1121.266	TC
187	244069.5501	211270.3811	1121.332	TC
188	244047.0089	211285.2562	1121.329	TC
189	244051.2765	211296.4677	1121.442	TC
190	244048.3111	211311.6429	1121.590	TC
191	244039.5580	211320.7902	1121.714	TC
192	244057.0930	211341.6832	1121.660	TC
193	244066.6676	211338.1404	1121.660	TC
194	244083.0171	211341.2972	1121.703	TC
195	244090.9217	211348.6247	1121.714	TC
196	243806.3102	210981.8070	1122.190	TS
197	243827.4750	210967.1403	1122.075	TS
198	243813.9995	210992.9031	1122.274	TC
199	243848.7874	210999.2120	1122.360	TC
200	243798.6208	210970.7109	1122.274	TC
201	243804.9297	210935.9230	1122.745	TC
202	242900.6119	210273.9835	1127.806	TC
203	242895.6786	210269.5180	1127.805	TC
204	242945.7210	210273.7435	1127.210	TC
205	242950.6173	210269.2375	1127.077	TC
206	243587.6360	211069.2289	1121.710	TC
207	243567.9105	211068.1522	1121.461	TC
208	243559.4179	211061.5801	1121.330	TC
209	243557.5840	211059.1308	1121.290	TC
210	243511.0228	211094.9216	1122.053	TC
211	243525.6841	211082.1760	1121.682	TC
212	243528.2273	211071.9626	1121.485	TC
213	243523.7884	211056.9244	1121.188	TC
214	243546.8816	211066.5473	1121.210	TS
215	243536.5173	211075.2927	1120.855	TS
216	243543.3320	211085.1268	1121.309	TS
217	243556.6921	211080.7044	1121.366	TS
218	243569.9893	211076.1914	1121.225	TS
219	243515.2254	211107.7508	1121.969	TS
220	243550.9088	211096.0606	1121.780	TS
221	243564.2542	211091.6170	1121.705	TS
222	243577.5346	211087.0796	1121.637	TS
223	243592.1601	211081.9482	1121.630	TS
224	243824.5354	210988.7274	1122.437	TC
225	243840.3888	210991.6024	1122.474	TC
226	243806.2358	210962.3026	1122.408	TC
227	243808.5556	210943.7904	1122.640	TC
228	243859.8835	210991.5226	1122.276	TS
229	243835.1643	210978.2364	1122.008	TS
230	243845.6440	210970.9743	1122.401	TS
231	243837.9547	210959.8781	1122.468	TS

POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	FULL DESCRIPTION
232	243819.7856	210956.0442	1122.143	TS
233	243830.2653	210948.7820	1122.536	TS
234	243816.0258	210928.2336	1122.661	TS
235	243815.3856	210975.5150	1122.097	TS
236	243592.5417	210470.2394	1122.391	TS
237	243592.4081	210444.2965	1122.550	TS
238	243592.3712	210432.0282	1122.928	TS
239	243630.8872	210431.8691	1122.735	TS
240	243553.8852	210432.1871	1123.096	TS
241	243630.9429	210445.3689	1122.819	TC
242	243606.0483	210470.6943	1122.472	TC
243	243609.1862	210458.2386	1122.729	TC
244	243613.0868	210452.9774	1122.861	TC
245	243576.4297	210459.5561	1122.678	TC
246	243564.9760	210448.2035	1122.974	TC
247	243592.4797	210458.2975	1122.458	TS
248	243605.9193	210443.7581	1122.497	TS
249	243578.9236	210444.8338	1122.602	TS
250	243578.8706	210432.0883	1122.995	TS
251	243605.8704	210431.9763	1122.860	TS
252	243620.3044	210447.7941	1123.039	TC
253	244700.2960	212057.7900	1118.649	TC
254	243476.8164	210419.0054	1122.821	TC
256	243457.5295	210410.0364	1122.850	TC
257	243454.3239	210405.1286	1122.850	TC
258	243451.7134	210394.1089	1122.863	TC
259	243466.1715	210416.6744	1122.830	TC
260	243399.8171	210419.3235	1122.715	TC
261	243413.8533	210414.9410	1122.400	TC
262	243419.0293	210410.1955	1122.532	TC
263	243422.1942	210405.2613	1122.642	TC
264	243424.7136	210394.2204	1122.863	TC
265	243476.8722	210432.5053	1122.737	TS
266	243451.8724	210432.6085	1122.612	TS
267	243438.3725	210432.6602	1122.548	TS
268	243424.8726	210432.7201	1122.531	TS
269	243399.8728	210432.8233	1122.631	TS
270	243424.8200	210419.9702	1122.138	TS
271	243438.3199	210419.9144	1122.152	TS
273	243451.8197	210419.8587	1122.219	TS
274	243438.2135	210394.1646	1122.779	TS
275	242962.2751	210421.1309	1125.875	TC
276	242949.7614	210417.8332	1126.118	TC
277	242940.5730	210408.7204	1126.355	TC
278	242937.1721	210396.2344	1126.593	TC
279	242892.4497	210430.3050	1127.292	TC
280	242896.8051	210428.5255	1127.119	TC
281	242909.2676	210413.1871	1126.713	TC
282	242910.2133	210406.2719	1126.477	TC
283	242874.9190	210465.8781	1127.800	TC
284	242910.5526	210488.4005	1126.084	TC
285	242901.9751	210469.6542	1126.855	TC
286	242896.8167	210466.1851	1126.980	TC
287	242937.4901	210473.2337	1126.160	TC
288	242940.7878	210460.7200	1126.291	TC
289	242949.9006	210451.5316	1126.083	TC
290	242962.3867	210448.1306	1125.875	TC
291	242888.8445	210445.6619	1127.372	TS
292	242896.3573	210443.2272	1127.208	TS
293	242893.2592	210458.4196	1126.937	TS
294	242911.0431	210425.5829	1126.421	TS
295	242911.1001	210439.3755	1126.884	TS
296	242911.1572	210453.2120	1126.524	TS
297	242923.8967	210450.6520	1126.253	TS
298	242923.8403	210436.9908	1126.609	TS

POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	FULL DESCRIPTION
299	242923.7840	210423.3503	1126.189	TS
300	242923.7132	210406.2162	1126.393	TS
301	242924.0520	210488.2468	1126.000	TS
302	242923.9799	210470.7895	1126.095	TS
303	242936.6400	210448.9988	1125.961	TS
304	242936.5840	210435.4473	1126.337	TS
305	242936.5281	210421.9024	1125.922	TS
306	242962.3309	210434.6308	1125.791	TS
307	242923.6742	210396.7790	1126.503	TS
308	242938.7046	210767.2312	1124.998	TS
309	242941.7503	210755.1689	1124.771	TS
310	242951.5644	210745.2734	1124.481	TS
311	242963.6011	210742.1281	1124.340	TS
312	242963.4896	210715.1284	1124.340	TS
313	242951.4273	210712.0827	1124.570	TS
314	242941.5318	210702.2686	1124.823	TS
315	242938.3865	210690.2319	1125.050	TS
316	242963.5454	210728.6283	1124.260	TC
317	242937.8513	210742.2345	1124.390	TC
318	242937.7956	210728.7346	1124.380	TC
319	242937.7398	210715.2347	1124.430	TC
320	242924.8866	210690.2876	1124.975	TC
321	242925.0457	210728.7873	1124.800	TC
322	242925.2047	210767.2870	1124.920	TC
323	242925.1014	210742.2872	1124.810	TS
324	242924.9899	210715.2874	1124.848	TS
325	242936.7633	210297.2722	1127.752	TC
326	242909.7637	210297.4373	1127.760	TC
327	242874.6001	210262.5823	1127.840	TC
328	242971.5991	210262.1280	1126.480	TC
329	242971.5907	210260.1244	1125.942	TS/ME
330	242874.5900	210260.5738	1127.300	TS/ME
331	242936.6102	210260.4564	1126.436	TS/ME
332	242923.0903	210260.3489	1126.620	TS/ME
333	242909.6108	210260.4114	1126.811	TS/ME
334	242923.2635	210297.3607	1127.670	TS
335	243437.7467	210281.1620	1123.417	TS
336	243398.6320	210254.3179	1122.980	TS
337	243424.1357	210253.7250	1122.892	TS
338	243437.6321	210253.4111	1122.844	TS
339	243451.1284	210253.0971	1122.796	TS
340	243475.6297	210252.5288	1122.710	TS
341	243424.2468	210281.2178	1123.502	TC
342	243415.1188	210262.0056	1123.619	TC
343	243410.1846	210258.8406	1123.586	TC
344	243398.6775	210256.3275	1123.520	TC
345	243451.2406	210279.6698	1123.493	TC
346	243460.2096	210260.3829	1123.324	TC
347	243465.1175	210257.1773	1123.383	TC
348	243475.6709	210254.5730	1123.251	TC
349	243553.9410	210445.6870	1123.180	TC
350	243425.2938	210417.4577	1122.016	TS
351	243832.7001	210988.8527	1122.556	TS

LEGEND
TC – TOP OF 6" CURB
TS – TOP OF CONCRETE SLAB
ME – MEET EXISTING GRADE

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BRANDON D. BIBA E-15425 7-31-2024 REGISTERED PROFESSIONAL ENGINEER STATE OF NEBRASKA

REVISIONS

REV. NO.	DATE	REVISIONS DESCRIPTION

PUBLIC PAVING IMPROVEMENTS
WAVERLY RIDGE
WAVERLY, NEBRASKA
2024

drawn by: MCL
checked by: ENG
approved by: ENG
QA/QC by: ENG
project no.: 022-01217
drawing no.:
date:

SHEET
30 of 38

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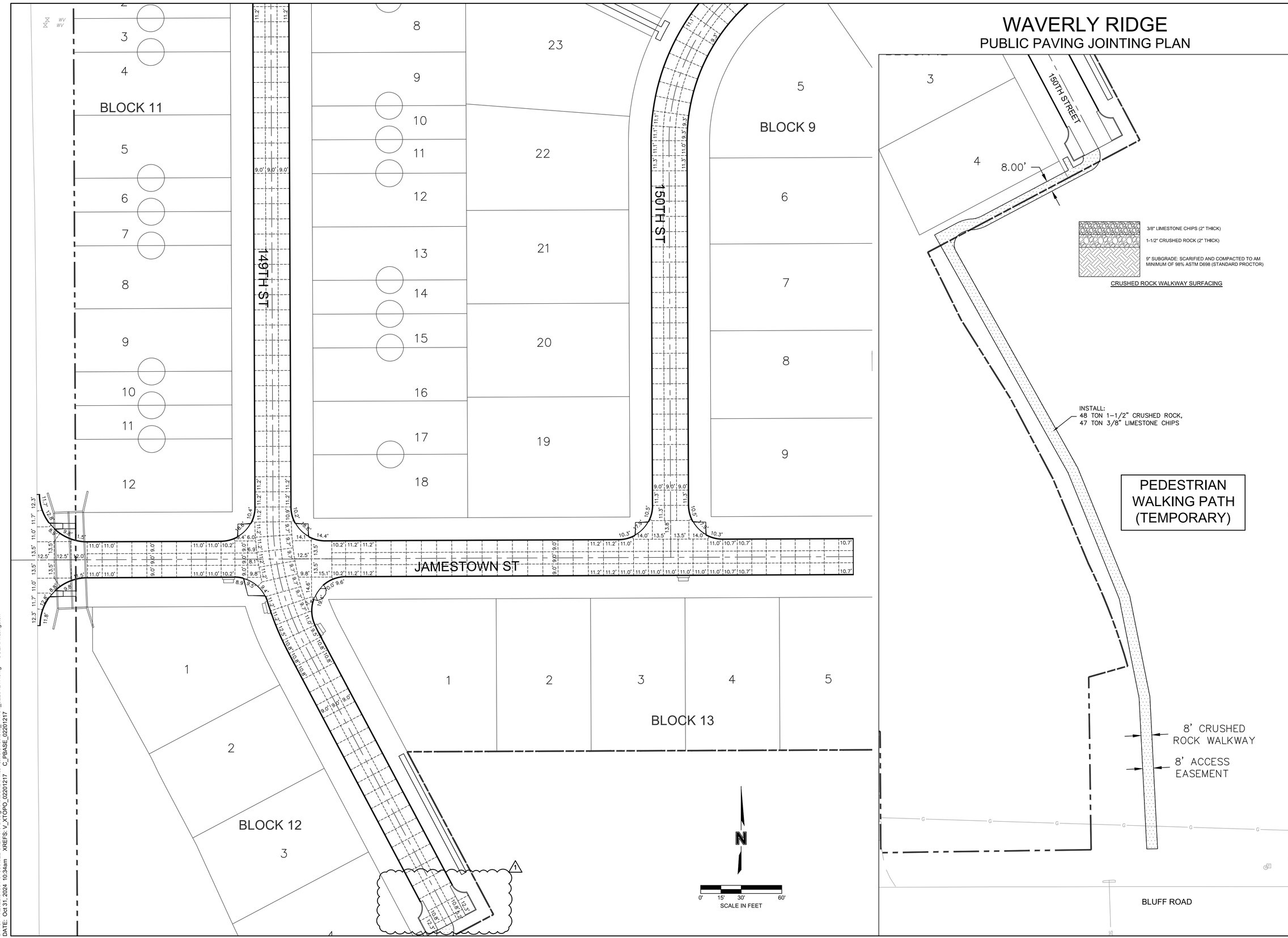
WAVERLY RIDGE
PUBLIC PAVING JOINTING PLAN



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PROFESSIONAL ENGINEER BRANDON D. BIBA E-15425 STATE OF NEBRASKA
10-31-2024

REVISIONS

REV. NO.	DATE	REVISIONS DESCRIPTION
1	10.8.2024	Temporary Turn-Around

PUBLIC PAVING JOINTING PLAN

WAVERLY RIDGE

WAVERLY, NEBRASKA 2024

drawn by: MCL
checked by: ENG
approved by: ENG
QA/QC by: ENG
project no.: 022-01217
drawing no.:
date:

SHEET
31 of 38

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DATE: Oct 31, 2024 10:34am XREFS: V_XTOPO_02201217 C_PBASE_02201217

WAVERLY RIDGE
PUBLIC PAVING JOINTING PLAN

N

0' 15' 30' 60'
SCALE IN FEET

WERNER ST

KENILWORTH ST

151ST ST

OUTLOT G

BLOCK 1

BLOCK 2

BLOCK 10

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BRANDON D. BIBA
E-15425
7-31-2025
NEBRASKA
PROFESSIONAL ENGINEER

REVISIONS

REV. NO.	DATE	REVISIONS DESCRIPTION
1	10.8.2024	Temporary Turn-Around

PUBLIC PAVING JOINTING PLAN

WAVERLY RIDGE

WAVERLY, NEBRASKA

2024

drawn by:	MCL
checked by:	ENG
approved by:	ENG
QA/QC by:	ENG
project no.:	022-01217
drawing no.:	
date:	

SHEET
32 of 38

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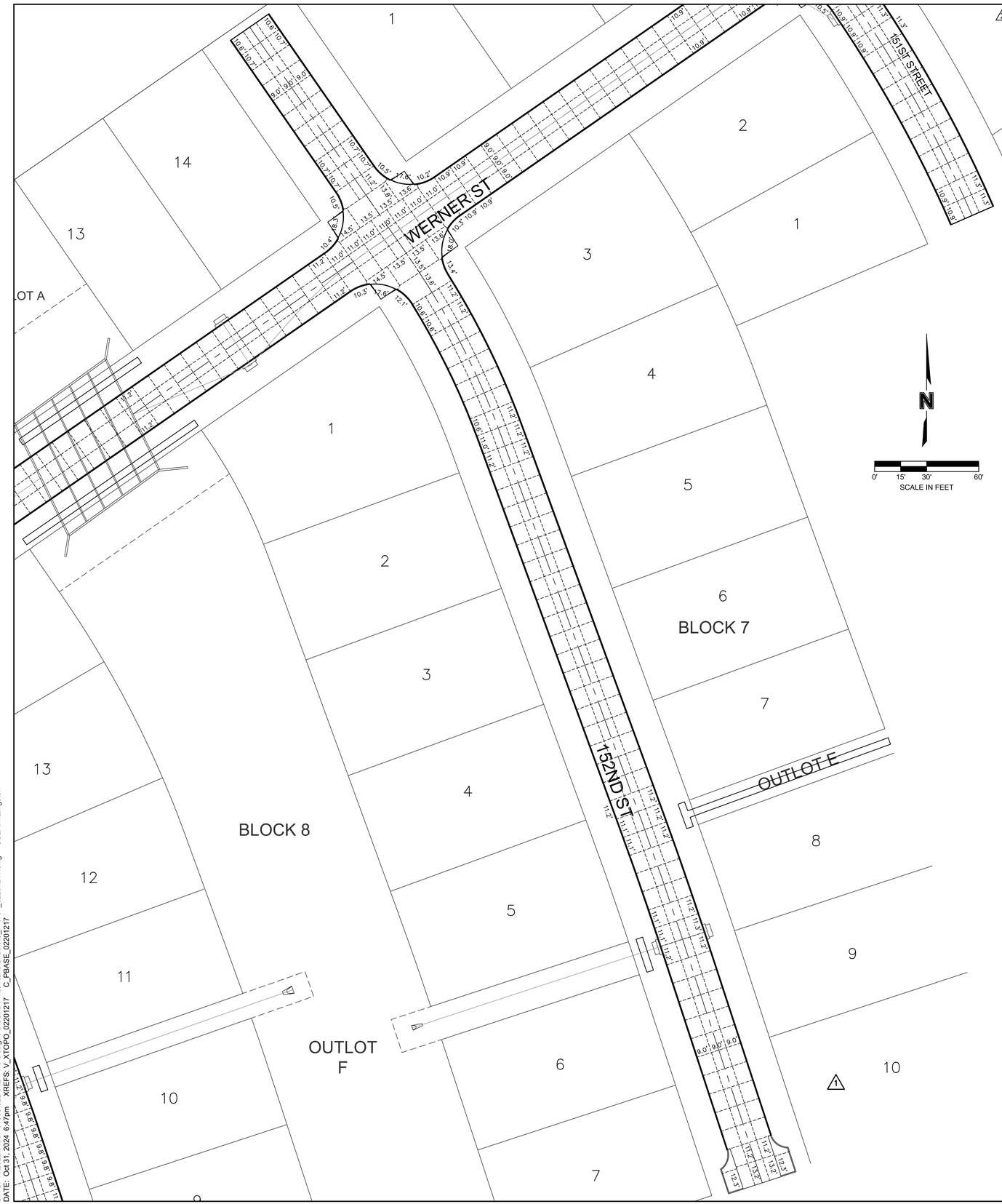
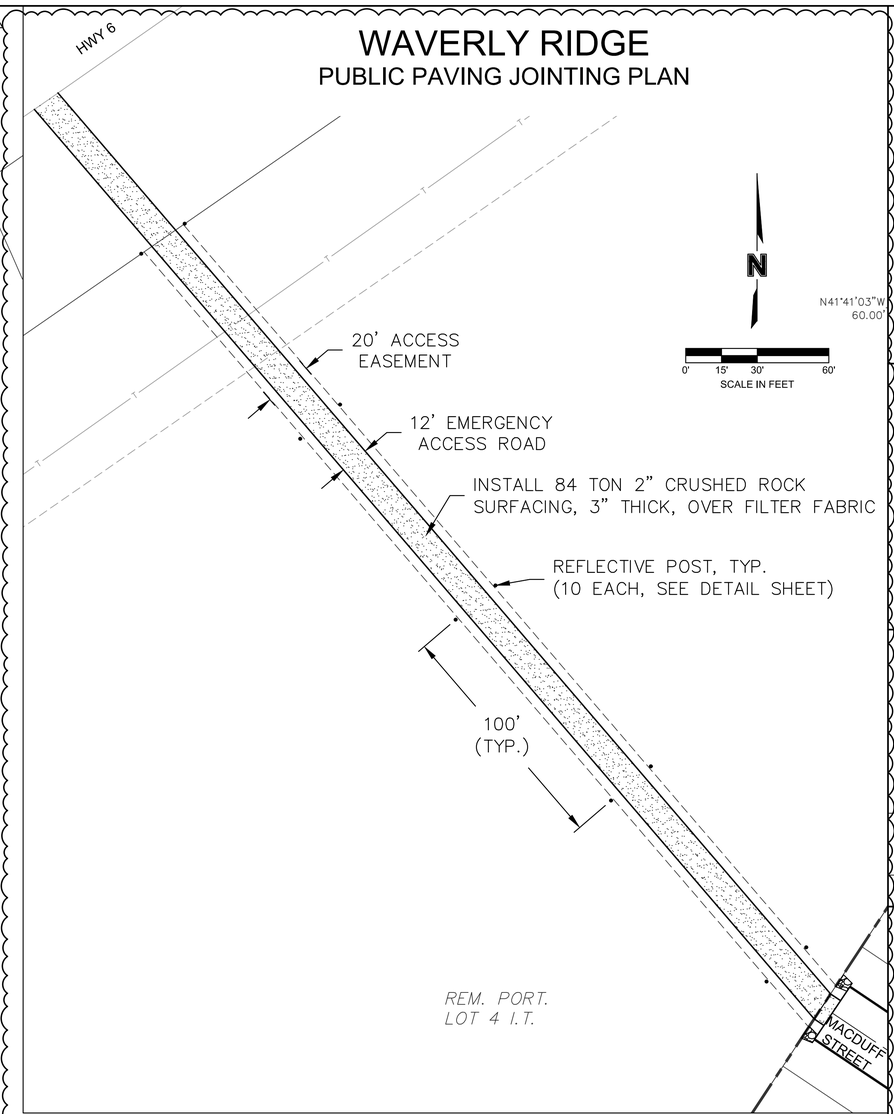
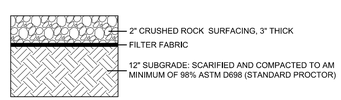
WAVERLY RIDGE
PUBLIC PAVING JOINTING PLAN





EMERGENCY ACCESS



CRUSHED ROCK EMERGENCY ACCESS SURFACING

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NEBRASKA CIVIL ENGINEER BRANDON D. BIBA E-15425 7-31-2024 STATE OF NEBRASKA

REV. NO.	DATE	REVISIONS DESCRIPTION
1	10.8.2024	Temporary Turn-Around
2	10.31.2024	Emergency Access

REVISIONS

PUBLIC PAVING JOINTING PLAN

WAVERLY RIDGE

WAVERLY, NEBRASKA

2024

drawn by: MCL
checked by: ENG
approved by: ENG
QA/QC by: ENG
project no.: 022-01217
drawing no.:
date:

SHEET 33 of 38

DWG: F:\2022\01001-01500\022-012174O-Design\AutoCAD\Final Plans\Sheets\C_PAV01_02201217.dwg USER: mlangston
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WAVERLY RIDGE
PUBLIC PAVING JOINTING PLAN

N

0' 15' 30' 60'

SCALE IN FEET

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PROFESSIONAL ENGINEER BRANDON D. BIBA E-15425 STATE OF NEBRASKA
7-31-2024

REV. NO.	DATE	REVISIONS DESCRIPTION

REVISIONS

PUBLIC PAVING JOINTING PLAN

WAVERLY RIDGE

WAVERLY, NEBRASKA

2024

drawn by:	MCL
checked by:	ENG
approved by:	ENG
QA/QC by:	ENG
project no.:	022-01217
drawing no.:	
date:	

SHEET
34 of 39

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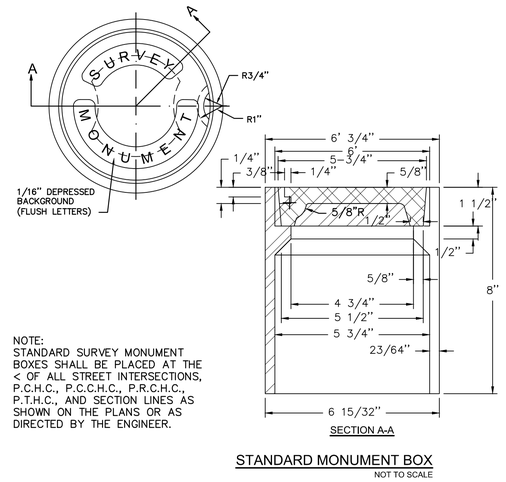
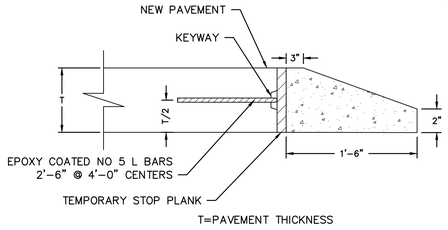
WAVERLY RIDGE
DETAIL SHEET



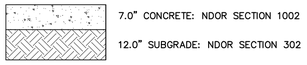
NOTE:
STANDARD SURVEY MONUMENT BOXES SHALL BE PLACED AT THE < OF ALL STREET INTERSECTIONS, P.C.H.C., P.C.C.H.C., P.R.C.H.C., P.T.H.C., AND SECTION LINES AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

SECTION A-A

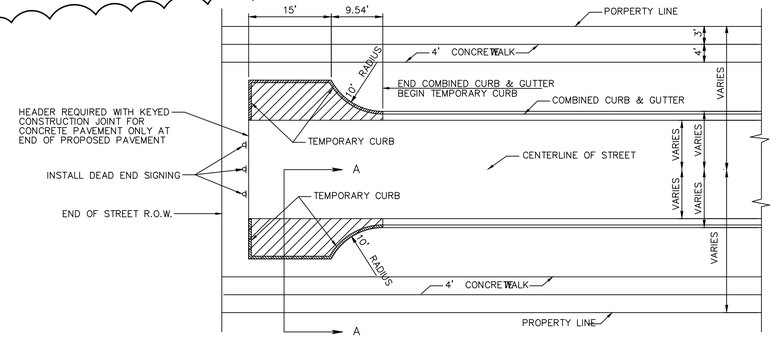
STANDARD MONUMENT BOX
NOT TO SCALE



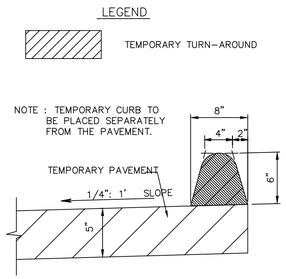
HEADER DETAIL
NOT TO SCALE



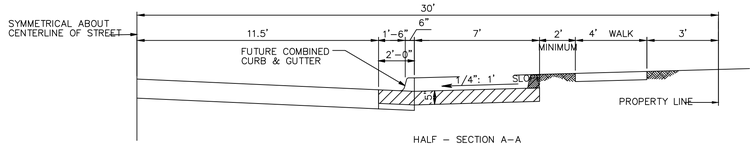
CONCRETE PAVEMENT



TEMPORARY PAVEMENT TURN AROUND



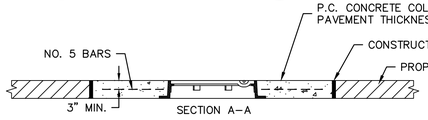
TEMPORARY CURB



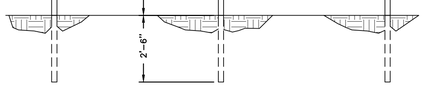
HALF - SECTION A-A
TEMPORARY PAVEMENT TURN AROUND

NOTE:
TEMPORARY PAVEMENT SHALL BE FULL-DEPTH ASPHALT OR 6" L3500 CONCRETE. TEMPORARY CURB SHALL BE ASPHALT OR L3500 CONCRETE.

NOTE:
CURB RAMPS SHALL BE CONSTRUCTED PER NDOT STANDARD PLANS, PLAN NO. 3030 R4 (STD. PLAN NO, 303-R4) CURB RAMPS.

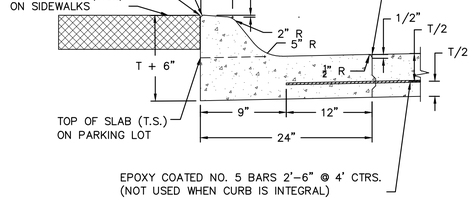


SECTION A-A

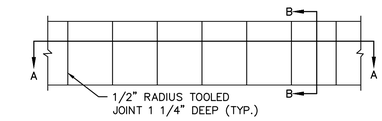


NOTES:
1. SIGNS SHALL BE 18" RED DIAMOND PANEL WITH HIGH INTENSITY SHEETING.
2. SIGNS TO BE PLACED 18" FROM EDGE OF PAVEMENT TO POST.

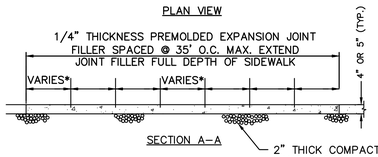
DEAD END SIGNING
NOT TO SCALE



STANDARD 24" CURB & GUTTER
NOT TO SCALE



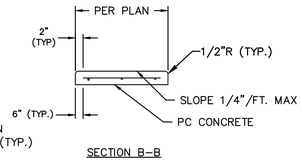
PLAN VIEW



SECTION A-A

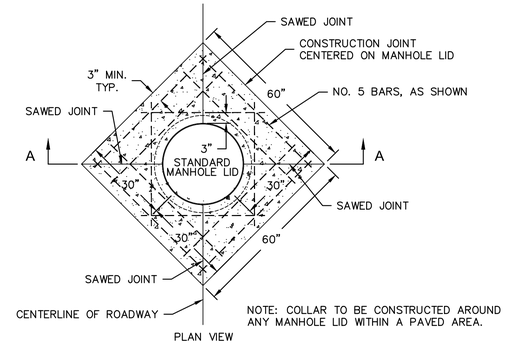
*CONTRACTION JOINT SPACING TO MATCH SIDEWALK WIDTH (TYP) UNLESS OTHERWISE NOTED ON THE PLANS

NOTE:
1. PROVIDE 1/2" EXPANSION JOINT BETWEEN SIDEWALK AND ALL FIXED OBJECTS
2. REINFORCEMENT WILL BE No. 3 BARS 24" O.C. EACH WAY MAX. SPACING, OR 6 x 6 - W1.4 X W1.4 WWF
3. ALL JOINTS TO BE SEALED
4. NON-SLIP BROOM FINISH FREE OF TROWEL MARKS EXCEPT FOR EDGING TOOL.



SECTION B-B

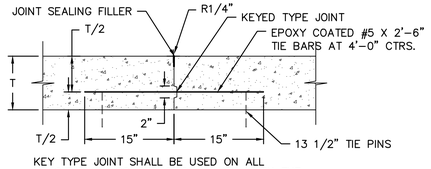
CONCRETE SIDEWALK
NOT TO SCALE



PLAN VIEW

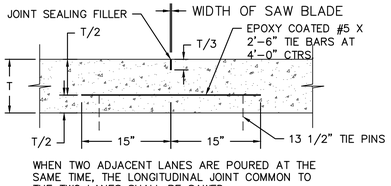
NOTE: COLLAR TO BE CONSTRUCTED AROUND ANY MANHOLE LID WITHIN A PAVED AREA.

CONCRETE MANHOLE COLLAR
NOT TO SCALE



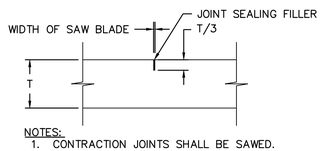
KEY TYPE JOINT SHALL BE USED ON ALL LONGITUDINAL CONSTRUCTION JOINTS WHEN THE ADJACENT LANE IS NOT POURED AT THE SAME TIME.

KEY TYPE



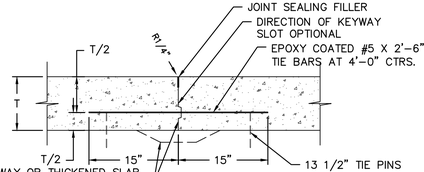
WHEN TWO ADJACENT LANES ARE POURED AT THE SAME TIME, THE LONGITUDINAL JOINT COMMON TO THE TWO LANES SHALL BE SAWED.

SAWED

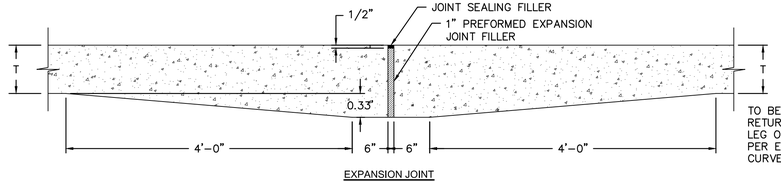


NOTES:
1. CONTRACTION JOINTS SHALL BE SAWED.
2. CONTRACTION JOINTS SHALL BE PLACED AT NO MORE THAN 15' INTERVALS.

CONTRACTION JOINT

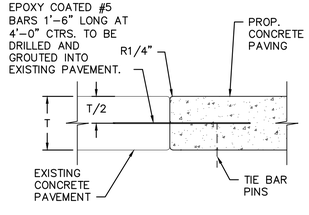


TRANSVERSE CONSTRUCTION JOINT

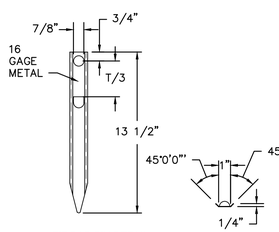


TO BE USED AT THE END OF RETURN ON THE NON-THROUGH LEG OF A T-INTERSECTION AND AS PER ENGINEER AT THE END OF CURVES.

EXPANSION JOINT



PROPOSED TO EXISTING PAVEMENT



TIE BAR PIN DETAIL

TOP VIEW

NOTES
1. THE CONTRACTOR MAY SUBSTITUTE OTHER DESIGNS FOR EXPANSION AND CONTRACTION JOINT SUPPORTS IN LIEU OF THE TYPE SHOWN WITH PRIOR WRITTEN APPROVAL BY THE ENGINEER AND CITY OF WAVERLY.
2. DOWEL BARS SHALL BE EPOXY COATED AND A MINIMUM OF 18" IN LENGTH.
3. TIE BARS SHALL BE DEFORMED BARS AND ALL OTHERS SHALL BE SMOOTH.
4. FOR LOAD TRANSFER DEVICES IN LANES OTHER THAN THE 13' LANES SHOWN, MAINTAIN THE SPACING OF THE 18" DOWEL BARS AT 1' INTERVALS.
5. THE ENDS OF THE DOWEL BASKET WIRE SHALL NOT BE LESS THAN 3" FROM THE EDGES OF THE PAVEMENT OR THE LONGITUDINAL JOINT.
6. KEY TYPE LONGITUDINAL JOINTS AND TRANSVERSE CONSTRUCTION JOINTS SHALL BE EDGED WITH 1/4" RADIUS AT TIME OF CONCRETE PLACEMENT.
7. EXPANSION JOINTS SHALL NOT BE SKEWED.
8. T = PAVEMENT THICKNESS

CONCRETE PAVING JOINT DETAILS
NOT TO SCALE

olsson
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PROFESSIONAL ENGINEER
CIVIL
BRANDON D. BIBA
E-15425
7-31-2024
STATE OF NEBRASKA

REV. NO.	DATE	REVISIONS DESCRIPTION
1	10.8.2024	Details

REVISIONS

DETAIL SHEET

WAVERLY RIDGE

2024

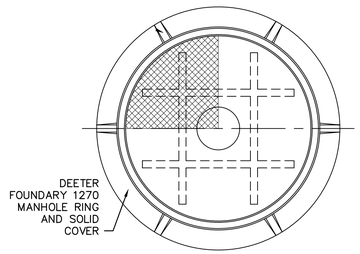
WAVERLY, NEBRASKA

drawn by: MCL
checked by: ENG
approved by: ENG
QA/QC by: ENG
project no.: 022-01217
drawing no.:
date:

SHEET
35 of 39

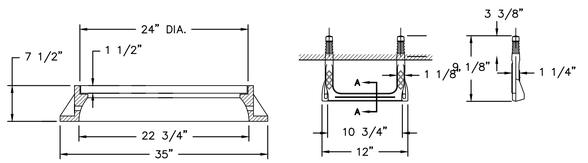
DWG: F:\2022\01001-01500\022-01217\40-Design\AutoCAD\Final Plans\Sheets\C_DTL02_02201217.dwg USER: mlangston
DATE: Oct 10, 2024 2:20pm XREFS:

WAVERLY RIDGE
DETAIL SHEET

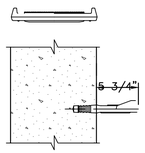


STANDARD HEAVY TRAFFIC TYPE MANHOLE COVER AND FRAME

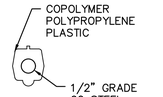
NOTES:
1. CASTINGS SHALL CONFORM TO THE REQUIREMENTS OF 'SPECIFICATIONS FOR GRAY IRON CASTINGS' IN ACCORDANCE WITH ASTM DESIGNATION A-48-83, CLASS 35B.
2. CASTINGS ARE TO BE MANUFACTURED TRUE TO PATTERN AND WITH SATISFACTORY FIT OF COMPONENT PARTS. CASTINGS SHALL BE FREE OF DEFECTS. DIMENSIONS AS DETAILED ON PLAN SHALL NOT DEVIATE BY 1/16" PER FOOT.
3. CASTINGS SHALL BE FURNISHED WITH MACHINED HORIZONTAL BEARING SURFACES.
4. CASTING SHALL BE RATED 'HEAVY DUTY' SUITABLE FOR H-20 TRAFFIC LOADING.



TYPICAL SECTION



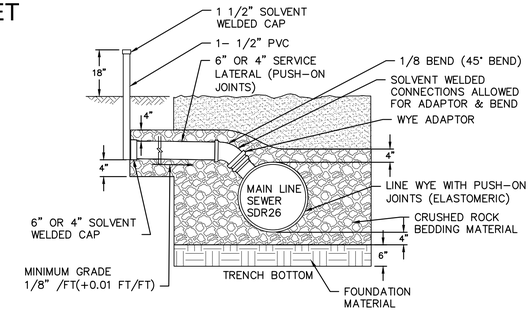
REINFORCED PLASTIC STEPS

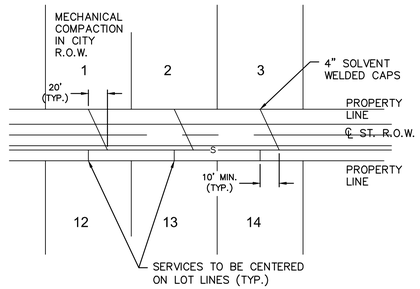


SECTION A-A

NOTES:
1. STEP SHALL MEET THE REQUIREMENTS OF ASTM C-478 AASHTO M-199 OSHA INSTRUCTION STD 1-1.9.
2. POLYPROPYLENE PLASTIC SHALL CONFORM TO ASTM D-4101.

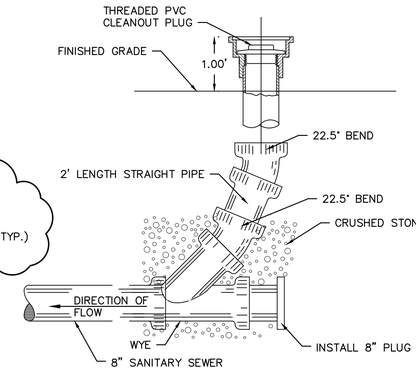
CAST IRON MANHOLE RING, COVER, & STEPS
NOT TO SCALE



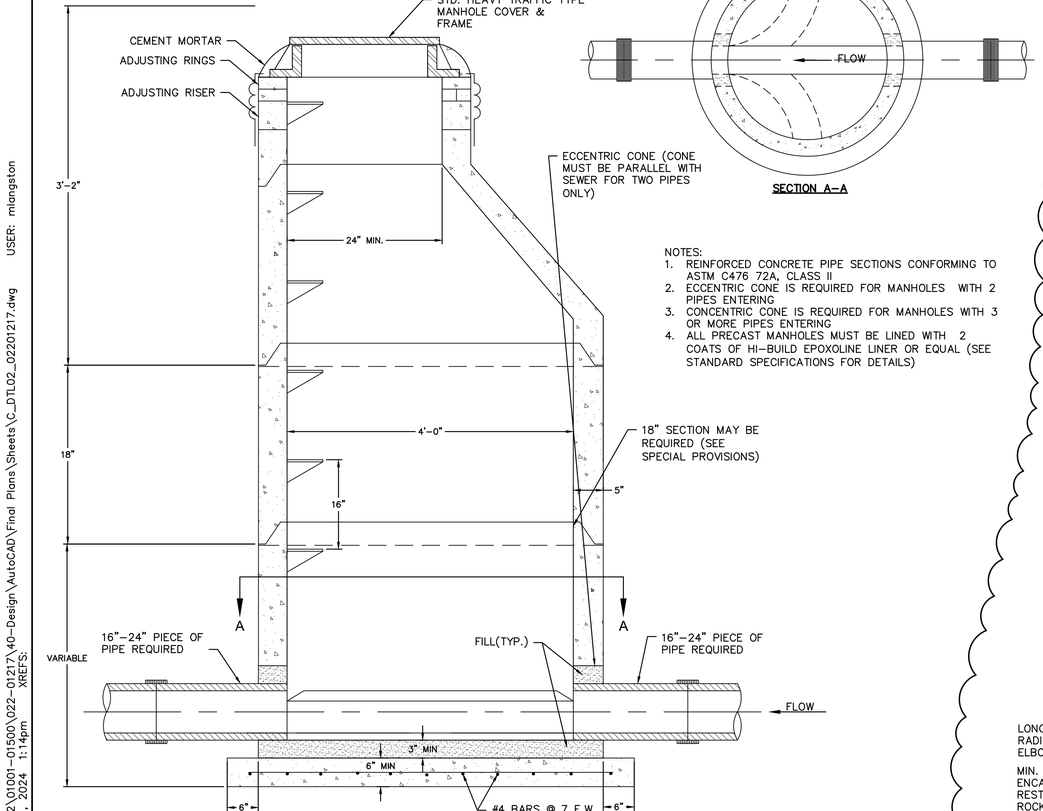


NOTE: ALL SANITARY SEWER SERVICES SHALL BE AS SHOWN ON THE SANITARY SEWER SERVICE DETAIL UNLESS OTHERWISE SHOWN ON THE PLAN.

SANITARY SEWER SERVICE DETAIL
NOT TO SCALE

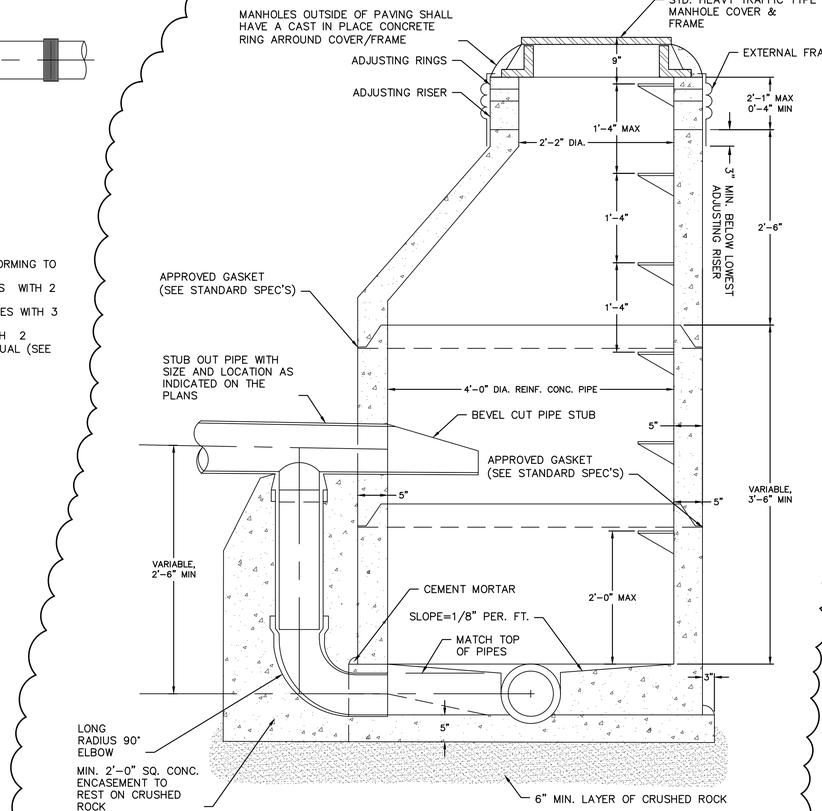


SANITARY SEWER CLEAN-OUT
NOT TO SCALE

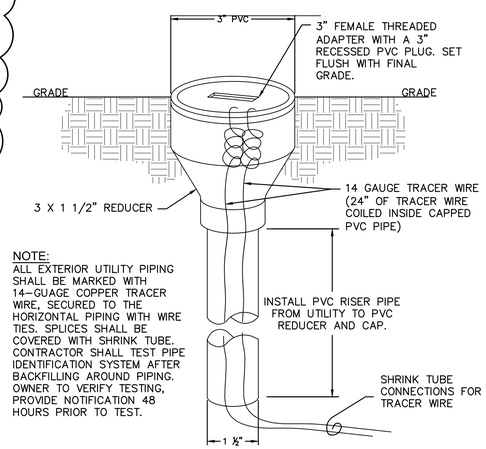


NOTES:
1. REINFORCED CONCRETE PIPE SECTIONS CONFORMING TO ASTM C476 72A, CLASS II
2. ECCENTRIC CONE IS REQUIRED FOR MANHOLES WITH 2 PIPES ENTERING
3. CONCENTRIC CONE IS REQUIRED FOR MANHOLES WITH 3 OR MORE PIPES ENTERING
4. ALL PRECAST MANHOLES MUST BE LINED WITH 2 COATS OF HI-BUILD EPOXOLINE LINER OR EQUAL (SEE STANDARD SPECIFICATIONS FOR DETAILS)

TYPICAL SECTION - 48" MANHOLE
NOT TO SCALE



48" DROP MANHOLE
NOT TO SCALE



NOTE:
ALL EXTERIOR UTILITY PIPING SHALL BE MARKED WITH 14-GUAGE COPPER TRACER WIRE, SECURED TO THE HORIZONTAL PIPING WITH WIRE TIES. SPLICES SHALL BE COVERED WITH SHRINK TUBE. CONTRACTOR SHALL TEST PIPE IDENTIFICATION SYSTEM AFTER BACKFILLING AROUND PIPING. OWNER TO VERIFY TESTING, PROVIDE NOTIFICATION 48 HOURS PRIOR TO TEST.

TRACER WIRE TERMINATION DETAIL
NOT TO SCALE

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601 P Street, Suite 200
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Lincoln, NE 68508
TEL 402.474.6311
www.olsson.com

PROFESSIONAL ENGINEER
BRANDON D. BIBA
E-15425
12-31-2024
STATE OF NEBRASKA

REV. NO.	DATE	REVISIONS DESCRIPTION
1	10.8.2024	Bedding Material & Pipe Type
2	10.31.2024	Drop Manhole

REVISIONS

DETAIL SHEET

WAVERLY RIDGE

2024

WAVERLY, NEBRASKA

drawn by: MCL
checked by: ENG
approved by: ENG
QA/QC by: ENG
project no.: 022-01217
drawing no.:
date:

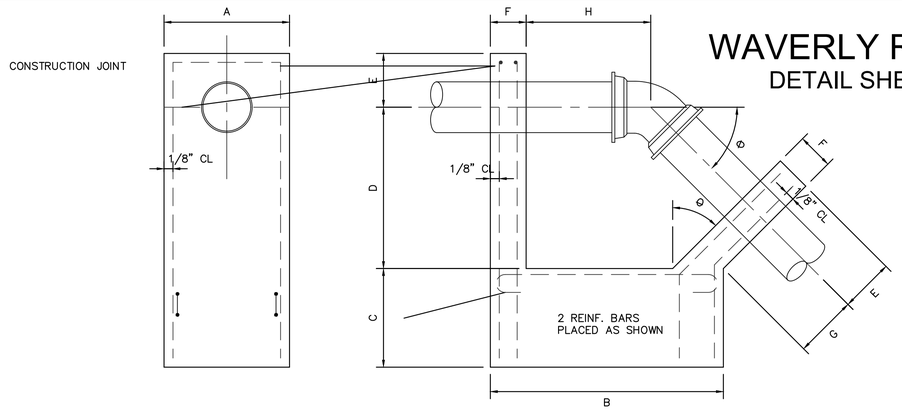
SHEET
36 of 39

DWG: F:\2022\01001-01500\022-01217\40-Design\AutoCAD\Final Plans\Sheets\C_DTL02_02201217.dwg USER: mlangston
DATE: Oct 31, 2024 1:14pm XREFS:

WAVERLY RIDGE
DETAIL SHEET

NOTES:

1. THRUST BLOCKS TO BE POURED AGAINST UNDISTURBED EARTH.
2. ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM SERIAL DESIGNATION A-305-507 AND SHALL SATISFY THE BEND TEST REQUIREMENTS FOR STRUCTURAL GRADE STEEL IN ACCORDANCE WITH THE REQUIREMENTS.
3. ALL CONCRETE SHALL BE L-3500.
4. MINIMUM DEPTH OF EMBEDMENT FOR REINFORCING STELL TO BE AS NOTED.
5. ALL REINFORCING STEEL SHALL BE EPOXY COATED.

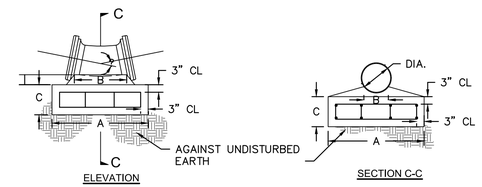


END ELEVATION — SIDE ELEVATION

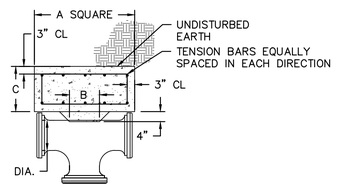
REINFORCED CONCRETE ANCHORAGE
NO SCALE

DIA.	Θ = 45° A	B	C	D	E	F	G	H	CONC. CU. YDS.	REINF. BAR SIZE	STEEL LBS.	Θ = 22 1/2° A	B	C	D	E	F	G	H	CONC. CU. YDS.	REINF. BAR SIZE	STEEL LBS.
6"&8"	2'-0"	4'-6"	1'-6"	2'-6"	1'-0"	1'-0"	0'-8"	1'-11"	0.94	#4	34	2'-0"	4'-6"	0'-9"	1'-6"	1'-0"	1'-0"	0'-8"	1'-7"	0.54	#4	28
10"	2'-6"	5'-0"	1'-6"	3'-0"	1'-3"	1'-0"	1'-0"	2'-4"	1.31	#4	42	2'-6"	5'-0"	0'-9"	1'-9"	1'-3"	1'-0"	0'-9"	1'-8"	0.75	#4	32

DIA.	Θ = 11 1/4° A	B	C	ROUND BAR SIZE	# OF BARS EACH WAY	STEEL LBS.	CONC. CU. FEET	DIA.	Θ = 22 1/2° A	B	C	ROUND BAR SIZE	# OF BARS EACH WAY	STEEL LBS.	CONC. CU. FEET
6"	1'-3"	0'-9"	0'-9"	–	–	–	0.1	6"	1'-6"	0'-9"	0'-9"	–	–	–	0.1
10"	1'-6"	1'-0"	1'-0"	#4	3	4.0	0.1	10"	1'-11"	1'-0"	1'-0"	#4	3	5.5	0.15
DIA.	Θ = 45° A	B	C	ROUND BAR SIZE	# OF BARS EACH WAY	STEEL LBS.	CONC. CU. FEET	DIA.	Θ = 90° A	B	C	ROUND BAR SIZE	# OF BARS EACH WAY	STEEL LBS.	CONC. CU. FEET
6"	1'-9"	1'-0"	1'-0"	–	–	–	0.3	6"	2'-3"	1'-0"	1'-0"	–	–	–	0.3
10"	2'-9"	1'-0"	1'-0"	#4	3	14.5	0.35	10"	3'-8"	1'-0"	1'-2"	#4	6	31.0	0.7



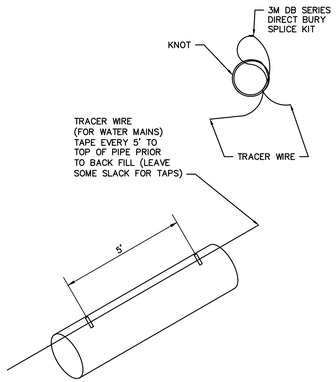
REINFORCED CONCRETE THRUST BLOCKS
NOT TO SCALE



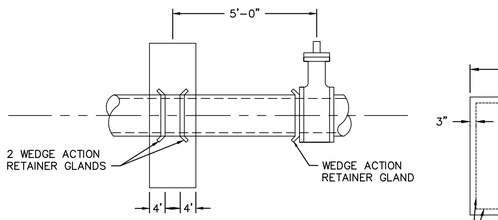
DIA.	R.C. TEE BLOCK & PLUG BLOCK A	B	C	ROUND BAR SIZE	# OF BARS EACH WAY	STEEL LBS.	CONC. CU. FEET
6"	1'-9"	0'-8"	0'-8"	–	–	–	0.1
10"	2'-10"	0'-11"	0'-11"	#4	4	15.2	0.3

NOTES:
1. THRUST BLOCKS TO BE POURED AGAINST UNDISTURBED EARTH.
2. ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM SERIAL DESIGNATION A-305-507 AND SHALL SATISFY THE BEND TEST REQUIREMENTS FOR STRUCTURAL GRADE STEEL IN ACCORDANCE WITH THE REQUIREMENTS.
3. ALL CONCRETE SHALL BE NDOR CLASS 47B-3,500
4. MINIMUM DEPTH OF EMBEDMENT FOR REINFORCING STEEL TO BE AS NOTED.
5. ALL REINFORCING STEEL SHALL BE EPOXY COATED.

REINFORCED CONCRETE TEE BLOCK
NOT TO SCALE

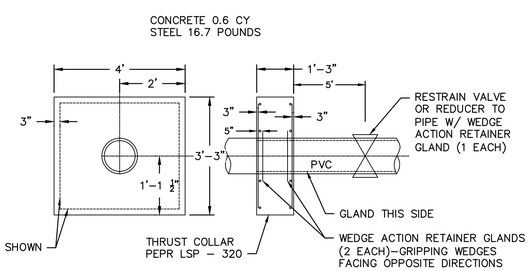


TRACER WIRE LOCATION FOR TRENCHED WATER MAINS

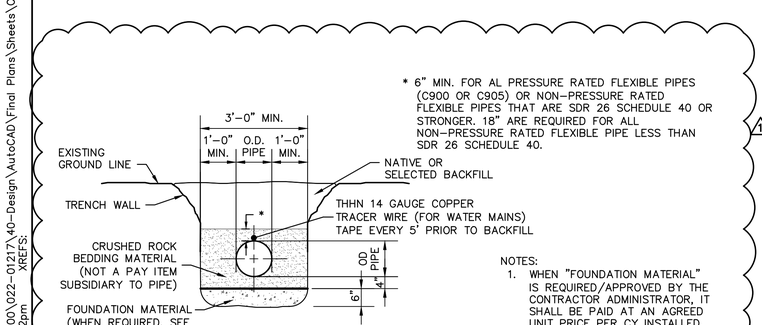


WHENEVER PVC PIPE IS USED FOR WATER MAIN MATERIAL, A THRUST COLLAR SHALL BE INSTALLED 5' FROM EACH LINE VALVE OR REDUCER. TWO WEDGE ACTION RETAINER GLANDS SHALL BE EMBEDDED IN THE THRUST COLLAR, WITH THE GRIPPING WEDGES FACING OPPOSITE DIRECTIONS, TO PROVIDE THRUST RESTRAINT FROM EITHER DIRECTION. A SINGLE WEDGE ACTION RETAINER GLAND SHALL BE INSTALLED ON THE M.J. JOINT ON THE SIDE OF THE VALVE OR REDUCER NEAREST THE THRUST COLLAR.

THRUST COLLAR FOR PVC PIPE
NOT TO SCALE



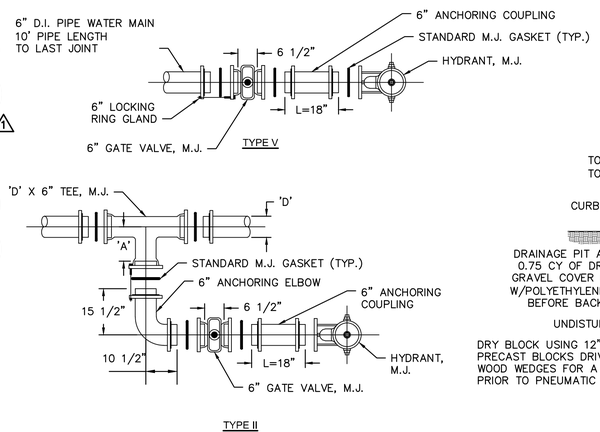
LINE VALVE & REDUCER RESTRAINT FOR PVC WATER MAIN
NOT TO SCALE

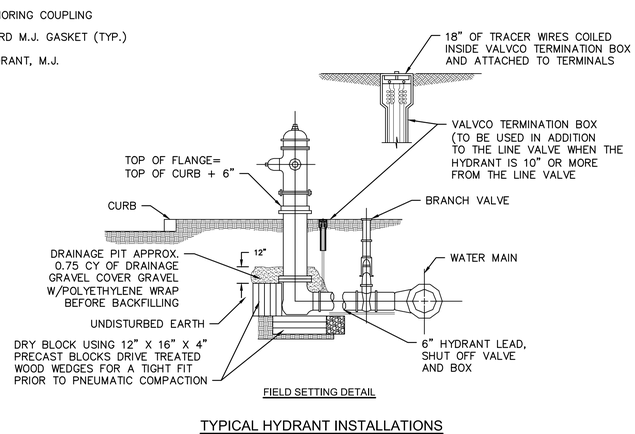


* 6" MIN. FOR AL PRESSURE RATED FLEXIBLE PIPES (C900 OR C905) OR NON-PRESSURE RATED FLEXIBLE PIPES THAT ARE SDR 26 SCHEDULE 40 OR STRONGER. 18" ARE REQUIRED FOR ALL NON-PRESSURE RATED FLEXIBLE PIPE LESS THAN SDR 26 SCHEDULE 40.

NOTES:
1. WHEN "FOUNDATION MATERIAL" IS REQUIRED/APPROVED BY THE CONTRACTOR ADMINISTRATOR, IT SHALL BE PAID AT AN AGREED UNIT PRICE PER CY INSTALLED, BASED ON THE INCREASED DIMENSIONS OF THE MATERIAL ADDED TO STABILIZE THE TRENCH BOTTOM.
2. FOUNDATION MATERIAL WRAPPING REQUIRED WHEN GROUNDWATER IS ENCOUNTERED IN TRENCH.

PIPE BEDDING AND FOUNDATION MATERIAL FOR ALL PIPE EXCEPT DUCTILE IRON AND REINFORCED CONCRETE.
NOT TO SCALE





FIELD SETTING DETAIL

TYPICAL HYDRANT INSTALLATIONS
NOT TO SCALE

TEE CONNECTION DIMENSIONS			
MAIN RUN SIZE (INCHES) 'D'	BRANCH SIZE (INCHES)	BRANCH LENGTH SWIVEL TEE (INCHES) 'A'	BRANCH LENGTH (INCHES) 'A'
6	6	10.5	8
8	6	11.5	9
12	6	14.5	12
16	6	17.5	15
24	6	21.5	19
30	6	24.5	23

NOTES:
1. ALL ANCHORING COUPLINGS SHALL BE 18" IN LENGTH UNLESS PLANS SHOW OTHERWISE.
2. ALL ANCHORING COUPLINGS AND ANCHORING ELBOWS SHALL BE CAST WITH AN INTEGRAL M.J. GLAND ON ONE END AND A DUCTILE IRON ROTATABLE M.J. GLAND ON THE OTHER END.
3. A LOCKING RING GLAND SHALL BE SUBSTITUTED FOR ONE OF THE STANDARD GLANDS ON THE 6" GATE VALVE FOR THE TYPE V AND TYPE VI INSTALLATIONS.
4. BACKFILL OF HYDRANTS SHALL BE PNEUMATICALLY COMPACTED.

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Lincoln, NE 68508
TEL 402.474.6311
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PROFESSIONAL CIVIL ENGINEER BRANDON D. BIBA E-15425 STATE OF NEBRASKA
7-31-2024

REVISIONS

REV. NO.	DATE	REVISIONS DESCRIPTION
1	10.8.2024	Bedding Material

DETAIL SHEET

WAVERLY RIDGE

2024

WAVERLY, NEBRASKA

drawn by: MCL
checked by: ENG
approved by: ENG
QA/QC by: ENG
project no.: 022-01217
drawing no.:
date:

SHEET 37 of 39

DWG: F:\2022\01001-01500\022-01217\40-Design\AutoCAD\Final Plans\Sheets\C_DTL02_02201217.dwg USER: mlangston
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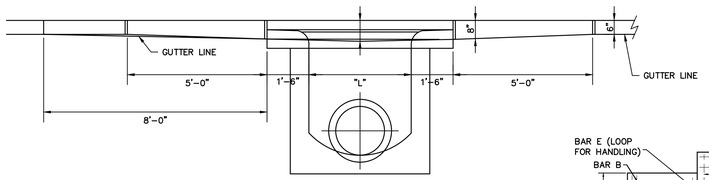
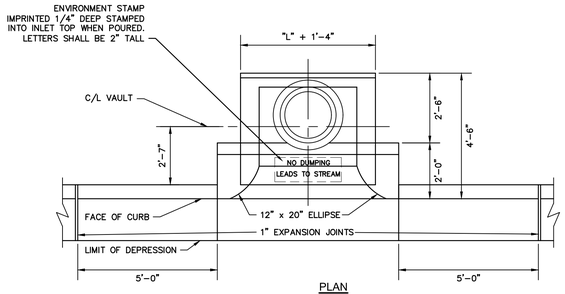
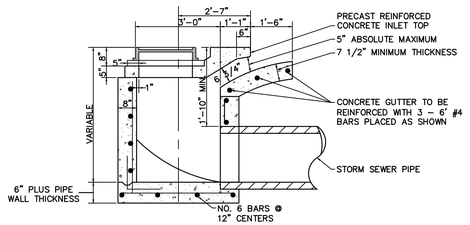


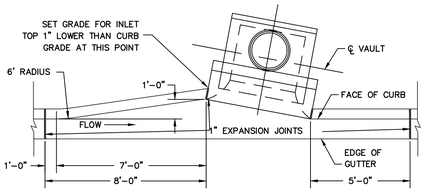
GUTTER DEPRESSION AT FACE OF CURB



PLAN



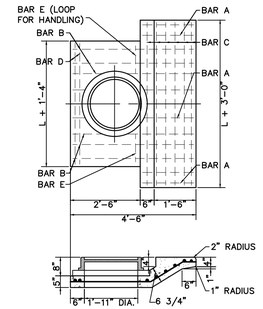
SECTION



PLAN OF CANTED STORM SEWER INLET

A-2 STORM SEWER CURB INLET

NOT TO SCALE

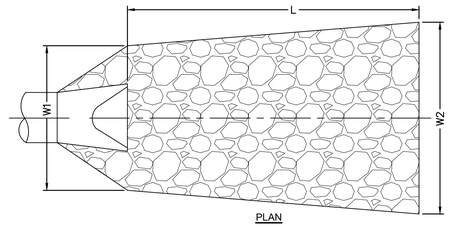


PRECAST REINFORCED CONCRETE INLET TOP

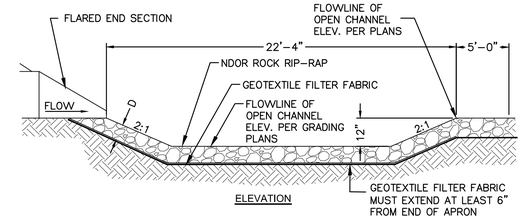
SCHEDULE OF REINFORCEMENT FOR PRECAST CONCRETE INLET TOP				
BAR	SHAPE	INLET OPENING = "L" 72"		
		NO.	SIZE	LENGTH
A	8" 8"	6	#4	1'-9 1/2"
B	8" 8"	10	#4	4'-6"
C		8	#4	8'-9"
D		2	#4	7'-0"
E	8"	2	#4	3'-0"

GENERAL NOTES:

1. ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO A.S.T.M. SERIAL DESIGNATION A-305-507 AND SHALL SATISFY THE BEND TEST REQUIREMENTS FOR STRUCTURAL GRADE STEEL IN ACCORDANCE WITH THE REQUIREMENTS.
2. MINIMUM DEPTH OF EMBEDMENT FOR REINFORCING STEEL SHALL BE 2" UNLESS OTHERWISE INDICATED.
3. ALL CONCRETE SHALL BE CLASS 47B-3,500.
4. EACH INLET SHALL INCLUDE A CAST IRON COVER AND FRAME.
5. EACH INLET SHALL INCLUDE LENGTH OF CURB AS PER SPECIFICATIONS.
6. ALL REINFORCING CONCRETE SHALL BE EPOXY COATED.



PLAN

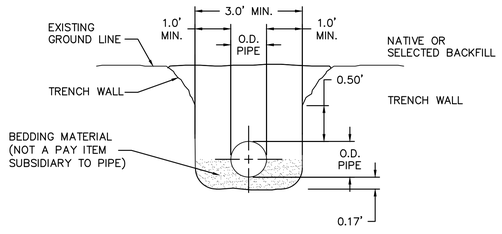


ELEVATION

PIPE SIZE (DIA.)	W1	W2	LENGTH (L)	MEDIAN STONE SIZE	DEPTH OF APRON (D)
12"	3'	13'	12'	12"	18"
15"	3'-9"	16'	15'	12"	18"
18"	4'-6"	20'	18'	12"	18"
24"	6'	26'	24'	15"	24"
30"	7'-6"	32'	30'	18"	24"
36"	9'	39'	36'	24"	36"
42"	10'-6"	44'	40'	24"	36"
48"	12'-0"	50'	48'	24"	36"
66"	16'-6"	59'-6"	54'	24"	36"
72"	18'-0"	66'	60'	24"	36"

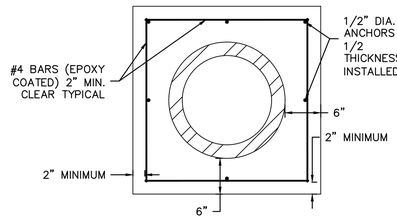
ROCK RIP-RAP FOR RCP OUTLET CONDITIONS

NOT TO SCALE



PIPE BEDDING FOR DUCTILE IRON AND REINFORCED CONCRETE PIPE 15" DIAMETER AND LARGER

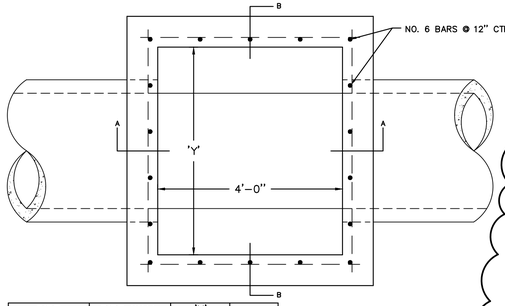
NOT TO SCALE



STORM SEWER PIPE TAP (END ELEVATION)

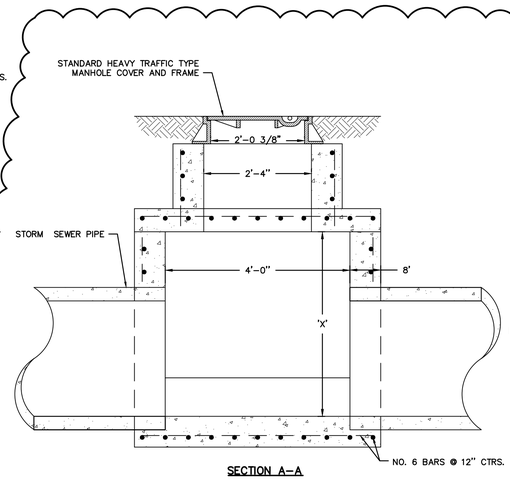
NOT TO SCALE

GENERAL NOTES:
ALL REINFORCING STEEL SHALL BE EPOXY COATED.
ALL CONCRETE SHALL BE L3500.
MINIMUM DEPTH OF EMBEDMENT FOR REINFORCING STEEL TO BE 2".

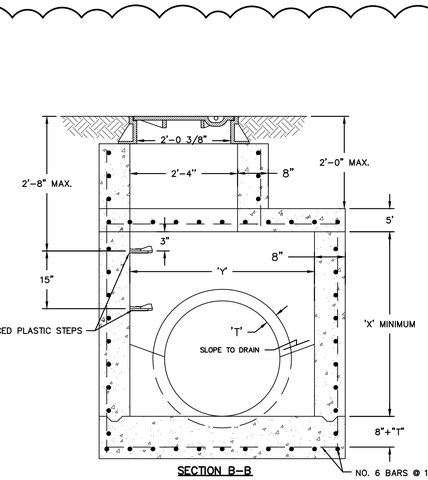


PIPE DIAMETER IN.	PIPE WALL THICKNESS- T	'X' (MINIMUM)	'Y'
15"-30" INC.	3 1/2"	3'-6"	4'-6"

STANDARD PROCEDURES:
FOR MANHOLES IN PAVEMENT, PLACE STEPS IN WALL FARTHEST FROM GUTTER. FOR MANHOLES BEHIND CURBS, PLACE STEPS FARTHEST FROM BACK OF CURB.
EXCEPTIONS TO BE BUILT AS DIRECTED BY ENGINEER.



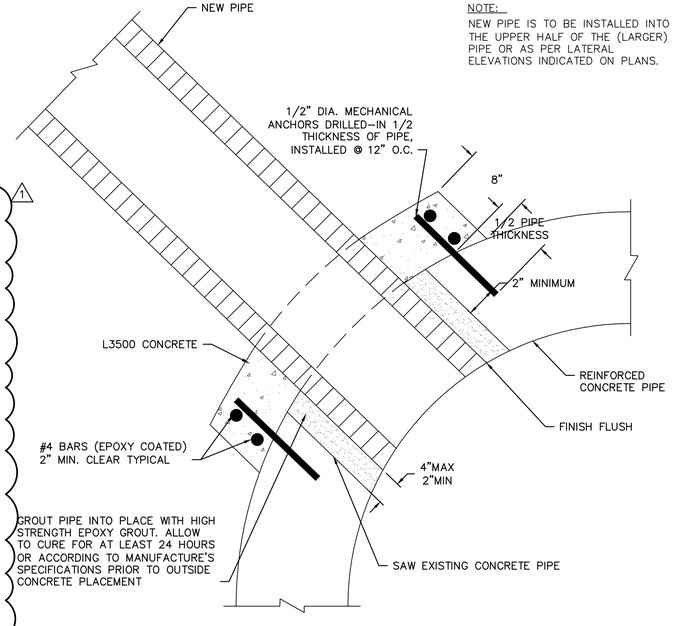
SECTION A-A



SECTION B-B

STORM SEWER MANHOLE

NOT TO SCALE



NOTE:
NEW PIPE IS TO BE INSTALLED INTO THE UPPER HALF OF THE (LARGER) PIPE OR AS PER LATERAL ELEVATIONS INDICATED ON PLANS.

STORM SEWER PIPE TAP

NOT TO SCALE

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PROFESSIONAL ENGINEER BRANDON D. BIBA E-15425 7-31-2024 STATE OF NEBRASKA

REVISIONS

REV. NO.	DATE	REVISIONS DESCRIPTION
1	8.20.2024	Remove Brick from M.H.

DETAIL SHEET

WAVERLY RIDGE

WAVERLY, NEBRASKA

2024

drawn by:	MCL
checked by:	ENG
approved by:	ENG
QA/QC by:	ENG
project no.:	022-01217
drawing no.:	
date:	

SHEET
38 of 39

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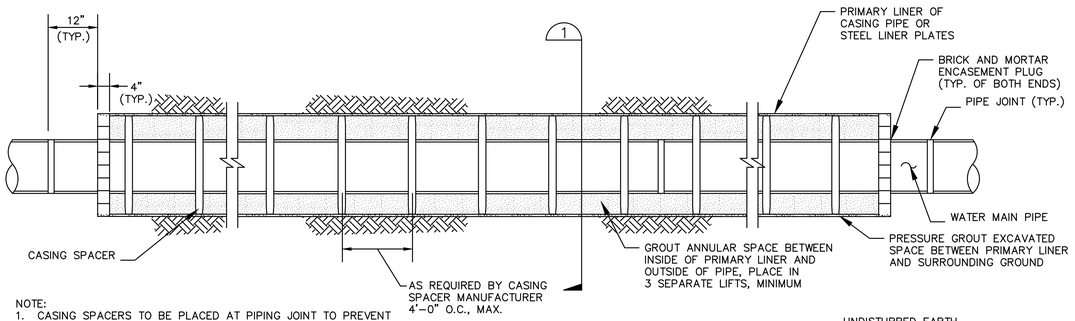
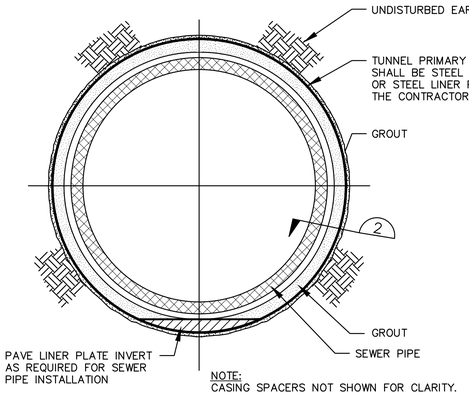
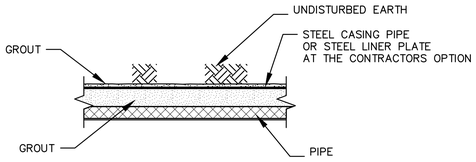


NOTE:
1. CASING SPACERS TO BE PLACED AT PIPING JOINT TO PREVENT OVER HOMING OF PIPE BELL DURING INSTALLATION INTO CASING.
2. CASING CAN ALSO BE USED FOR DIRECT BURY OR TRENCHED IN CASING.



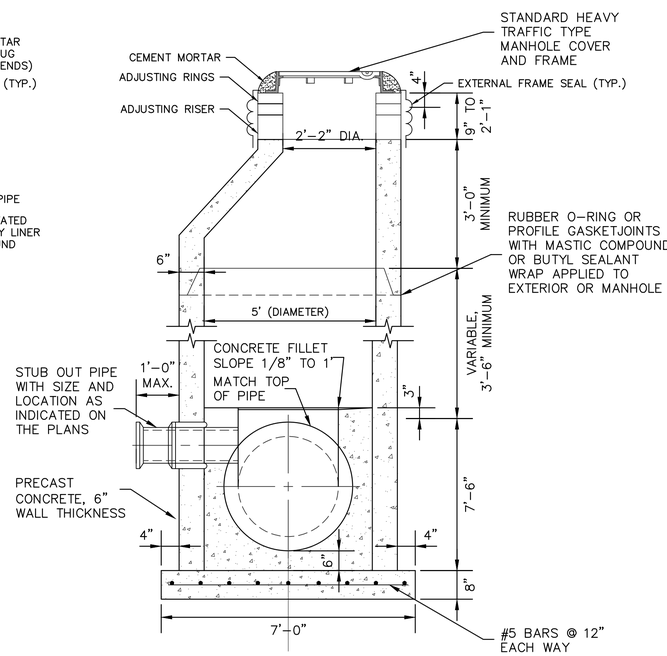
NOTE:
CASING SPACERS NOT SHOWN FOR CLARITY.



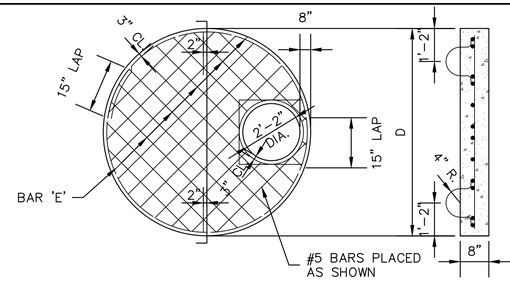
CASING PRIMARY LINERS		
SEWER DIAMETER (INCHES)	CASING PIPE (H-20) HIGHWAY	
	DIAMETER (INCHES)	THICKNESS (INCHES)
8	14	0.188

NOTES:
1. GIVEN DIMENSIONS AND THICKNESSES ARE MINIMUMS AND DO NOT CONSIDER CONTRACTOR'S METHODS OR INSTALLATION LOADINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING PRIMARY LINERS OF ADEQUATE DIAMETERS AND THICKNESSES FOR SEWER CONSTRUCTION AND TO ACCOMMODATE CONSTRUCTION METHODS.
2. LINER PLATE GAUGE BASED UPON USE OF CORRUGATED LINER PLATE. INCREASE THICKNESS AS REQUIRED FOR SMOOTH LINER PLATE.

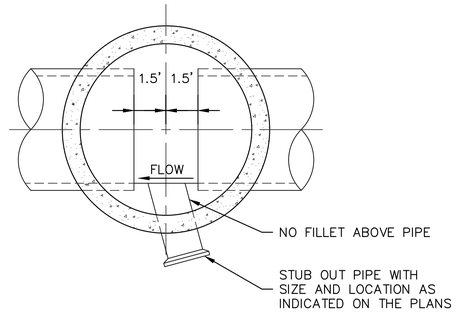
STEEL CASING DETAIL
NOT TO SCALE



SECTION OF MANHOLE, TYPE 'P'
NOT TO SCALE



PRECAST MANHOLE TOP



MANHOLE INVERT

GENERAL NOTES:

THE CAST IRON MANHOLE RING SHALL SET IN A BED OF MORTAR, AND CAREFULLY ADJUSTED TO PROPOSED GRADE.

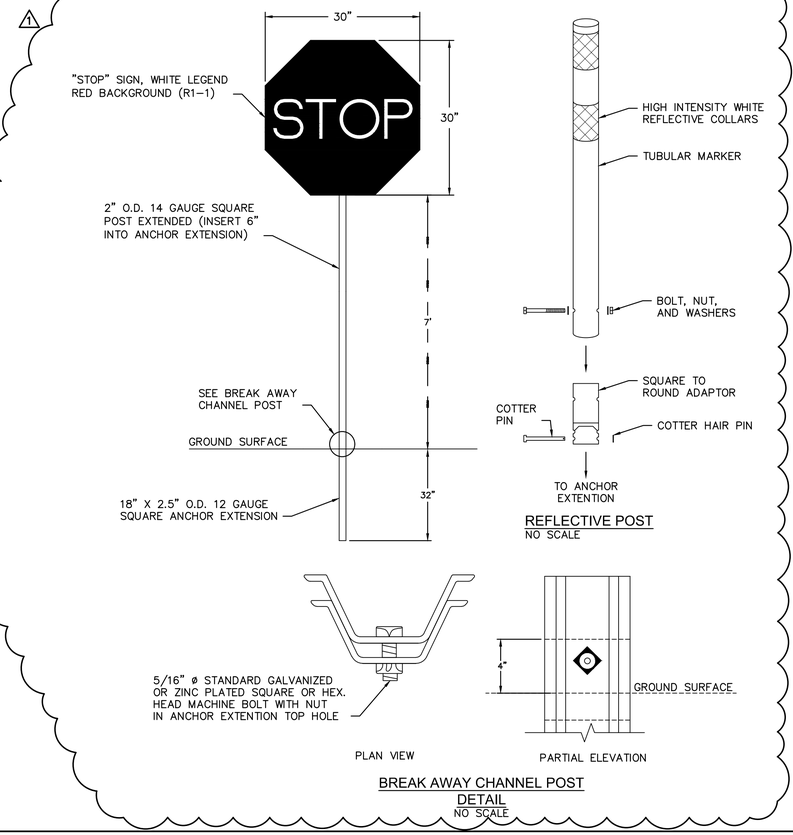
MANHOLE RING AND COVER SHALL BE HEAVY TRAFFIC TYPE.

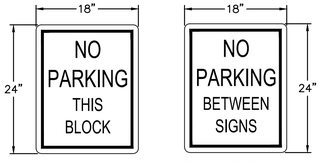
CONCRETE IN MANHOLE SHALL BE L-3500, VIBRATED IN PLACE.

ALL REINFORCING STEEL SHALL BE EPOXY COATED.

MAXIMUM DROP PIPE SIZE IS 15" DIAMETER, FOR 18" DIAMETER AND LARGER, CONSTRCUT LINE MANHOLE AND MATCH TOP OF PIPES

WASTEWATER MANHOLES TYPE 'P'





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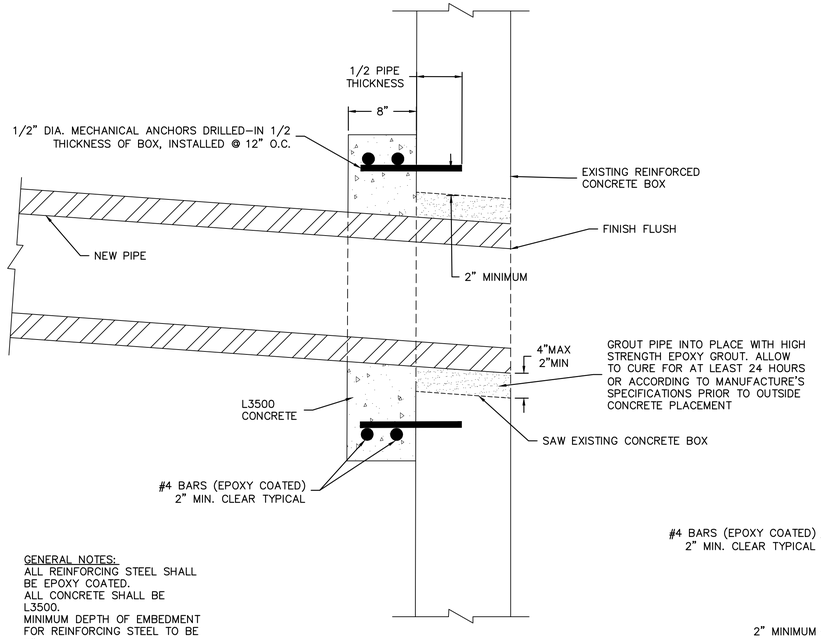
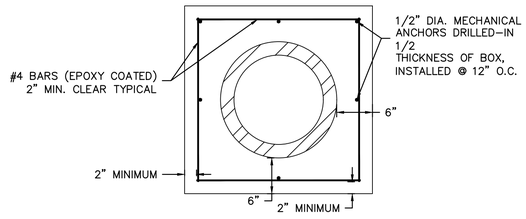


GENERAL NOTES:
ALL REINFORCING STEEL SHALL BE EPOXY COATED.
ALL CONCRETE SHALL BE L3500.
MINIMUM DEPTH OF EMBEDMENT FOR REINFORCING STEEL TO BE 2".

STORM SEWER BOX TAP (SIDE ELEVATION)
NOT TO SCALE



STORM SEWER BOX TAP (END ELEVATION)
NOT TO SCALE

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Lincoln, NE 68508
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PROFESSIONAL ENGINEER BRANDON D. BIBA E-15425 7-31-2024 STATE OF NEBRASKA

REVISIONS			
REV. NO.	DATE	REVISIONS DESCRIPTION	
1	10.31.2024	Signs	

DETAIL SHEET

WAVERLY RIDGE

2024

WAVERLY, NEBRASKA

drawn by:	MCL
checked by:	ENG
approved by:	ENG
QA/QC by:	ENG
project no.:	022-01217
drawing no.:	
date:	

SHEET 39 of 39

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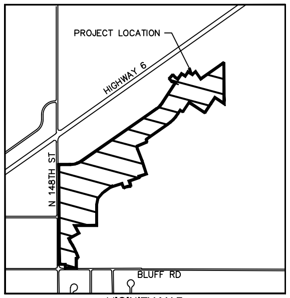
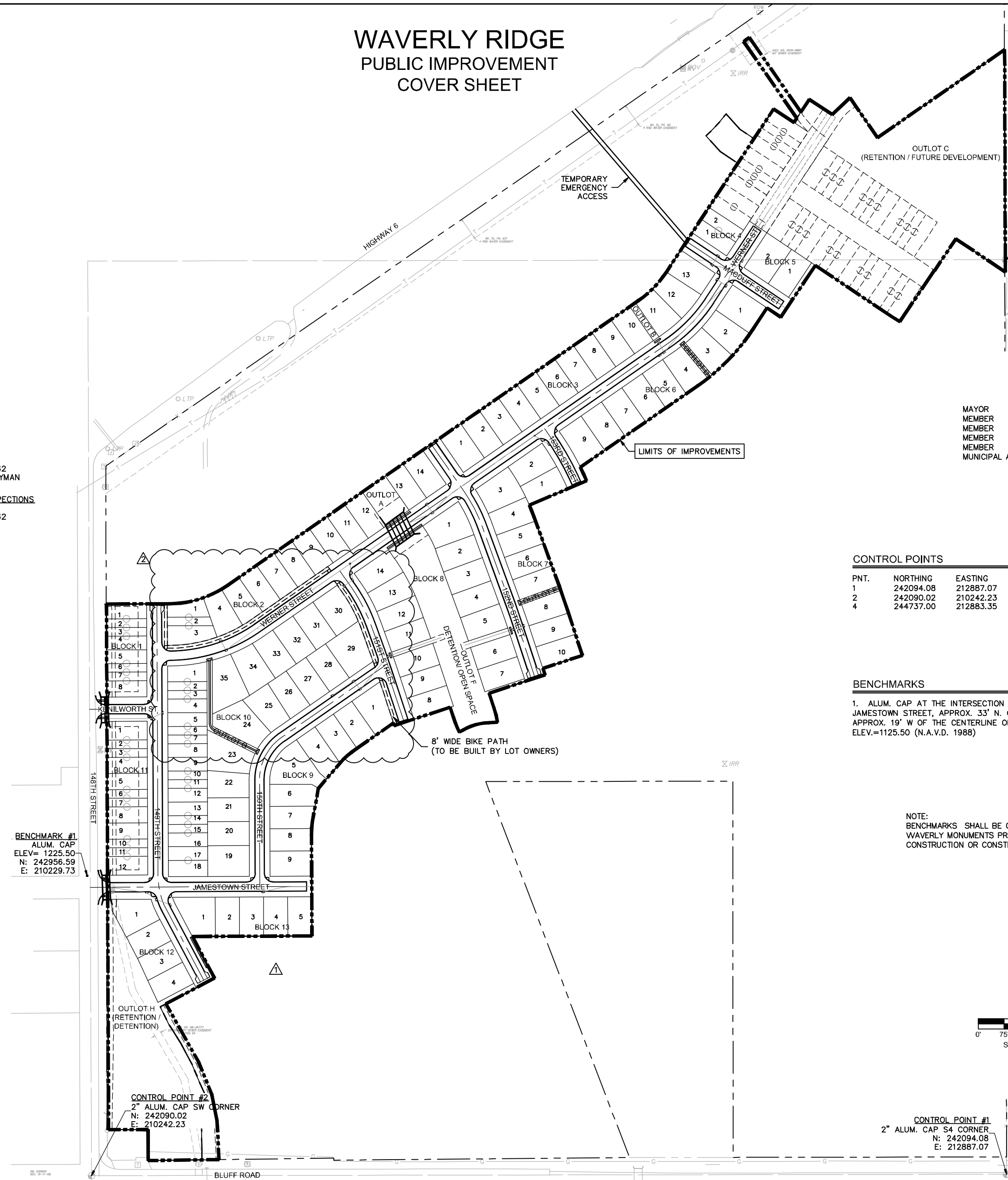
WAVERLY RIDGE
PUBLIC IMPROVEMENT
COVER SHEET



VICINITY MAP



PROJECT CONTACTS

WINDSTREAM
401 S. 21ST STREET
P.O. BOX 81309
LINCOLN, NE 68510

LINCOLN ELECTRIC SYSTEM
2620 FAIRFIELD
P.O. BOX 80869
LINCOLN, NE 68501
ATTN: DANA DANIELS
402.467.7634

CHARTER COMMUNICATIONS
1-800-373-2225
WWW.CHARTERCOM.COM

BLACK HILLS ENERGY
1600 WINDHOEK DR.
P.O. BOX 38008
LINCOLN, NE 68501
ATTN: RANDY KREIFELS
402.437.1715

ALLO FIBER (1)
330 S 21S ST.
LINCOLN NE 68510
ATTN: JAMES DOBESH
402.417.4014

PUBLIC WORKS
14130 LANCASHIRE
WAVERLY, NE 68462
ATTN: TRACEY WHYMAN
402.786.2312

BUILDING AND INSPECTIONS
14130 LANCASHIRE
WAVERLY, NE 68462
ATTN: MIKE PALM
402.786.2312

SHEET INDEX

CITY OFFICIALS

MAYOR	BILL GERDES
MEMBER	AARON HUMMEL
MEMBER	ABBEY PASCOE
MEMBER	DAVE NIELSON
MEMBER	DAVID JESPERSEN
MUNICIPAL ATTORNEY	MARK FAHLESON

CONTROL POINTS

PNT.	NORTHING	EASTING	ELEV.	DESC.
1	242094.08	212887.07	.	2" ALUM. CAP S4 CORNER
2	242090.02	210242.23	.	2" ALUM. CAP SW. CORNER
4	244737.00	212883.35	.	LS595 CAP CENTER OF SECTION

BENCHMARKS

1. ALUM. CAP AT THE INTERSECTION OF N. 148TH STREET AND JAMESTOWN STREET, APPROX. 33' N. OF THE INTERSECTION APPROX. 19' W OF THE CENTERLINE OF N. 148TH STREET. ELEV.=1125.50 (N.A.V.D. 1988)

NOTE:
BENCHMARKS SHALL BE CHECKED INTO CITY OF WAVERLY MONUMENTS PRIOR TO STARTING CONSTRUCTION OR CONSTRUCTION STAKING.

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P.O. Box 84608
Lincoln, NE 68508
TEL 402.474.6311 www.olsson.com

REV. NO.	DATE	REVISIONS DESCRIPTION
1	10.8.2024	Adjust Boundary
2	10.31.2024	Bike Path Added

REVISIONS

2024

PUBLIC IMPROVEMENT COVER SHEET

WAVERLY RIDGE

WAVERLY, NEBRASKA

drawn by: MCL
checked by: ENG
approved by: ENG
QA/QC by: ENG
project no.: 022-01217
drawing no.:
date:

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DATE: Oct 31, 2024 2:13pm XREFS: V_XTOPO_02201217 C_PBASE_02201217

WAVERLY RIDGE ESTATES ADDITION
FINAL PLAT

STREETS

STREETS, AVENUES, LANES, DRIVES AND COURTS SHOWN ON THIS PLAT AND HERETOFORE DEDICATED TO AND FOR PUBLIC USE ARE HEREBY SO DEDICATED.

EASEMENTS

EASEMENTS ARE HEREBY DEDICATED FOR PUBLIC USE, AS UTILITY EASEMENT RIGHT-OF-WAY WHICH ARE SHOWN AS LYING BETWEEN THE DASHED LINES IN THE WIDTHS INDICATED AND AS SET FORTH ON THIS PLAT UNLESS OTHERWISE NOTED, AND SAID EASEMENTS MAY BE EMPLOYED FOR THE PURPOSE OF INSTALLING, REPAIRING AND MAINTAINING GAS LINES, ELECTRICAL LINES, TELEPHONE LINES, AND ALL OTHER FORMS AND TYPES OF PUBLIC UTILITIES NOW OR HEREAFTER USED BY THE PUBLIC OVER, UNDER AND ALONG THE STRIPS MARKED “GENERAL UTILITY EASEMENTS”.

DEDICATION

KNOW ALL MEN BY THESE PRESENT:

THAT I, THE UNDERSIGNED, BEING THE SOLE OWNER AND PROPRIETOR OF THE LAND EMBRACED WITHIN THIS PLAT AND DESCRIBED IN THE SURVEYOR'S CERTIFICATE, HAVE CAUSED THE SAME TO BE SUBDIVIDED INTO LOTS AND BLOCKS TO BE NUMBERED AS SHOWN. AND I APPROVE THE DISPOSITION OF THE PROPERTY AS SHOWN ON THIS PLAT, AND I HEREBY DEDICATE TO THE PUBLIC FOR THE PUBLIC USE THE STREETS AS SHOWN HEREIN AND I ALSO GRANT THE EASEMENTS SHOWN ON THE PLAT TO THE AGENCIES DESIGNATED AND THEIR ASSIGNS FOR THE PURPOSES NOTED. NO PERMANENT BUILDING OR RETAINING WALLS SHALL BE PLACED IN THE ABOVE DESCRIBED EASEMENT WAYS, BUT THE SAME MAY BE USED FOR GARDENS, SHRUBS, LANDSCAPING AND OTHER PURPOSES THAT DO NOT THEN OR LATER INTERFERE WITH THE AFORESAID USES OR RIGHTS HEREIN GRANTED.

WITNESS MY HAND THIS ____ DAY OF _____, 20___.

SMETTER DEVELOPMENT LLC, A NEBRASKA LIMITED LIABILITY COMPANY

_____
SEAN SMETTER, MANAGER

ACKNOWLEDGMENT OF NOTARY

STATE OF NEBRASKA)
)SS.
COUNTY OF LANCASTER)

ON THIS ____ DAY OF _____, 20___, BEFORE ME, THE UNDERSIGNED, A NOTARY PUBLIC, PERSONALLY CAME SEAN SMETTER, TO ME PERSONALLY KNOWN TO BE THE IDENTICAL PERSON WHOSE NAME IS AFFIXED TO THE FOREGOING INSTRUMENT AS MANAGER OF SMETTER DEVELOPMENT LLC., A NEBRASKA LIMITED LIABILITY COMPANY AND HE ACKNOWLEDGED THE SAME TO BE HIS VOLUNTARY ACT AND DEED AND THE VOLUNTARY ACT AND DEED OF SAID COMPANY.

_____
NOTARY PUBLIC

PLANNING COMMISSION APPROVAL

THIS PLAT HAS BEEN APPROVED BY THE PLANNING COMMISSION OF THE CITY OF WAVERLY, NEBRASKA, THIS _____ DAY OF _____, 20___.

_____ _____ _____
CHAIRMAN ATTEST: CITY CLERK

CITY COUNCIL APPROVAL

THE DEDICATIONS SHOWN ON THIS PLAT HAVE BEEN ACCEPTED BY THE CITY COUNCIL OF THE CITY OF WAVERLY, NEBRASKA, THIS _____ DAY OF _____, 20___.

_____ _____ _____
MAYOR ATTEST: CITY CLERK

INDEX OF SHEETS

LEGAL DESCRIPTION

A TRACT OF LAND COMPOSED OF LOT 71 I.T. LOCATED IN THE WEST HALF OF SECTION 15, TOWNSHIP 11 NORTH, RANGE 8 EAST OF THE 6TH P.M., LANCASTER COUNTY, NEBRASKA, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF THE NORTHWEST QUARTER OF SAID SECTION 15; THENCE, SOUTH, ON THE EAST LINE OF THE SOUTHWEST QUARTER OF SAID SECTION 15, ON AN ASSUMED BEARING OF S00°04'50"E, A DISTANCE OF 35.93' TO A POINT; THENCE N56°07'55"W, A DISTANCE OF 172.15' TO A POINT; THENCE S33°52'05"W, A DISTANCE OF 110.00' TO A POINT; THENCE N56°07'55"W, A DISTANCE OF 0.98' TO A POINT; THENCE S33°52'05"W, A DISTANCE OF 178.48' TO A POINT OF CURVATURE FOR A NON-TANGENT CURVE IN A CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 05°45'45", A RADIUS OF 300.00', AN ARC LENGTH OF 30.17', A CHORD LENGTH OF 30.16', A TANGENT LENGTH OF 15.10', AND A CHORD BEARING OF N59°00'48"W TO A POINT; THENCE N56°07'55"W, A DISTANCE OF 263.24' TO A POINT; THENCE S33°52'05"W, A DISTANCE OF 180.00' TO A POINT; THENCE N56°07'55"W, A DISTANCE OF 47.76' TO A POINT; THENCE S33°20'23"W, A DISTANCE OF 73.77' TO A POINT OF CURVATURE FOR A CURVE IN A CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 21°56'22", A RADIUS OF 600.00', AN ARC LENGTH OF 229.75', A CHORD LENGTH OF 228.35', A TANGENT LENGTH OF 116.30', AND A CHORD BEARING OF S44°18'33"W TO A POINT; THENCE S55°16'44"W, A DISTANCE OF 412.70' TO A POINT OF CURVATURE FOR A NON-TANGENT CURVE IN A CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 03°09'49", A RADIUS OF 780.00', AN ARC LENGTH OF 43.07', A CHORD LENGTH OF 43.06', A TANGENT LENGTH OF 21.54', AND A CHORD BEARING OF S24°44'03"E TO A POINT; THENCE S66°50'51"W, A DISTANCE OF 180.00' TO A POINT OF CURVATURE FOR A NON-TANGENT CURVE IN A CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 03°29'01", A RADIUS OF 601.42', AN ARC LENGTH OF 36.57', A CHORD LENGTH OF 36.56', A TANGENT LENGTH OF 18.29', AND A CHORD BEARING OF S21°25'39"E TO A POINT; THENCE S20°02'41"E, A DISTANCE OF 211.81' TO A POINT OF CURVATURE FOR A CURVE IN A CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 01°54'24", A RADIUS OF 2,350.00', AN ARC LENGTH OF 78.20', A CHORD LENGTH OF 78.20', A TANGENT LENGTH OF 39.10', AND A CHORD BEARING OF S19°05'29"E TO A POINT; THENCE S18°08'17"E, A DISTANCE OF 133.89' TO A POINT; THENCE S71°51'43"W, A DISTANCE OF 120.00' TO A POINT; THENCE S18°08'17"E, A DISTANCE OF 19.80' TO A POINT; THENCE S71°51'43"W, A DISTANCE OF 170.00' TO A POINT; THENCE S18°08'17"E, A DISTANCE OF 45.30' TO A POINT OF CURVATURE FOR A CURVE IN A CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 07°47'27", A RADIUS OF 310.00', AN ARC LENGTH OF 42.15', A CHORD LENGTH OF 42.12', A TANGENT LENGTH OF 21.11', AND A CHORD BEARING OF S14°14'33"E TO A POINT; THENCE S87°18'42"W, A DISTANCE OF 25.69' TO A POINT OF CURVATURE FOR A CURVE IN A COUNTER CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 30°25'46", A RADIUS OF 170.00', AN ARC LENGTH OF 90.29', A CHORD LENGTH OF 89.23', A TANGENT LENGTH OF 46.23', AND A CHORD BEARING OF S72°05'49"W TO A POINT OF CURVATURE FOR A NON-TANGENT CURVE IN A CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 08°10'16", A RADIUS OF 310.00', AN ARC LENGTH OF 44.21', A CHORD LENGTH OF 44.17', A TANGENT LENGTH OF 22.14', AND A CHORD BEARING OF N22°13'25"W TO A POINT; THENCE N18°08'17"W, A DISTANCE OF 32.55' TO A POINT; THENCE S71°51'43"W, A DISTANCE OF 170.00' TO A POINT; THENCE N18°08'17"W, A DISTANCE OF 7.54' TO A POINT; THENCE S55°16'44"W, A DISTANCE OF 129.70' TO A POINT OF CURVATURE FOR A CURVE IN A CLOCKWISE DIRECTION HAVING A CENTRAL ANGLE OF 09°09'26", A RADIUS OF 311.48', AN ARC LENGTH OF 49.78', A CHORD LENGTH OF 49.73', A TANGENT LENGTH OF 24.94', AND A CHORD BEARING OF S50°42'01"W TO A POINT; THENCE S40°50'53"W, A DISTANCE OF 109.24' TO A POINT; THENCE S10°25'21"W, A DISTANCE OF 98.10' TO A POINT OF CURVATURE FOR A NON-TANGENT CURVE IN A COUNTER CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 07°13'39", A RADIUS OF 300.00', AN ARC LENGTH OF 37.84', A CHORD LENGTH OF 37.82', A TANGENT LENGTH OF 18.95', AND A CHORD BEARING OF S03°22'38"W TO A POINT; THENCE S00°14'12"E, A DISTANCE OF 292.84' TO A POINT; THENCE S89°45'48"W, A DISTANCE OF 345.46' TO A POINT; THENCE S27°54'10"E, A DISTANCE OF 136.25' TO A POINT; THENCE S62°05'50"W, A DISTANCE OF 177.36' TO A POINT; THENCE S26°13'05"E, A DISTANCE OF 55.62' TO A POINT; THENCE S32°06'29"E, A DISTANCE OF 68.18' TO A POINT; THENCE S27°54'10"E, A DISTANCE OF 68.00' TO A POINT; THENCE S22°38'05"E, A DISTANCE OF 67.67' TO A POINT OF CURVATURE FOR A NON-TANGENT CURVE IN A CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 10°22'23", A RADIUS OF 450.00', AN ARC LENGTH OF 81.47', A CHORD LENGTH OF 81.36', A TANGENT LENGTH OF 40.85', AND A CHORD BEARING OF S20°57'11"E TO A POINT; THENCE S74°14'01"W, A DISTANCE OF 29.93' TO A POINT; THENCE S00°05'17"E, A DISTANCE OF 129.50' TO A POINT ON THE NORTH LINE OF LOT 59 I.T.; THENCE S89°54'43"W, ON THE NORTH LINE OF SAID LOT 59 I.T., A DISTANCE OF 153.97' TO A POINT; THENCE N00°16'42"W, ON AN EAST LINE OF SAID LOT 59 I.T., A DISTANCE OF 89.56' TO A POINT; THENCE S89°52'15"W, ON THE NORTH LINE OF SAID LOT 59 I.T. AND THE NORTH LINE OF LOT 21 I.T. A DISTANCE OF 114.02' TO A POINT ON THE EAST RIGHT OF WAY LINE OF NORTH 148TH STREET; THENCE N00°14'03"W, ON THE EAST RIGHT OF WAY LINE OF SAID 148TH STREET, A DISTANCE OF 1518.70 TO A POINT; THENCE N89°45'48"E, A DISTANCE OF 180.78' TO A POINT OF CURVATURE FOR A CURVE IN A COUNTER CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 34°29'04", A RADIUS OF 300.00', AN ARC LENGTH OF 180.56', A CHORD LENGTH OF 177.85', A TANGENT LENGTH OF 93.11', AND A CHORD BEARING OF N72°31'16"E TO A POINT; THENCE N55°16'44"E, A DISTANCE OF 1,444.96' TO A POINT OF CURVATURE FOR A CURVE IN A COUNTER CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 21°56'22", A RADIUS OF 300.00', AN ARC LENGTH OF 114.87', A CHORD LENGTH OF 114.17', A TANGENT LENGTH OF 58.15', AND A CHORD BEARING OF N44°18'33"E TO A POINT; THENCE N33°20'23"E, A DISTANCE OF 376.55' TO A POINT; THENCE N56°07'55"W, A DISTANCE OF 62.35' TO A POINT; THENCE N41°41'03"W, A DISTANCE OF 60.00' TO A POINT OF CURVATURE FOR A NON-TANGENT CURVE IN A COUNTER CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 10°33'23", A RADIUS OF 464.35', AN ARC LENGTH OF 85.55', A CHORD LENGTH OF 85.43', A TANGENT LENGTH OF 42.90', AND A CHORD BEARING OF N42°33'11"E TO A POINT; THENCE S41°41'03"E, A DISTANCE OF 57.80' TO A POINT; THENCE S56°07'55"E, A DISTANCE OF 50.80' TO A POINT; THENCE N33°20'23"E, A DISTANCE OF 102.76' TO A POINT; THENCE S56°39'37"E, A DISTANCE OF 70.98' TO A POINT; THENCE N33°20'23"E, A DISTANCE OF 80.00' TO A POINT; THENCE S56°39'37"E, A DISTANCE OF 79.02' TO A POINT; THENCE N47°05'25"E, A DISTANCE OF 70.57' TO A POINT; THENCE S34°42'25"E, A DISTANCE OF 140.00' TO A POINT; THENCE N55°17'35"E, A DISTANCE OF 446.63' TO A POINT; THENCE S00°11'36"E, ON THE EAST LINE OF THE NORTHWEST QUARTER OF SAID SECTION 15, A DISTANCE OF 606.76' TO THE POINT OF BEGINNING, SAID TRACT CONTAINS A CALCULATED AREA OF 1,958,234.37 SQUARE FEET OR 44.95 ACRES, MORE OR LESS.

LAND SURVEYOR’S CERTIFICATE

THIS IS TO CERTIFY THAT THIS SURVEY WAS PREPARED BY THE UNDERSIGNED, THAT THE SURVEY WAS PERFORMED ON THE GROUND IN ACCORDANCE WITH THE MOST RECENT MINIMUM STANDARDS FOR BOUNDARY SURVEYS, AS SET FORTH BY THE NEBRASKA STATE BOARD OF EXAMINERS FOR REGISTERED LAND SURVEYORS, AND THAT THE ACCURACY SPECIFICATION AND POSITION TOLERANCE ARE IN ACCORDANCE WITH RURAL AREA SURVEYS.

_____ _____ _____
DATE ANDREW L. BROEKER L.S. NUMBER
OLSSON
601 P STREET, SUITE 200
LINCOLN, NE. 68508

WAVERLY RIDGE ESTATES ADDITION
FINAL PLAT

REM. PORT. LOT 17 I.T.
(NOT PART OF THIS PLAT)

LOT 69 I.T.
(NOT PART OF THIS PLAT)

REM. PORT. LOT 17 I.T.
(NOT PART OF THIS PLAT)

LOT 9 I.T.
(NOT PART OF THIS PLAT)

OUTLOT 'C'
RETENTION /DETENTION,
FUTURE DEVELOPMENT,
OPEN SPACE.

REM. PORT. LOT 4 I.T.
(NOT PART OF THIS PLAT)

LOT 72 I.T.
(NOT PART OF THIS PLAT)

LOT 72 I.T.
(NOT PART OF THIS PLAT)

REM. PORT. LOT 17 I.T.
(NOT PART OF THIS PLAT)

LOT 46 I.T.
(NOT PART OF THIS PLAT)

P.O.B.

BLOCK 1
BLOCK 2
BLOCK 3
BLOCK 4
BLOCK 5
BLOCK 6

WERNER ST
MACDUFF ST
MACDUFF ST

10' UTILITY EASEMENT
20' UTILITY EASEMENT
60' UTILITY EASEMENT

S41°41'03"E 57.80'
S56°07'55"E 50.80'
S56°39'37"E 70.98'
N33°20'23"E 80.00'
S56°39'37"E 79.02'
N47°05'25"E 70.57'
S34°42'25"E 140.00'
N55°17'35"E 446.63'
S0°11'36"E 606.76'
S0°04'50"E 35.93'
N41°41'03"W 60.00'
N56°07'55"W 62.35'
N33°20'23"E 376.55'
N56°07'55"W 47.76'
N56°07'55"W 0.98'
N56°07'55"W 263.24'
S33°52'05"W 180.00'
S33°52'05"W 178.48'
N56°07'55"W 216.43'
N56°07'55"W 172.15'
S33°52'05"W 110.00'
S33°20'23"W 308.69'
S33°20'23"W 324.60'
N33°20'23"E 102.76'
N33°20'23"E 150.01'
S56°07'55"E 150.01'
S56°07'55"E 198.04'
S56°39'37"E 120.00'
S44°40'58"E 120.00'
N34°43'16"W 120.00'
N55°11'35"W 120.00'
S34°46'37"E 13.16'
S35°19'00"E 5.30'
Δ=10°12'36" R=258.00' L=45.98' CL=45.91' T=23.05' CB=S40°25'19"E
Δ=23°47'43" R=238.00' L=98.84' CL=98.13' T=50.14' CB=S47°12'52"E

SHEET 2 OF 7

DWG: F:\2022\01001-01500\022-01217\40-Design\Survey\SRVY\Final Plat\Drawings\V-FP 022-01217.dwg USER: dbroeker
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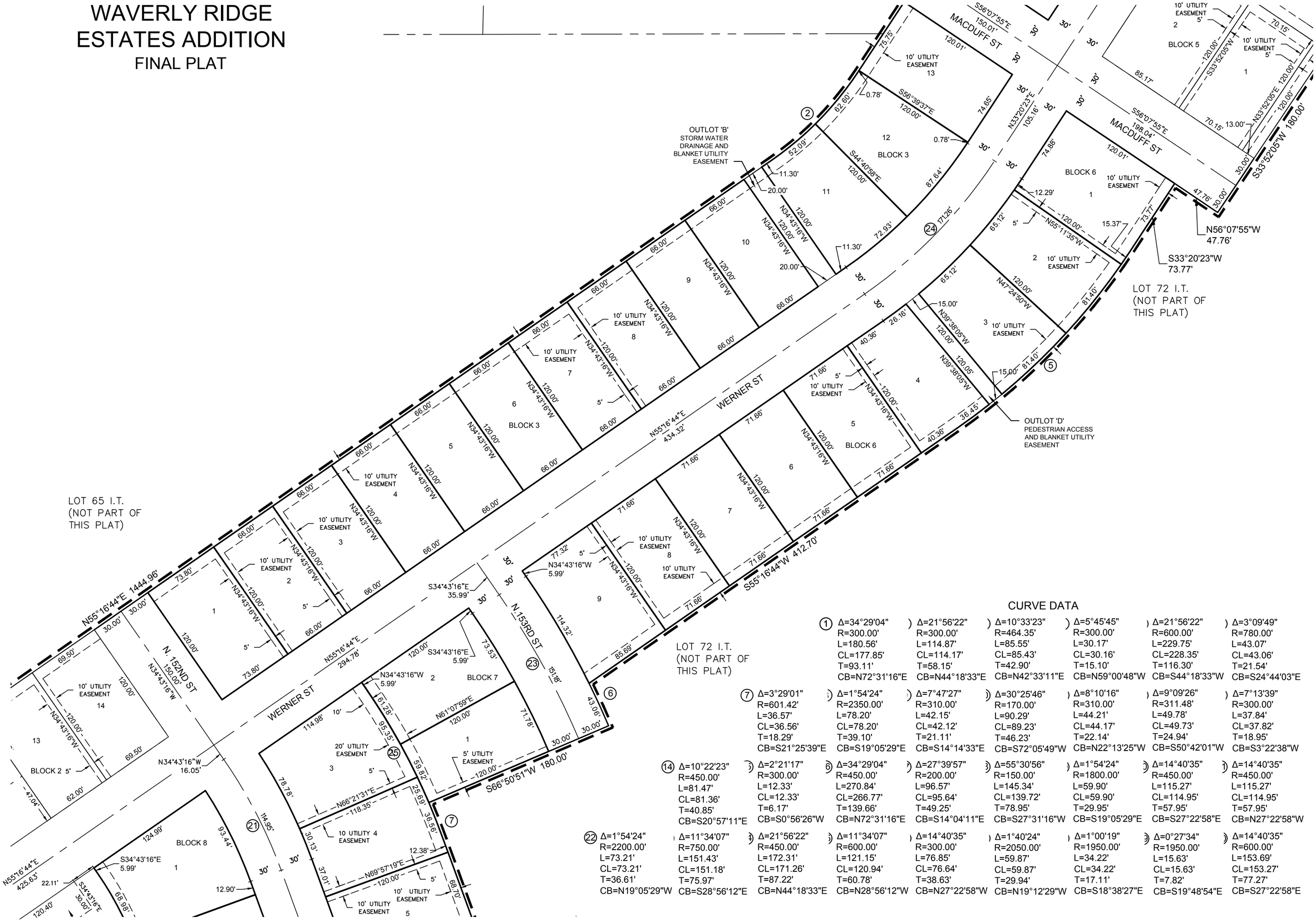
V_XALTA_02201217 C_PBASE_02201217 V_XBNDY_022-01217_SW CORNER OWNERSHIP CHANGE

WAVERLY RIDGE ESTATES ADDITION
FINAL PLAT



CURVE DATA

(1)	Δ=34°29'04"	Δ=21°56'22"	Δ=10°33'23"	Δ=5°45'45"	Δ=21°56'22"	Δ=3°09'49"
	R=300.00'	R=300.00'	R=464.35'	R=300.00'	R=600.00'	R=780.00'
	L=180.56'	L=114.87'	L=85.55'	L=30.17'	L=229.75'	L=43.07'
	CL=177.85'	CL=114.17'	CL=85.43'	CL=30.16'	CL=228.35'	CL=43.06'
	T=93.11'	T=58.15'	T=42.90'	T=15.10'	T=116.30'	T=21.54'
	CB=N72°31'16"E	CB=N44°18'33"E	CB=N42°33'11"E	CB=N59°00'48"W	CB=S44°18'33"W	CB=S24°44'03"E
(7)	Δ=3°29'01"	Δ=1°54'24"	Δ=7°47'27"	Δ=30°25'46"	Δ=8°10'16"	Δ=9°09'26"	Δ=7°13'39"
	R=601.42'	R=2350.00'	R=310.00'	R=170.00'	R=310.00'	R=311.48'	R=300.00'
	L=36.57'	L=78.20'	L=42.15'	L=90.29'	L=44.21'	L=49.78'	L=37.84'
	CL=36.56'	CL=78.20'	CL=42.12'	CL=89.23'	CL=44.17'	CL=49.73'	CL=37.82'
	T=18.29'	T=39.10'	T=21.11'	T=46.23'	T=22.14'	T=24.94'	T=18.95'
	CB=S21°25'39"E	CB=S19°05'29"E	CB=S14°14'33"E	CB=S72°05'49"W	CB=N22°13'25"W	CB=S50°42'01"W	CB=S3°22'38"W
(14)	Δ=10°22'23"	Δ=2°21'17"	Δ=34°29'04"	Δ=27°39'57"	Δ=55°30'56"	Δ=1°54'24"	Δ=14°40'35"	Δ=14°40'35"
	R=450.00'	R=300.00'	R=450.00'	R=200.00'	R=150.00'	R=1800.00'	R=450.00'	R=450.00'
	L=81.47'	L=12.33'	L=270.84'	L=96.57'	L=145.34'	L=59.90'	L=115.27'	L=115.27'
	CL=81.36'	CL=12.33'	CL=266.77'	CL=95.64'	CL=139.72'	CL=59.90'	CL=114.95'	CL=114.95'
	T=40.85'	T=6.17'	T=139.66'	T=49.25'	T=78.95'	T=29.95'	T=57.95'	T=57.95'
	CB=S20°57'11"E	CB=S0°56'26"W	CB=N72°31'16"E	CB=S14°04'11"E	CB=S27°31'16"W	CB=S19°05'29"E	CB=S27°22'58"E	CB=N27°22'58"W
(22)	Δ=1°54'24"	Δ=11°34'07"	Δ=21°56'22"	Δ=11°34'07"	Δ=14°40'35"	Δ=1°40'24"	Δ=1°00'19"	Δ=0°27'34"	Δ=14°40'35"
	R=2200.00'	R=750.00'	R=450.00'	R=600.00'	R=300.00'	R=2050.00'	R=1950.00'	R=1950.00'	R=600.00'
	L=73.21'	L=151.43'	L=172.31'	L=121.15'	L=76.85'	L=59.87'	L=34.22'	L=15.63'	L=153.69'
	CL=73.21'	CL=151.18'	CL=171.26'	CL=120.94'	CL=76.64'	CL=59.87'	CL=34.22'	CL=15.63'	CL=153.27'
	T=36.61'	T=75.97'	T=87.22'	T=60.78'	T=38.63'	T=29.94'	T=17.11'	T=7.82'	T=77.27'
	CB=N19°05'29"W	CB=S28°56'12"E	CB=N44°18'33"E	CB=N28°56'12"W	CB=N27°22'58"W	CB=N19°12'29"W	CB=S18°38'27"E	CB=S19°48'54"E	CB=S27°22'58"E

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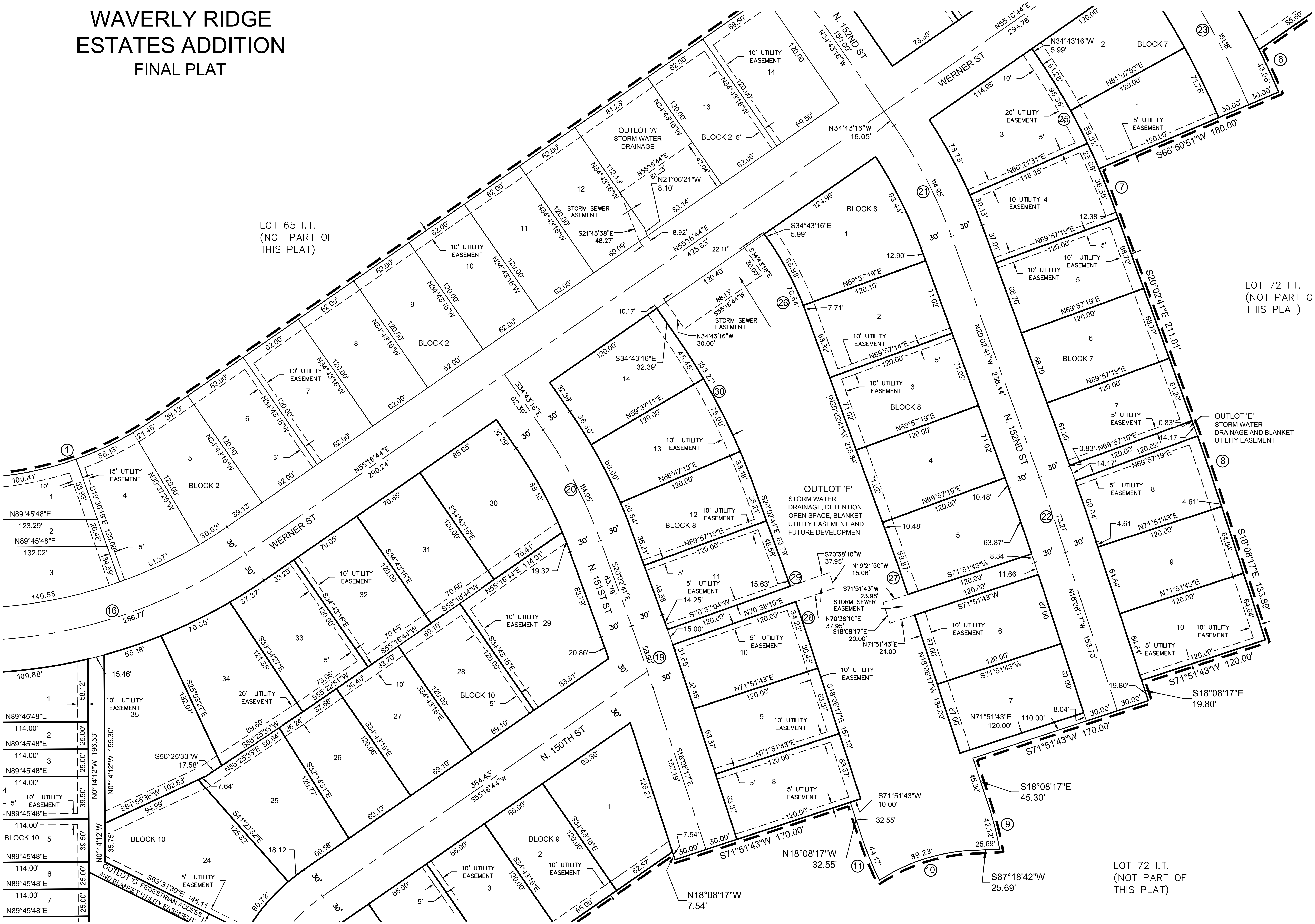
WAVERLY RIDGE ESTATES ADDITION

FINAL PLAT



SHEET 4 OF 7

DWG: F:\2022\01001-01500\022-01217\40-Design\Survey\SRVY\Final Plat\Drawings\V-FP 022-01217.dwg USER: abroeker
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WAVERLY RIDGE ESTATES ADDITION

FINAL PLAT

LOT 65 I.T.
(NOT PART OF
THIS PLAT)

WERNER ST

N. 148TH STREET

KENILWORTH ST

N. 149TH ST

N. 150TH ST

N. 151ST ST

OUTLOT 'F'
STORM WATER DRAINAGE, DETENTION, OPEN SPACE, BLANKET UTILITY EASEMENT AND FUTURE DEVELOPMENT

LOT 72 I.T.
(NOT PART OF
THIS PLAT)

DWG: F:\2022\01001-01500\022-01217\40-Design\Survey\SRVY\Final Plat\Drawings\V-FP 022-01217.dwg USER: abroeker
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WAVERLY RIDGE ESTATES ADDITION

FINAL PLAT

N. 148TH STREET

N0°14'03"W 1518.70'

N. 149TH ST

N. 150TH ST

BLOCK 11

BLOCK 10

BLOCK 9

BLOCK 12

BLOCK 13

JAMESTOWN ST

N85°39'27"W

S89°45'48"W 345.46'

S27°54'10"E 136.25'

S62°05'50"W 177.36'

S26°13'05"E 55.62'

S32°06'29"E 68.18'

S27°54'10"E 68.00'

S22°38'05"E 67.67'

S74°14'01"W 29.93'

S0°05'17"E 129.50'

S89°54'43"W 153.97'

S89°52'15"W 114.02'

N0°16'42"W 89.56'

S0°14'12"E 292.84'

S10°25'21"W 98.10'

S49°09'07"E 26.34'

N60°03'55"W 22.59'

LOT 72 I.T.
(NOT PART OF THIS PLAT)

LOT 72 I.T.
(NOT PART OF THIS PLAT)

LOT 21 I.T.

LOT 59 I.T.

OUTLOT 'H'
RETENTION/DETENTION,
OPEN SPACE

20' SANITARY SEWER EASEMENT
INST. NO. 199826777

DWG: F:\2022\01001-01500\022-01217\40-Design\Survey\SRVY\Final Plat\Drawings\V-FP 022-01217.dwg USER: abroeker
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WAVERLY RIDGE
ESTATES ADDITION
FINAL PLAT

LOT AREA TABLE

BLOCK 1

NUMBER	AREA IN SF.	AREA IN AC.
LOT 1	4,986.21 SQ.FT	0.11 AC.
LOT 2	2,898.44 SQ.FT	0.07 AC.
LOT 3	2,898.47 SQ.FT	0.07 AC.
LOT 4	4,579.64 SQ.FT	0.11 AC.
LOT 5	4,579.71 SQ.FT	0.11 AC.
LOT 6	2,898.58 SQ.FT	0.07 AC.
LOT 7	2,898.61 SQ.FT	0.07 AC.
LOT 8	5,449.45 SQ.FT	0.13 AC.

BLOCK 2

NUMBER	AREA IN SF.	AREA IN AC.
LOT 1	5,119.14 SQ.FT	0.12 AC.
LOT 2	3,191.37 SQ.FT	0.07 AC.
LOT 3	6,797.30 SQ.FT	0.16 AC.
LOT 4	8,383.15 SQ.FT	0.19 AC.
LOT 5	7,784.95 SQ.FT	0.18 AC.
LOT 6	7,440.00 SQ.FT	0.17 AC.
LOT 7	7,440.00 SQ.FT	0.17 AC.
LOT 8	7,440.00 SQ.FT	0.17 AC.
LOT 9	7,440.00 SQ.FT	0.17 AC.
LOT 10	7,440.00 SQ.FT	0.17 AC.
LOT 11	7,440.00 SQ.FT	0.17 AC.
LOT 12	7,432.50 SQ.FT	0.17 AC.
LOT 13	7,440.00 SQ.FT	0.17 AC.
LOT 14	8,340.00 SQ.FT	0.19 AC.

BLOCK 3

NUMBER	AREA IN SF.	AREA IN AC.
LOT 1	8,856.00 SQ.FT	0.20 AC.
LOT 2	7,920.00 SQ.FT	0.18 AC.
LOT 3	7,920.00 SQ.FT	0.18 AC.
LOT 4	7,920.00 SQ.FT	0.18 AC.
LOT 5	7,920.00 SQ.FT	0.18 AC.
LOT 6	7,920.00 SQ.FT	0.18 AC.
LOT 7	7,920.00 SQ.FT	0.18 AC.
LOT 8	7,920.00 SQ.FT	0.18 AC.
LOT 9	7,920.00 SQ.FT	0.18 AC.
LOT 10	7,920.00 SQ.FT	0.18 AC.
LOT 11	8,866.91 SQ.FT	0.20 AC.
LOT 12	9,125.01 SQ.FT	0.21 AC.
LOT 13	9,024.14 SQ.FT	0.21 AC.

BLOCK 4

NUMBER	AREA IN SF.	AREA IN AC.
LOT 1	5,679.16 SQ.FT	0.13 AC.
LOT 2	4,920.00 SQ.FT	0.11 AC.

BLOCK 5

NUMBER	AREA IN SF.	AREA IN AC.
LOT 1	8,418.00 SQ.FT	0.19 AC.
LOT 2	10,286.82 SQ.FT	0.24 AC.

BLOCK 6

NUMBER	AREA IN SF.	AREA IN AC.
LOT 1	10,578.76 SQ.FT	0.24 AC.
LOT 2	8,797.96 SQ.FT	0.20 AC.
LOT 3	8,797.96 SQ.FT	0.20 AC.
LOT 4	8,600.61 SQ.FT	0.20 AC.
LOT 5	8,599.20 SQ.FT	0.20 AC.
LOT 6	8,599.20 SQ.FT	0.20 AC.
LOT 7	8,599.20 SQ.FT	0.20 AC.
LOT 8	8,599.20 SQ.FT	0.20 AC.
LOT 9	9,595.68 SQ.FT	0.22 AC.

BLOCK 7

NUMBER	AREA IN SF.	AREA IN AC.
LOT 1	7,899.16 SQ.FT	0.18 AC.
LOT 2	8,810.77 SQ.FT	0.20 AC.
LOT 3	10,513.53 SQ.FT	0.24 AC.
LOT 4	8,469.44 SQ.FT	0.19 AC.
LOT 5	8,244.00 SQ.FT	0.19 AC.
LOT 6	8,244.00 SQ.FT	0.19 AC.
LOT 7	7,344.00 SQ.FT	0.17 AC.
LOT 8	7,998.48 SQ.FT	0.18 AC.
LOT 9	7,756.80 SQ.FT	0.18 AC.
LOT 10	7,756.80 SQ.FT	0.18 AC.

BLOCK 8

NUMBER	AREA IN SF.	AREA IN AC.
LOT 1	11,121.84 SQ.FT	0.26 AC.
LOT 2	8,522.83 SQ.FT	0.20 AC.
LOT 3	8,522.22 SQ.FT	0.20 AC.
LOT 4	8,522.04 SQ.FT	0.20 AC.
LOT 5	8,682.50 SQ.FT	0.20 AC.
LOT 6	8,040.00 SQ.FT	0.18 AC.
LOT 7	8,040.00 SQ.FT	0.18 AC.
LOT 8	7,604.40 SQ.FT	0.17 AC.
LOT 9	7,604.40 SQ.FT	0.17 AC.
LOT 10	7,606.24 SQ.FT	0.17 AC.
LOT 11	7,622.64 SQ.FT	0.17 AC.
LOT 12	7,808.06 SQ.FT	0.18 AC.
LOT 13	8,105.77 SQ.FT	0.19 AC.
LOT 14	8,795.64 SQ.FT	0.20 AC.

BLOCK 9

NUMBER	AREA IN SF.	AREA IN AC.
LOT 1	9,652.04 SQ.FT	0.22 AC.
LOT 2	7,800.00 SQ.FT	0.18 AC.
LOT 3	7,941.09 SQ.FT	0.18 AC.
LOT 4	8,734.75 SQ.FT	0.20 AC.
LOT 5	13,203.97 SQ.FT	0.30 AC.
LOT 6	8,573.52 SQ.FT	0.20 AC.
LOT 7	8,021.30 SQ.FT	0.18 AC.
LOT 8	7,802.75 SQ.FT	0.18 AC.
LOT 9	8,700.00 SQ.FT	0.20 AC.

BLOCK 10

NUMBER	AREA IN SF.	AREA IN AC.
LOT 1	5,647.42 SQ.FT	0.13 AC.
LOT 2	2,850.00 SQ.FT	0.07 AC.
LOT 3	2,850.00 SQ.FT	0.07 AC.
LOT 4	4,503.00 SQ.FT	0.10 AC.
LOT 5	4,503.00 SQ.FT	0.10 AC.
LOT 6	2,850.00 SQ.FT	0.07 AC.
LOT 7	2,850.00 SQ.FT	0.07 AC.
LOT 8	4,503.00 SQ.FT	0.10 AC.
LOT 9	4,503.00 SQ.FT	0.10 AC.
LOT 10	2,850.00 SQ.FT	0.07 AC.
LOT 11	2,850.00 SQ.FT	0.07 AC.
LOT 12	4,503.00 SQ.FT	0.10 AC.
LOT 13	4,503.00 SQ.FT	0.10 AC.
LOT 14	2,850.00 SQ.FT	0.07 AC.
LOT 15	2,850.00 SQ.FT	0.07 AC.
LOT 16	4,503.00 SQ.FT	0.10 AC.
LOT 17	4,503.00 SQ.FT	0.10 AC.
LOT 18	5,358.00 SQ.FT	0.12 AC.
LOT 19	10,692.00 SQ.FT	0.25 AC.
LOT 20	8,292.00 SQ.FT	0.19 AC.
LOT 21	8,292.00 SQ.FT	0.19 AC.
LOT 22	8,879.95 SQ.FT	0.20 AC.
LOT 23	11,696.08 SQ.FT	0.27 AC.
LOT 24	12,909.12 SQ.FT	0.30 AC.
LOT 25	9,553.01 SQ.FT	0.22 AC.
LOT 26	7,996.52 SQ.FT	0.18 AC.
LOT 27	8,293.35 SQ.FT	0.19 AC.
LOT 28	8,292.00 SQ.FT	0.19 AC.
LOT 29	11,954.61 SQ.FT	0.27 AC.
LOT 30	10,009.34 SQ.FT	0.23 AC.
LOT 31	8,478.00 SQ.FT	0.19 AC.
LOT 32	8,478.00 SQ.FT	0.19 AC.
LOT 33	8,637.10 SQ.FT	0.20 AC.
LOT 34	10,039.74 SQ.FT	0.23 AC.
LOT 35	12,097.77 SQ.FT	0.28 AC.

BLOCK 11

NUMBER	AREA IN SF.	AREA IN AC.
LOT 1	6,271.81 SQ.FT	0.14 AC.
LOT 2	2,898.83 SQ.FT	0.07 AC.
LOT 3	2,898.86 SQ.FT	0.07 AC.
LOT 4	5,402.38 SQ.FT	0.12 AC.
LOT 5	5,402.48 SQ.FT	0.12 AC.
LOT 6	2,898.99 SQ.FT	0.07 AC.
LOT 7	2,899.01 SQ.FT	0.07 AC.
LOT 8	5,402.68 SQ.FT	0.12 AC.
LOT 9	5,402.77 SQ.FT	0.12 AC.
LOT 10	2,899.14 SQ.FT	0.07 AC.
LOT 11	2,899.17 SQ.FT	0.07 AC.
LOT 12	6,273.40 SQ.FT	0.14 AC.

BLOCK 12

NUMBER	AREA IN SF.	AREA IN AC.
LOT 1	10,208.18 SQ.FT	0.23 AC.
LOT 2	7,680.34 SQ.FT	0.18 AC.
LOT 3	7,832.32 SQ.FT	0.18 AC.
LOT 4	8,074.64 SQ.FT	0.19 AC.

BLOCK 13

NUMBER	AREA IN SF.	AREA IN AC.
LOT 1	10,820.68 SQ.FT	0.25 AC.
LOT 2	7,888.53 SQ.FT	0.18 AC.
LOT 3	7,888.53 SQ.FT	0.18 AC.
LOT 4	7,888.53 SQ.FT	0.18 AC.
LOT 5	7,888.53 SQ.FT	0.18 AC.

OUTLOTS

NUMBER	AREA IN SF.	AREA IN AC.
OUTLOT 'A'	9,755.56 SQ.FT	0.22 AC.
OUTLOT 'B'	2,400.00 SQ.FT	0.06 AC.
OUTLOT 'C'	380,491.20 SQ.FT	8.73 AC.
OUTLOT 'D'	1,800.23 SQ.FT	0.04 AC.
OUTLOT 'E'	1,800.06 SQ.FT	0.04 AC.
OUTLOT 'F'	66,713.526 SQ.FT	1.53 AC.
OUTLOT 'G'	5,148.24 SQ.FT	0.12 AC.
OUTLOT 'H'	122,687.69 SQ.FT	2.82 AC.

RESOLUTION NUMBER 24-29

RESOLUTION APPROVING THE WAVERLY RIDGE ESTATES FINAL PLAT

WHEREAS, the Developer, Sean Smetter, dba Smetter Development, LLC, has entered into a Subdivision Agreement with the City of Waverly for the proposed improvements, and

WHEREAS, the Waverly Planning Commission has reviewed the proposed Waverly Ridge Estates Final Plat and is recommending approval, and

WHEREAS, the Waverly City Council has held a public hearing on the Waverly Ridge Estates Preliminary Plat, and

WHEREAS, the Waverly Ridge Estates meets the requirements of the Waverly Comprehensive Plan Subdivision Requirements.

NOW THEREFORE, BE IT RESOLVED BY THE MAYOR AND CITY COUNCIL OF WAVERLY, NEBRASKA that the Waverly Ridge Estates Final Plat is hereby approved and the developer, Smetter Development, LLC can now proceed with the development, and the Final Plat shall be filed with the Lancaster Register of Deeds by the developer.

PASSED AND APPROVED THIS 26TH DAY OF NOVEMBER, 2024.

_____
William D. Gerdes
Mayor

_____
Megan K. Frye
City Clerk/Human Resources Assistant

(SEAL)

F:\2022\01001-01500\022-01217\40-Design\Survey\SRVYY\Final Plat\Drawings\V-ANNEX 022-01217.dwg
DATE: Oct 22, 2024 10:57am USER: abloeker

olsson
601 P Street, Suite 200
P.O. Box 84608
Lincoln, NE 68508
olsson.com
TEL 402.474.6311
FAX 402.474.5063

REV. NO.	DATE	DESCRIPTION

REVISIONS

ANNEXATION

WAVERLY RIDGE ESTATES ADDITION

WAVERLY, NEBRASKA

2024

drawn by: ALB
designed by: ML
project no.: 022-01217
date: 9/25/2024

SHEET 1

LEGAL DESCRIPTION

A TRACT OF LAND COMPOSED OF LOT 71 I.T., LOCATED IN THE WEST HALF OF SECTION 15, TOWNSHIP 11 NORTH, RANGE 8 EAST OF THE 6TH P.M., LANCASTER COUNTY, NEBRASKA, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF THE NORTHWEST QUARTER OF SAID SECTION 15; THENCE, SOUTH, ON THE EAST LINE OF THE SOUTHWEST QUARTER OF SAID SECTION 15, ON AN ASSUMED BEARING OF S00°04'50"E, A DISTANCE OF 35.93' TO A POINT; THENCE N56°07'55"W, A DISTANCE OF 172.15' TO A POINT; THENCE S33°52'05"W, A DISTANCE OF 110.00' TO A POINT; THENCE N56°07'55"W, A DISTANCE OF 0.98' TO A POINT; THENCE S33°52'05"W, A DISTANCE OF 178.48' TO A POINT OF CURVATURE FOR A NON-TANGENT CURVE IN A CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 05°45'45", A RADIUS OF 300.00', AN ARC LENGTH OF 30.17', A CHORD LENGTH OF 30.16', A TANGENT LENGTH OF 15.10', AND A CHORD BEARING OF N59°00'48"W TO A POINT; THENCE N56°07'55"W, A DISTANCE OF 263.24' TO A POINT; THENCE S33°52'05"W, A DISTANCE OF 180.00' TO A POINT; THENCE N56°07'55"W, A DISTANCE OF 47.76' TO A POINT; THENCE S33°20'23"W, A DISTANCE OF 73.77' TO A POINT OF CURVATURE FOR A CURVE IN A CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 21°56'22", A RADIUS OF 600.00', AN ARC LENGTH OF 229.75', A CHORD LENGTH OF 228.35', A TANGENT LENGTH OF 116.30', AND A CHORD BEARING OF S44°18'33"W TO A POINT; THENCE S55°16'44"W, A DISTANCE OF 412.70' TO A POINT OF CURVATURE FOR A NON-TANGENT CURVE IN A CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 03°09'49", A RADIUS OF 780.00', AN ARC LENGTH OF 43.07', A CHORD LENGTH OF 43.06', A TANGENT LENGTH OF 21.54', AND A CHORD BEARING OF S24°44'03"E TO A POINT; THENCE S66°50'51"W, A DISTANCE OF 180.00' TO A POINT OF CURVATURE FOR A NON-TANGENT CURVE IN A CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 03°29'01", A RADIUS OF 601.42', AN ARC LENGTH OF 36.57', A CHORD LENGTH OF 36.56', A TANGENT LENGTH OF 18.29', AND A CHORD BEARING OF S21°25'39"E TO A POINT; THENCE S20°02'41"E, A DISTANCE OF 211.81' TO A POINT OF CURVATURE FOR A CURVE IN A CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 01°54'24", A RADIUS OF 2,350.00', AN ARC LENGTH OF 78.20', A CHORD LENGTH OF 78.20', A TANGENT LENGTH OF 39.10', AND A CHORD BEARING OF S19°05'29"E TO A POINT; THENCE S18°08'17"E, A DISTANCE OF 133.89' TO A POINT; THENCE S71°51'43"W, A DISTANCE OF 120.00' TO A POINT; THENCE S18°08'17"E, A DISTANCE OF 19.80' TO A POINT; THENCE S71°51'43"W, A DISTANCE OF 170.00' TO A POINT; THENCE S18°08'17"E, A DISTANCE OF 45.30' TO A POINT OF CURVATURE FOR A CURVE IN A CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 07°47'27", A RADIUS OF 310.00', AN ARC LENGTH OF 42.15', A CHORD LENGTH OF 42.12', A TANGENT LENGTH OF 21.11', AND A CHORD BEARING OF S14°14'33"E TO A POINT; THENCE S87°18'42"W, A DISTANCE OF 25.69' TO A POINT OF CURVATURE FOR A CURVE IN A COUNTER CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 30°25'46", A RADIUS OF 170.00', AN ARC LENGTH OF 90.29', A CHORD LENGTH OF 89.23', A TANGENT LENGTH OF 46.23', AND A CHORD BEARING OF S72°05'49"W TO A POINT OF CURVATURE FOR A NON-TANGENT CURVE IN A CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 08°10'16", A RADIUS OF 310.00', AN ARC LENGTH OF 44.21', A CHORD LENGTH OF 44.17', A TANGENT

LENGTH OF 22.14', AND A CHORD BEARING OF N22°13'25"W TO A POINT; THENCE N18°08'17"W, A DISTANCE OF 32.55' TO A POINT; THENCE S71°51'43"W, A DISTANCE OF 170.00' TO A POINT; THENCE N18°08'17"W, A DISTANCE OF 7.54' TO A POINT; THENCE S55°16'44"W, A DISTANCE OF 129.70' TO A POINT OF CURVATURE FOR A CURVE IN A CLOCKWISE DIRECTION HAVING A CENTRAL ANGLE OF 09°09'26", A RADIUS OF 311.48', AN ARC LENGTH OF 49.78', A CHORD LENGTH OF 49.73', A TANGENT LENGTH OF 24.94', AND A CHORD BEARING OF S50°42'01"W TO A POINT; THENCE S40°50'53"W, A DISTANCE OF 109.24' TO A POINT; THENCE S10°25'21"W, A DISTANCE OF 98.10' TO A POINT OF CURVATURE FOR A NON-TANGENT CURVE IN A COUNTER CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 07°13'39", A RADIUS OF 300.00', AN ARC LENGTH OF 37.84', A CHORD LENGTH OF 37.82', A TANGENT LENGTH OF 18.95', AND A CHORD BEARING OF S03°22'38"W TO A POINT; THENCE S00°14'12"E, A DISTANCE OF 292.84' TO A POINT; THENCE S89°45'48"W, A DISTANCE OF 345.46' TO A POINT; THENCE S27°54'10"E, A DISTANCE OF 136.25' TO A POINT; THENCE S62°05'50"W, A DISTANCE OF 177.36' TO A POINT; THENCE S26°13'05"E, A DISTANCE OF 55.62' TO A POINT; THENCE S32°06'29"E, A DISTANCE OF 68.18' TO A POINT; THENCE S27°54'10"E, A DISTANCE OF 68.00' TO A POINT; THENCE S22°38'05"E, A DISTANCE OF 67.67' TO A POINT OF CURVATURE FOR A NON-TANGENT CURVE IN A CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 10°22'23", A RADIUS OF 450.00', AN ARC LENGTH OF 81.47', A CHORD LENGTH OF 81.36', A TANGENT LENGTH OF 40.85', AND A CHORD BEARING OF S20°57'11"E TO A POINT; THENCE S74°14'01"W, A DISTANCE OF 29.93' TO A POINT; THENCE S00°05'17"E, A DISTANCE OF 129.50' TO A POINT ON THE NORTH LINE OF LOT 59 I.T.; THENCE S89°54'43"W, ON THE NORTH LINE OF SAID LOT 59 I.T., A DISTANCE OF 153.97' TO A POINT; THENCE N00°16'42"W, ON AN EAST LINE OF SAID LOT 59 I.T., A DISTANCE OF 89.56' TO A POINT; THENCE S89°52'15"W, ON THE NORTH LINE OF SAID LOT 59 I.T. AND THE NORTH LINE OF LOT 21 I.T. A DISTANCE OF 114.02' TO A POINT ON THE EAST RIGHT OF WAY LINE OF NORTH 148TH STREET; THENCE N00°14'03"W, ON THE EAST RIGHT OF WAY LINE OF SAID 148TH STREET, A DISTANCE OF 1518.70 TO A POINT; THENCE N89°45'48"E, A DISTANCE OF 180.78' TO A POINT OF CURVATURE FOR A CURVE IN A COUNTER CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 34°29'04", A RADIUS OF 300.00', AN ARC LENGTH OF 180.56', A CHORD LENGTH OF 177.85', A TANGENT LENGTH OF 93.11', AND A CHORD BEARING OF N72°31'16"E TO A POINT; THENCE N55°16'44"E, A DISTANCE OF 1,444.96' TO A POINT OF CURVATURE FOR A CURVE IN A COUNTER CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 21°56'22", A RADIUS OF 300.00', AN ARC LENGTH OF 114.87', A CHORD LENGTH OF 114.17', A TANGENT LENGTH OF 58.15', AND A CHORD BEARING OF N44°18'33"E TO A POINT; THENCE N33°20'23"E, A DISTANCE OF 376.55' TO A POINT; THENCE N56°07'55"W, A DISTANCE OF 62.35' TO A POINT; THENCE N41°41'03"W, A DISTANCE OF 60.00' TO A POINT OF CURVATURE FOR A NON-TANGENT CURVE IN A COUNTER CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 10°33'23", A RADIUS OF 464.35', AN ARC LENGTH OF 85.55', A CHORD LENGTH OF 85.43', A TANGENT LENGTH OF 42.90', AND A CHORD BEARING OF N42°33'11"E TO A POINT; THENCE S41°41'03"E, A DISTANCE OF 57.80' TO A POINT; THENCE S56°07'55"E, A DISTANCE OF 50.80' TO A POINT; THENCE N33°20'23"E, A DISTANCE OF 102.76' TO A POINT; THENCE S56°39'37"E, A DISTANCE OF 70.98' TO A POINT; THENCE N33°20'23"E, A DISTANCE OF 80.00' TO A POINT; THENCE S56°39'37"E, A DISTANCE OF 79.02' TO A POINT; THENCE N47°05'25"E, A DISTANCE OF 70.57' TO A POINT; THENCE S34°42'25"E, A

DISTANCE OF 140.00' TO A POINT; THENCE N55°17'35"E, A DISTANCE OF 446.63' TO A POINT; THENCE S00°11'36"E, ON THE EAST LINE OF THE NORTHWEST QUARTER OF SAID SECTION 15, A DISTANCE OF 606.76' TO THE POINT OF BEGINNING, SAID TRACT CONTAINS A CALCULATED AREA OF 1,958,234.37 SQUARE FEET OR 44.95 ACRES, MORE OR LESS.

ORDINANCE 24-13

AN ORDINANCE OF THE CITY OF WAVERLY TO ANNEX WAVERLY RIDGE ESTATES, A TRACT OF LAND COMPOSED OF LOT 71 I.T. LOCATED IN THE WEST HALF OF SECTION 15, TOWNSHIP 11 NORTH, RANGE 8 EAST OF THE 6TH P.M., LANCASTER COUNTY, NEBRASKA

BE IT ORDAINED BY THE MAYOR AND CITY COUNCIL OF WAVERLY, NEBRASKA:

Section 1. Whereas, the following described real estate, to wit:

A TRACT OF LAND COMPOSED OF LOT 71 I.T. LOCATED IN THE WEST HALF OF SECTION 15, TOWNSHIP 11 NORTH, RANGE 8 EAST OF THE 6TH P.M., LANCASTER COUNTY, NEBRASKA, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF THE NORTHWEST QUARTER OF SAID SECTION 15; THENCE, SOUTH, ON THE EAST LINE OF THE SOUTHWEST QUARTER OF SAID SECTION 15, ON AN ASSUMED BEARING OF S00°04'50"E, A DISTANCE OF 35.93' TO A POINT; THENCE N56°07'55"W, A DISTANCE OF 172.15' TO A POINT; THENCE S33°52'05"W, A DISTANCE OF 110.00' TO A POINT; THENCE N56°07'55"W, A DISTANCE OF 0.98' TO A POINT; THENCE S33°52'05"W, A DISTANCE OF 178.48' TO A POINT OF CURVATURE FOR A NON-TANGENT CURVE IN A CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 05°45'45", A RADIUS OF 300.00', AN ARC LENGTH OF 30.17', A CHORD LENGTH OF 30.16', A TANGENT LENGTH OF 15.10', AND A CHORD BEARING OF N59°00'48"W TO A POINT; THENCE N56°07'55"W, A DISTANCE OF 263.24' TO A POINT; THENCE S33°52'05"W, A DISTANCE OF 180.00' TO A POINT; THENCE N56°07'55"W, A DISTANCE OF 47.76' TO A POINT; THENCE S33°20'23"W, A DISTANCE OF 73.77' TO A POINT OF CURVATURE FOR A CURVE IN A CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 21°56'22", A RADIUS OF 600.00', AN ARC LENGTH OF 229.75', A CHORD LENGTH OF 228.35', A TANGENT LENGTH OF 116.30', AND A CHORD BEARING OF S44°18'33"W TO A POINT; THENCE S55°16'44"W, A DISTANCE OF 412.70' TO A POINT OF CURVATURE FOR A NON-TANGENT CURVE IN A CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 03°09'49", A RADIUS OF 780.00', AN ARC LENGTH OF 43.07', A CHORD LENGTH OF 43.06', A TANGENT LENGTH OF 21.54', AND A CHORD BEARING OF S24°44'03"E TO A POINT; THENCE S66°50'51"W, A DISTANCE OF 180.00' TO A POINT OF CURVATURE FOR A NON-TANGENT CURVE IN A CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 03°29'01", A RADIUS OF 601.42', AN ARC LENGTH OF 36.57', A CHORD LENGTH OF 36.56', A TANGENT LENGTH OF 18.29', AND A CHORD BEARING OF S21°25'39"E TO A POINT; THENCE S20°02'41"E, A DISTANCE OF 211.81' TO A POINT OF CURVATURE FOR A CURVE IN A CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 01°54'24", A RADIUS OF 2,350.00', AN ARC LENGTH OF 78.20', A CHORD LENGTH OF 78.20', A TANGENT LENGTH OF 39.10', AND A CHORD BEARING OF S19°05'29"E TO A POINT; THENCE S18°08'17"E, A DISTANCE OF 133.89' TO A POINT; THENCE S71°51'43"W, A DISTANCE OF 120.00' TO A POINT; THENCE S18°08'17"E, A DISTANCE OF 19.80' TO A POINT; THENCE S71°51'43"W, A DISTANCE OF 170.00' TO A POINT; THENCE S18°08'17"E, A DISTANCE OF 45.30' TO A POINT OF CURVATURE FOR A CURVE IN A CLOCKWISE DIRECTION, HAVING A

CENTRAL ANGLE OF 07°47'27", A RADIUS OF 310.00', AN ARC LENGTH OF 42.15', A CHORD LENGTH OF 42.12', A TANGENT LENGTH OF 21.11', AND A CHORD BEARING OF S14°14'33"E TO A POINT; THENCE S87°18'42"W, A DISTANCE OF 25.69' TO A POINT OF CURVATURE FOR A CURVE IN A COUNTER CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 30°25'46", A RADIUS OF 170.00', AN ARC LENGTH OF 90.29', A CHORD LENGTH OF 89.23', A TANGENT LENGTH OF 46.23', AND A CHORD BEARING OF S72°05'49"W TO A POINT OF CURVATURE FOR A NON-TANGENT CURVE IN A CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 08°10'16", A RADIUS OF 310.00', AN ARC LENGTH OF 44.21', A CHORD LENGTH OF 44.17', A TANGENT LENGTH OF 22.14', AND A CHORD BEARING OF N22°13'25"W TO A POINT; THENCE N18°08'17"W, A DISTANCE OF 32.55' TO A POINT; THENCE S71°51'43"W, A DISTANCE OF 170.00' TO A POINT; THENCE N18°08'17"W, A DISTANCE OF 7.54' TO A POINT; THENCE S55°16'44"W, A DISTANCE OF 129.70' TO A POINT OF CURVATURE FOR A CURVE IN A CLOCKWISE DIRECTION HAVING A CENTRAL ANGLE OF 09°09'26", A RADIUS OF 311.48', AN ARC LENGTH OF 49.78', A CHORD LENGTH OF 49.73', A TANGENT LENGTH OF 24.94', AND A CHORD BEARING OF S50°42'01"W TO A POINT; THENCE S40°50'53"W, A DISTANCE OF 109.24' TO A POINT; THENCE S10°25'21"W, A DISTANCE OF 98.10' TO A POINT OF CURVATURE FOR A NON-TANGENT CURVE IN A COUNTER CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 07°13'39", A RADIUS OF 300.00', AN ARC LENGTH OF 37.84', A CHORD LENGTH OF 37.82', A TANGENT LENGTH OF 18.95', AND A CHORD BEARING OF S03°22'38"W TO A POINT; THENCE S00°14'12"E, A DISTANCE OF 292.84' TO A POINT; THENCE S89°45'48"W, A DISTANCE OF 345.46' TO A POINT; THENCE S27°54'10"E, A DISTANCE OF 136.25' TO A POINT; THENCE S62°05'50"W, A DISTANCE OF 177.36' TO A POINT; THENCE S26°13'05"E, A DISTANCE OF 55.62' TO A POINT; THENCE S32°06'29"E, A DISTANCE OF 68.18' TO A POINT; THENCE S27°54'10"E, A DISTANCE OF 68.00' TO A POINT; THENCE S22°38'05"E, A DISTANCE OF 67.67' TO A POINT OF CURVATURE FOR A NON-TANGENT CURVE IN A CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 10°22'23", A RADIUS OF 450.00', AN ARC LENGTH OF 81.47', A CHORD LENGTH OF 81.36', A TANGENT LENGTH OF 40.85', AND A CHORD BEARING OF S20°57'11"E TO A POINT; THENCE S74°14'01"W, A DISTANCE OF 29.93' TO A POINT; THENCE S00°05'17"E, A DISTANCE OF 129.50' TO A POINT ON THE NORTH LINE OF LOT 59 I.T.; THENCE S89°54'43"W, ON THE NORTH LINE OF SAID LOT 59 I.T., A DISTANCE OF 153.97' TO A POINT; THENCE N00°16'42"W, ON AN EAST LINE OF SAID LOT 59 I.T., A DISTANCE OF 89.56' TO A POINT; THENCE S89°52'15"W, ON THE NORTH LINE OF SAID LOT 59 I.T. AND THE NORTH LINE OF LOT 21 I.T. A DISTANCE OF 114.02' TO A POINT ON THE EAST RIGHT OF WAY LINE OF NORTH 148TH STREET; THENCE N00°14'03"W, ON THE EAST RIGHT OF WAY LINE OF SAID 148TH STREET, A DISTANCE OF 1518.70 TO A POINT; THENCE N89°45'48"E, A DISTANCE OF 180.78' TO A POINT OF CURVATURE FOR A CURVE IN A COUNTER CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 34°29'04", A RADIUS OF 300.00', AN ARC LENGTH OF 180.56', A CHORD LENGTH OF 177.85', A TANGENT LENGTH OF 93.11', AND A CHORD BEARING OF N72°31'16"E TO A POINT; THENCE N55°16'44"E, A DISTANCE OF 1,444.96' TO A POINT OF CURVATURE FOR A CURVE IN A COUNTER CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 21°56'22", A RADIUS OF 300.00', AN ARC LENGTH OF 114.87', A CHORD LENGTH OF 114.17', A TANGENT LENGTH OF 58.15', AND A CHORD BEARING OF N44°18'33"E TO A POINT; THENCE N33°20'23"E, A DISTANCE OF 376.55' TO A POINT; THENCE N56°07'55"W, A DISTANCE OF 62.35' TO A POINT; THENCE N41°41'03"W, A DISTANCE OF 60.00' TO A POINT OF CURVATURE FOR A NON-TANGENT CURVE IN A COUNTER CLOCKWISE DIRECTION, HAVING A CENTRAL ANGLE OF 10°33'23", A RADIUS OF 464.35', AN ARC LENGTH OF 85.55', A CHORD LENGTH OF 85.43', A TANGENT LENGTH OF 42.90', AND A CHORD BEARING OF

N42°33'11"E TO A POINT; THENCE S41°41'03"E, A DISTANCE OF 57.80' TO A POINT; THENCE S56°07'55"E, A DISTANCE OF 50.80' TO A POINT; THENCE N33°20'23"E, A DISTANCE OF 102.76' TO A POINT; THENCE S56°39'37"E, A DISTANCE OF 70.98' TO A POINT; THENCE N33°20'23"E, A DISTANCE OF 80.00' TO A POINT; THENCE S56°39'37"E, A DISTANCE OF 79.02' TO A POINT; THENCE N47°05'25"E, A DISTANCE OF 70.57' TO A POINT; THENCE S34°42'25"E, A DISTANCE OF 140.00' TO A POINT; THENCE N55°17'35"E, A DISTANCE OF 446.63' TO A POINT; THENCE S00°11'36"E, ON THE EAST LINE OF THE NORTHWEST QUARTER OF SAID SECTION 15, A DISTANCE OF 606.76' TO THE POINT OF BEGINNING, SAID TRACT CONTAINS A CALCULATED AREA OF 1,958,234.37 SQUARE FEET OR 44.95 ACRES, MORE OR LESS.

NOW THEREFORE BE IT ORDAINED BY THE MAYOR AND CITY COUNCIL OF WAVERLY, NEBRASKA AS FOLLOWS:

That the property, as heretofore described be and the same is hereby included within the boundaries and territory of the City of Waverly, Lancaster County, Nebraska, and said lands and persons residing thereon shall hereafter be subject to all the rules, regulations, ordinances, taxes, and all other burdens and benefits of the other persons and real estate included within the City of Waverly, Lancaster County, Nebraska.

Section 2. That any ordinance in conflict with this ordinance is hereby repealed.

Section 3. This ordinance shall be in full force and take effect from and after its passage, approval, and publication according to the law.

PASSED AND APPROVED THIS _____ DAY OF _____, 202__.

_____
William D. Gerdes
Mayor

ATTEST:

_____
Megan K. Frye
City Clerk/Human Resources Assistant (SEAL)