

City Administrator Report to Mayor & City Council

2017-09-08, Edition No. 279

WEEKLY UPDATE:

- Mississippi Drive: Project staff met Thursday, September 6th, 8:30 a.m. at Contrary Brewing with the Business Owners along the Mississippi Drive Construction Project. The purpose of this meeting was to explain the updated construction schedule (including access to businesses).
- 38/61 Corridor: As I noted last night with the WDS TIF and additional interest in the area, we may have an opportunity to collect additional TIF for street infrastructure to begin the corridor (street). We also have funds in our sewer extension reserve to bring sewer into the area (up from Mad Creek) and then create or expand the current benefit district to reimburse the city at hook up. Hope to have a draft concept to you soon.
- CSO: Attached is the West Hill Phase 4 - Opinion of Probable Construction Cost and current phases.
- CSO: Attached please find the August 2017 West Hill Projects progress report. Karmen K. Heim, P.E., Senior Environmental Engineer, Stanley Consultants
- Projects: Quick project status:
 - Wiggins Road Trail: As of Partial Payment #5 (turned in last week): 52.0% complete on a \$ 1,198,197.00 Contract.
 - WHAS&SSSP-3C (CSO): As of Partial Payment #11 (turned in last week): 57.05% complete on a \$ 2,010,907.60 Contract.
 - Cleveland Street: As of Partial Payment #1 (turned in last week): 13.030% complete on a \$ 403,889.10 Contract.
 - Mississippi Drive: As of Partial Payment #7 (turned in last week): 24.63% complete on a \$ 8,010,348.50 Contract.
- Landfill: During construction of the leachate storage lagoon at the landfill it was discovered that the soils that were being excavated were not consistent with the soils that had been previously tested from this area. Because of this accurate compaction density could not be tested. Due to the fact that the liner company is scheduled to be on-site tomorrow (September 7) there is no time to sample soils and run more tests which may either confirm or deny that the soils are suitable for compaction. The landfill already has a known source of acceptable material that can be used for liner base layer and will meet compaction requirements. In order to make this work a change order will be necessary to pay the contractor to remove the soil in the lagoon area that cannot be re-used and stockpile it on site. An additional change order will be needed to excavate and haul the approved soil from the borrow area at the south end of the landfill property and place and compact it in the lagoon area. The total cost for both change orders is expected to be \$9,000. The contractor needed an answer ASAP today (September 6) in order to meet the schedule of placing the liner in the leachate lagoon tomorrow. The contractor will proceed and the change orders will come forward at a future council meeting.

West Hill Phase 4 - Opinion of Probable Construction Cost - Concept Estimate

Project	Phase 4			Total / Running Total
	2018 4A	2019 4B	2020 4C	
	7th St	8th - Cedar to Linn	8th - Linn to Broadway	
Baseline -PH4	\$ 2,357,755	\$ 2,202,430	\$ 2,166,010	\$ 6,726,195

Location	To	From	DWG	Ft of Sewer	Type of Sewer	Optional Project Purpose
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Selected Option - A3		\$ 130,363	\$ -	\$ 6,856,559
Selected Option - A4		\$ 163,085	\$ -	\$ 7,019,644
Selected Option - A6		\$ 90,906		\$ 7,110,550
Allowance - Low Spot			\$ 40,000	\$ 7,150,550

Pine	8th	7th	CU24	226	San	Sanitary services
Sycamore	7th	8th	CU22	289	San	Sanitary services
Chestnut	Alley #7	8th	CU55	201	ST	storm sewer condition
8th	Near Spruce					Low Spot Private Prop - Bronner's Pond

Total of PH4 with all Selected Options included	\$ 2,357,755	\$ 2,586,785	\$ 2,206,010	\$ 7,150,550
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Notes

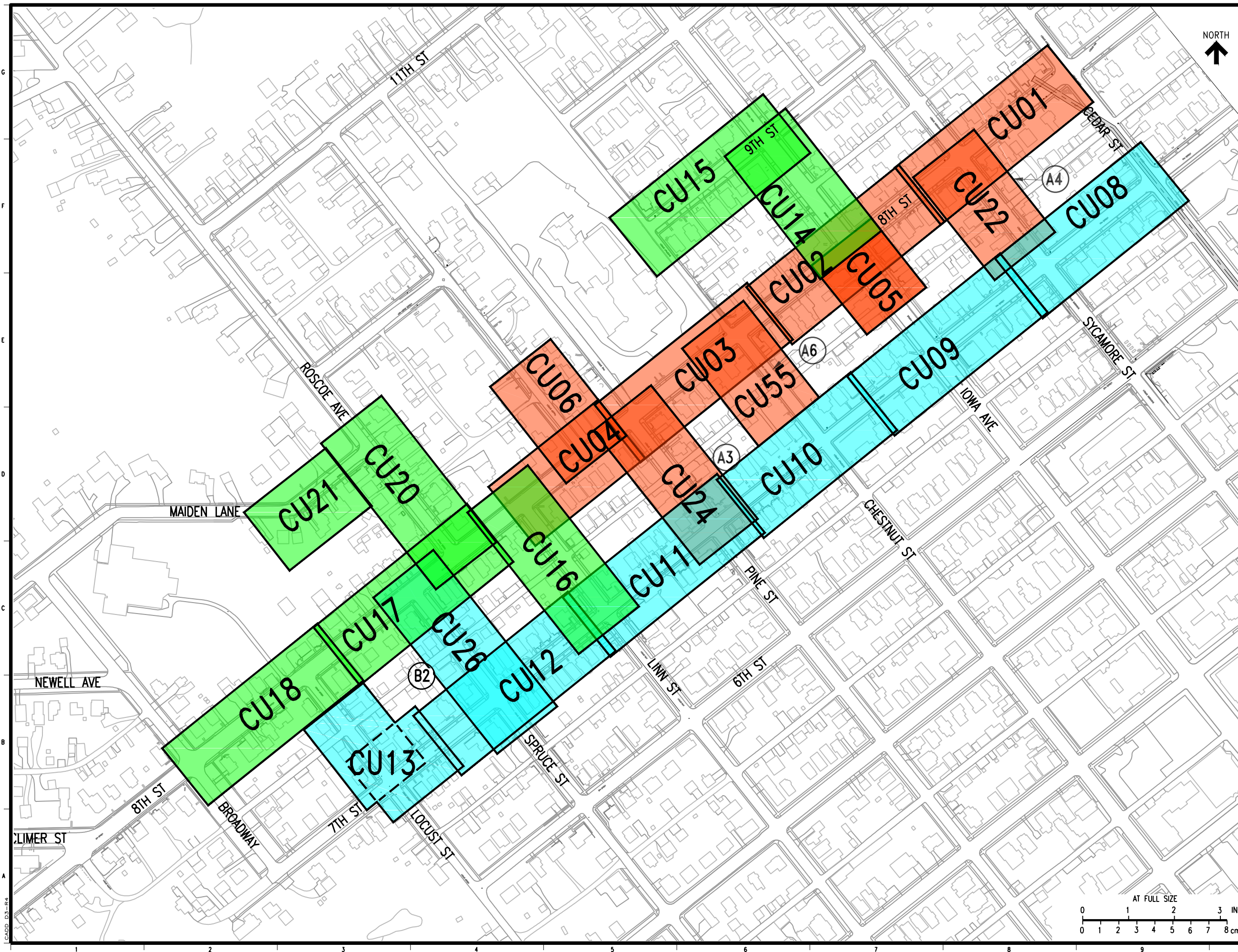
1	Separation Improvements on 8th Street between Lucas and Climer that were to be included in 4C will be postponed to future phase 5.
2	7th Street pavement replacement includes in baseline cost upgrading the street width in some locations from 27' to 31'
3	Full width street replacement included with replacement section of 8" PCC over 8" aggregate base at all locations. 8th Street is 10" PCC over 6" aggregate base.
4	Separation improvements priced in baseline cost include new Storm Sewer on Fuller to Alley #8 (A2 Cost =\$90K)
5	Cost Options outlined above do not include alternative approaches to Fuller Street storm water management
6	Phase 8th (Cedar) includes 1540' of 18" Storm sewer on 8th St that is in addition to the original concept.
7	Phase 7th St - includes 277' of san sewer on Spruce St that is in addition to the original concept
8	Aggregate base under PCC roadway includes 1' past back of curb for construction convenience
9	Sod quantity includes all parkway area between roadway and sidewalk in additon to 5' beyond the sidewalk where sidewalk was shown as replacement.
10	Santiary sewer backfill computations assume 10' depth and trench with 1 trench box - 69 SF/LF of pipe
11	Estimate includes allowance for material handling/grading/compaction in ravine for the same volume of material as select backfill/mansand.
12	City has indicated they will consider surface improvements on Pine Street (between 8th & Alley #8) and Fuller (Alley #8 to Vanhorne) to complete needed separation.
13	Revisions to the concept estimate were made based on City provided input at Meeting 7-11-2017 and follow up direction.
14	A \$40K Allowance has been listed for improvements for replacing MH, 100' of piping, & surface restoration - toward the private property low spot near 507 W 8th St.
15	Includes 40' width on 8th Street between Cedar and Broadway. Includes 28' width on Fuller - 8th to Alley #8.
16	Note Revisions made on 8-3-17 include swapping the order of 7th St and 8th St (Cedar) projects, and removing Iowa/9th work (\$430K) from 7th St project to PH 4C.

Basis of Estimate

This rough order of magnitude construction cost estimate is prepared to form the basis for budget authorization, appropriation, and/or funding. Concept Engineering has been completed to a 20-30% design level based on the topographic survey collected.

Concept Engineering Plans dated 06-23-2017 have been produced and show preliminary plan and profile and preliminary pavement removal limits.

This is the first of the project estimates used to assist with project budgeting. More detailed estimates will replace this estimate as design proceeds to completion.



GENERAL NOTES



LEGEND

- 4A
- 4B
- 4C
- A4 ACCEPTED OPTIONS

PRELIMINARY ISSUE
FOR REVIEW
NOT FOR CONSTRUCTION
08-03-2017

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

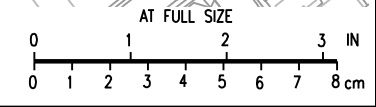


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CITY OF MUSCATINE - PHASE 4
WEST HILL AREA SANITARY AND STORM SEWER SEPARATION
MUSCATINE, IOWA

**FIGURE 1
SANITARY SEWER
PROPOSED WORK**

DESIGNED: <u>KK HEIM</u>	SCALE: AS NOTED
DRAWN: <u>GM REEVES</u>	NO. 17660.40.00
CHECKED: _____	REV. _____
APPROVED: _____	CU00
DATE: _____	A





PROJECT STATUS REPORT

Project Name: City of Muscatine - West Hill Sewer Separation **Month:** August 2017
Prepared By: Stanley Consultants **Project Number:** SCI: 17660: 30.02, 40.00, 41.00
"PHASE" refers to Design Package/Construction Contract

Progress for Last Month (August 2017):

PHASE 3 (Phase 3A, 3B, 3C):

Phase 3A/3B/3C – Construction:

- Attended periodic phase 3C construction progress meetings

PHASE 4 Concept Design:

- Met August 2 with Nancy and Gregg to discuss proceeding to final design with Phase 4.
- Attended Aug 1 Utility meeting
- Revised estimate – swapped Phase 4A and 4B. Moved improvements from Iowa/9th Street area to Phase 4C.
- Received authorization from City to proceed with final design of Phase 4 all sub-phases 4A, 4B, 4C.

Phase 4 Final Design:

- Began final design
- Met with City to discuss design approach to surface restoration design – Aug 29
- Communicated with DNR and established DNR project manager – Marty Jacobs

MPW Coordination:

- Met with MPW separately at their request to discuss providing a proposal for engineering services to perform the design of water main in the West Hill Phase 4 project area.

Work Items for Coming Month (September 2017):

PHASE 3 (3A, 3B, 3C) - Construction:

- Attend Phase 3C coordination meetings.
- Assist as requested with construction topics.

PHASE 4 – Final Design:

- Continue design tasks and seek city input as needed.
- Schedule for Phase 4
 - 60% design submittal – Mid October
 - Pre-final – 90% design submittal – before Christmas
 - Final – Signed and Sealed ready to advertise – Mid February
 - Construction of Phase 4A begins – May 2018

Key Issues & Information Required:

- Continued City updates on construction topics including Hagerty dispute.
- City and MPW to determine structure of MPW inclusion in Phase 4 contract.

Critical Information:

- None.