



STAFF REPORT

DATE: January 25, 2022
TO: Ty Lasher, City Manager
FROM: Anne Stephens, Public Works Director and City Engineer
RE: 47th Street Reconstruction Bids

Proposal Focus:

Our Mission

- Attractive growth and safe living – Encourage attractive neighborhoods and new developments.

Our Values

- Working Together – Departments working together as one team. Staff working with residents, HOA's and neighborhoods. Citizens working with each other.

Current Situation:

The City has identified 47th Street as in need of reconstruction.

Goals:

- To work with the Developer to grow the City in an attractive, safe manner that is consistent with City standards.

Discussion:

The reconstruction of 47th Street was in the street plan for 2021. City staff worked with Garver to develop a reconstruction plan and bid tab. The solicitation requested four different prices:

1. Base bid of concrete paving
2. Alternate #1 – asphalt paving
3. Alternate #2 – concrete paving with additional 100' of concrete paving east of the spillway.
4. Alternate #3 – asphalt paving with additional 100' of asphalt paving east of the spillway.

Eight contractors, who frequently bid on City paving projects, were invited to bid on this project. Three contractors responded to the solicitation. The results are provided below.

Contractor	Base Bid	Alternate 1	Alternate 2	Alternate 3
Cornejo	\$278,630.21	\$200,519.21	\$306,340.21	\$217,145.21
Pearson	\$206,291.00	\$156,584.00	\$226,829.00	\$169,624.00
Kansas Paving	\$199,324.00	\$166,186.00	\$223,774.00	\$182,812.00

Financials:

The cost of these improvements will be paid for from the CIP Funds from 2021. The initial estimate for this project was \$275,000.

Recommendation:

There is a 24.02% difference between the cost of the concrete and asphalt options for the base bid and a 27.53% difference between the cost of the concrete and asphalt options on the expanded portion of the project with the additional pavement east of the spillway. Kansas Paving was the low bidder on both concrete options and Pearson Construction was the low bidder on both asphalt options.

Given that 47th Street is one of the main access points to Woodlawn from the Bel Aire Heights neighborhood, it is staff's recommendation that Council award Alternate #2 – the replacement of 47th Street plus the additional pavement east of the spillway to Kansas Paving.

47th Street Reconstruction
Bel Aire, Kansas - Bid Tabulation
1/25/2022

Base Bid - Concrete Pavement

				Cornejo		Pearson		Kansas Paving	
Item No.	Description	Quantity	Unit	Price	Extension	Price	Extension	Price	Extension
1	Mobilization	1	LS	\$ 25,000.00	\$ 25,000.00	\$ 6,000.00	\$ 6,000.00	\$ 500.00	\$ 500.00
2	Site Clearing	1	LS	\$ 2,500.00	\$ 2,500.00	\$ 6,000.00	\$ 6,000.00	\$ 20,500.00	\$ 20,500.00
3	Site Restoration	1	LS	\$ 2,500.00	\$ 2,500.00	\$ 1,750.00	\$ 1,750.00	\$ 1,000.00	\$ 1,000.00
4	Milling/Removal 7" AC Pavement	2531	SY	\$ 12.00	\$ 30,372.00	\$ 6.00	\$ 15,186.00	\$ 9.00	\$ 22,779.00
5	Remove 7" Conc. Valley Gutter	113	SY	\$ 11.00	\$ 1,243.00	\$ 9.00	\$ 1,017.00	\$ 9.00	\$ 1,017.00
6	Remove Curb & Gutter	66	LF	\$ 5.50	\$ 363.00	\$ 5.00	\$ 330.00	\$ 10.00	\$ 660.00
7	Sawcut Existing Pavement	108	LF	\$ 6.50	\$ 702.00	\$ 2.00	\$ 216.00	\$ 1.50	\$ 162.00
8	AC Pavement 7" (5" Bit. Base) (BM-2)	23	SY	\$ 78.00	\$ 1,794.00	\$ 91.00	\$ 2,093.00	\$ 40.00	\$ 920.00
9	6" Reinforced Concrete Pavement	2367	SY	\$ 62.00	\$ 146,754.00	\$ 48.00	\$ 113,616.00	\$ 40.00	\$ 94,680.00
10	7" Concrete Valley Gutter	273	SY	\$ 80.00	\$ 21,840.00	\$ 67.00	\$ 18,291.00	\$ 60.00	\$ 16,380.00
11	Curb & Gutter, Monolithic (6")	128	LF	\$ 4.00	\$ 512.00	\$ 6.00	\$ 768.00	\$ 2.00	\$ 256.00
12	5" Reinforced Crushed Rock Base	2677	SY	\$ 10.00	\$ 26,770.00	\$ 7.00	\$ 18,739.00	\$ 10.00	\$ 26,770.00
13	Hydroseeding, Fescue	100	SY	\$ 1.50	\$ 150.00	\$ 13.00	\$ 1,300.00	\$ 1.00	\$ 100.00
14	Erosion Control BMP's	1	LS	\$ 630.21	\$ 630.21	\$ 385.00	\$ 385.00	\$ 500.00	\$ 500.00
15	Traffic Control	1	LS	\$ 4,000.00	\$ 4,000.00	\$ 6,000.00	\$ 6,000.00	\$ 500.00	\$ 500.00
Measured Out of Scope Bid Items									
16	Remove & Replace Unsuitable Material	100	SY	\$ 35.00	\$ 3,500.00	\$ 18.00	\$ 1,800.00	\$ 25.00	\$ 2,500.00
17	Remove & Replace Conc. Driveway	1000	SF	\$ 7.00	\$ 7,000.00	\$ 10.50	\$ 10,500.00	\$ 7.50	\$ 7,500.00
18	Curb & Gutter, Combined (6")	100	LF	\$ 30.00	\$ 3,000.00	\$ 23.00	\$ 2,300.00	\$ 26.00	\$ 2,600.00
Total Base Bid					\$ 278,630.21		\$ 206,291.00		\$ 199,324.00

Alternate Bid #1 - Asphalt Pavement

Base Bid (from Above)				\$ 278,630.21		\$ 206,291.00		\$ 199,324.00
Deduct 6" Reinforced Concrete Pavement	2367	SY	\$ (62.00)	\$ (146,754.00)	\$ (48.00)	\$ (113,616.00)	\$ (40.00)	\$ (94,680.00)
Add AC Pavement 7" (5" Bit. Base)(BM-2)	2367	SY	\$ 29.00	\$ 68,643.00	\$ 27.00	\$ 63,909.00	\$ 26.00	\$ 61,542.00
Total Alternate Bid #1				\$ 200,519.21		\$ 156,584.00		\$ 166,186.00

Alternate Bid #2 - Base Bid Plus Replacement of Pavement East of Pond Overflow

Base Bid (from Above)				\$ 278,630.21		\$ 206,291.00		\$ 199,324.00
Mill/Remove 7" AC Pavement	326	SY	\$ 12.00	\$ 3,912.00	\$ 6.00	\$ 1,956.00	\$ 13.00	\$ 4,238.00
6" Reinforced Concrete Pavement	326	SY	\$ 63.00	\$ 20,538.00	\$ 50.00	\$ 16,300.00	\$ 48.00	\$ 15,648.00
5" Reinforced Crushed Rock Base	326	SY	\$ 10.00	\$ 3,260.00	\$ 7.00	\$ 2,282.00	\$ 14.00	\$ 4,564.00
Total Alternate Bid #2				\$ 306,340.21		\$ 226,829.00		\$ 223,774.00

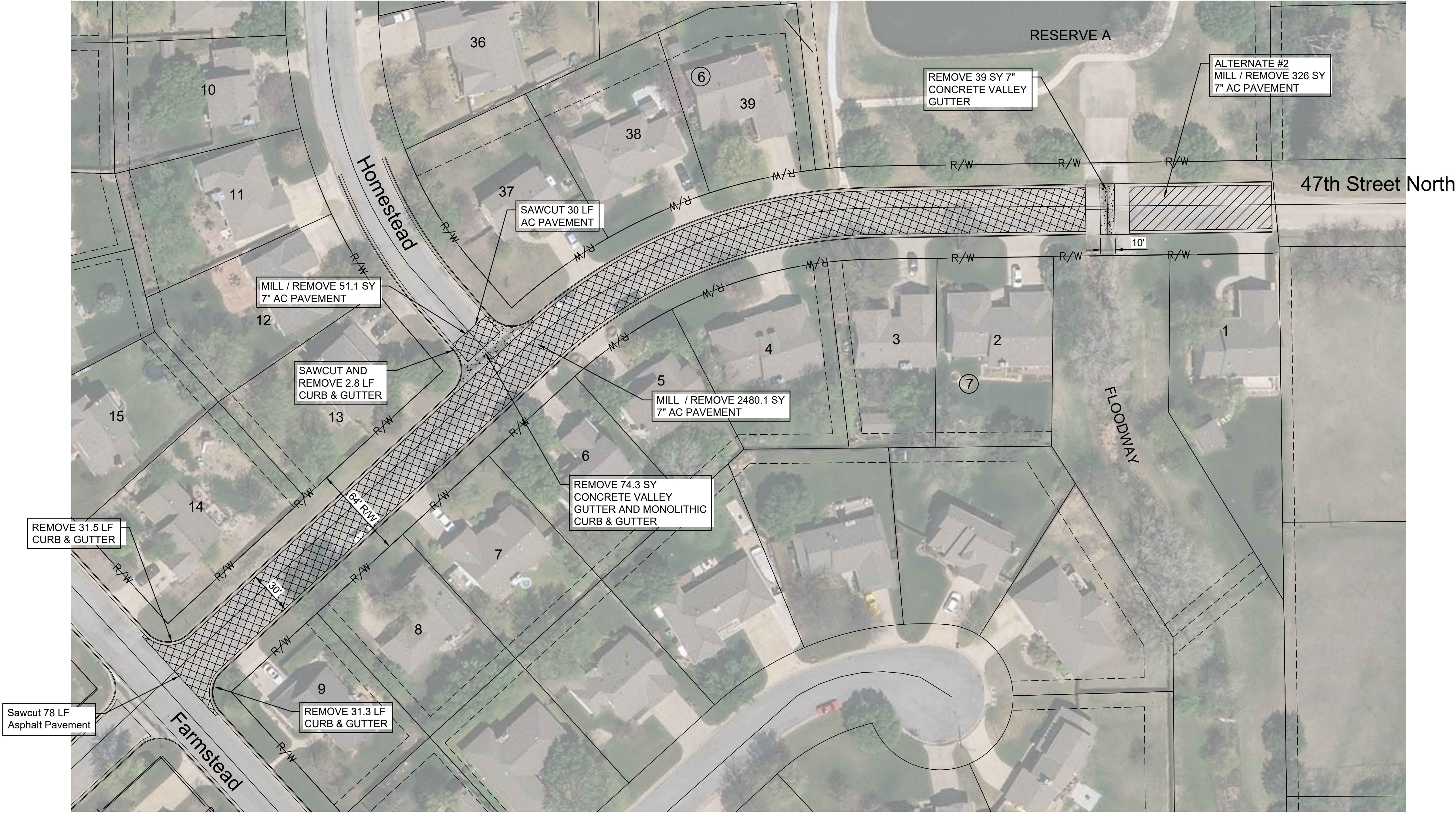
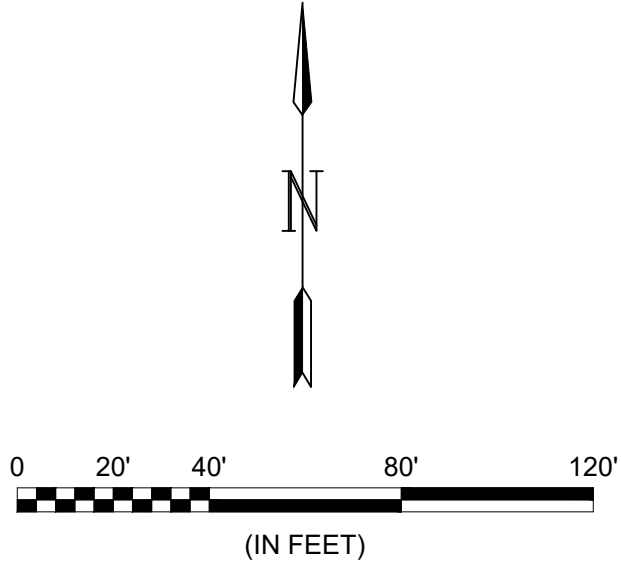
Alternate Bid #3 - Asphalt Pavement Plus Replacement of Pavement East of Pond Overflow

Base Bid (From Above)				\$ 278,630.21		\$ 206,291.00		\$ 199,324.00
Deduct 6" Reinforced Concrete Pavement	2367	SY	\$ (62.00)	\$ (146,754.00)	\$ (48.00)	\$ (113,616.00)	\$ (40.00)	\$ (94,680.00)
Mill/Remove 7" AC Pavement (from Above)	326	SY	\$ 12.00	\$ 3,912.00	\$ 6.00	\$ 1,956.00	\$ 13.00	\$ 4,238.00
AC Pavement 7" (5" Bit. Base) (BM-2)	2693	SY	\$ 29.00	\$ 78,097.00	\$ 27.00	\$ 72,711.00	\$ 26.00	\$ 70,018.00
5" Reinforced Crushed Rock Base	326	SY	\$ 10.00	\$ 3,260.00	\$ 7.00	\$ 2,282.00	\$ 12.00	\$ 3,912.00
Total Alternate Bid #3				\$ 217,145.21		\$ 169,624.00		\$ 182,812.00

SITE CLEARING AND REMOVAL NOTES

1. QUANTITIES SHOWN ON THIS PLAN ARE ESTIMATES. FINAL PAYMENT WILL BE BASED ON MEASURED QUANTITIES.
2. THE CONTRACTOR CAN CHOOSE TO EITHER MILL OR REMOVE EXISTING PAVEMENT. PAYMENT FOR THIS BID ITEM SHALL INCLUDE ALL COST FOR FULL DEPTH REMOVAL OF THE EXISTING PAVEMENT BETWEEN THE HIGH EDGES OF THE CURBS.
3. IT IS THE INTENT OF THE PROJECT FOR EXISTING CURB, DRIVEWAYS AND LANDSCAPING TO REMAIN UNDISTURBED UNLESS OTHERWISE NOTED IN THE PLANS. THE CONTRACTOR SHALL PERFORM A PRECONSTRUCTION WALKTHROUGH OF THE PROJECT WITH THE CITY OF BEL AIRE AND DOCUMENT ANY PROPOSED ADDITIONAL CURB AND GUTTER OR DRIVEWAY REMOVAL AND REPLACEMENT PRIOR TO CONSTRUCTION. THAT WORK WILL BE PAID BASED ON THE UNIT PRICES SHOWN IN THE BID FORM.
4. IF EXISTING CURB OR DRIVEWAYS ARE DAMAGED DURING CONSTRUCTION, THE CONTRACTOR WILL REPLACE THE DAMAGED PAVEMENT AND CURB AT NO COST TO THE CITY OR PROPERTY OWNERS.
5. THE CONTRACTOR SHALL OVER-EXCAVATE THE ROADWAY AND VALLEY GUTTER AREAS AS NECESSARY TO INSTALL THE NEW PAVEMENT AND CRUSHED ROCK BASE. PAVEMENT, EXCESS MATERIAL AND CONSTRUCTION DEBRIS TO BE DISPOSED OF AT AN OFFSITE LOCATION PROVIDED BY THE CONTRACTOR. COST OF EXCAVATION AND DISPOSAL OF PAVEMENT, MILLINGS, EXCAVATED MATERIAL AND DEBRIS SHALL BE SUBSIDIARY TO THE BID ITEM FOR "MILL / REMOVE 7" AC PAVEMENT".

6. SAWCUTS FOR REMOVALS SHOWN ON THIS PLAN SHALL BE AT LEAST HALF THE DEPTH OF THE PAVEMENT AND SHALL BE FIELD ADJUSTED TO THE NEAREST JOINT IF THE EXISTING JOINT IS WITHIN 4' OF THE PROPOSED LOCATION.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING/REPLACING ANY IRRIGATION SYSTEMS THAT ARE DAMAGED THROUGH THE COURSE OF THE PROJECT. SUBSIDIARY TO THE BID ITEM FOR "SITE CLEARING".
8. CHANGE ORDERS FOR WORK MUST BE APPROVED IN WRITING BY THE CITY OF BEL AIRE PRIOR TO THE WORK BEING DONE. NO ADDITIONAL PAYMENT WILL BE MADE FOR REMOBILIZATION FOR ITEMS WITH SET UNIT PRICES IN THE BID FORM.



City of
Bel Aire
WWW.BELAIRES.KS.GOV

7651 Central Park Ave.
Bel Aire, KS 67226
(316) 744-2451

BY				
DESCRIPTION				
DATE				
REV.				

CITY OF BEL AIRE
BEL AIRE, KANSAS

47TH STREET PAVING REPLACEMENT
FARMSTEAD TO EAST LINE OF
KAPPELMAN'S BEL AIRE HEIGHTS

Removal
Plan

JOB NO.: .
DATE: .
DESIGNED BY: .
DRAWN BY: .

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ORIGINAL DRAWING

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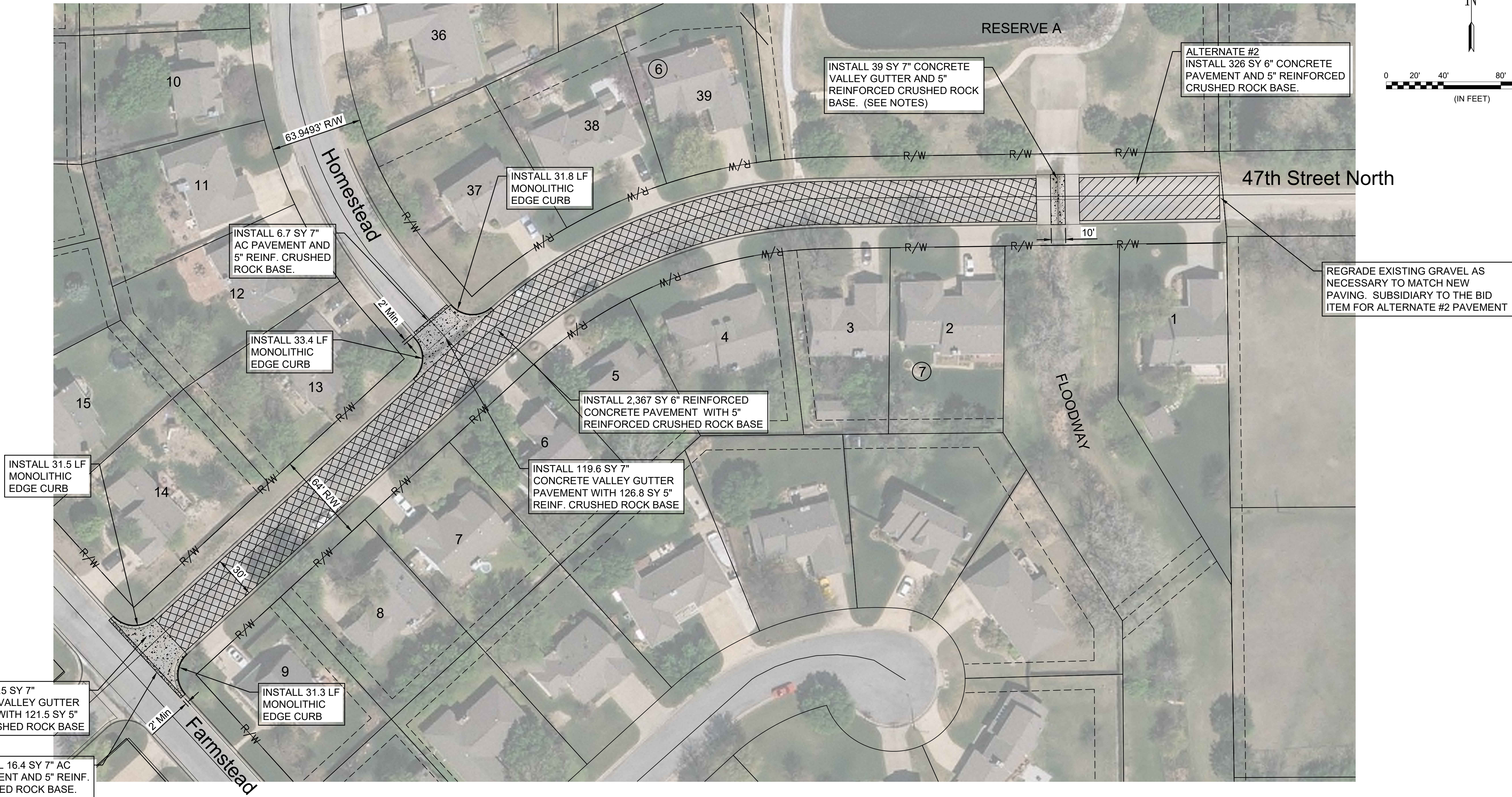
SHEET
NUMBER **1** OF **5**

PAVEMENT INSTALLATION NOTES

- QUANTITIES SHOWN ON THIS PLAN ARE ESTIMATES. FINAL PAYMENT WILL BE BASED ON MEASURED QUANTITIES.
- LONGITUDINAL CONCRETE PAVEMENT JOINTS SHALL HAVE 10' SPACING WITH NO CENTERLINE JOINT. SPACING FOR TRANSVERSE JOINTS SHALL BE NOMINALLY 10' BUT NO MORE THAN 12'
- REINFORCED CRUSHED ROCK BASE SHALL BE INSTALLED TO ONE FOOT (1') BEHIND BACK OF CURB IN VALLEY GUTTER AREAS. IN ALL OTHER AREAS, ROCK BASE SHALL BE INSTALLED AS CLOSE TO THE EXISTING CURB AS POSSIBLE.
- THE CONTRACTOR SHALL OVER-EXCAVATE THE ROADWAY AND VALLEY GUTTER AREAS AS NECESSARY TO INSTALL THE NEW PAVEMENT AND CRUSHED ROCK BASE. REMOVED MATERIAL AND CONSTRUCTION DEBRIS TO BE DISPOSED OF AT AN OFFSITE LOCATION PROVIDED BY THE CONTRACTOR. COST OF EXCAVATION AND DISPOSAL OF PAVEMENT AND SUBGRADE MATERIAL TO BE SUBSIDIARY TO THE BID ITEM FOR PAVEMENT REMOVAL.
- A BID ITEM FOR "REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL" HAS BEEN INCLUDED FOR USE IN AREAS WHERE SUBGRADE CONDITIONS REQUIRE ADDITIONAL MATERIAL REMOVAL. THE BID ITEM WILL PAY FOR REMOVAL OF UNSTABLE MATERIAL UP TO TWELVE INCHES (12") IN DEPTH AND FILLED WITH CRUSHED CONCRETE OR ROCK. FOR INSTANCES WHERE REMOVAL IS DEEPER THAN 12", THE ADDITIONAL AREA OF EXTRA DEPTH WILL BE TABULATED AS ADDITIONAL SQUARE YARDS OF REMOVAL.
- THE CONTRACTOR SHALL INSTALL THE NEW PAVEMENT TO MATCH THE LINE AND GRADE OF THE EXISTING PAVEMENT. ANY VARIATIONS FROM THIS REQUIREMENT MUST BE APPROVED BY THE CITY ENGINEER. CONSTRUCTION SURVEYING WILL BE SUBSIDIARY TO THE PAVEMENT INSTALLED.

- TESTING SHALL BE SUBSIDIARY TO BID ITEMS FOR WHICH DIRECT PAYMENT IS MADE. TESTING SHALL BE REQUIRED AS FOLLOWS:
 - VISUAL PROOFROLL OF SUBGRADE (WITH REPRESENTATIVE FROM CITY)
 - ONE (1) COMPACTION TEST PER 1000 SY OF SUBGRADE (95% STANDARD PROCTOR)
 - CONCRETE CYLINDERS: ONE SET PER DAY OR ONE SET PER 1000 SY OF CONCRETE
 - ASPHALT LOAD TICKETS
 - ASPHALT PLANT TEST CERTIFICATION REPORTS
- GRASSED AND LANDSCAPED AREAS DISTURBED FOR THE CONSTRUCTION OF VALLEY GUTTER PAVEMENT SHALL BE REGRADED TO MATCH NEW PAVEMENT AND HYDROSEEDING WITH FESCUE SEED WITHIN 14 DAYS OF THE COMPLETION OF THE PROJECT. COST OF REGRADEING TO BE SUBSIDIARY TO THE BID ITEM FOR "CONCRETE VALLEY GUTTER PAVEMENT (7")
- THE CONTRACTOR SHALL PREPARE A PROJECT PHASING/TRAFFIC CONTROL PLAN PRIOR TO COMMENCING WORK. TRAFFIC CONTROL AND DEVICES SHALL COMPLY WITH THE LATEST VERSION OF THE MUTCD. PROJECT PHASING SHALL BE CONFIGURED TO RESTRICT ACCESS TO NO MORE THAN SIX HOMES AT ONE TIME. CONTRACTOR SHALL PERFORM WORK IN A MANNER THAT WILL ALLOW RESIDENTS TO REACH HOMES OUTSIDE OF DAYTME CONSTRUCTION HOURS. THE PHASING WILL BE DONE IN A MANNER THAT ALL PAVEMENT REMOVED DURING WORK CAN BE REPLACED PRIOR TO PLANTS SHUTTING DOWN AT THE END OF THE YEAR. COST TO REMOBILIZE AND REPLACE TEMPORARY PAVEMENT SHALL BE SUBSIDIARY TO THE BID ITEMS FOR "SITE CLEARING" AND "SITE RESTORATION"
- THE CONTRACTOR SHALL COORDINATE WITH THE BEL AIRE POLICE DEPARTMENT, USPS, WASTE MANAGEMENT, USD 259 AND SEDGWICK COUNTY EMERGENCY SERVICES TO MINIMIZE INTERRUPTIONS OF SERVICE DURING CONSTRUCTION.

- THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF BEL AIRE TO HOLD A PUBLIC INFORMATION MEETING A MINIMUM OF TEN (10) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION. THE MEETING WILL BE HELD AT A LOCATION TO BE DETERMINED BY THE CITY OF BEL AIRE. THE CONTRACTOR WILL PROVIDE INFORMATION TO THE PUBLIC REGARDING MAIL SERVICE, TRASH SERVICE AND SITE ACCESS FOR RESIDENTS DURING CONSTRUCTION.
- ALTERNATE #1 SHALL USE 7" AC PAVEMENT IN LIEU OF 6" REINFORCED CONCRETE PAVEMENT. ALTERNATE #2 WILL REMOVE AND REPLACE PAVEMENT EAST OF THE POND CROSSING AS INDICATED ON THIS SHEET. ALTERNATE #3 SHALL INCLUDE THE USE OF 7" AC PAVEMENT AND THE REPLACEMENT OF THE PAVEMENT EAST OF THE POND CROSSING.
- ROLLER COMPACTED CONCRETE PAVEMENT WILL BE AN ACCEPTED MATERIAL FOR THE CONCRETE PAVEMENT BASE BID.
- NO TIED OR DOWEL BARS SHALL BE INSTALLED BETWEEN THE EXISTING CURB AND NEW CONCRETE PAVEMENT.
- THE CITY OF BEL AIRE RESERVES THE RIGHT TO ACCEPT OR REJECT ANY AND ALL ALTERNATIVES AND WILL REVIEW THE BIDS TO DETERMINE WHICH BID PROVIDES THE BEST OVERALL BENEFIT TO THE CITY.



REV.	DATE	DESCRIPTION	BY

CITY OF BEL AIRE BEL AIRE, KANSAS	47TH STREET PAVING REPLACEMENT FARMSTEAD TO EAST LINE OF KAPPELMA'S BEL AIRE HEIGHTS
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Proposed
Improvements

JOB NO.: .
DATE: .
DESIGNED BY: .
DRAWN BY: .

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ORIGINAL DRAWING
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IF NOT ONE INCH ON THIS SHEET,
ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER

SHEET
NUMBER **2** OF **5**