

**SEPTEMBER 6, 2022
WEST MONROE CITY COUNCIL MEETING
ENGINEERING UPDATE
L&A, INC. PROJECT NO. 22E038.00**

Linderman Avenue Street Improvement – City Project No. C22010

- Limits are from south 8th Street to South 10th Street
- Contract amount \$399,061.65
- Under Construction (week of August 29)

West Monroe Commercial Park Utility Extensions – City Project No. C22008

- JABAR was the low bidder at \$591,920.10
- Contract awarded to JABAR
- Materials have arrived, begin work week of September 5

Kiroli Walk Trail Improvements – City Project No. C22002

- In funding agency office, awaiting instruction from agency

Storm Water Pollution Prevention Plan 2022 – City Project No. C22006

- Completed mapping for Terry Emory on water well discharge near Fairlane Drive, ultimately to South Tupawek Bayou

Downtown Utility Relocation, Phase 1 – City Project No. C22021

- Funding application for placing utilities underground within the downtown Cottonport District along Commerce Street from Pine Street to Natchitoches Street
- DRA application submitted June 10, 2022
- DRA ask was \$1,000,000.00, City match was \$308,890.00, Construction Estimate was \$1,294,419.00

Sunshine Heights Drainage Improvements – City Project No. C22024

- Field inspection during storms
- Attached area map
- Identified initial projects for immediate relief, now estimating construction costs
- Continue drainage study for entire area & identify projects

Wood Street Sidewalk Repairs – City Project No. C22025

- Complete

Trenton Street Sidewalk Repairs – City Project No. C22025

- Complete

LCDBG Public Facilities Grant

- Working with Robbie Waxman for grant opportunity of \$1,600,000 for street improvements
- Completed mapping for low to moderate income (LMI), mapping allowed us to narrow a list of streets to focus on a list of streets that will be competitive in receiving full capacity of grant
- Completed initial street inspection for ratings in accordance with grant application

Coleman Avenue Sewer Relocation

- Possible authorization to proceed with final plans on sewer relocation

Good Hope Road Water Main Extension

- Plans are complete
- Plans have been submitted to Department of Health & Department of Transportation
- Permits are approved
- Estimate for construction is \$210,000
- City's decision to advertise or solicit three quotes

Cotton Street Improvements

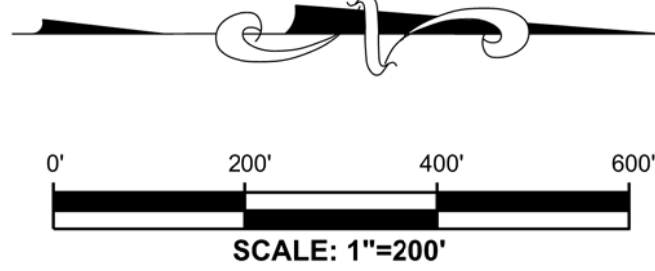
- Estimating costs for street & sidewalk repair for multiple options
- Reviewing & determining grant availability

Site Development Reviews within last month

- None this period

Drainage Impact Reviews within last month

- None this period

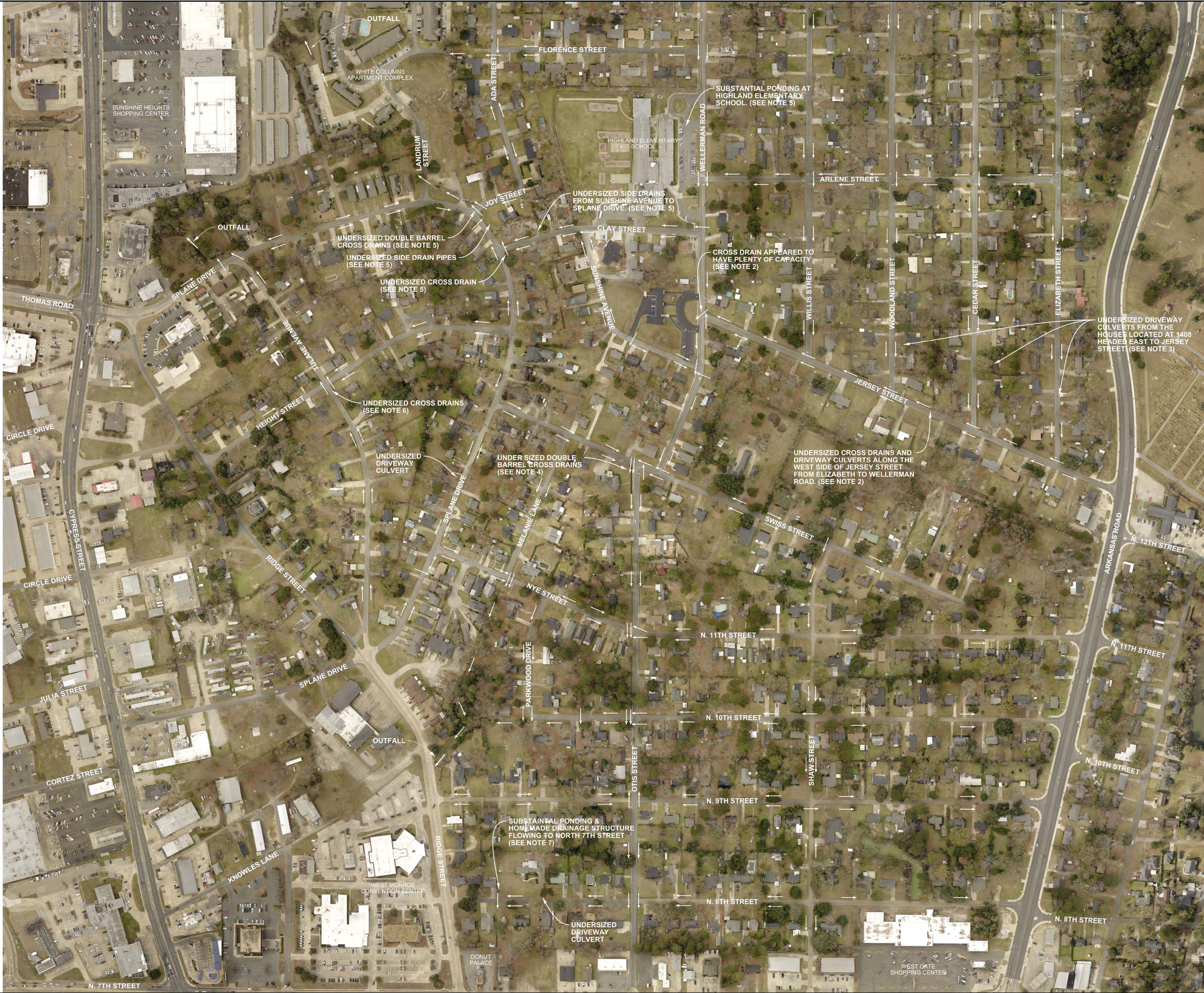


MONROE REGIONAL AIRPORT RAIN GAUGE	
DATE	RAINFALL (INCHES)
08/22/2022	1.07
08/23/2022	4.30
08/24/2022	2.11
08/25/2022	0.76

Δ ALL RAINFALL DATA WAS RECORDED FROM WEATHER UNDERGROUND'S WEBSITE (WUNDERGROUND.COM).

NOTE:

- 1.) ALL DRAINAGE PATTERNS ARE BASED ON FIELD OBSERVATIONS FROM A STORM EVENT ON AUGUST 23, 2022 AND RECONFIRMED ON AUGUST 25, 2022.
- 2.) IT WAS DETERMINED THAT THE MOST IMPORTANT IMPROVEMENT WILL BE TO INCREASE THE CAPACITY OF THE CULVERTS RUNNING ALONG THE WEST SIDE OF JERSEY STREET FROM ELIZABETH STREET TO WELLERMAN ROAD. AS WE TRAVELED SOUTH DOWN JERSEY STREET THE CAPACITY OF THE DITCH AND PIPES IMPROVED. ALTHOUGH THE CROSS DRAIN AT JERSEY AND WELLERMAN HAD CAPACITY TO HANDLE MORE WATER, WHEN DESIGNING THE NEW SIDE DRAINS CAUTION MUST BE USED NOT TO OVERSIZE THE PIPES, WHICH COULD POTENTIALLY CAUSE PROBLEMS DOWN STREAM DUE TO THE FLOW OF WATER INCREASING.
- 3.) THE DRIVEWAY CULVERTS ALONG ELIZABETH, CEDAR, AND WOODLAND STREET FROM THE HOUSES LOCATED AT 1408 TO THE INTERSECTION OF JERSEY STREET ARE ALL UNDERSIZED, THEREFORE CAUSING THE YARDS TO FLOOD AND IN A FEW CASES CAUSING THEIR DRIVEWAYS TO WORK AS A WEIR. ALTHOUGH THIS PROBLEM WILL BE IMPROVED BY INCREASING THE SIZE OF THE CULVERTS ALONG JERSEY STREET, UPSIZING THESE DRIVEWAY CULVERTS IS RECOMMENDED.
- 4.) THE DOUBLE BARREL CROSS DRAINS AT THE CORNER OF SWISS AND OTIS STREET WERE COMPLETELY SUBMERGED ON THE INLET SIDE AND RESTRICTING THE FLOW OF WATER. THE PIPES UPSTREAM AND DOWN STREAM OF THE CROSS DRAINS WERE NOTICEABLY LARGER AND STILL HAD CAPACITY LEFT IN THEM. INCREASING THE SIDE DRAINS ALONG JERSEY STREET (AS MENTIONED IN NOTE 2) WILL INCREASE THE RATE AT WHICH THE WATER ARRIVES TO THESE CROSS DRAINS. UP SIZING THE CROSS DRAINS WILL BE CONTROLLED BY THE WIDTH OF THE ROADSIDE DITCH THAT THEY DISCHARGE INTO AS WELL AS THE SIZE OF THE DOWNSTREAM CULVERTS.
- 5.) SUBSTANTIAL PONDING WAS OBSERVED AT HIGHLAND ELEMENTARY SCHOOL ALONG WELLERMAN ROAD AND CLAY STREET. AFTER FURTHER INVESTIGATION IT WAS DETERMINED THAT THE SIDE DRAINS ON BOTH SIDES OF CLAY STREET FROM THE INTERSECTION OF SUNSHINE TO SPLANE AVENUE, THE CROSS DRAIN AT THE INTERSECTION OF CLAY AND SPLANE, THE TWO SIDE DRAINS ON THE NORTH SIDE OF SPLANE BETWEEN CLAY AND JOY, AS WELL AS THE DOUBLE BARREL CROSS DRAINS AT JOY AND SPLANE ALL NEED TO BE UP SIZED. AS THE WATER FLOWED DOWNSTREAM TOWARDS THE OUTFALL AT WHITE COLUMNS APARTMENT COMPLEX, THE OPEN DITCH AND SYSTEM OF CULVERTS APPEARED TO HAVE PLENTY OF CAPACITY. FURTHER INVESTIGATION WOULD NEED TO BE DONE DOWN STREAM OF THE OUTFALL TO DETERMINE THE EFFECTS OF INCREASING THE RATE OF FLOW ON THE SYSTEM.
- 6.) PONDING WAS OBSERVED BETWEEN TULANE AVENUE AND SPLANE DRIVE. THIS ISSUE APPEARS TO BE CAUSED BY UNDERSIZED CROSS DRAINS AT THE CORNER OF HEIGHT STREET AND TULANE AVENUE.
- 7.) THE HOUSE LOCATED AT 2411 N. 8TH STREET HAD A SIGNIFICANT AMOUNT OF WATER PONDING IN IT'S FRONT YARD. AS THE WATER WAS TRYING TO FLOW EAST THROUGH A SMALL CROSS DRAIN IT WAS BEING RETAINED BY A HOME MADE DRAINAGE STRUCTURE ACROSS THE STREET AT 2402 N. 8TH STREET. THE DRAINAGE CONTRAPTION IS CONSTRUCTED OUT OF CINDER BLOCKS THAT ARE SERVING AS A RETAINING WALL TO POND THE WATER. THE EAST SIDE OF THE CINDER BLOCK RETAINING WALL HAS A SMALL PLASTIC YARD DRAIN PIPE STUBBED INTO IT WHICH ALLOWS THE WATER TO DISCHARGE TOWARDS N. 7TH STREET INTO THE DONUT PALACE PARKING LOT.



REVISIONS

**LAZENBY
& ASSOCIATES, INC.**
CONSULTING ENGINEERS & LAND SURVEYORS
2000 NORTH 7TH STREET WEST MONROE, LOUISIANA 70137-2710



DRAINAGE MAP

**SUNSHINE HEIGHTS
DRAINAGE IMPROVEMENTS,
CITY PROJECT NO. C22024**
CITY OF WEST MONROE
OUACHITA PARISH, LOUISIANA

DESIGNED BY: N.J.S.

CKD BY: H.H.L.

DRWN BY: N.J.S.

CKD BY: H.H.L.

DATE: AUG. 25, 2022

SCALE: 1" = 200'

FILE: drainage.dgn

PROJ NO: 22E045.00

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