

WATER MAIN REPLACEMENT to serve AURORA PARK CITY OF BEL AIRE, KANSAS

Anne Stephens, P.E. City Engineer

GENERAL NOTES:

1. The Contractor shall comply with all applicable safety regulations. All construction shall be completed following City of Bel Aire Standard Specifications approved on April 22, 2014 under KOHE Project No. PW005577.

2. Contractor will be required to provide notice to utility companies a minimum of seventy-two (72) hours prior to any excavation, as follows:

Kansas One-Call 687-2470

The Contractor must notify the following in case of an emergency:

AT&T 1-800-246-6464
City of Bel Aire Public Works 1-316-746-2988
Cox Communications 1-888-249-3530
Energy 1-800-544-4857
Kansas Gas Service 1-888-482-4950

3. Utility lines, poles, etc. are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically call for their removal by the Contractor. The Contractor shall be responsible for obtaining all necessary permits for construction. The Contractor shall be responsible for obtaining all necessary permits for construction. The Contractor shall be responsible for obtaining all necessary permits for construction.

4. Rubble from the removal of miscellaneous structures and excess excavation which is to be wasted shall be disposed of on sites to be provided by the Contractor. These sites shall be approved by the Engineer as to suitability, appearance and site location. The Contractor shall be responsible for obtaining all necessary permits for construction. The Contractor shall be responsible for obtaining all necessary permits for construction. The Contractor shall be responsible for obtaining all necessary permits for construction.

5. Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor with the Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.

6. The Contractor shall give all property owners and/or tenants of developed property notice of the construction of this project a minimum of ten (10) days before the start of construction.

7. The Contractor shall be responsible for preserving property lines. The Contractor shall be required to re-establish any property lines which are disturbed by the construction. The Contractor shall be responsible for obtaining all necessary permits for construction. The Contractor shall be responsible for obtaining all necessary permits for construction.

8. The City Engineer shall have water valves field located one line from the centerline of the water main. The Contractor shall be responsible for obtaining all necessary permits for construction. The Contractor shall be responsible for obtaining all necessary permits for construction. The Contractor shall be responsible for obtaining all necessary permits for construction.

9. If traffic will be impacted by construction, a traffic control plan shall be submitted to the City Engineer for approval. The Contractor shall be responsible for obtaining all necessary permits for construction. The Contractor shall be responsible for obtaining all necessary permits for construction. The Contractor shall be responsible for obtaining all necessary permits for construction.

10. All elevations shown are NAVD 83.

11. All areas disturbed during construction that will not be under proposed pavement shall be restored to match existing conditions.

12. Opening and closing of water valves shall be done slowly to prevent damage to the water distribution system from water hammer. All valves closed by the Contractor must be reopened and checked for proper operation. The Contractor shall be responsible for obtaining all necessary permits for construction. The Contractor shall be responsible for obtaining all necessary permits for construction.

13. The Contractor shall install a Tracer Wire and Soil Test Stations along all water pipe installed in accordance with City Specifications and Tracer Wire Detail on detail sheet 2, cost is

Subsidiary to pipe installation. Tracer Wire for Water Main shall be installed by Contractor with Inspector on Site prior to Final Acceptance. Subsidiary to the bid item for "Contractor Provided Testing".

14. The Contractor shall provide materials for temporary blowoff of waterlines. Connections to the existing waterline(s) shall be made with clean, swabbed pipe and flushed upon completion of tie-ins.

15. Requests for short term water interruptions shall be made to the City Engineer and will be subject to their approval. The Contractor shall give written notice to any property owner, business, and/or tenants that will have water service interrupted. The Contractor shall be responsible for obtaining all necessary permits for construction. The Contractor shall be responsible for obtaining all necessary permits for construction.

16. The Contractor shall schedule the connections to the existing main with the City such that there is a minimum disruption of service. Connections shall be made during periods of low water use. The Contractor shall be responsible for obtaining all necessary permits for construction. The Contractor shall be responsible for obtaining all necessary permits for construction.

17. Definitions at pipe joint or couplings shall not exceed the pipe diameter. The Contractor shall be responsible for obtaining all necessary permits for construction. The Contractor shall be responsible for obtaining all necessary permits for construction. The Contractor shall be responsible for obtaining all necessary permits for construction.

18. Any existing joint exposed during excavation shall be replaced if within four feet of proposed water main joint.

19. The Contractor shall protect from damage and support existing utilities through construction as approved by the utility owner and the Engineer at the Contractor's expense.

20. Contractor shall limit the extent of trench openings overnight and weekends to less than 50 feet.

21. Any excess dirt that is generated from the installation of the water main shall be wasted at an off-site location to be designated by contractor and approved by the field engineer.

22. Contractor shall be responsible for providing testing in accordance with City of Bel Aire Specifications. The contractor shall coordinate testing so that the construction observer and/or City of Bel Aire is present at the time of testing. Final testing of tracers shall be done with the Contractor. Construction testing shall be done with the Contractor. Construction testing shall be done with the Contractor.

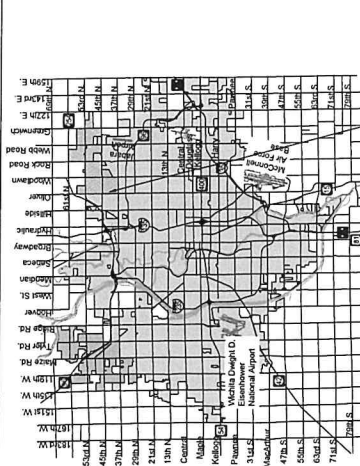
23. The project will be bid as open-cut with an alternate bid for trenchless installation. The Contractor shall be responsible for obtaining all necessary permits for construction. The Contractor shall be responsible for obtaining all necessary permits for construction. The Contractor shall be responsible for obtaining all necessary permits for construction.

24. The cost to remove and replace/set items indicated in these notes shall be included in the bid item for "Site Restoration" unless quantified in the bid item.

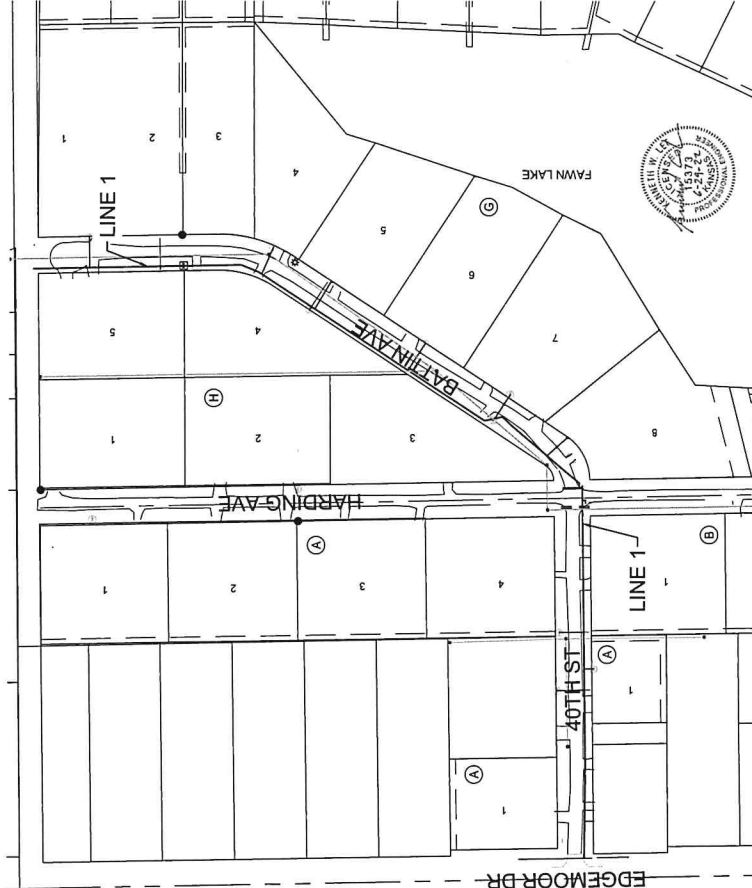
Benchmarks

BENCHMARK #1: CURB ON THE WEST SIDE OF HARDING AVE., 32' NORTH OF THE CENTERLINE OF 37TH ST. N. ELEVATION = 1373.06 (NAVD83, G18)

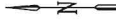
BENCHMARK #2: CHISELED SQUARE ON THE TOP OF CURB AT THE NORTH CURB RETURN AT THE NORTHEAST CORNER OF 30TH ST. N. AND PARKWOOD LN. ELEVATION = 1386.51 (NAVD83, G18)



Vicinity Map
PROJECT LOCATION



SHEET INDEX	
SHEET	TITLE
1	TITLESHEET
2	WATER ASSEMBLY DETAILS
3	WATER SERVICE DETAILS
4	WATERLINE 1 (1 OF 4)
5	WATERLINE 1 (2 OF 4)
6	WATERLINE 1 (3 OF 4)
7	WATERLINE 1 (4 OF 4)
8	COORDINATE MAP



PLAN SET REVIEWED BY	10/27/2021
SIGNATURE	DATE

JUNE 2022
PLANS PREPARED BY



NOTE: All coordinates listed are modified NAD83 Kansas State Plane Zone 10 North. The NAD83 Kansas State Plane Zone South coordinates multiply the northing and easting by the project scale factor of 0.99997428. Elevation datum is NAVD83 Geoid 12B unless otherwise noted.

IMPROVEMENT DISTRICT