


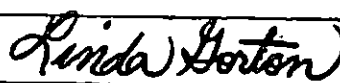


| | | | |
|--|---|------------------------|-----------------------|
| LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT CONTRACT CHANGE ORDER | | DATE: | February 25, 2020 |
| | | Contract Modification: | 2 |
| | | CONTRACT #: | 079-2018 |
| PROJECT: East Hickman Wet Weather Storage Facilities | | | |
| TO: Judy Construction Company | | | |
| Original Contract Amount | | | \$13,152,000.00 |
| Cumulative Amount of Previous Contract Modifications | | | \$942,632.00 |
| Percent Change of Previous Contract Modifications | | | 7% |
| Existing Contract Amount | | | \$14,094,632.00 |
| Net (increase/decrease) in Contract Amount - (From following pages) | | | |
| Percent Change of This Contract Modification | | | 0.00% |
| Original Contract Amount | | | \$13,152,000.00 |
| Cumulative Amount of all Contract Modifications | | | \$942,632.00 |
| Percent Change of all Contract Modifications | | | 7% |
| New Contract Amount Including this Change Order | | | \$14,094,632.00 |
| Recommended by |  | (Project Engineer) | Date <u>3/19/2020</u> |
| Accepted by |  | (Contractor) | Date <u>3/18/2020</u> |
| Accepted by |  | (RMP Program Manager) | Date <u>4/9/2020</u> |
| Approved by | _____ | (Director) | Date: _____ |
| Approved by | _____ | (Commissioner) | Date: _____ |
| Approved by |  | (Mayor or CAO) | Date <u>5/1/2020</u> |

MAYOR LINDA GORTON



LEXINGTON

CHARLES H. MARTIN, P.E.
DIRECTOR
WATER QUALITY

To: Urban County Council
Abigail Allan, Council Clerk

From: Diann Williams DJ
Administrative Specialist Principal for Remedial Measures Program

Date: April 20, 2020

Re: Change Order 2 for East Hickman Wet Weather Storage Facility RMP Project

This memorandum is to notify the Urban County Council of Change Order 2 for the East Hickman Wet Weather Storage Facility Remedial Measures Project. The result of attached Change Order No. 2 is a net increase of 135 calendar days to the contract final completion date. The final completion date will be May 5, 2020. This does not change the amount of the contract.

Should you have any questions, please contact me at 425-2439.

pc: Bob Peterson, P.E., Construction Manager
Charles Martin, P.E., Director of Water Quality
Nancy Albright, Commissioner of Environmental Quality
Todd Slatin, Director of Purchasing
Stacey Maynard, Council Administrator
File



**LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT
CONTRACT MODIFICATION**

DATE: February 28, 2020
 Contract Mod #: 2
 CONTRACT #: 079-2018

Project: East Hickman Wet Weather Storage Facilities

TO: Judy Construction Company

You are hereby requested to comply with the following changes from the contract plans and specifications;

| Item No. | ADD / DEL | Description of changes | Units | Quantity | Unit Price | Decrease in contract price | Increase in contract price |
|----------------------------------|-----------|--|-------|----------|------------|----------------------------|----------------------------|
| 1 | ADD | Weather Days - 61 Days | LS | 1 | | \$ - | |
| 2 | ADD | Site conditions due to weather - 74 Days | LS | 1 | | \$ - | \$ - |
| 3 | | | | | | \$ - | \$ - |
| 4 | | | | | | \$ - | \$ - |
| 5 | | | | | | \$ - | \$ - |
| 6 | | | | | | \$ - | \$ - |
| 7 | | | | | | \$ - | \$ - |
| 8 | | | | | | \$ - | \$ - |
| 9 | | | | | | \$ - | \$ - |
| 10 | | | | | | \$ - | \$ - |
| 11 | | | | | | \$ - | \$ - |
| 12 | | | | | | \$ - | \$ - |
| 13 | | | | | | \$ - | \$ - |
| 14 | | | | | | \$ - | \$ - |
| 15 | | | | | | \$ - | \$ - |
| Total decrease | | | | | | \$ - | |
| Total increase | | | | | | | \$ - |
| Net (increase) in contract price | | | | | | | \$ - |

JUSTIFICATION FOR CHANGE

| | |
|---------------|----------------------------------|
| PROJECT: | East Hickman Wet Weather Storage |
| CONTRACT NO. | 079-2018 |
| CHANGE ORDER: | 2 |

1. Necessity for change: Weather Delays and Weather Impact Delays
2. Is proposed change an alternate bid? ___ Yes X No
3. Will proposed change alter the physical size of the project? ___ Yes X No
If "Yes", explain.
4. Effect of this change on other prime contractors: N/A
5. Has consent of surety been obtained? ___ Yes X Not Necessary
6. Will this change affect expiration or extent of insurance coverage? ___ Yes X No
If "Yes", will the policies be extended? ___ Yes ___ No
7. Effect on operation and maintenance costs: N/A
8. Effect on contract completion date: Project time will increase by 135 days. Final completion date will be May 8, 2020.

Rinda Gorton

Mayor

Date

5/15/2020

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Climatological Report (Monthly)

231
CXUS53 KLMK 011554
CLMLEX

CLIMATE REPORT
NATIONAL WEATHER SERVICE LOUISVILLE KY
1145 AM EDT FRI JUN 1 2018

...THE LEXINGTON KY CLIMATE SUMMARY FOR THE MONTH OF MAY 2018...

CLIMATE NORMAL PERIOD 1981 TO 2010
CLIMATE RECORD PERIOD 1872 TO 2018

| WEATHER | OBSERVED VALUE | DATE(S) | NORMAL VALUE | DEPART FROM NORMAL | LAST YEAR'S VALUE | DATE(S) |
|--------------------|-------------------|------------|-----------------|--------------------------|----------------------|---------|
| | | | | | | |
| TEMPERATURE (F) | | | | | | |
| RECORD | | | | | | |
| HIGH | 96 | 05/22/1941 | | | | |
| LOW | 26 | 05/10/1966 | | | | |
| HIGHEST | 90 | 05/14 | MM | MM | 88 | 05/20 |
| LOWEST | 46 | 05/01 | MM | MM | 36 | 05/08 |
| AVG. MAXIMUM | 82.5 | | 74.4 | 8.1 | 75.5 | |
| AVG. MINIMUM | 63.2 | | 53.9 | 9.3 | 55.5 | |
| MEAN | 72.8 | | 64.2 | 8.6 | 65.5 | |
| DAYS MAX \geq 90 | 1 | | 0.0 | 1.0 | 0 | |
| DAYS MAX \leq 32 | 0 | | 0.0 | 0.0 | 0 | |
| DAYS MIN \leq 32 | 0 | | 0.0 | 0.0 | 0 | |
| DAYS MIN \leq 0 | 0 | | 0.0 | 0.0 | 0 | |

| PRECIPITATION (INCHES) | | | | | | |
|------------------------|-------|----------------|------|------|------|--|
| RECORD | | | | | | |
| MAXIMUM | 10.91 | 2004 | | | | |
| MINIMUM | 0.60 | 1932 | | | | |
| TOTALS | 7.98 | | 5.26 | 2.72 | 5.64 | |
| DAILY AVG. | 0.26 | | 0.17 | 0.09 | 0.18 | |
| DAYS \geq .01 | 13 | | 12.5 | 0.5 | 15 | |
| DAYS \geq .10 | 12 | | 8.5 | 3.5 | 10 | |
| DAYS \geq .50 | 7 | | 3.6 | 3.4 | 5 | |
| DAYS \geq 1.00 | 2 | | 1.3 | 0.7 | 0 | |
| GREATEST | | | | | | |
| 24 HR. TOTAL | 1.77 | 05/05 TO 05/05 | | | | |

SNOWFALL (INCHES)
RECORDS

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Climatological Report (Monthly)

000
CXUS53 KLMK 111323 CCA
CLMLEX

CLIMATE REPORT
NATIONAL WEATHER SERVICE LOUISVILLE KY
106 PM EDT SUN JUL 1 2018

...THE LEXINGTON KY CLIMATE SUMMARY FOR THE MONTH OF JUNE 2018...

CLIMATE NORMAL PERIOD 1981 TO 2010
CLIMATE RECORD PERIOD 1872 TO 2018

| WEATHER | OBSERVED VALUE | DATE(S) | NORMAL VALUE | DEPART FROM NORMAL | LAST YEAR'S VALUE | DATE(S) |
|-----------------|-------------------|------------|-----------------|--------------------------|----------------------|---------|
| | | | | | | |
| TEMPERATURE (F) | | | | | | |
| RECORD | | | | | | |
| HIGH | 104 | 06/29/1936 | | | | |
| LOW | 39 | 06/01/1966 | | | | |
| HIGHEST | 94 | 06/30 | MM | MM | 92 | 06/12 |
| LOWEST | 53 | 06/05 | MM | MM | 50 | 06/08 |
| AVG. MAXIMUM | 85.5 | | 82.9 | 2.6 | 83.6 | |
| AVG. MINIMUM | 66.1 | | 62.5 | 3.6 | 61.7 | |
| MEAN | 75.8 | | 72.7 | 3.1 | 72.7 | |
| DAYS MAX >= 90 | 7 | | 2.9 | 4.1 | 4 | |
| DAYS MAX <= 32 | 0 | | 0.0 | 0.0 | 0 | |
| DAYS MIN <= 32 | 0 | | 0.0 | 0.0 | 0 | |
| DAYS MIN <= 0 | 0 | | 0.0 | 0.0 | 0 | |

| | | | | | | |
|------------------------|-------|----------------|------|-------|------|--|
| PRECIPITATION (INCHES) | | | | | | |
| RECORD | | | | | | |
| MAXIMUM | 11.69 | 1960 | | | | |
| MINIMUM | 0.61 | 1988 | | | | |
| TOTALS | 4.34 | | 4.44 | -0.10 | 5.78 | |
| DAILY AVG. | 0.13 | | 0.15 | -0.02 | 0.19 | |
| DAYS >= .01 | 11 | | 10.9 | 0.1 | 11 | |
| DAYS >= .10 | 6 | | 7.3 | -1.3 | 6 | |
| DAYS >= .50 | 5 | | 3.2 | 1.8 | 3 | |
| DAYS >= 1.00 | 0 | | 1.0 | -1.0 | 1 | |
| GREATEST | | | | | | |
| 24 HR. TOTAL | 1.09 | 06/25 TO 06/25 | | | | |

| | | |
|-------------------|----|---|
| SNOWFALL (INCHES) | | |
| RECORDS | | |
| TOTAL | MM | 5 |

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Climatological Report (Monthly)

915
CXUS53 KLMK 011631
CLMLEX

July '18

CLIMATE REPORT
NATIONAL WEATHER SERVICE LOUISVILLE KY
1218 PM EDT WED AUG 1 2018

...THE LEXINGTON KY CLIMATE SUMMARY FOR THE MONTH OF JULY 2018...

CLIMATE NORMAL PERIOD 1981 TO 2010
CLIMATE RECORD PERIOD 1872 TO 2018

| WEATHER | OBSERVED VALUE | DATE(S) | NORMAL VALUE | DEPART FROM NORMAL | LAST YEAR'S VALUE | DATE(S) |
|-------------------------------|----------------|--|--------------|--------------------|-------------------|----------------|
| TEMPERATURE (F) | | | | | | |
| RECORD | | | | | | |
| HIGH | 108 | 07/15/1936 07/10/1936 | | | | |
| LOW | 47 | 07/07/1972 07/23/1947 07/02/1937 | | | | |
| HIGHEST | 97 | 07/04 | MM | MM | 94 | 07/22 07/21 |
| LOWEST | 59 | 07/28 | MM | MM | 56 | 07/30 |
| AVG. MAXIMUM | 87.2 | | 86.1 | 1.1 | 86.7 | |
| AVG. MINIMUM | 66.6 | | 66.3 | 0.3 | 67.7 | |
| MEAN | 76.9 | | 76.2 | 0.7 | 77.2 | |
| DAYS MAX >= 90 | 11 | | 7.2 | 3.8 | 7 | |
| DAYS MAX <= 32 | 0 | | 0.0 | 0.0 | 0 | |
| DAYS MIN <= 32 | 0 | | 0.0 | 0.0 | 0 | |
| DAYS MIN <= 0 | 0 | | 0.0 | 0.0 | 0 | |
| PRECIPITATION (INCHES) | | | | | | |
| RECORD | | | | | | |
| MAXIMUM | 10.64 | 1958 | | | | |
| MINIMUM | 0.45 | 1930 | | | | |
| TOTALS | 4.41 | | 4.65 | -0.24 | 5.23 | |
| DAILY AVG. | 0.14 | | 0.15 | -0.01 | 0.17 | |
| DAYS >= .01 | 12 | | 10.4 | 1.6 | 9 | |
| DAYS >= .10 | 7 | | 7.5 | -0.5 | 7 | |
| DAYS >= .50 | 3 | | 3.2 | -0.2 | 6 | |
| DAYS >= 1.00 | 1 | | 1.5 | -0.5 | 1 | |
| GREATEST | | | | | | |

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Climatological Report (Monthly)

301
 CXUS53 KLMK 011519
 CLMSDF

August 18

CLIMATE REPORT
 NATIONAL WEATHER SERVICE LOUISVILLE KY
 1113 AM EDT SAT SEP 1 2018

...THE LOUISVILLE KY CLIMATE SUMMARY FOR THE MONTH OF AUGUST 2018.

CLIMATE NORMAL PERIOD 1981 TO 2010
 CLIMATE RECORD PERIOD 1871 TO 2018

| WEATHER | OBSERVED VALUE | DATE(S) | NORMAL VALUE | DEPART FROM NORMAL | LAST YEAR'S VALUE | DATE(S) | | | |
|-------------------------------|----------------|--|--------------|--------------------|-------------------|------------------------|----------|--------|-----|
| TEMPERATURE (F) | | | | | | | | | |
| RECORD | | | | | | | | | |
| HIGH | 105 | 08/16/2007 08/05/1918 08/12/1881 | | | | | | | |
| LOW | 45 | 08/31/1946 | | | | | | | |
| HIGHEST | 93 | 08/28 08/05 | MM | MM | 96 | 08/17 | | | |
| LOWEST | 50 | 08/23 | MM | MM | 58 | 08/05 | | | |
| AVG. MAXIMUM | 87.4 | | 88.3 | -0.9 | 86.5 | | | | |
| AVG. MINIMUM | 71.5 | | 68.5 | 3.0 | 67.4 | | | | |
| MEAN | 79.5 | | 78.4 | 1.1 | 76.9 | | | | |
| DAYS MAX >= 90 | 9 | | 12.2 | -3.2 | 9 | | | | |
| DAYS MAX <= 32 | 0 | | 0.0 | 0.0 | 0 | | | | |
| DAYS MIN <= 32 | 0 | | 0.0 | 0.0 | 0 | | | | |
| DAYS MIN <= 0 | 0 | | 0.0 | 0.0 | 0 | | | | |
| PRECIPITATION (INCHES) | | | | | | | | | |
| RECORD | | | | | | | | | |
| MAXIMUM | 10.53 | 1888 | | | | | | | |
| MINIMUM | 0.15 | 1881 | | | | | | | |
| TOTALS | 7.23 | | 3.33 | 3.90 | 4.20 | | | | |
| DAILY AVG. | 0.23 | | 0.11 | 0.12 | 0.14 | | | | |
| DAYS >= .01 | 11 | | 8.0 | 3.0 | 8 | | | | |
| DAYS >= .10 | 9 | | 5.5 | 3.5 | 5 | | | | |
| DAYS >= .50 | 4 | | 2.3 | 1.7 | 2 | | | | |
| DAYS >= 1.00 | 2 | | 0.9 | 1.1 | 1 | | | | |
| GREATEST | | | | | | | | | |
| 24 HR. TOTAL | 3.52 | 08/15 TO 08/16 | | | | 08/17 TO 08/17 | | | |
| | | | | | | 08/31 TO 08/31 | OBSERVED | NORMAL | DEP |
| | | | | | | 08/31 TO 08/31 | OBSERVED | NORMAL | DEP |
| STORM TOTAL (MM/DD(HR)) | MM | MM | | | | 08/17(00) TO 08/17(00) | | | |
| | | | | | | 08/31(00) TO 08/31(00) | OBSERVED | NORMAL | DEP |
| | | | | | | 08/31(00) TO 08/31(00) | OBSERVED | NORMAL | DEP |
| SNOWFALL (INCHES) | | | | | | | | | |
| RECORDS | | | | | | | | | |
| TOTAL | MM | 5 | | | | | | | |
| 24 HR TOTAL | MM | | | | | | | | |
| SNOW DEPTH | MM | MM | | | | | | | |
| TOTALS | 0.0 | | 0.0 | 0.0 | 0.0 | | | | |
| LIQUID EQUIV | 0.00 | | 0.00 | 0.00 | 0.00 | | | | |
| SINCE 7/1 | T | | 0.0 | 0.0 | 0.0 | | | | |
| LIQUID 7/1 | MM | | 0.00 | MM | 0.00 | | | | |
| SNOWDEPTH AVG. | 0 | | MM | MM | 0 | | | | |
| DAYS >= TRACE | 0 | | 0.0 | 0.0 | 0 | | | | |
| DAYS >= 1.0 | 0 | | 0.0 | 0.0 | 0 | | | | |
| GREATEST | | | | | | | | | |
| SNOW DEPTH | 0 | MM | | | 0 | MM | | | |
| 24 HR TOTAL | 0.0 | 08/31 TO 08/31 | | | | 08/31 TO 08/31 | | | |
| | | | | | | 08/31 TO 08/31 | OBSERVED | NORMAL | DEP |
| | | | | | | 08/31 TO 08/31 | OBSERVED | NORMAL | DEP |
| STORM TOTAL (MM/DD(HR)) | MM | MM | | | | 08/31(00) TO 08/31(00) | | | |
| | | | | | | 08/31(00) TO 08/31(00) | OBSERVED | NORMAL | DEP |

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Climatological Report (Monthly)

371
 CXUSS3 KLMK 011242
 CLMLEX

Sept '18

CLIMATE REPORT
 NATIONAL WEATHER SERVICE LOUISVILLE KY
 840 AM EDT MON OCT 1 2018

.....
 ..THE LEXINGTON KY CLIMATE SUMMARY FOR THE MONTH OF SEPTEMBER 2018..

CLIMATE NORMAL PERIOD 1981 TO 2010
 CLIMATE RECORD PERIOD 1872 TO 2018

| WEATHER | OBSERVED VALUE | DATE(S) | NORMAL VALUE | DEPART FROM NORMAL | LAST YEAR'S VALUE | DATE(S) |
|---------|----------------|---------|--------------|--------------------|-------------------|---------|
|---------|----------------|---------|--------------|--------------------|-------------------|---------|

.....
 TEMPERATURE (F)
 RECORD

| | | | | | | |
|----------------|------|----------------|------|-----|------|-------------------------|
| HIGH | 103 | 09/05/1954 | | | | |
| LOW | 32 | 09/30/1899 | | | | |
| HIGHEST | 93 | 09/04 09/03 | MM | MM | 89 | 09/27 09/26 09/21 |
| LOWEST | 50 | 09/29 | MM | MM | 47 | 09/08 09/07 |
| AVG. MAXIMUM | 81.4 | | 78.8 | 2.6 | 78.8 | |
| AVG. MINIMUM | 64.9 | | 57.5 | 7.4 | 58.0 | |
| MEAN | 73.2 | | 68.1 | 5.1 | 68.4 | |
| DAYS MAX >= 90 | 8 | | 2.0 | 6.0 | 0 | |
| DAYS MAX <= 32 | 0 | | 0.0 | 0.0 | 0 | |
| DAYS MIN <= 32 | 0 | | 0.0 | 0.0 | 0 | |
| DAYS MIN <= 0 | 0 | | 0.0 | 0.0 | 0 | |

PRECIPITATION (INCHES)
 RECORD

| | | | | | | |
|--------------------------|--------|----------------|------|------|------|--|
| MAXIMUM | 10.25 | 2006 | | | | |
| MINIMUM | 0.24 | 1959 | | | | |
| TOTALS | 10.42R | | 2.91 | 7.51 | 3.74 | |
| DAILY AVG. | 0.35 | | 0.10 | 0.25 | 0.12 | |
| DAYS >= .01 | 16 | | 7.8 | 8.2 | 7 | |
| DAYS >= .10 | 13 | | 4.9 | 8.1 | 6 | |
| DAYS >= .50 | 6 | | 1.9 | 4.1 | 2 | |
| DAYS >= 1.00 | 5 | | 0.8 | 4.2 | 1 | |
| GREATEST 24 HR. TOTAL | 1.98 | 09/09 TO 09/09 | | | | |

SNOWFALL (INCHES)
 RECORDS

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: LEXINGTON KY
MONTH: OCTOBER
YEAR: 2018
LATITUDE: 38 1 N
LONGITUDE: 84 36 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 59.6
DPTR FM NORMAL: 2.5
HIGHEST: 89 ON 7
LOWEST: 32 ON 21

[PRECIPITATION DATA]

TOTAL FOR MONTH: 7.35
DPTR FM NORMAL: 4.22
GRST 24HR 3.42 ON 4- 4

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 0.0 INCH
GRST 24HR 0.0
GRST DEPTH: 0

SYMBOLS USED IN COLUMN 16

- 1 = FOG OR MIST
- 2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
- 3 = THUNDER
- 4 = ICE PELLETS
- 5 = HAIL
- 6 = FREEZING RAIN OR DRIZZLE
- 7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
- 8 = SMOKE OR HAZE
- 9 = BLOWING SNOW
- X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 0
MAX 90 OR ABOVE: 0
MIN 32 OR BELOW: 1
MIN 0 OR BELOW: 0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 12
0.10 INCH OR MORE: 8
0.50 INCH OR MORE: 3
1.00 INCH OR MORE: 2

[HDD (BASE 65)]

TOTAL THIS MO. 287
DPTR FM NORMAL 15
TOTAL FM JUL 1 304
DPTR FM NORMAL -22

CLEAR (SCALE 0-3) 17
PTCLDY (SCALE 4-7) 9
CLOUDY (SCALE 8-10) 5

[CDD (BASE 65)]

TOTAL THIS MO. 126
DPTR FM NORMAL 101
TOTAL FM JAN 1 1735
DPTR FM NORMAL 547

[PRESSURE DATA]

HIGHEST SLP 30.55 ON 18
LOWEST SLP 29.60 ON 26

[REMARKS]

#FINAL-10-18#

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: LEXINGTON KY
MONTH: NOVEMBER
YEAR: 2018
LATITUDE: 38 1 N
LONGITUDE: 84 36 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 42.0
DPTR FM NORMAL: -4.3
HIGHEST: 66 ON 1
LOWEST: 20 ON 28,27

[PRECIPITATION DATA]

TOTAL FOR MONTH: 4.82
DPTR FM NORMAL: 1.29
GRTST 24HR 1.66 ON 31- 1
SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 1.0 INCH
GRTST 24HR 0.5 ON 27-27
GRTST DEPTH: 0

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY
TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM:
VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 1
MAX 90 OR ABOVE: 0
MIN 32 OR BELOW: 13
MIN 0 OR BELOW: 0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 19
0.10 INCH OR MORE: 10
0.50 INCH OR MORE: 4
1.00 INCH OR MORE: 1

[HDD (BASE 65)]

TOTAL THIS MO. 682
DPTR FM NORMAL 121
TOTAL FM JUL 1 986
DPTR FM NORMAL 99

CLEAR (SCALE 0-3) 8
PTCLDY (SCALE 4-7) 12
CLOUDY (SCALE 8-10) 10

[CDD (BASE 65)]

TOTAL THIS MO. 0
DPTR FM NORMAL -2
TOTAL FM JAN 1 1735
DPTR FM NORMAL 545

[PRESSURE DATA]

HIGHEST SLP 30.54 ON 14
LOWEST SLP 29.46 ON 26

[REMARKS]

#FINAL-11-18#

MISC ----> # 32 220

46 160

NOTES:

LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: LEXINGTON KY

MONTH: DECEMBER

YEAR: 2018

LATITUDE: 38 1 N

LONGITUDE: 84 36 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 41.0
 DPTR FM NORMAL: 5.0
 HIGHEST: 67 ON 2
 LOWEST: 18 ON 11

[PRECIPITATION DATA]

TOTAL FOR MONTH: 6.06
 DPTR FM NORMAL: 2.13
 GRTST 24HR 1.40 ON 15-15
 SNOW, ICE PELLETS, HAIL
 TOTAL MONTH: 0.1 INCH
 GRTST 24HR 0.1 ON 5- 5
 GRTST DEPTH: T

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
 2 = FOG REDUCING VISIBILITY
 TO 1/4 MILE OR LESS
 3 = THUNDER
 4 = ICE PELLETS
 5 = HAIL
 6 = FREEZING RAIN OR DRIZZLE
 7 = DUSTSTORM OR SANDSTORM;
 VSBY 1/2 MILE OR LESS
 8 = SMOKE OR HAZE
 9 = BLOWING SNOW
 X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 1
 MAX 90 OR ABOVE: 0
 MIN 32 OR BELOW: 18
 MIN 0 OR BELOW: 0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 10
 0.10 INCH OR MORE: 7
 0.50 INCH OR MORE: 4
 1.00 INCH OR MORE: 4

[HDD (BASE 65)]

TOTAL THIS MO. 737
 DPTR FM NORMAL -164
 TOTAL FM JUL 1 1723
 DPTR FM NORMAL -65

CLEAR (SCALE 0-3) 9
 PTCLDY (SCALE 4-7) 12
 CLOUDY (SCALE 8-10) 10

[CDD (BASE 65)]

TOTAL THIS MO. 0
 DPTR FM NORMAL 0
 TOTAL FM JAN 1 1735
 DPTR FM NORMAL 545

[PRESSURE DATA]

HIGHEST SLP 30.60 ON 8
 LOWEST SLP 29.38 ON 21

[REMARKS]

#FINAL-12-18#

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Climatological Report (Monthly)

000
CXUS53 KLMK 011730
CLMLEX

CLIMATE REPORT
NATIONAL WEATHER SERVICE LOUISVILLE KY
1222 PM EST FRI FEB 1 2019

.....
...THE LEXINGTON KY CLIMATE SUMMARY FOR THE MONTH OF JANUARY 2019...

CLIMATE NORMAL PERIOD 1981 TO 2010
CLIMATE RECORD PERIOD 1872 TO 2019

| WEATHER | OBSERVED VALUE | DATE(S) | NORMAL VALUE | DEPART FROM NORMAL | LAST YEAR'S VALUE | DATE(S) |
|------------------------|-------------------|----------------|-----------------|--------------------------|----------------------|---------|
| | | | | | | |
| TEMPERATURE (F) | | | | | | |
| RECORD | | | | | | |
| HIGH | 80 | 01/24/1943 | | | | |
| LOW | -21 | 01/24/1963 | | | | |
| HIGHEST | 66 | 01/08 01/07 | MM | MM | 66 | 01/11 |
| LOWEST | 2 | 01/31 | MM | MM | -3 | 01/02 |
| AVG. MAXIMUM | 41.3 | | 40.9 | 0.4 | 40.4 | |
| AVG. MINIMUM | 26.4 | | 24.9 | 1.5 | 21.6 | |
| MEAN | 33.8 | | 32.9 | 0.9 | 31.0 | |
| DAYS MAX >= 90 | 0 | | 0.0 | 0.0 | 0 | |
| DAYS MAX <= 32 | 9 | | 7.3 | 1.7 | 11 | |
| DAYS MIN <= 32 | 20 | | 22.6 | -2.6 | 21 | |
| DAYS MIN <= 0 | 0 | | 0.7 | -0.7 | 2 | |
| PRECIPITATION (INCHES) | | | | | | |
| RECORD | | | | | | |
| MAXIMUM | 16.65 | 1950 | | | | |
| MINIMUM | 0.37 | 1981 | | | | |
| TOTALS | 4.35 | | 3.20 | 1.15 | 2.09 | |
| DAILY AVG. | 0.14 | | 0.10 | 0.04 | 0.07 | |
| DAYS >= .01 | 11 | | 12.1 | -1.1 | 10 | |
| DAYS >= .10 | 7 | | 6.2 | 0.8 | 5 | |
| DAYS >= .50 | 3 | | 2.1 | 0.9 | 1 | |
| DAYS >= 1.00 | 2 | | 0.8 | 1.2 | 0 | |
| GREATEST | | | | | | |
| 24 HR. TOTAL | 1.26 | 01/19 TO 01/20 | | | | |
| SNOWFALL (INCHES) | | | | | | |
| RECORDS | | | | | | |
| TOTAL | 21.9 | 5 0 | | | | |
| TOTALS | 5.4 | | 3.9 | 1.5 | 6.1 | |
| SINCE 7/1 | 6.5 | | 6.7 | -0.2 | 6.3 | |
| SNOWDEPTH AVG. | 0 | | 2 | -2 | 1 | |

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Climatological Report (Monthly)

445
 CXUS53 KLMK 011614
 CLMLEX

CLIMATE REPORT
 NATIONAL WEATHER SERVICE LOUISVILLE KY
 1107 AM EST FRI MAR 1 2019

...THE LEXINGTON KY CLIMATE SUMMARY FOR THE MONTH OF FEBRUARY 2019...

CLIMATE NORMAL PERIOD 1981 TO 2010
 CLIMATE RECORD PERIOD 1872 TO 2019

| WEATHER | OBSERVED VALUE | DATE(S) | NORMAL VALUE | DEPART FROM NORMAL | LAST YEAR'S VALUE | DATE(S) |
|---------|-------------------|---------|-----------------|--------------------------|----------------------|---------|
|---------|-------------------|---------|-----------------|--------------------------|----------------------|---------|

TEMPERATURE (F)

| | | | | | | |
|----------------|------|--|------|------|------|-------|
| RECORD HIGH | 80 | 02/20/2018 02/23/1996 01/31/2038 | | | | |
| LOW | -20 | 02/13/1899 | | | | |
| HIGHEST | 72 | 02/07 | MM | MM | 80 | 02/20 |
| LOWEST | 15 | 02/09 | MM | MM | 12 | 02/02 |
| AVG. MAXIMUM | 51.7 | | 45.6 | 6.1 | 54.1 | |
| AVG. MINIMUM | 33.4 | | 28.1 | 5.3 | 35.6 | |
| MEAN | 42.5 | | 36.9 | 5.6 | 44.9 | |
| DAYS MAX >= 90 | 0 | | 0.0 | 0.0 | 0 | |
| DAYS MAX <= 32 | 0 | | 4.0 | -4.0 | 2 | |
| DAYS MIN <= 32 | 14 | | 10.6 | -4.6 | 13 | |
| DAYS MIN <= 0 | 0 | | 0.2 | -0.2 | 0 | |

PRECIPITATION (INCHES)

| | | | | | | |
|-----------------------|-------|----------------|------|------|-------|--|
| RECORD MAXIMUM | 10.13 | 2018 | | | | |
| RECORD MINIMUM | 0.52 | 1895 | | | | |
| TOTALS | 7.39 | | 3.20 | 4.19 | 10.13 | |
| DAILY AVG. | 0.26 | | 0.21 | 0.15 | 0.36 | |
| DAYS >= .01 | 13 | | 11.1 | 1.9 | 17 | |
| DAYS >= .10 | 9 | | 6.3 | 2.7 | 13 | |
| DAYS >= .50 | 5 | | 2.0 | 3.0 | 9 | |
| DAYS >= 1.00 | 2 | | 0.6 | 1.4 | 3 | |
| GREATEST 24 HR. TOTAL | 2.04 | 02/19 TO 02/20 | | | | |

SNOWFALL (INCHES)

| | | | | | | |
|---------------|------|---|------|------|-----|--|
| RECORDS TOTAL | 17.4 | 5 | | | | |
| TOTALS | T | | 4.6 | -4.6 | 1.3 | |
| SINCE 7/1 | 6.5 | | 11.3 | -4.8 | 7.6 | |

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Climatological Report (Monthly)

231
CXUS53 KLMK 011737
CLMLEX

CLIMATE REPORT
NATIONAL WEATHER SERVICE LOUISVILLE KY
137 PM EDT MON APR 1 2019

.....
...THE LEXINGTON KY CLIMATE SUMMARY FOR THE MONTH OF MARCH 2019...

CLIMATE NORMAL PERIOD 1981 TO 2010
CLIMATE RECORD PERIOD 1872 TO 2019

| WEATHER | OBSERVED VALUE | DATE(S) | NORMAL VALUE | DEPART FROM NORMAL | LAST YEAR'S VALUE | DATE(S) |
|---------|-------------------|---------|-----------------|--------------------------|----------------------|---------|
|---------|-------------------|---------|-----------------|--------------------------|----------------------|---------|

.....
TEMPERATURE (F)

RECORD

| | | | | | | |
|------|----|------------|--|--|--|--|
| HIGH | 86 | 03/25/1929 | | | | |
| LOW | -2 | 03/06/2015 | | | | |
| | | 03/06/1960 | | | | |
| | | 03/05/1960 | | | | |

| | | | | | | |
|----------------|------|-------|------|------|------|-------|
| HIGHEST | 76 | 03/14 | MM | MM | 69 | 03/27 |
| LOWEST | 9 | 03/05 | MM | MM | 21 | 03/14 |
| AVG. MAXIMUM | 53.5 | | 55.4 | -1.9 | 52.2 | |
| AVG. MINIMUM | 32.4 | | 35.7 | -3.3 | 33.8 | |
| MEAN | 42.9 | | 45.5 | -2.6 | 43.0 | |
| DAYS MAX >= 90 | 0 | | 0.0 | 0.0 | 0 | |
| DAYS MAX <= 32 | 3 | | 0.7 | 2.3 | 0 | |
| DAYS MIN <= 32 | 16 | | 11.9 | 4.1 | 16 | |
| DAYS MIN <= 0 | 0 | | 0.0 | 0.0 | 0 | |

PRECIPITATION (INCHES)

RECORD

| | | | | | | |
|--------------|-------|----------------|------|-------|------|--|
| MAXIMUM | 13.82 | 1997 | | | | |
| MINIMUM | 0.46 | 1910 | | | | |
| TOTALS | 2.87 | | 4.07 | -1.20 | 5.32 | |
| DAILY AVG. | 0.09 | | 0.13 | -0.04 | 0.17 | |
| DAYS >= .01 | 10 | | 12.4 | -2.4 | 17 | |
| DAYS >= .10 | 6 | | 7.7 | -1.7 | 12 | |
| DAYS >= .50 | 2 | | 2.8 | -0.8 | 3 | |
| DAYS >= 1.00 | 0 | | 0.9 | -0.9 | 1 | |
| GREATEST | | | | | | |
| 24 HR. TOTAL | 0.94 | 03/09 TO 03/09 | | | | |

SNOWFALL (INCHES)

RECORDS

| | | | | | | |
|-----------|------|---|------|------|------|--|
| TOTAL | 17.7 | 5 | | | | |
| | | 0 | | | | |
| TOTALS | 3.3 | | 1.4 | 1.9 | 12.2 | |
| SINCE 7/1 | 9.8 | | 12.7 | -2.9 | 19.8 | |

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Climatological Report (Monthly)

872
CXUS53 KLHK 031252
CLMLEX

CLIMATE REPORT
NATIONAL WEATHER SERVICE LOUISVILLE KY
845 AM EDT MON JUN 3 2019

.....
...THE LEXINGTON KY CLIMATE SUMMARY FOR THE MONTH OF MAY 2019...

CLIMATE NORMAL PERIOD 1981 TO 2010
CLIMATE RECORD PERIOD 1872 TO 2019

| WEATHER | OBSERVED VALUE | DATE(S) | NORMAL VALUE | DEPART FROM NORMAL | LAST YEAR'S VALUE | DATE(S) |
|---------|-------------------|---------|-----------------|--------------------------|----------------------|---------|
|---------|-------------------|---------|-----------------|--------------------------|----------------------|---------|

.....
TEMPERATURE (F)

RECORD

| | | | | | | |
|----------------|------|----------------|------|-----|------|-------|
| HIGH | 96 | 05/22/1941 | | | | |
| LOW | 26 | 05/10/1966 | | | | |
| HIGHEST | 90 | 05/25 05/24 | MM | MM | 90 | 05/14 |
| LOWEST | 45 | 05/15 05/14 | MM | MM | 46 | 05/01 |
| AVG. MAXIMUM | 78.7 | | 74.4 | 4.3 | 82.5 | |
| AVG. MINIMUM | 59.4 | | 53.9 | 5.5 | 63.2 | |
| MEAN | 69.0 | | 64.2 | 4.8 | 72.8 | |
| DAYS MAX >= 90 | 2 | | 0.0 | 2.0 | 1 | |
| DAYS MAX <= 32 | 0 | | 0.0 | 0.0 | 0 | |
| DAYS MIN <= 32 | 0 | | 0.0 | 0.0 | 0 | |
| DAYS MIN <= 0 | 0 | | 0.0 | 0.0 | 0 | |

PRECIPITATION (INCHES)

RECORD

| | | | | | | |
|--------------------------|-------|----------------|------|-------|------|--|
| MAXIMUM | 10.91 | 2004 | | | | |
| MINIMUM | 0.60 | 1932 | | | | |
| TOTALS | 4.37 | | 5.26 | -0.89 | 7.98 | |
| DAILY AVG. | 0.14 | | 0.17 | -0.03 | 0.26 | |
| DAYS >= .01 | 14 | | 12.5 | 1.5 | 13 | |
| DAYS >= .10 | 10 | | 8.5 | 1.5 | 12 | |
| DAYS >= .50 | 4 | | 3.6 | 0.4 | 7 | |
| DAYS >= 1.00 | 1 | | 1.3 | -0.3 | 2 | |
| GREATEST 24 HR. TOTAL | 1.21 | 05/25 TO 05/26 | | | | |

SNOWFALL (INCHES)

RECORDS

| | | | | | | |
|---------------------|------------|--------|-------------|-------------|-------------|--|
| TOTAL | 6.0 | 5 0 | | | | |
| TOTALS SINCE 7/1 | 0.0 9.8 | | 0.0 13.0 | 0.0 -3.2 | 0.0 21.2 | |

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Climatological Report (Monthly)

628
CXUS53 KLMK 011341
CLMLEX

CLIMATE REPORT
NATIONAL WEATHER SERVICE LOUISVILLE KY
926 AM EDT MON JUL 1 2019

.....

...THE LEXINGTON KY CLIMATE SUMMARY FOR THE MONTH OF JUNE 2019...

CLIMATE NORMAL PERIOD 1981 TO 2010
CLIMATE RECORD PERIOD 1872 TO 2019

| WEATHER | OBSERVED VALUE | DATE(S) | NORMAL VALUE | DEPART FROM NORMAL | LAST YEAR'S VALUE | DATE(S) |
|-----------------|-------------------|------------|-----------------|--------------------------|----------------------|---------|
| | | | | | | |
| TEMPERATURE (F) | | | | | | |
| RECORD | | | | | | |
| HIGH | 104 | 06/29/1936 | | | | |
| LOW | 39 | 06/01/1966 | | | | |
| HIGHEST | 92 | 06/30 | MM | MM | 94 | 06/30 |
| LOWEST | 45 | 06/14 | MM | MM | 53 | 06/05 |
| AVG. MAXIMUM | 82.1 | | 82.9 | -0.8 | 85.5 | |
| AVG. MINIMUM | 63.0 | | 62.5 | 0.5 | 66.1 | |
| MEAN | 72.5 | | 72.7 | -0.2 | 75.8 | |
| DAYS MAX >= 90 | 3 | | 2.9 | 0.1 | 7 | |
| DAYS MAX <= 32 | 0 | | 0.0 | 0.0 | 0 | |
| DAYS MIN <= 32 | 0 | | 0.0 | 0.0 | 0 | |
| DAYS MIN <= 0 | 0 | | 0.0 | 0.0 | 0 | |

| | | | | | | |
|------------------------|-------|----------------|------|------|------|--|
| PRECIPITATION (INCHES) | | | | | | |
| RECORD | | | | | | |
| MAXIMUM | 11.69 | 1960 | | | | |
| MINIMUM | 0.61 | 1988 | | | | |
| TOTALS | 7.44 | | 4.44 | 3.00 | 3.92 | |
| DAILY AVG. | 0.25 | | 0.15 | 0.10 | 0.13 | |
| DAYS >= .01 | 18 | | 10.9 | 7.1 | 11 | |
| DAYS >= .10 | 14 | | 7.3 | 6.7 | 6 | |
| DAYS >= .50 | 5 | | 3.2 | 1.8 | 5 | |
| DAYS >= 1.00 | 2 | | 1.0 | 1.0 | 0 | |
| GREATEST | | | | | | |
| 24 HR. TOTAL | 1.26 | 06/16 TO 06/16 | | | | |

| | | | | | | |
|-------------------|-----|---|------|------|------|--|
| SNOWFALL (INCHES) | | | | | | |
| RECORDS | | | | | | |
| TOTAL | MM | 5 | | | | |
| TOTALS | 0.0 | | 0.0 | 0.0 | 0.0 | |
| SINCE 7/1 | 9.8 | | 13.0 | -3.2 | 21.2 | |
| SNOWDEPTH AVG. | 0 | | MM | MM | 0 | |
| DAYS >= 1.0 | 0 | | 0.0 | 0.0 | 0 | |
| GREATEST | | | | | | |

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Climatological Report (Monthly)

873
 CXUS53 KLMK 021522 AAA
 CLMLEX

CLIMATE REPORT
 NATIONAL WEATHER SERVICE LOUISVILLE KY
 959 AM EDT FRI NOV 1 2019

.....

...THE LEXINGTON KY CLIMATE SUMMARY FOR THE MONTH OF OCTOBER 2019...

...UPDATED TO INCLUDE WEATHER CONDITIONS...

CLIMATE NORMAL PERIOD 1981 TO 2010
 CLIMATE RECORD PERIOD 1872 TO 2019

| WEATHER | OBSERVED VALUE | DATE(S) | NORMAL VALUE | DEPART FROM NORMAL | LAST YEAR'S VALUE | DATE(S) |
|---------|-------------------|---------|-----------------|--------------------------|----------------------|---------|
|---------|-------------------|---------|-----------------|--------------------------|----------------------|---------|

.....
 TEMPERATURE (F)

RECORD

| | | | | | | |
|----------------|------|------------|------|------|------|-------|
| HIGH | 97 | 10/01/2019 | | | | |
| LOW | 20 | 10/28/1976 | | | | |
| HIGHEST | 97R | 10/01 | MM | MM | 89 | 10/07 |
| LOWEST | 35 | 10/31 | MM | MM | 32 | 10/21 |
| AVG. MAXIMUM | 73.3 | | 67.5 | 5.8 | 69.2 | |
| AVG. MINIMUM | 49.4 | | 46.6 | 2.8 | 49.9 | |
| MEAN | 61.4 | | 57.0 | 4.4 | 59.5 | |
| DAYS MAX >= 90 | 3 | | 0.1 | 2.9 | 0 | |
| DAYS MAX <= 32 | 0 | | 0.0 | 0.0 | 0 | |
| DAYS MIN <= 32 | 0 | | 1.5 | -1.5 | 1 | |
| DAYS MIN <= 0 | 0 | | 0.0 | 0.0 | 0 | |

PRECIPITATION (INCHES)

RECORD

| | | | | | | |
|--------------------------|------|----------------|------|------|------|--|
| MAXIMUM | 7.95 | 1918 | | | | |
| MINIMUM | 0.11 | 1924 | | | | |
| TOTALS | 7.83 | | 3.13 | 4.70 | 7.35 | |
| DAILY AVG. | 0.25 | | 0.10 | 0.15 | 0.24 | |
| DAYS >= .01 | 11 | | 8.7 | 2.3 | 12 | |
| DAYS >= .10 | 7 | | 5.3 | 1.7 | 8 | |
| DAYS >= .50 | 6 | | 2.1 | 3.9 | 3 | |
| DAYS >= 1.00 | 5 | | 0.7 | 4.3 | 2 | |
| GREATEST 24 HR. TOTAL | 1.69 | 10/06 TO 10/06 | | | | |

SNOWFALL (INCHES)

RECORDS

| | | | | | | |
|----------------|-----|---|-----|-----|-----|--|
| TOTAL | 2.8 | 5 | | | | |
| | | 0 | | | | |
| TOTALS | 0.0 | | 0.0 | 0.0 | 0.0 | |
| SINCE 7/1 | 0.0 | | 0.0 | 0.0 | 0.0 | |
| SNOWDEPTH AVG. | 0 | | MM | MM | 0 | |

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Climatological Report (Monthly)

833
 CXUS53 KLMK 011319
 CLMLEX

CLIMATE REPORT
 NATIONAL WEATHER SERVICE LOUISVILLE KY
 809 AM EST SUN DEC 1 2019

.....
 ...THE LEXINGTON KY CLIMATE SUMMARY FOR THE MONTH OF NOVEMBER 2019...

CLIMATE NORMAL PERIOD 1981 TO 2010
 CLIMATE RECORD PERIOD 1872 TO 2019

| WEATHER | OBSERVED VALUE | DATE(S) | NORMAL VALUE | DEPART FROM NORMAL | LAST YEAR'S VALUE | DATE(S) |
|---------|----------------|---------|--------------|--------------------|-------------------|---------|
|---------|----------------|---------|--------------|--------------------|-------------------|---------|

.....
 TEMPERATURE (F)

RECORD

| | | | | | | |
|------|----|------------|--|--|--|--|
| HIGH | 83 | 11/01/2016 | | | | |
| LOW | -3 | 11/25/1950 | | | | |

| | | | | | | |
|---------|----|-------|----|----|----|-------|
| HIGHEST | 66 | 11/11 | MM | MM | 66 | 11/01 |
| LOWEST | 12 | 11/13 | MM | MM | 20 | 11/28 |

| | | | | | | |
|----------------|------|--|------|------|------|--|
| AVG. MAXIMUM | 52.5 | | 55.4 | -2.9 | 49.5 | |
| AVG. MINIMUM | 32.6 | | 37.3 | -4.7 | 34.5 | |
| MEAN | 42.5 | | 46.3 | -3.8 | 42.0 | |
| DAYS MAX >= 90 | 0 | | 0.0 | 0.0 | 0 | |
| DAYS MAX <= 32 | 1 | | 0.3 | 0.7 | 1 | |
| DAYS MIN <= 32 | 14 | | 9.7 | 4.3 | 13 | |
| DAYS MIN <= 0 | 0 | | 0.0 | 0.0 | 0 | |

PRECIPITATION (INCHES)

RECORD

| | | | | | | |
|---------|------|------|--|--|--|--|
| MAXIMUM | 8.50 | 1919 | | | | |
| MINIMUM | 0.45 | 1976 | | | | |

| | | | | | | |
|--------------|------|--|------|------|------|--|
| TOTALS | 5.73 | | 3.53 | 2.20 | 4.82 | |
| DAILY AVG. | 0.19 | | 0.12 | 0.07 | 0.16 | |
| DAYS >= .01 | 11 | | 10.7 | 0.3 | 19 | |
| DAYS >= .10 | 7 | | 6.7 | 0.3 | 10 | |
| DAYS >= .50 | 4 | | 2.5 | 1.5 | 4 | |
| DAYS >= 1.00 | 1 | | 0.8 | 0.2 | 1 | |

GREATEST

| | | | | | | |
|--------------|------|----------------|--|--|--|--|
| 24 HR. TOTAL | 2.63 | 11/30 TO 11/30 | | | | |
|--------------|------|----------------|--|--|--|--|

SNOWFALL (INCHES)

RECORDS

| | | | | | | |
|-------|-----|---|--|--|--|--|
| TOTAL | 9.7 | 5 | | | | |
|-------|-----|---|--|--|--|--|

| | | | | | | |
|-----------|-----|--|-----|-----|-----|--|
| TOTALS | 1.8 | | 0.3 | 1.5 | 1.0 | |
| SINCE 7/1 | 1.8 | | 0.3 | 1.5 | 1.0 | |

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Climatological Report (Monthly)

064
 CXUS53 KLMK 011548
 CLMLEX

CLIMATE REPORT
 NATIONAL WEATHER SERVICE LOUISVILLE KY
 1037 AM EST WED JAN 1 2020

...THE LEXINGTON KY CLIMATE SUMMARY FOR THE MONTH OF DECEMBER 2019...

CLIMATE NORMAL PERIOD 1981 TO 2010
 CLIMATE RECORD PERIOD 1872 TO 2019

| WEATHER | OBSERVED VALUE | DATE(S) | NORMAL VALUE | DEPART FROM NORMAL | LAST YEAR'S VALUE | DATE(S) |
|---------|-------------------|---------|-----------------|--------------------------|----------------------|---------|
|---------|-------------------|---------|-----------------|--------------------------|----------------------|---------|

.....
 TEMPERATURE (F)

RECORD

| | | | | | | |
|----------------|------|--------------------------|------|------|------|-------|
| HIGH | 75 | 12/03/1982 12/02/1982 | | | | |
| LOW | -19 | 12/22/1989 | | | | |
| HIGHEST | 69 | 12/25 | MM | MM | 67 | 12/02 |
| LOWEST | 17 | 12/19 | MM | MM | 18 | 12/11 |
| AVG. MAXIMUM | 52.2 | | 43.9 | 8.3 | 48.1 | |
| AVG. MINIMUM | 35.5 | | 28.0 | 7.5 | 33.8 | |
| MEAN | 43.9 | | 36.0 | 7.9 | 41.0 | |
| DAYS MAX >= 90 | 0 | | 0.0 | 0.0 | 0 | |
| DAYS MAX <= 32 | 1 | | 5.0 | -4.0 | 1 | |
| DAYS MIN <= 32 | 11 | | 19.8 | -8.8 | 18 | |
| DAYS MIN <= 0 | 0 | | 0.4 | -0.4 | 0 | |

PRECIPITATION (INCHES)

RECORD

| | | | | | | |
|--------------------------|-------|----------------|------|------|------|--|
| MAXIMUM | 10.17 | 1990 | | | | |
| MINIMUM | 0.61 | 1965 | | | | |
| TOTALS | 5.97 | | 3.93 | 2.04 | 6.06 | |
| DAILY AVG. | 0.19 | | 0.13 | 0.06 | 0.20 | |
| DAYS >= .01 | 13 | | 12.4 | 0.6 | 10 | |
| DAYS >= .10 | 10 | | 7.4 | 2.6 | 7 | |
| DAYS >= .50 | 2 | | 2.8 | -0.8 | 4 | |
| DAYS >= 1.00 | 2 | | 0.7 | 1.3 | 4 | |
| GREATEST 24 HR. TOTAL | 2.63 | 11/30 TO 12/01 | | | | |

SNOWFALL (INCHES)

RECORDS

| | | | | | | |
|----------------|------|--------|-----|------|-----|--|
| TOTAL | 19.4 | 5 0 | | | | |
| TOTALS | T | | 2.5 | -2.5 | 0.1 | |
| SINCE 7/1 | 1.8 | | 2.8 | -1.0 | 1.1 | |
| SNOWDEPTH AVG. | 0 | | MM | MM | 0 | |



J. J. Construction Co.
 P.O. BOX 457 CYNTHIANA KENTUCKY 41031
 Telephone (606) 244-6700 Fax (606) 234-3180
 www.jjconstructionco.com

1/22/2020

GRW Engineers
 801 Corporate Dr.
 Lexington, KY 40503

Attn: Alan Bryan, P.E.

Re: East Hickman Wet Weather Storage
 Change Order Proposal #12
 Contract Time

Dear Mr. Bryan,

This letter is to request additional time be added to the contract for abnormal site conditions related to weather and unusually saturated soil conditions at the above referenced project. As can be seen in the photos on the inspector's daily reports, the Southeast area of the site was extremely wet during clearing, relocation of the 10" force main, excavation of the tank, and installation of the caissons. This was caused by leakage from the reservoir dam and the wet weather conditions experienced from May to October 2018. This heavily impacted the time it took to complete each of these activities beyond what would be reasonably expected with the weather we observed. In addition, our schedule was impacted by the bald eagle memo that restricted clearing trees during the months of June and July. We were forced to focus more on clearing the site and this took resources away from starting the excavation of the pump station and the tank.

Lastly, the pump station excavation was flooded several times due to excessive storm drainage from Buckhorn Drive through the site. I have attached a photo of one of the rain events that show the flow of water down the drive way toward the pump station excavation. This flooding delayed the completion of the excavation which negatively impacted the schedule. I have listed each activity below and the additional days that we are requesting.

| | |
|----------------------------|----------------|
| Site Clearing | 15 days |
| Tank Excavation | 15 days |
| Installation of Caissons | 20 days |
| Excavation of Pump station | 20 days |
| Relocation of 10" FM | <u>4 days</u> |
| TOTAL | 74 days |



Alan Bryan, P.E.

[Handwritten signature]



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I appreciate your attention to this mater. Please feel free to contact me if you have any questions

Sincerely,

A handwritten signature in black ink, appearing to read "Paul Lawrence", with a long horizontal flourish extending to the right.

Paul Lawrence, Project Manager

Cc: Ben Williams
Darryl Wells
COP File

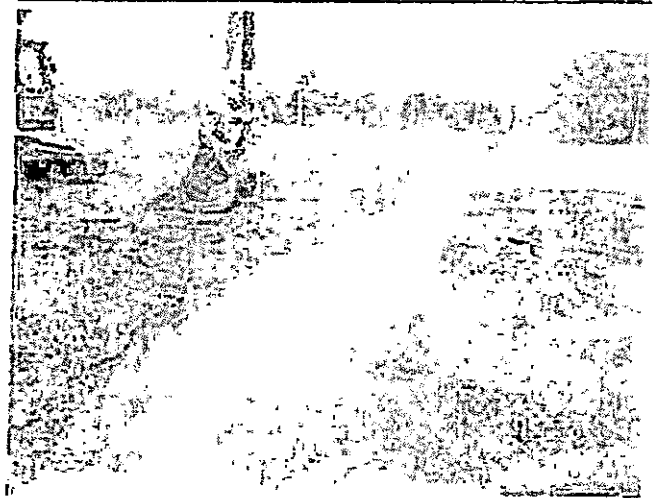


Activities: Photo #1



View of site access road storm water flow

Activities: Photo #2



Site storm water flow

Activities: Photo #3



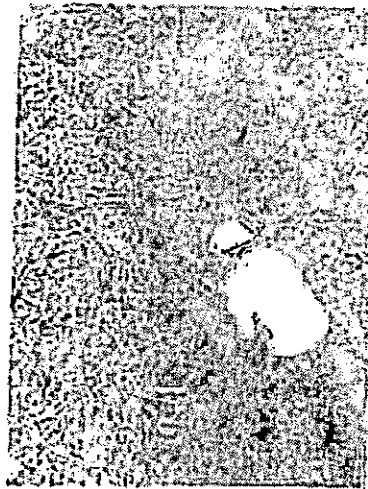
Storm water flow through temporary ditch, silt fence in foreground.

Activities: Photo #1



Contractor locating 10" PVC Bluesky FM at station 0+00.

Activities: Photo #2



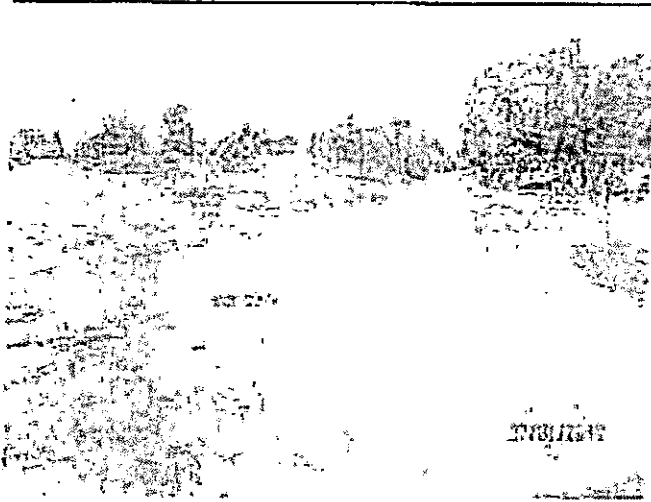
10" Bluesky FM located at station 0+00

Activities: Photo #3



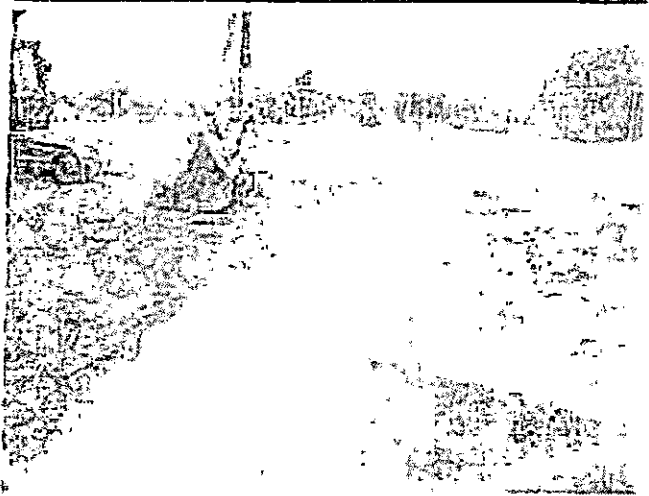
10" PVC Bluesky FM located at station 0+00 with approximately 6' of cover

Activities: Photo #1



View of site access road storm water flow

Activities: Photo #2



Site storm water flow

Activities: Photo #3



Storm water flow through temporary ditch, silt fence in foreground.

Activities: Photo #1



Contractor cutting Crom Tank site to elevation for pier construction

Activities: Photo #2



Site of pump station wet well and influent trough. Subcontractor, RL Caudill drilling and loading pre-split holes with explosives on South end of influent trough.

Activities: Photo #3



Subcontractor, RL Caudill shooting pre-split holes on South side of pump station influent trough. Shot at approximately 3:15 pm.

Activities: Photo #1



RL Caudill loading predrilled holes with explosives.

Activities: Photo #2



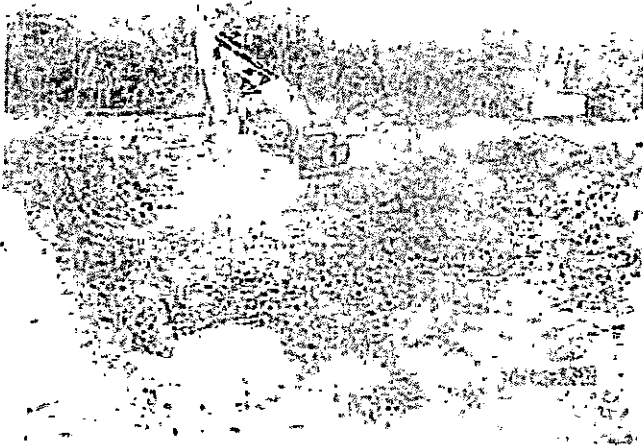
Crane mats laid over blast site

Activities: Photo #3



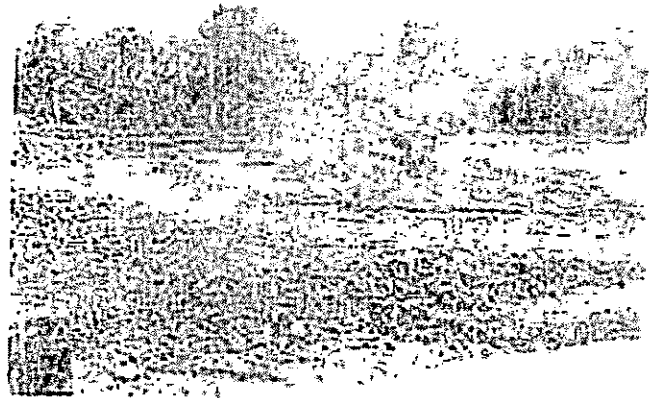
Post blast site after explosives were set off.

Activities: Photo #1



Contractor excavating rock from site of pump station construction.

Activities: Photo #2



Contractor constructing shot rock base in storage tank footprint to support drill operation for pier construction.

Activities: Photo #1



Pump station site flooded from precipitation

Activities: Photo #2



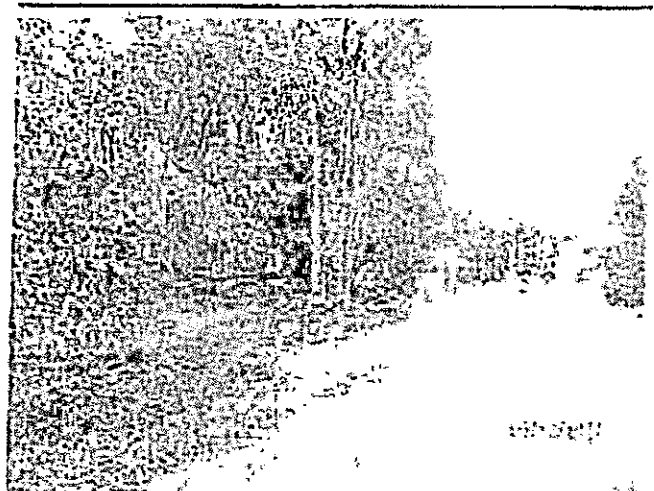
Wet Well Storage Tank flooded from precipitation.

Activities: Photo #3



Trees removed and land grubbed on West side of site where line B to be constructed.

Activities: Photo #4



Trees removed and land grubbed on West side of site where line B to be constructed.

Activities: Photo #1



East side of wet Weather Storage Tank site

Activities: Photo #2



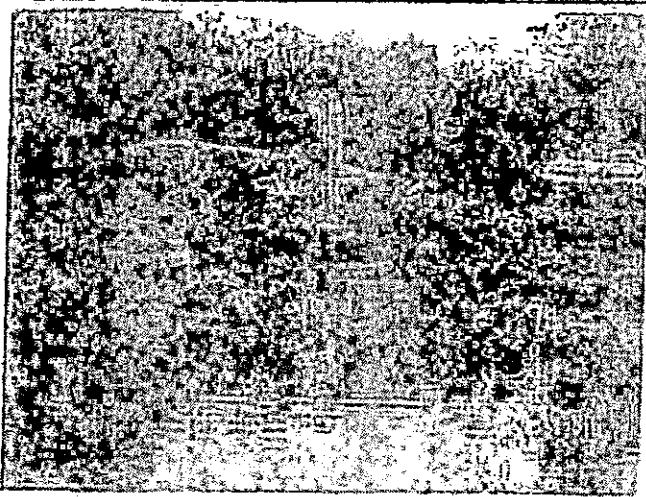
East perimeter pier construction

Activities: Photo #3



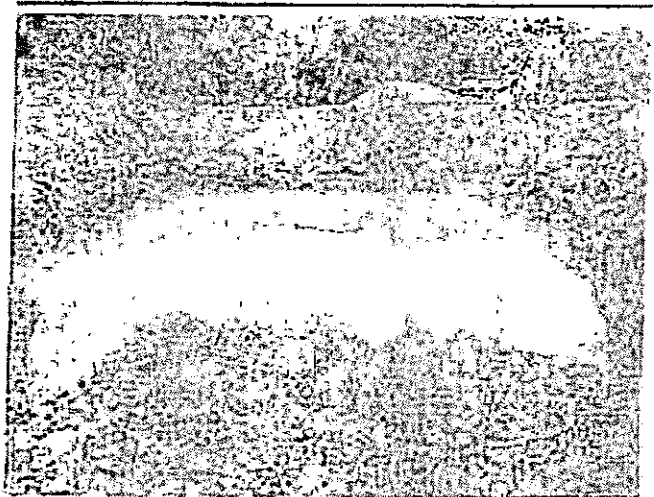
East perimeter pier construction

Activities: Photo #1



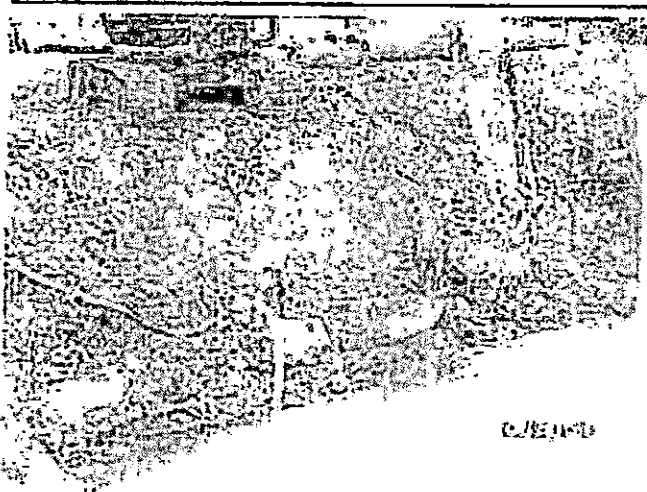
Contractor installing additional pump in wet weather storage tank site.

Activities: Photo #2



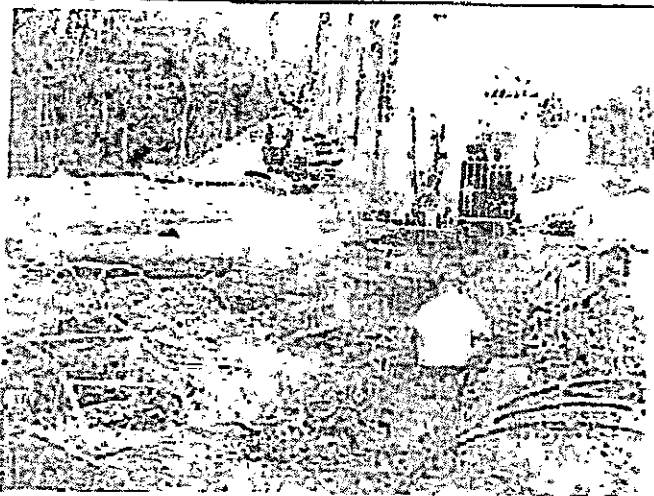
Pump Station site flooded due to recent precipitation.

Activities: Photo #3



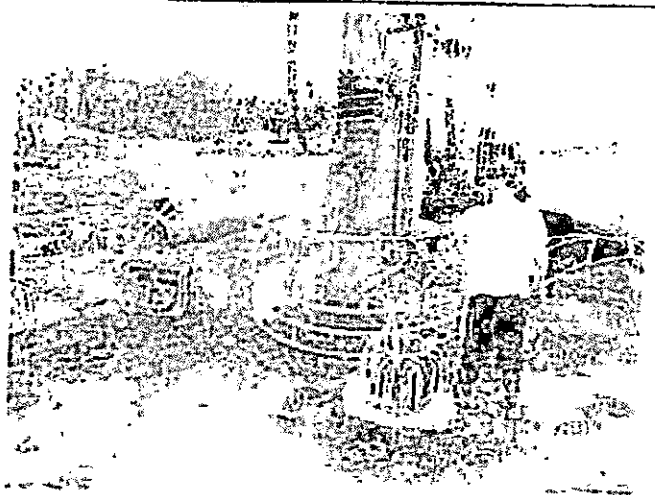
Contractor installing an additional 3" pump in pump station wet well

Activities: Photo #1



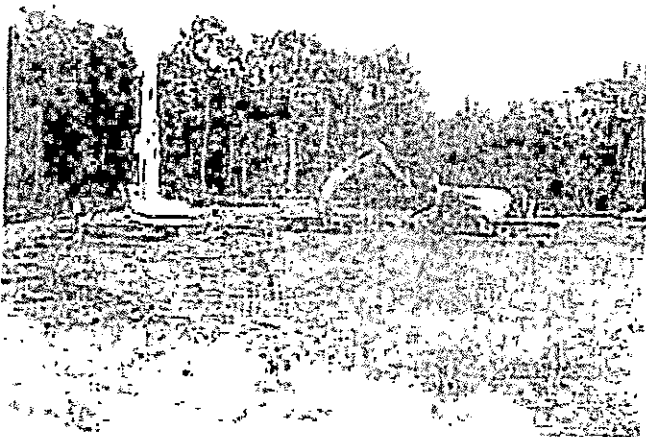
Hayes Drilling Inc. starting a hole for pier.

Activities: Photo #2



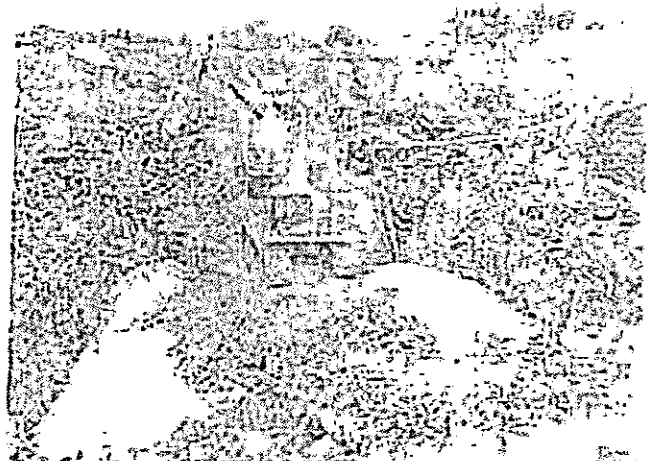
Hayes Inc. using water and mud clean out tool during pier construction.

Activities: Photo #3



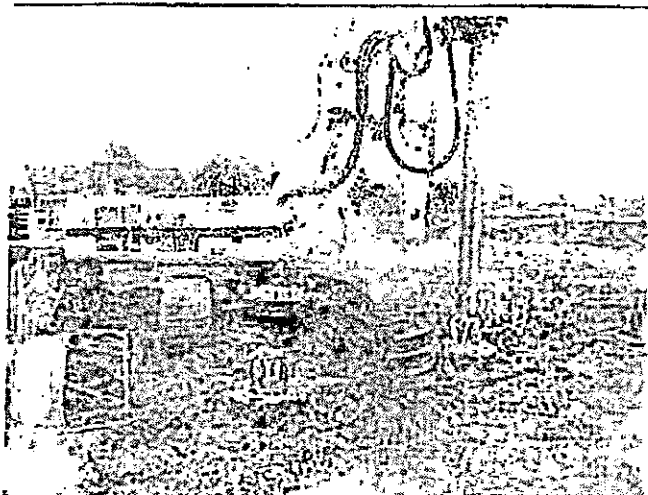
Wet Weather Storage Tank pier construction

Activities: Photo #4



Pump Station wet well excavation

Activities: Photo #1



Subcontractor, Hayes Drilling Inc. drilling pier holes in wet weather storage tank site.

Activities: Photo #2



Contractor installing structural steel cage in pier hole

Activities: Photo #3



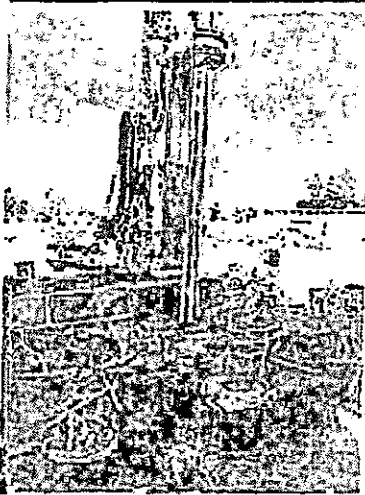
Subcontractor, Hayes Drilling constructing pier with the addition of concrete.

Activities: Photo #4



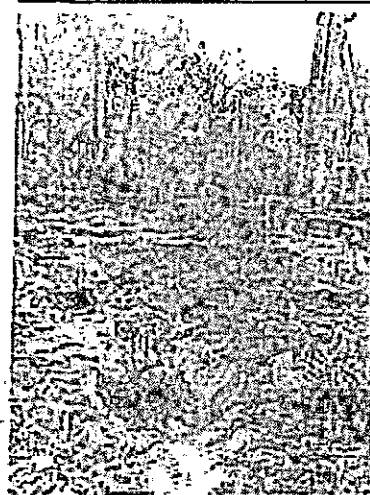
Contractor pumping water from wet well area in pump station site.

Activities: Photo #1



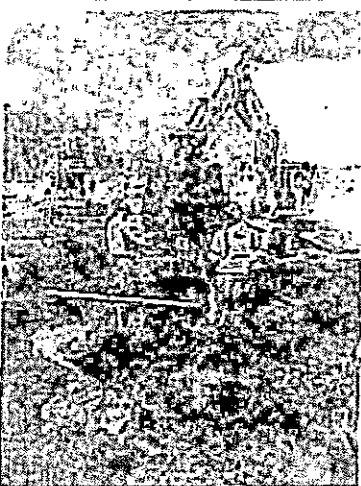
Subcontractor, Hayes Drilling Inc. drilling holes in wet weather storage tank site for pier construction.

Activities: Photo #2



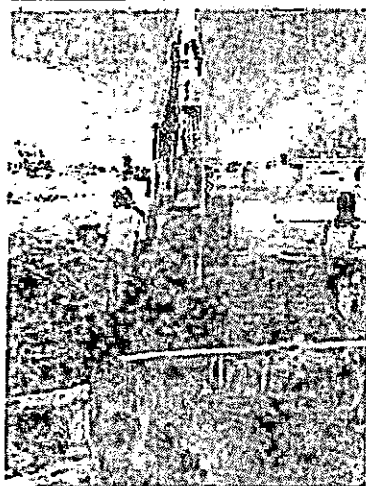
Piers constructed on the Southwest portion on tank site.

Activities: Photo #3



Hayes Drilling installing structural steel for pier construction

Activities: Photo #4



Subcontractor checking elevation of steel during pier construction.