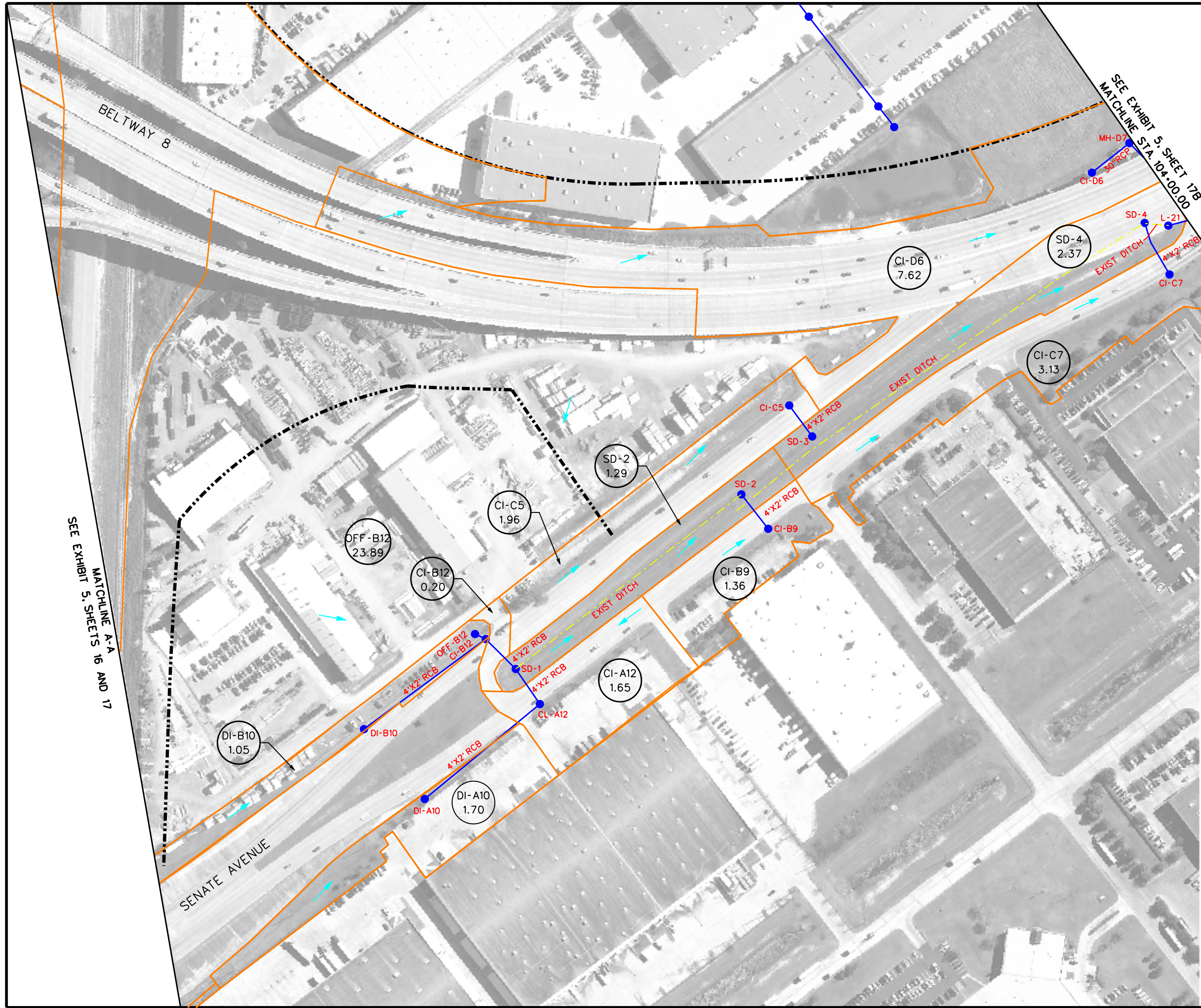
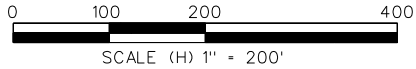


LEGEND

- DRAINAGE AREA BOUNDARY
- EXIST. STM SWR/CULVERTS
- EXIST. CHANNEL/DITCH
- INLET/MH (ANALYSIS NODE)
- SHEET FLOW DIRECTION
- DRAINAGE AREA LABEL/
DRAINAGE AREA SIZE (AC)



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US 290 PMC

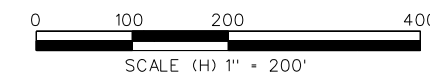
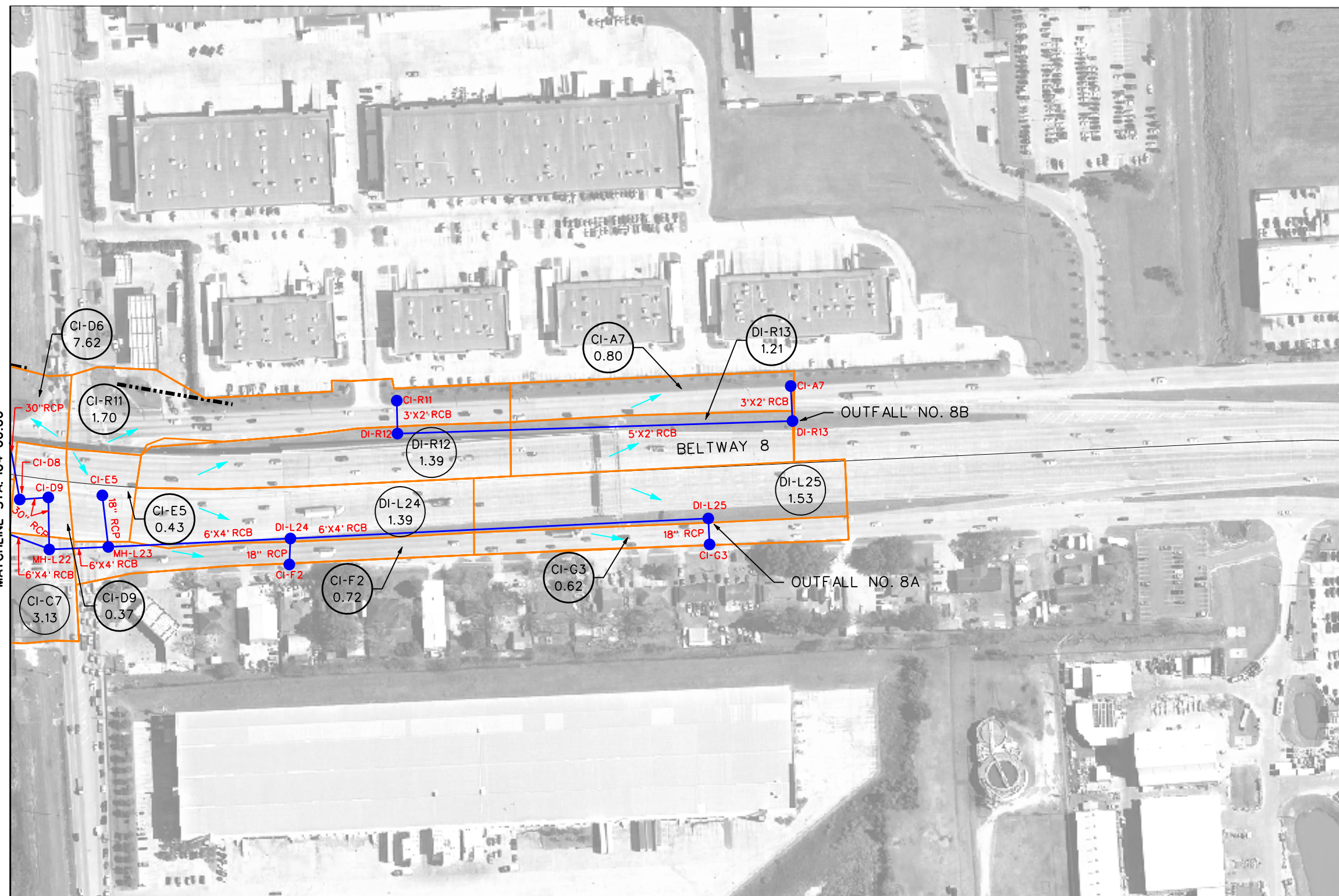
EXISTING DRAINAGE AREA MAP



LEGEND

- DRAINAGE AREA BOUNDARY
- EXIST. STM SWR/CULVERTS
- - - EXIST. CHANNEL/DITCH
- INLET/MH (ANALYSIS NODE)
- SHEET FLOW DIRECTION
- ML-03
4.49 DRAINAGE AREA LABEL/
DRAINAGE AREA SIZE (AC)

SEE EXHIBIT 5, SHEET 17A
MATCHLINE STA. 104+00.00



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US 290 PMC

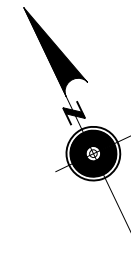
EXISTING DRAINAGE AREA MAP

SHEET 17B OF 36

2/28/2012

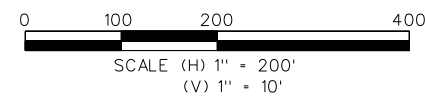
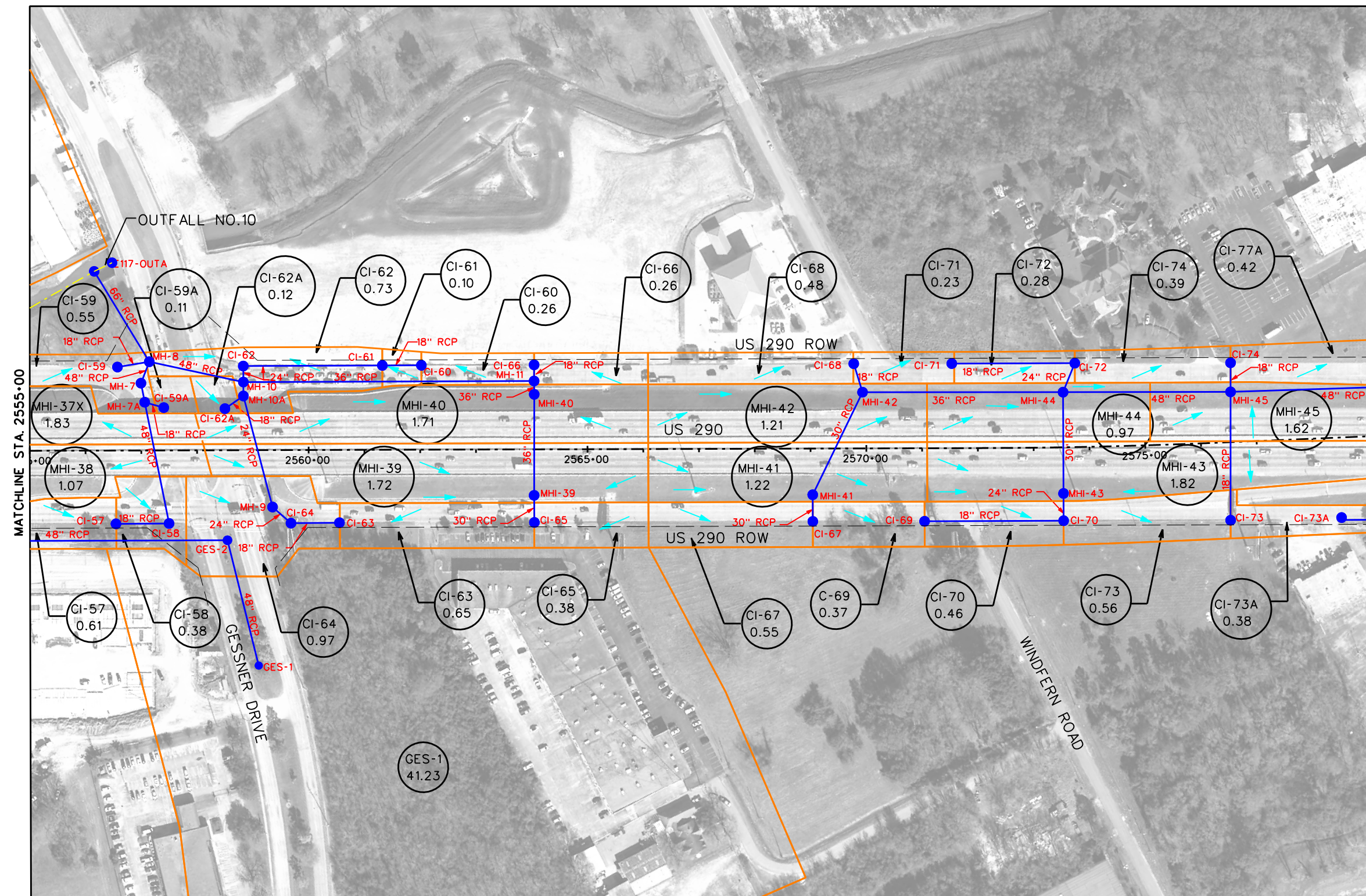
EXHIBIT 5

\\DRA\Existing_17B-SWRev.dgn



LEGEND

- DRAINAGE AREA BOUNDARY
- EXIST. STM SWR/CULVERTS
- EXIST. CHANNEL/DITCH
- INLET/MH (ANALYSIS NODE)
- SHEET FLOW DIRECTION
- DRAINAGE AREA LABEL/
DRAINAGE AREA SIZE (AC)



PRELIMINARY
SUBJECT TO CHANGE



US 290 PMC

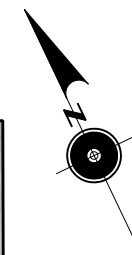
EXISTING DRAINAGE AREA MAP

SHEET 20 OF 36

8/27/2009

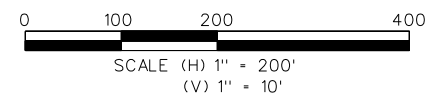
EXHIBIT 5

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LEGEND

- DRAINAGE AREA BOUNDARY
- EXIST. STM SWR/CULVERTS
- EXIST. CHANNEL/DITCH
- INLET/MH (ANALYSIS NODE)
- SHEET FLOW DIRECTION
- DRAINAGE AREA LABEL/
DRAINAGE AREA SIZE (AC)



PRELIMINARY
SUBJECT TO CHANGE



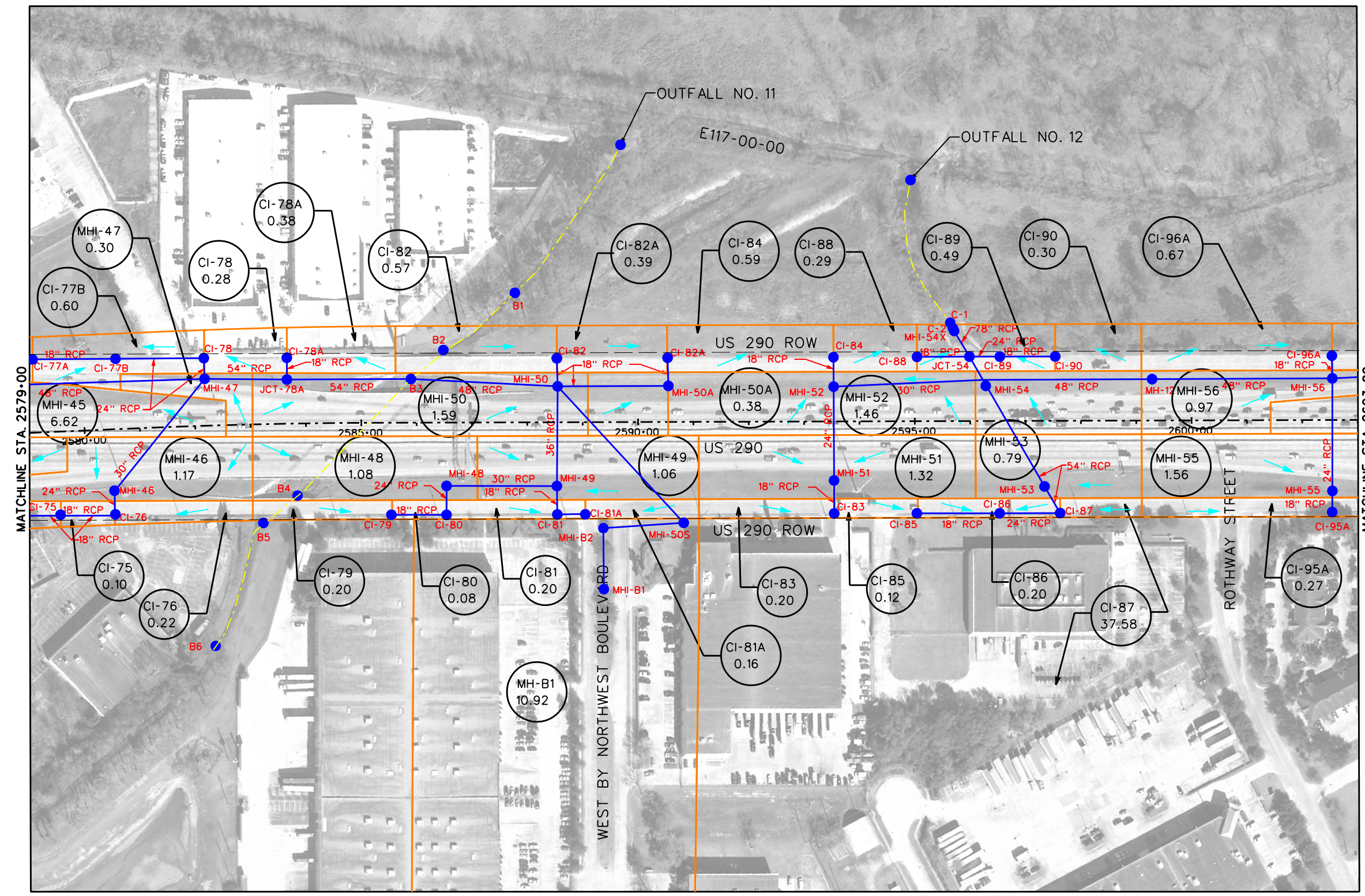
US 290 PMC

EXISTING DRAINAGE AREA MAP

SHEET 21 OF 36

8/27/2009

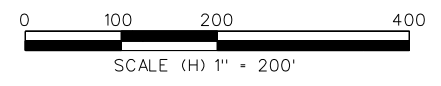
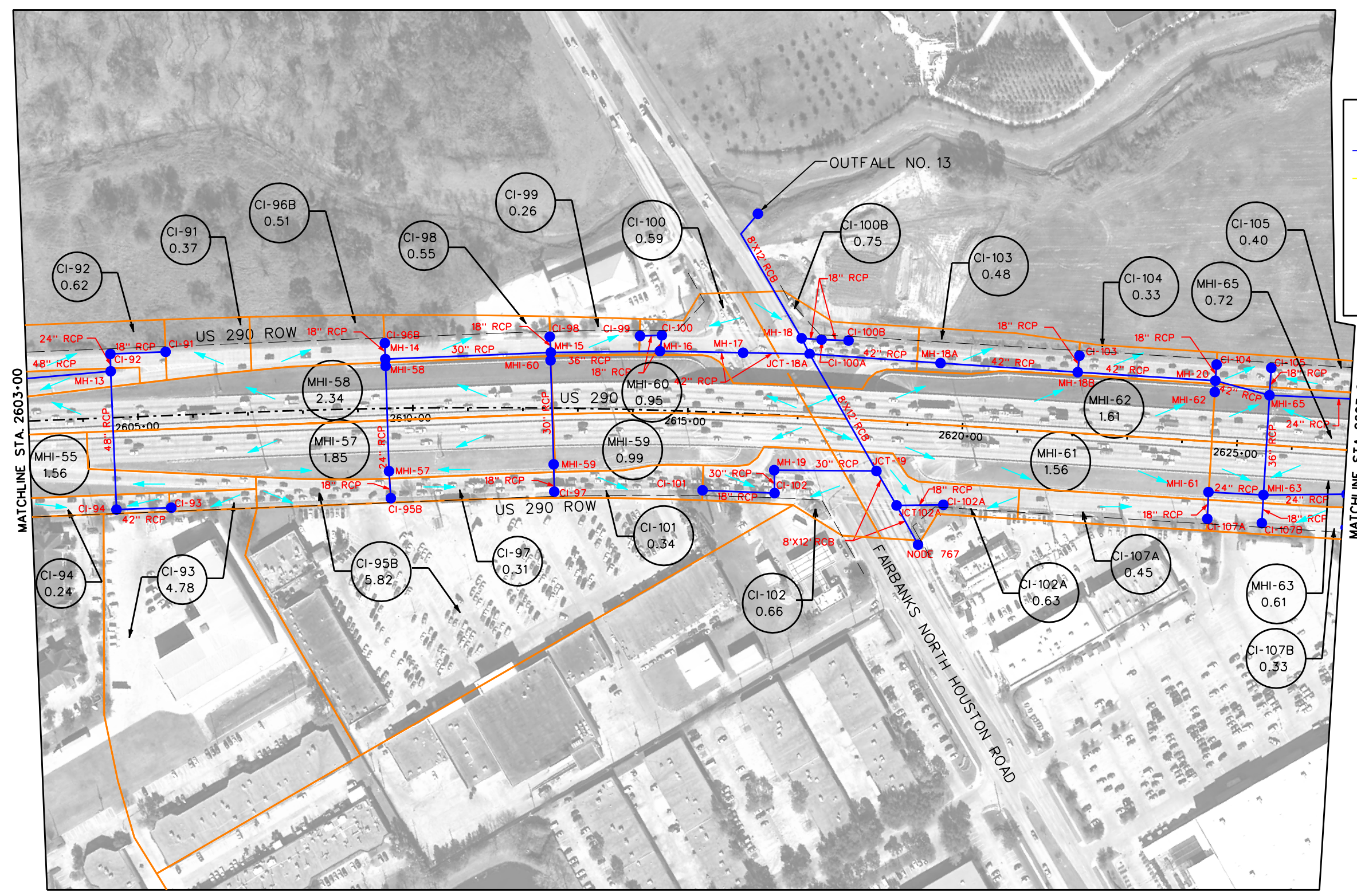
EXHIBIT 5





LEGEND

- DRAINAGE AREA BOUNDARY
- EXIST. STM SWR/CULVERTS
- EXIST. CHANNEL/DITCH
- INLET/MH (ANALYSIS NODE)
- SHEET FLOW DIRECTION
- DRAINAGE AREA LABEL/
DRAINAGE AREA SIZE (AC)



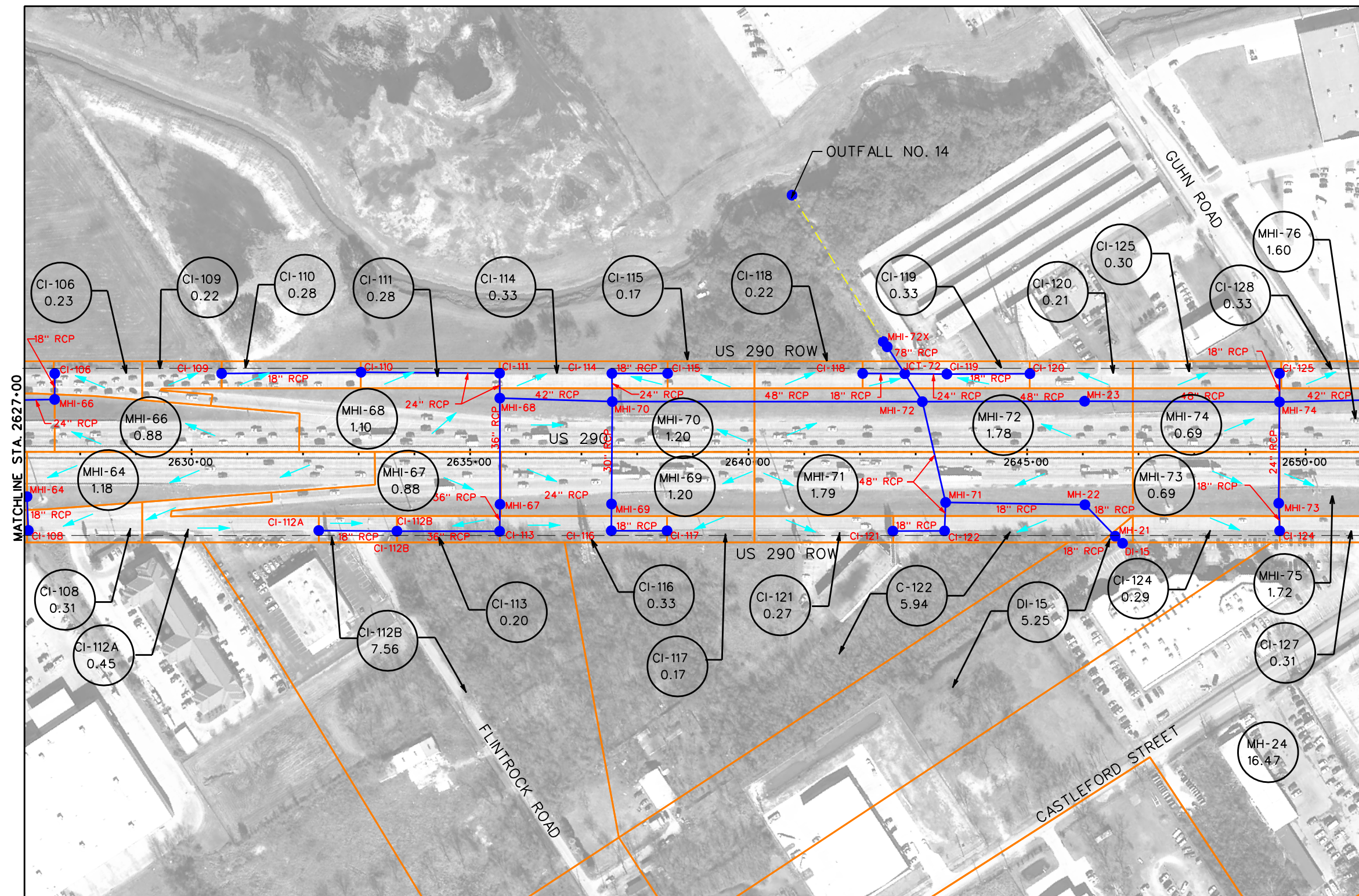
PRELIMINARY
SUBJECT TO CHANGE



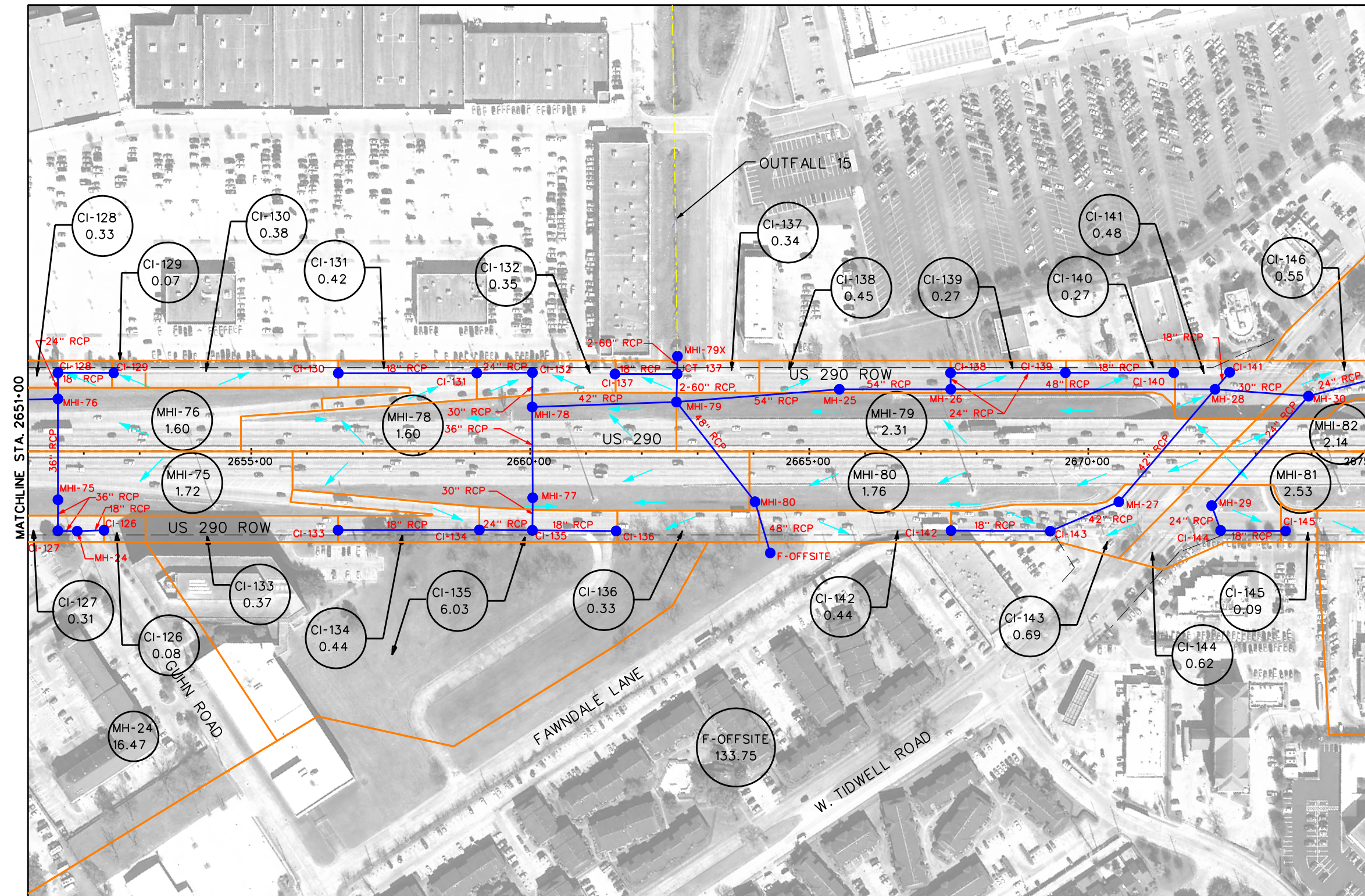
US 290 PMC

EXISTING DRAINAGE AREA MAP

\\Phasell\DRAs\Existing_22.dgn

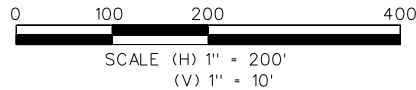


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LEGEND

- DRAINAGE AREA BOUNDARY
- EXIST. STM SWR/CULVERTS
- EXIST. CHANNEL/DITCH
- INLET/MH (ANALYSIS NODE)
- SHEET FLOW DIRECTION
- DRAINAGE AREA LABEL/
DRAINAGE AREA SIZE (AC)



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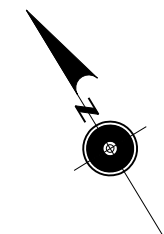
EXISTING DRAINAGE AREA MAP

SHEET 24 OF 36

8/27/2009

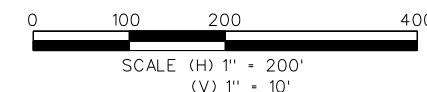
EXHIBIT 5

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LEGEND

- DRAINAGE AREA BOUNDARY
- EXIST. STM SWR/CULVERTS
- EXIST. CHANNEL/DITCH
- INLET/MH (ANALYSIS NODE)
- SHEET FLOW DIRECTION
- DRAINAGE AREA LABEL/
DRAINAGE AREA SIZE (AC)



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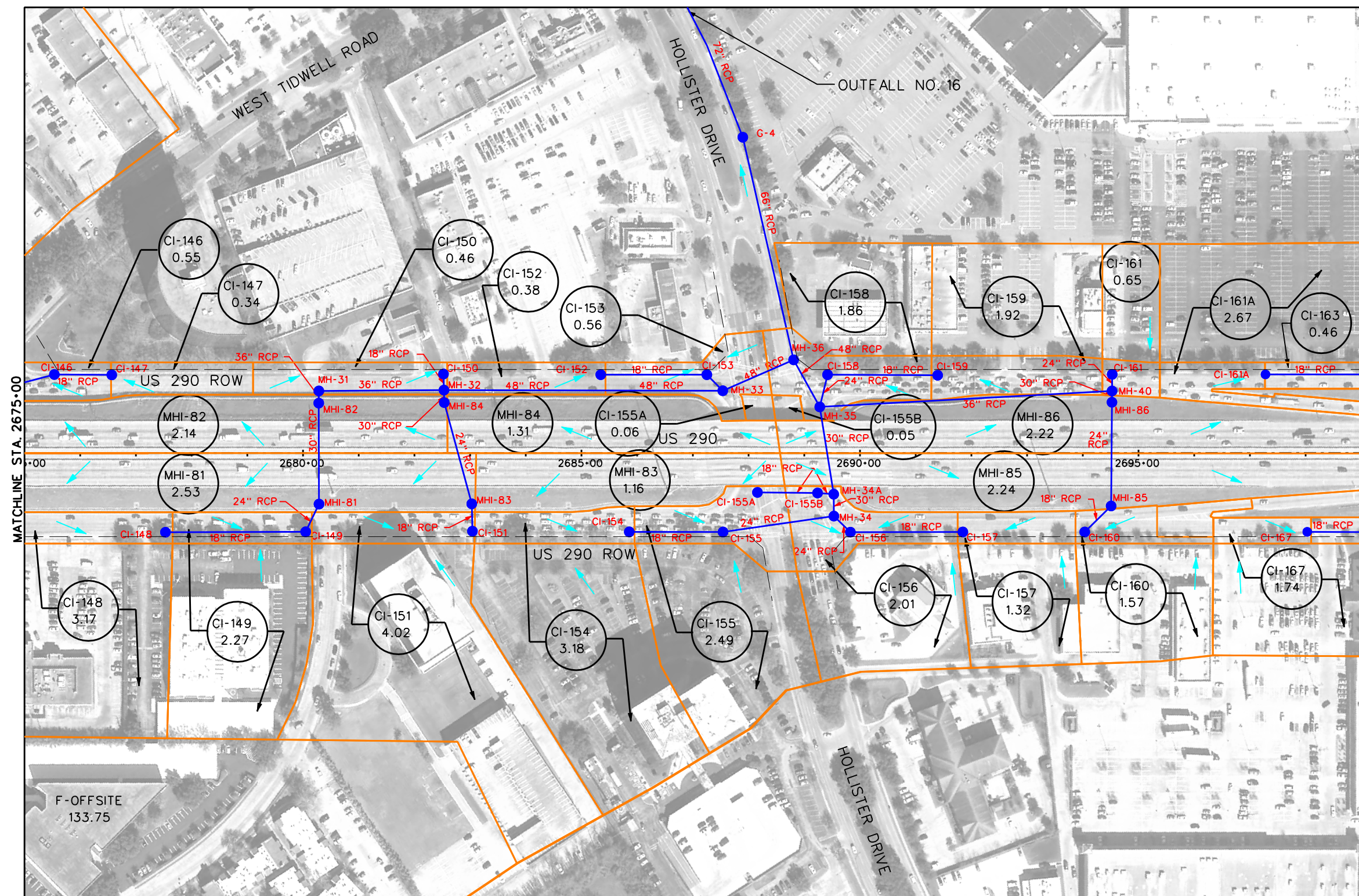
US 290 PMC

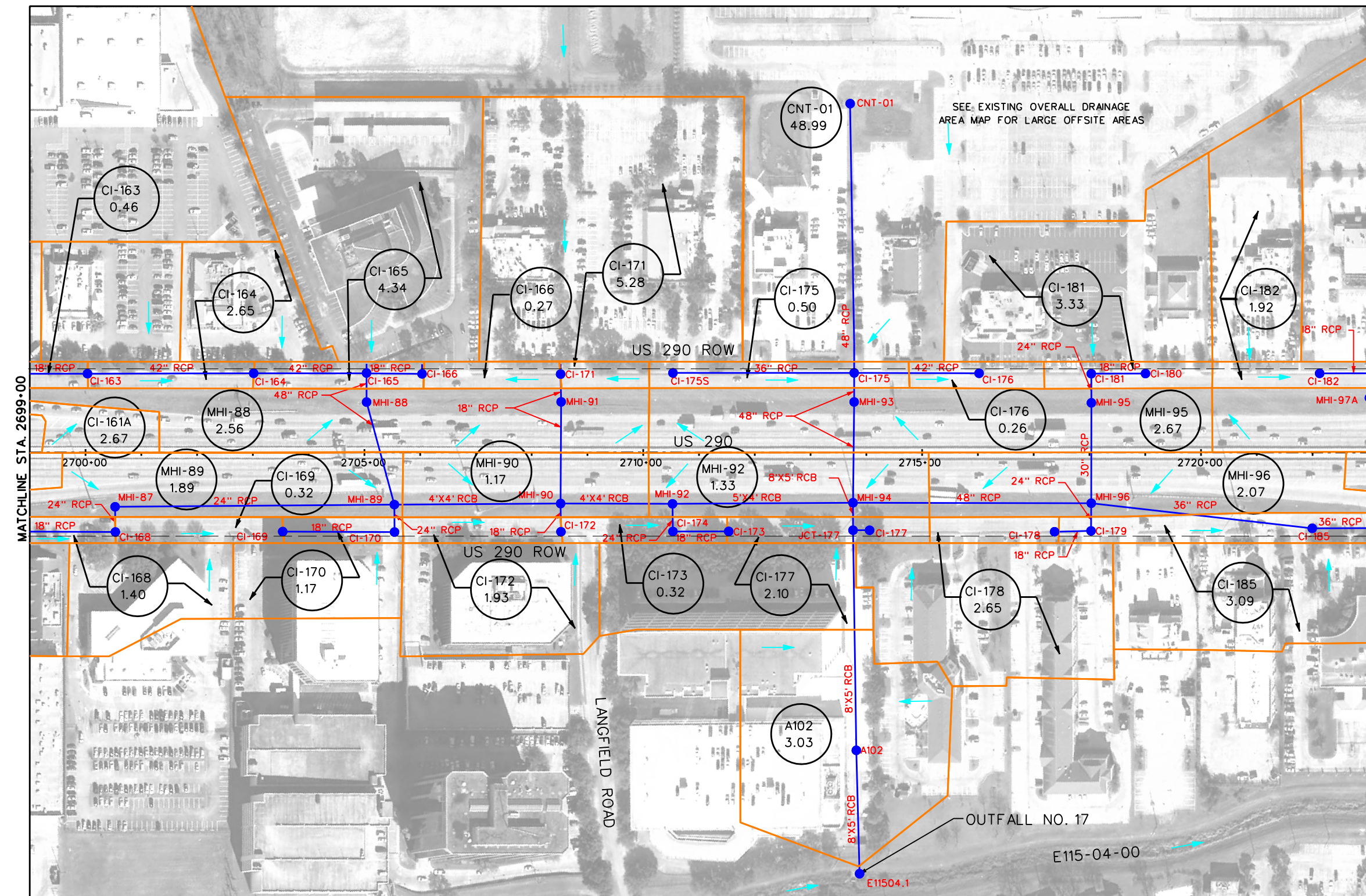
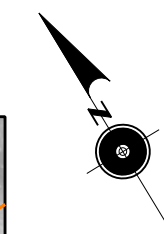
EXISTING DRAINAGE AREA MAP

SHEET 25 OF 36

8/27/2009

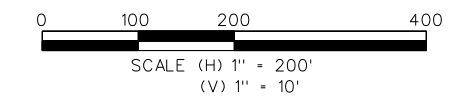
EXHIBIT 5





LEGEND

- DRAINAGE AREA BOUNDARY
- EXIST. STM SWR/CULVERTS
- EXIST. CHANNEL/DITCH
- INLET/MH (ANALYSIS NODE)
- SHEET FLOW DIRECTION
- DRAINAGE AREA LABEL/
DRAINAGE AREA SIZE (AC)



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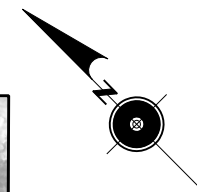
EXISTING DRAINAGE AREA MAP

SHEET 26 OF 36

8/27/2009

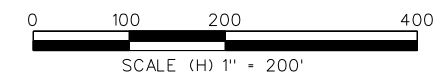
EXHIBIT 5

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LEGEND

- DRAINAGE AREA BOUNDARY
- EXIST. STM SWR/CULVERTS
- - - EXIST. CHANNEL/DITCH
- INLET/MH (ANALYSIS NODE)
- SHEET FLOW DIRECTION
- ML-03
4.49 DRAINAGE AREA LABEL/
DRAINAGE AREA SIZE (AC)



PRELIMINARY
SUBJECT TO CHANGE



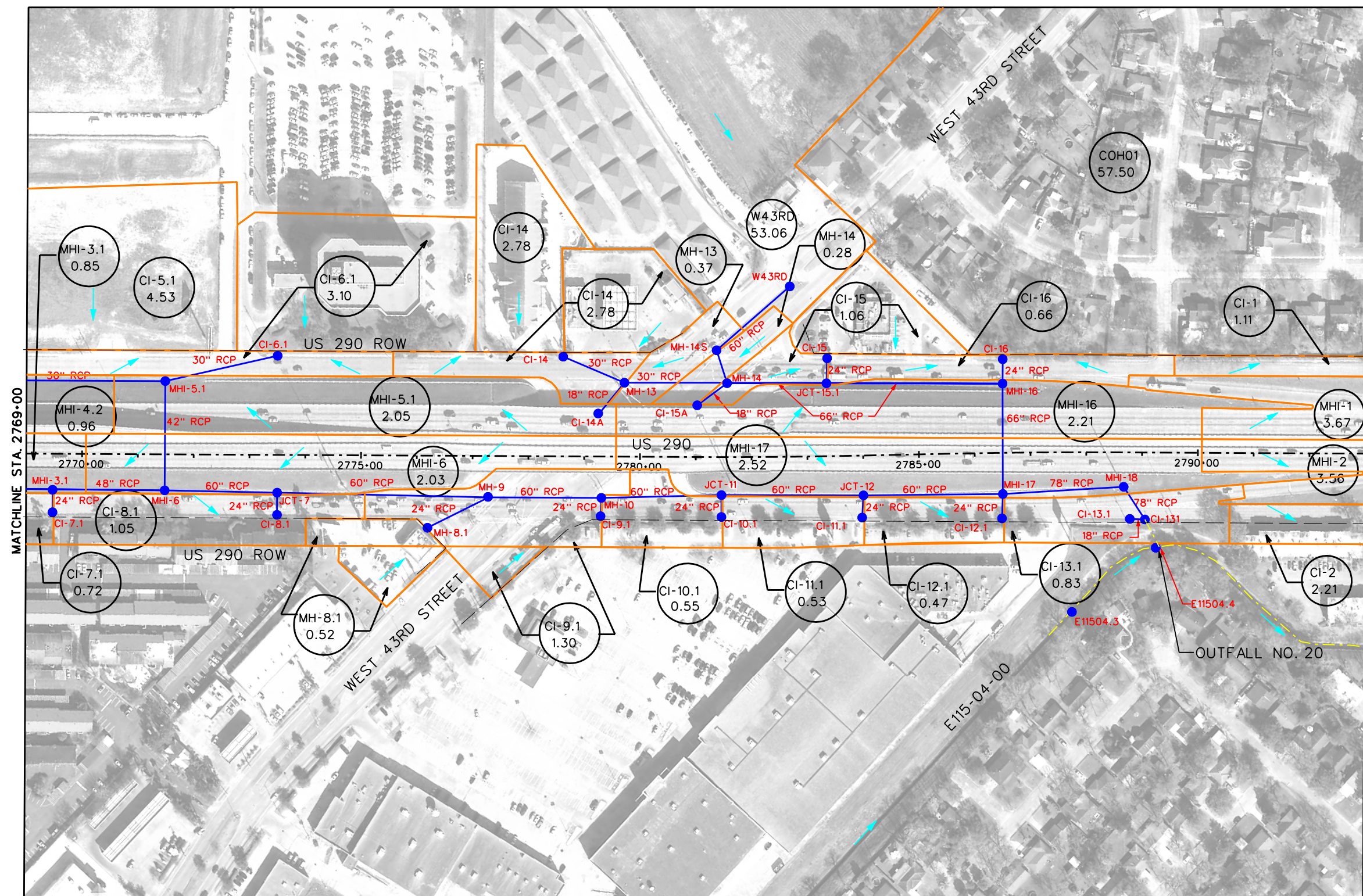
US 290 PMC

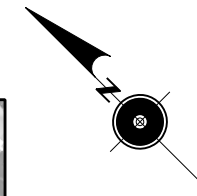
EXISTING DRAINAGE AREA MAP

SHEET 29 OF 36

8/27/2009

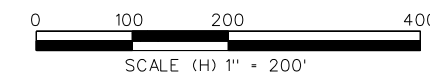
EXHIBIT 5





LEGEND

- DRAINAGE AREA BOUNDARY
- EXIST. STM SWR/CULVERTS
- EXIST. CHANNEL/DITCH
- INLET/MH (ANALYSIS NODE)
- SHEET FLOW DIRECTION
- DRAINAGE AREA LABEL/
DRAINAGE AREA SIZE (AC)



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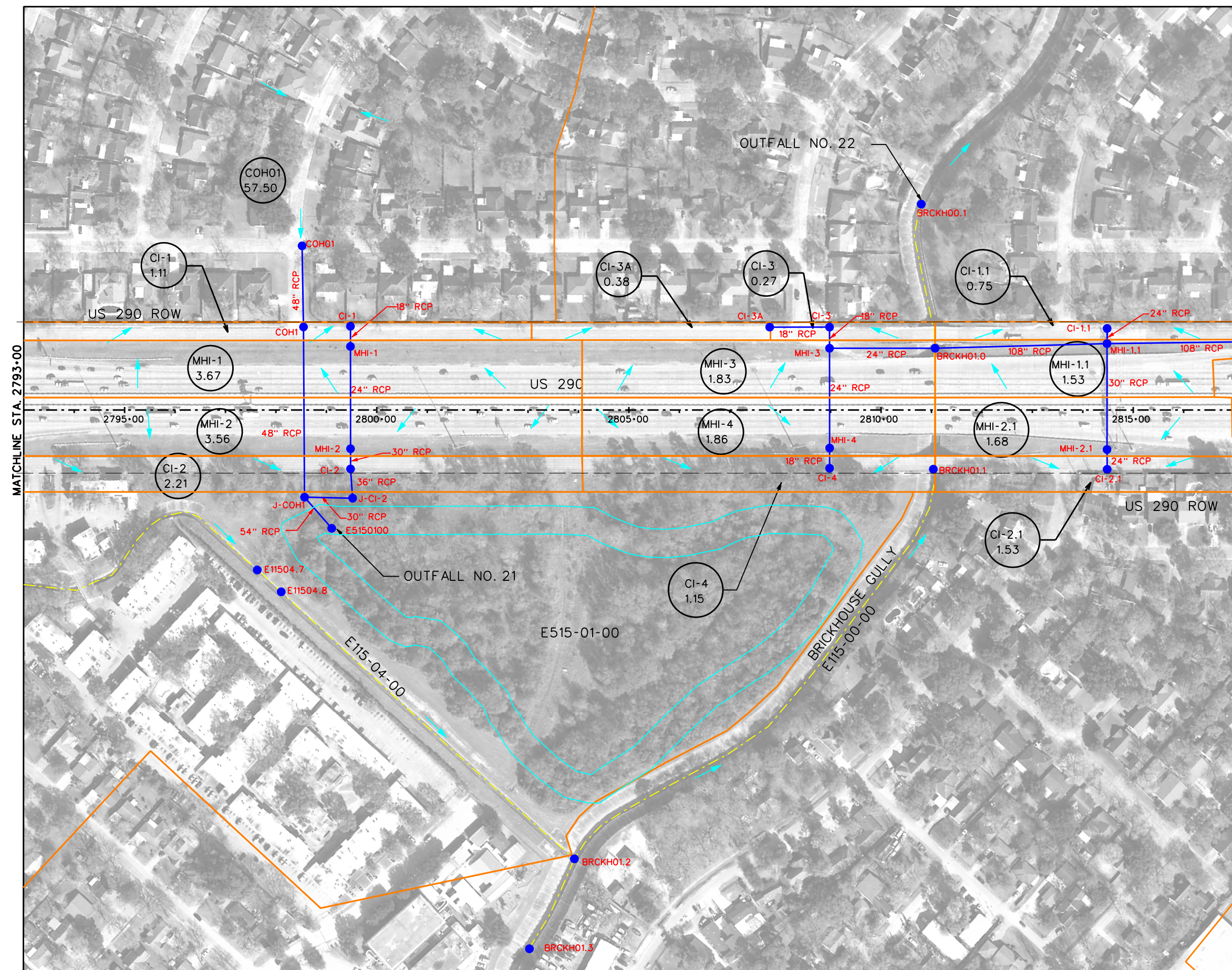
US 290 PMC

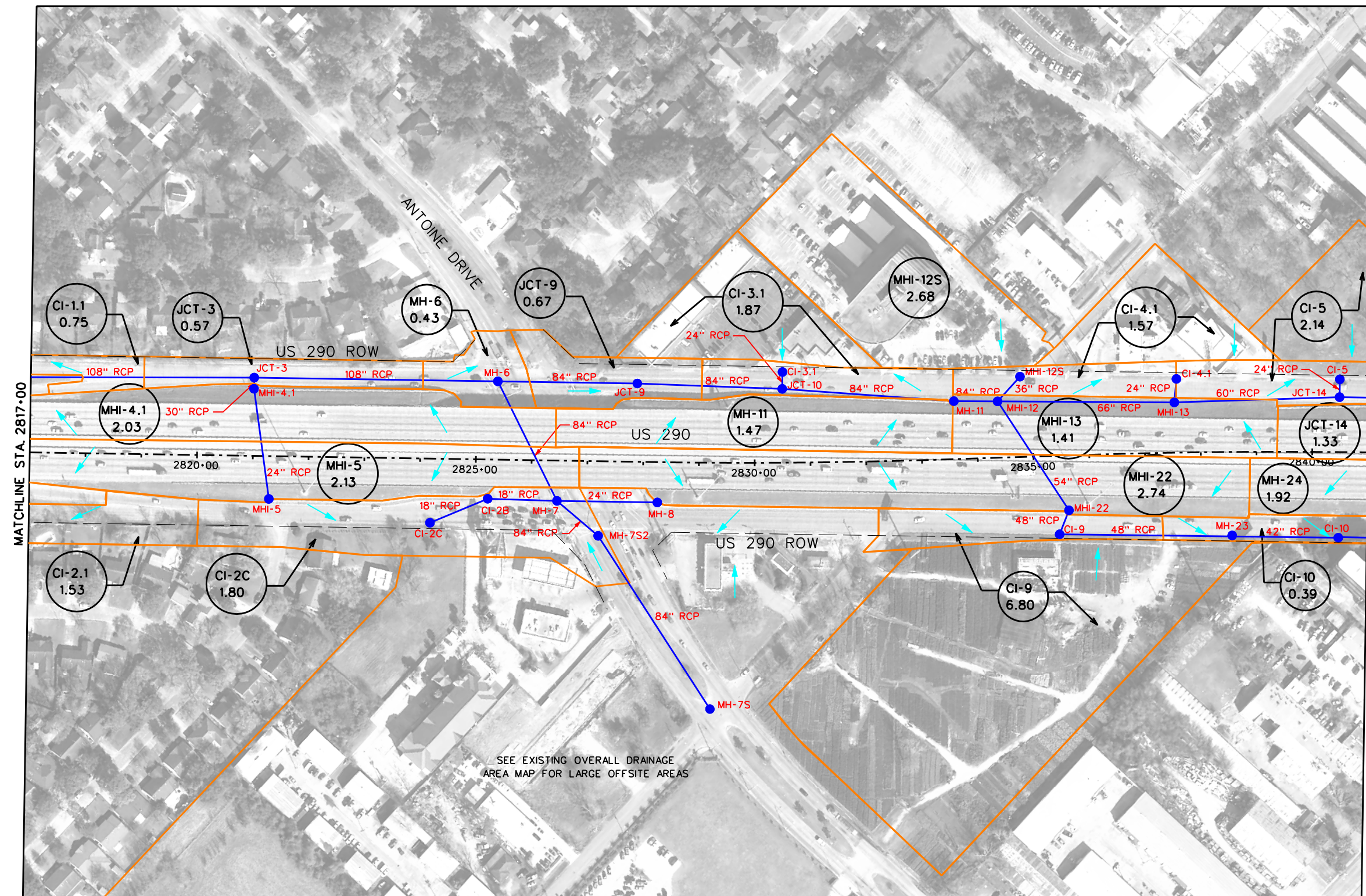
EXISTING DRAINAGE AREA MAP

SHEET 30 OF 36

8/27/2009

EXHIBIT 5



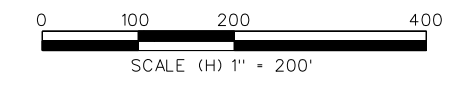


MATCHLINE STA. 2817+00

MATCHLINE STA. 2841+00

LEGEND

- DRAINAGE AREA BOUNDARY
- EXIST. STM SWR/CULVERTS
- EXIST. CHANNEL/DITCH
- INLET/MH (ANALYSIS NODE)
- SHEET FLOW DIRECTION
- ML-03
4.49
- DRAINAGE AREA LABEL/
DRAINAGE AREA SIZE (AC)



SEE EXISTING OVERALL DRAINAGE
AREA MAP FOR LARGE OFFSITE AREAS

**PRELIMINARY
SUBJECT TO CHANGE**

COMMUNITY 290 DRIVEN

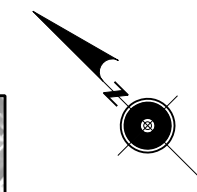
Program Office
Brookhollow III,
2950 North Loop W.
Suite 1150
Houston, Texas 77092



US 290 PMC

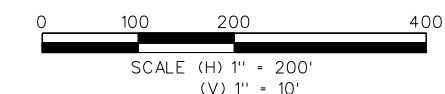
EXISTING DRAINAGE AREA MAP

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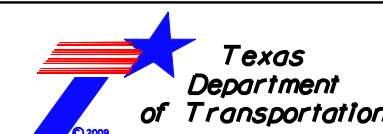


LEGEND

- DRAINAGE AREA BOUNDARY
- EXIST. STM SWR/CULVERTS
- - - EXIST. CHANNEL/DITCH
- INLET/MH (ANALYSIS NODE)
- SHEET FLOW DIRECTION
- ML-03
4.49 DRAINAGE AREA LABEL/
DRAINAGE AREA SIZE (AC)



PRELIMINARY
SUBJECT TO CHANGE



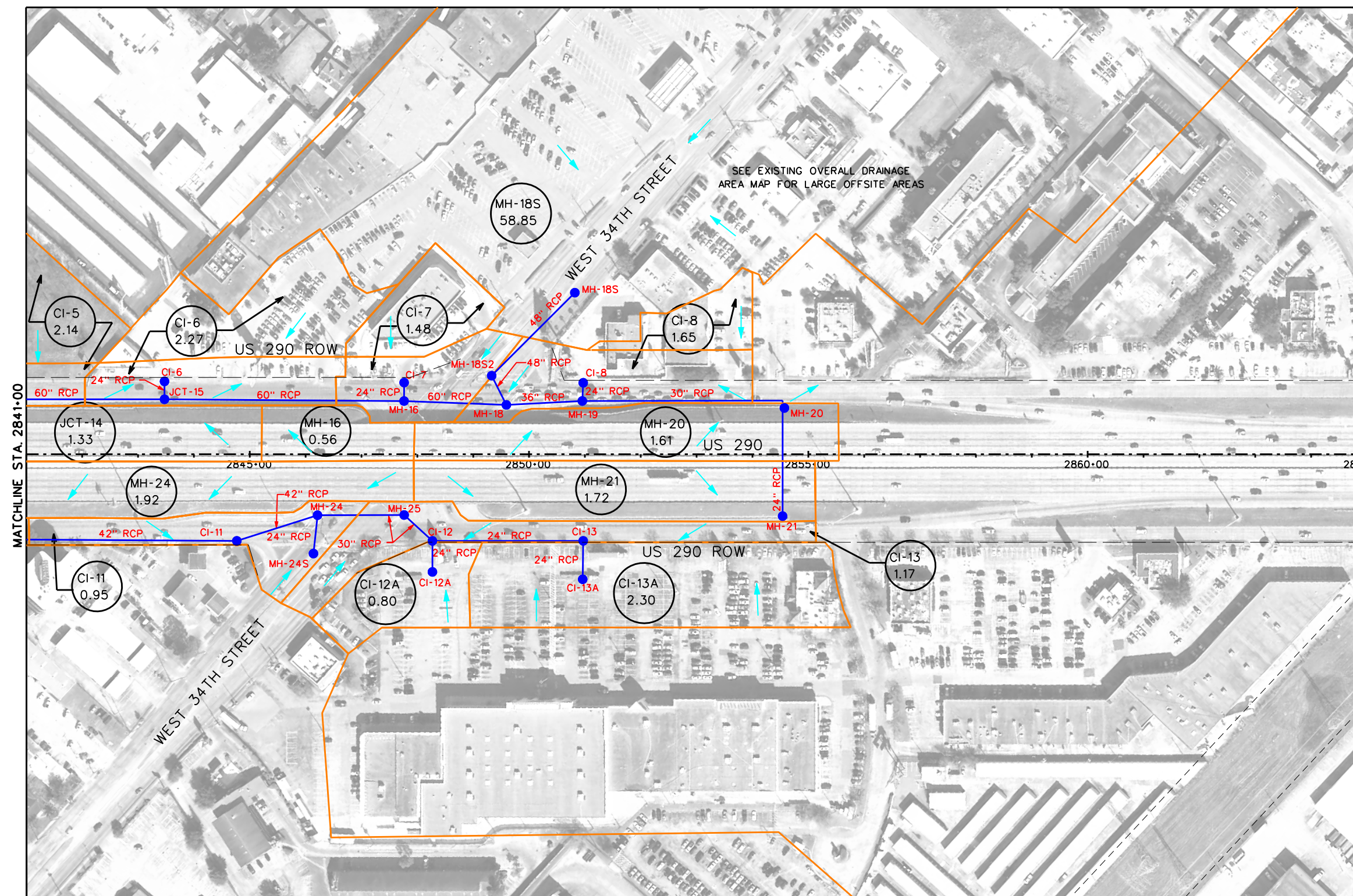
US 290 PMC

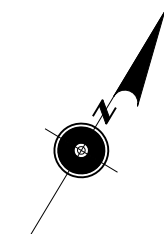
EXISTING DRAINAGE AREA MAP

SHEET 32 OF 36

8/27/2009

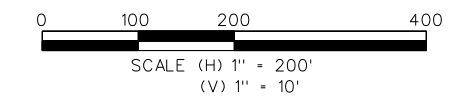
EXHIBIT 5





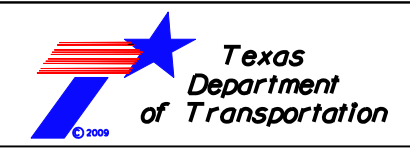
LEGEND

- DRAINAGE AREA BOUNDARY
- EXIST. STM SWR/CULVERTS
- EXIST. CHANNEL/DITCH
- INLET/MH (ANALYSIS NODE)
- SHEET FLOW DIRECTION
- DRAINAGE AREA LABEL/
DRAINAGE AREA SIZE (AC)



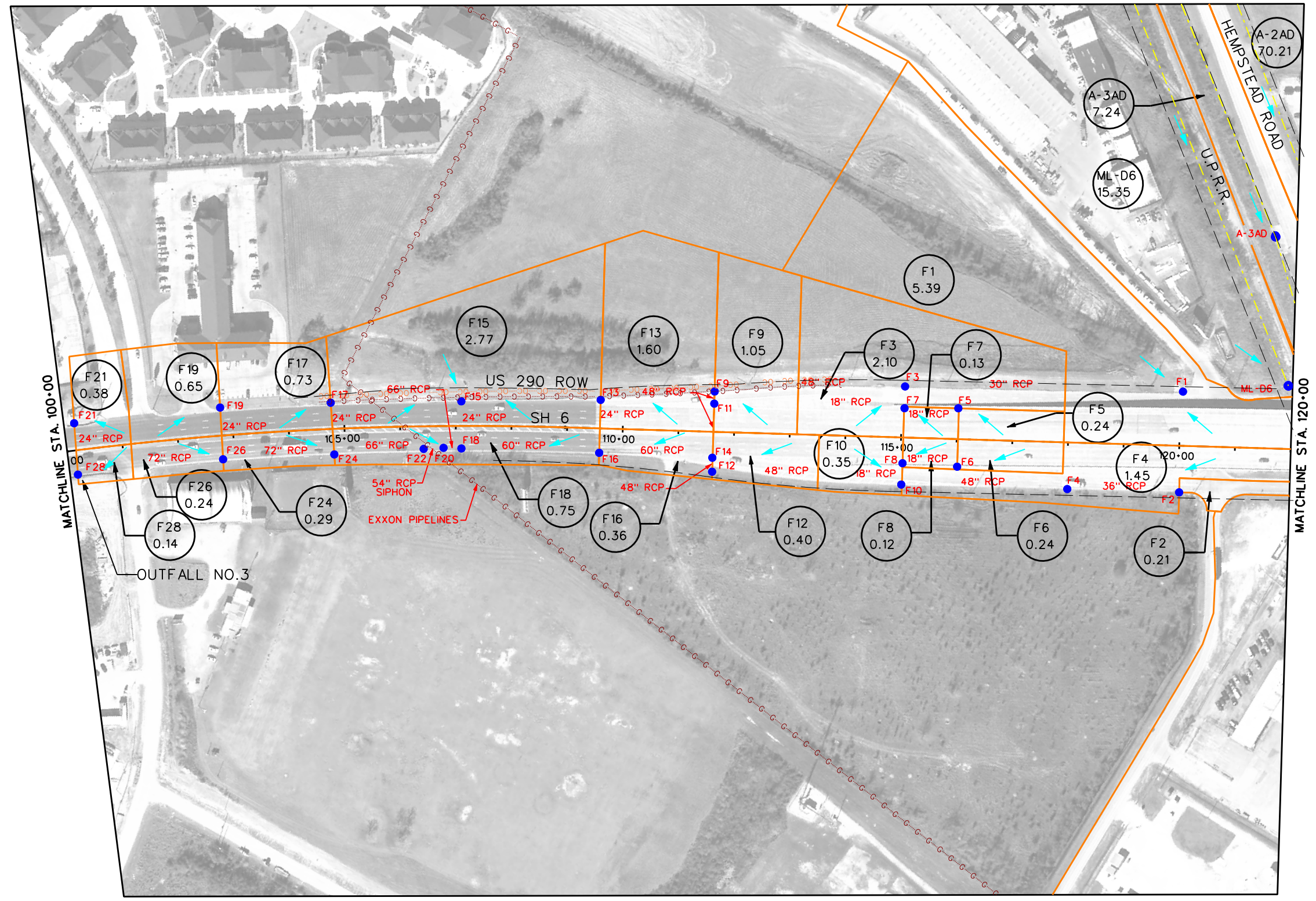
PRELIMINARY
SUBJECT TO CHANGE

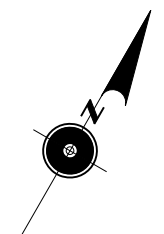
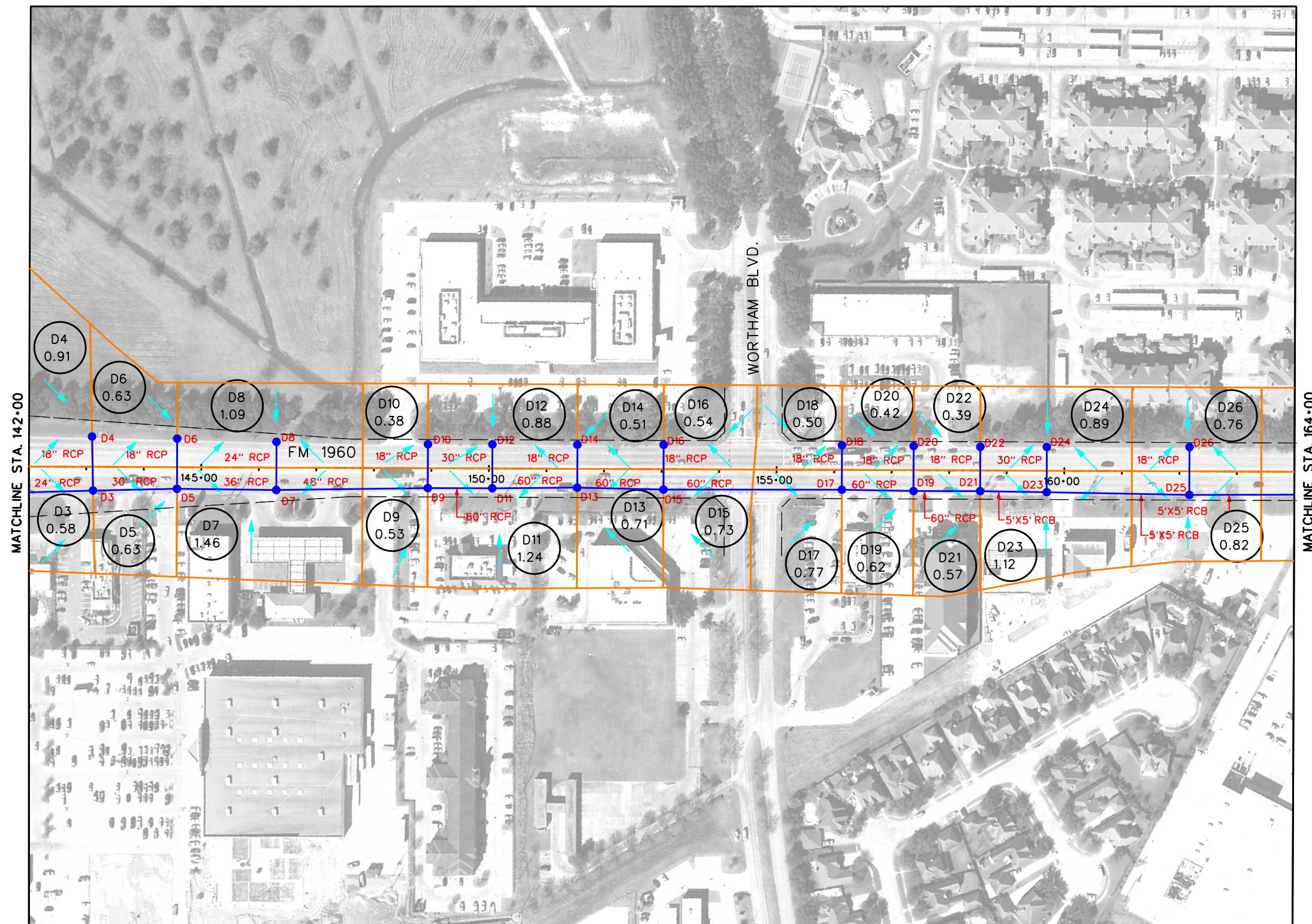
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US 290 PMC

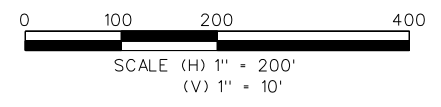
EXISTING DRAINAGE AREA MAP





LEGEND

- DRAINAGE AREA BOUNDARY
- EXIST. STM SWR/CULVERTS
- - - EXIST. CHANNEL/DITCH
- INLET/MH (ANALYSIS NODE)
- SHEET FLOW DIRECTION
- ML-03
4.49 DRAINAGE AREA LABEL/
DRAINAGE AREA SIZE (AC)



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US 290 PMC

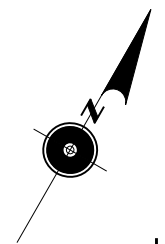
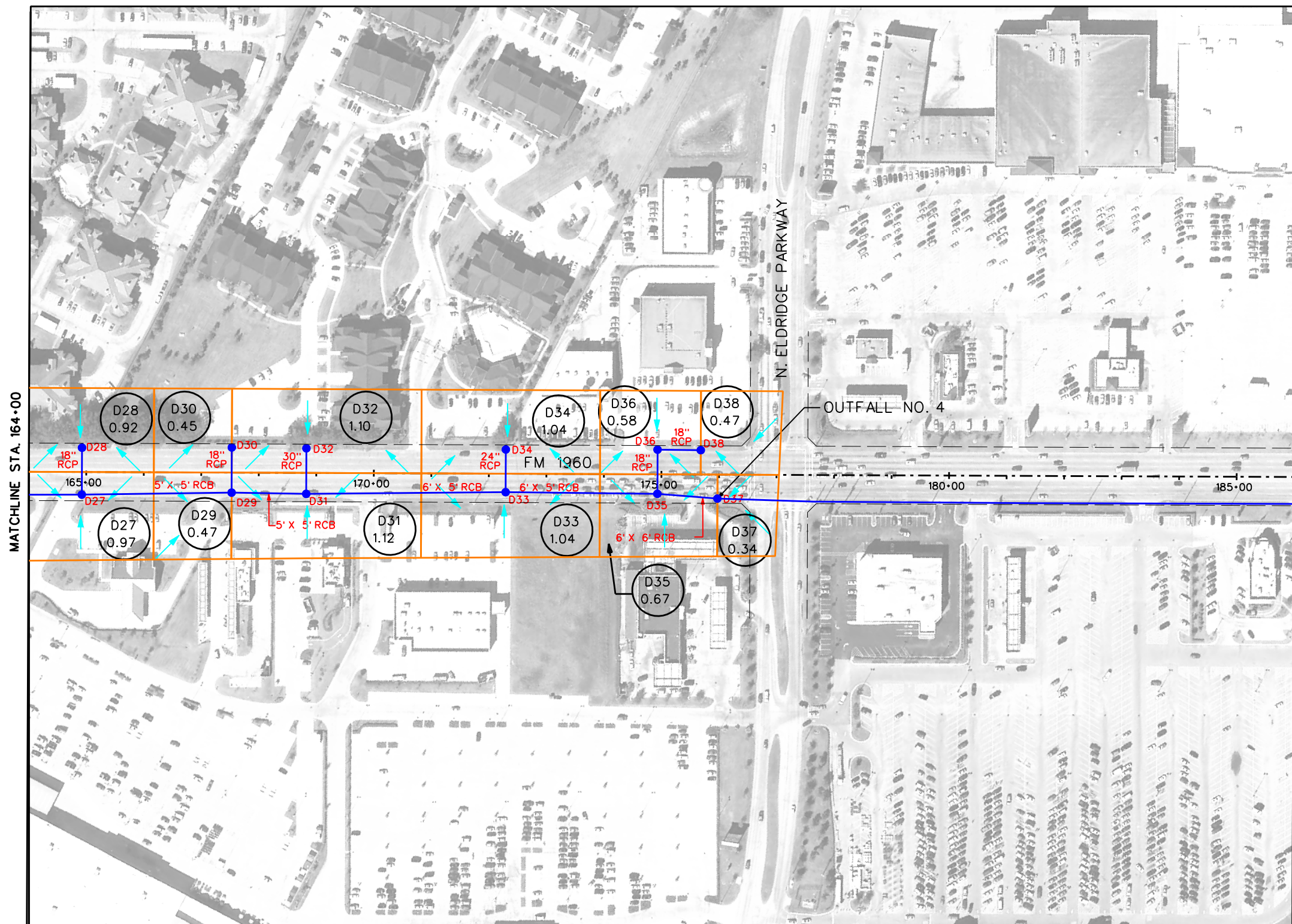
EXISTING DRAINAGE AREA MAP

SHEET 35 OF 36

8/27/2009

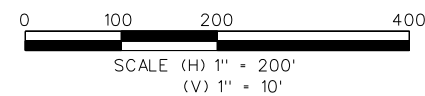
EXHIBIT 5

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LEGEND

- DRAINAGE AREA BOUNDARY
- EXIST. STM SWR/CULVERTS
- - - EXIST. CHANNEL/DITCH
- INLET/MH (ANALYSIS NODE)
- SHEET FLOW DIRECTION
- ML-03
4.49 DRAINAGE AREA LABEL/
DRAINAGE AREA SIZE (AC)



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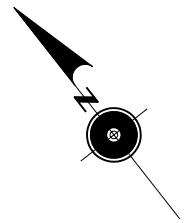
EXISTING DRAINAGE AREA MAP

SHEET 36 OF 36

8/27/2009

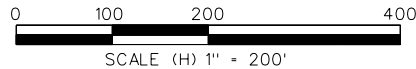
EXHIBIT 5

\\phases\dra\Existing_36.dgn



LEGEND

- PROPOSED PAVEMENT (FRTG. AND ML)
- PROPOSED DRAINAGE AREA BOUNDARY
- EXIST. STM SWR/CULVERTS
- EXIST. CHANNEL/DITCH
- PROP. STM SWR
- INLET/MH (ANALYSIS NODE)
- POND 1 PROPOSED DETENTION POND
- SHEET FLOW DIRECTION
- ML-03 DRAINAGE AREA LABEL/
DRAINAGE AREA SIZE (AC)



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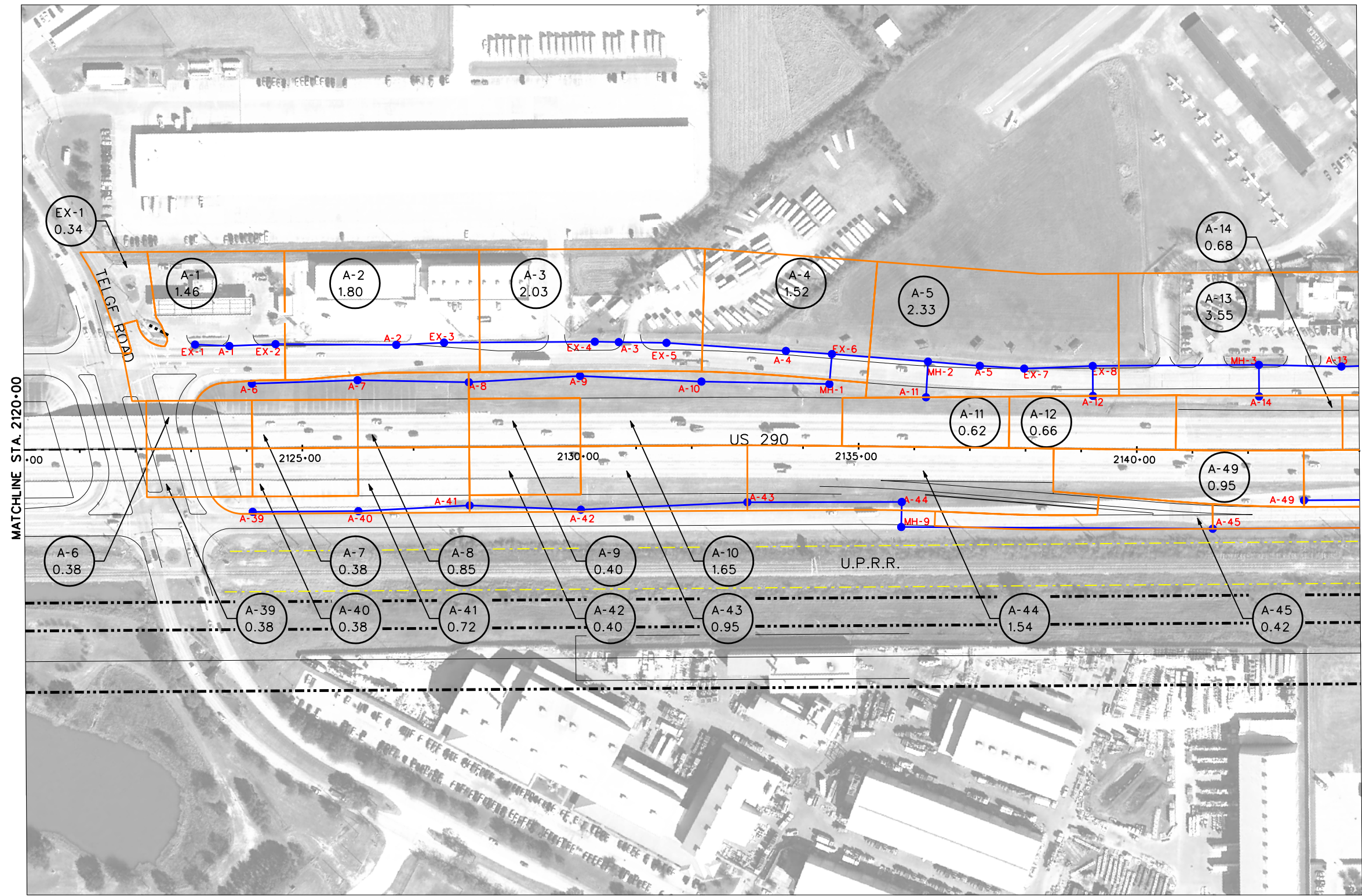
US 290 PMC

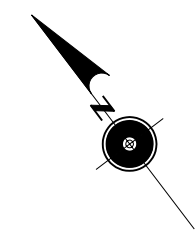
STORMSEWER DRAINAGE AREA MAP

SHEET 1 OF 36

8/27/2009

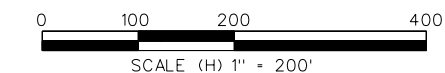
EXHIBIT 6





LEGEND

- PROPOSED PAVEMENT (FRTG. AND ML)
- PROPOSED DRAINAGE AREA BOUNDARY
- EXIST. STM SWR/CULVERTS
- EXIST. CHANNEL/DITCH
- PROP. STM SWR
- INLET/MH (ANALYSIS NODE)
- POND 1** PROPOSED DETENTION POND
- SHEET FLOW DIRECTION
- ML-03 DRAINAGE AREA LABEL/
DRAINAGE AREA SIZE (AC)



PRELIMINARY
SUBJECT TO CHANGE



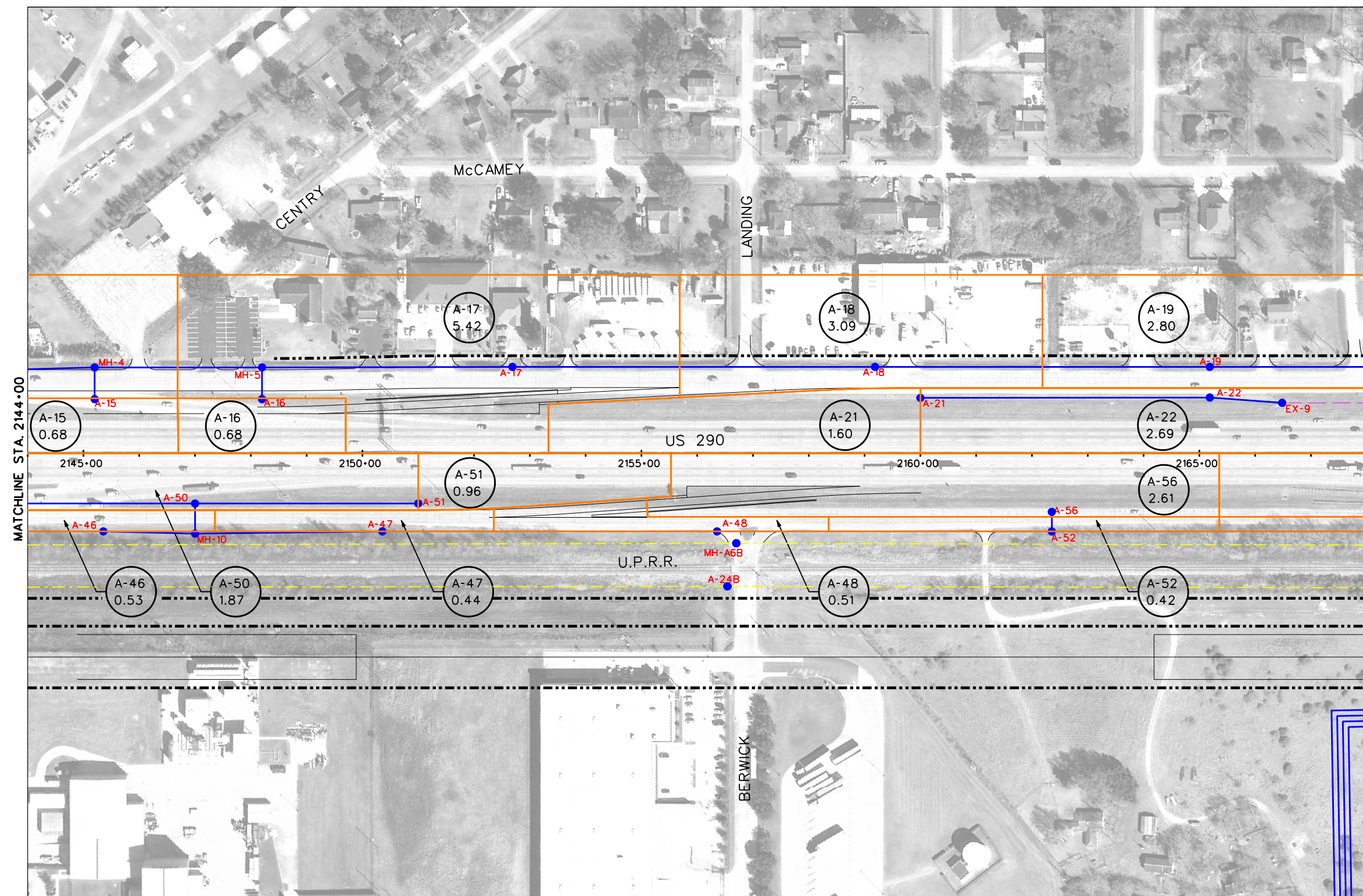
US 290 PMC

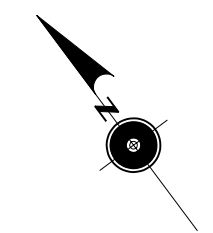
STORMSEWER DRAINAGE AREA MAP

SHEET 2 OF 36

8/27/2009

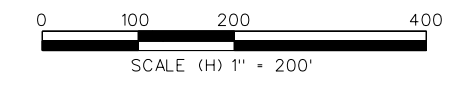
EXHIBIT 6





LEGEND

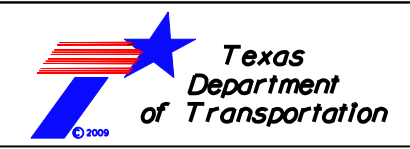
- PROPOSED PAVEMENT (FRTG. AND ML)
- PROPOSED DRAINAGE AREA BOUNDARY
- EXIST. STM SWR/CULVERTS
- EXIST. CHANNEL/DITCH
- PROP. STM SWR
- INLET/MH (ANALYSIS NODE)
- POND 1 PROPOSED DETENTION POND
- SHEET FLOW DIRECTION
- ML-03 DRAINAGE AREA LABEL/
DRAINAGE AREA SIZE (AC)



PRELIMINARY
SUBJECT TO CHANGE



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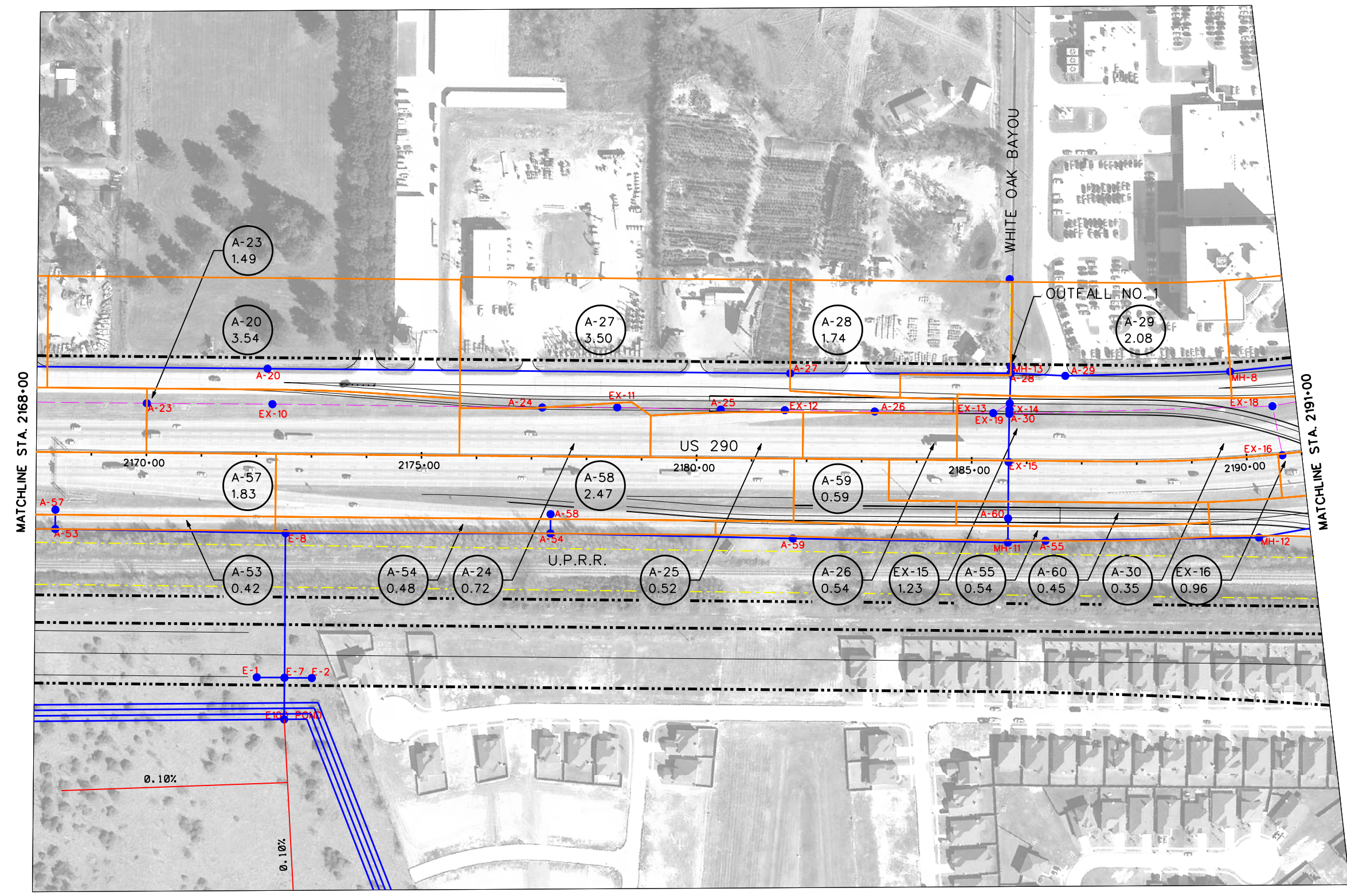
US 290 PMC

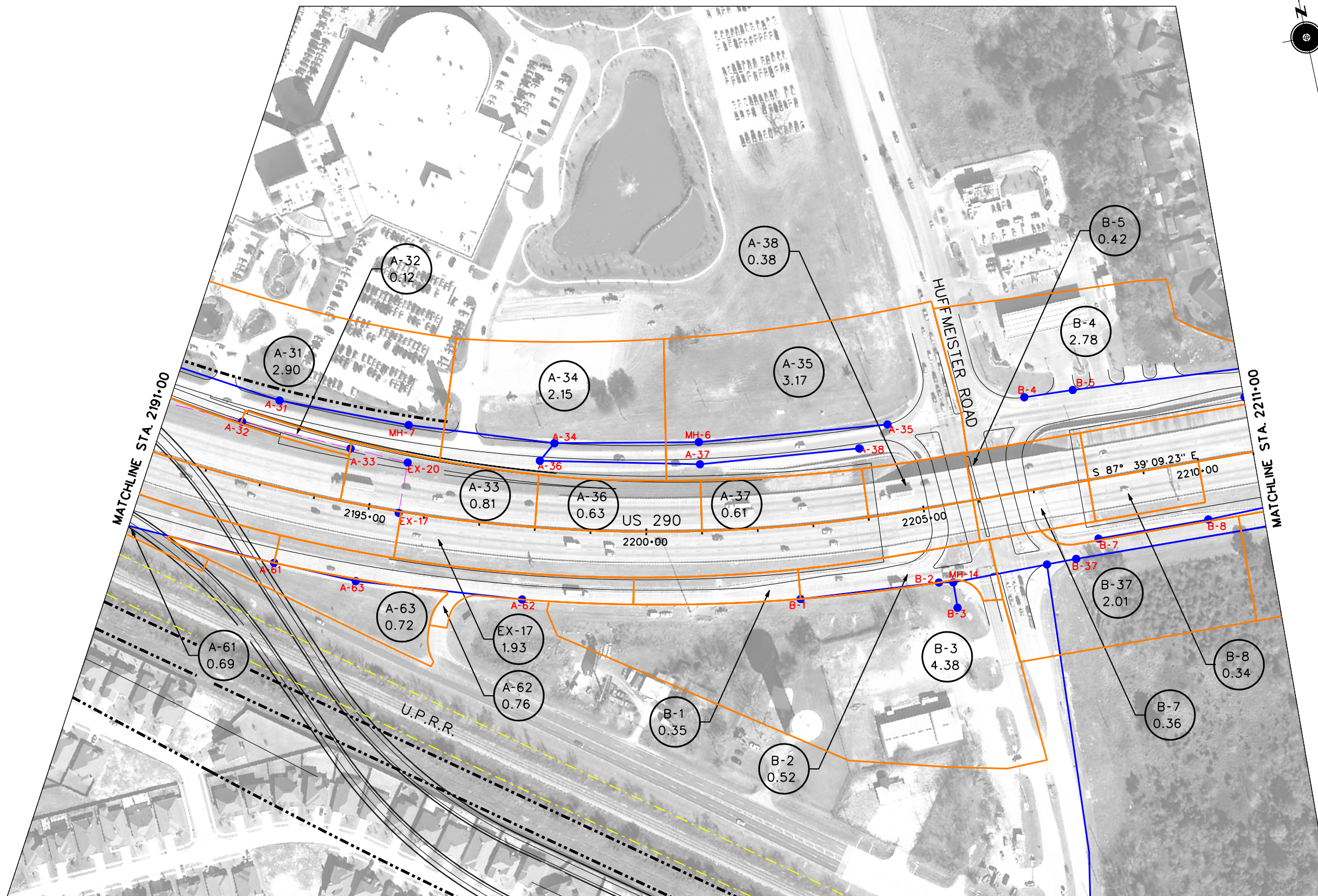
STORMSEWER DRAINAGE AREA MAP

SHEET 3 OF 36

8/27/2009

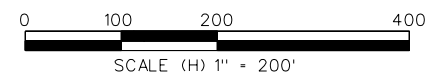
EXHIBIT 6





LEGEND

- PROPOSED PAVEMENT (FRTG. AND ML)
- PROPOSED DRAINAGE AREA BOUNDARY
- EXIST. STM SWR/CULVERTS
- EXIST. CHANNEL/DITCH
- PROP. STM SWR
- INLET/MH (ANALYSIS NODE)
- POND 1** PROPOSED DETENTION POND
- SHEET FLOW DIRECTION
- ML-03 4.49 DRAINAGE AREA LABEL / DRAINAGE AREA SIZE (AC)



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US 290 PMC

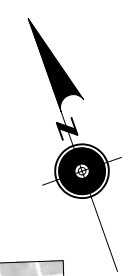
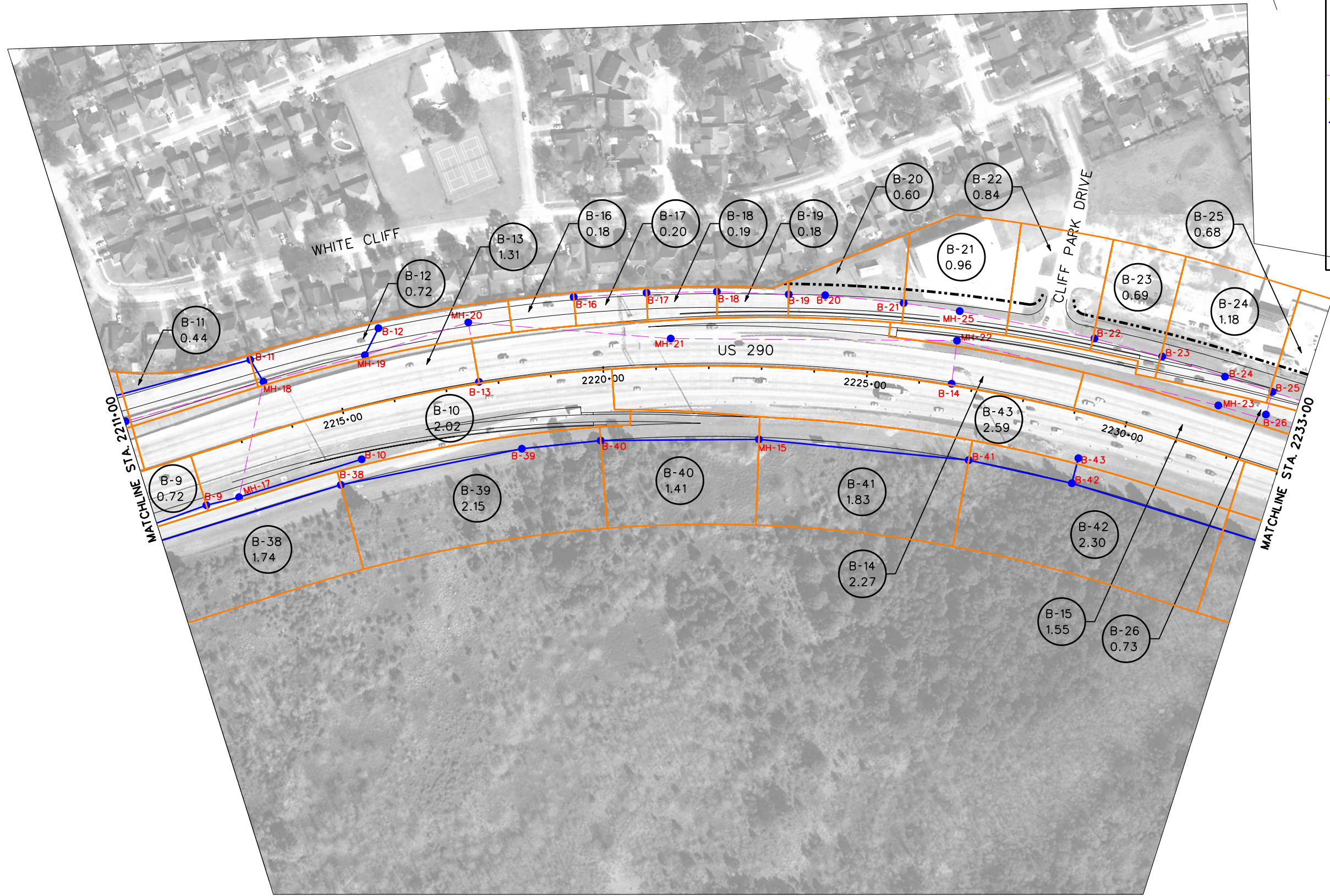
STORMSEWER DRAINAGE AREA MAP

SHEET 4 OF 36

8/27/2009

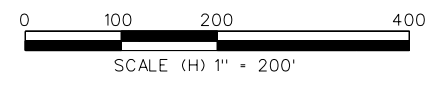
EXHIBIT 6

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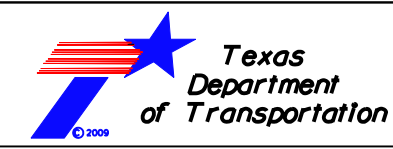
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- PROPOSED DRAINAGE AREA BOUNDARY
- EXIST. STM SWR/CULVERTS
- EXIST. CHANNEL/DITCH
- PROP. STM SWR
- INLET/MH (ANALYSIS NODE)
- POND 1** PROPOSED DETENTION POND
- SHEET FLOW DIRECTION
- ML-03 4.49 DRAINAGE AREA LABEL / DRAINAGE AREA SIZE (AC)



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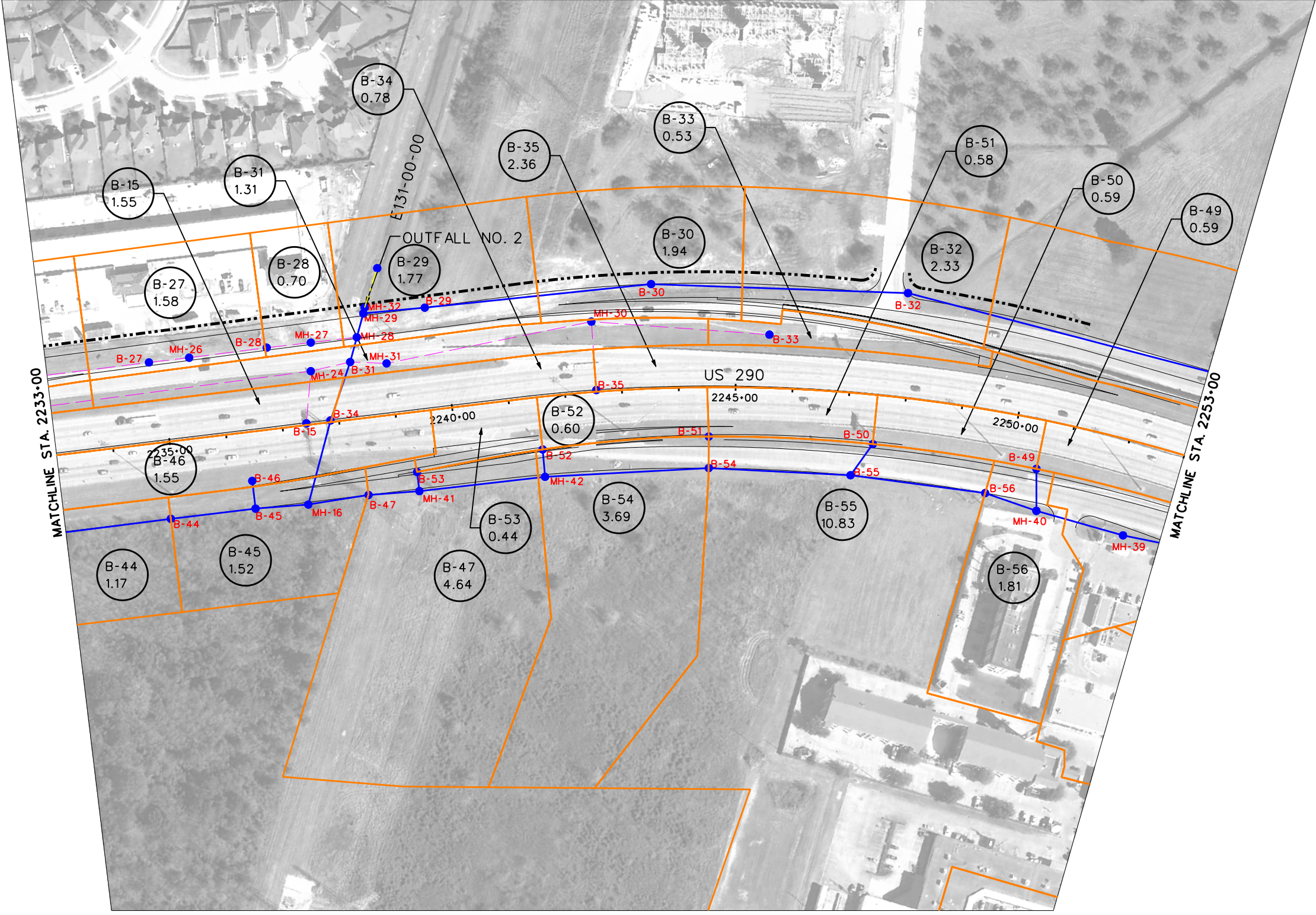
STORMSEWER DRAINAGE AREA MAP

SHEET 5 OF 36

8/27/2009

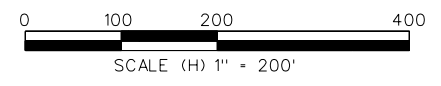
EXHIBIT 6

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LEGEND

- PROPOSED PAVEMENT (FRTG. AND ML)
- PROPOSED DRAINAGE AREA BOUNDARY
- EXIST. STM SWR/CULVERTS
- EXIST. CHANNEL/DITCH
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- SHEET FLOW DIRECTION
- ML-03 4.49 DRAINAGE AREA LABEL/ DRAINAGE AREA SIZE (AC)



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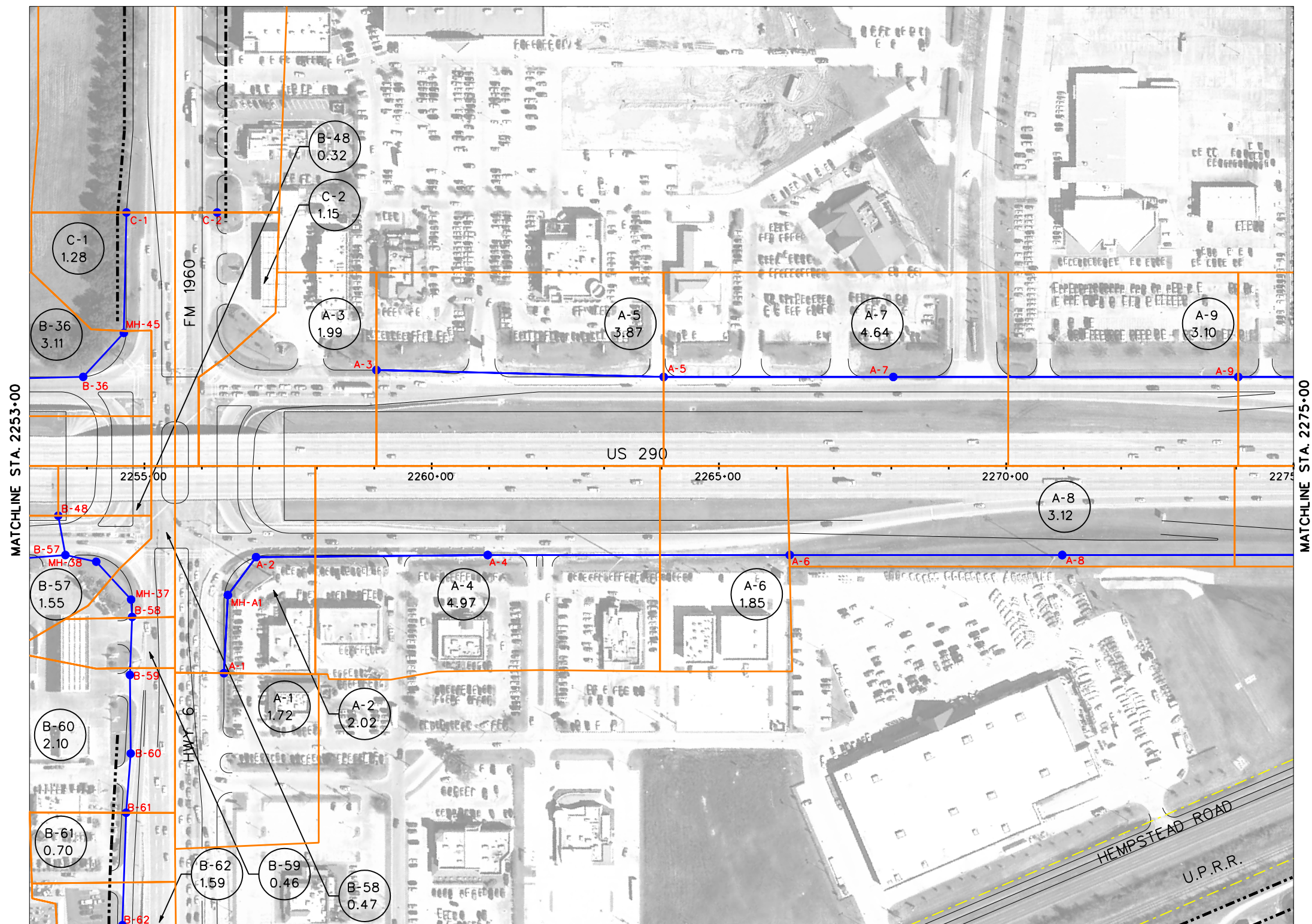
STORMSEWER DRAINAGE AREA MAP

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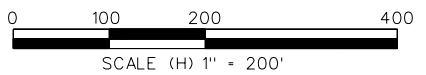
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LEGEND

- PROPOSED PAVEMENT (FRTG. AND ML)
- PROPOSED DRAINAGE AREA BOUNDARY
- EXIST. STM SWR/CULVERTS
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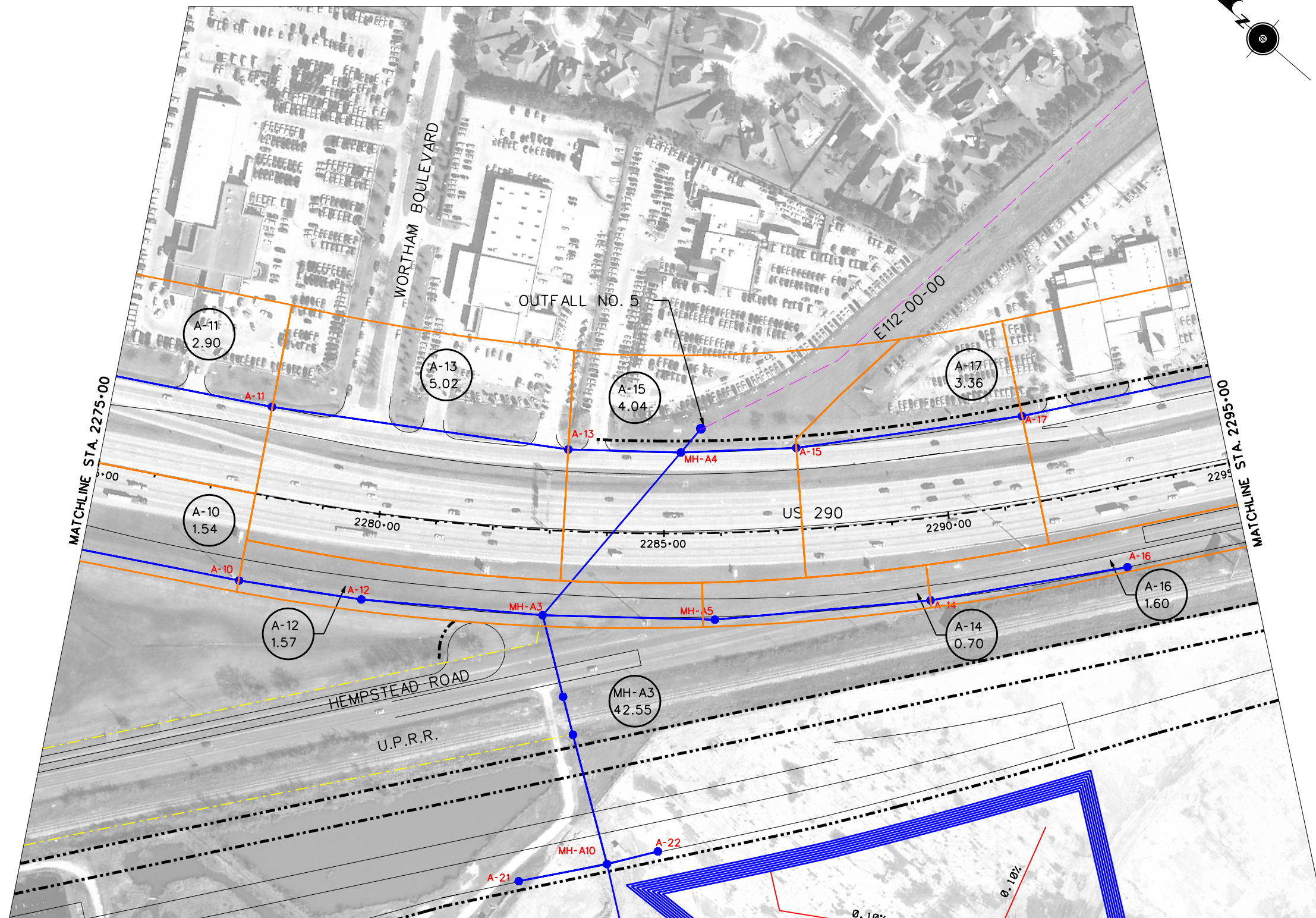
STORMSEWER DRAINAGE AREA MAP

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8/27/2009

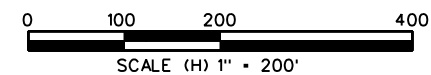
EXHIBIT 6

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LEGEND

- PROPOSED PAVEMENT (FRTG. AND ML)
- PROPOSED DRAINAGE AREA BOUNDARY
- EXIST. STM SWR/CULVERTS
- EXIST. CHANNEL/DITCH
- PROP. STM SWR
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- ML-03 DRAINAGE AREA LABEL / DRAINAGE AREA SIZE (AC)



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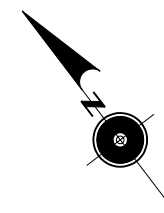
STORMSEWER DRAINAGE AREA MAP

SHEET 8 OF 36

8/27/2009

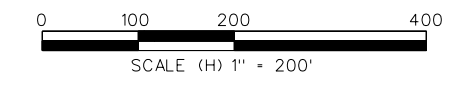
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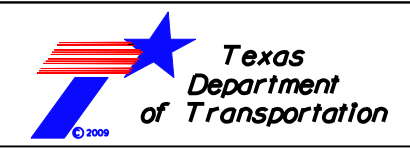


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- PROPOSED PAVEMENT (FRTG. AND ML)
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- ML-03 DRAINAGE AREA LABEL/
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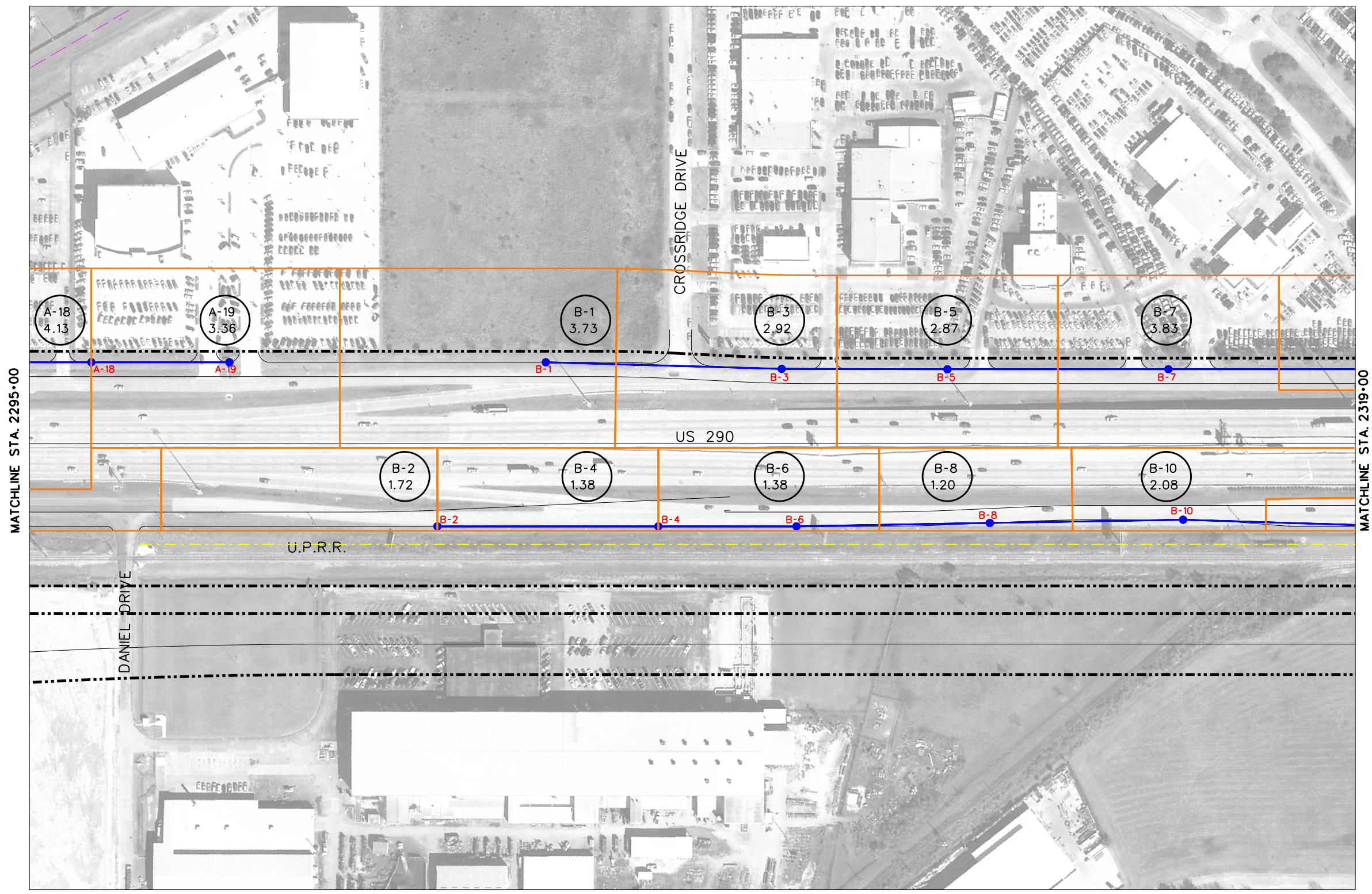
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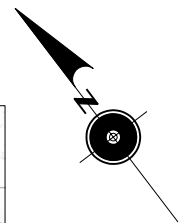
STORMSEWER DRAINAGE AREA MAP

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8/27/2009

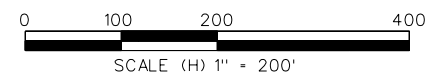
EXHIBIT 6





LEGEND

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- ML-03 DRAINAGE AREA LABEL / DRAINAGE AREA SIZE (AC)



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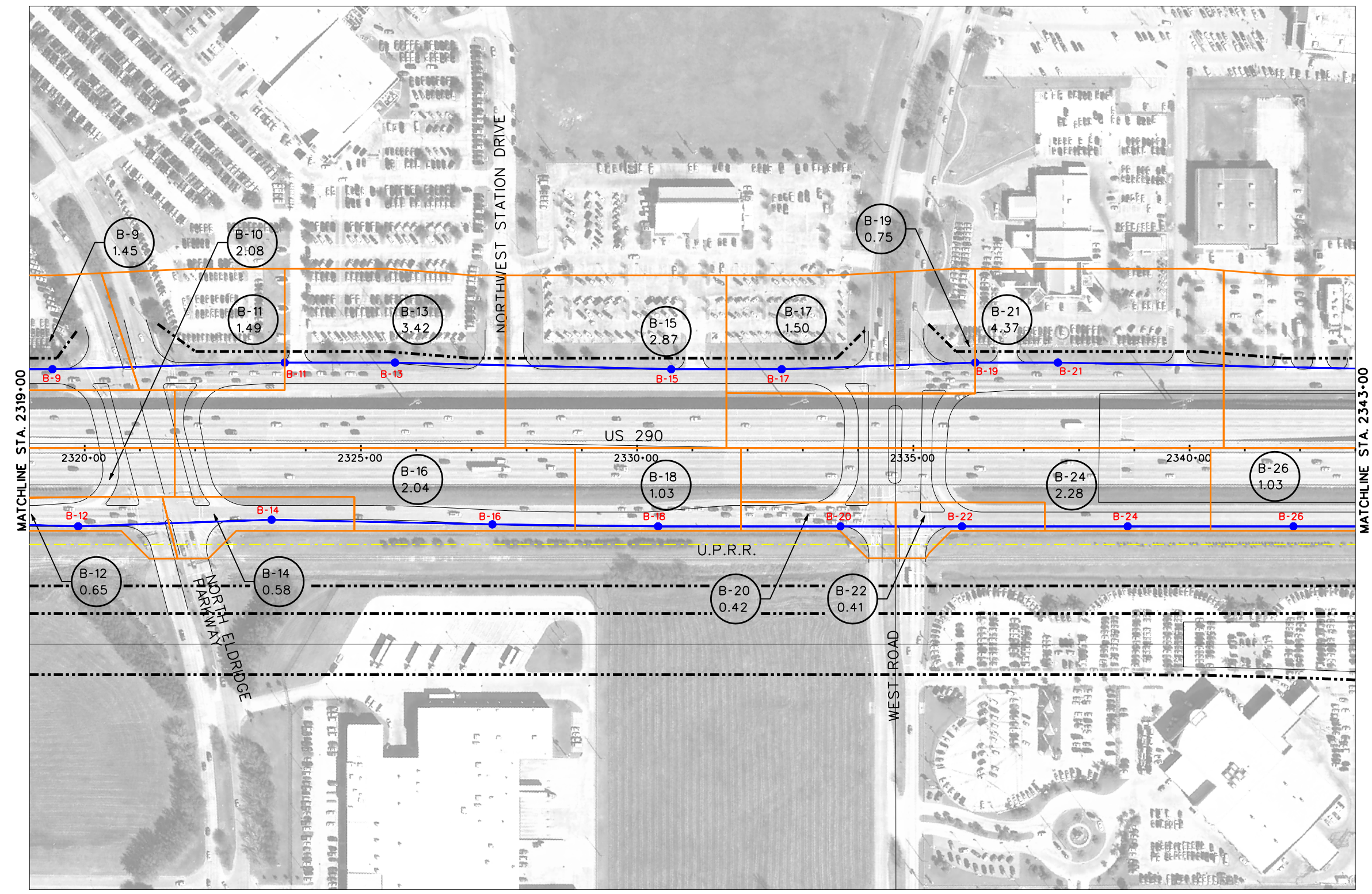
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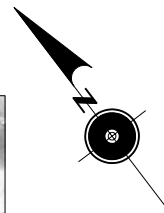
STORMSEWER DRAINAGE AREA MAP

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8/27/2009

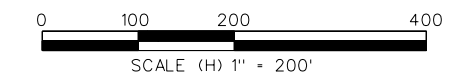
EXHIBIT 6





LEGEND

- PROPOSED PAVEMENT (FRTG. AND ML)
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- ML-03 4.49 DRAINAGE AREA LABEL/ DRAINAGE AREA SIZE (AC)

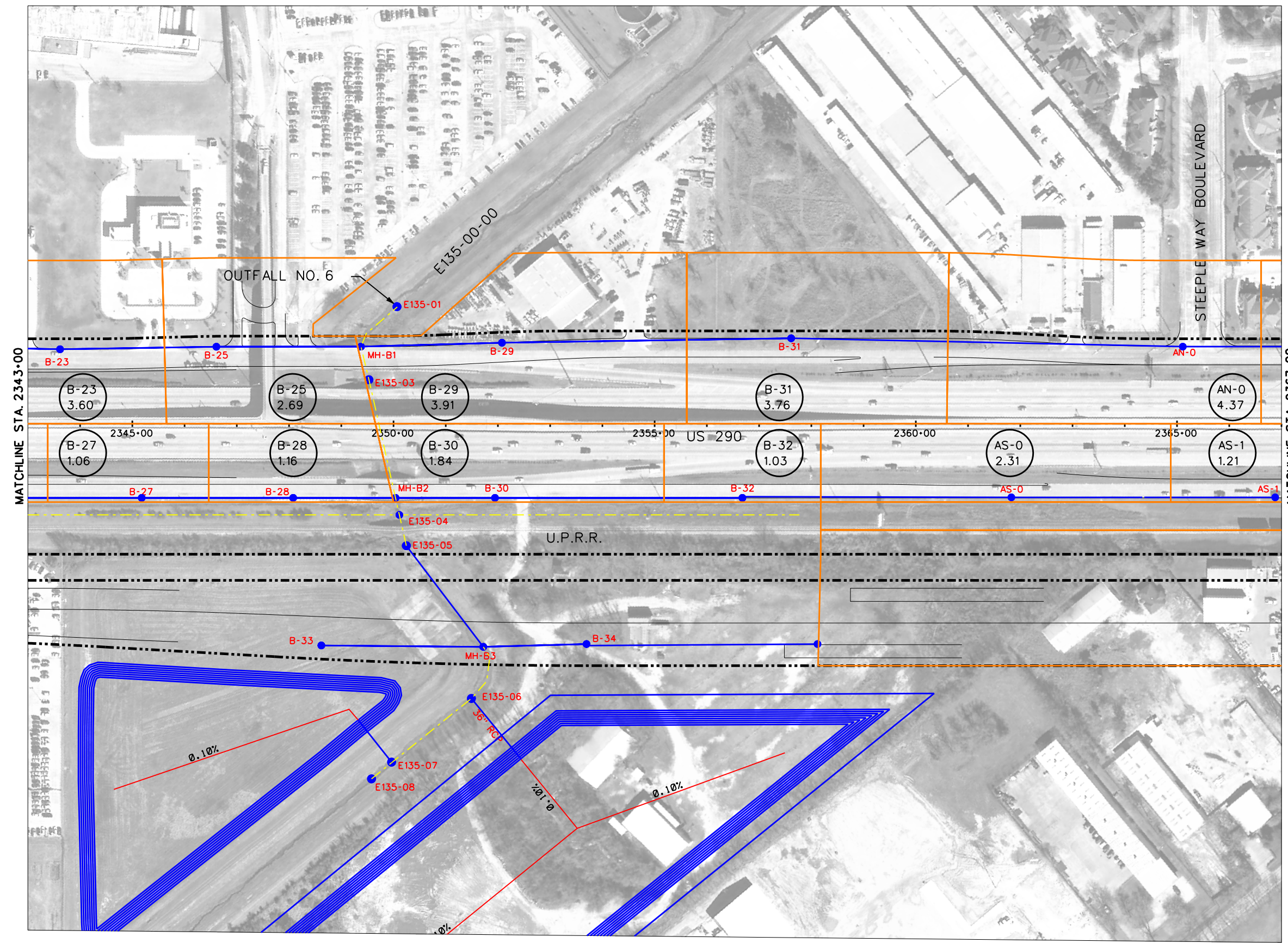


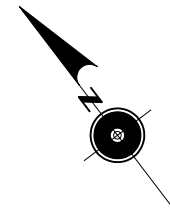
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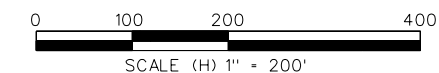
STORMSEWER DRAINAGE AREA MAP





LEGEND

- PROPOSED PAVEMENT (FRTG. AND ML)
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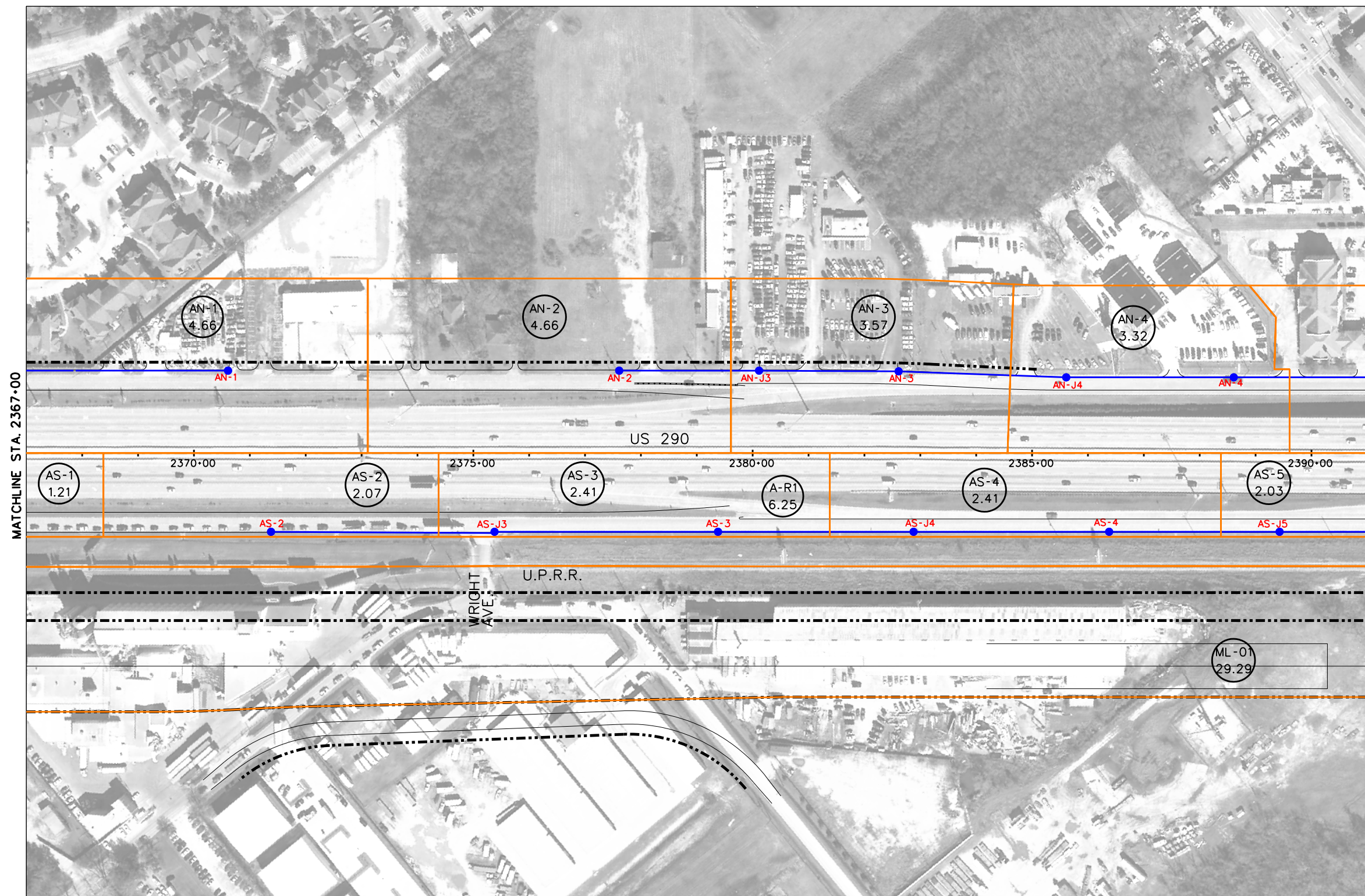
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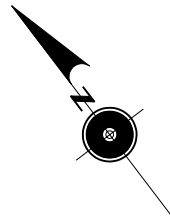
STORMSEWER DRAINAGE AREA MAP

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8/27/2009

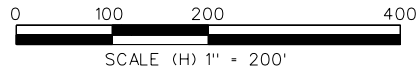
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LEGEND

- PROPOSED PAVEMENT (FRTG. AND ML)
- PROPOSED DRAINAGE AREA BOUNDARY
- EXIST. STM SWR/CULVERTS
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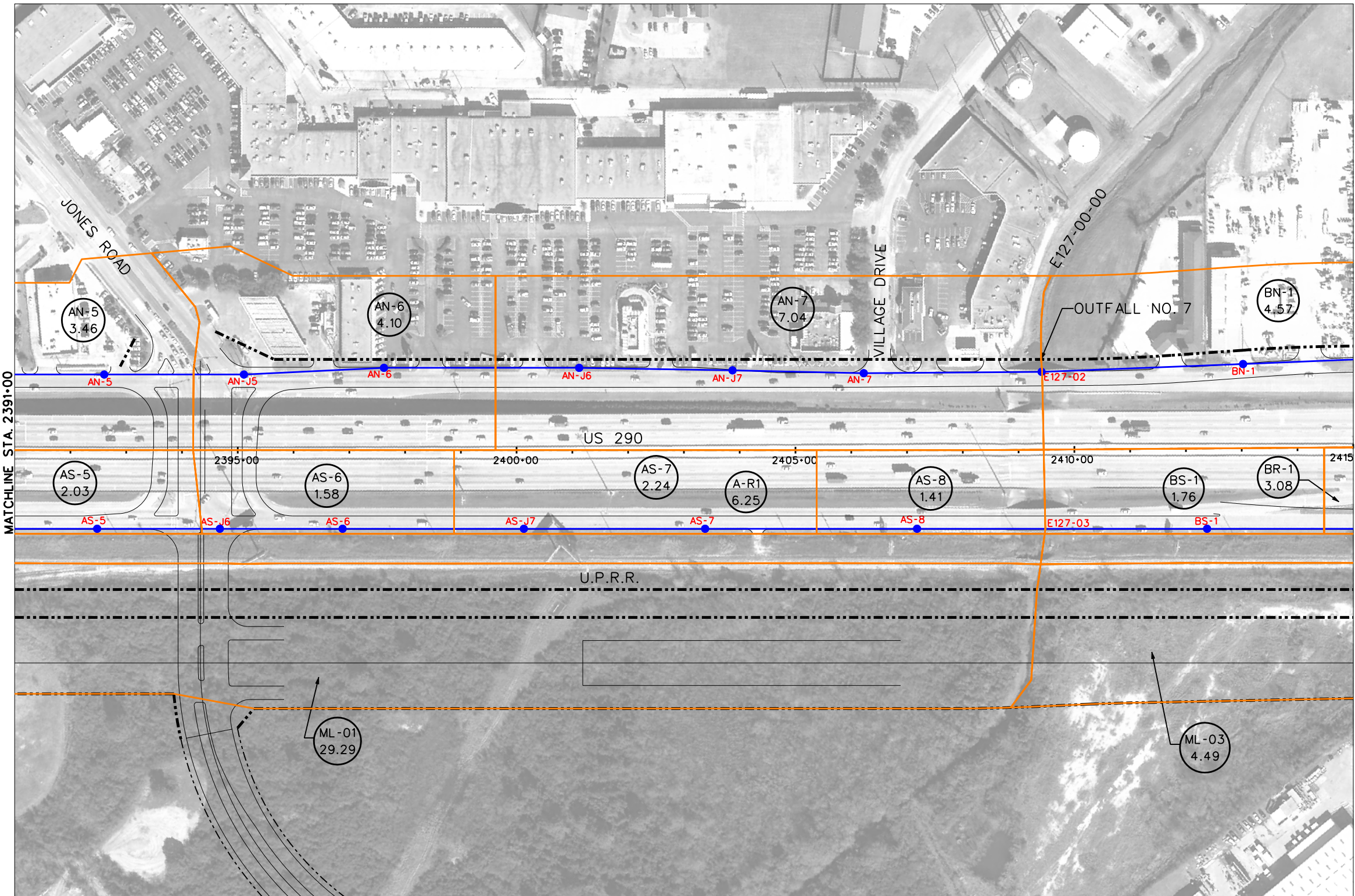
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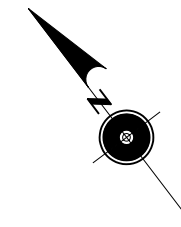
STORMSEWER DRAINAGE AREA MAP

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8/27/2009

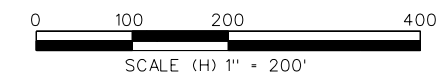
EXHIBIT 6





LEGEND

- PROPOSED PAVEMENT (FRTG. AND ML)
- PROPOSED DRAINAGE AREA BOUNDARY
- EXIST. STM SWR/CULVERTS
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DRAINAGE AREA SIZE (AC)



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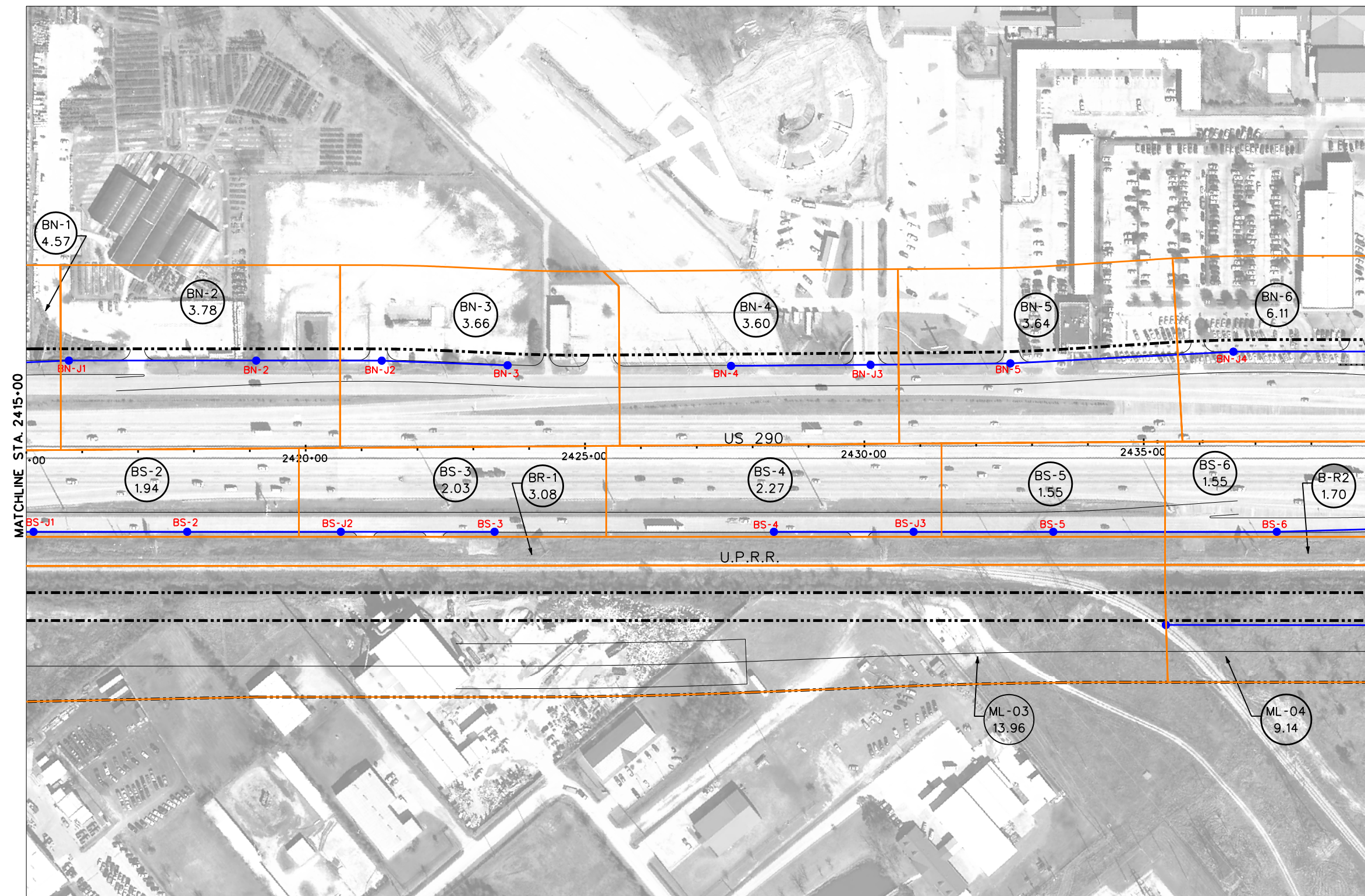
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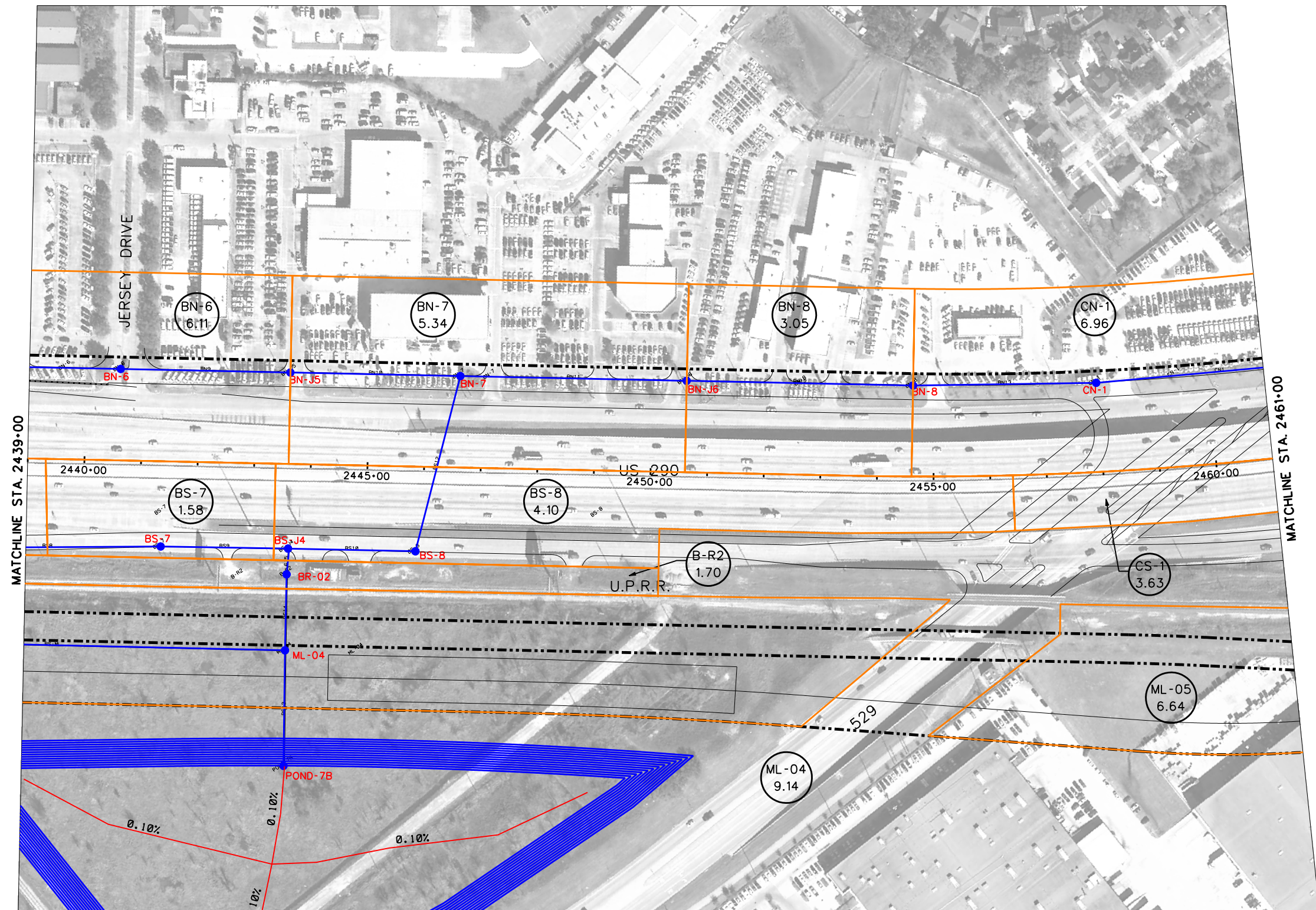
STORMSEWER DRAINAGE AREA MAP

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8/27/2009

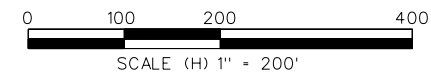
EXHIBIT 6





LEGEND

- PROPOSED PAVEMENT (FRTG. AND ML)
- PROPOSED DRAINAGE AREA BOUNDARY
- EXIST. STM SWR/CULVERTS
- EXIST. CHANNEL/DITCH
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- SHEET FLOW DIRECTION
- DRAINAGE AREA LABEL / DRAINAGE AREA SIZE (AC)



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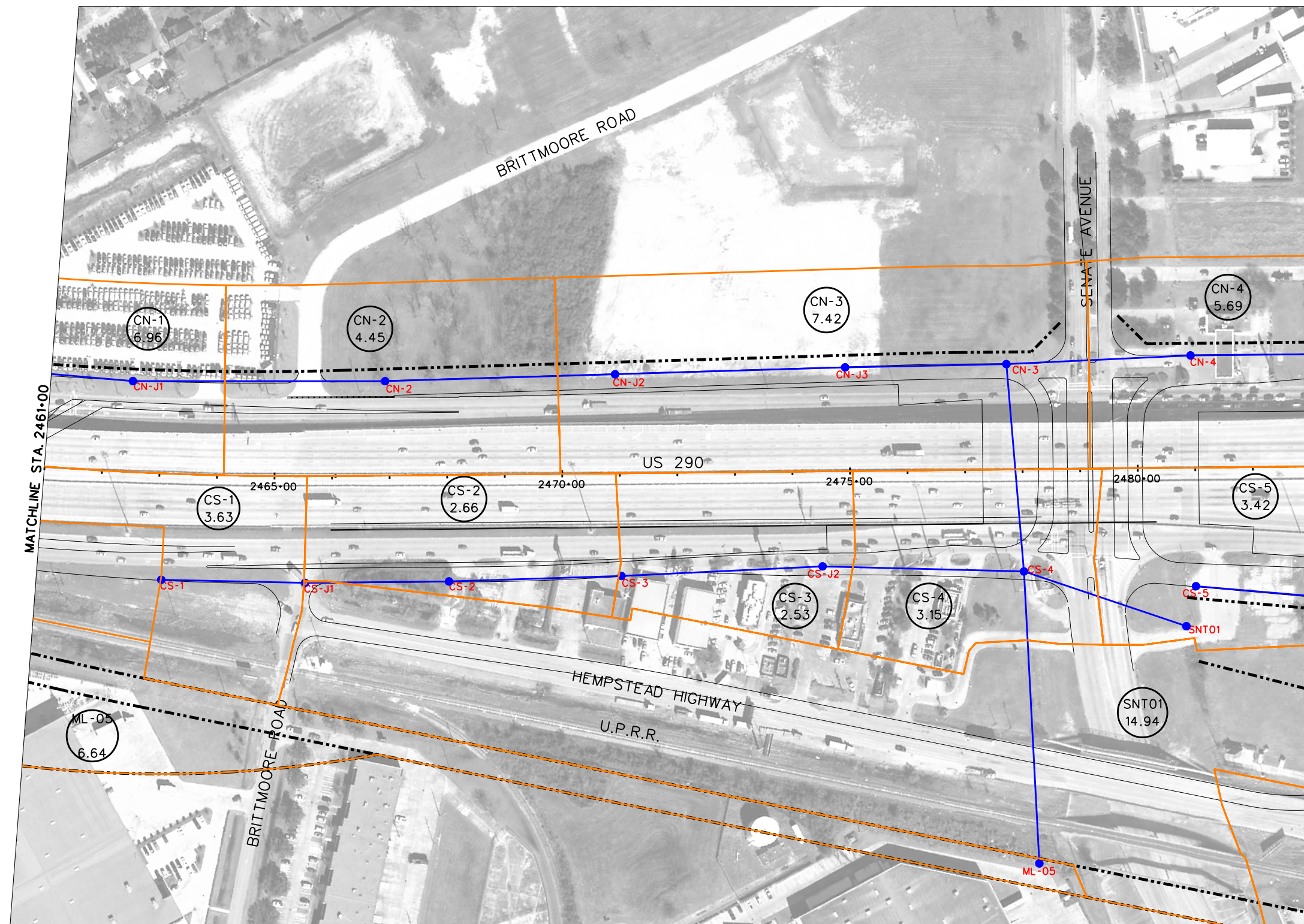
STORMSEWER DRAINAGE AREA MAP

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8/27/2009

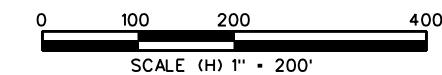
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LEGEND

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- PROPOSED DRAINAGE AREA BOUNDARY
- EXIST. STM SWR/CULVERTS
- EXIST. CHANNEL/DITCH
- PROP. STM SWR
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- POND 1** PROPOSED DETENTION POND
- SHEET FLOW DIRECTION
- ML-03
4.49 DRAINAGE AREA LABEL/
DRAINAGE AREA SIZE (AC)



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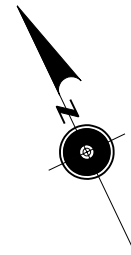
STORMSEWER DRAINAGE AREA MAP

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8/27/2009

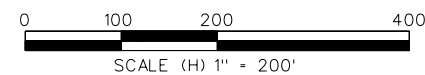
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LEGEND

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- PROPOSED DRAINAGE AREA BOUNDARY
- EXIST. STM SWR/CULVERTS
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- POND 1 PROPOSED DETENTION POND
- SHEET FLOW DIRECTION
- DRAINAGE AREA LABEL/ DRAINAGE AREA SIZE (AC)

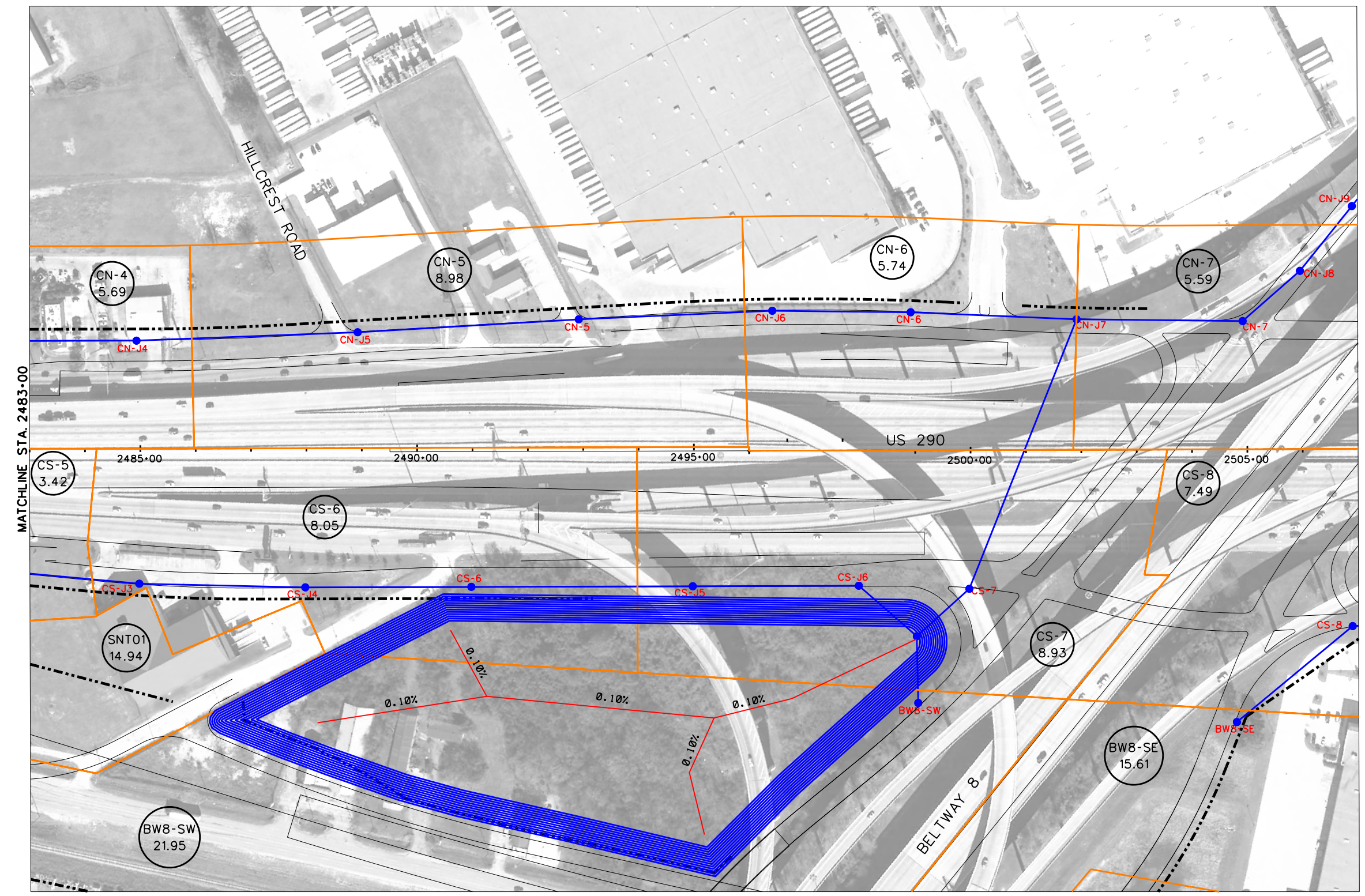


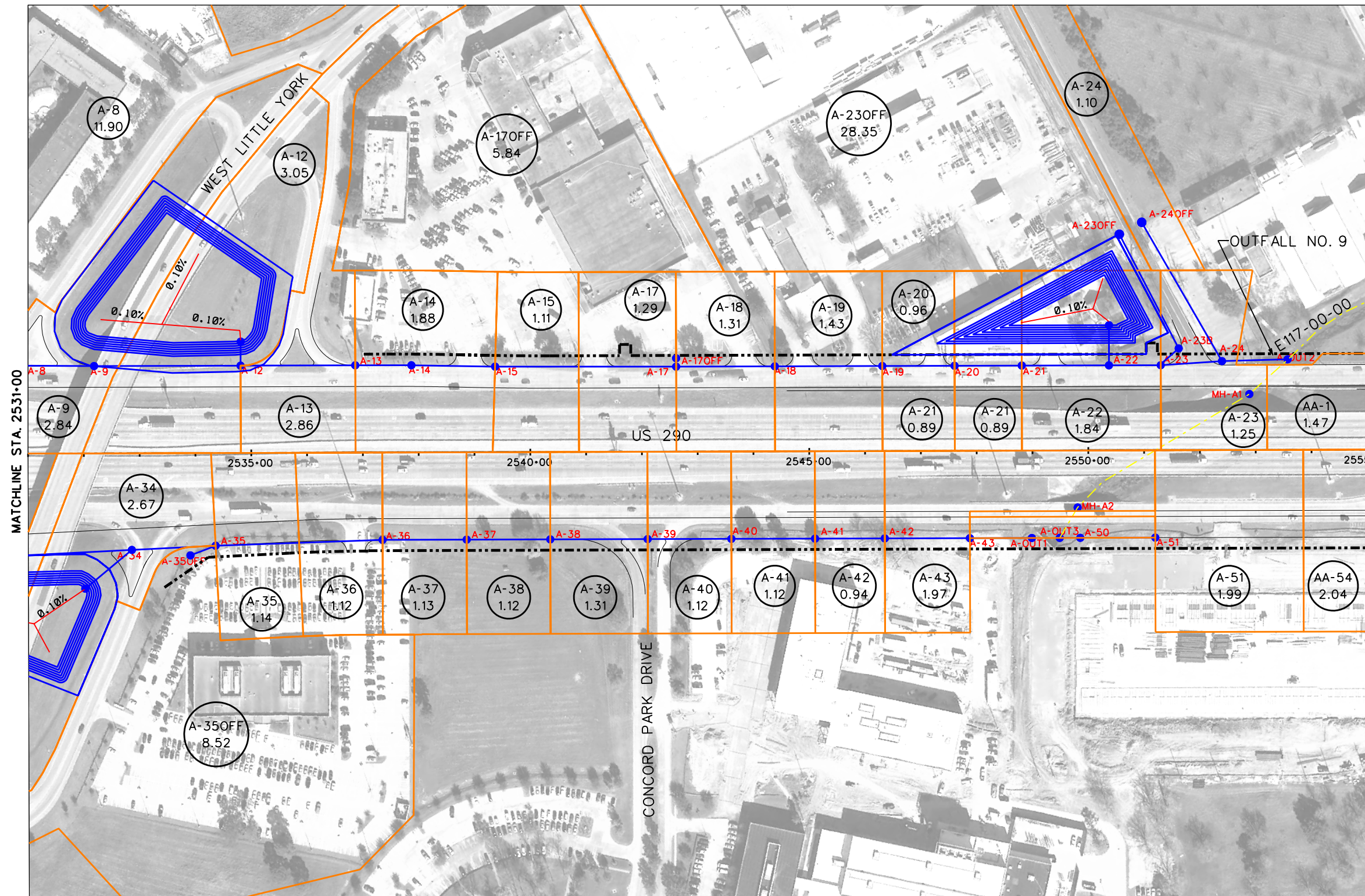
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STORMSEWER DRAINAGE AREA MAP



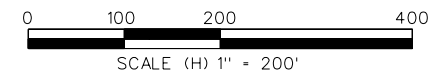


MATCHLINE STA. 2531+00

MATCHLINE STA. 2555+00

LEGEND

- PROPOSED PAVEMENT (FRTG. AND ML)
- PROPOSED DRAINAGE AREA BOUNDARY
- EXIST. STM SWR/CULVERTS
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- POND 1** PROPOSED DETENTION POND
- SHEET FLOW DIRECTION
- ML-03 DRAINAGE AREA LABEL/ DRAINAGE AREA SIZE (AC)



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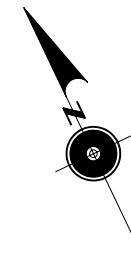
STORMSEWER DRAINAGE AREA MAP

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10/7/2009

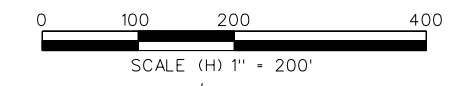
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LEGEND

- PROPOSED PAVEMENT (FRTG. AND ML)
- PROPOSED DRAINAGE AREA BOUNDARY
- EXIST. STM SWR/CULVERTS
- EXIST. CHANNEL/DITCH
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- POND 1 PROPOSED DETENTION POND
- SHEET FLOW DIRECTION
- ML-03 DRAINAGE AREA LABEL/ DRAINAGE AREA SIZE (AC)

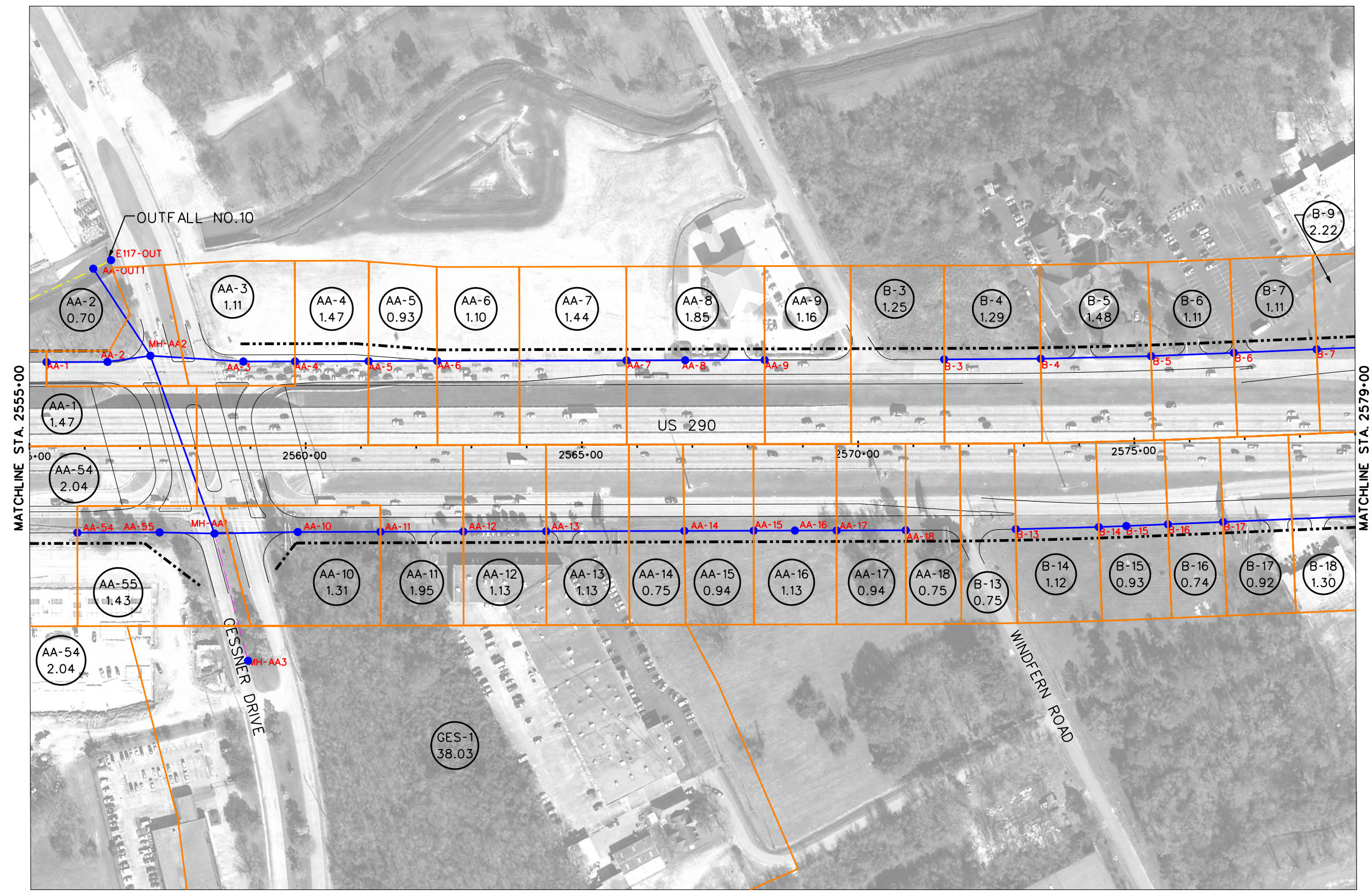


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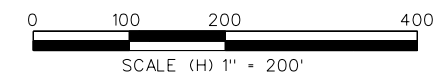
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STORMSEWER DRAINAGE AREA MAP





- | | |
|---|---|
|  | PROPOSED PAVEMENT
(FRTG. AND ML) |
|  | PROPOSED DRAINAGE
AREA BOUNDARY |
|  | EXIST. STM SWR/CULVERTS |
|  | EXIST. CHANNEL/DITCH |
|  | PROP. STM SWR |
|  | INLET/MH (ANALYSIS NODE) |
| POND 1 | PROPOSED DETENTION POND |
|  | SHEET FLOW DIRECTION |
|  | DRAINAGE AREA LABEL/
DRAINAGE AREA SIZE (AC) |



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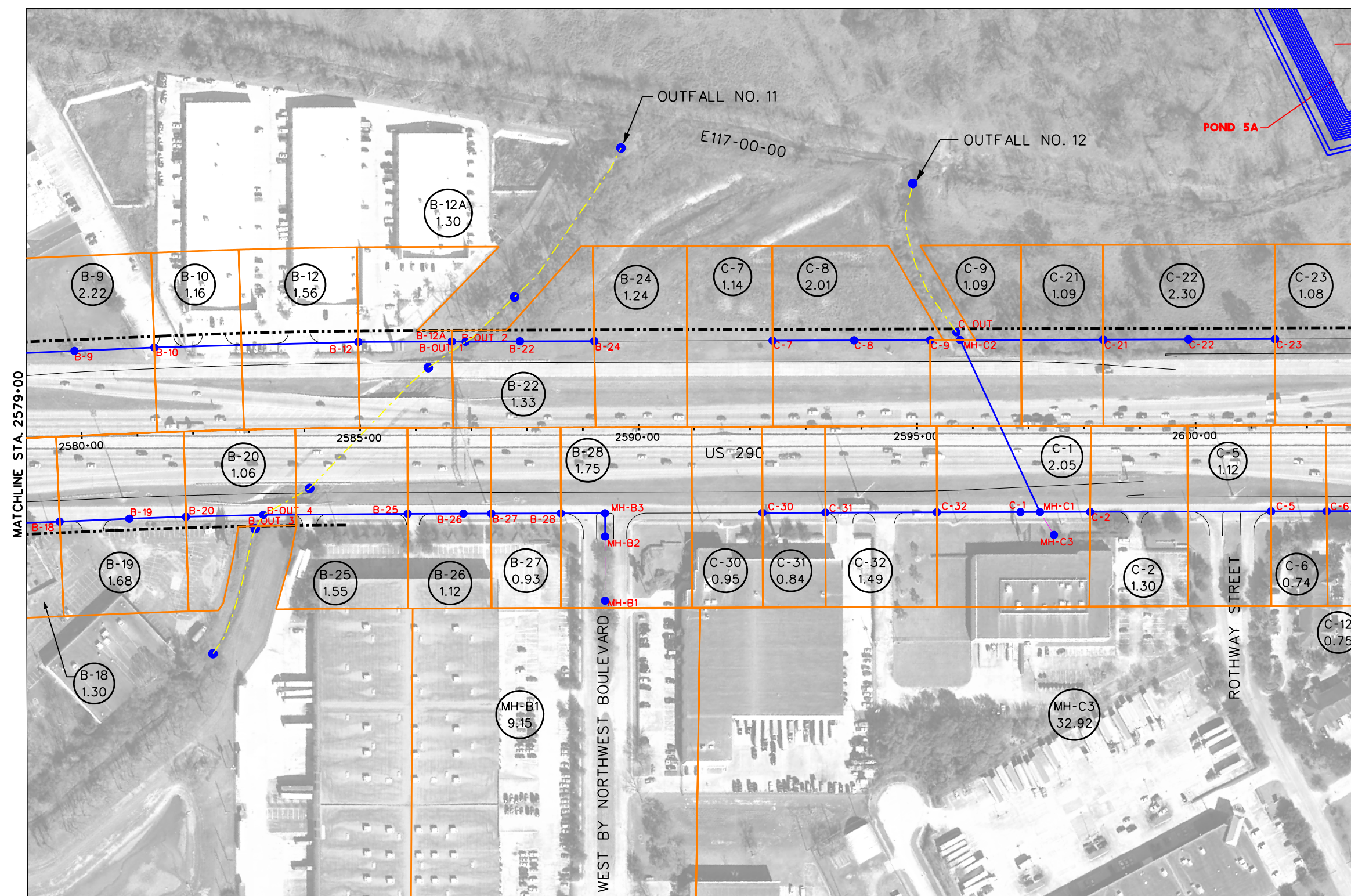
US 290 PMC

STORMSEWER DRAINAGE AREA MAP

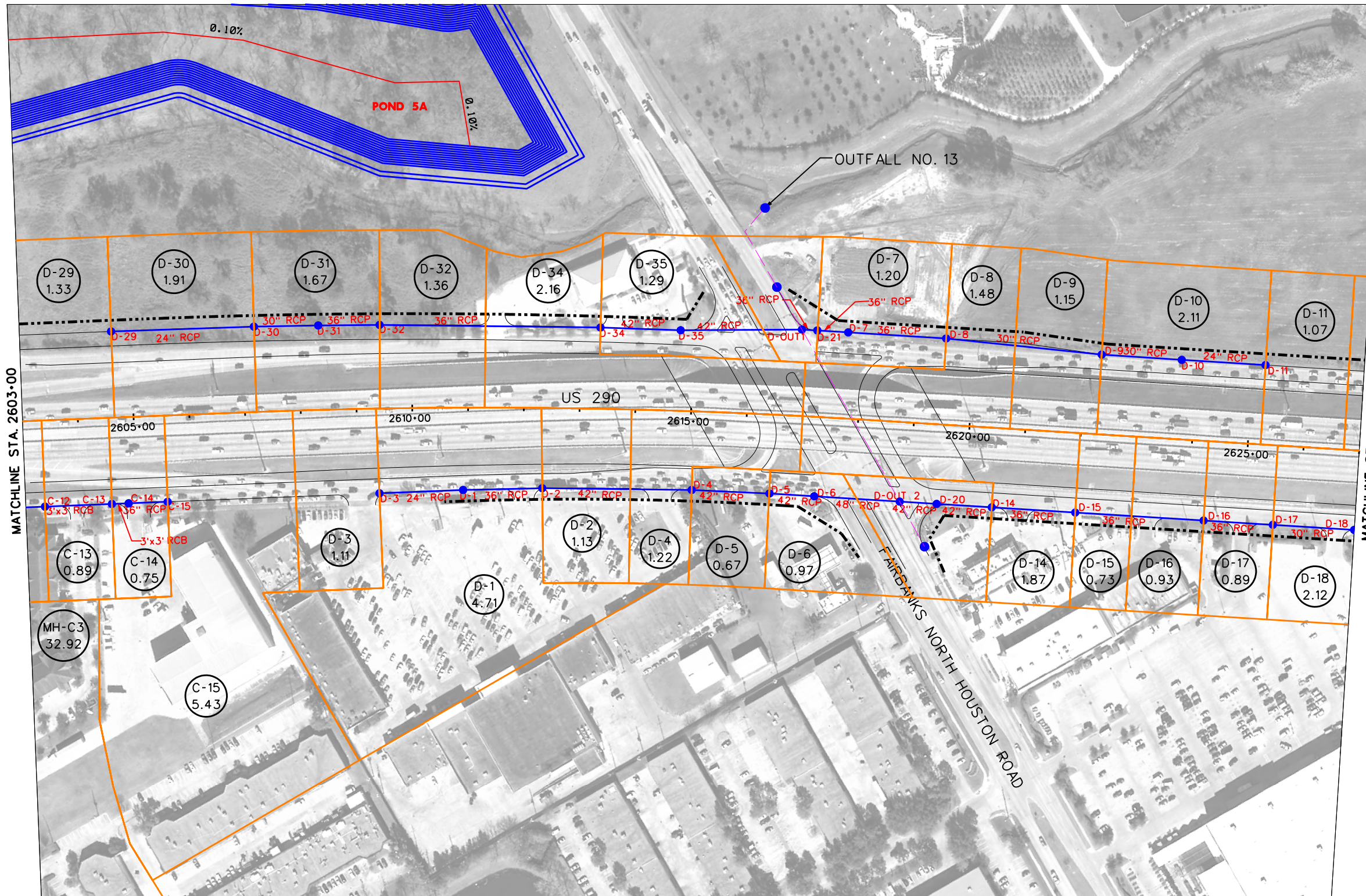
SHEET 21 OF 36

10/9/2009

EXHIBIT 6



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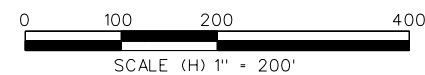


MATCHLINE STA. 2603+00

MATCHLINE STA. 2627+00

LEGEND

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- PROPOSED DRAINAGE AREA BOUNDARY
- EXIST. STM SWR/CULVERTS
- EXIST. CHANNEL/DITCH
- PROP. STM SWR
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- POND 1** PROPOSED DETENTION POND
- SHEET FLOW DIRECTION
- ML-03 4.49 DRAINAGE AREA LABEL/ DRAINAGE AREA SIZE (AC)



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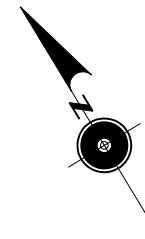
STORMSEWER DRAINAGE AREA MAP

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10/9/2009

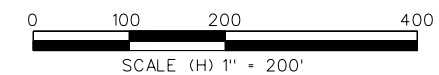
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LEGEND

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- PROPOSED DRAINAGE AREA BOUNDARY
- EXIST. STM SWR/CULVERTS
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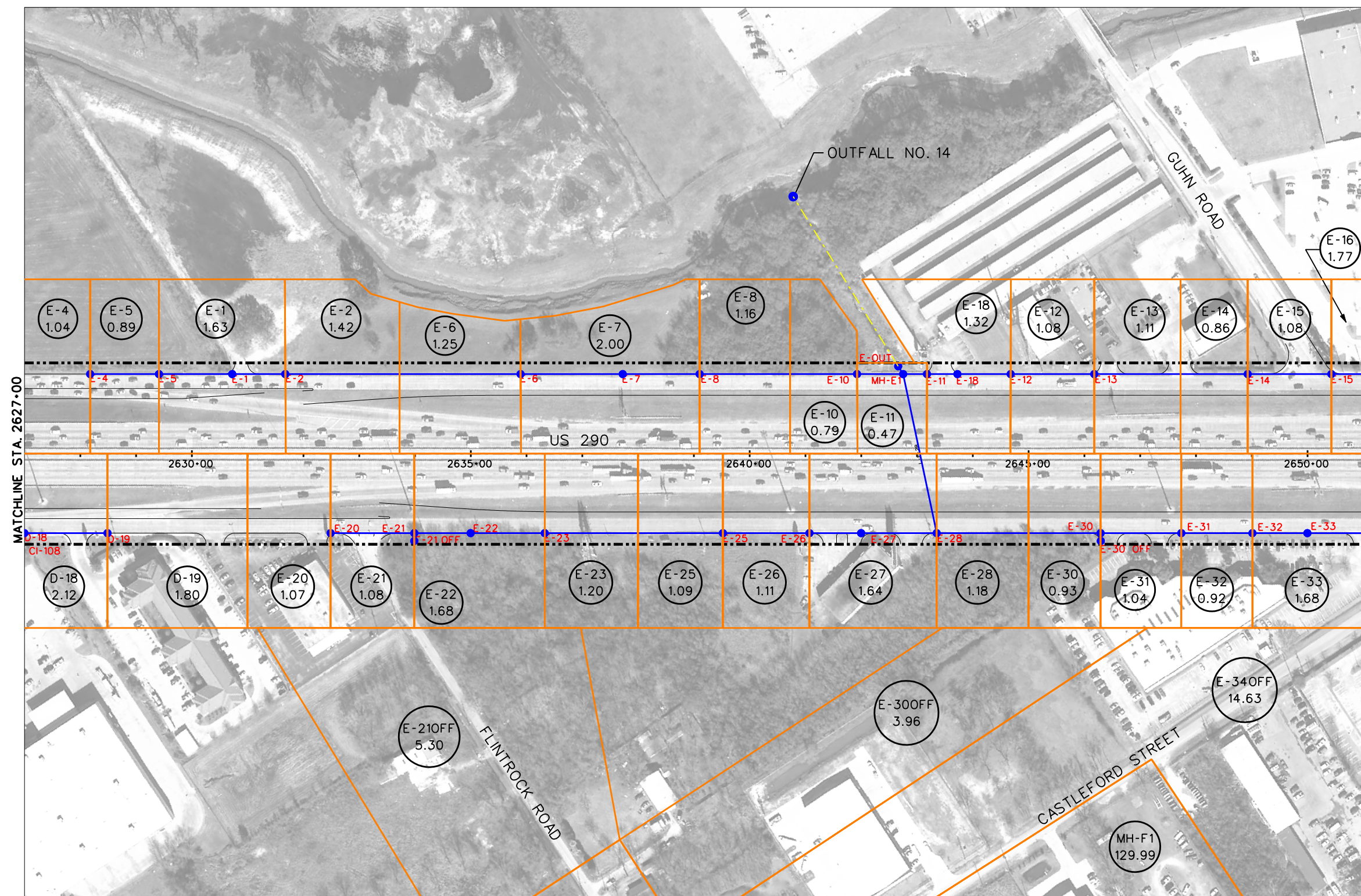
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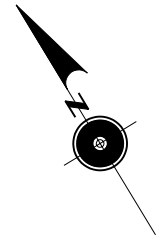
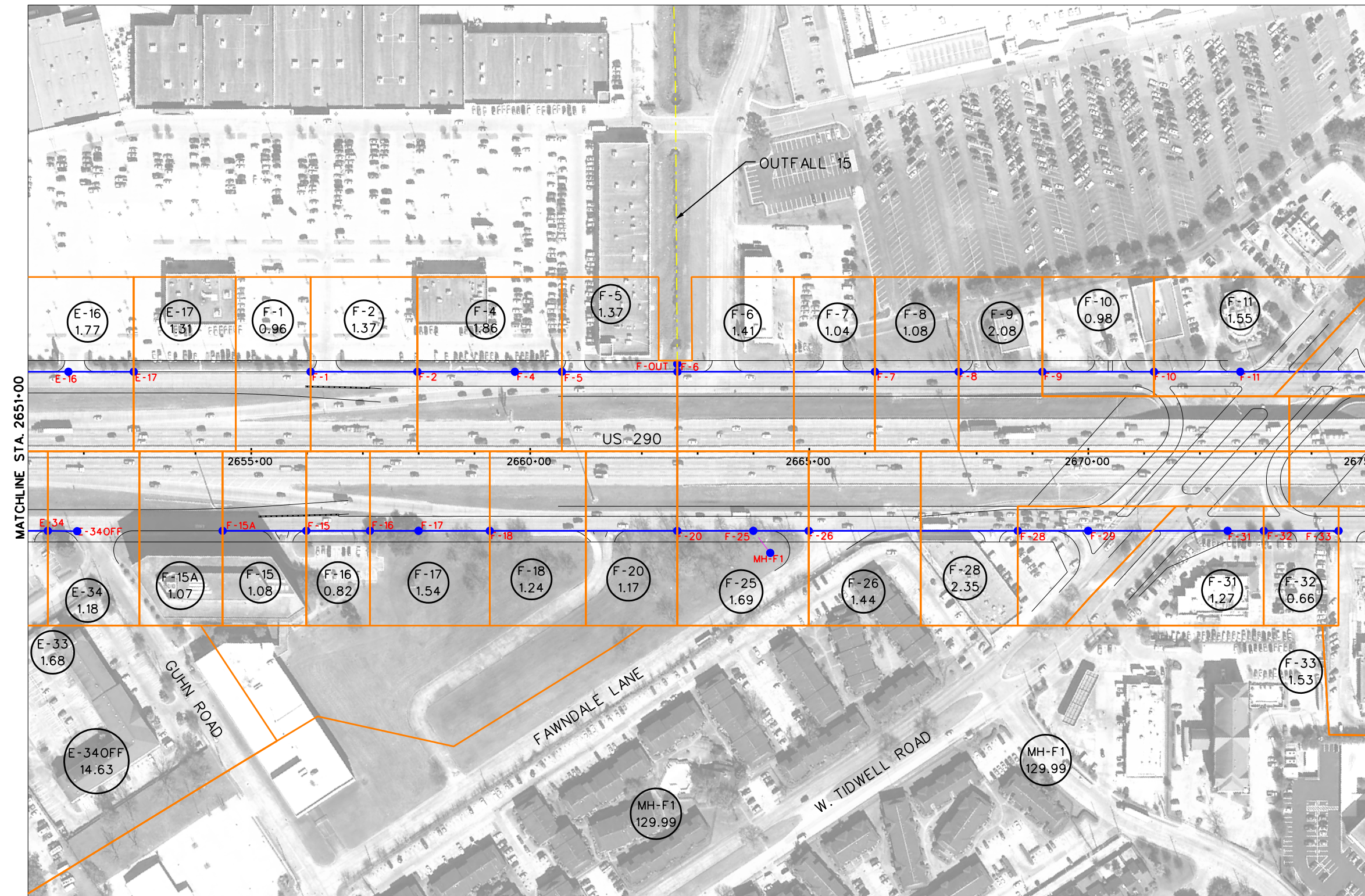
STORMSEWER DRAINAGE AREA MAP

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8/27/2009

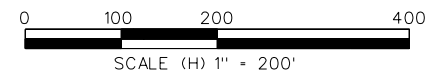
EXHIBIT 6





LEGEND

- PROPOSED PAVEMENT (FRTG. AND ML)
- PROPOSED DRAINAGE AREA BOUNDARY
- EXIST. STM SWR/CULVERTS
- EXIST. CHANNEL/DITCH
- PROP. STM SWR
- INLET/MH (ANALYSIS NODE)
- POND 1** PROPOSED DETENTION POND
- SHEET FLOW DIRECTION
- ML-03 DRAINAGE AREA LABEL/
DRAINAGE AREA SIZE (AC)



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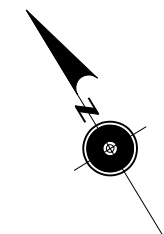
US 290 PMC

STORMSEWER DRAINAGE AREA MAP

SHEET 24 OF 36

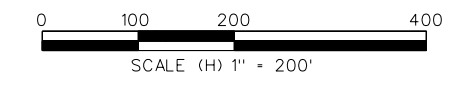
8/27/2009 EXHIBIT 6

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LEGEND

- PROPOSED PAVEMENT (FRTG. AND ML)
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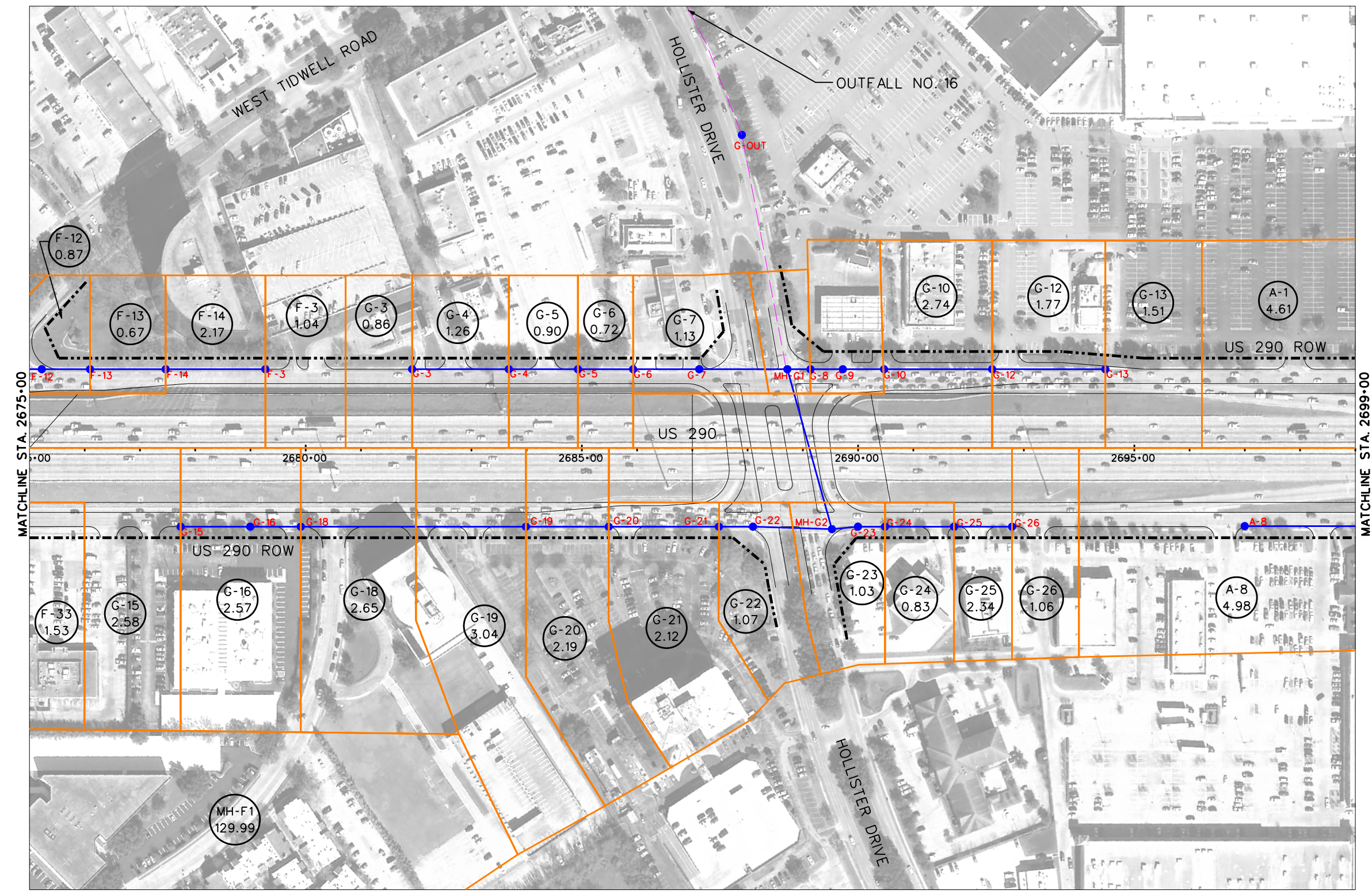


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STORMSEWER DRAINAGE AREA MAP





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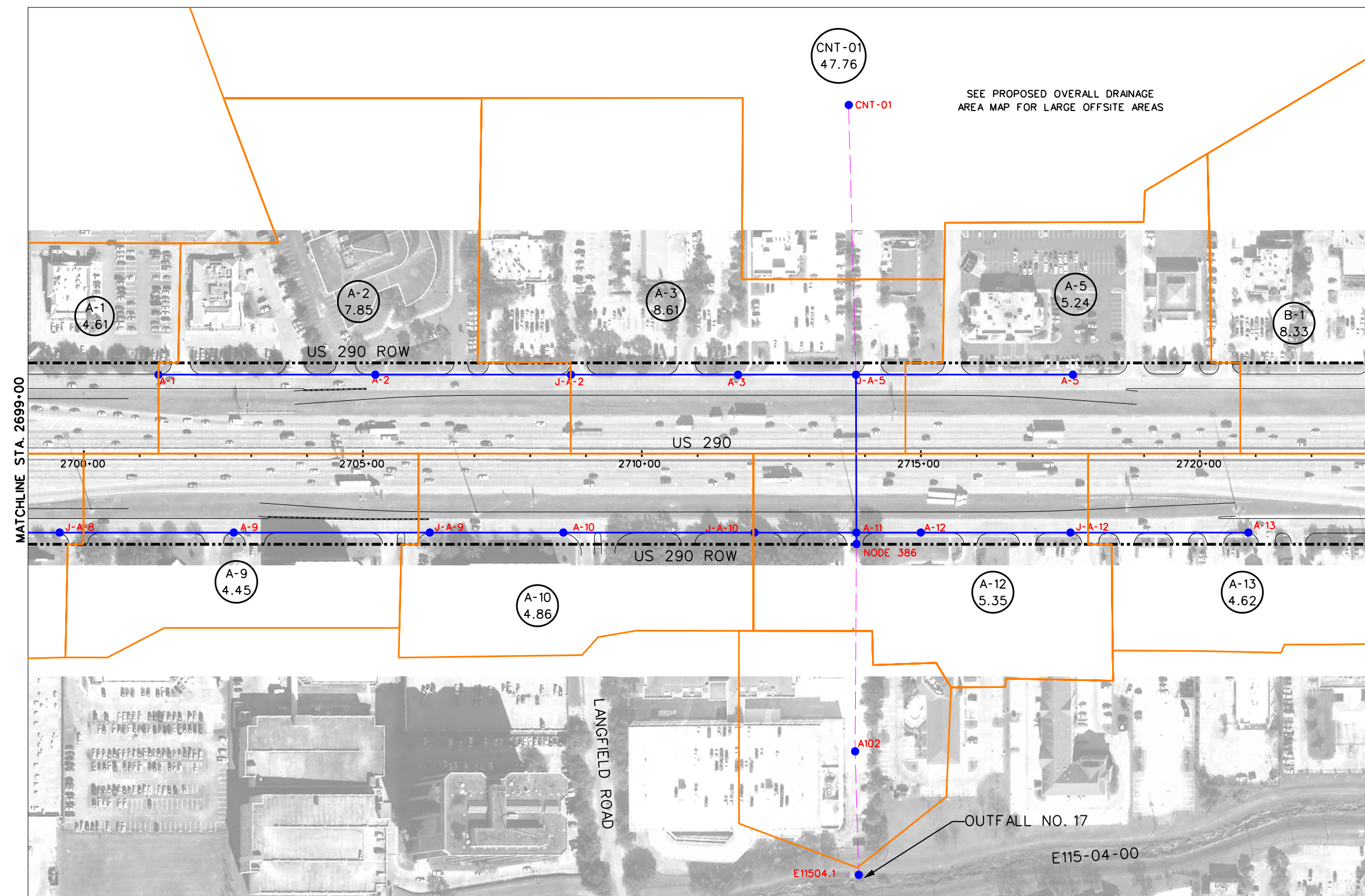
US 290 PMC

STORMSEWER DRAINAGE AREA MAP

SHEET 26 OF 36

9/8/2009

EXHIBIT 6

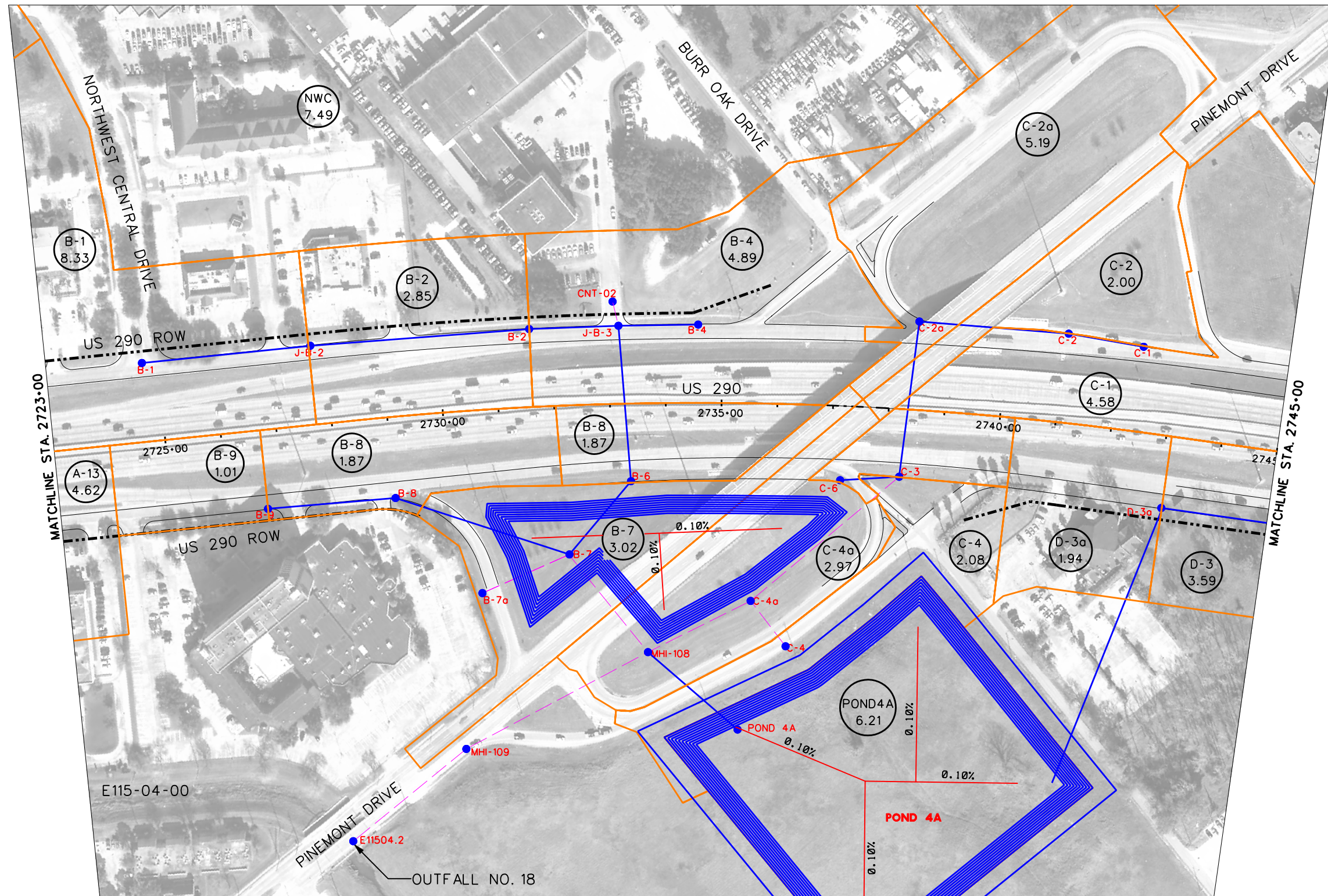


SEE PROPOSED OVERALL DRAINAGE
AREA MAP FOR LARGE OFFSITE AREAS

—OUTFALL NO. 17

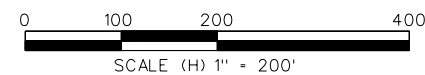
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LEGEND

- PROPOSED PAVEMENT (FRTG. AND ML)
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STORMSEWER DRAINAGE AREA MAP

SHEET 27 OF 36

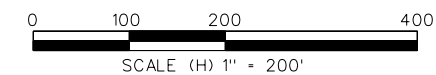
9/8/2009

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|---|---|
|  | PROPOSED PAVEMENT
(FRTG. AND ML) |
|  | PROPOSED DRAINAGE
AREA BOUNDARY |
|  | EXIST. STM SWR/CULVERTS |
|  | EXIST. CHANNEL/DITCH |
|  | PROP. STM SWR |
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STORMSEWER DRAINAGE AREA MAP

SHEET 28 OF 36

EXHIBIT 6

