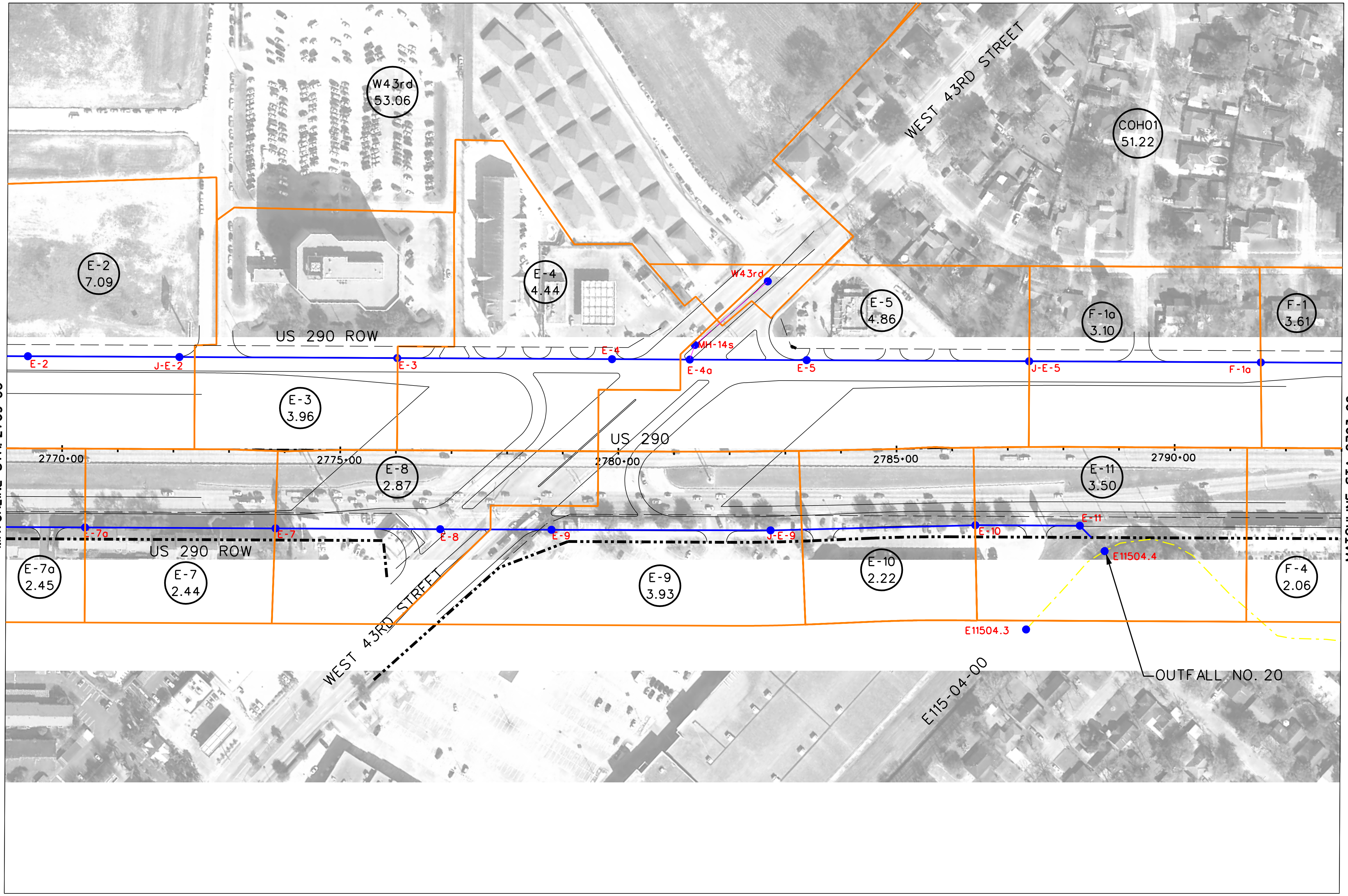

LEGEND

	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)

0 100 200 400

SCALE (H) 1" = 200'

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STORMSEWER DRAINAGE AREA MAP

SHEET 29 OF 36

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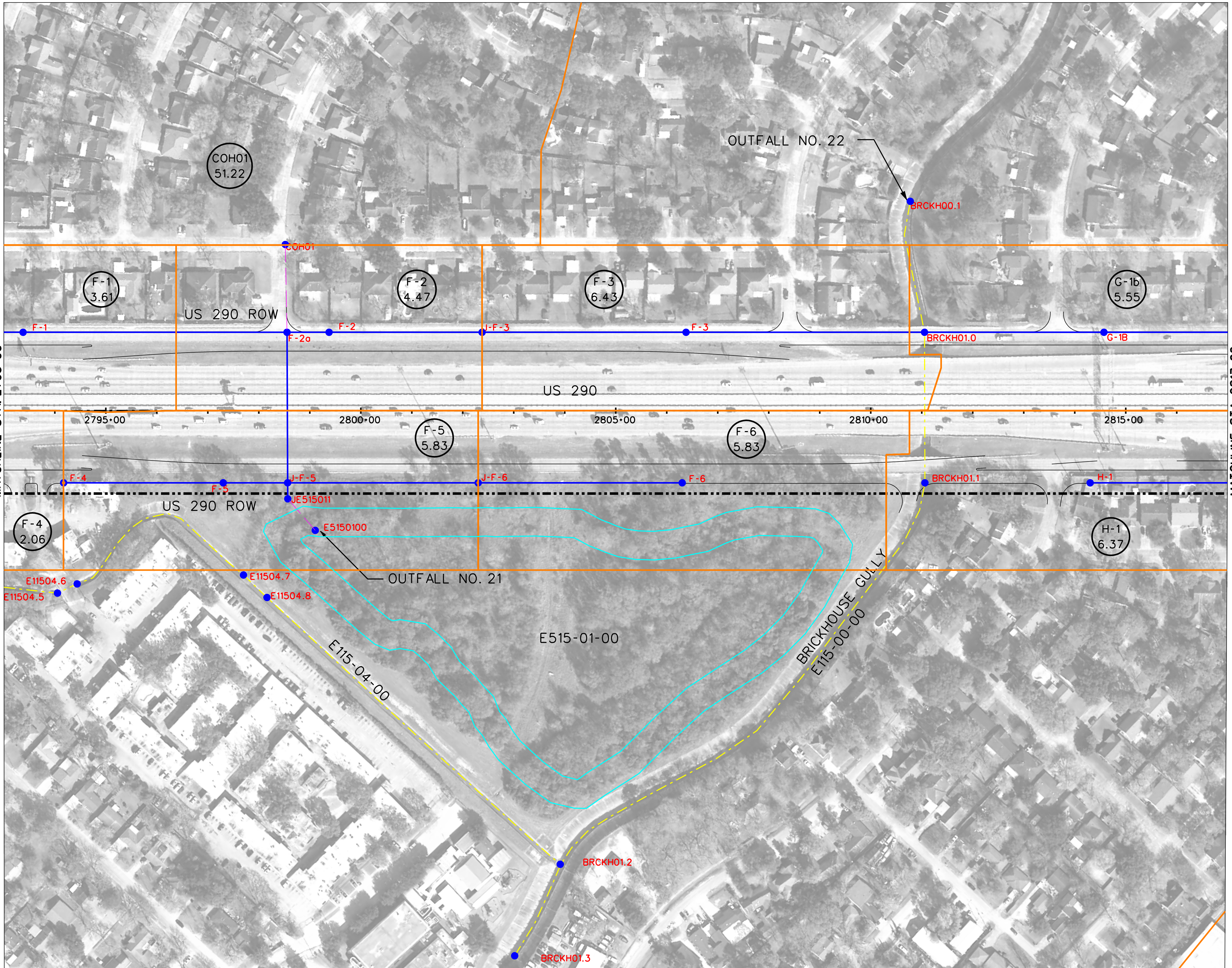

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LEGEND

	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)

0 100 200 400

SCALE (H) 1" = 200'

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STORMSEWER DRAINAGE AREA MAP

SHEET 30 OF 36

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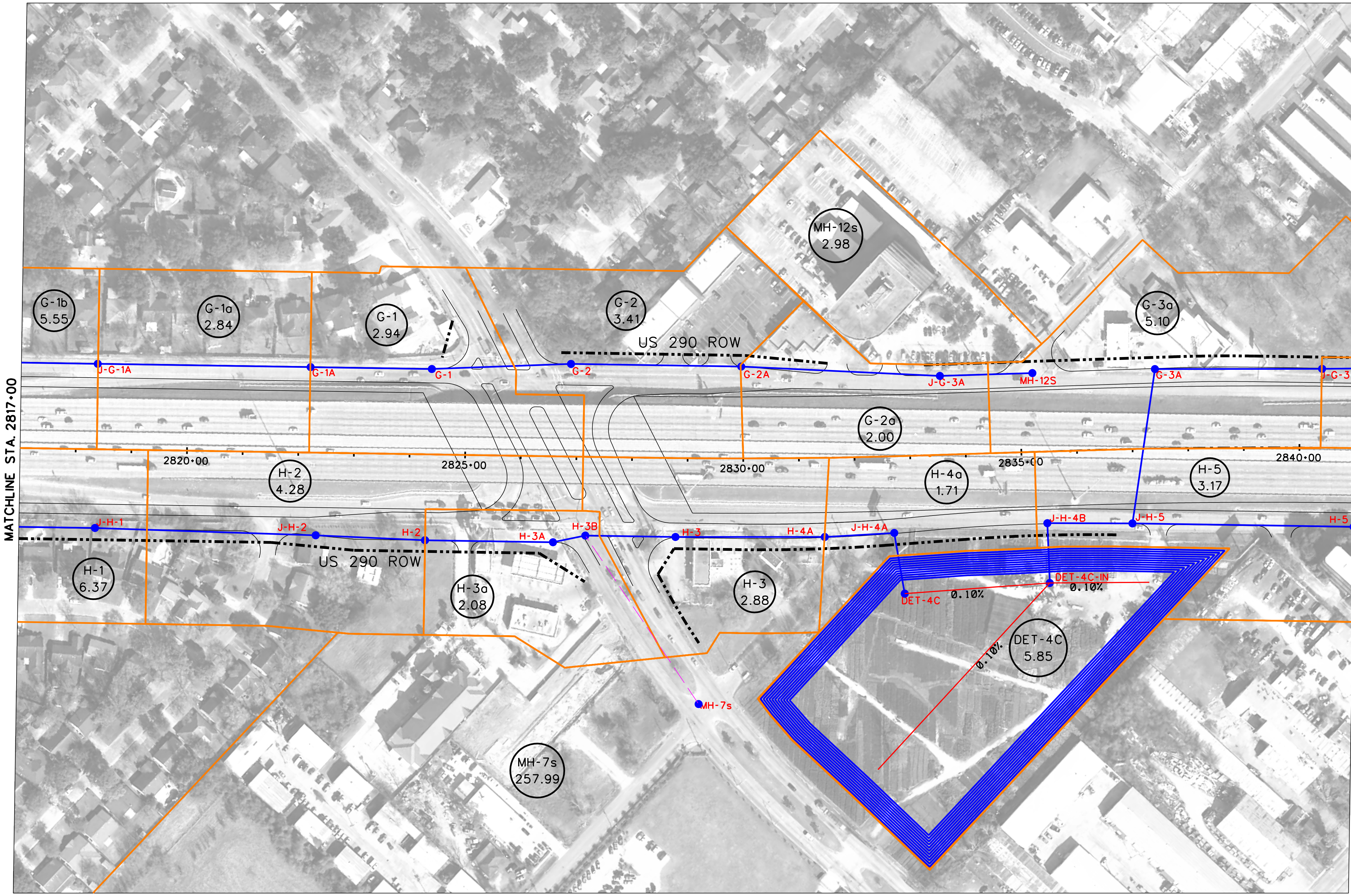

LEGEND

	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)

0 100 200 400
SCALE (H) 1" = 200'

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SHEET 31 OF 36

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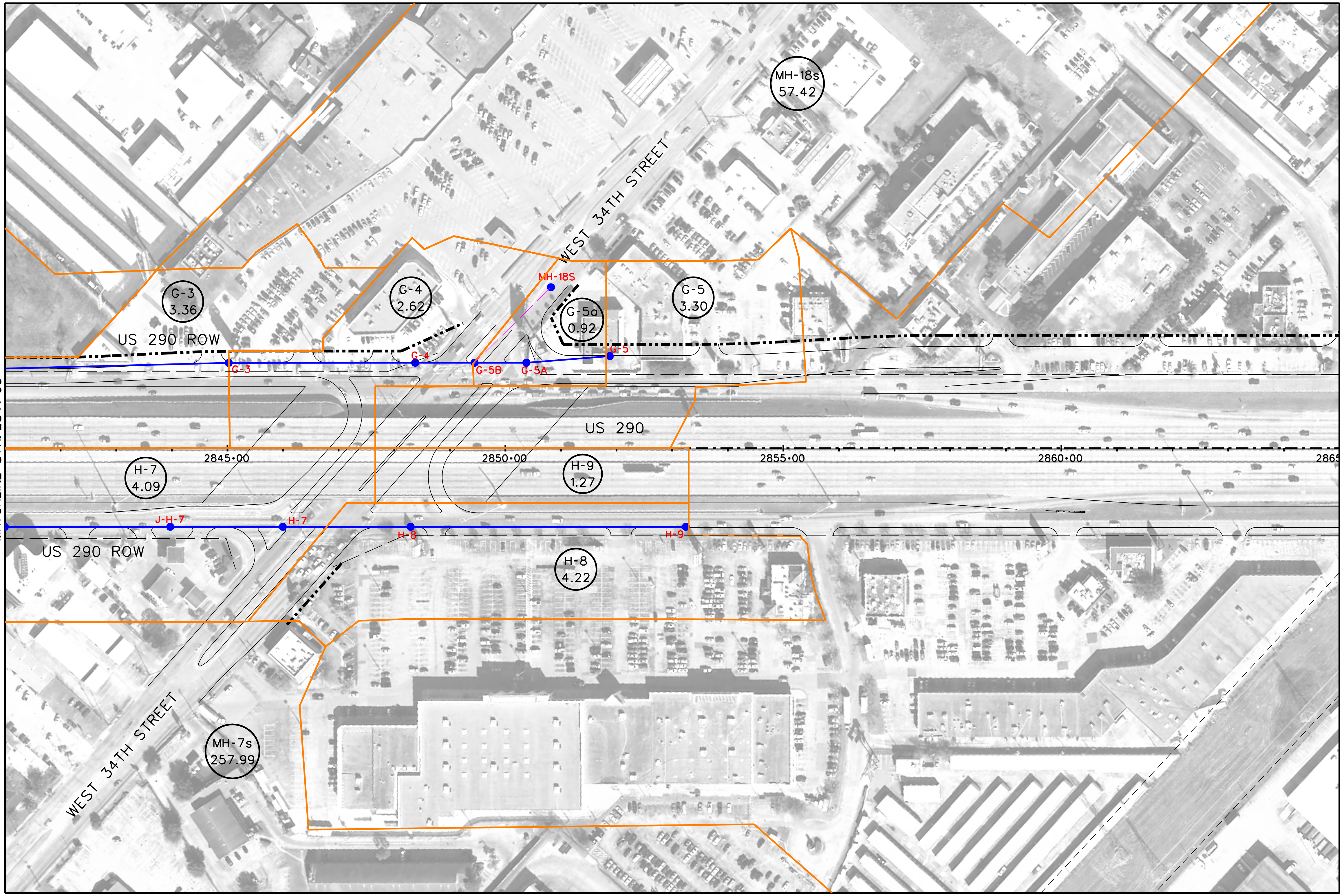
MATCHLINE STA. 2841+00



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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)

0 100 200 400

SCALE (H) 1" = 200'

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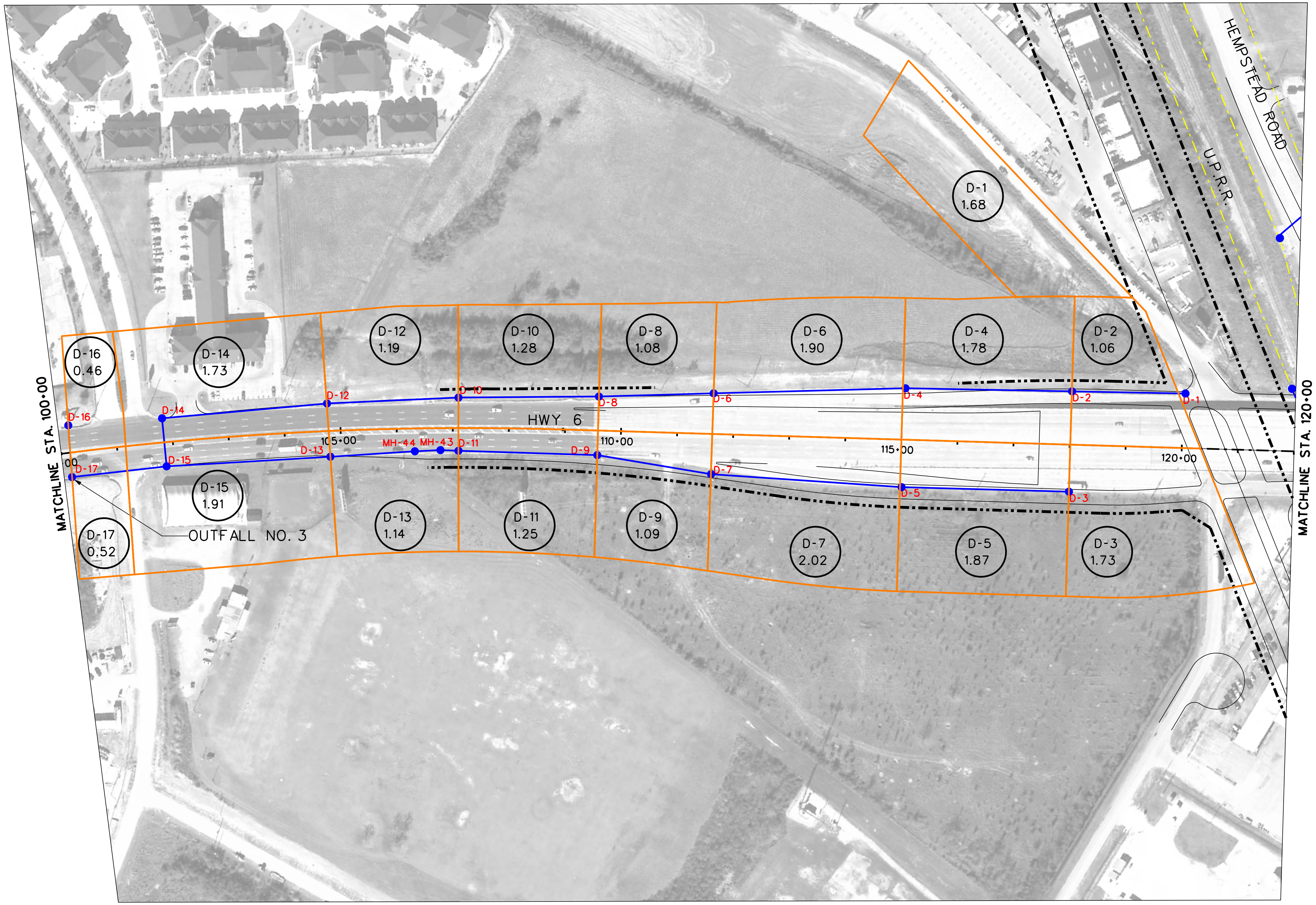

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LEGEND

	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)

0 100 200 400

SCALE (H) 1" = 200'

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SHEET 33 OF 36

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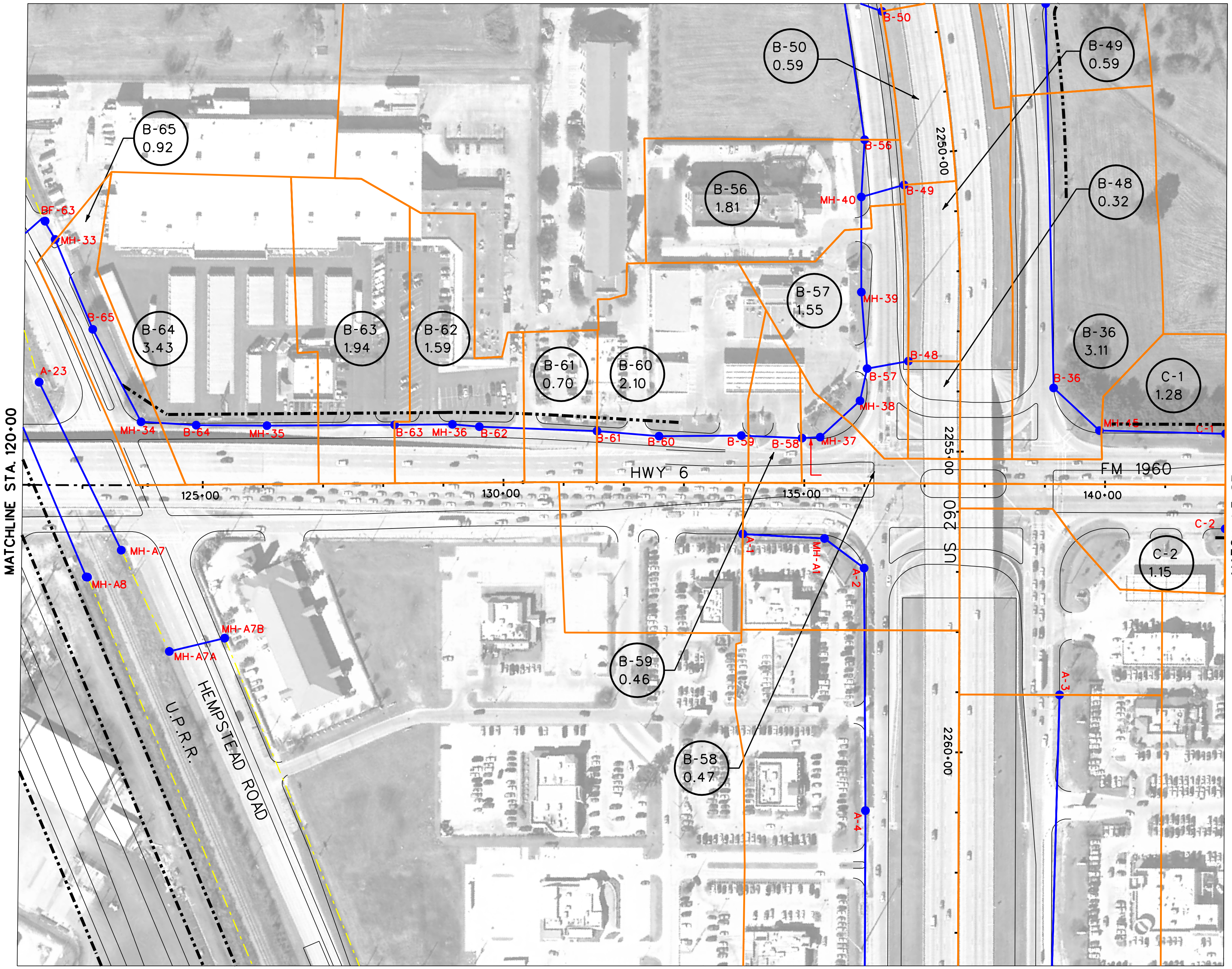

LEGEND

	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)

0 100 200 400

SCALE (H) 1" = 200'

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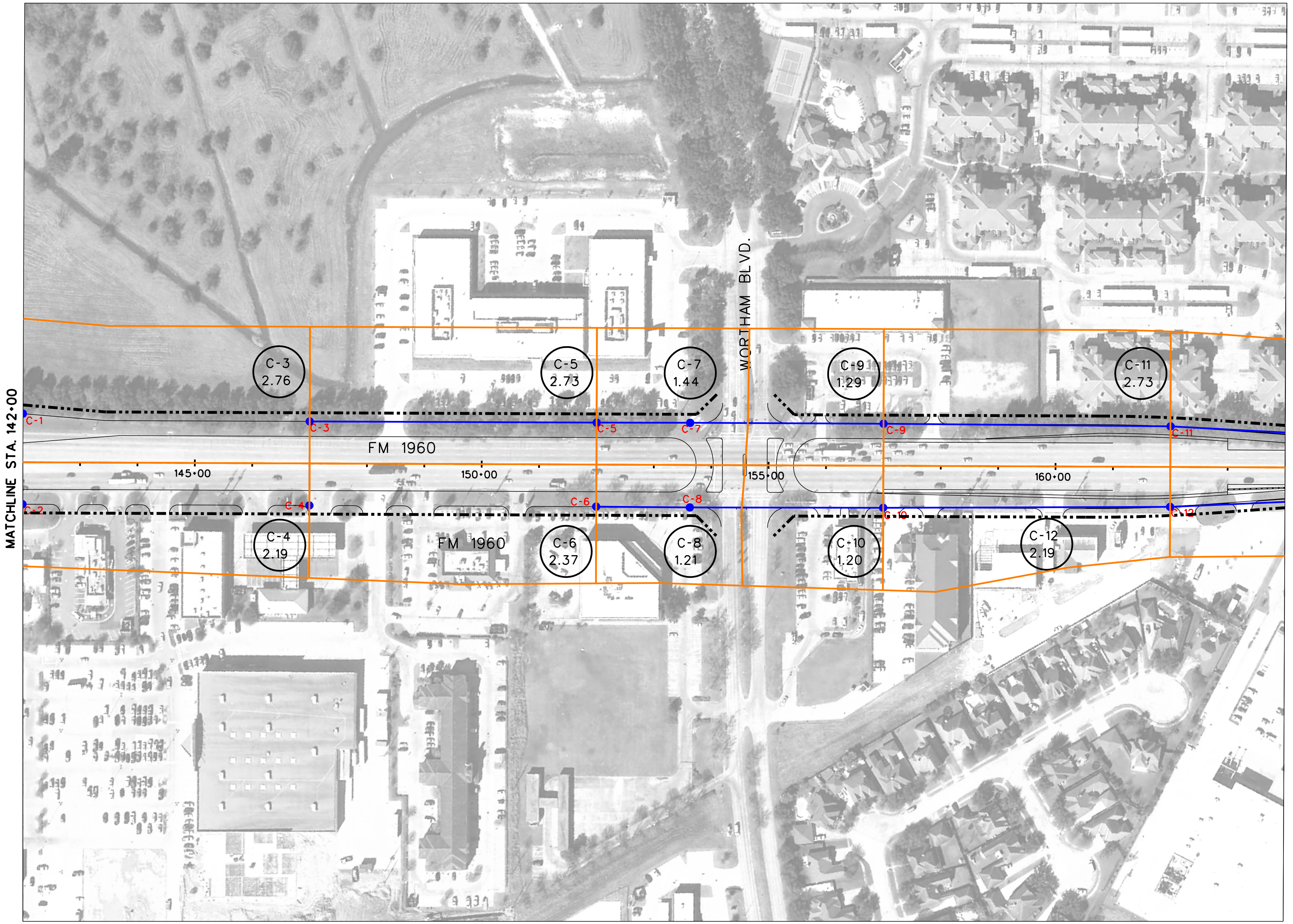

LEGEND

	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)

0 100 200 400

SCALE (H) 1" = 200'

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SHEET 35 OF 36

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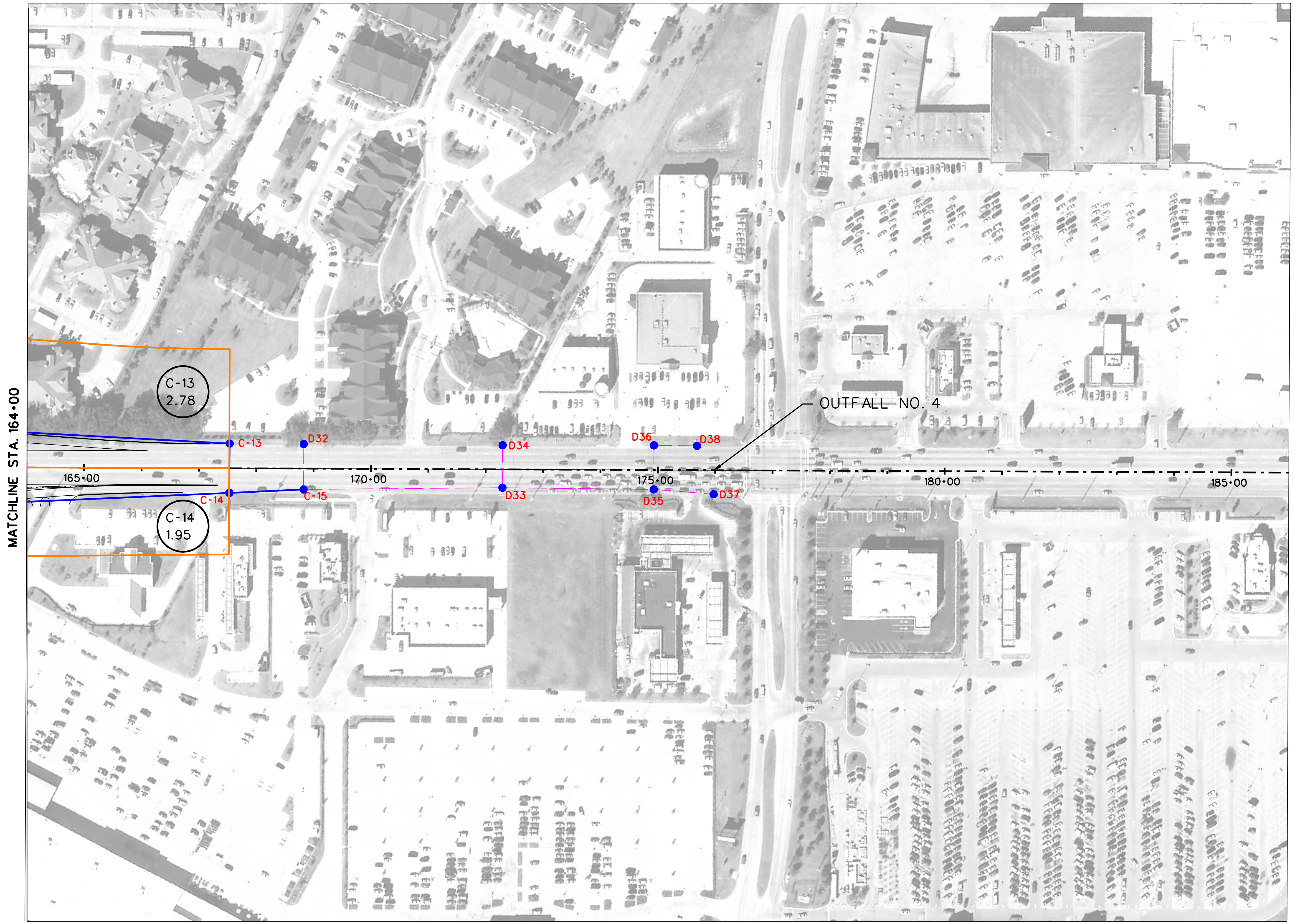

LEGEND

	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)

0 100 200 400
SCALE (H) 1" = 200'

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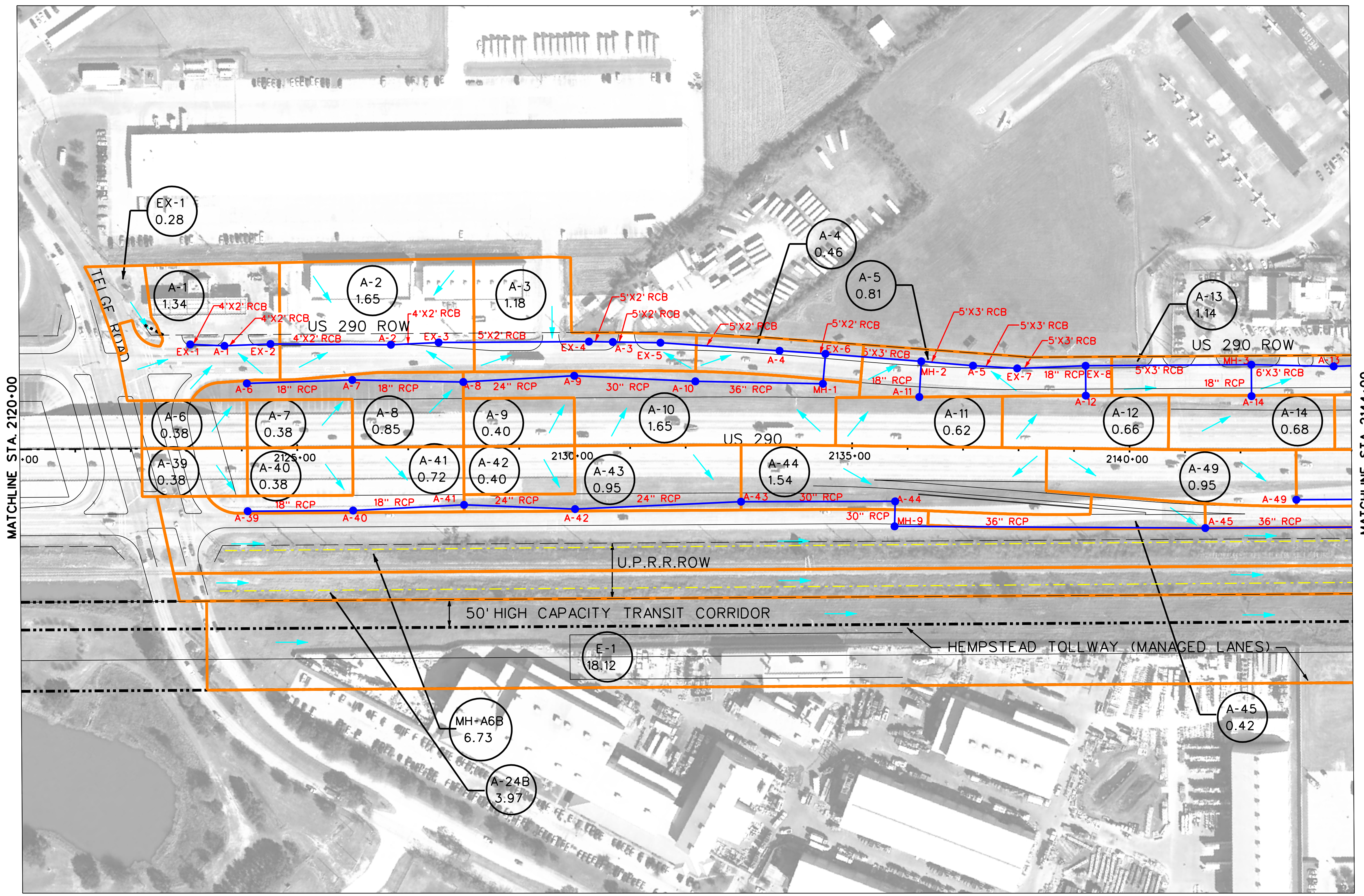

LEGEND

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)

0 100 200 400

SCALE (H) 1" = 200'

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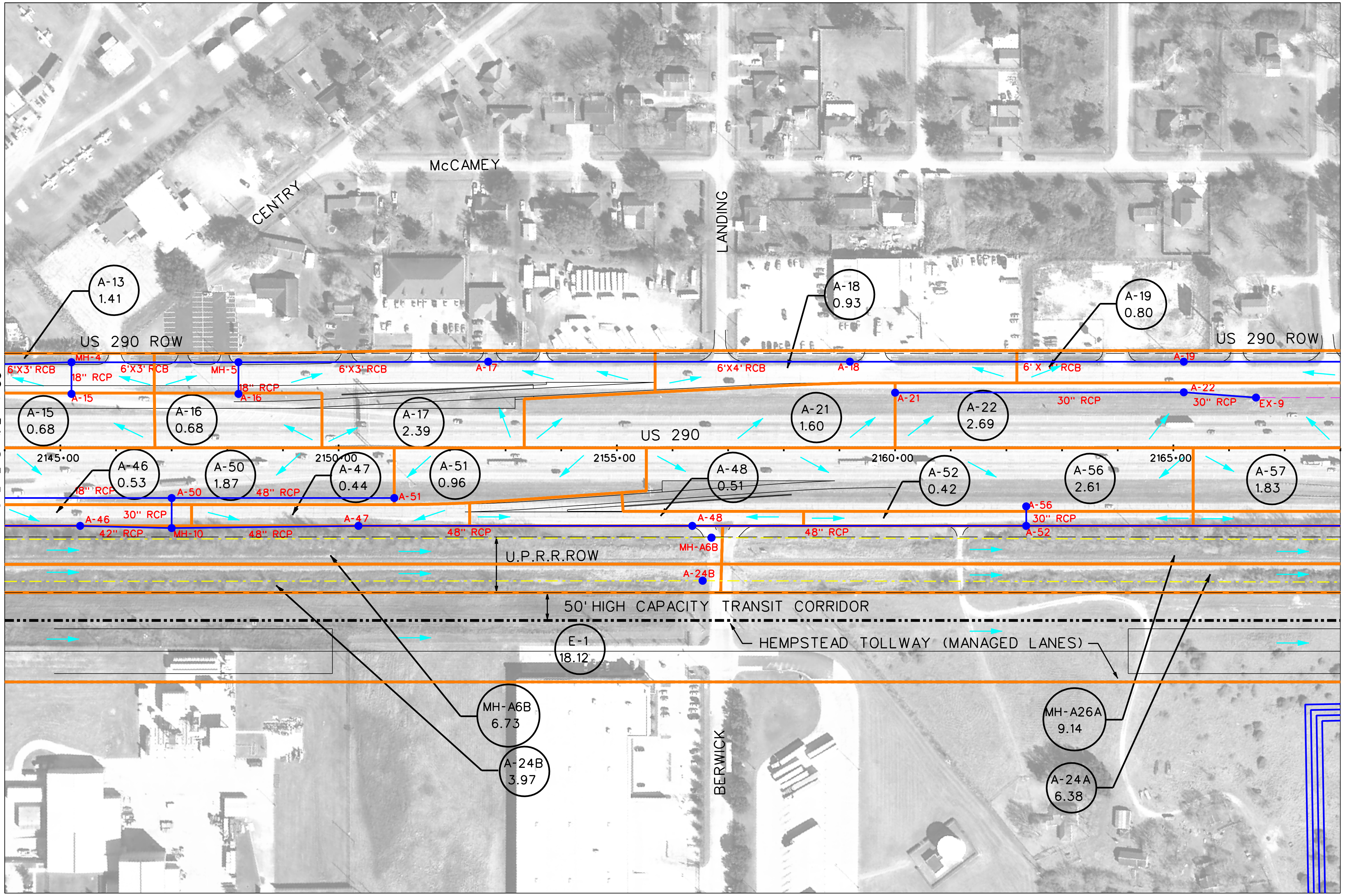

LEGEND

	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)

0 100 200 400
SCALE (H) 1" = 200'

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SHEET 2 OF 36

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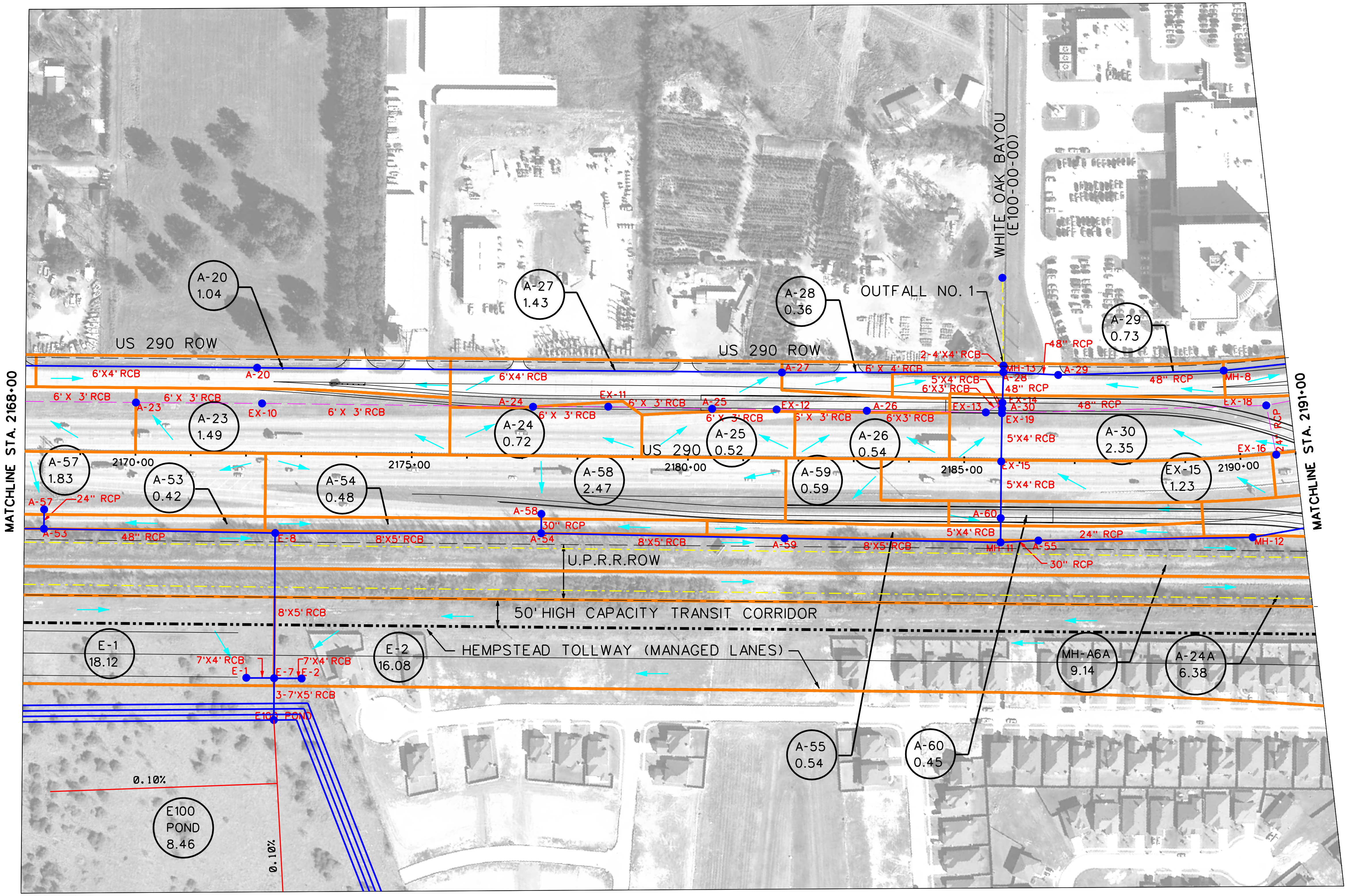

LEGEND

	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)

0 100 200 400
SCALE (H) 1" = 200'

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SHEET 3 OF 36

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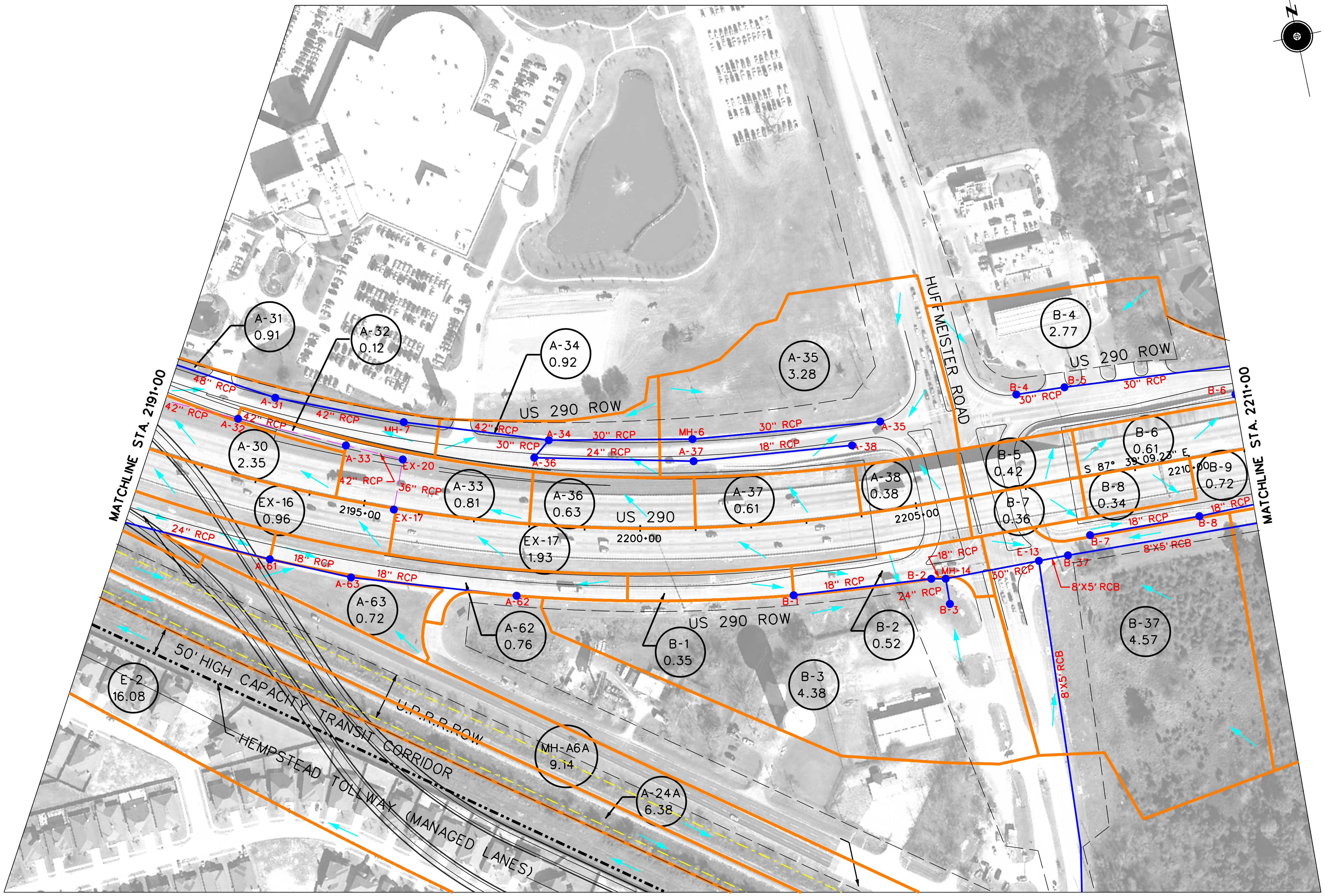

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LEGEND

	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)

0 100 200 400
SCALE (H) 1" = 200'

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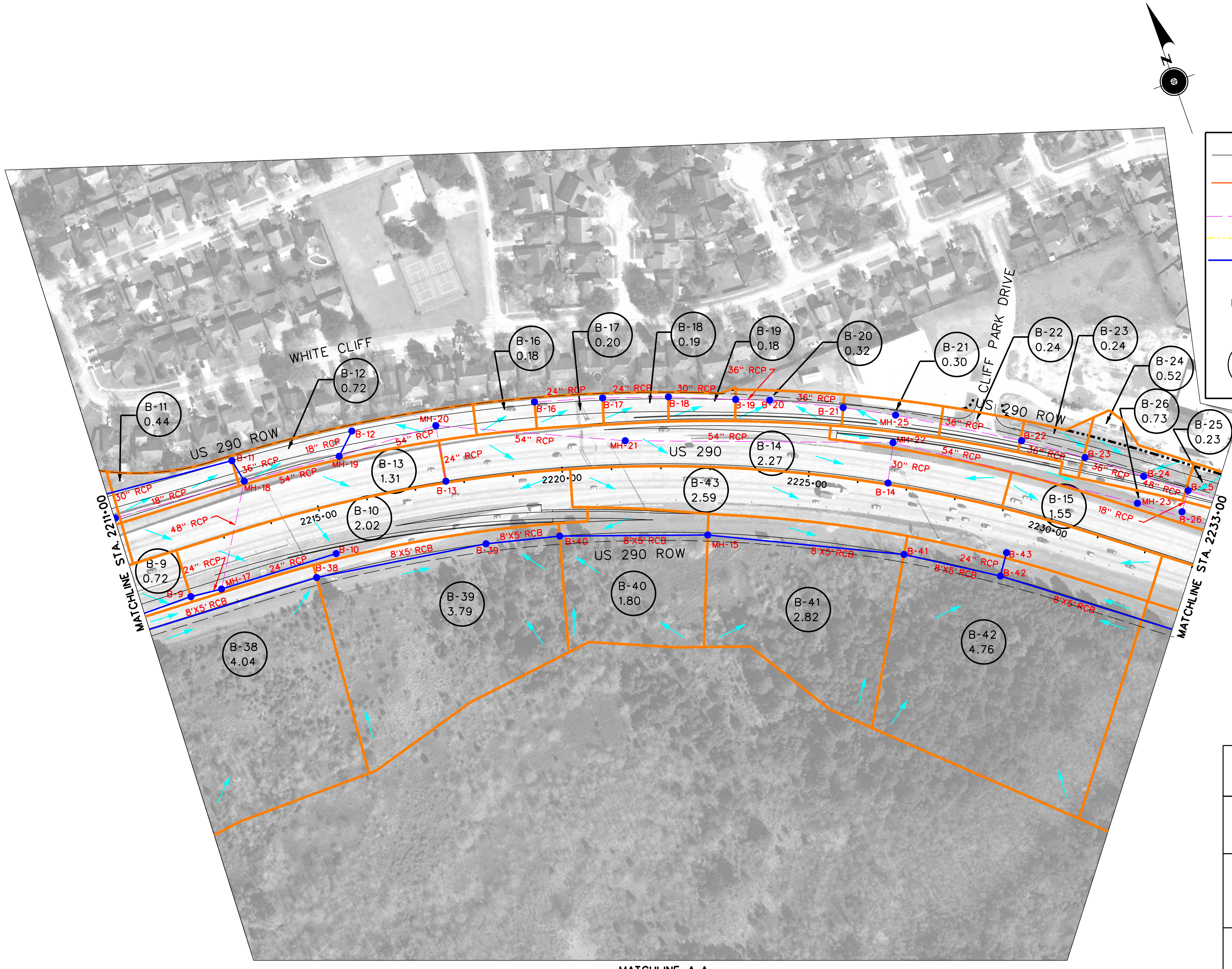

LEGEND

	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)

0 100 200 400

SCALE (H) 1" = 200'
(V) 1" = 10'

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MITIGATION DRAINAGE AREA MAP

SHEET 5 OF 36

8/27/2009

EXHIBIT 8

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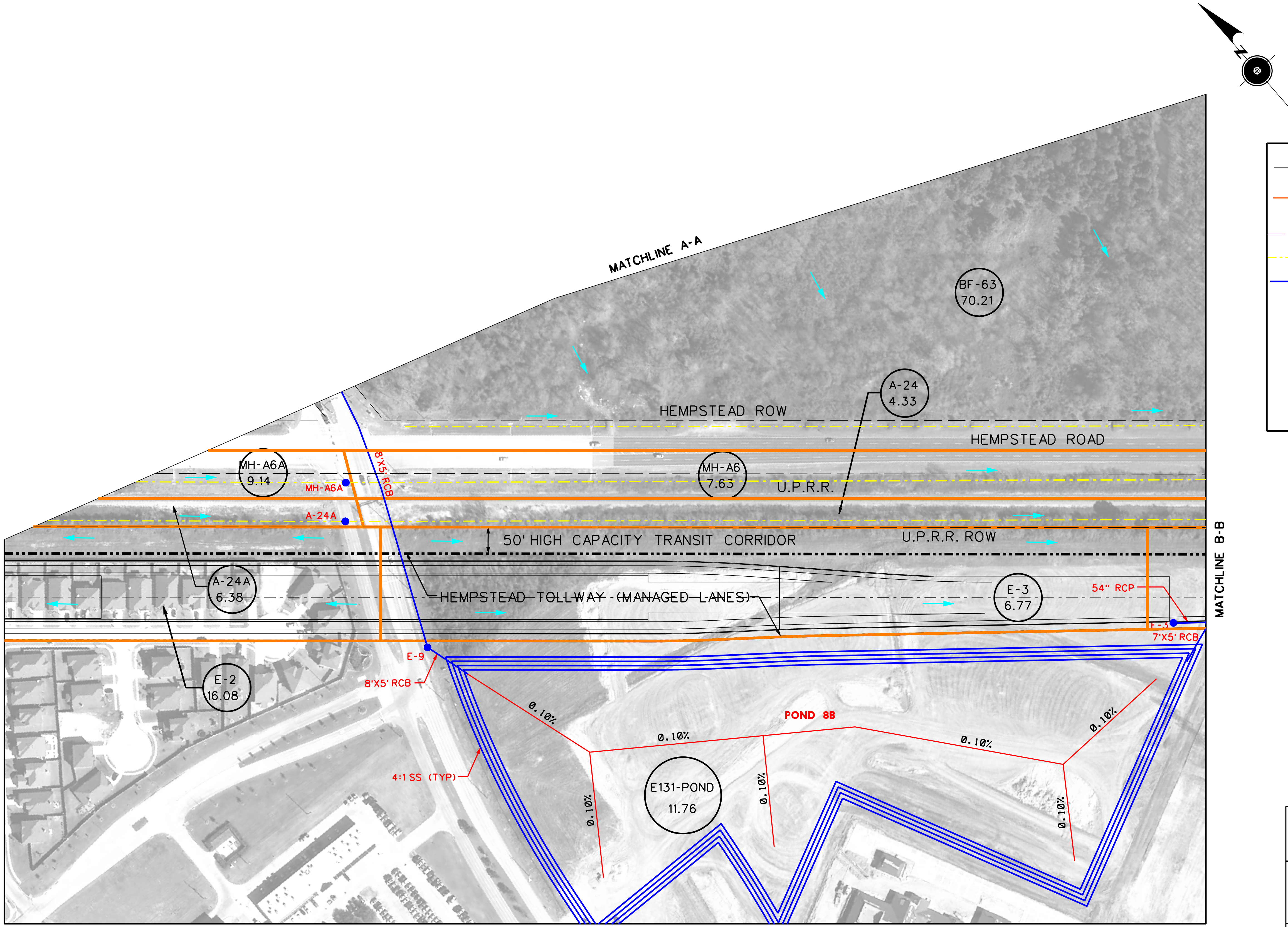

LEGEND

	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)

0 100 200 400

SCALE (H) 1" = 200'

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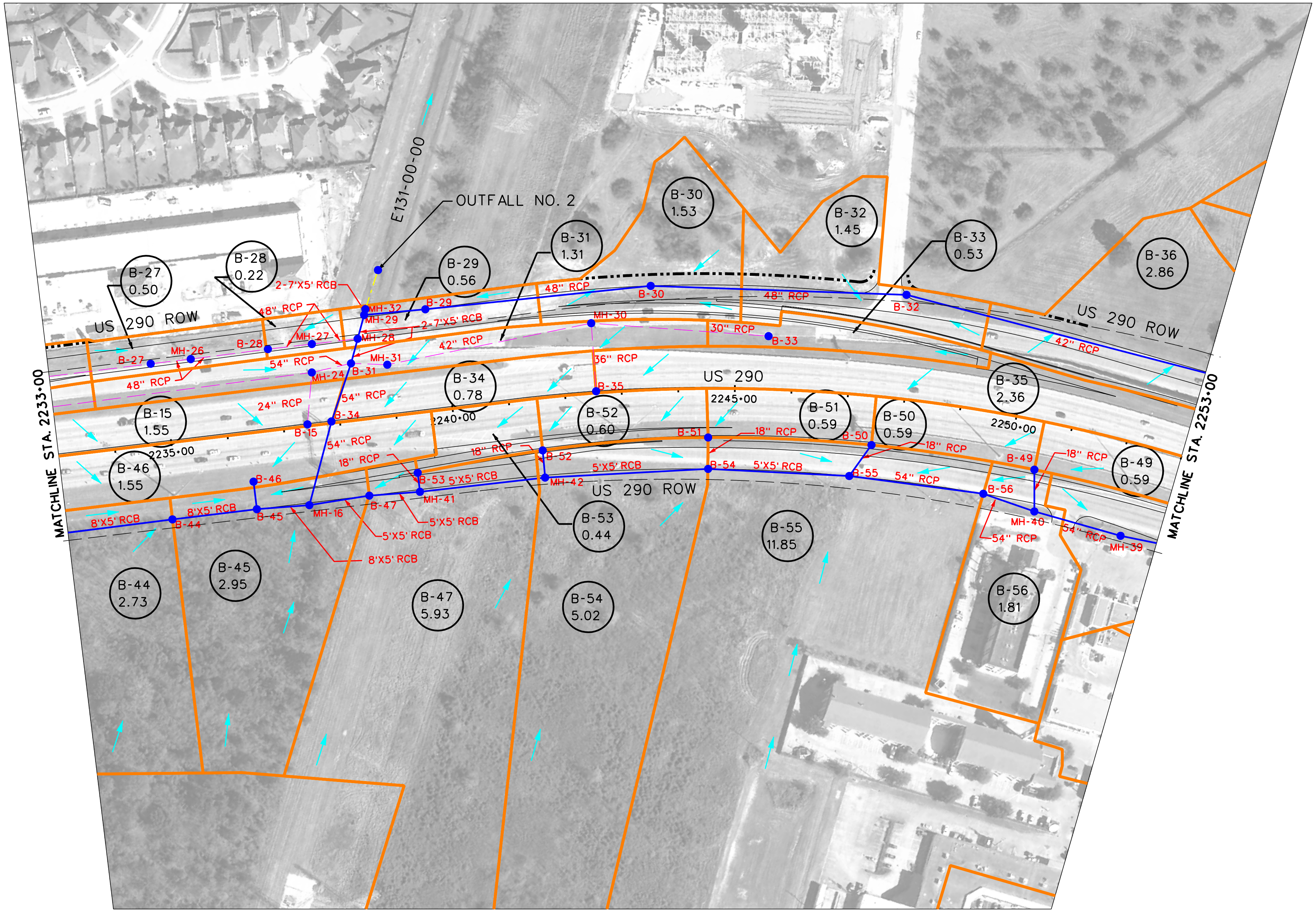

LEGEND

	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)

0 100 200 400

SCALE (H) 1" = 200'

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SHEET 6 OF 36

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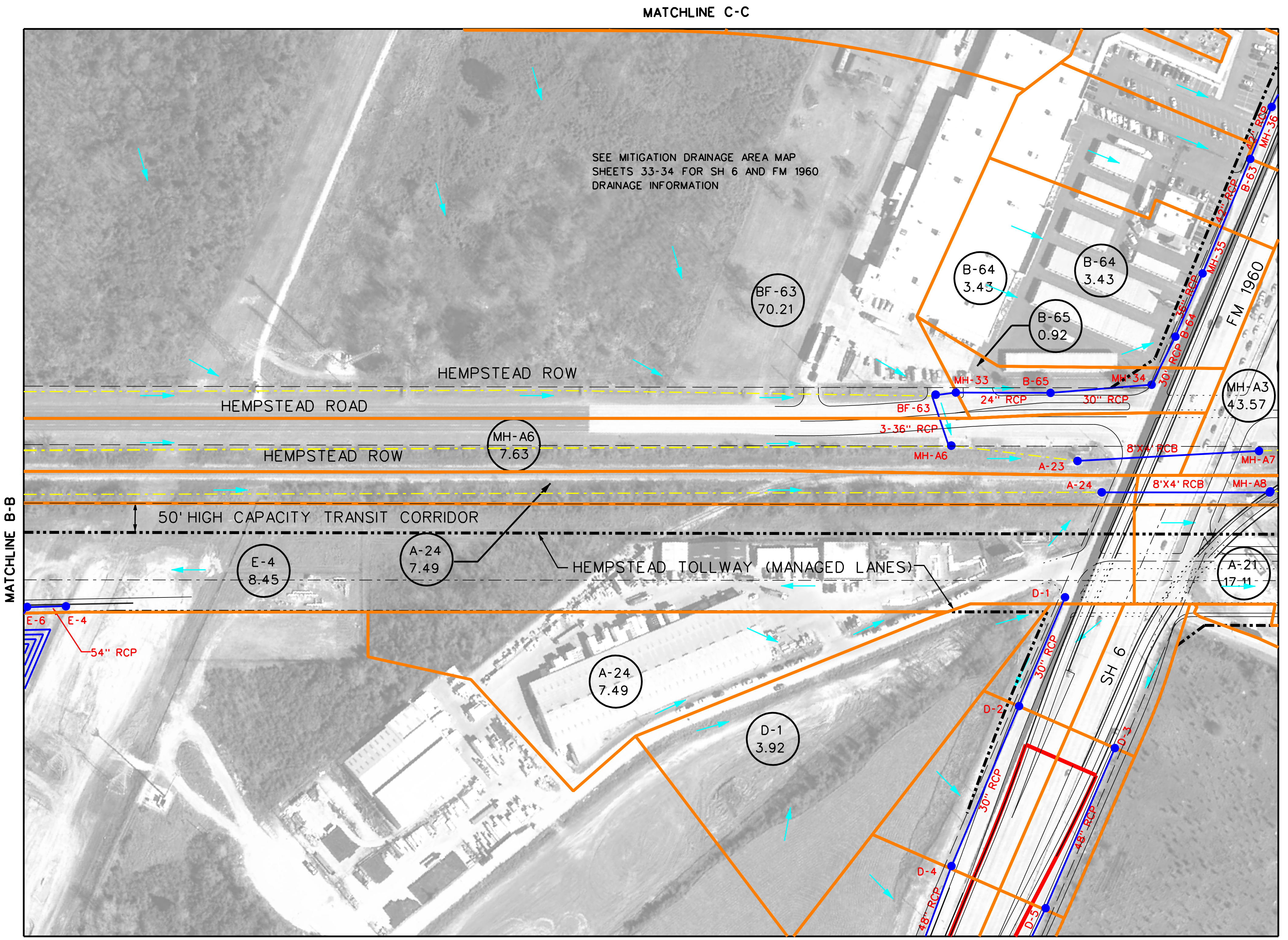

LEGEND

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)

0 100 200 400

SCALE (H) 1" = 200'

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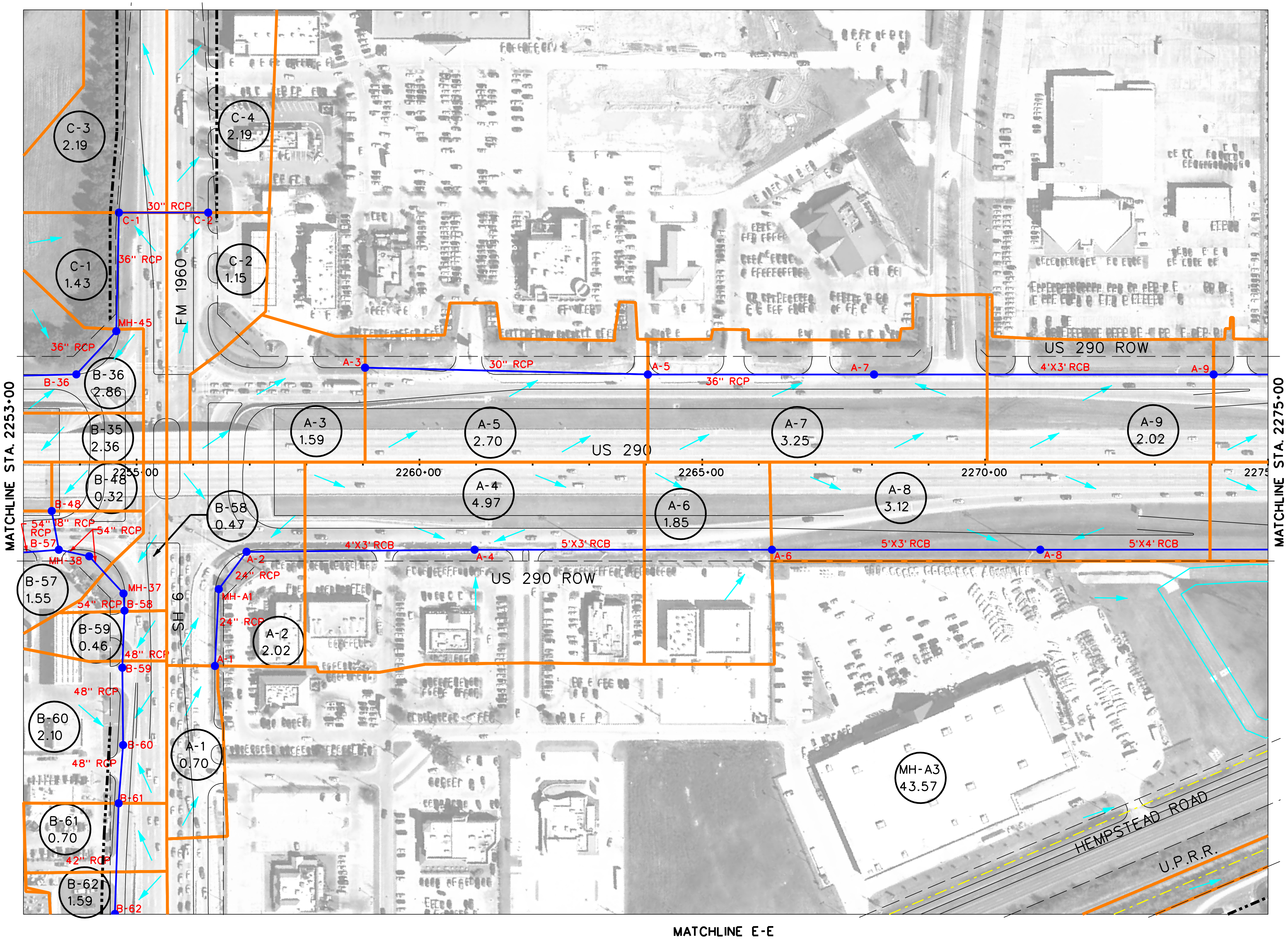

LEGEND

	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)

0 100 200 400
SCALE (H) 1" = 200'

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MITIGATION DRAINAGE AREA MAP

SHEET 7 OF 36

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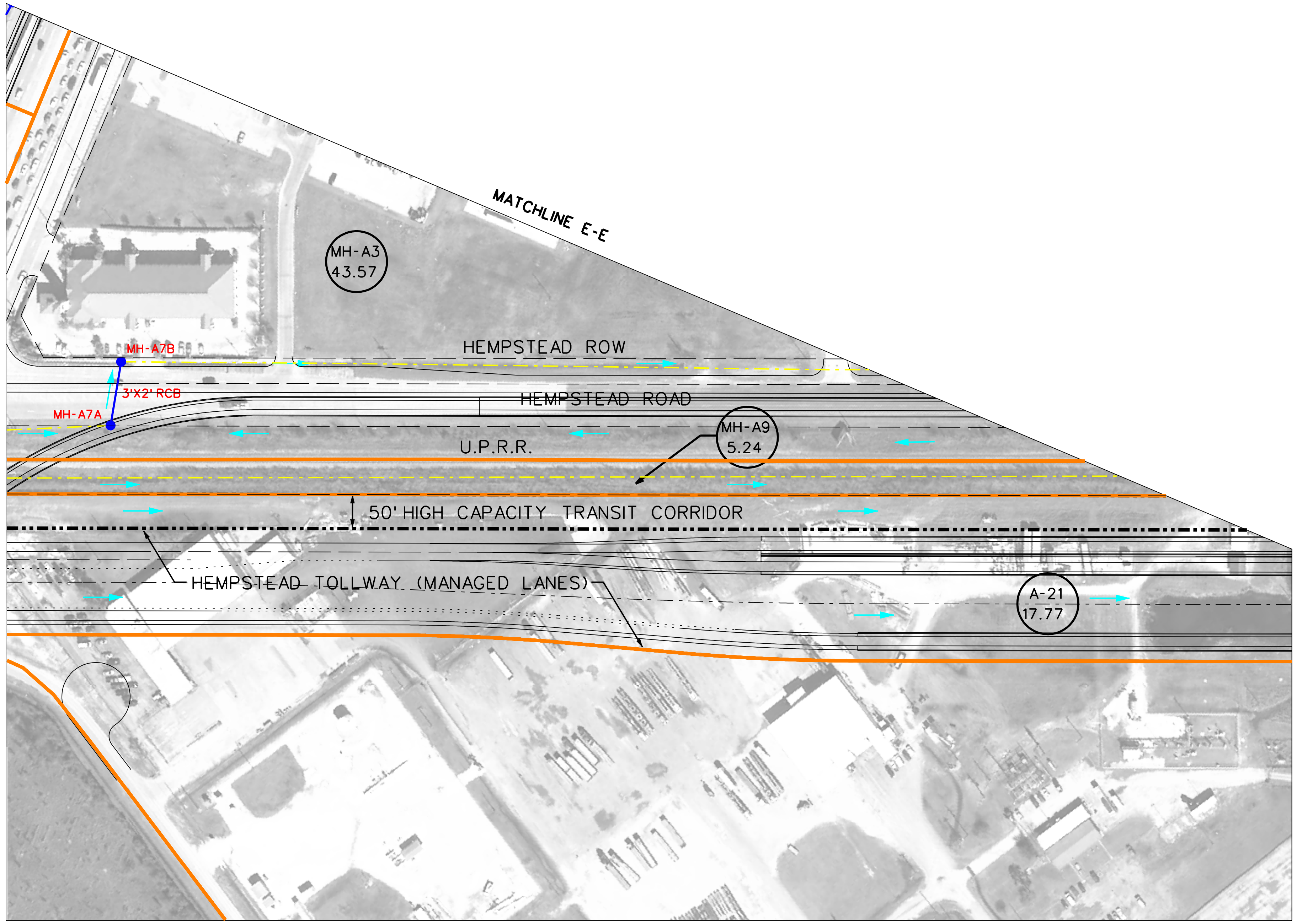

LEGEND

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)

0 100 200 400

SCALE (H) 1" = 200'

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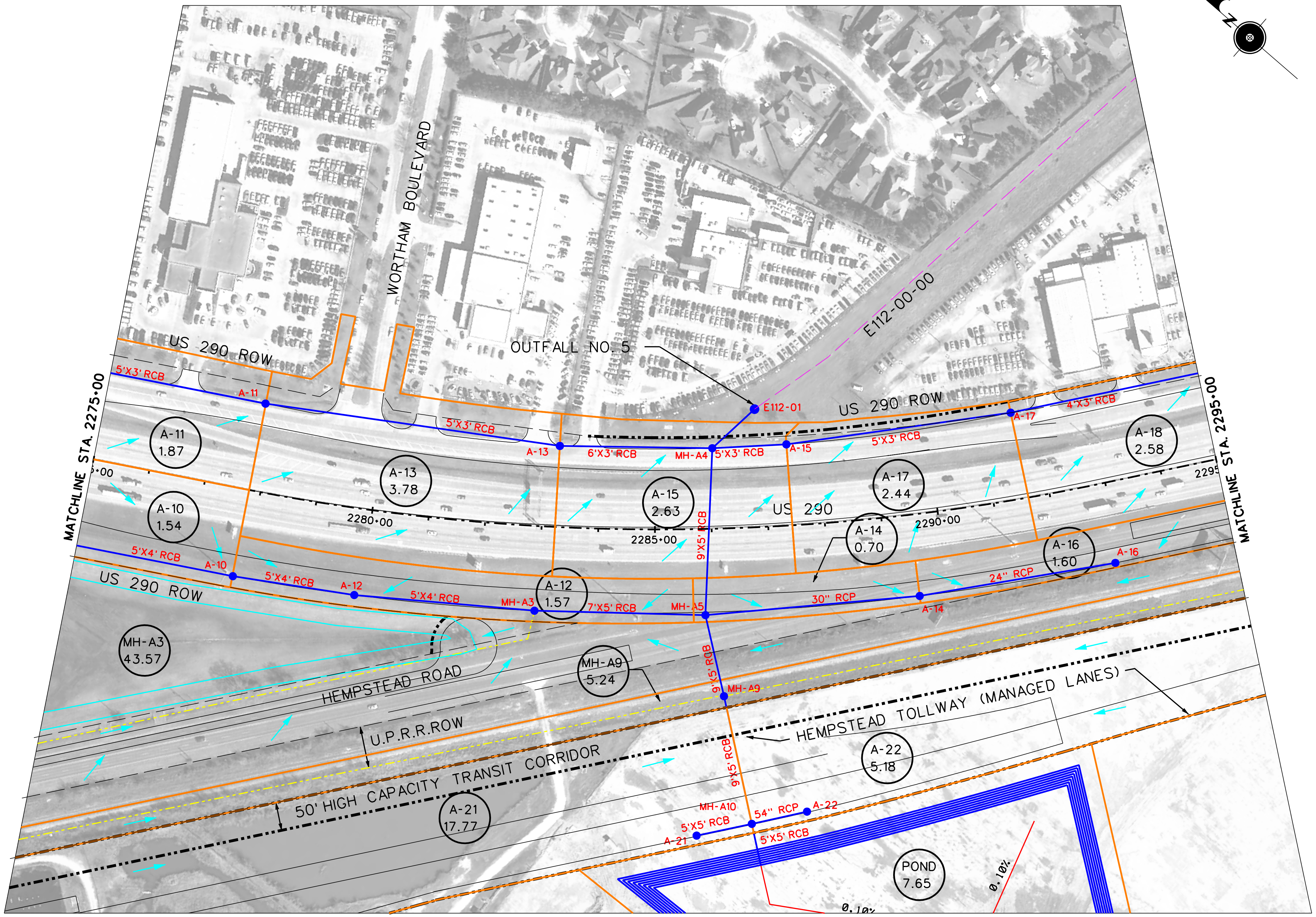

LEGEND

	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)

0 100 200 400

SCALE (H) 1" = 200'

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MITIGATION DRAINAGE AREA MAP

SHEET 8 OF 36

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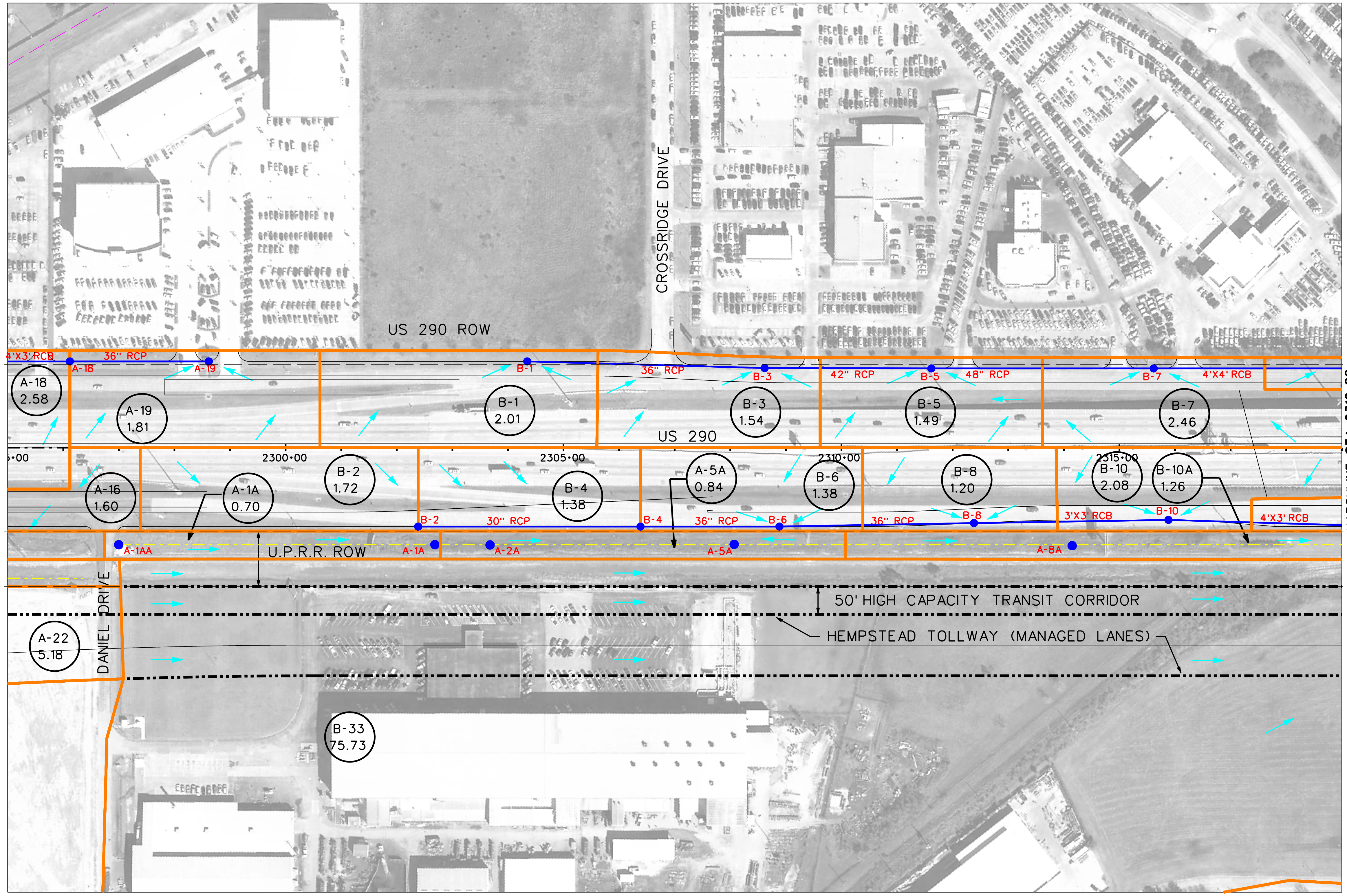

LEGEND

	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)

0 100 200 400

SCALE (H) 1" = 200'

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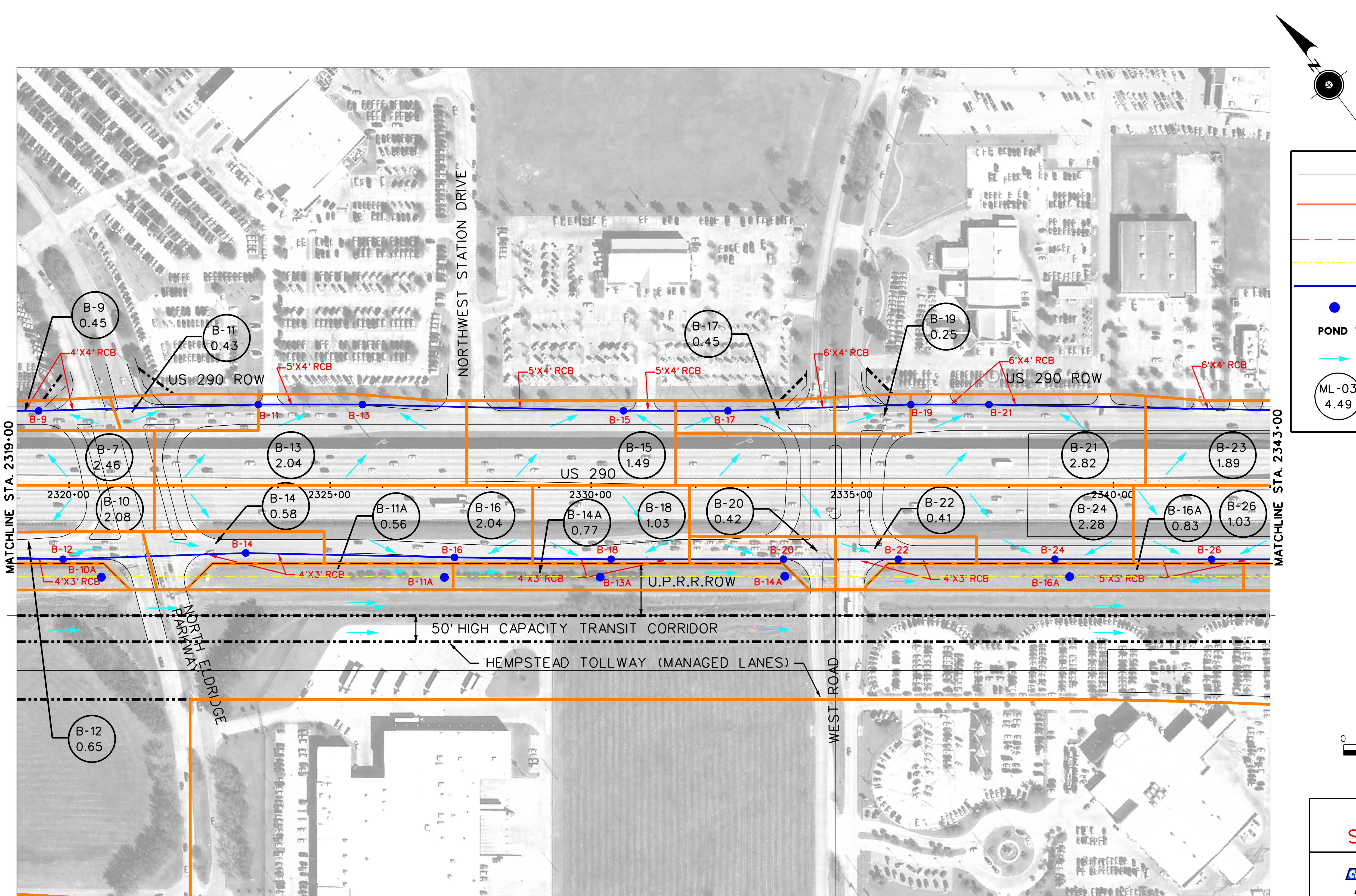

LEGEND

	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)

0 100 200 400

SCALE (H) 1" = 200'
(V) 1" = 10'

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SHEET 10 OF 36

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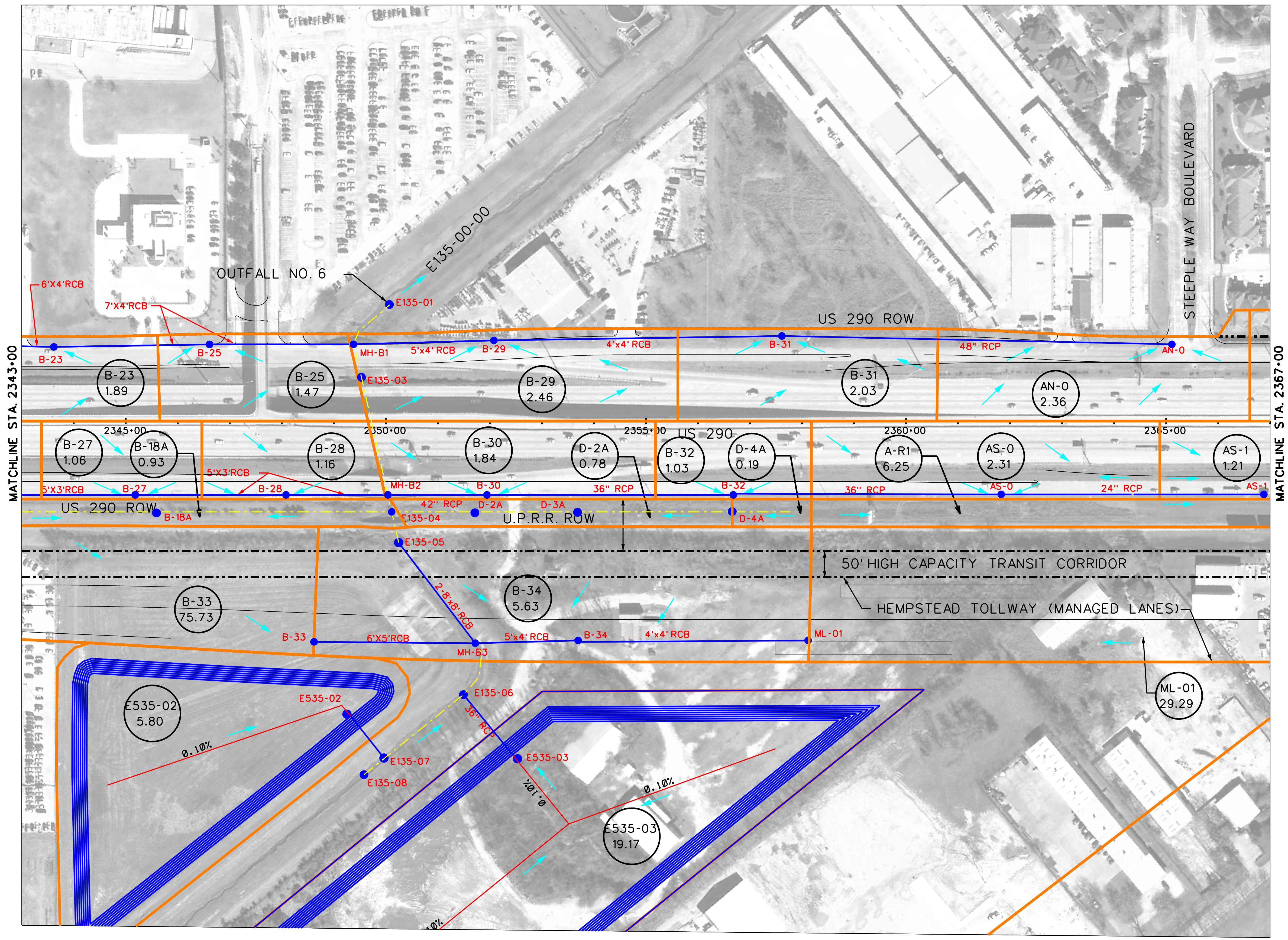

LEGEND

	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)

0 100 200 400
SCALE (H) 1" = 200'

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MITIGATION DRAINAGE AREA MAP

SHEET 11 OF 36

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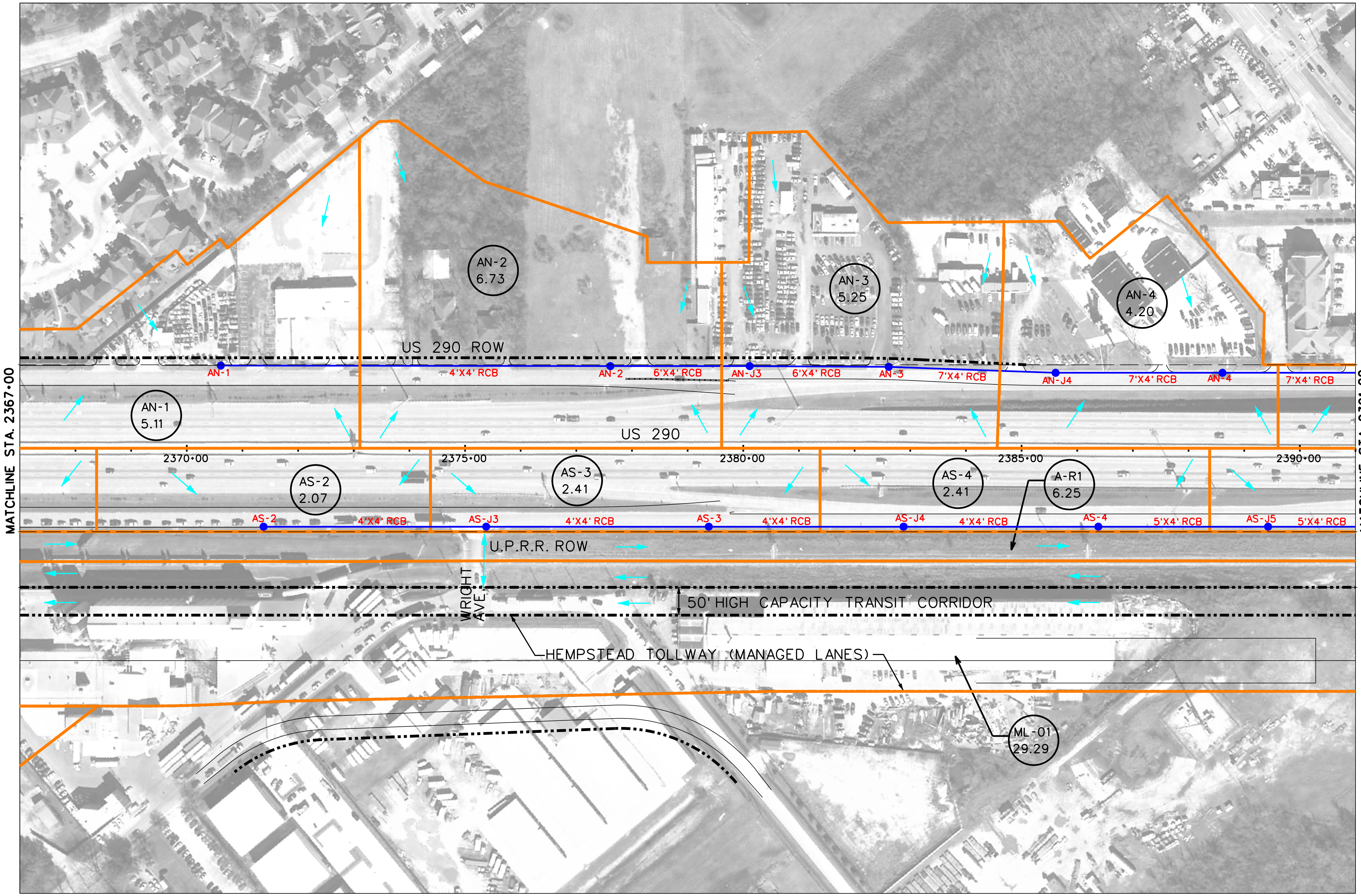

LEGEND

	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)

0 100 200 400
SCALE (H) 1" = 200'

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MITIGATION DRAINAGE AREA MAP

SHEET 12 OF 36

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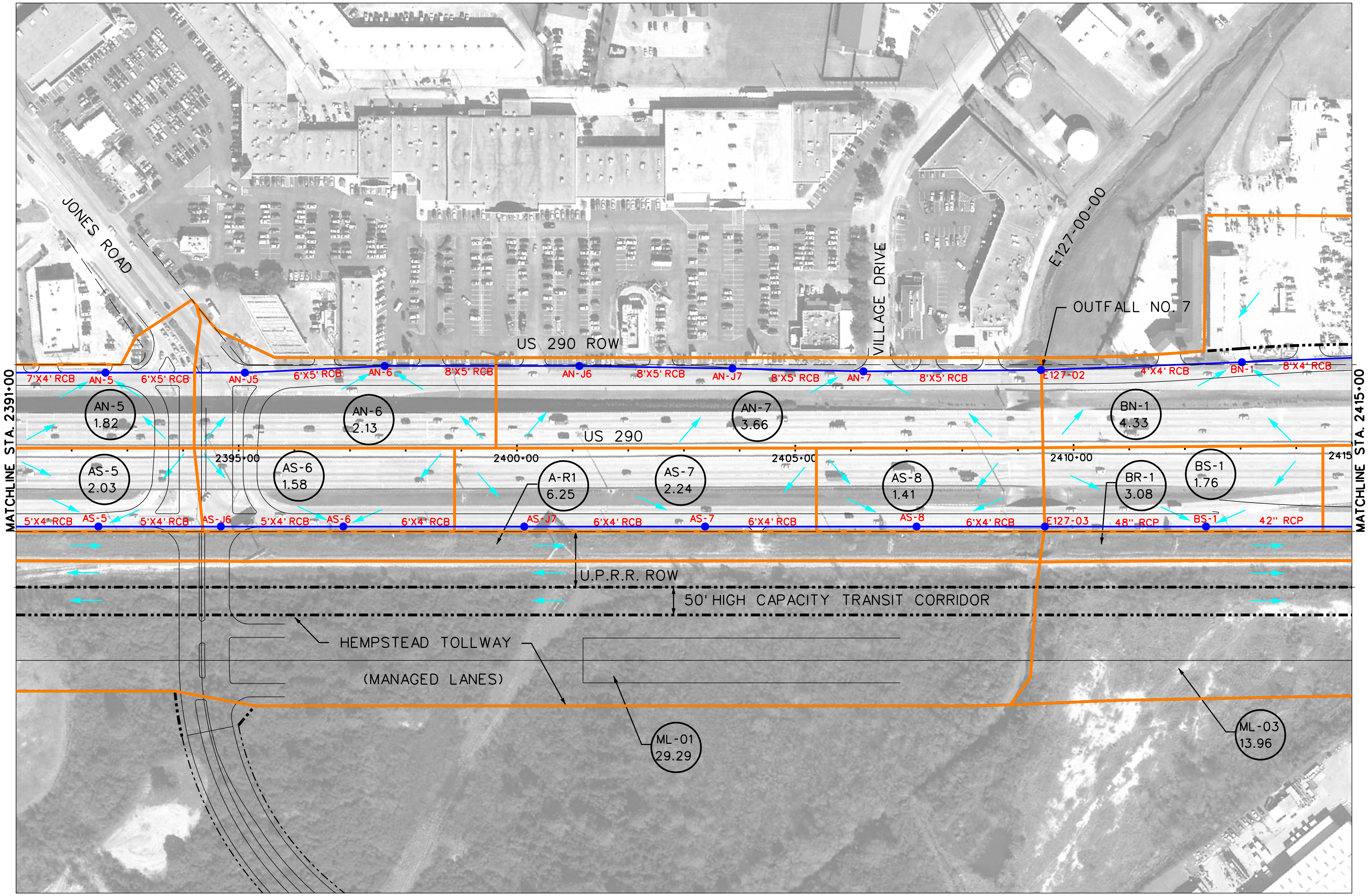

LEGEND

	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)

0 100 200 400
SCALE (H) 1" = 200'

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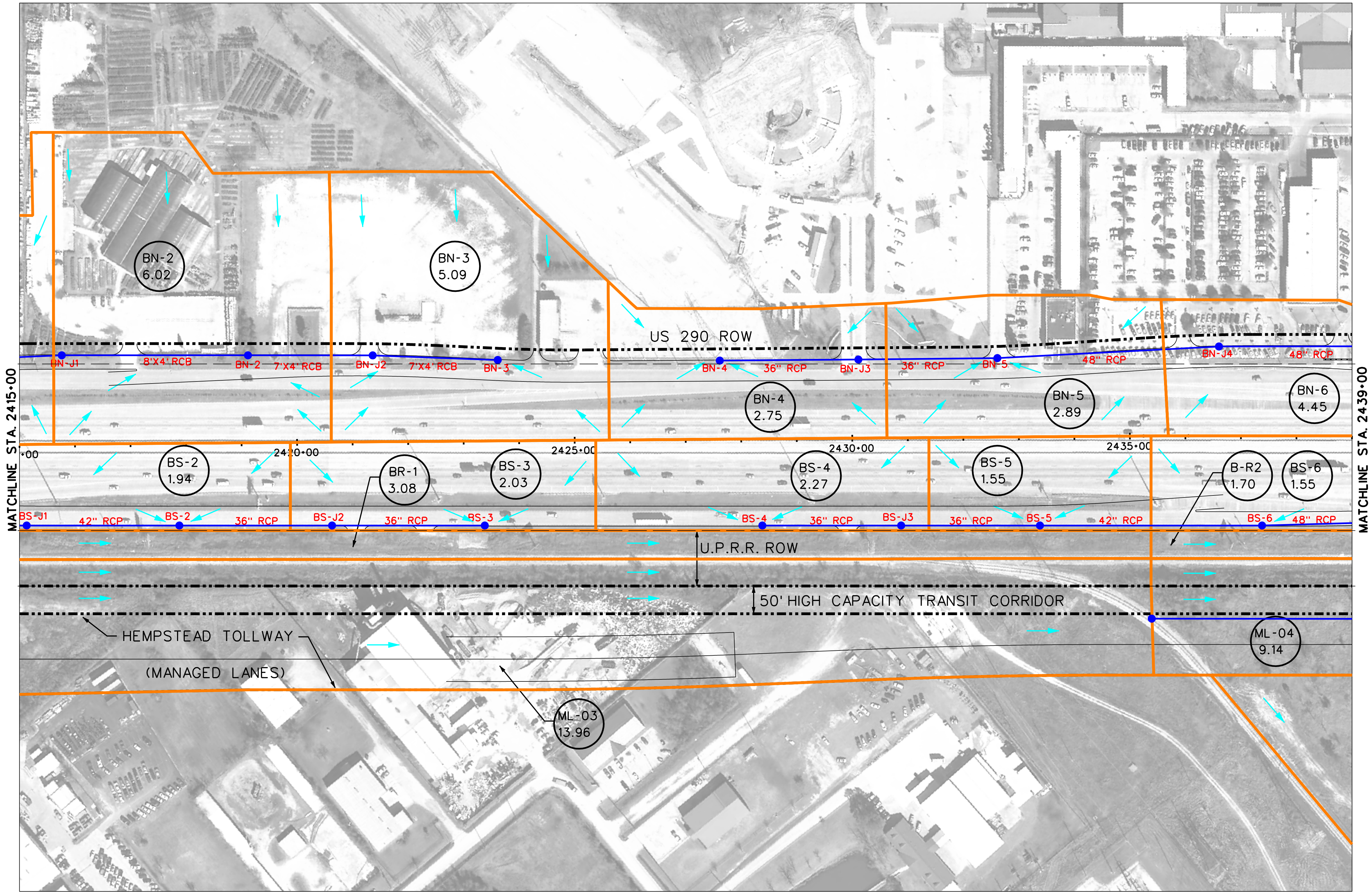

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LEGEND

	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)

0 100 200 400

SCALE (H) 1" = 200'

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MITIGATION DRAINAGE AREA MAP

SHEET 14 OF 36

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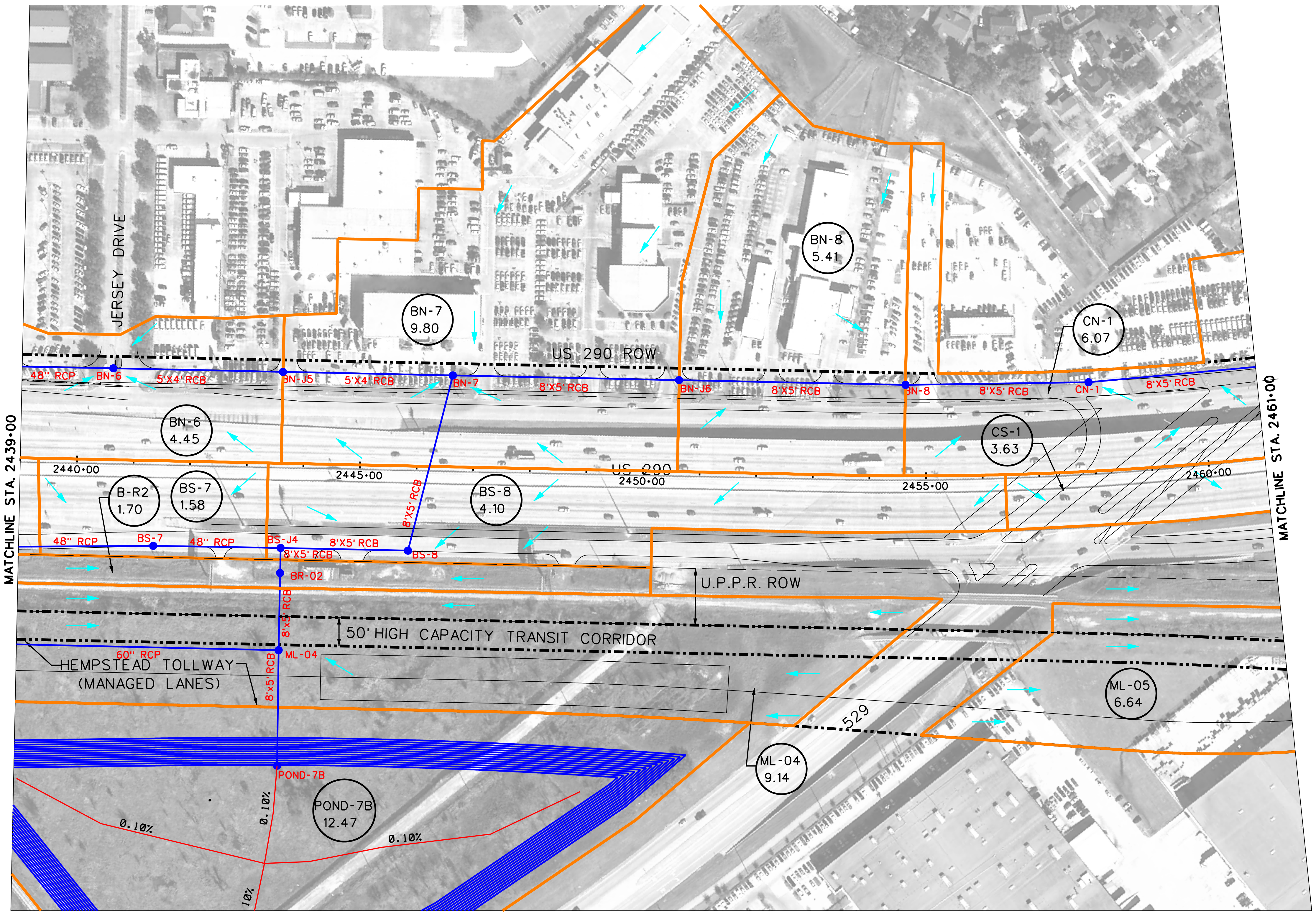

LEGEND

	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)

0 100 200 400

SCALE (H) 1" = 200'

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MITIGATION DRAINAGE AREA MAP

SHEET 15 OF 36

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EXHIBIT 7

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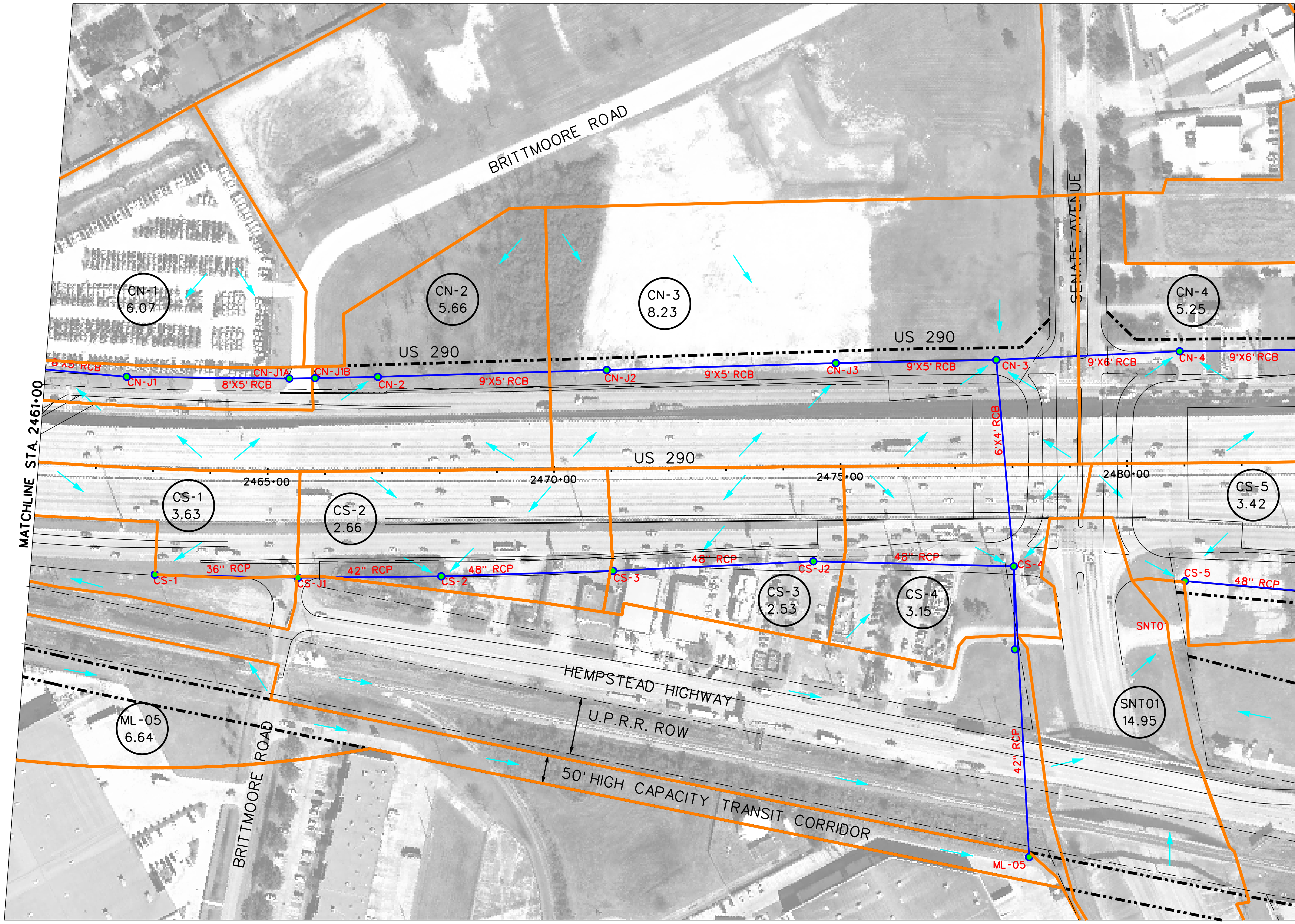

MATCHLINE A-A
SEE EXHIBIT 5, SHEET 17A

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)

0 100 200 400
SCALE (H) 1" = 200'

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SHEET 16 OF 36

2/27/2012 | EXHIBIT 7

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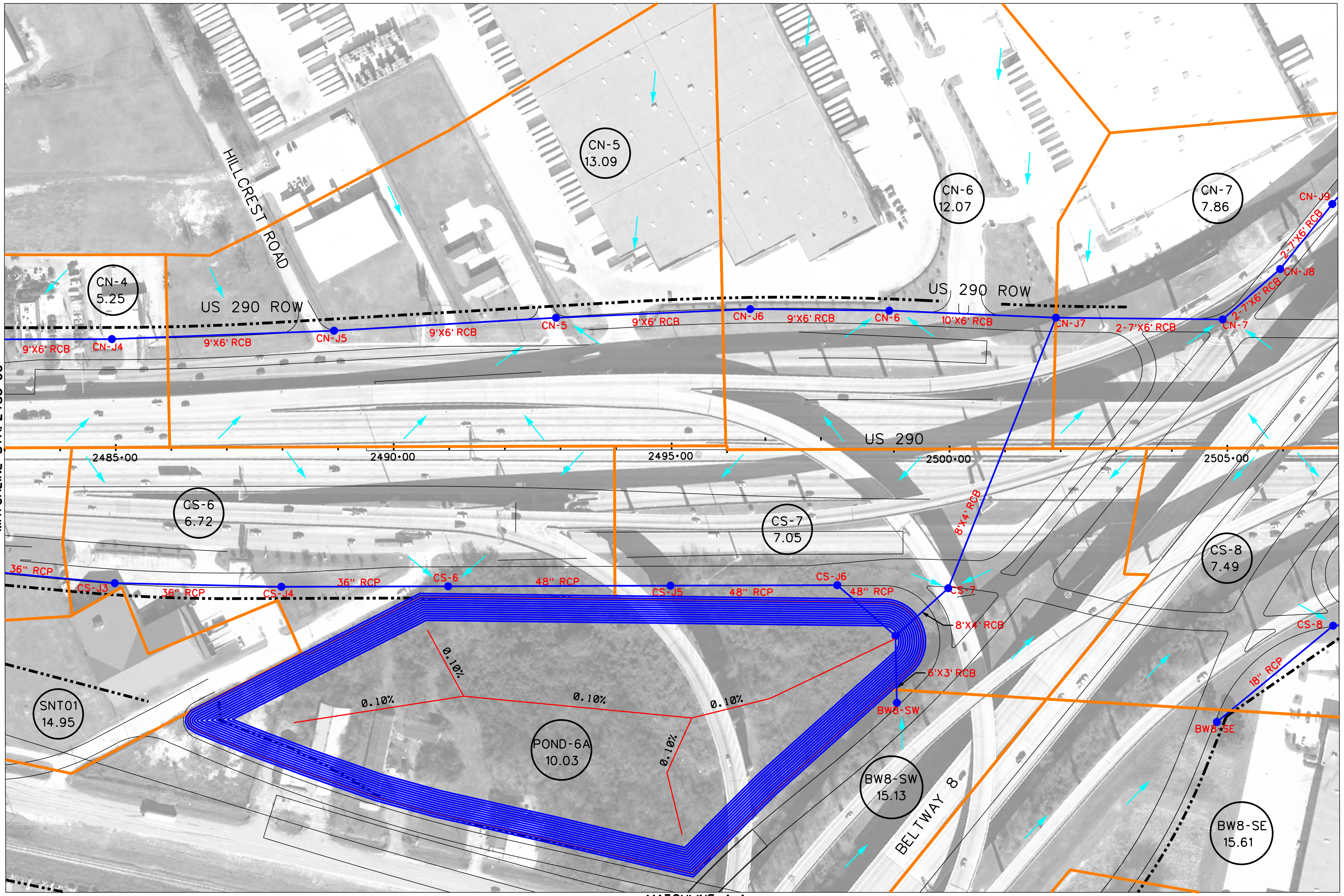

LEGEND

	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)

0 100 200 400

SCALE (H) 1" = 200'

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EXHIBIT 7

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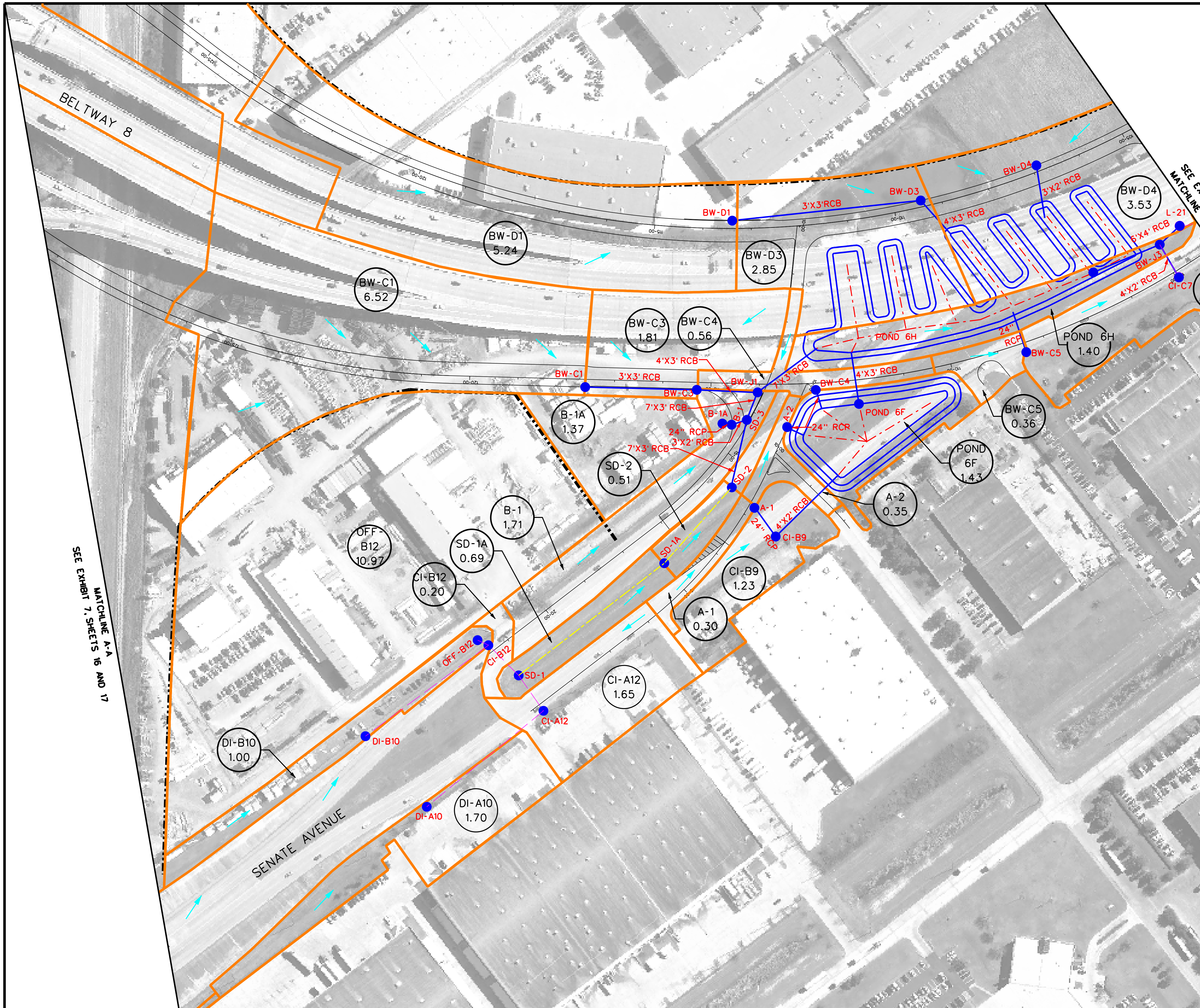

LEGEND

	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)

0 100 200 400

SCALE (H) 1" = 200'

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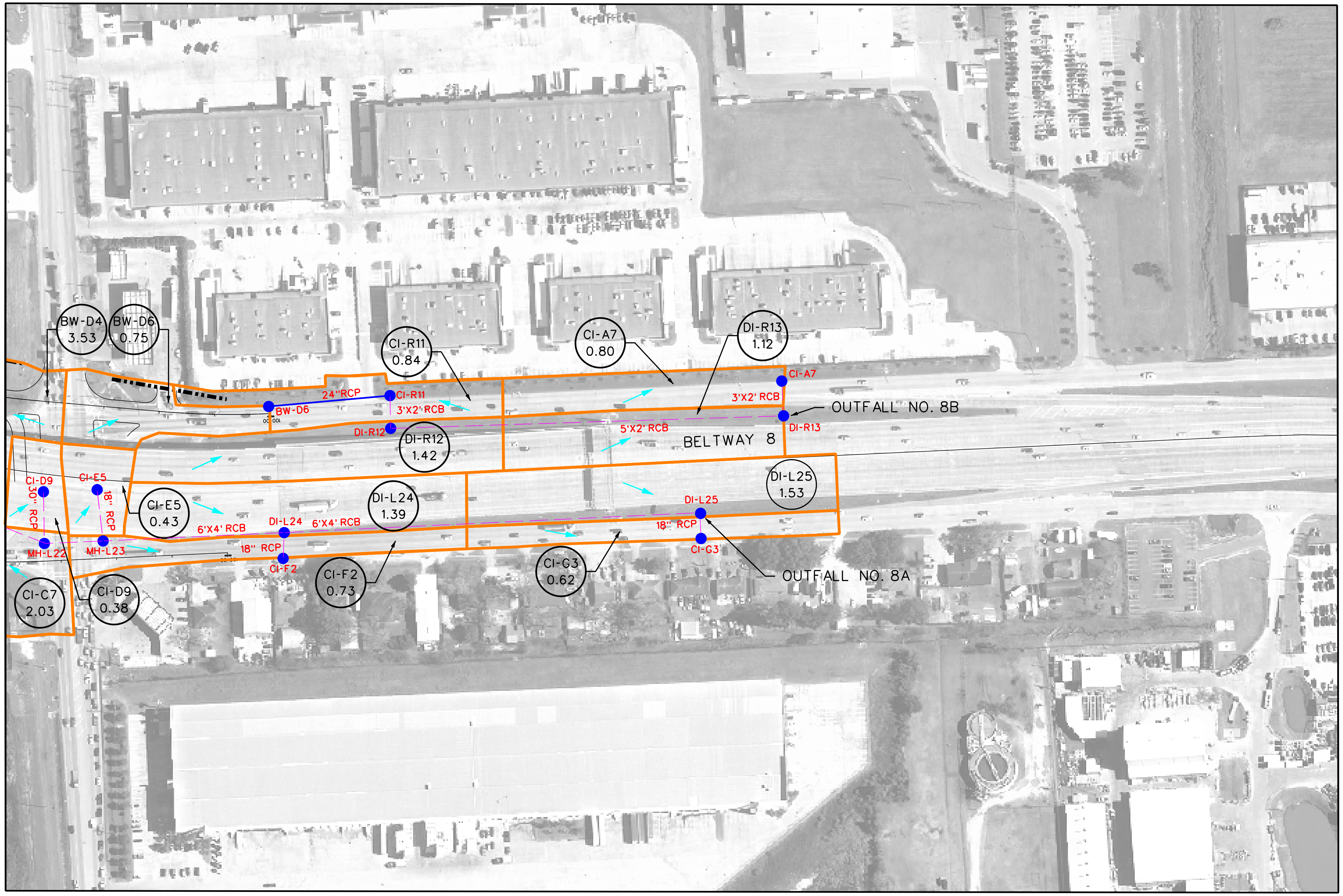
SEE EXHIBIT 7, SHEET 17A
MATCHLINE STA. 104+00.00



N

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)

0 100 200 400
SCALE (H) 1" = 200'

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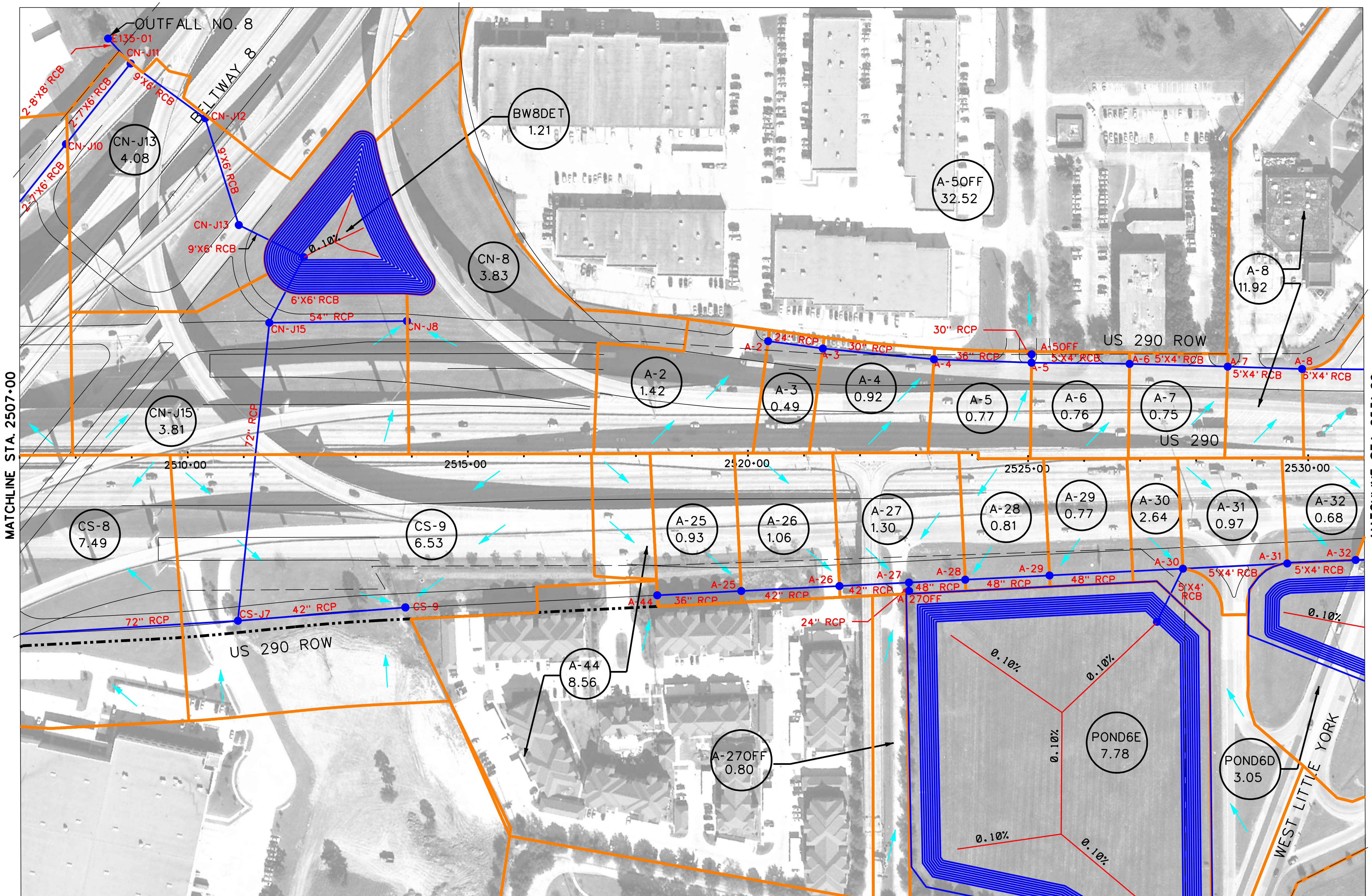

LEGEND

	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)

0 100 200 400

SCALE (H) 1" = 200'

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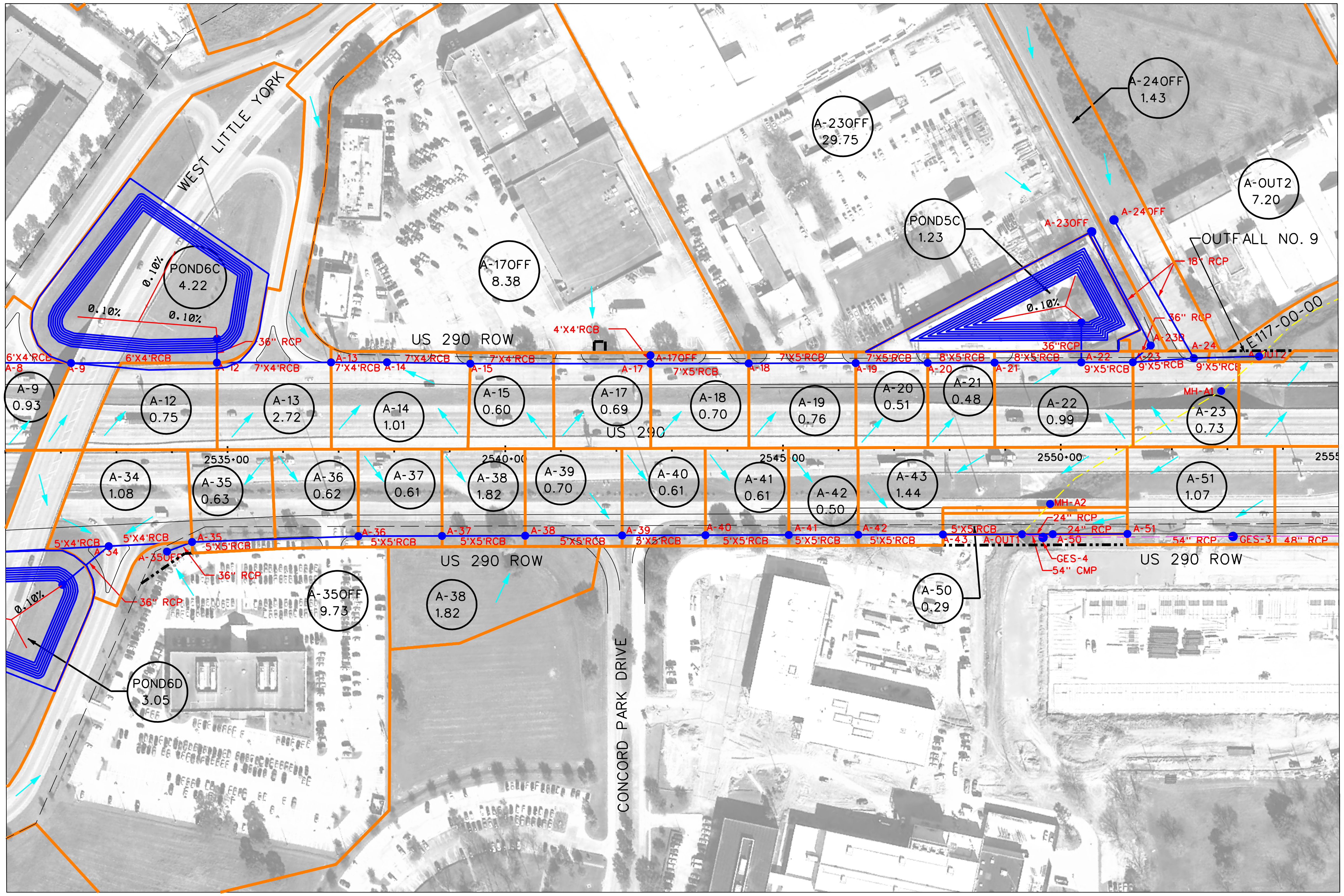

LEGEND

	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)

0 100 200 400

SCALE (H) 1" = 200'

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SHEET 19 OF 36

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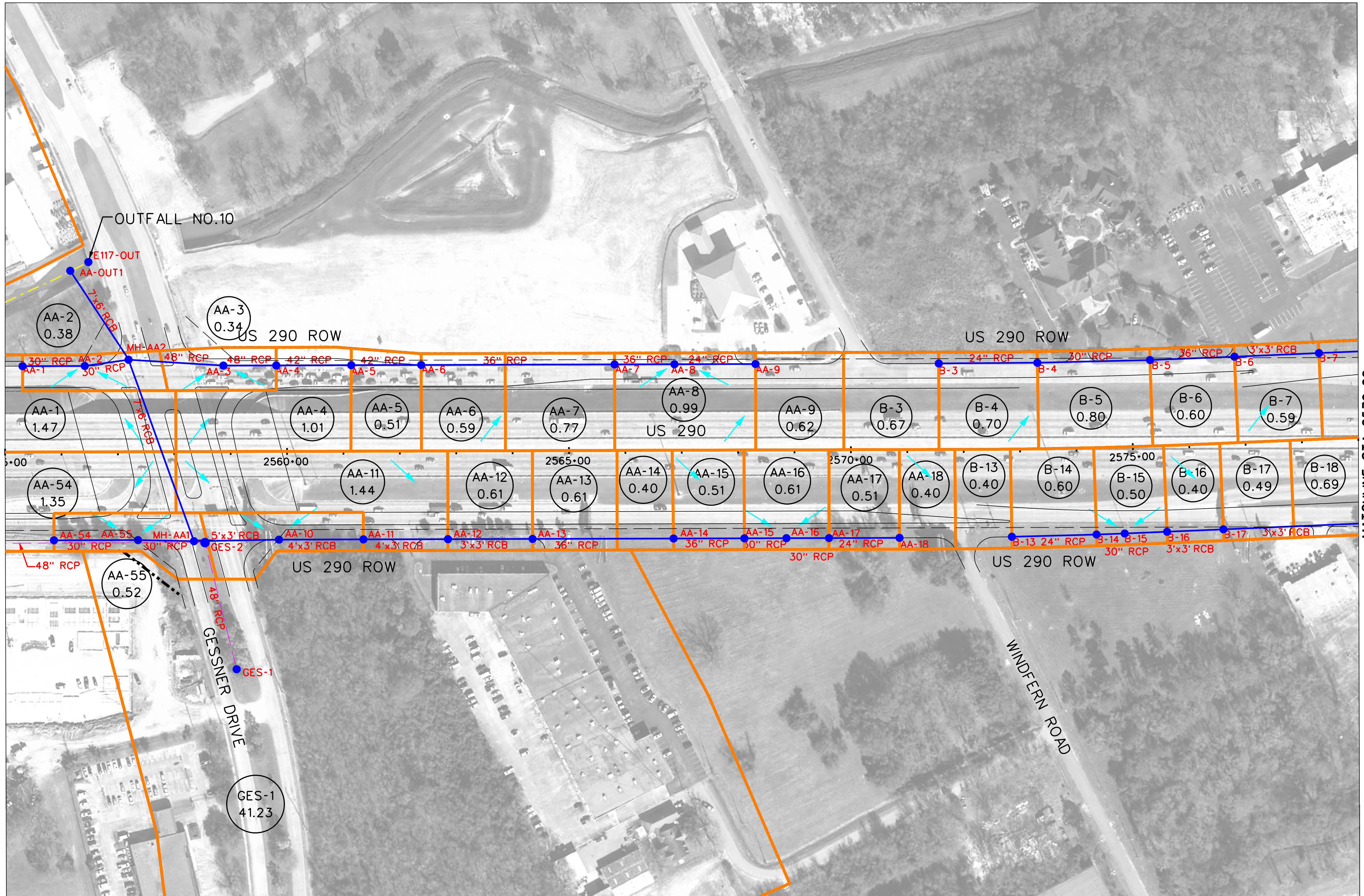

LEGEND

- 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)

0 100 200 400
SCALE (H) 1" = 200'

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MITIGATION DRAINAGE AREA MAP

SHEET 20 OF 36

8/27/2009 | EXHIBIT 7

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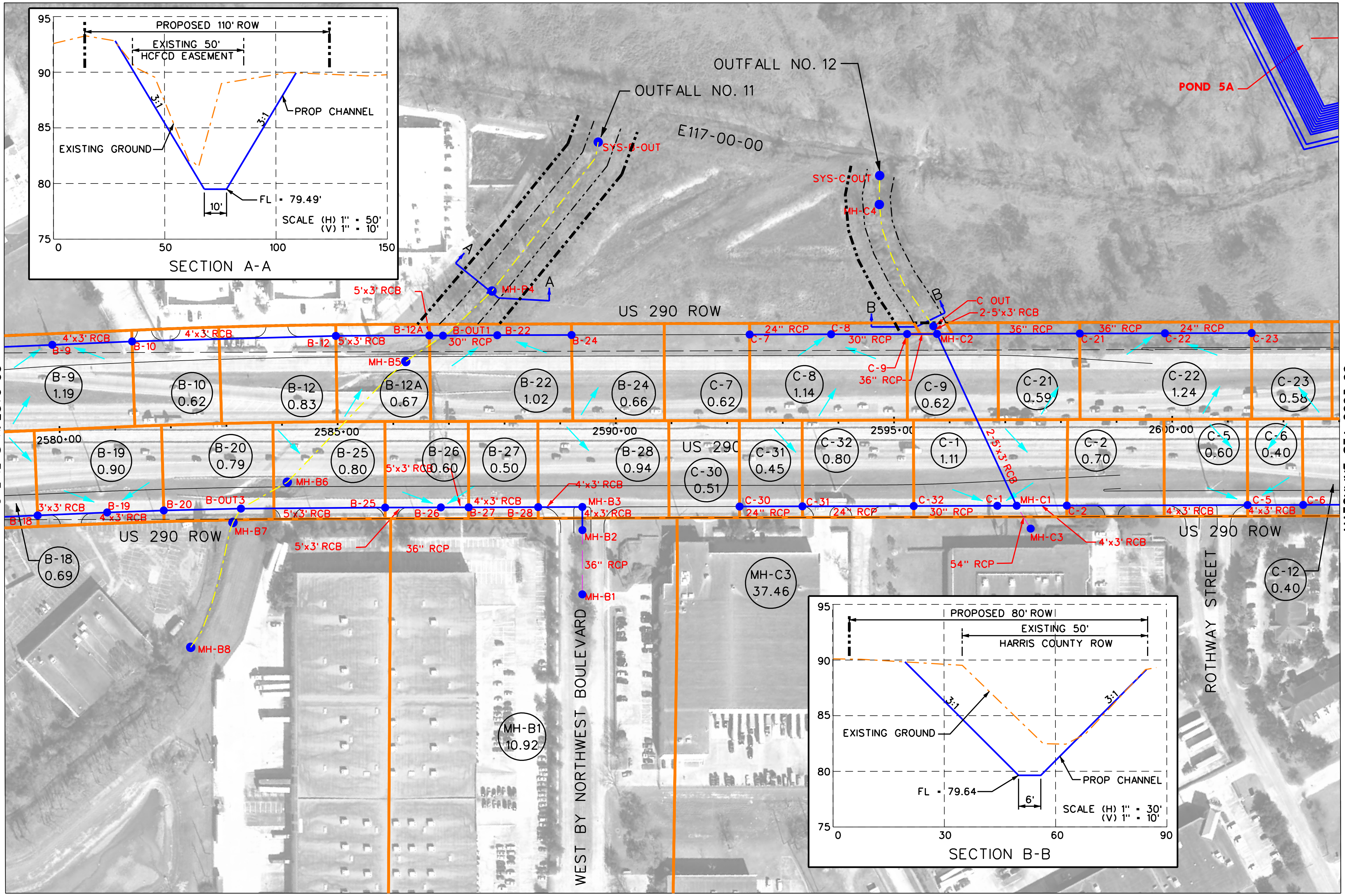

LEGEND

	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)

0 100 200 400

SCALE (H) 1" = 200'

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MITIGATION DRAINAGE AREA MAP

SHEET 21 OF 36

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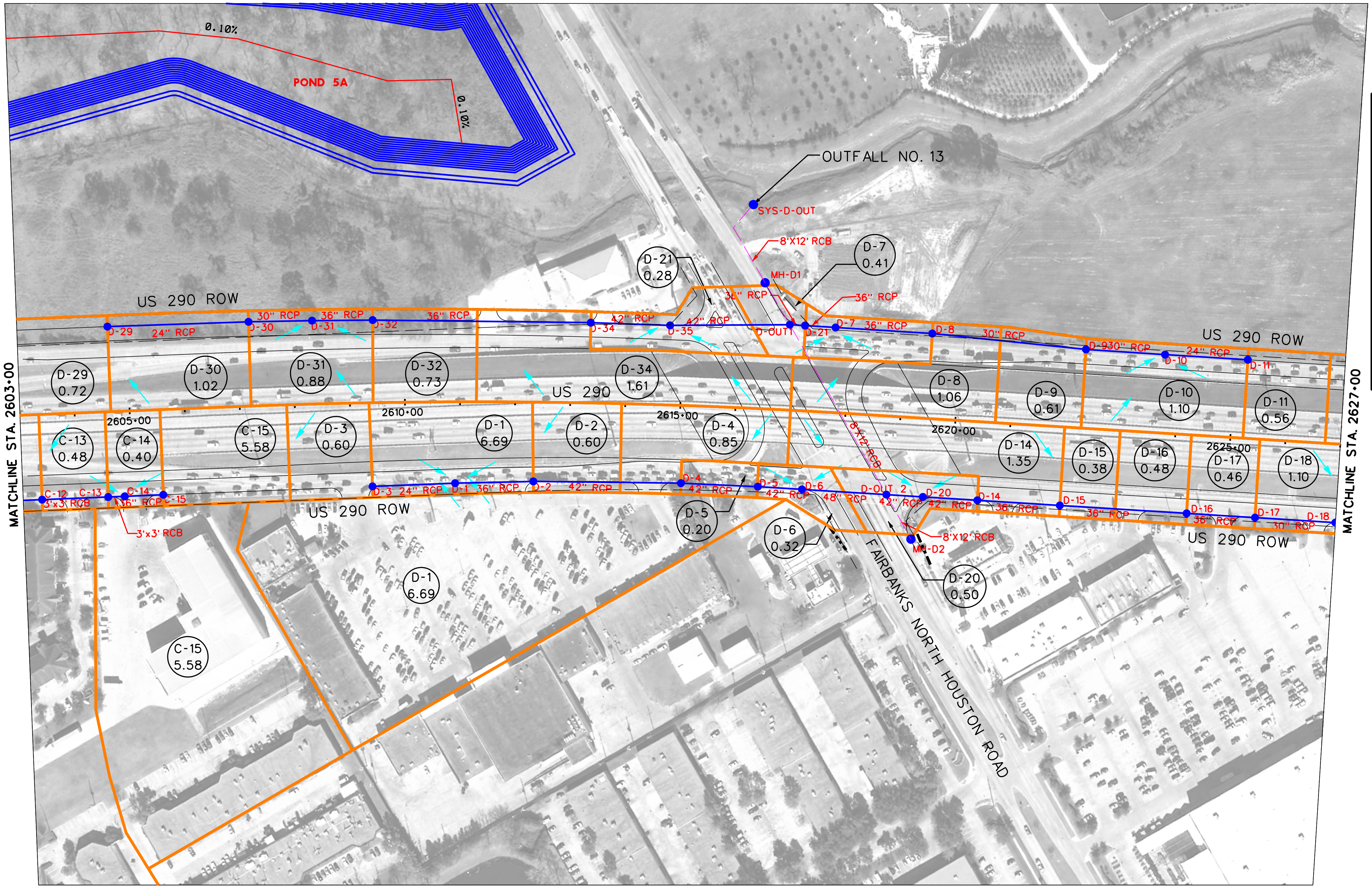

LEGEND

	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)

0 100 200 400

SCALE (H) 1" = 200'

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MITIGATION DRAINAGE AREA MAP

SHEET 22 OF 36

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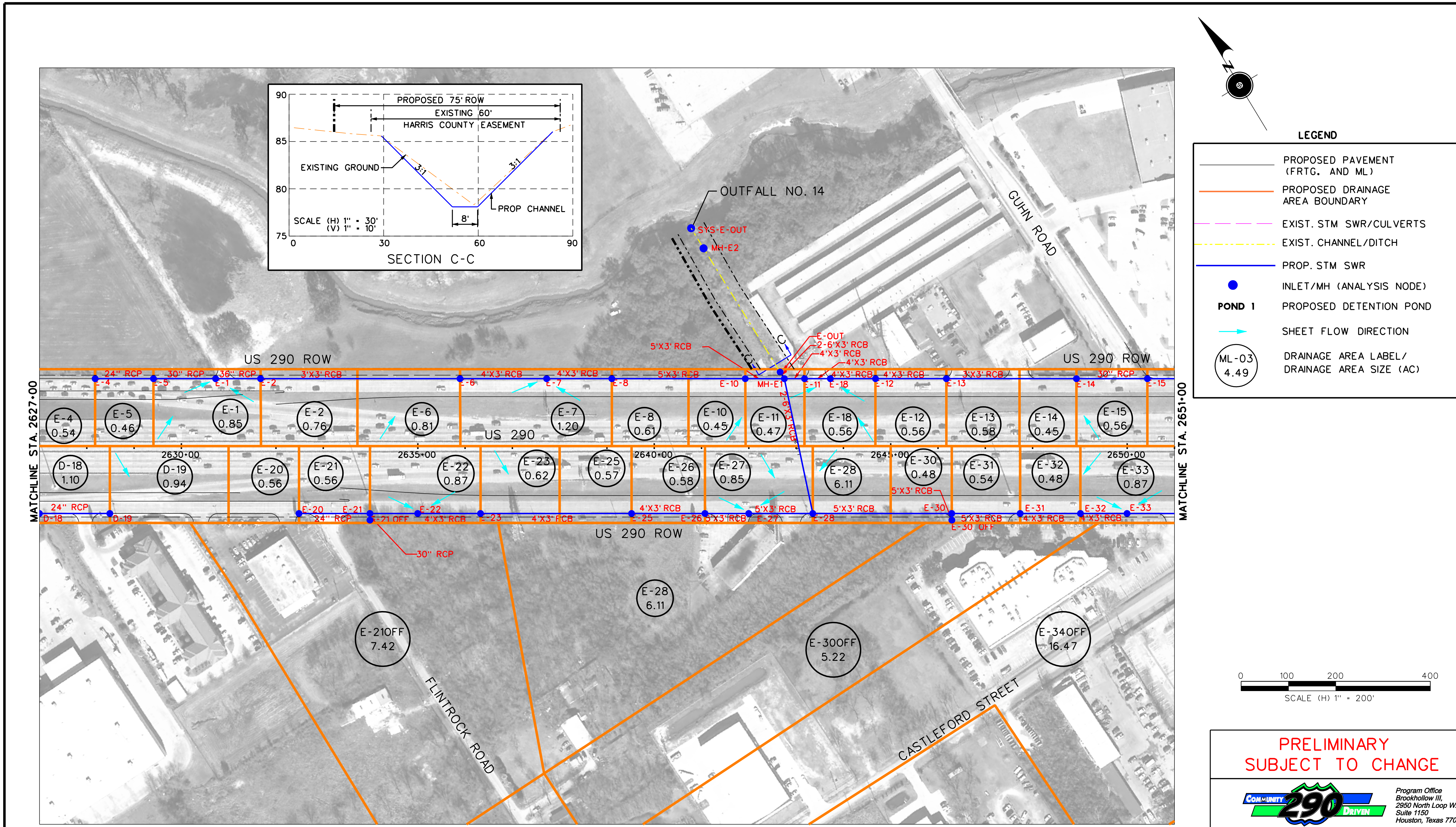

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MITIGATION DRAINAGE AREA MAP

SHEET 23 OF 36

8/27/2009

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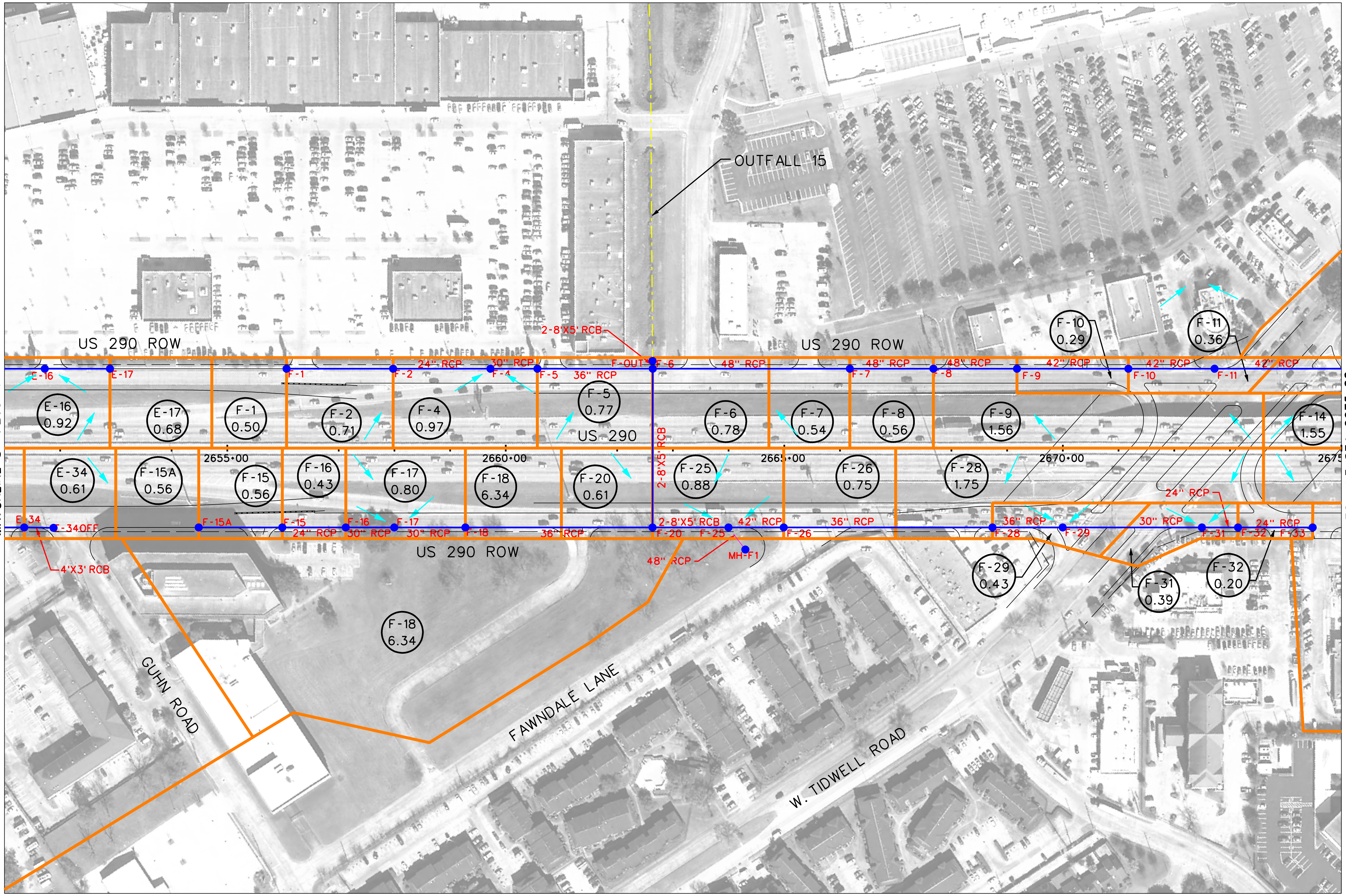

LEGEND

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)

0 100 200 400
SCALE (H) 1" = 200'

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MITIGATION DRAINAGE AREA MAP

SHEET 24 OF 36

8/27/2009

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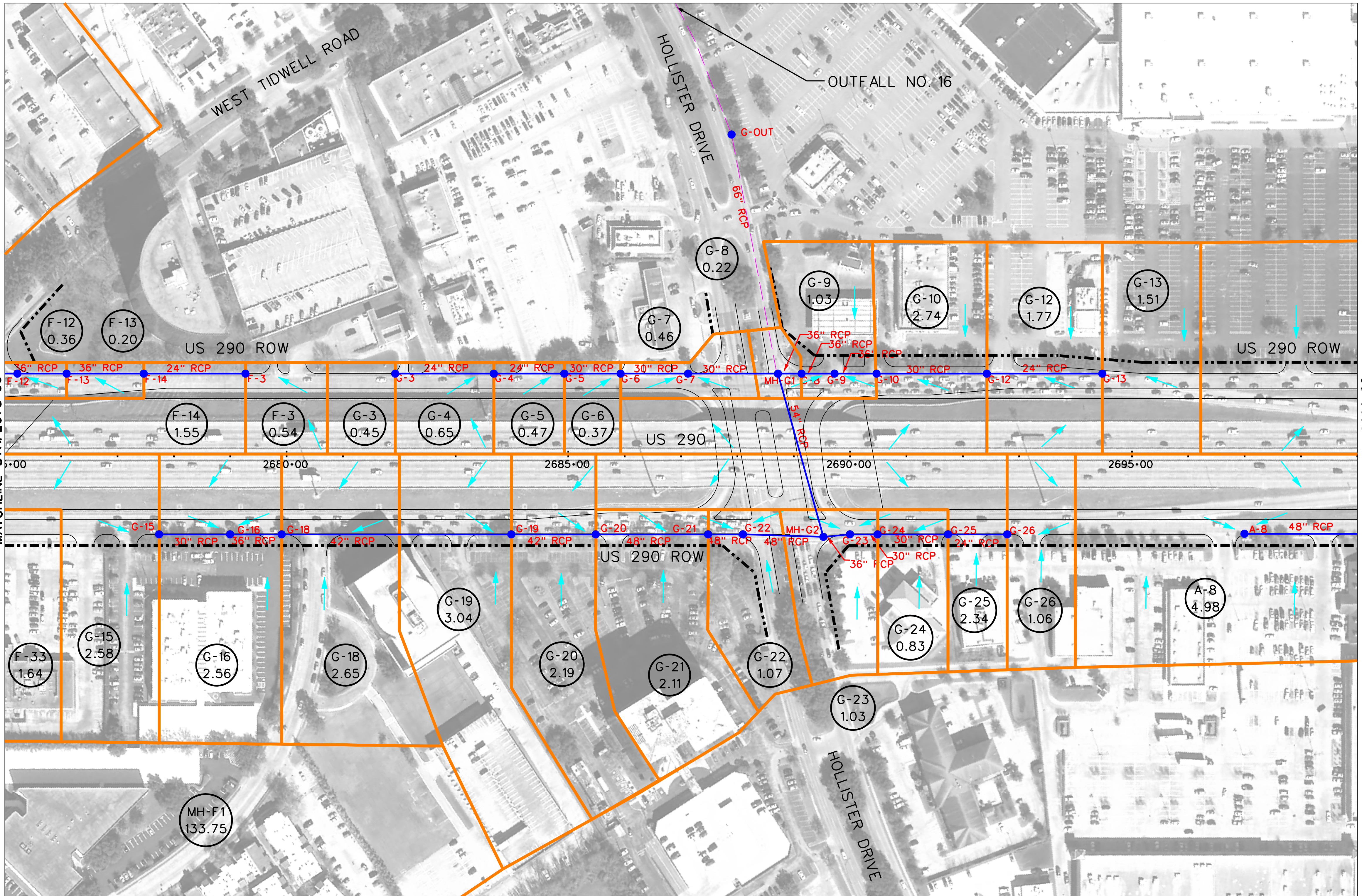

LEGEND

	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)

0 100 200 400

SCALE (H) 1" = 200'

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MITIGATION DRAINAGE AREA MAP

SHEET 25 OF 36

9/8/2009

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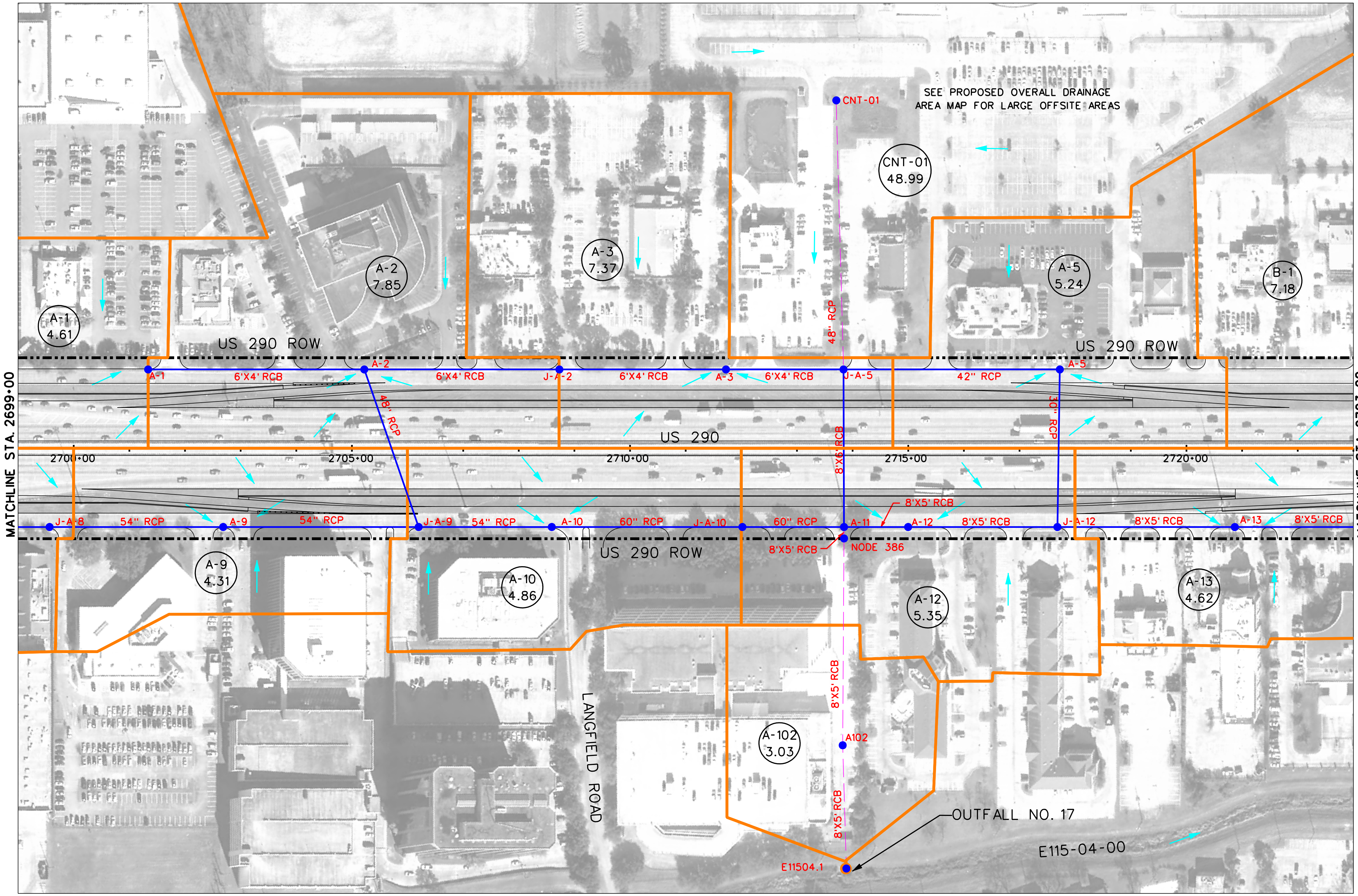

N

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)

0 100 200 400
SCALE (H) 1" = 200'

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MITIGATION DRAINAGE AREA MAP

SHEET 26 OF 36

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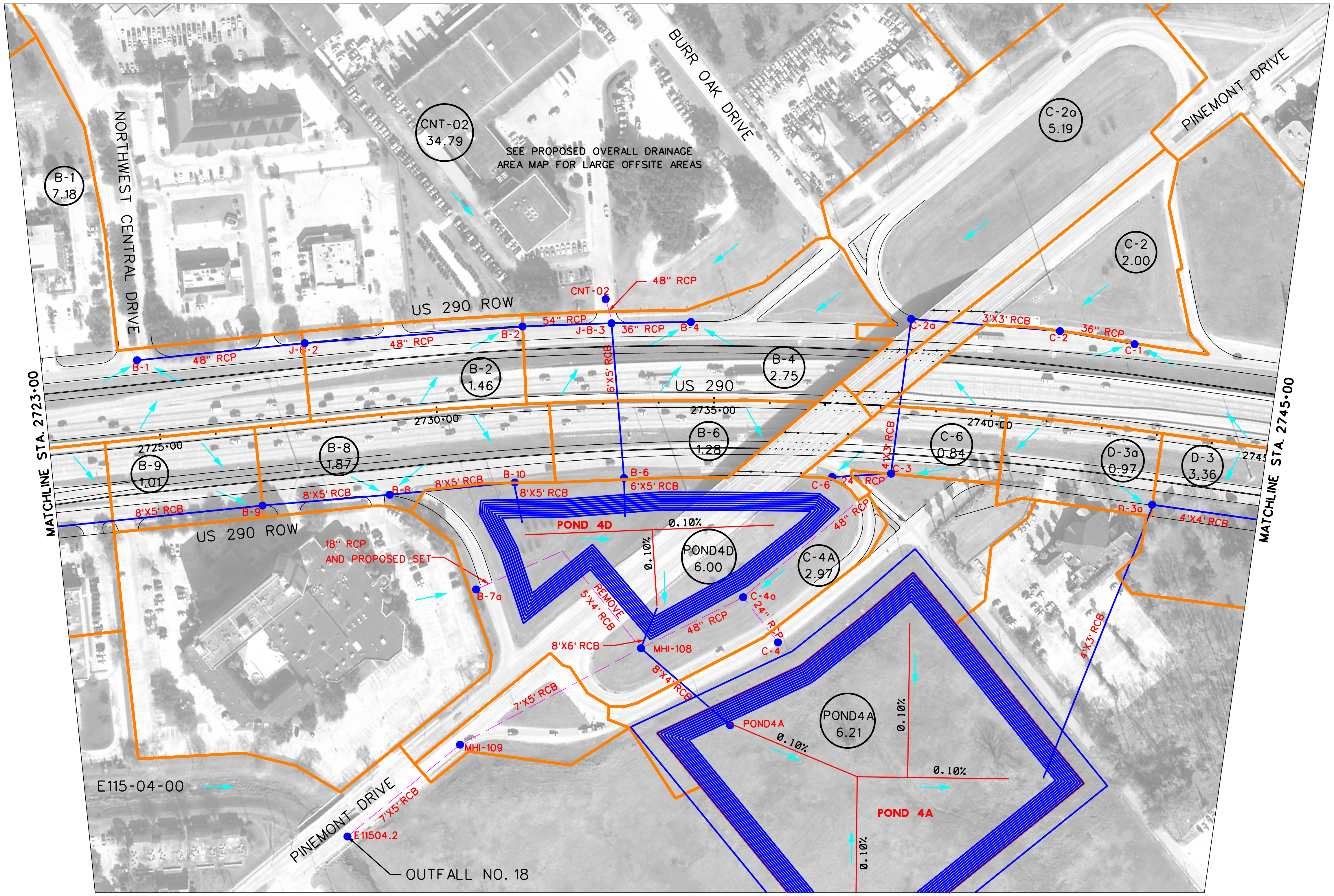

LEGEND

	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)

0 100 200 400
SCALE (H) 1" = 200'

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MITIGATION DRAINAGE AREA MAP

SHEET 27 OF 36

11/5/2009 EXHIBIT 7

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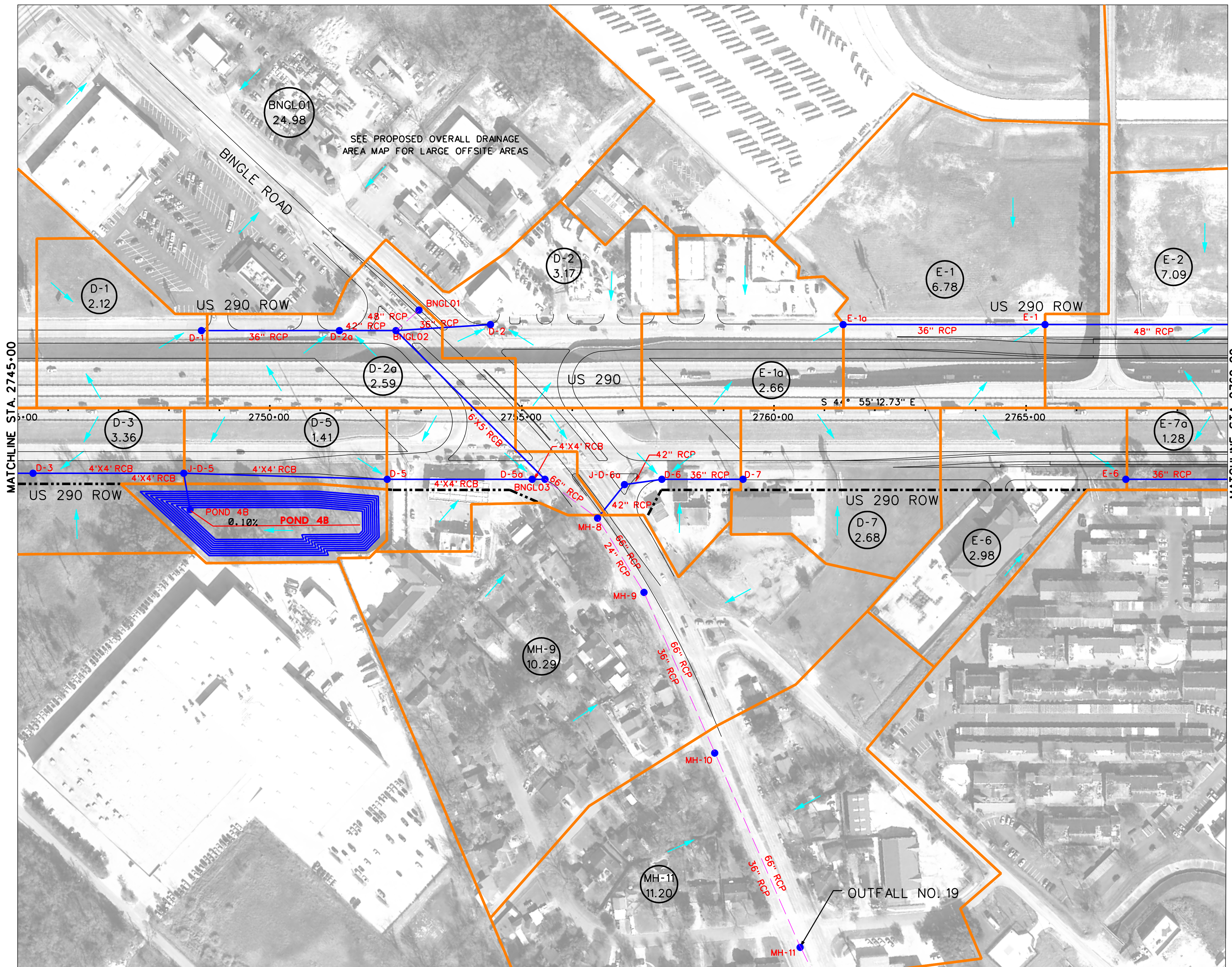

N

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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SCALE (H) 1" = 200'

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MITIGATION DRAINAGE AREA MAP

SHEET 28 OF 36

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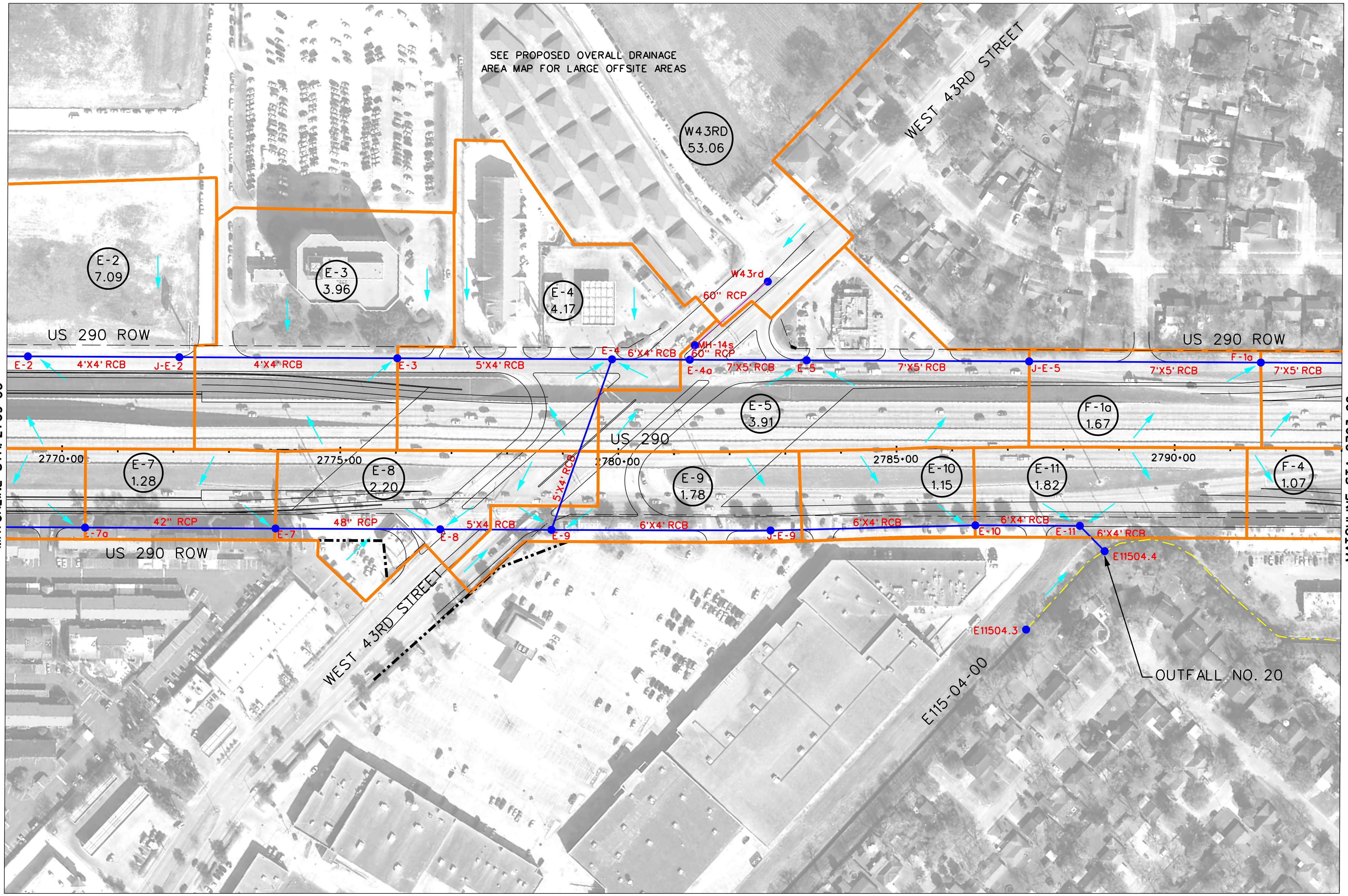

LEGEND

	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)

0 100 200 400

SCALE (H) 1" = 200'

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SHEET 29 OF 36

8/27/2009	EXHIBIT 7

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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)

0 100 200 400
SCALE (H) 1" = 200'

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MITIGATION DRAINAGE AREA MAP

SHEET 30 OF 36

8/27/2009

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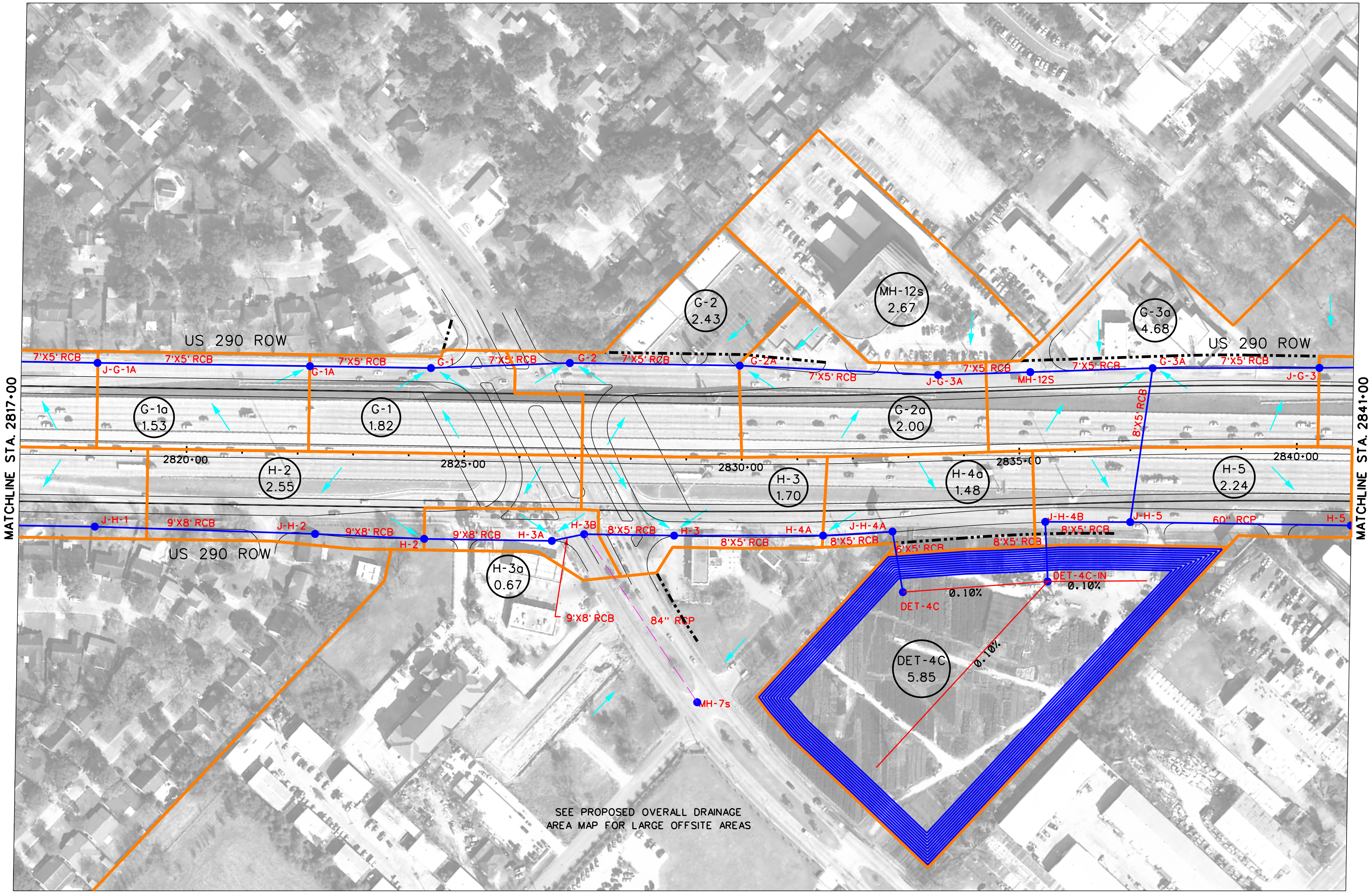

LEGEND

	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)

0 100 200 400
SCALE (H) 1" = 200'

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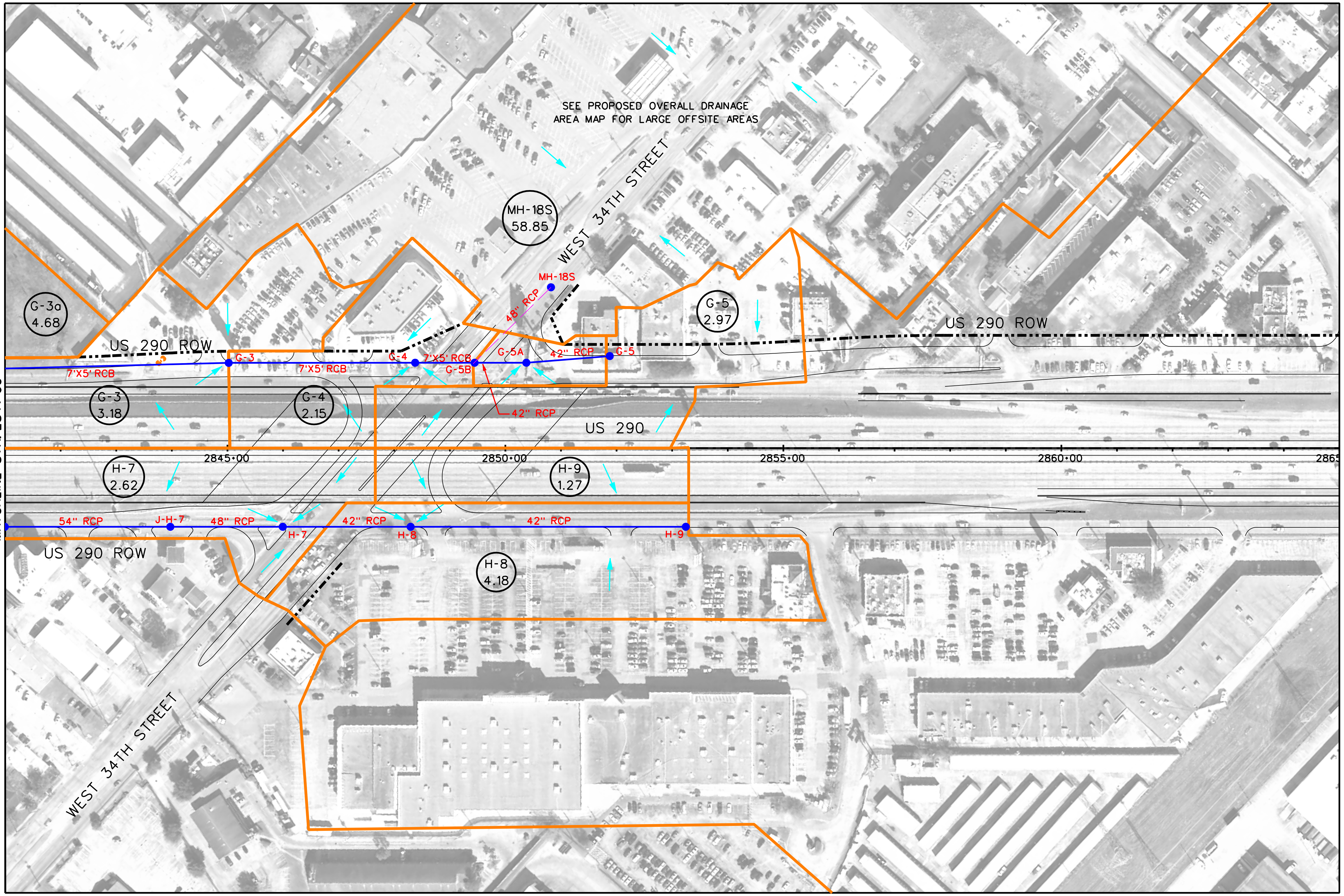
MITIGATION DRAINAGE AREA MAP

SHEET 31 OF 36

8/27/2009	EXHIBIT 7

...\phaseII\dra\Proposed_31.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 4.49	DRAINAGE AREA LABEL/ DRAINAGE AREA SIZE (AC)

0 100 200 400

SCALE (H) 1" = 200'

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MITIGATION DRAINAGE AREA MAP

SHEET 32 OF 36

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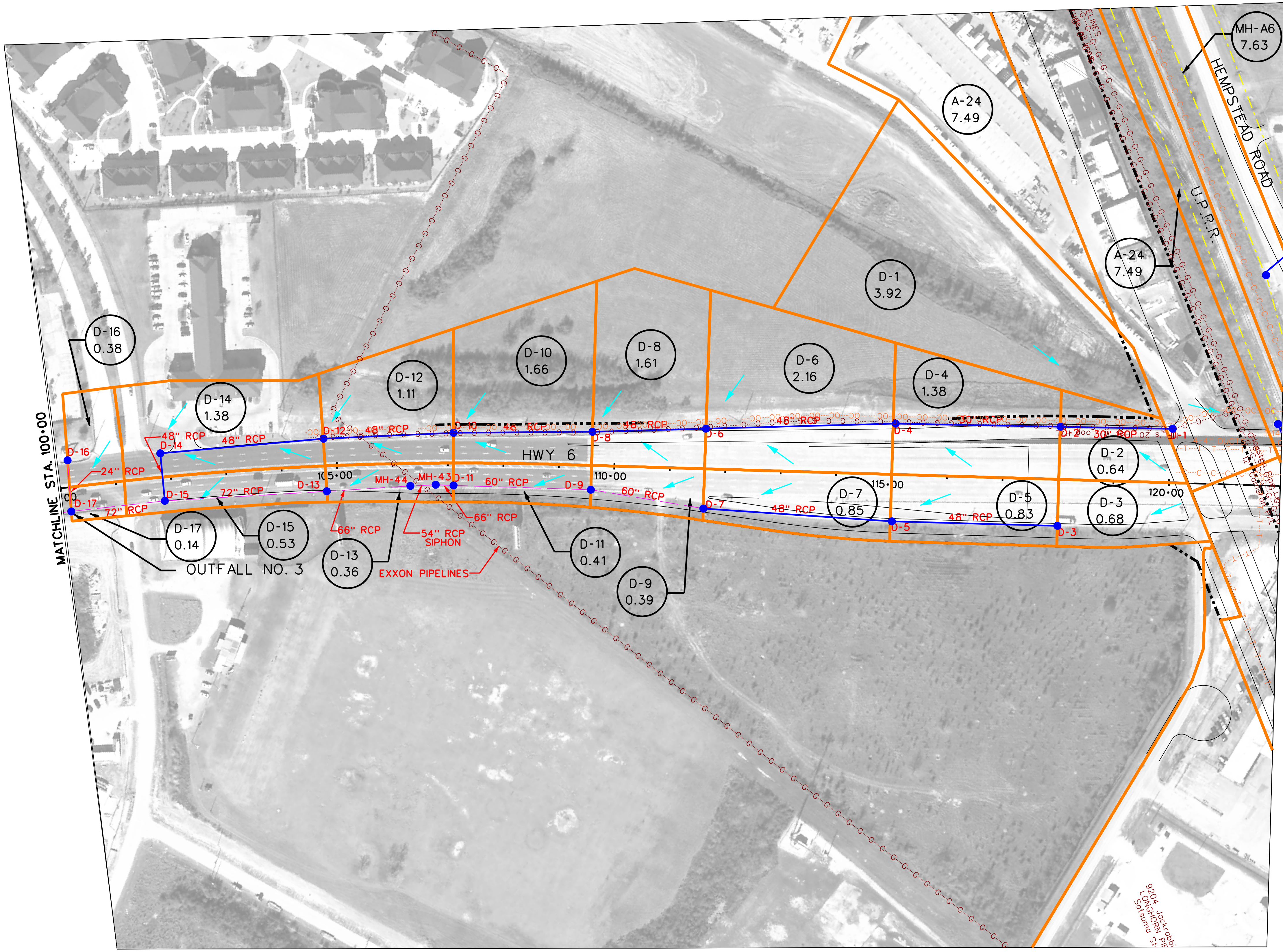
...\phaseII\dra\Proposed_32.dgn



N

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)

0 100 200 400

SCALE (H) 1" = 200'

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MITIGATION DRAINAGE AREA MAP

SHEET 33 OF 36

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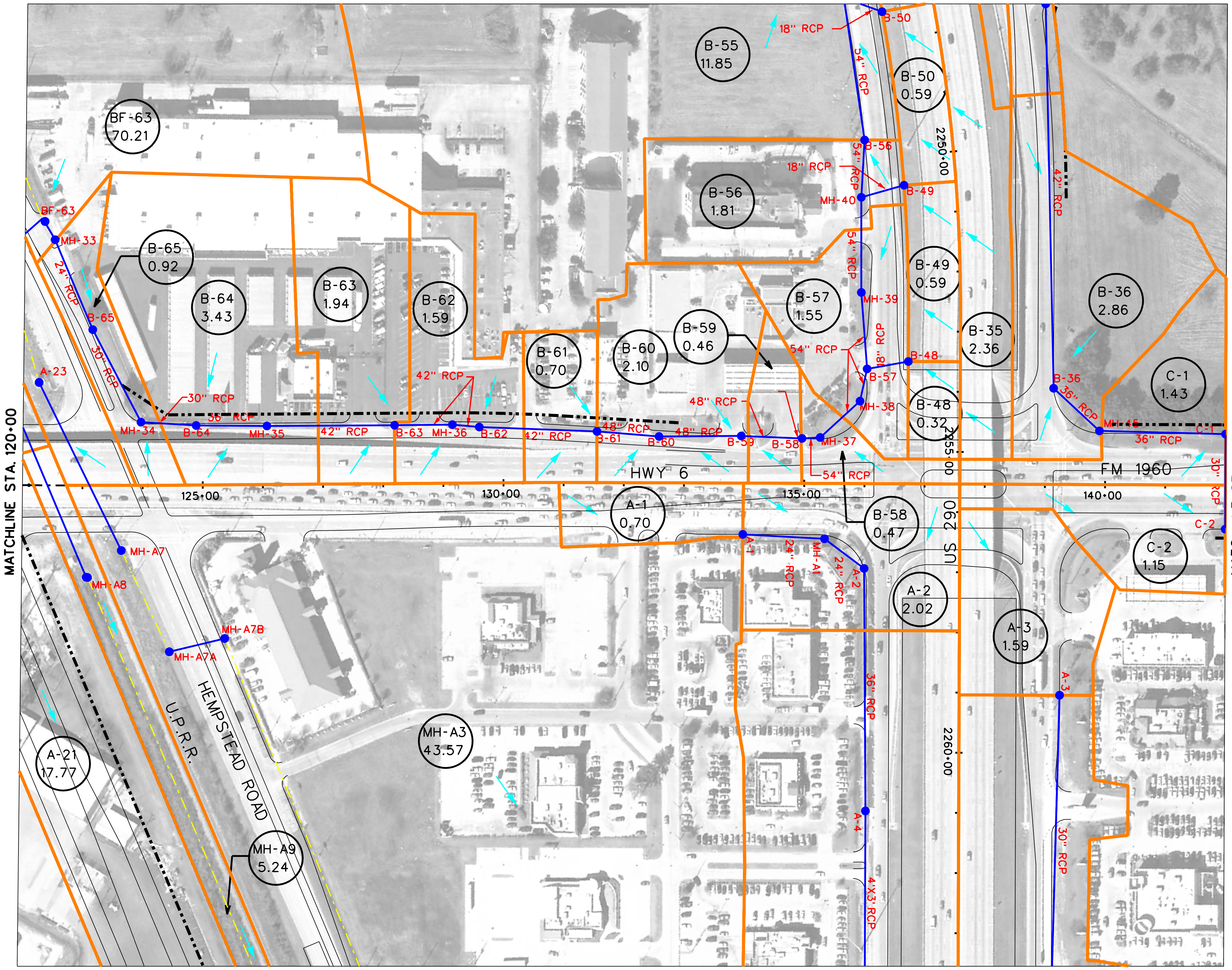
...\phaseII\dra\Proposed_33.dgn



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 4.49	DRAINAGE AREA LABEL/ DRAINAGE AREA SIZE (AC)

0 100 200 400

SCALE (H) 1" = 200'

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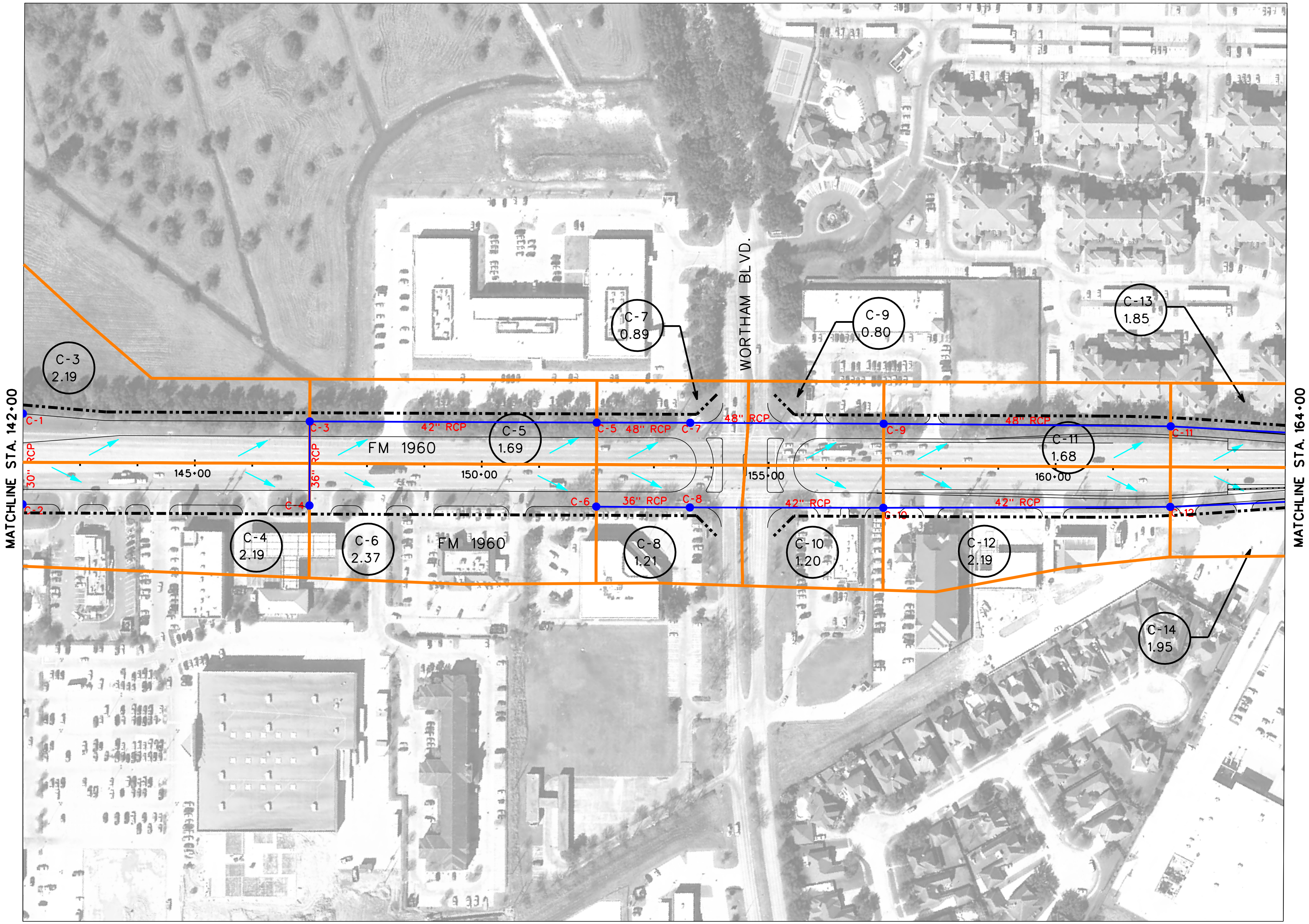
MITIGATION DRAINAGE AREA MAP

SHEET 34 OF 36

8/27/2009	EXHIBIT 7

...\phaseII\dra\Proposed_34.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 4.49	DRAINAGE AREA LABEL/ DRAINAGE AREA SIZE (AC)

0 100 200 400
SCALE (H) 1" = 200'

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MITIGATION DRAINAGE AREA MAP

SHEET 35 OF 36

8/27/2009

EXHIBIT 7

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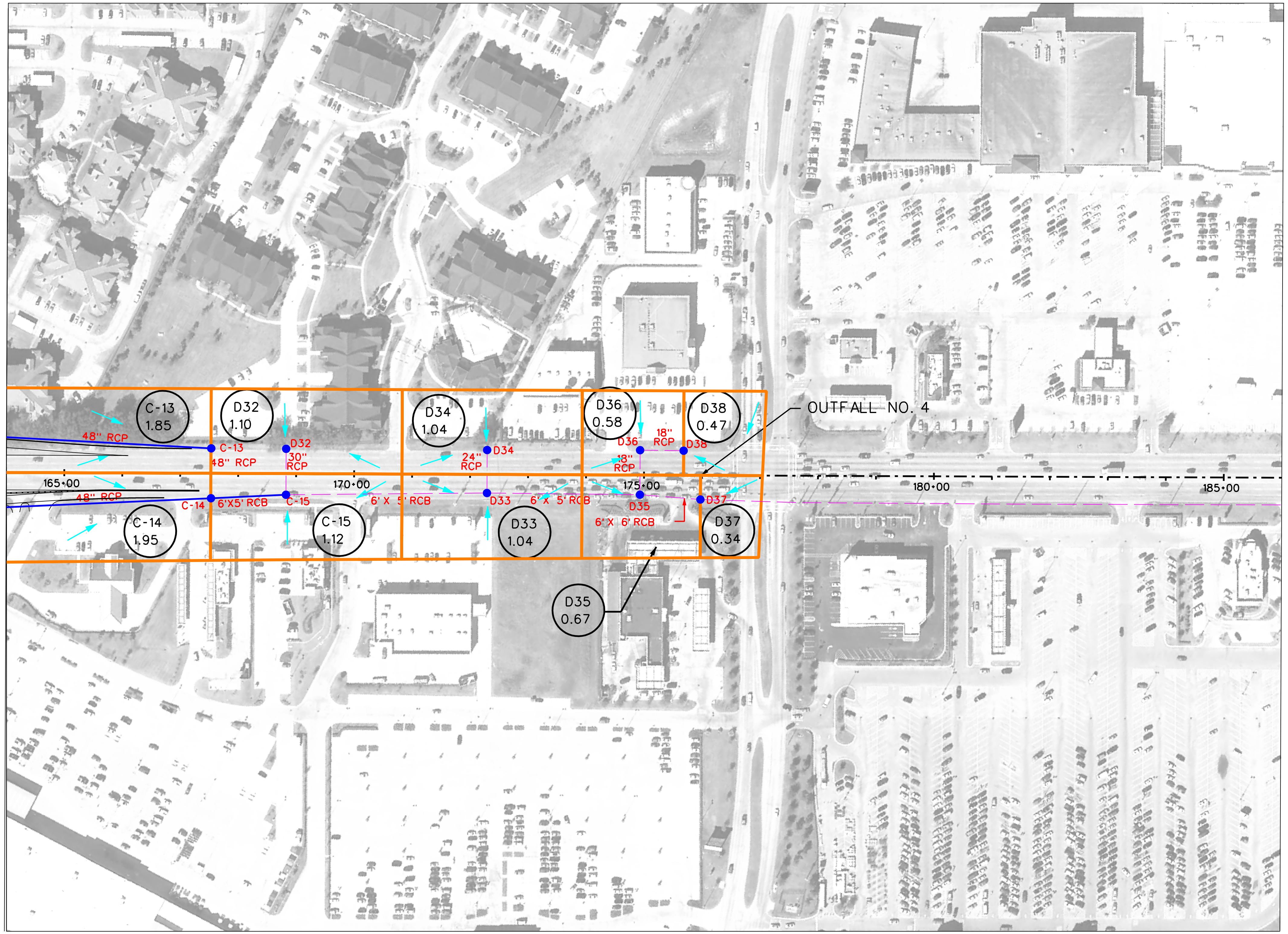

LEGEND

	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)

0 100 200 400
SCALE (H) 1" = 200'

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MITIGATION DRAINAGE AREA MAP

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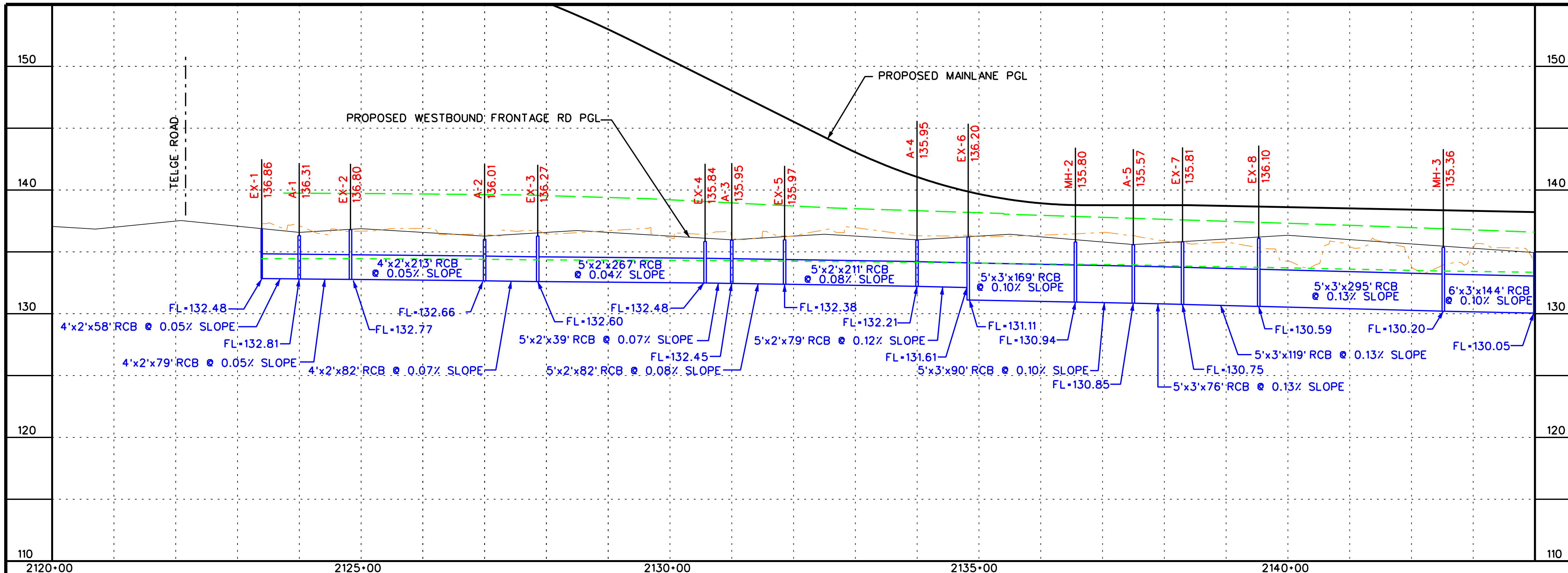
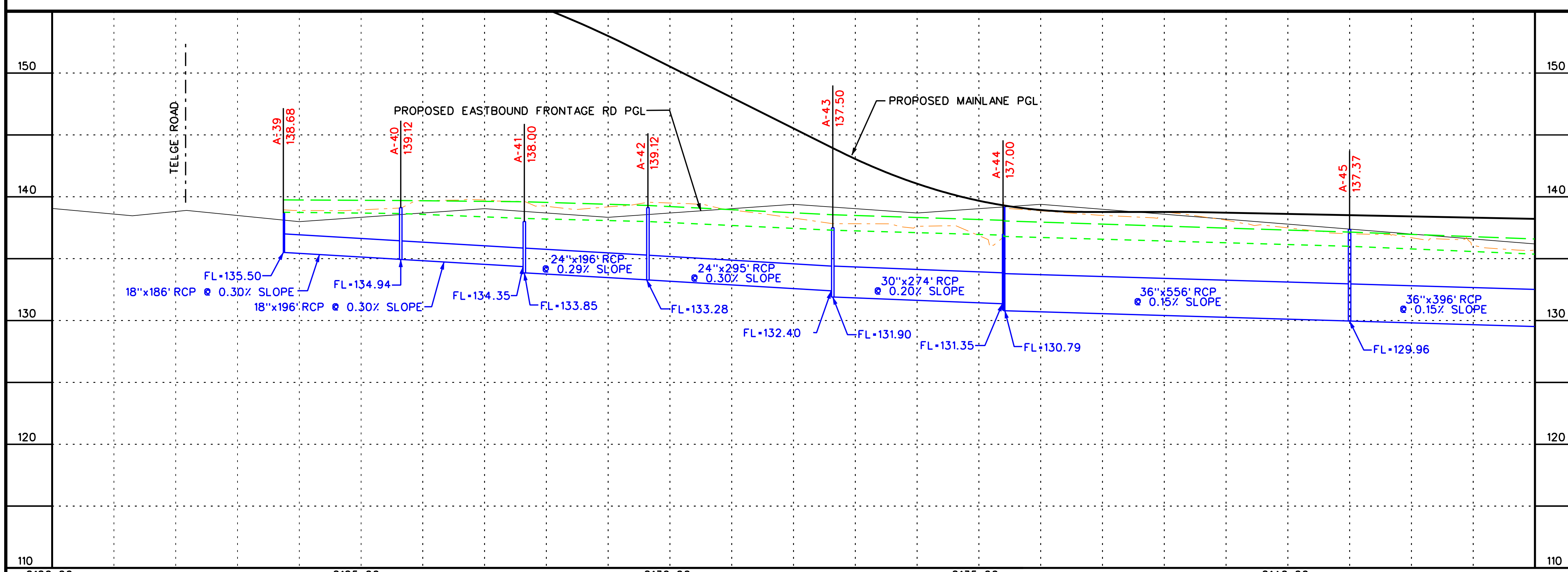
...\phaseI\dra\Proposed_36.dgn



LEGEND

- PROPOSED MAINLANES
- PROPOSED FRONTAGE ROAD
- NATURAL GROUND
- 10-YR HGL
- 100-YR HGL

NOTE: THE HGL PROFILES DRAWN REPRESENT THE CONTROLLING WATER SURFACE PROFILES BETWEEN THE FEMA EFFECTIVE MODEL (WHEN APPLICABLE) AND THE SWMM ANALYSIS.



0 100 200 400

SCALE (H) 1" = 200'
(V) 1" = 10'

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SHEET 1 OF 36

11/5/2009

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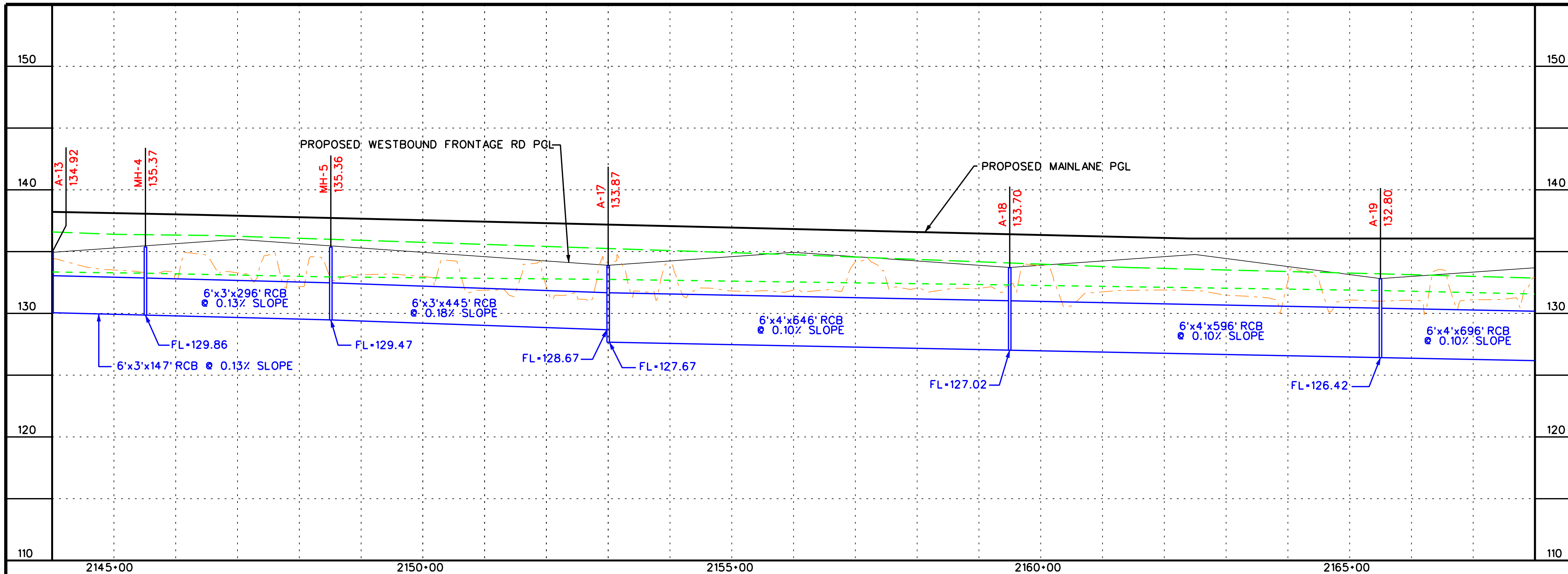
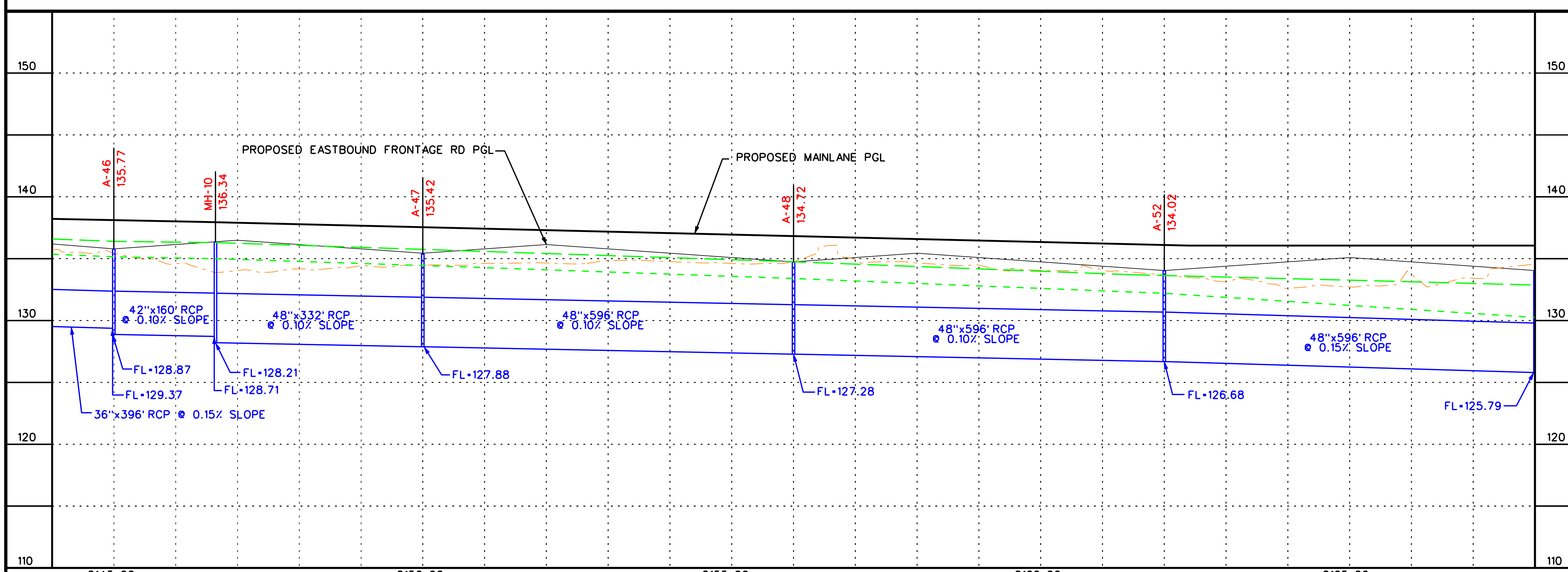
...\PhaseII\DRA\Profile01.dgn



LEGEND

PROPOSED MAINLANES
PROPOSED FRONTAGE ROAD
NATURAL GROUND
10-YR HGL
100-YR HGL

NOTE: THE HGL PROFILES DRAWN REPRESENT THE CONTROLLING WATER SURFACE PROFILES BETWEEN THE FEMA EFFECTIVE MODEL (WHEN APPLICABLE) AND THE SWMM ANALYSIS.



0 100 200 400
SCALE (H) 1" = 200'
(V) 1" = 10'

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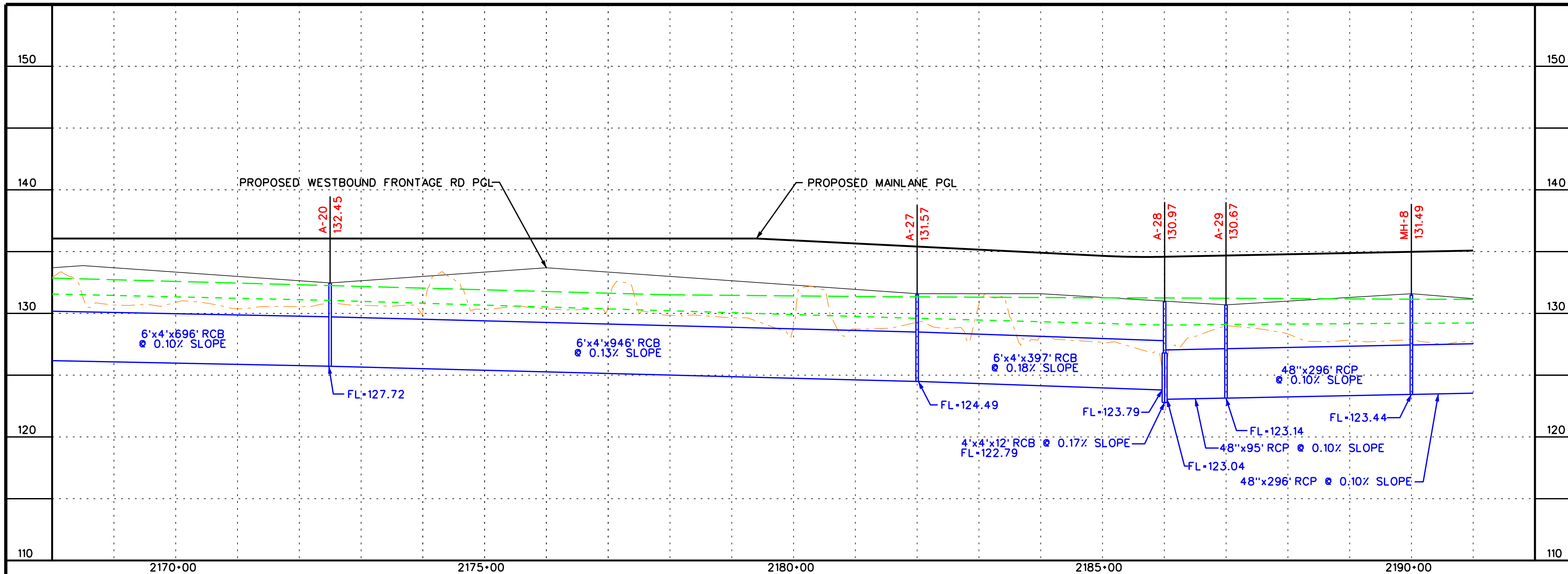
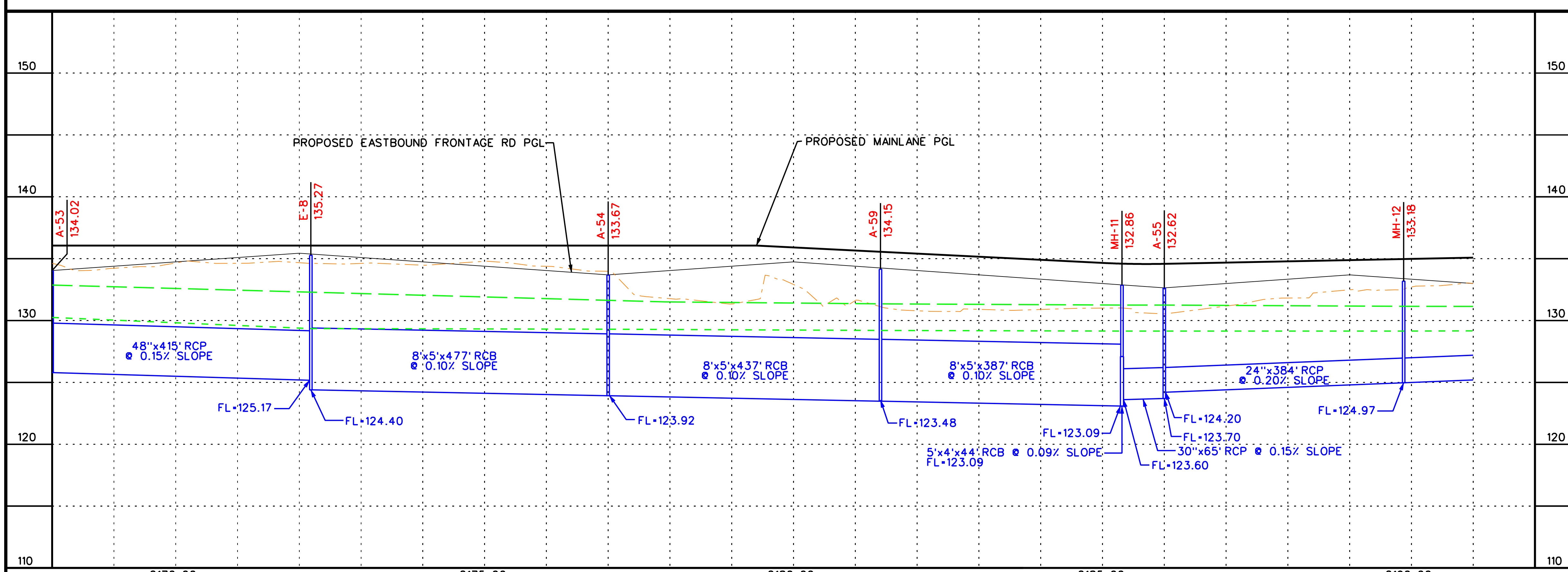


LEGEND

———	PROPOSED MAINLANES
———	PROPOSED FRONTAGE ROAD
- · - · -	NATURAL GROUND
- - - - -	10-YR HGL
— — —	100-YR HGL

NOTE: THE HGL PROFILES DRAWN REPRESENT THE CONTROLLING WATER SURFACE PROFILES BETWEEN THE FEMA EFFECTIVE MODEL (WHEN APPLICABLE) AND THE SWMM ANALYSIS.



0 100 200 400

SCALE (H) 1" = 200'
(V) 1" = 10'

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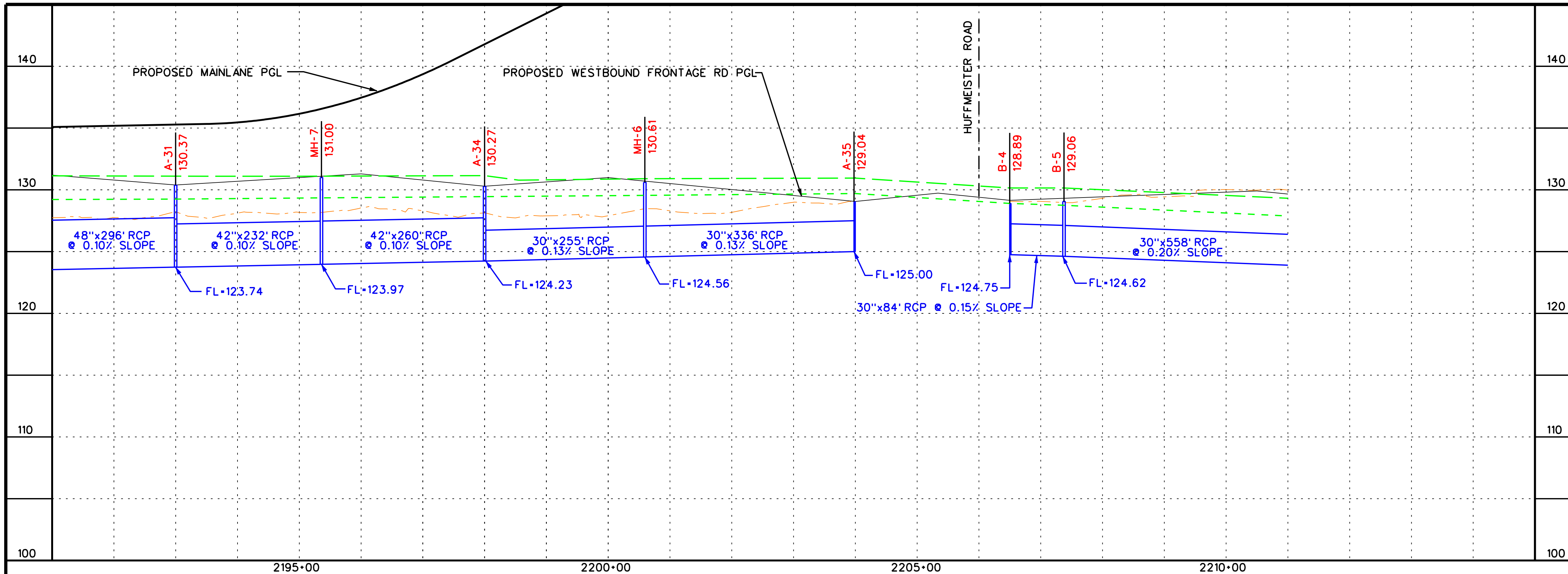
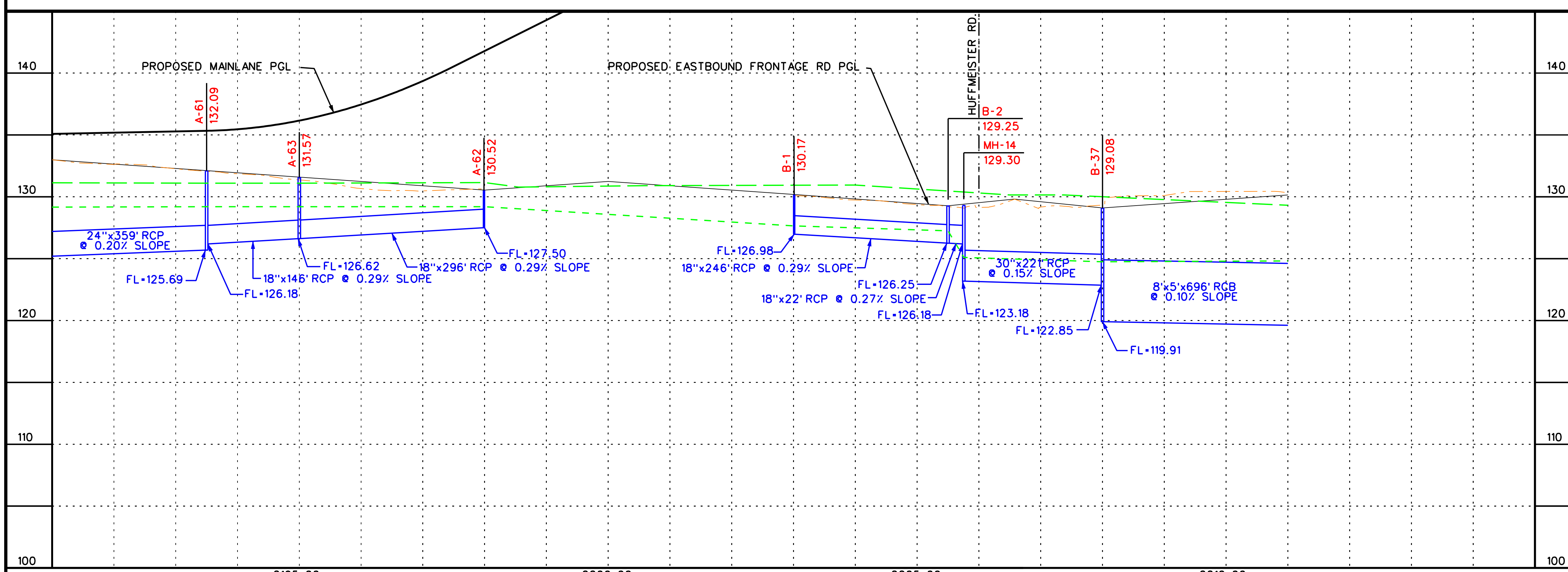


LEGEND

————	PROPOSED MAINLANES
————	PROPOSED FRONTAGE ROAD
-·-·-·-	NATURAL GROUND
- - - -	10-YR HGL
— — —	100-YR HGL

NOTE: THE HGL PROFILES DRAWN REPRESENT THE CONTROLLING WATER SURFACE PROFILES BETWEEN THE FEMA EFFECTIVE MODEL (WHEN APPLICABLE) AND THE SWMM ANALYSIS.



0 100 200 400

SCALE (H) 1" = 200'
(V) 1" = 10'

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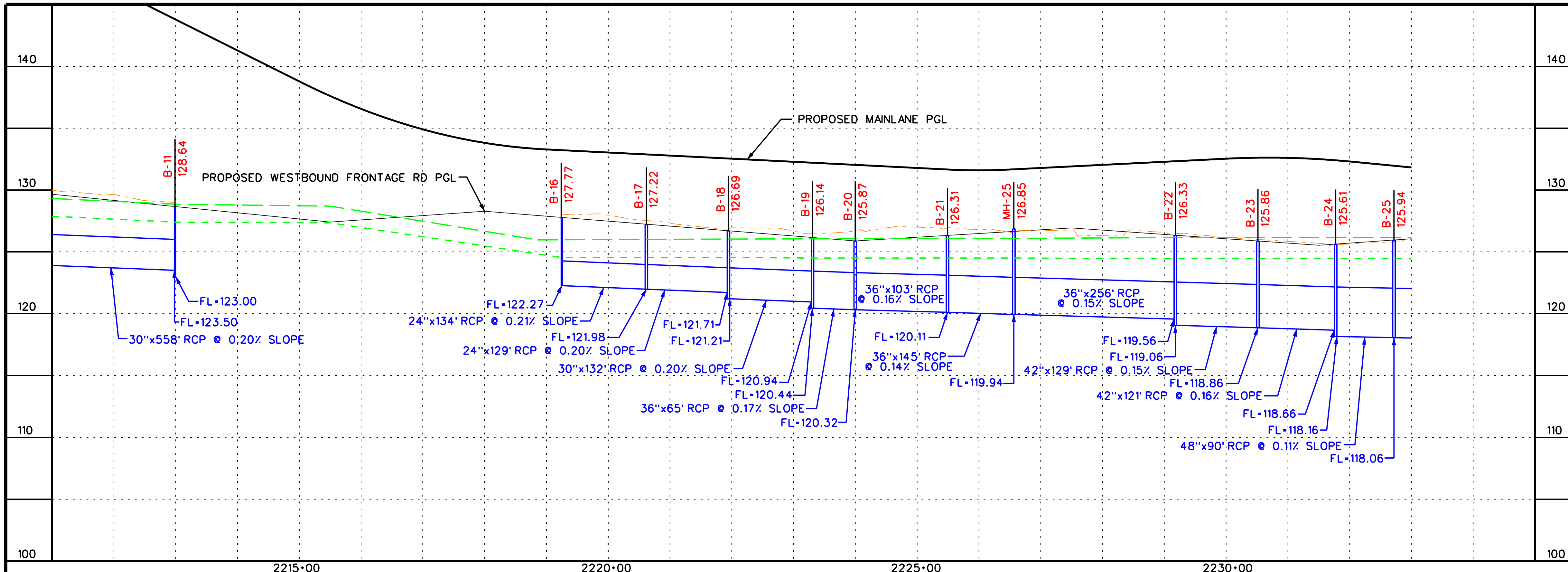
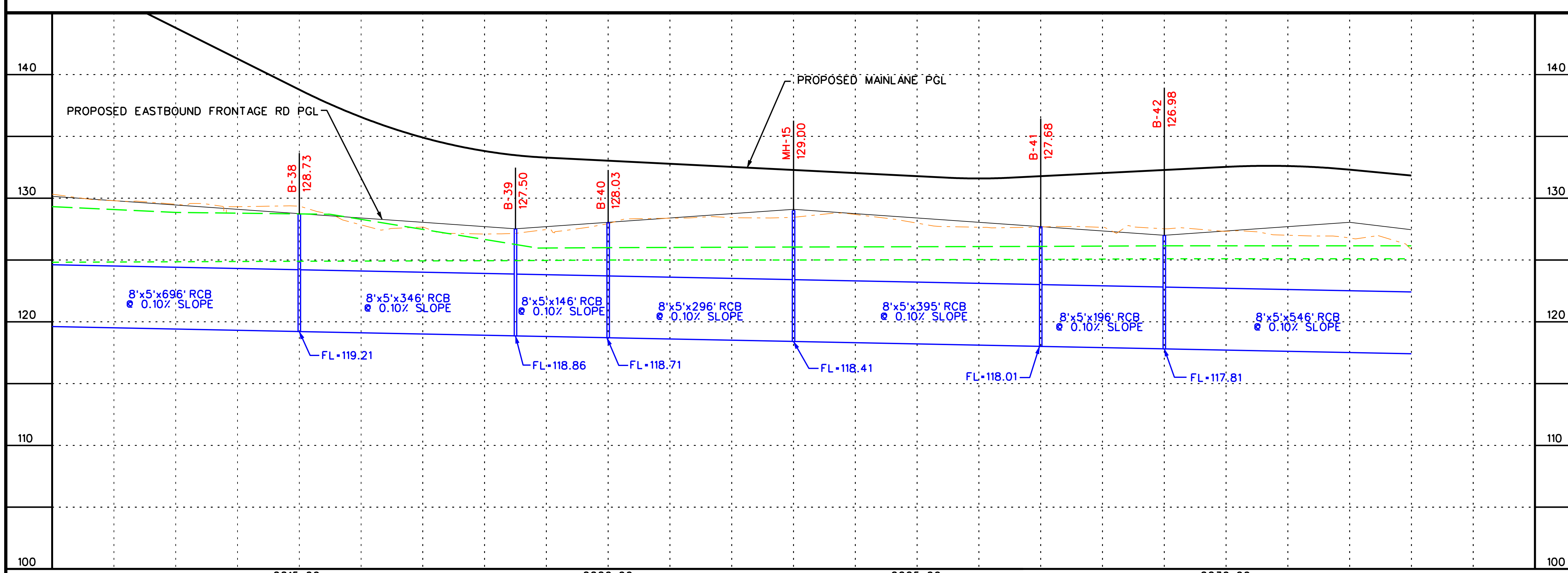
...\Phasell\DRA\Profile04.dgn



LEGEND

- PROPOSED MAINLANES
- PROPOSED FRONTAGE ROAD
- NATURAL GROUND
- 10-YR HGL
- 100-YR HGL



NOTE: THE HGL PROFILES DRAWN REPRESENT THE CONTROLLING WATER SURFACE PROFILES BETWEEN THE FEMA EFFECTIVE MODEL (WHEN APPLICABLE) AND THE SWMM ANALYSIS.

0 100 200 400

SCALE (H) 1" = 200'
(V) 1" = 10'

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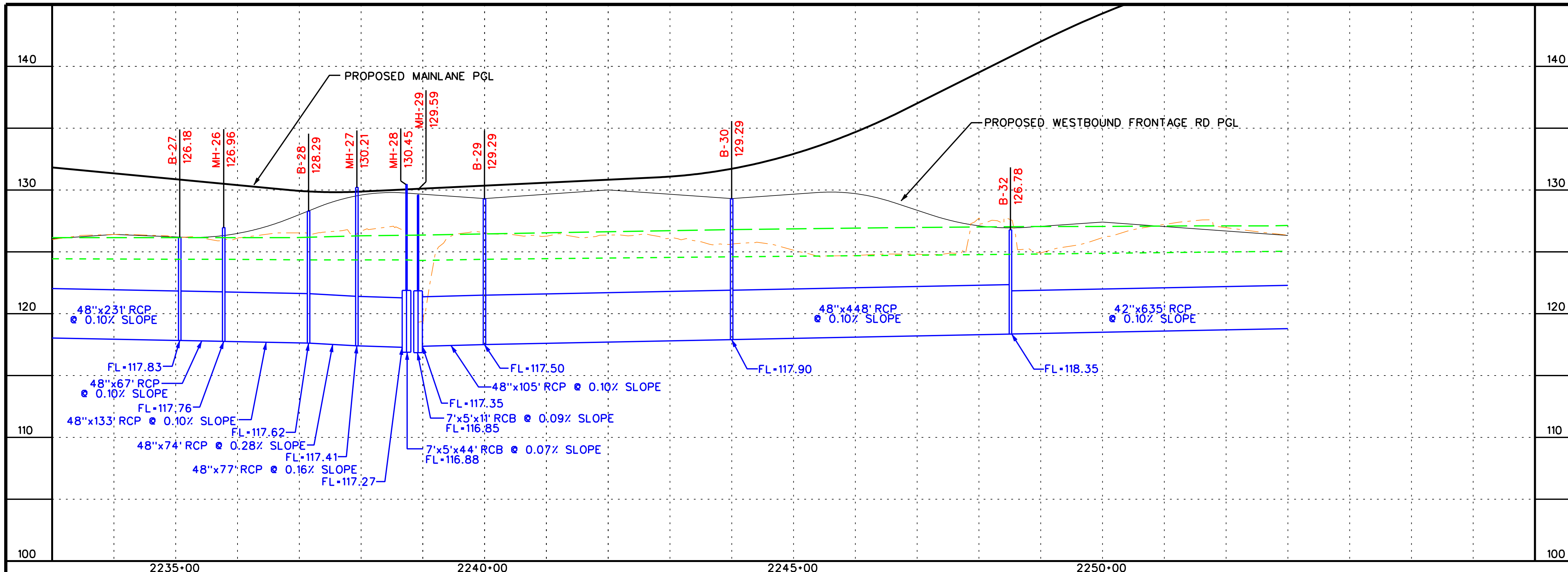
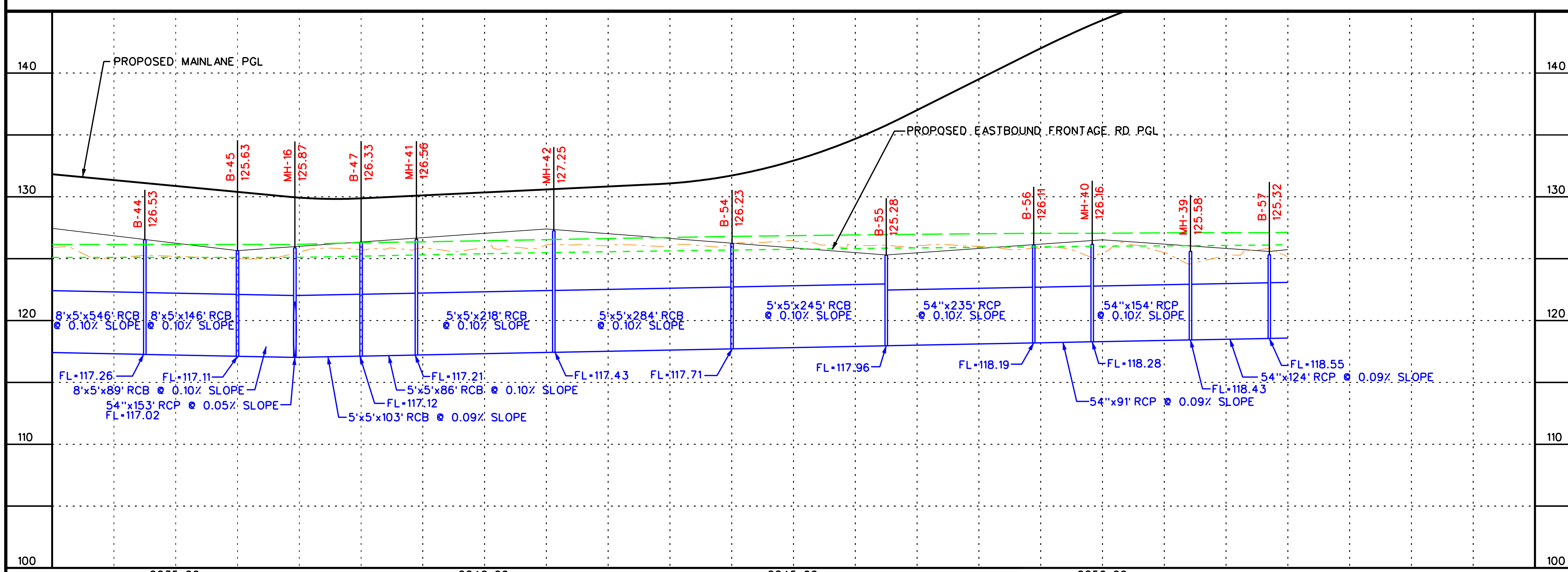
...\Phasell\DRA\Profile05.dgn



LEGEND

———	PROPOSED MAINLANES
———	PROPOSED FRONTAGE ROAD
-·-·-	NATURAL GROUND
- - -	10-YR HGL
— — —	100-YR HGL

NOTE: THE HGL PROFILES DRAWN REPRESENT THE CONTROLLING WATER SURFACE PROFILES BETWEEN THE FEMA EFFECTIVE MODEL (WHEN APPLICABLE) AND THE SWMM ANALYSIS.



0 100 200 400

SCALE (H) 1" = 200'
(V) 1" = 10'

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SHEET 6 OF 36

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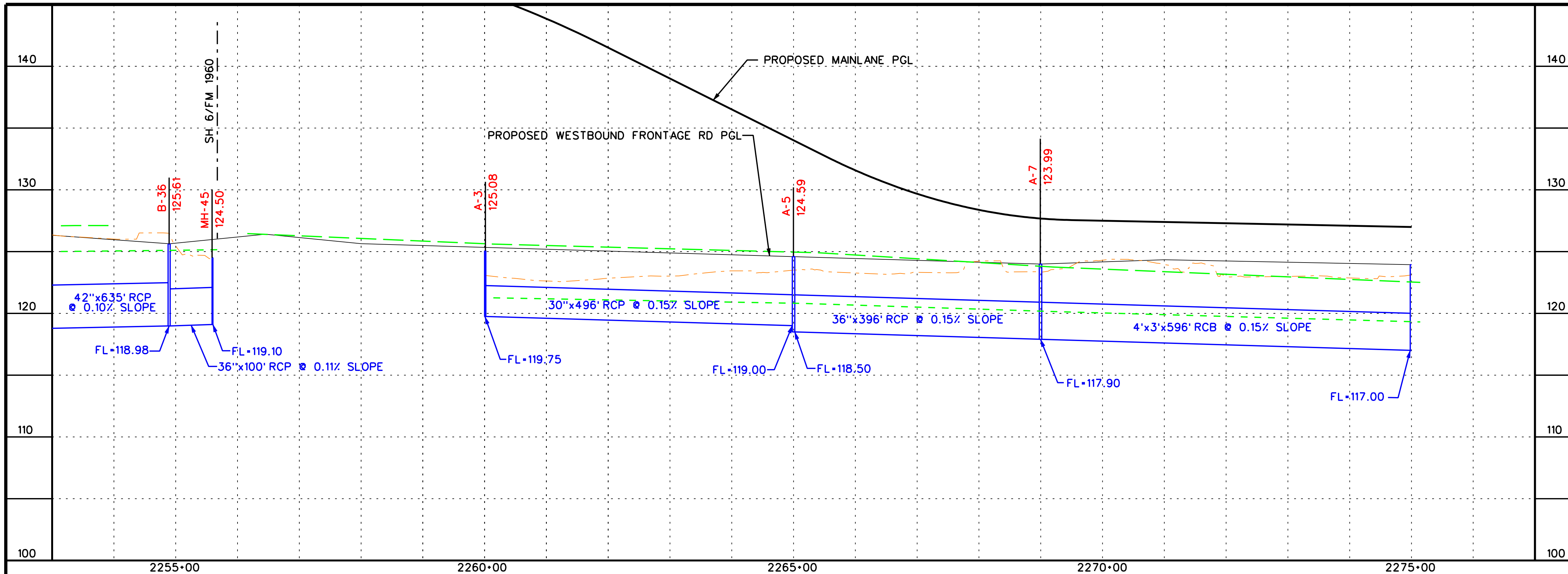
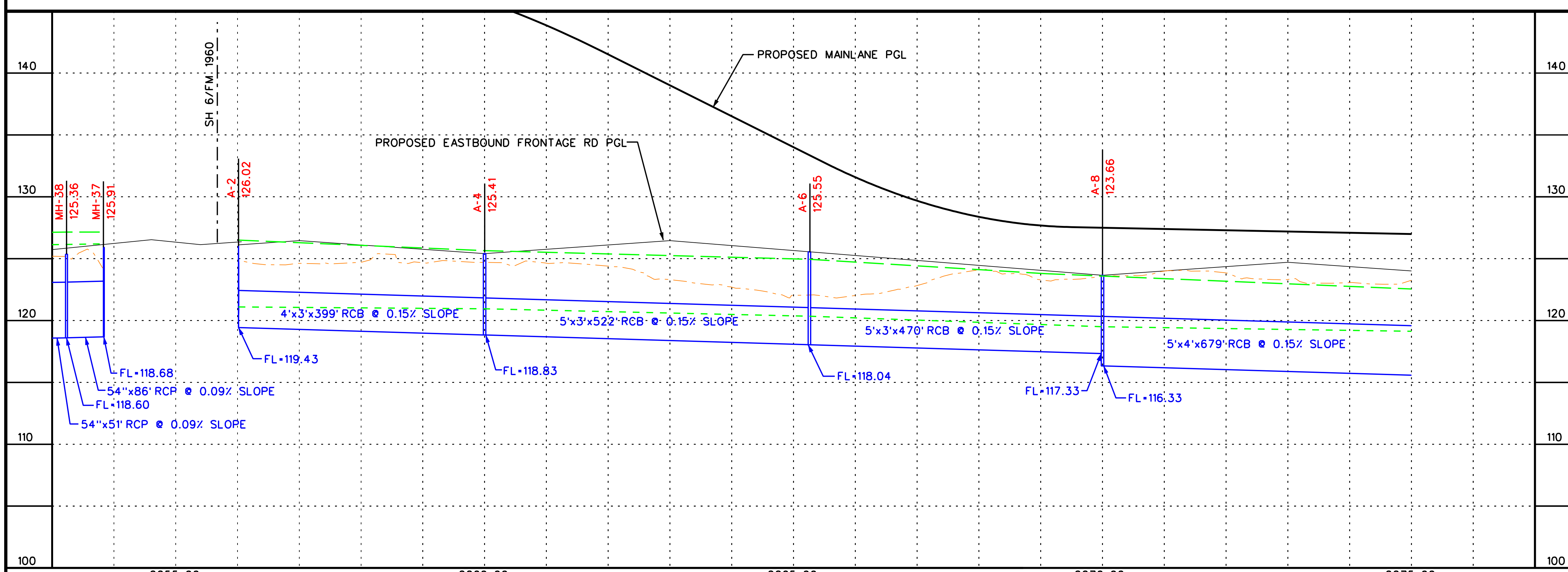
...\PhaseII\DRA\Profile06.dgn



LEGEND

- PROPOSED MAINLANES
- PROPOSED FRONTAGE ROAD
- NATURAL GROUND
- 10-YR HGL
- 100-YR HGL

NOTE: THE HGL PROFILES DRAWN REPRESENT THE CONTROLLING WATER SURFACE PROFILES BETWEEN THE FEMA EFFECTIVE MODEL (WHEN APPLICABLE) AND THE SWMM ANALYSIS.



0 100 200 400

SCALE (H) 1" = 200'
(V) 1" = 10'

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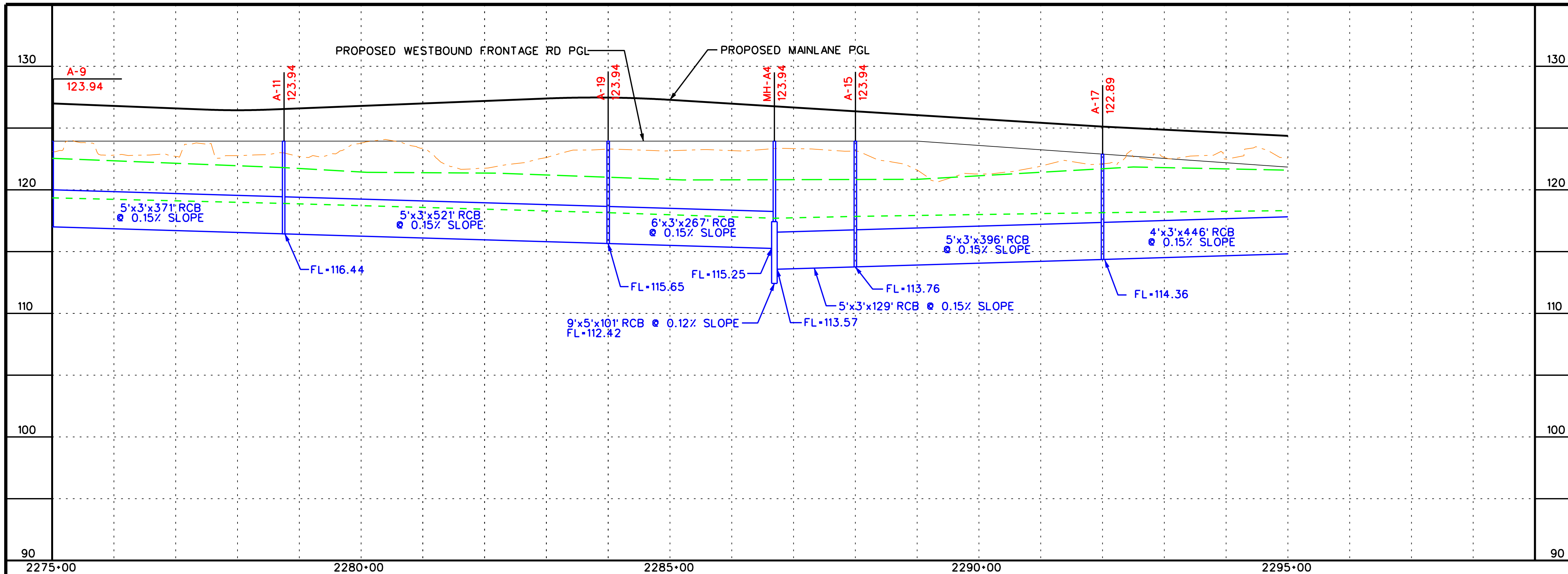

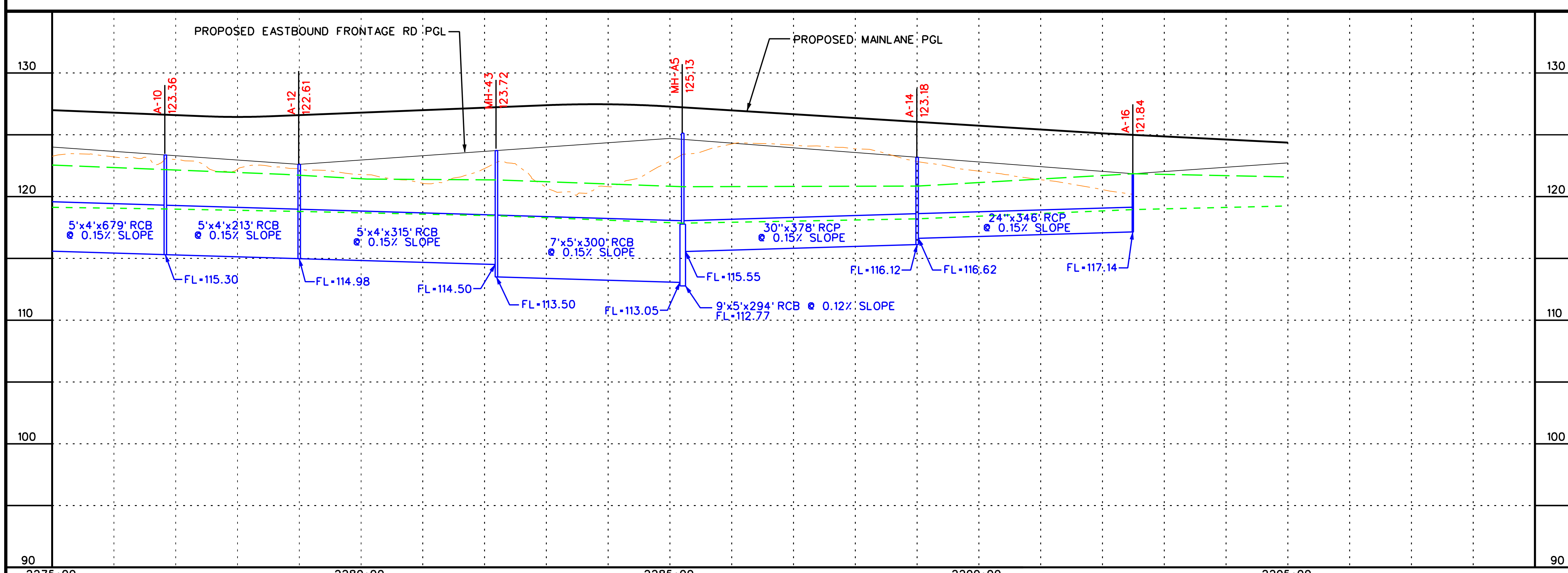

LEGEND

- PROPOSED MAINLANES
- PROPOSED FRONTAGE ROAD
- NATURAL GROUND
- 10-YR HGL
- 100-YR HGL

NOTE: THE HGL PROFILES DRAWN REPRESENT THE CONTROLLING WATER SURFACE PROFILES BETWEEN THE FEMA EFFECTIVE MODEL (WHEN APPLICABLE) AND THE SWMM ANALYSIS.

0 100 200 400

SCALE (H) 1" = 200'
(V) 1" = 10'

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SHEET 8 OF 36

10/6/2009 | EXHIBIT 8

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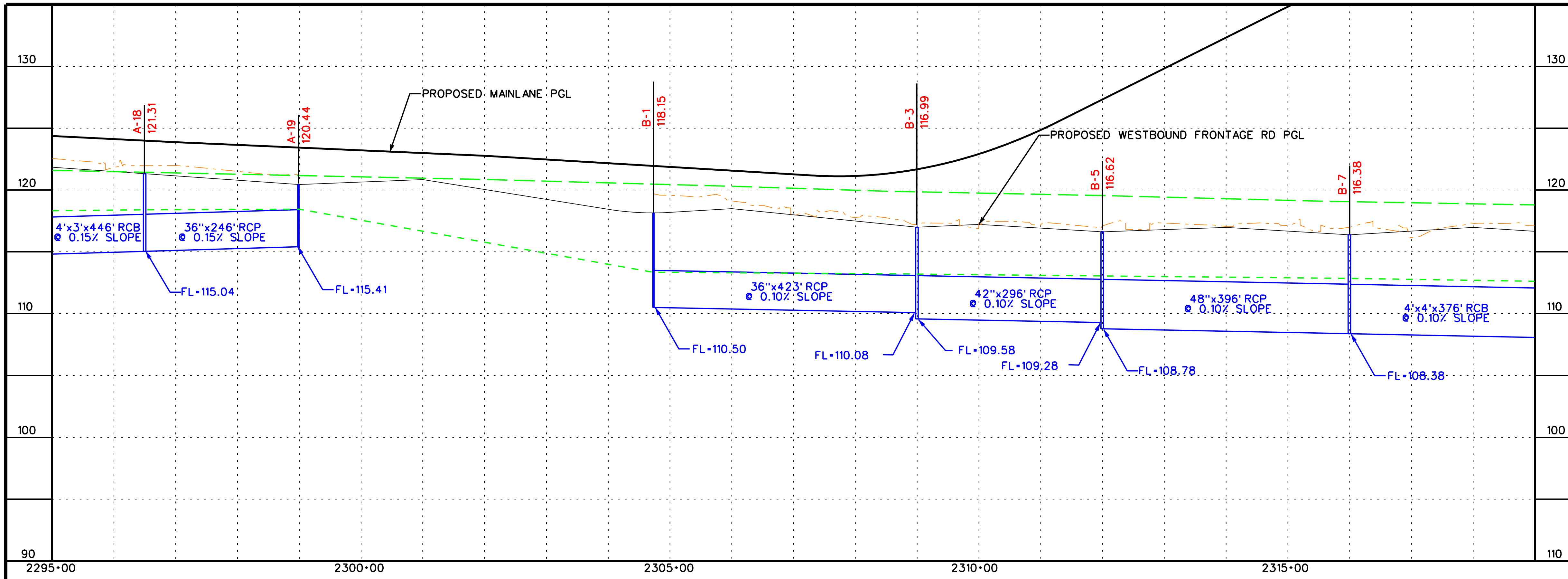

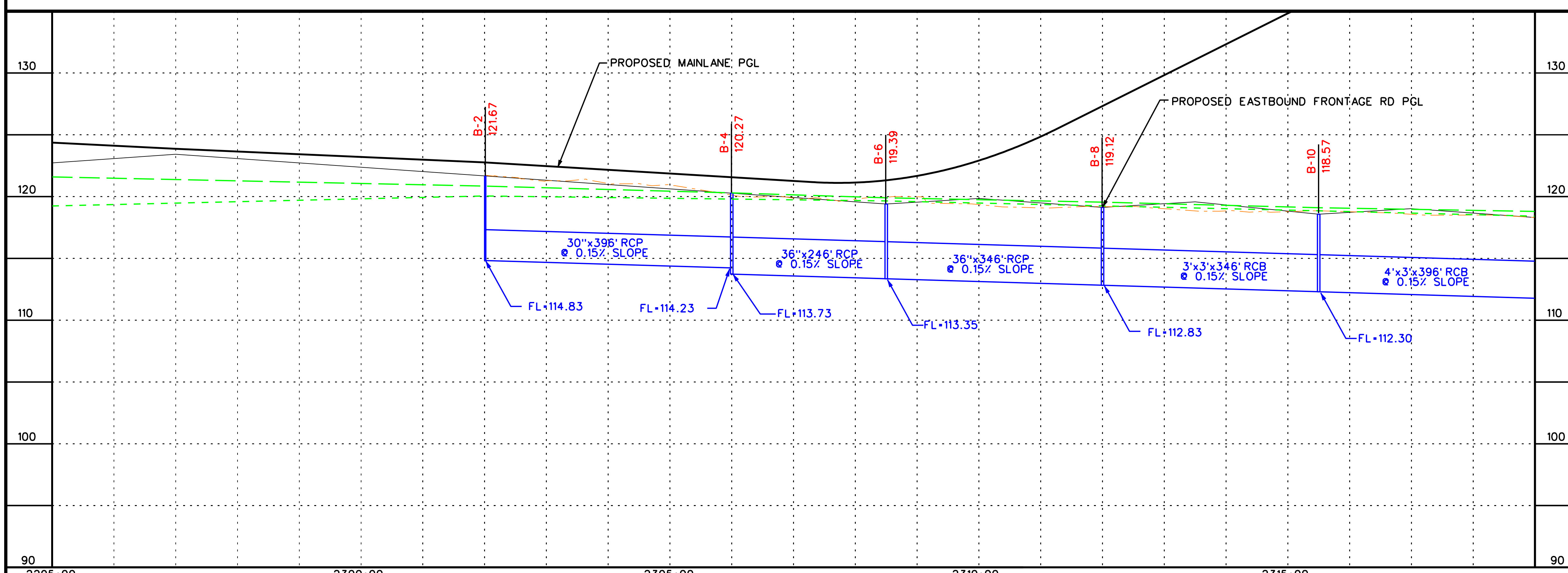

LEGEND

- PROPOSED MAINLANES
- PROPOSED FRONTAGE ROAD
- NATURAL GROUND
- 10-YR HGL
- 100-YR HGL

NOTE: THE HGL PROFILES DRAWN REPRESENT THE CONTROLLING WATER SURFACE PROFILES BETWEEN THE FEMA EFFECTIVE MODEL (WHEN APPLICABLE) AND THE SWMM ANALYSIS.

0 100 200 400

SCALE (H) 1" = 200'
(V) 1" = 10'

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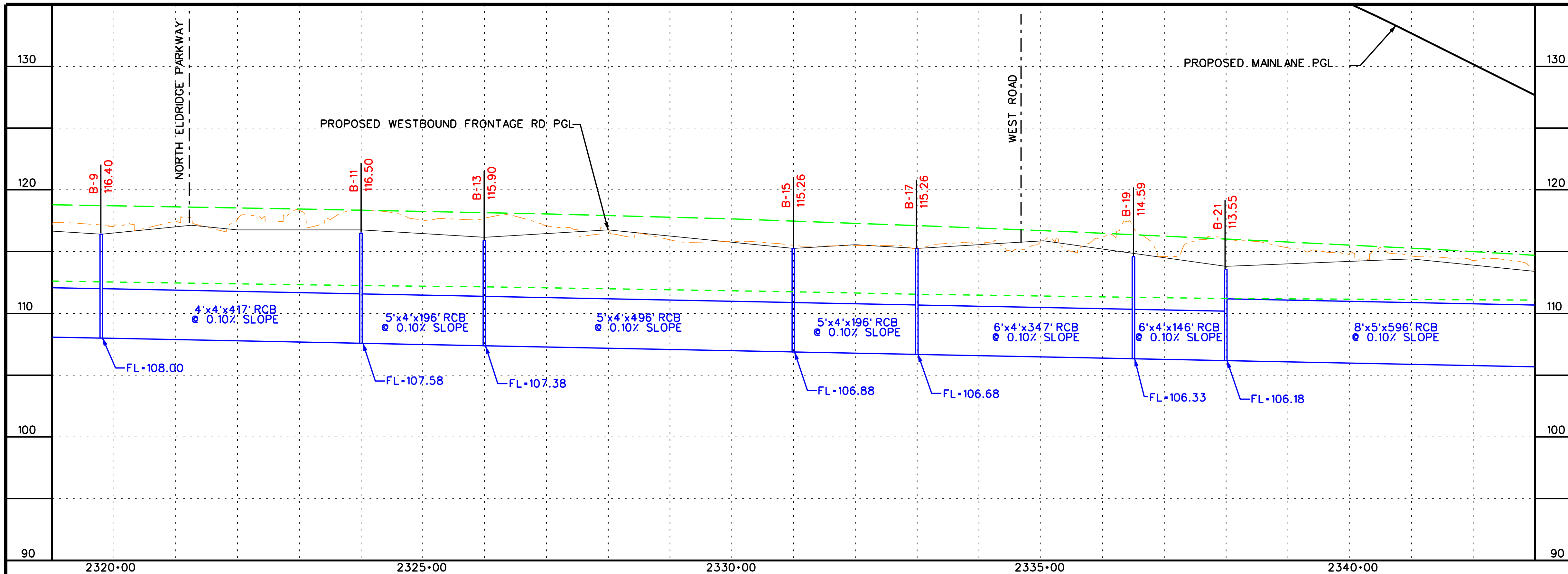
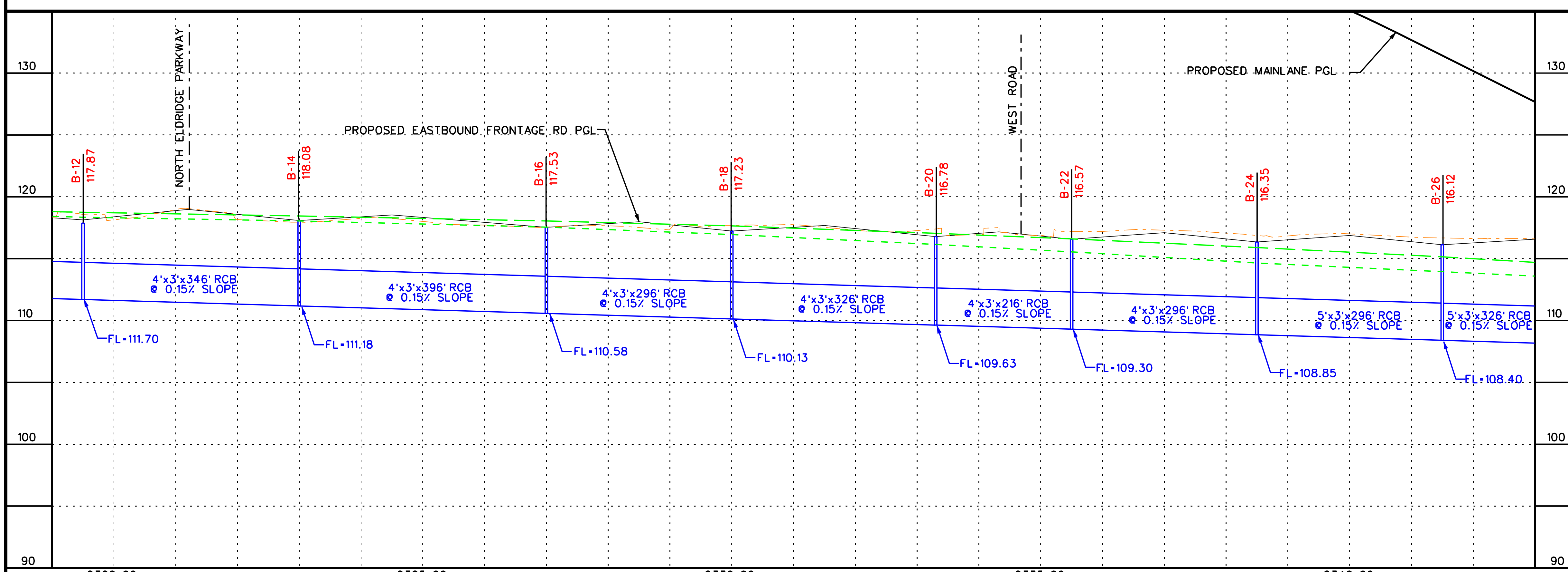


LEGEND

- PROPOSED MAINLANES
- PROPOSED FRONTAGE ROAD
- NATURAL GROUND
- 10-YR HGL
- 100-YR HGL

NOTE: THE HGL PROFILES DRAWN REPRESENT THE CONTROLLING WATER SURFACE PROFILES BETWEEN THE FEMA EFFECTIVE MODEL (WHEN APPLICABLE) AND THE SWMM ANALYSIS.



0 100 200 400

SCALE (H) 1" = 200'
(V) 1" = 10'

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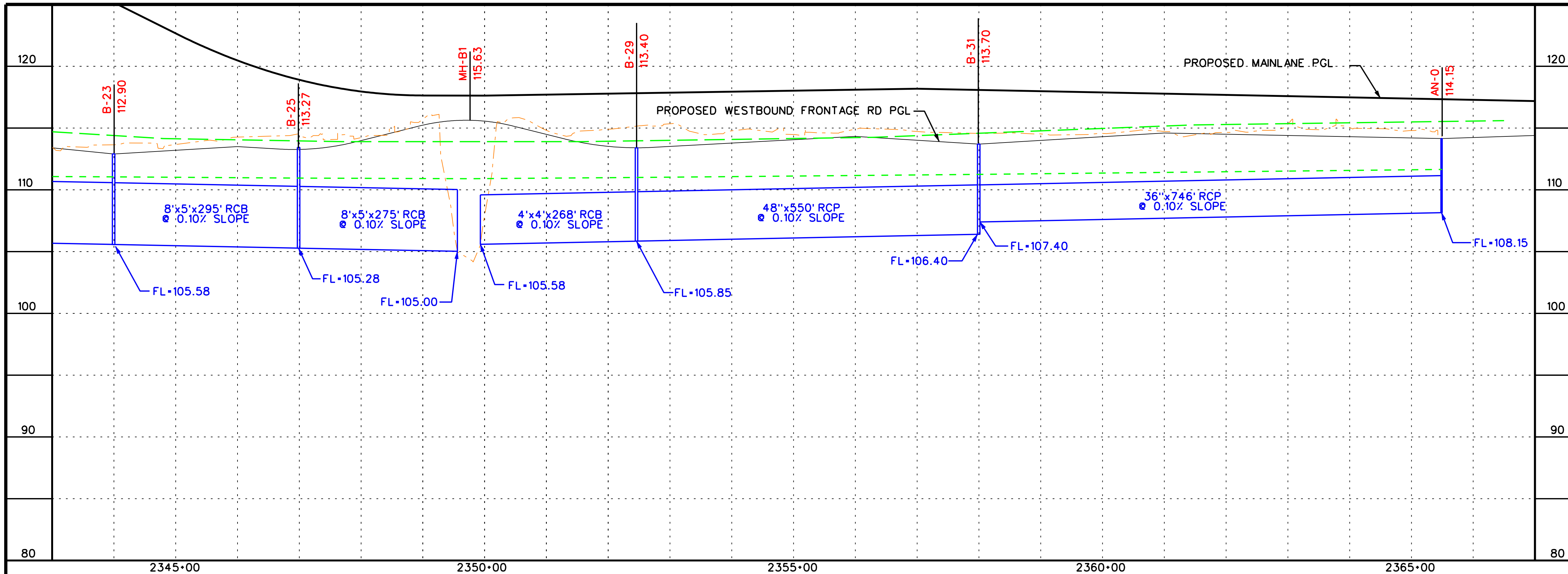
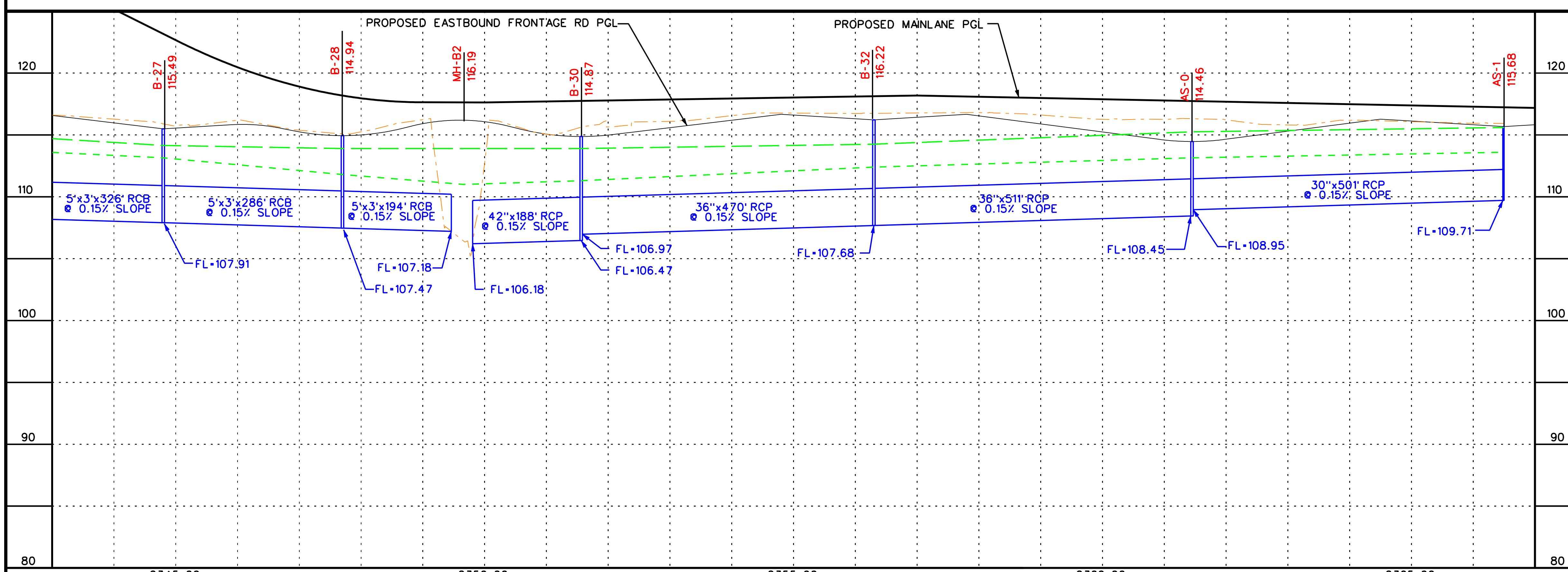


LEGEND

- PROPOSED MAINLANES
- PROPOSED FRONTAGE ROAD
- NATURAL GROUND
- 10-YR HGL
- 100-YR HGL



NOTE: THE HGL PROFILES DRAWN REPRESENT THE CONTROLLING WATER SURFACE PROFILES BETWEEN THE FEMA EFFECTIVE MODEL (WHEN APPLICABLE) AND THE SWMM ANALYSIS.

0 100 200 400

SCALE (H) 1" = 200'
(V) 1" = 10'

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PROPOSED STORMSEWER PROFILES

SHEET 11 OF 36

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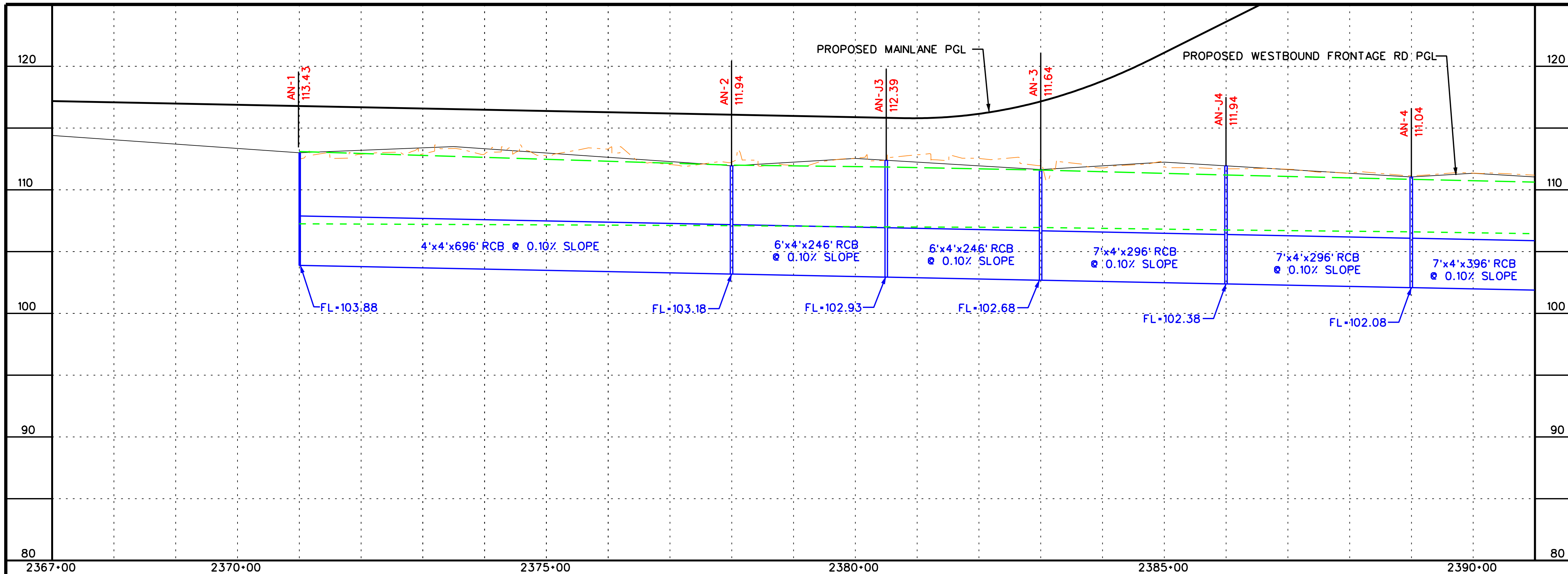
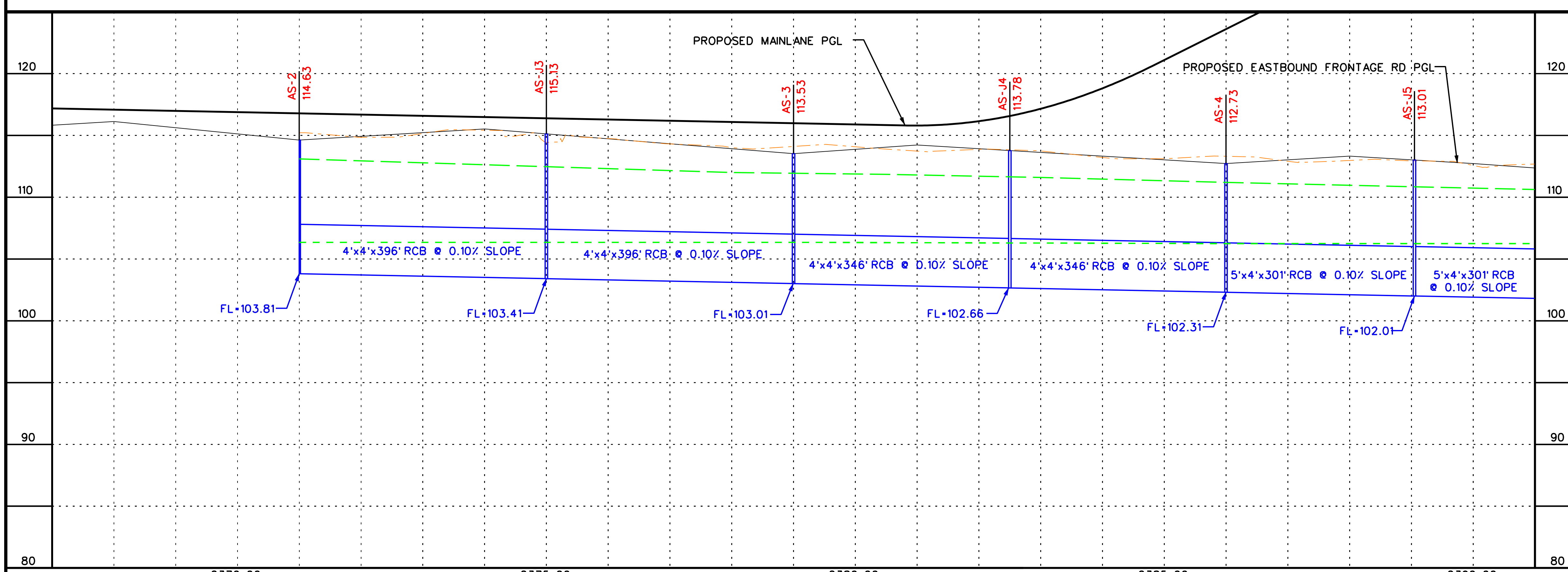


LEGEND

PROPOSED MAINLANES
PROPOSED FRONTAGE ROAD
NATURAL GROUND
10-YR HGL
100-YR HGL

NOTE: THE HGL PROFILES DRAWN REPRESENT THE CONTROLLING WATER SURFACE PROFILES BETWEEN THE FEMA EFFECTIVE MODEL (WHEN APPLICABLE) AND THE SWMM ANALYSIS.



0 100 200 400
SCALE (H) 1" = 200'
(V) 1" = 10'

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SHEET 12 OF 36

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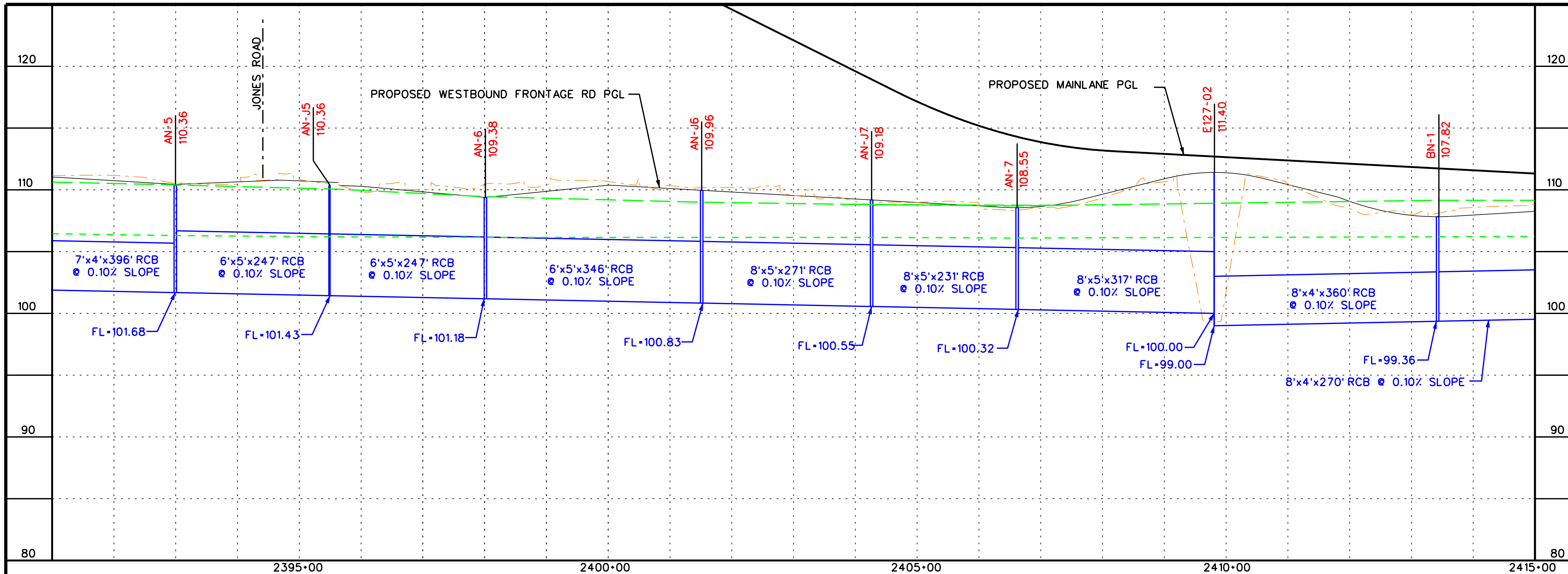
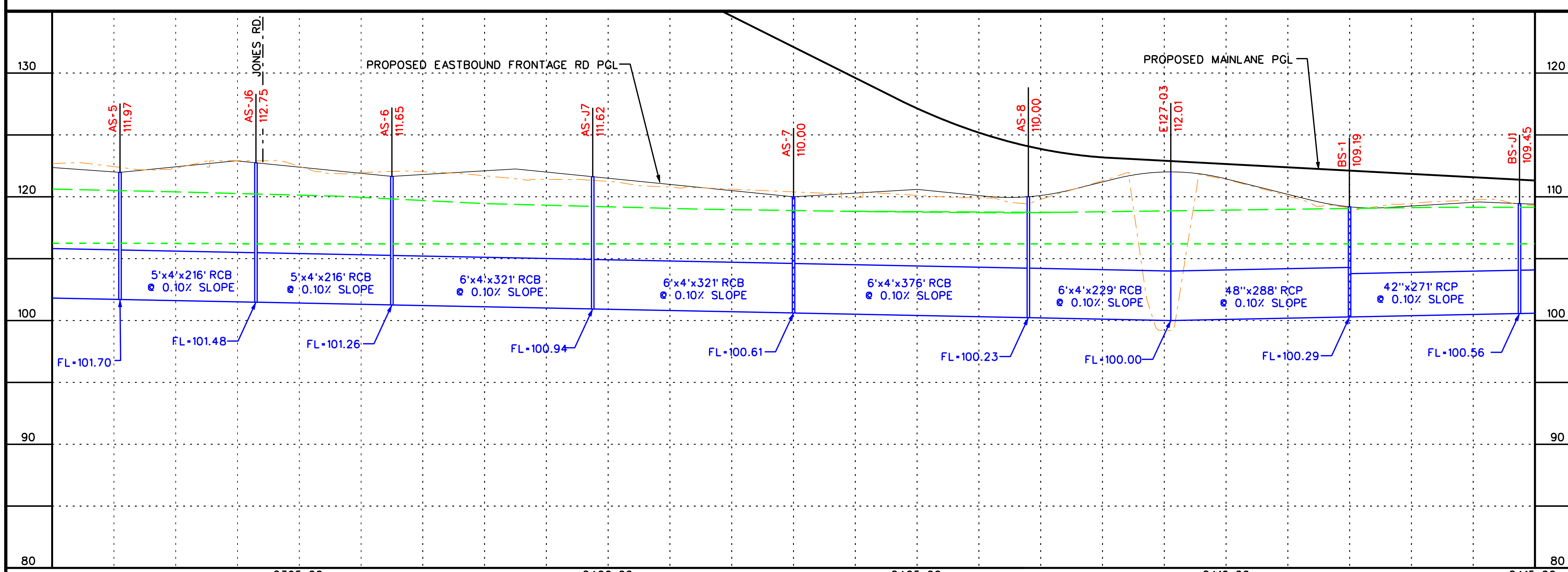


LEGEND

- PROPOSED MAINLANES
- PROPOSED FRONTAGE ROAD
- NATURAL GROUND
- 10-YR HGL
- 100-YR HGL

NOTE: THE HGL PROFILES DRAWN REPRESENT THE CONTROLLING WATER SURFACE PROFILES BETWEEN THE FEMA EFFECTIVE MODEL (WHEN APPLICABLE) AND THE SWMM ANALYSIS.



0 100 200 400

SCALE (H) 1" = 200'
(V) 1" = 10'

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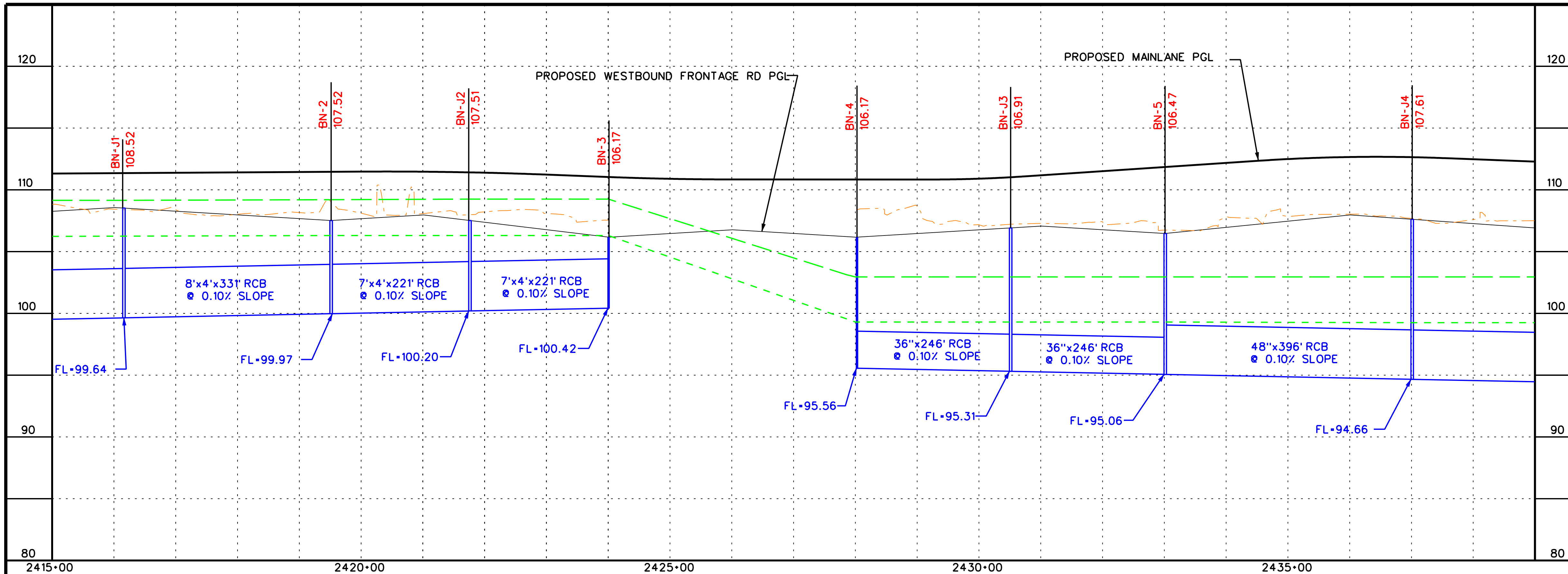
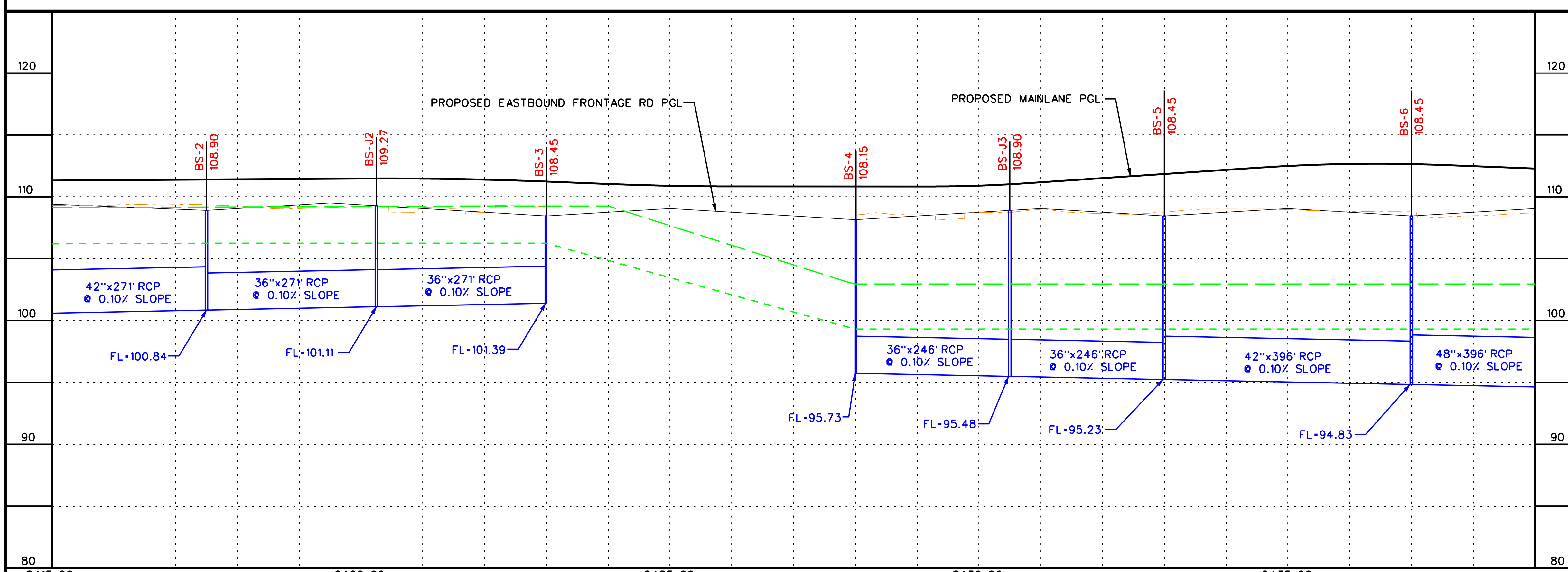


LEGEND

- PROPOSED MAINLANES
- PROPOSED FRONTAGE ROAD
- NATURAL GROUND
- 10-YR HGL
- 100-YR HGL

NOTE: THE HGL PROFILES DRAWN REPRESENT THE CONTROLLING WATER SURFACE PROFILES BETWEEN THE FEMA EFFECTIVE MODEL (WHEN APPLICABLE) AND THE SWMM ANALYSIS.



0 100 200 400

SCALE (H) 1" = 200'
(V) 1" = 10'

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SHEET 14 OF 36

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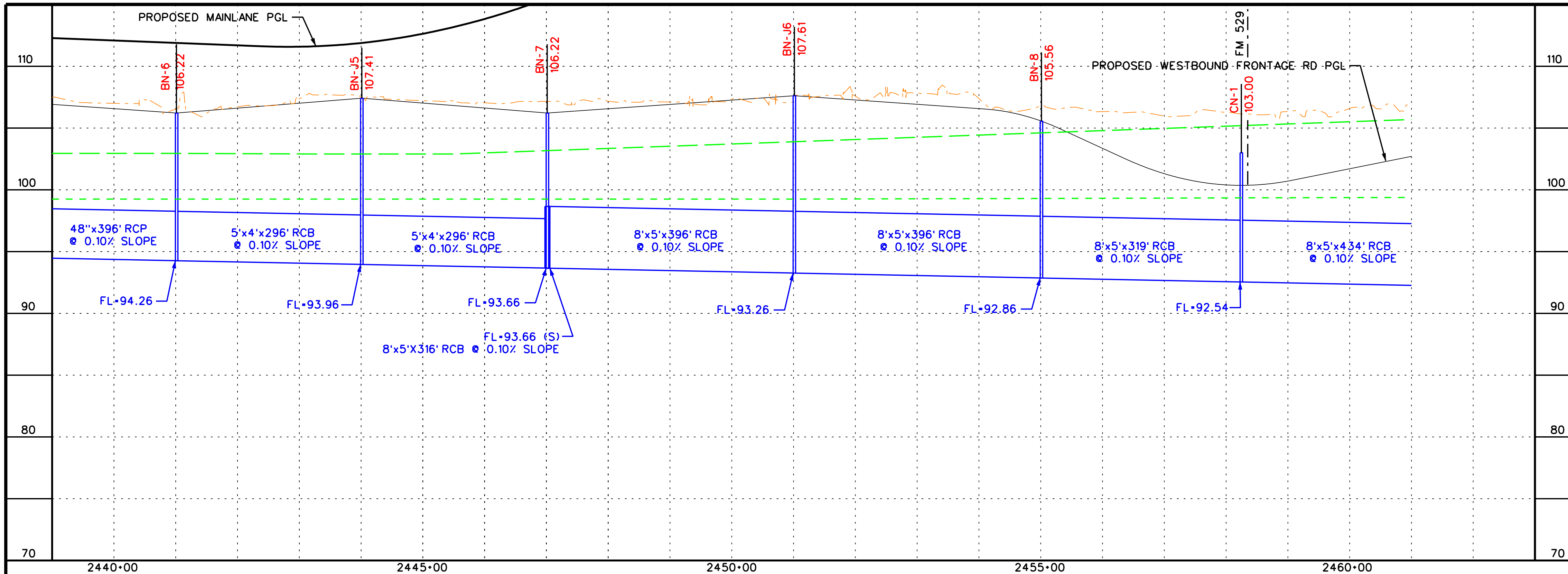

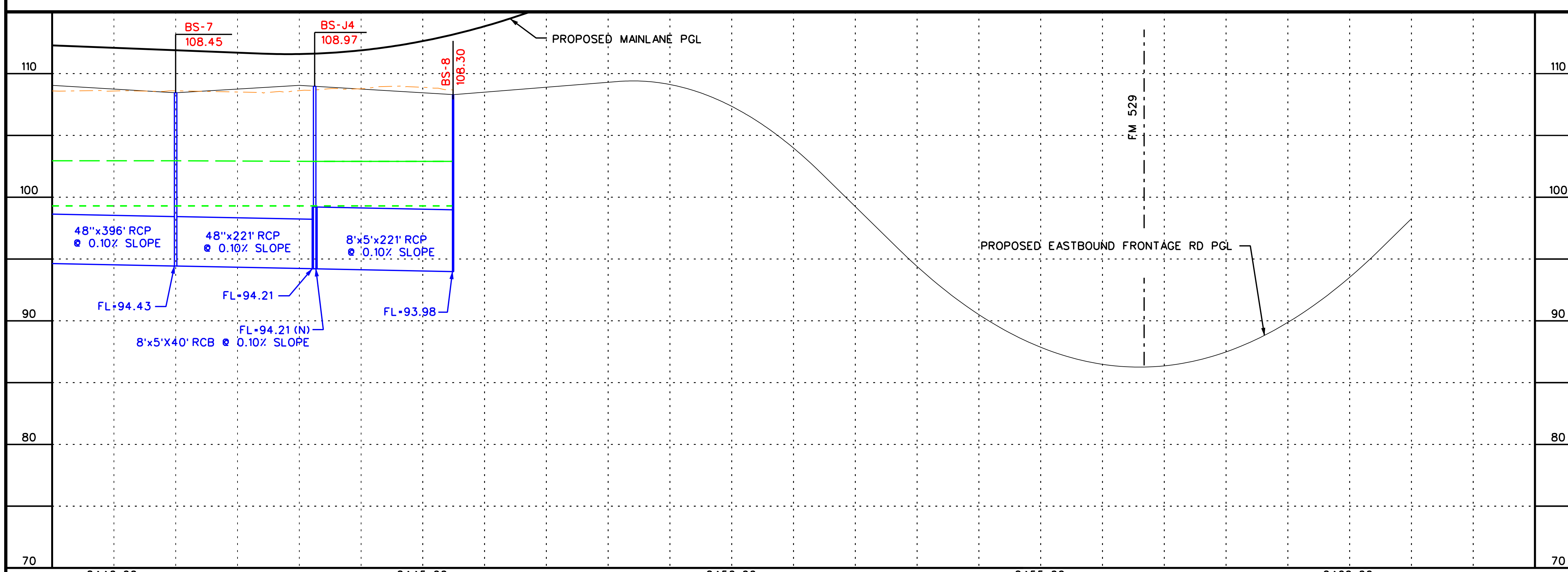

LEGEND

- PROPOSED MAINLANES
- PROPOSED FRONTAGE ROAD
- NATURAL GROUND
- 10-YR HGL
- 100-YR HGL

NOTE: THE HGL PROFILES DRAWN REPRESENT THE CONTROLLING WATER SURFACE PROFILES BETWEEN THE FEMA EFFECTIVE MODEL (WHEN APPLICABLE) AND THE SWMM ANALYSIS.

0 100 200 400

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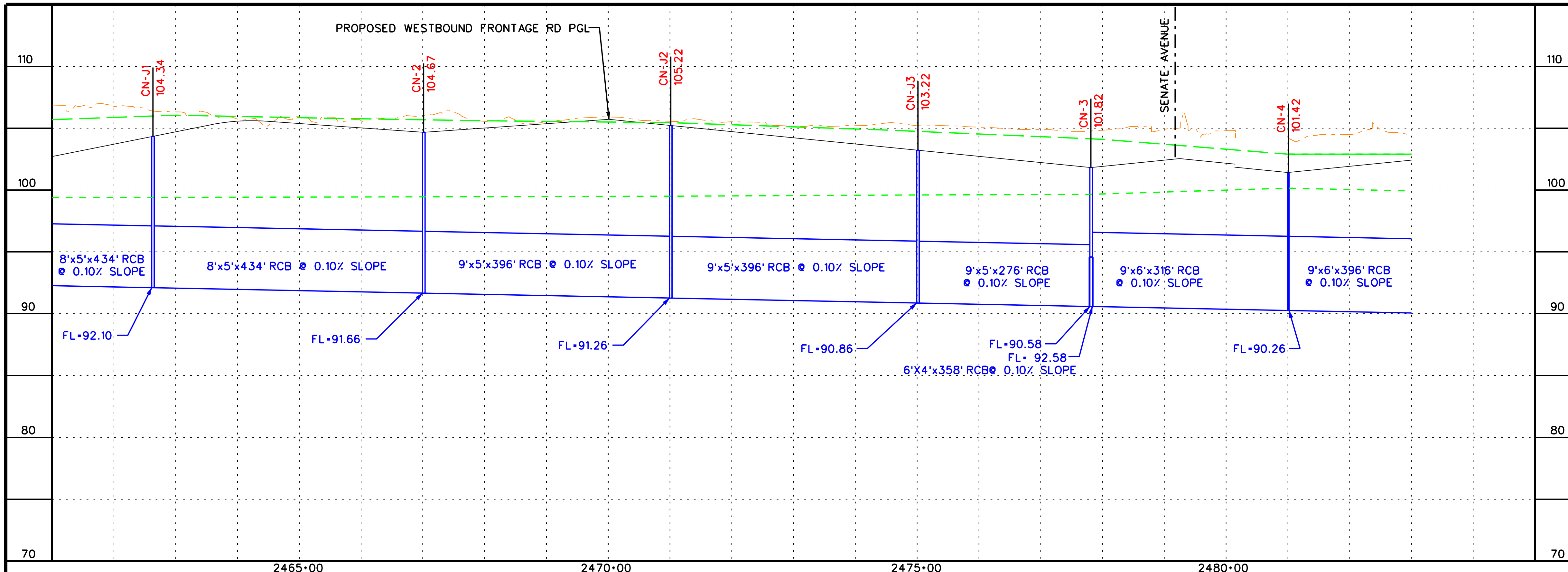
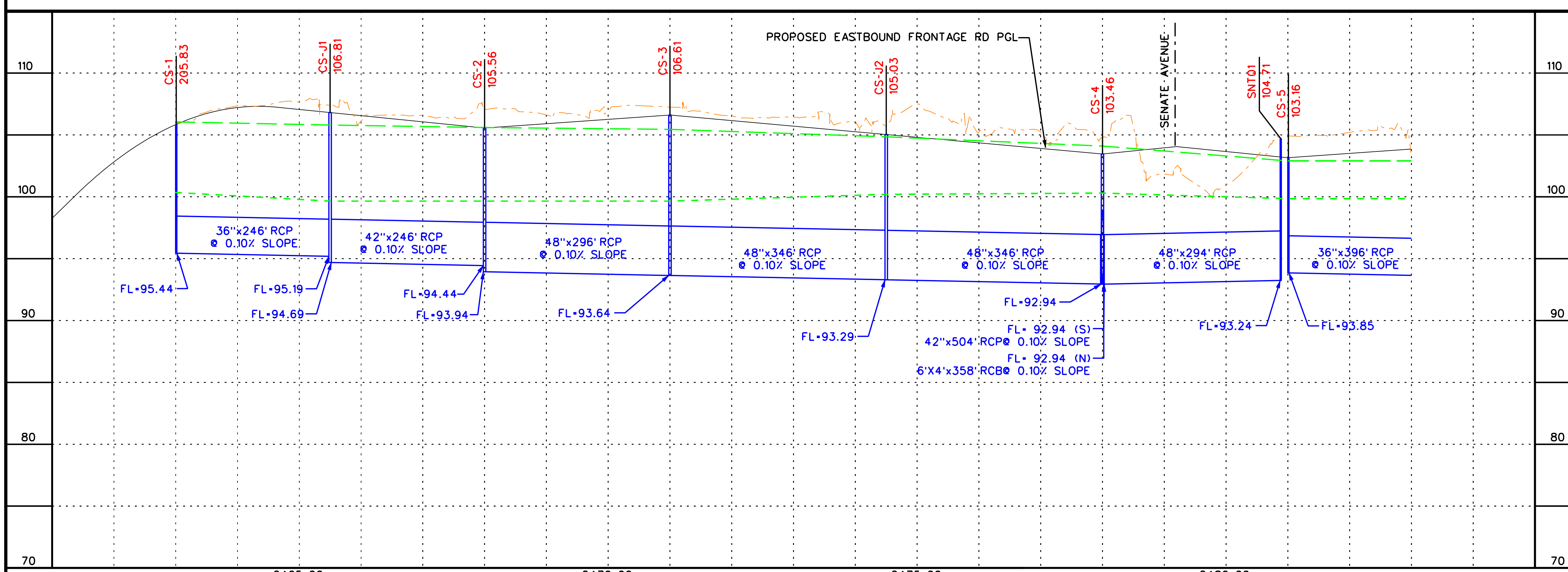


LEGEND

———	PROPOSED MAINLANES
———	PROPOSED FRONTAGE ROAD
-·-·-	NATURAL GROUND
- - -	10-YR HGL
— — —	100-YR HGL

NOTE: THE HGL PROFILES DRAWN REPRESENT THE CONTROLLING WATER SURFACE PROFILES BETWEEN THE FEMA EFFECTIVE MODEL (WHEN APPLICABLE) AND THE SWMM ANALYSIS.



0 100 200 400

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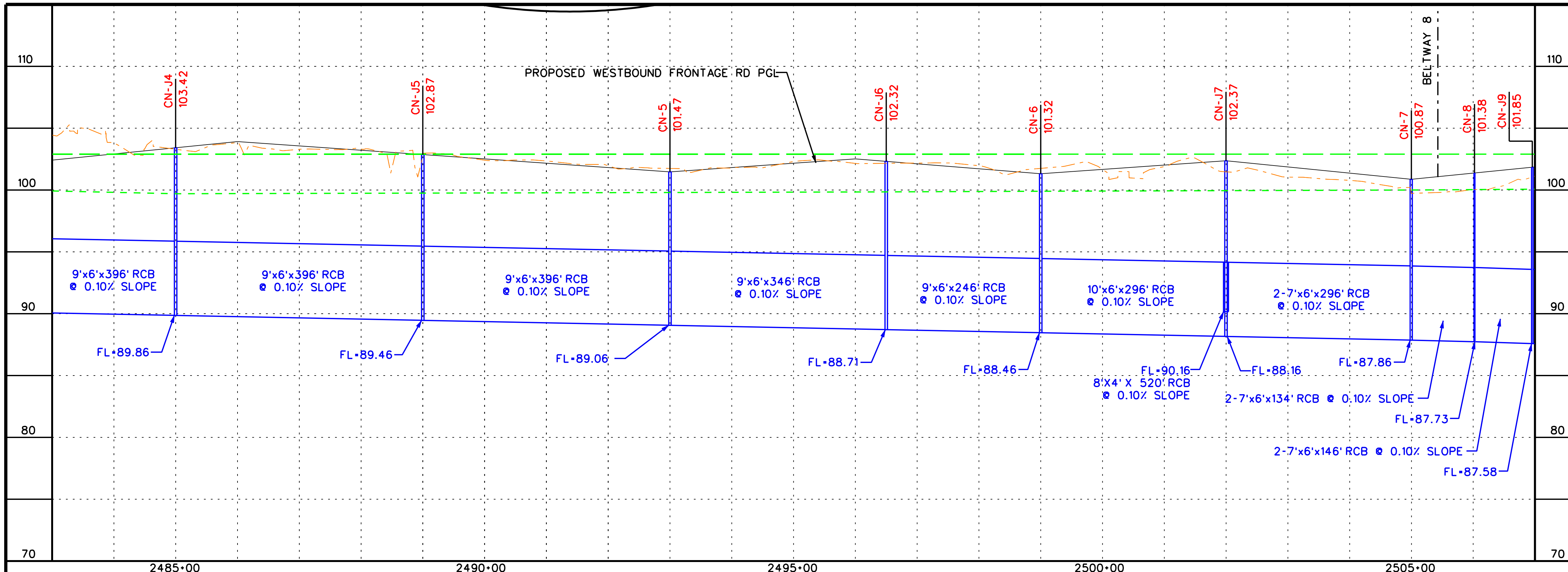
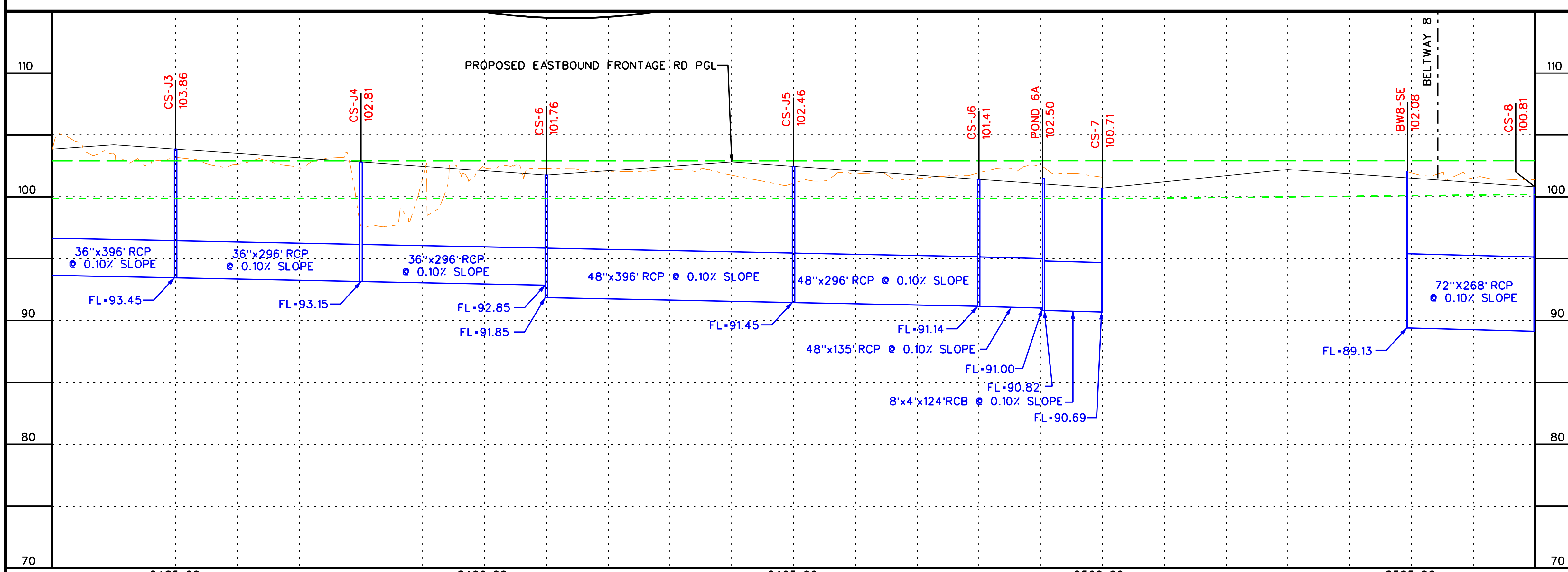


LEGEND

- PROPOSED MAINLANES
- PROPOSED FRONTAGE ROAD
- NATURAL GROUND
- 10-YR HGL
- 100-YR HGL

NOTE: THE HGL PROFILES DRAWN REPRESENT THE CONTROLLING WATER SURFACE PROFILES BETWEEN THE FEMA EFFECTIVE MODEL (WHEN APPLICABLE) AND THE SWMM ANALYSIS.



0 100 200 400
SCALE (H) 1" = 200'
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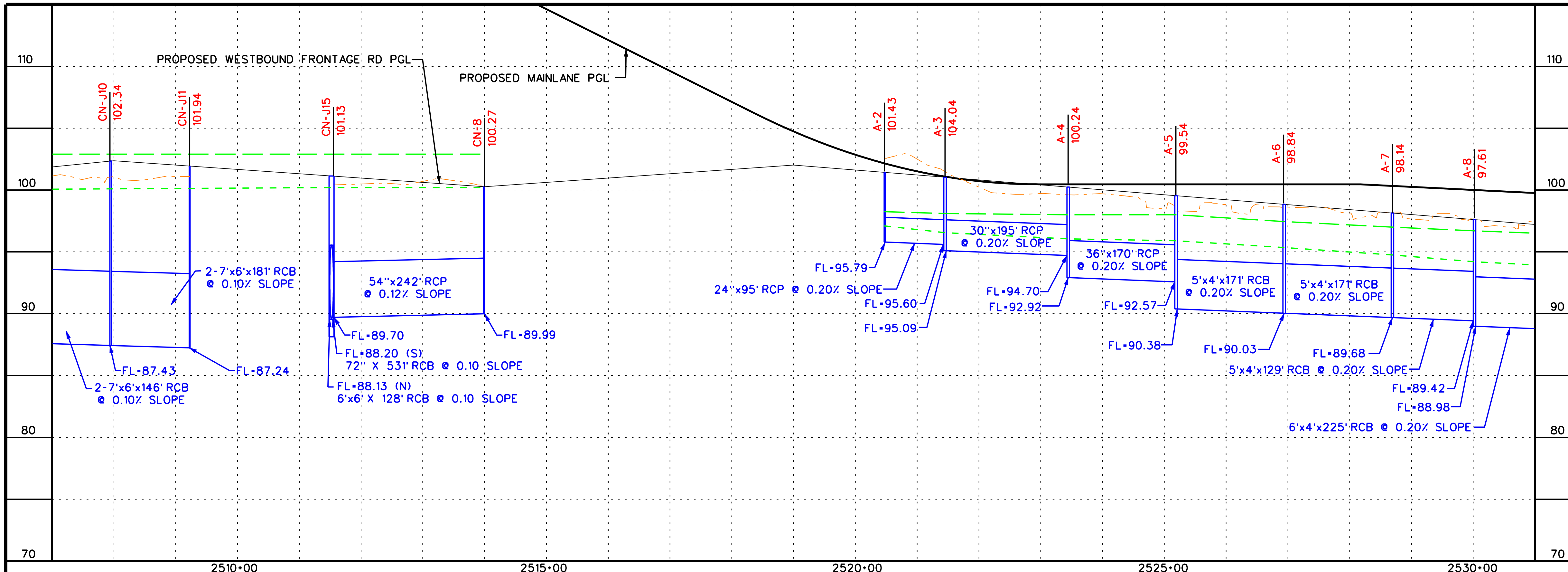

LEGEND

——	PROPOSED MAINLANES
——	PROPOSED FRONTAGE ROAD
-·-·-	NATURAL GROUND
- - - -	10-YR HGL
— — —	100-YR HGL

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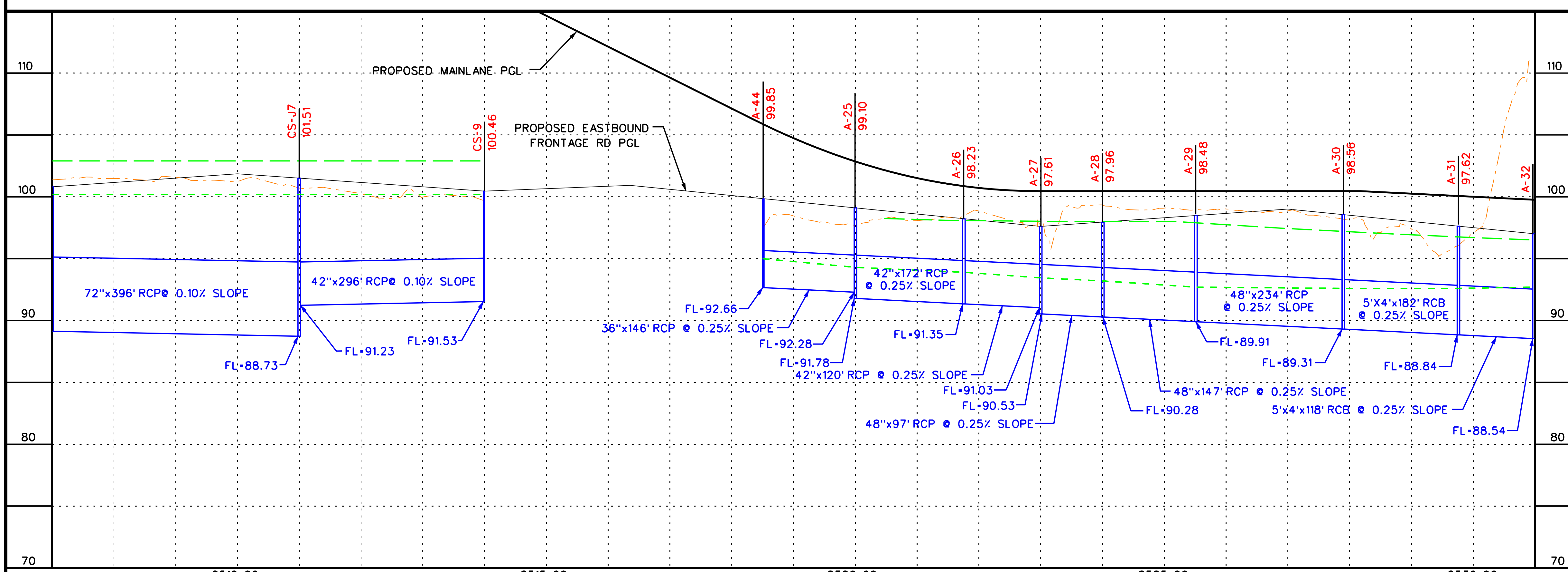

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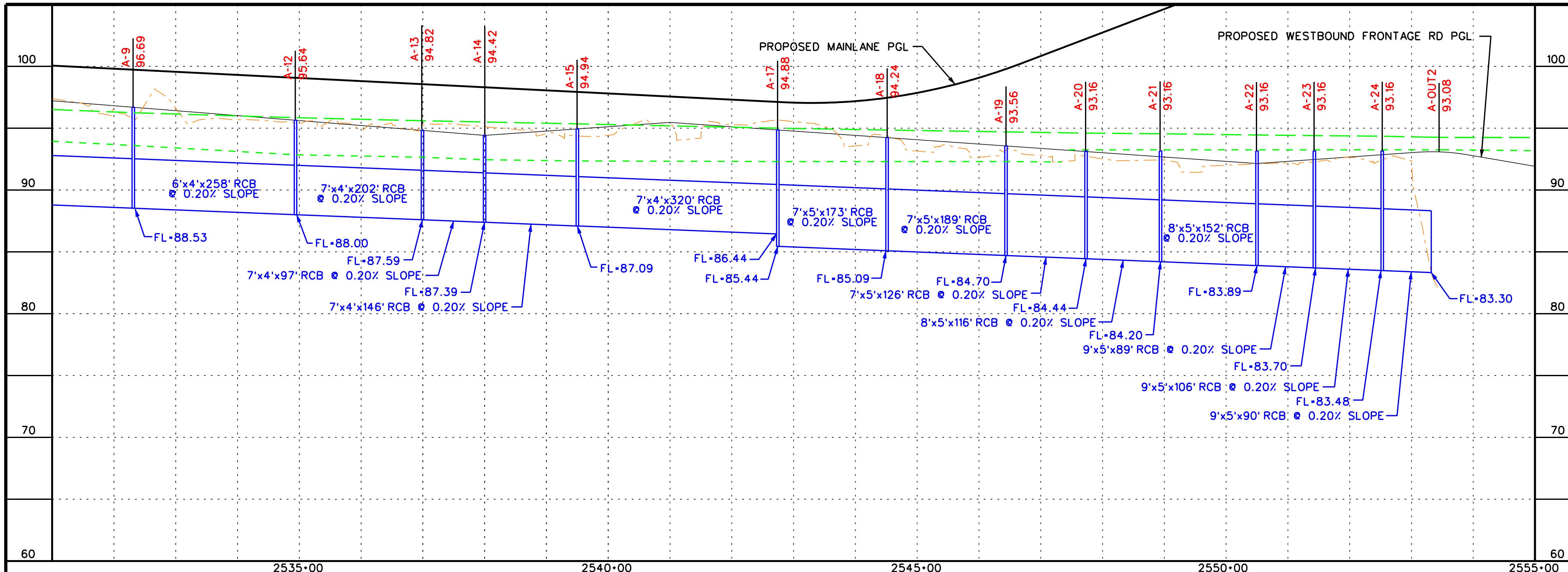

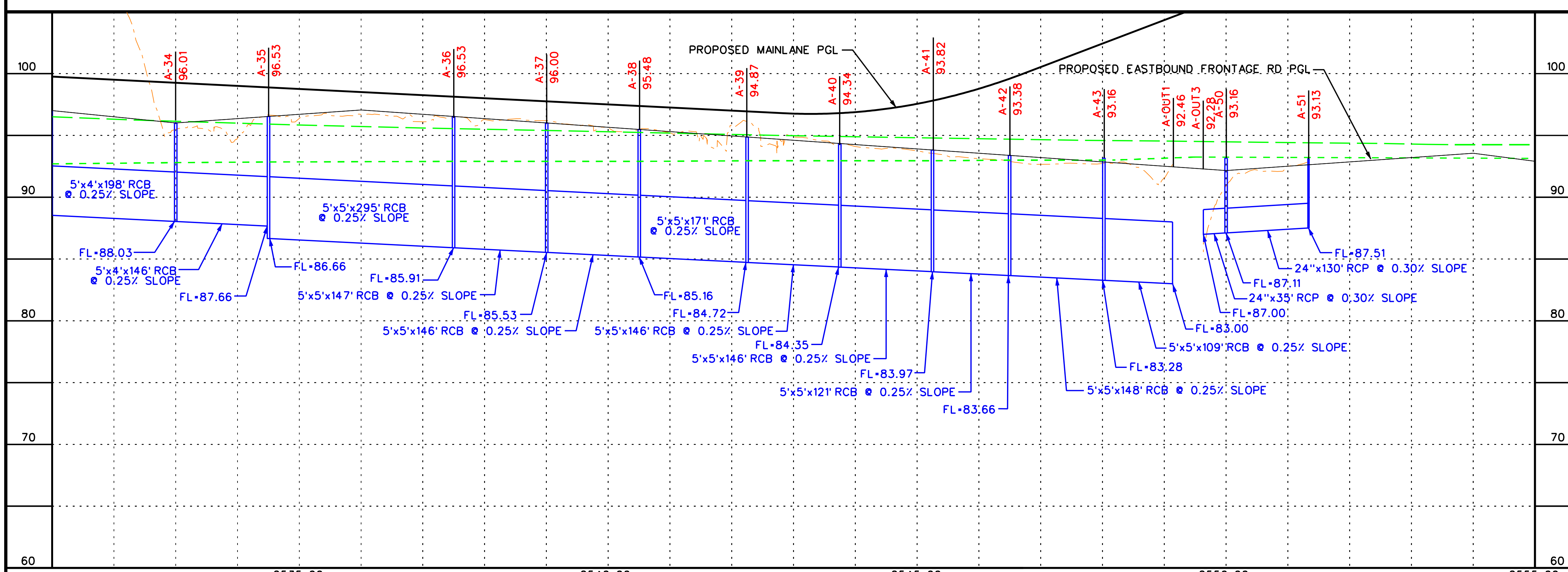

LEGEND

- PROPOSED MAINLANES
- PROPOSED FRONTAGE ROAD
- NATURAL GROUND
- 10-YR HGL
- 100-YR HGL

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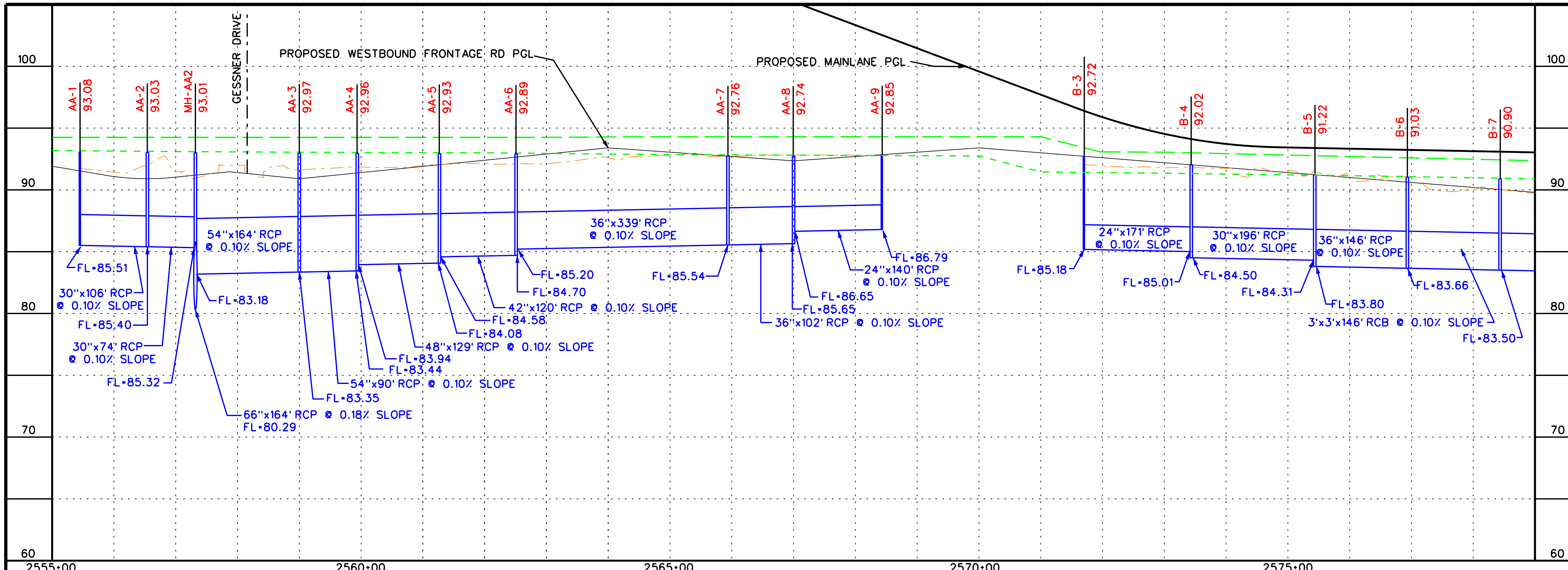
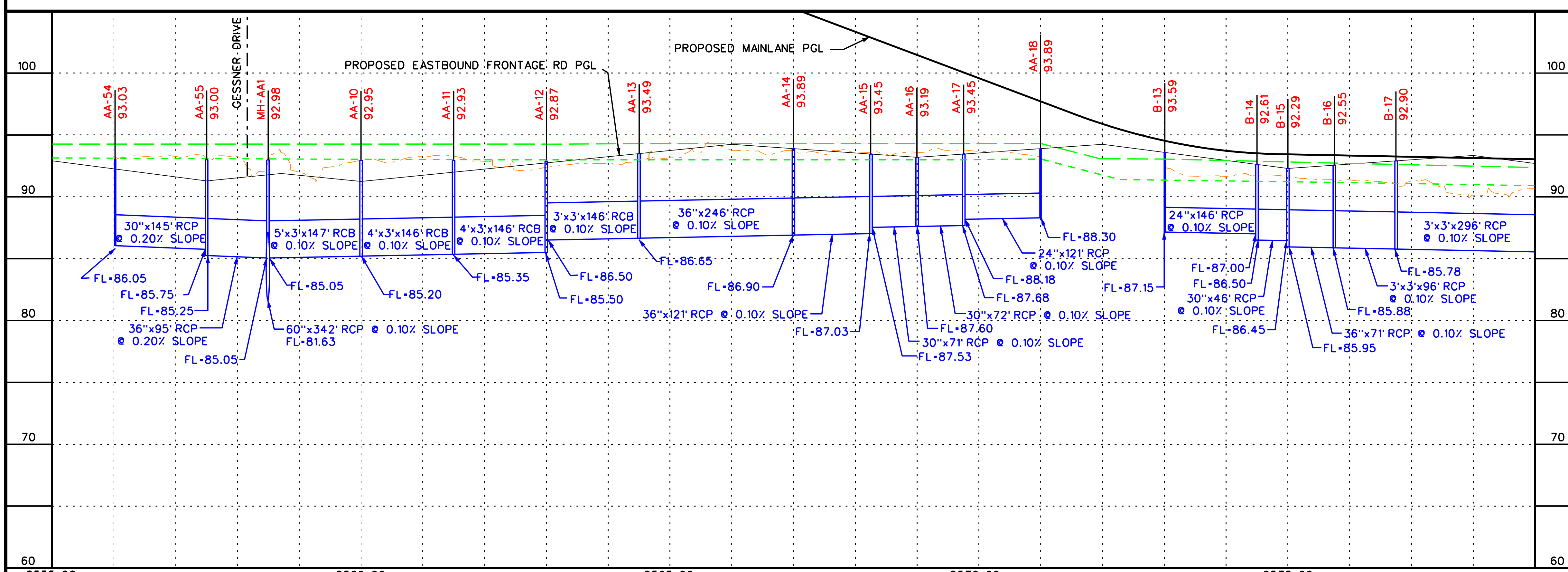


LEGEND

- PROPOSED MAINLANES
- PROPOSED FRONTAGE ROAD
- NATURAL GROUND
- 10-YR HGL
- 100-YR HGL



NOTE: THE HGL PROFILES DRAWN REPRESENT THE CONTROLLING WATER SURFACE PROFILES BETWEEN THE FEMA EFFECTIVE MODEL (WHEN APPLICABLE) AND THE SWMM ANALYSIS.

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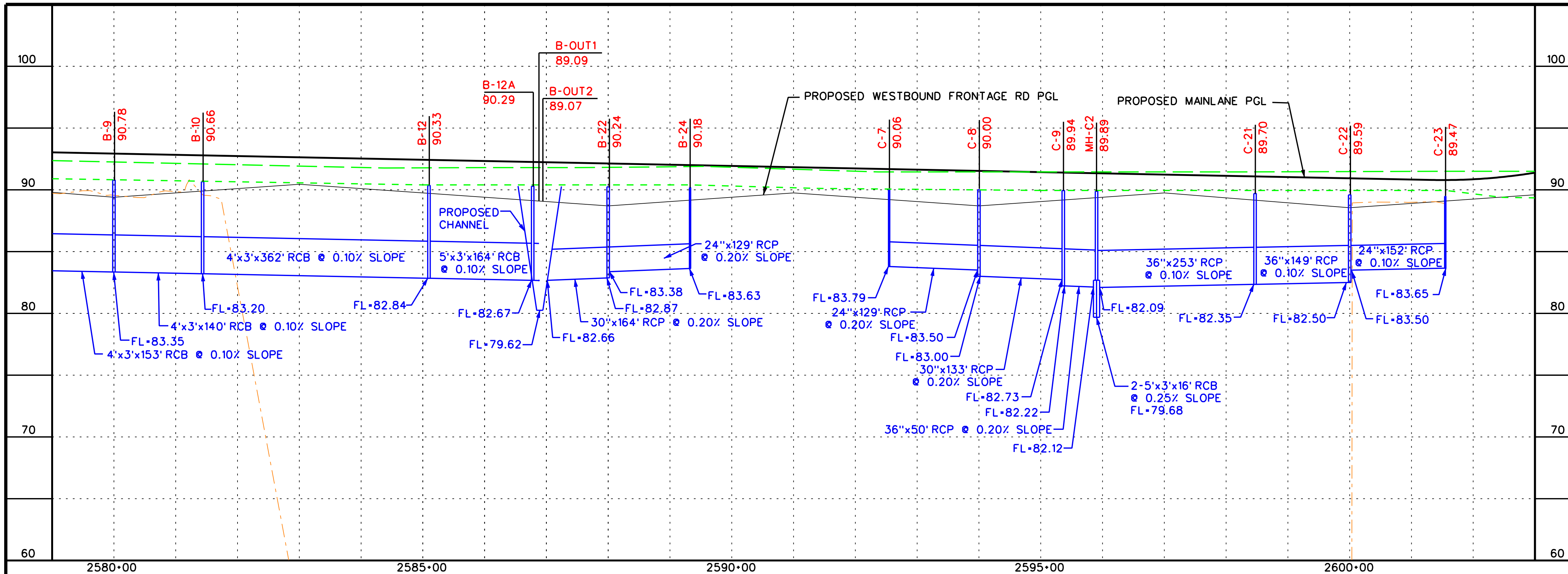

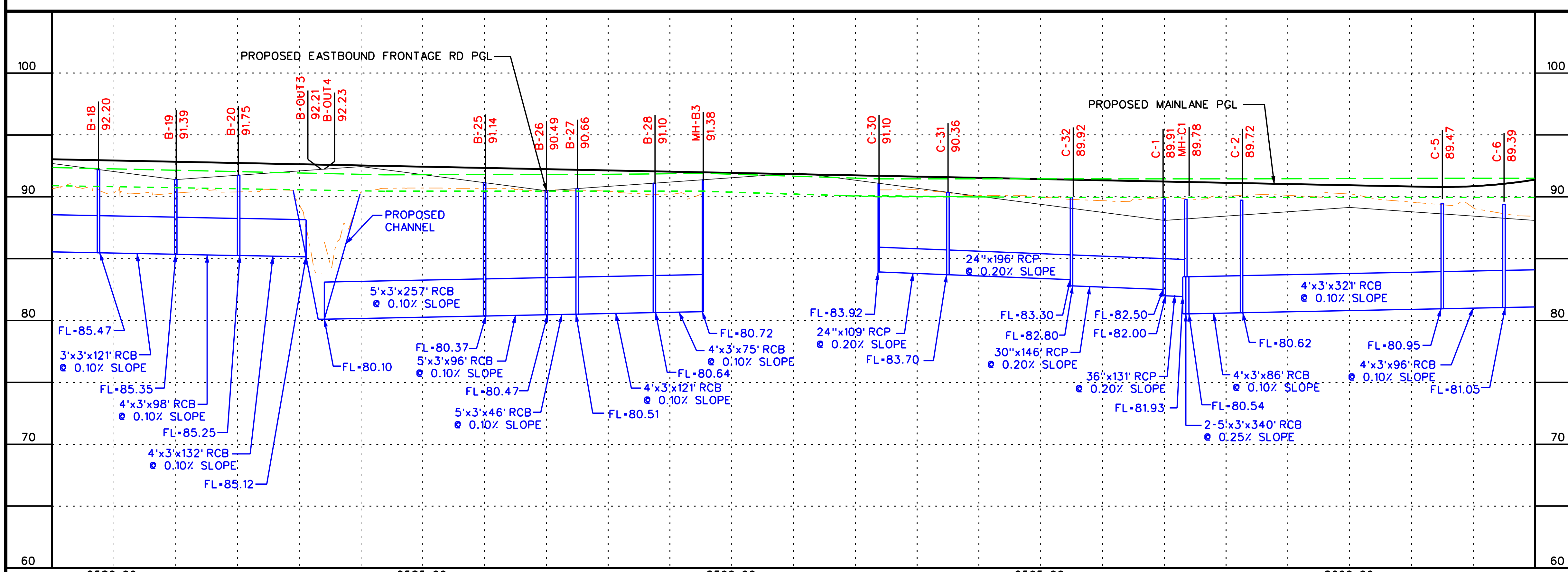

LEGEND

- PROPOSED MAINLANES
- PROPOSED FRONTAGE ROAD
- NATURAL GROUND
- 10-YR HGL
- 100-YR HGL

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SHEET 21 OF 36

10/6/2009

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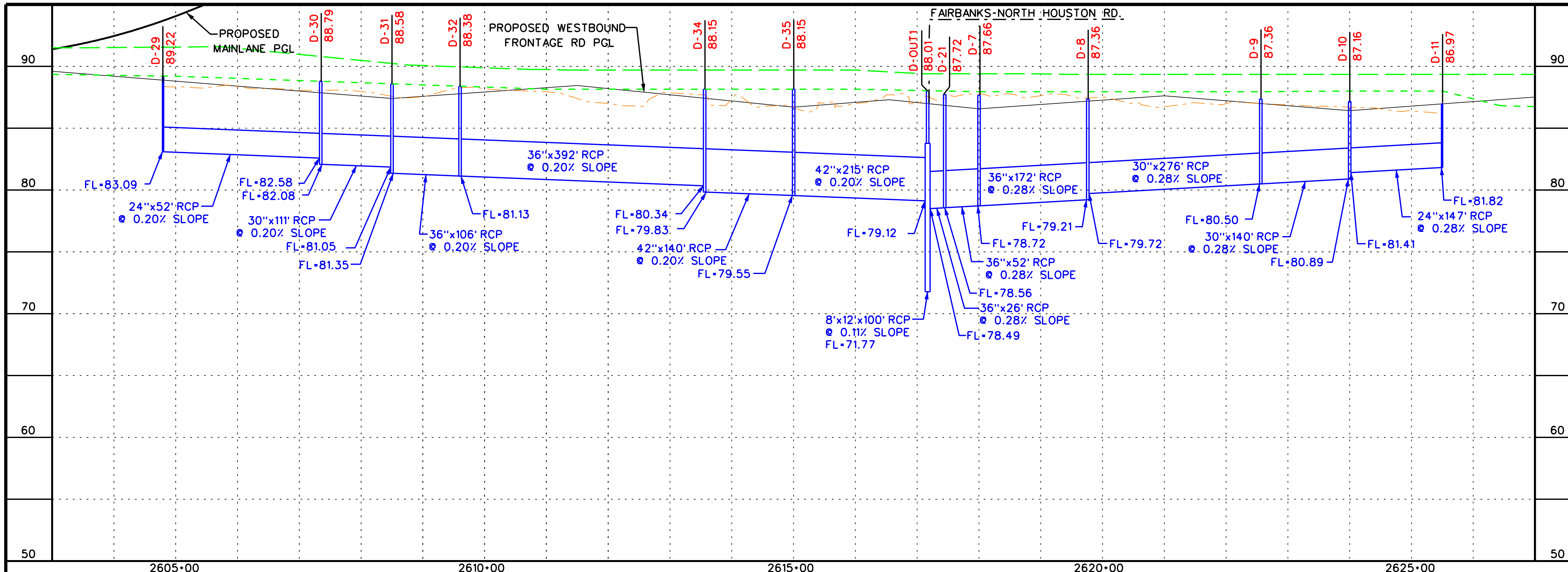

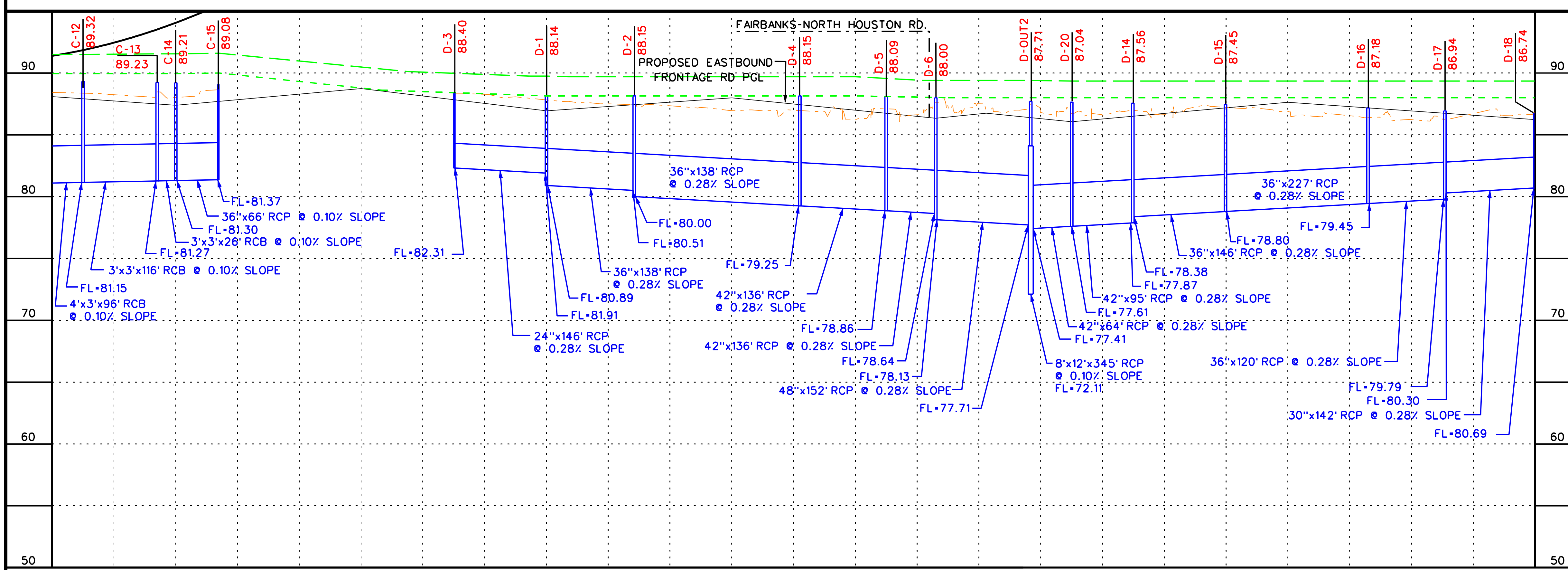

LEGEND

- PROPOSED MAINLANES
- PROPOSED FRONTAGE ROAD
- NATURAL GROUND
- 10-YR HGL
- 100-YR HGL

NOTE: THE HGL PROFILES DRAWN REPRESENT THE CONTROLLING WATER SURFACE PROFILES BETWEEN THE FEMA EFFECTIVE MODEL (WHEN APPLICABLE) AND THE SWMM ANALYSIS.

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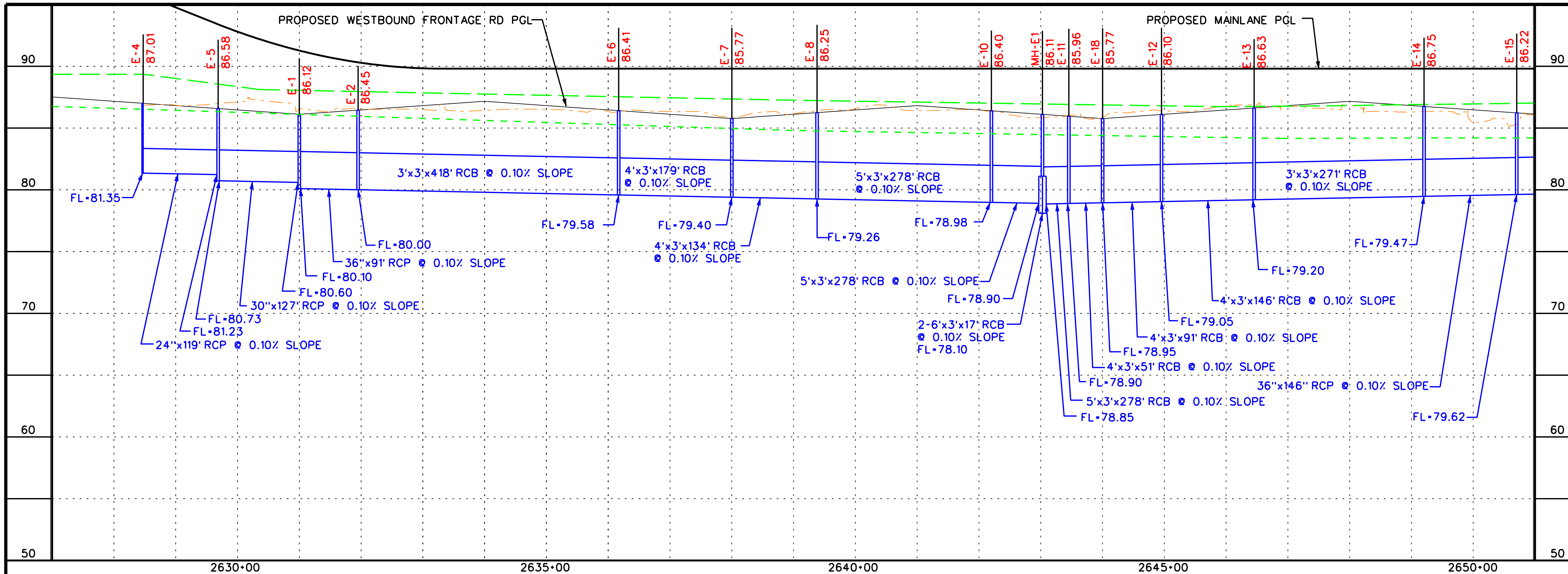
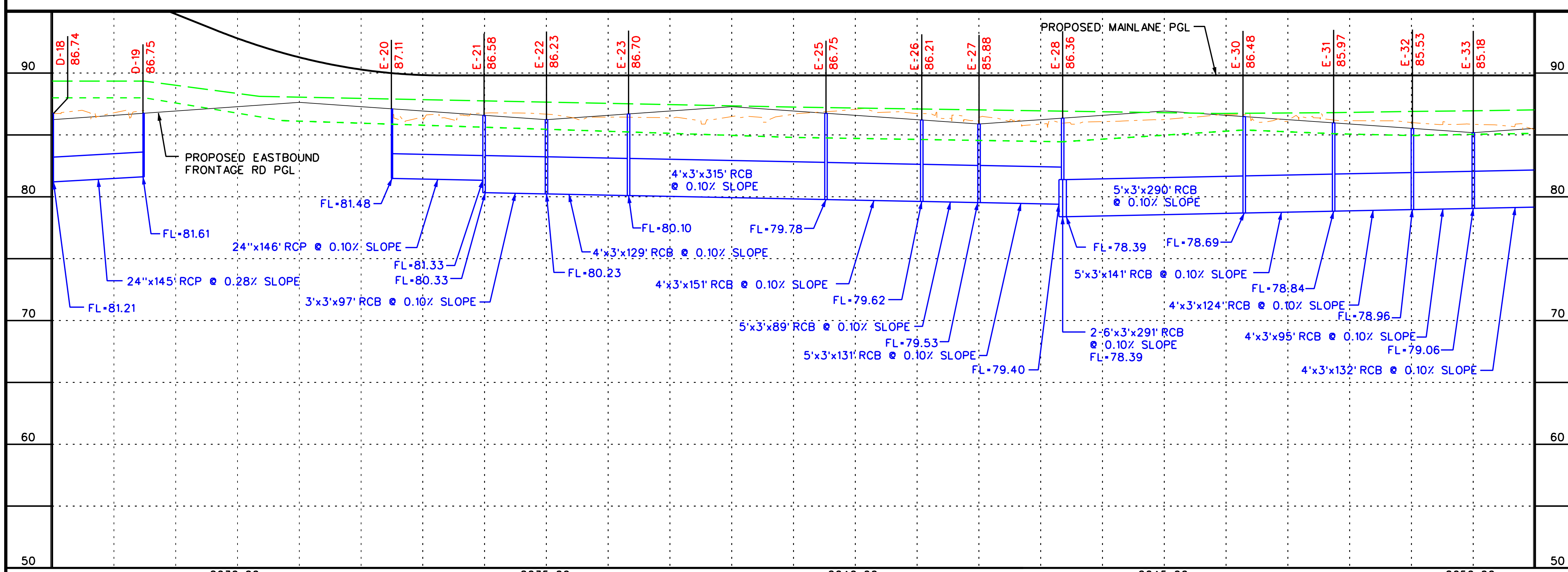


LEGEND

- PROPOSED MAINLANES
- PROPOSED FRONTAGE ROAD
- NATURAL GROUND
- 10-YR HGL
- 100-YR HGL



NOTE: THE HGL PROFILES DRAWN REPRESENT THE CONTROLLING WATER SURFACE PROFILES BETWEEN THE FEMA EFFECTIVE MODEL (WHEN APPLICABLE) AND THE SWMM ANALYSIS.

0 100 200 400
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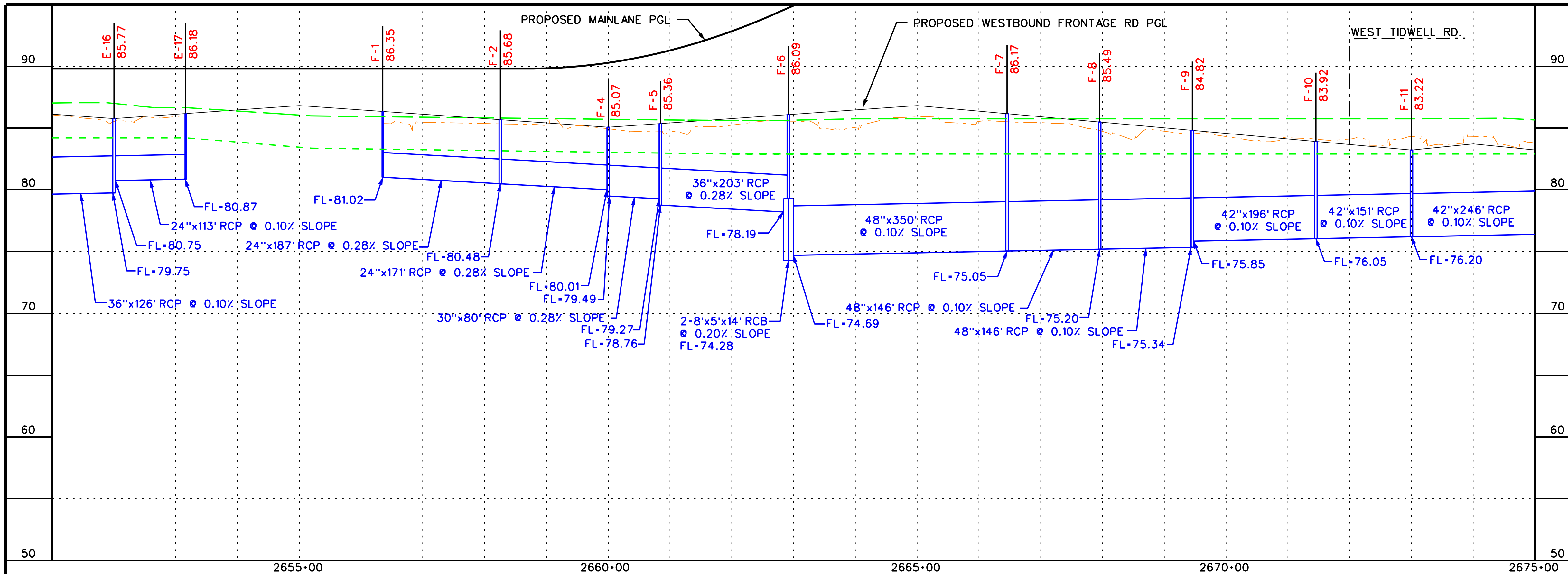
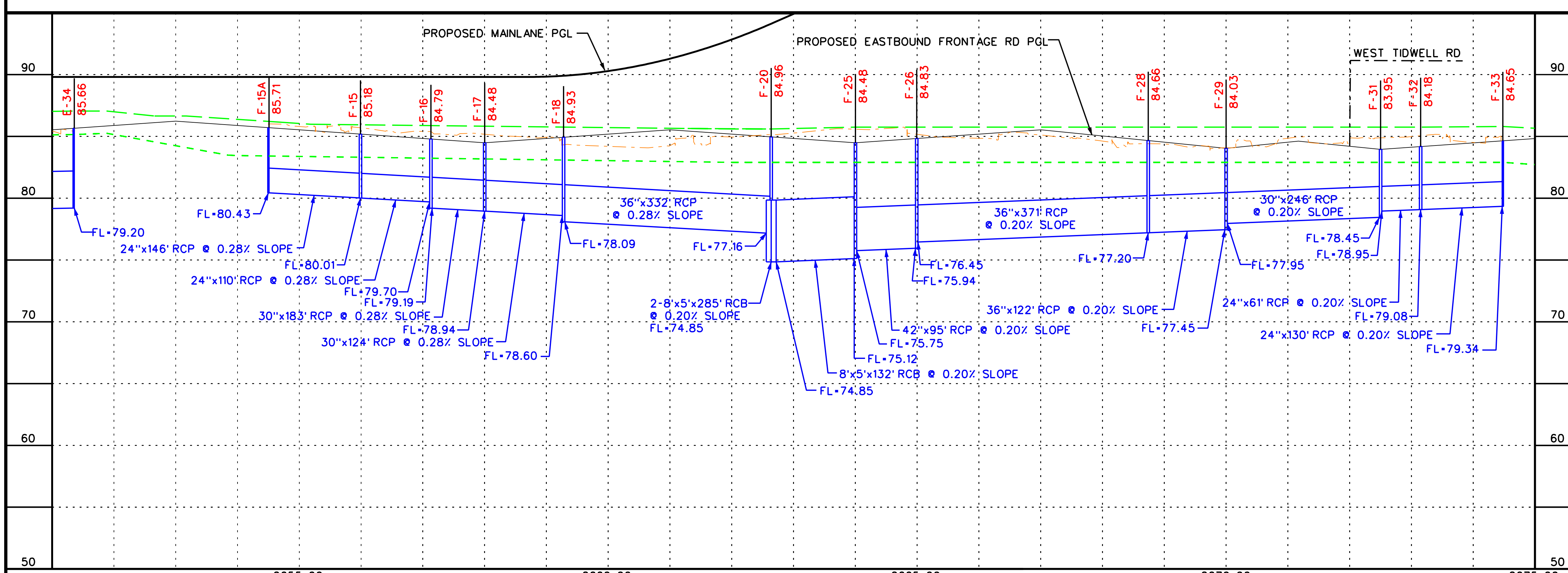


LEGEND

- PROPOSED MAINLANES
- PROPOSED FRONTAGE ROAD
- NATURAL GROUND
- 10-YR HGL
- 100-YR HGL



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0 100 200 400

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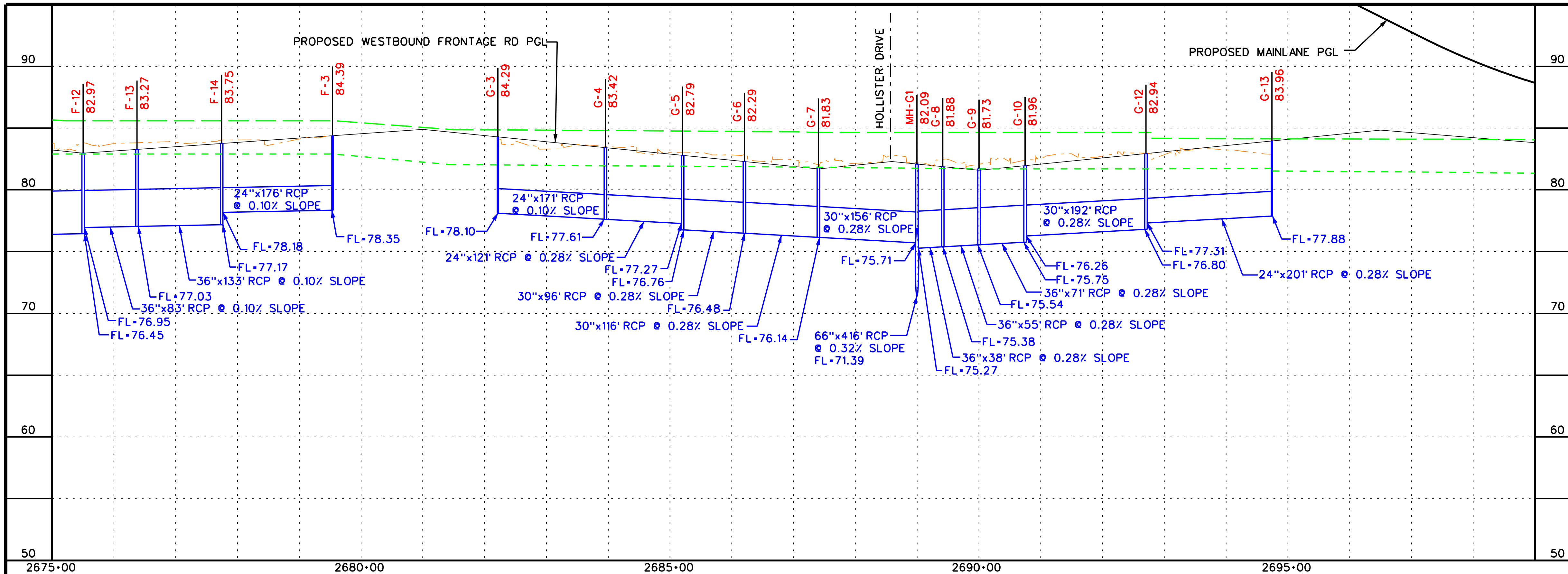

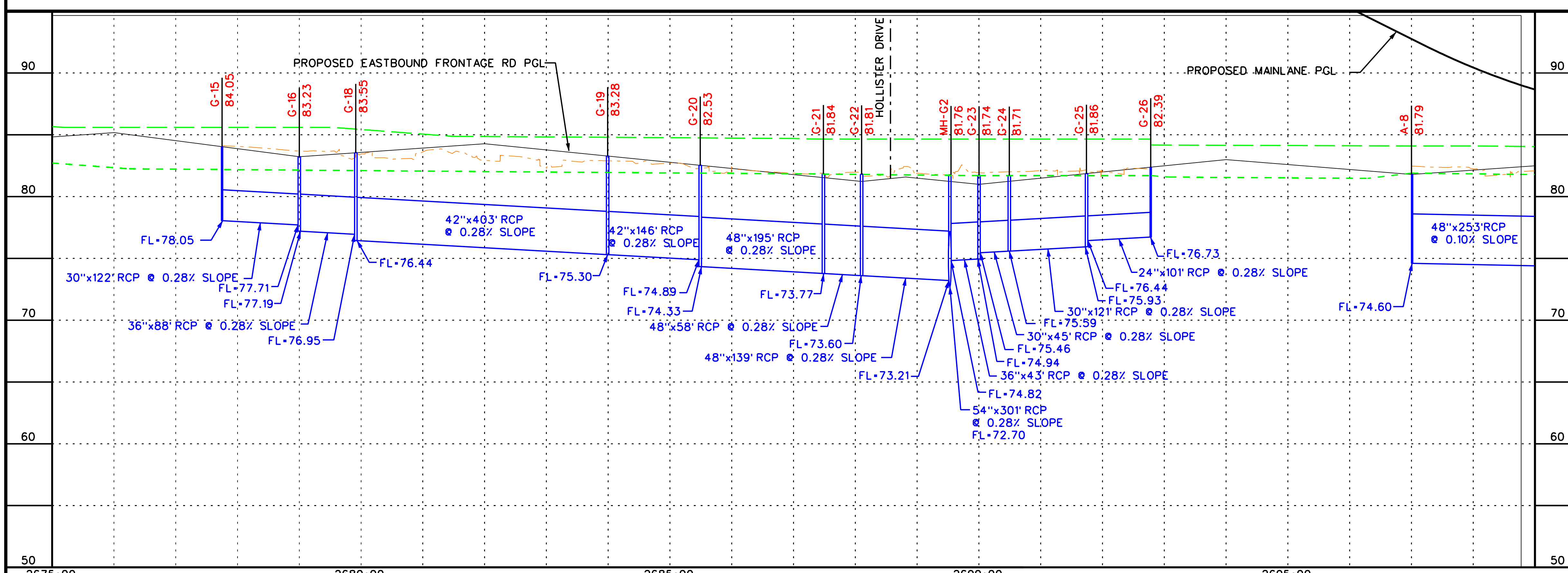

LEGEND

———	PROPOSED MAINLANES
———	PROPOSED FRONTAGE ROAD
–·–·–	NATURAL GROUND
- - - -	10-YR HGL
— — —	100-YR HGL

NOTE: THE HGL PROFILES DRAWN REPRESENT THE CONTROLLING WATER SURFACE PROFILES BETWEEN THE FEMA EFFECTIVE MODEL (WHEN APPLICABLE) AND THE SWMM ANALYSIS.

0 100 200 400

SCALE (H) 1" = 200'
(V) 1" = 10'

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SHEET 25 OF 36

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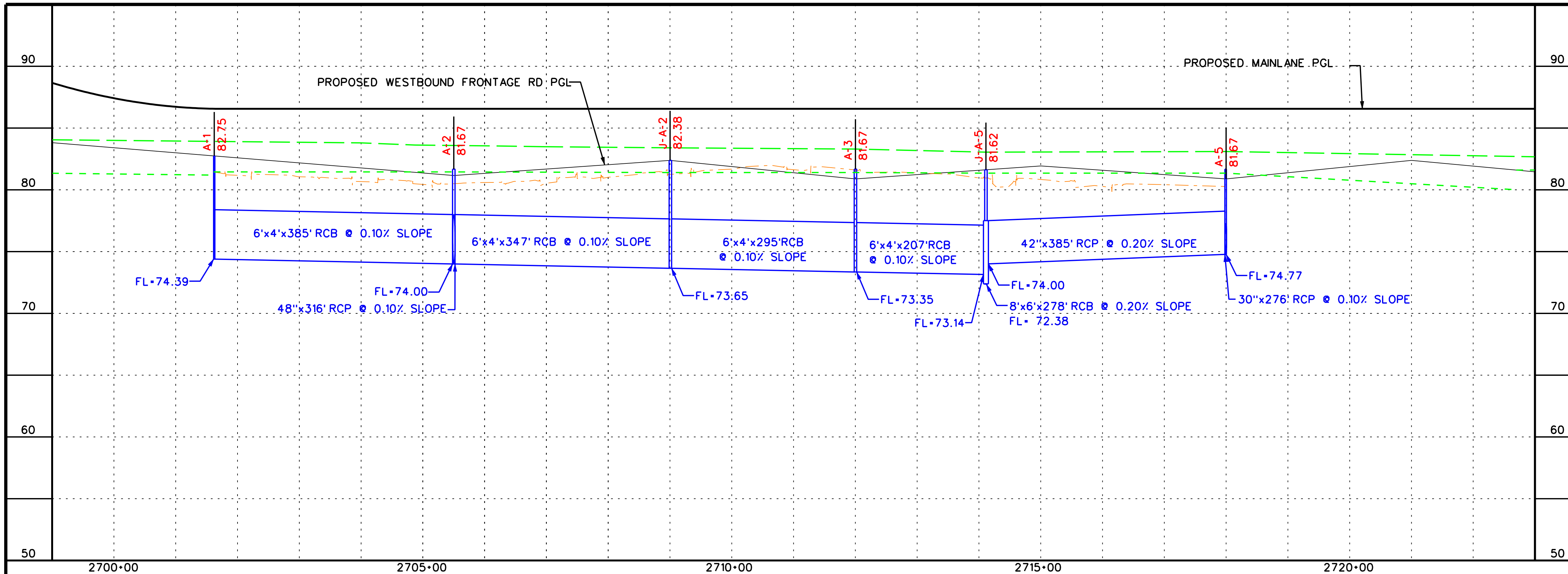

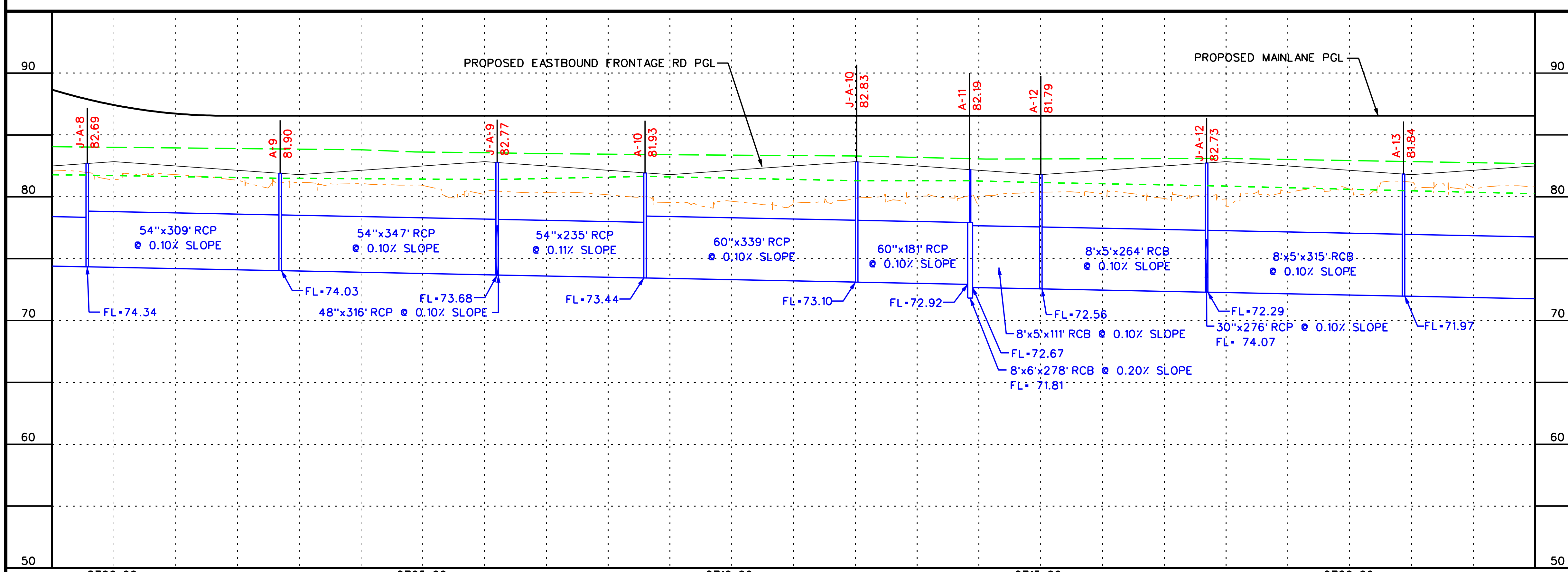

LEGEND

- PROPOSED MAINLANES
- PROPOSED FRONTAGE ROAD
- NATURAL GROUND
- 10-YR HGL
- 100-YR HGL

NOTE: THE HGL PROFILES DRAWN REPRESENT THE CONTROLLING WATER SURFACE PROFILES BETWEEN THE FEMA EFFECTIVE MODEL (WHEN APPLICABLE) AND THE SWMM ANALYSIS.

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SCALE (H) 1" = 200'
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SHEET 26 OF 36

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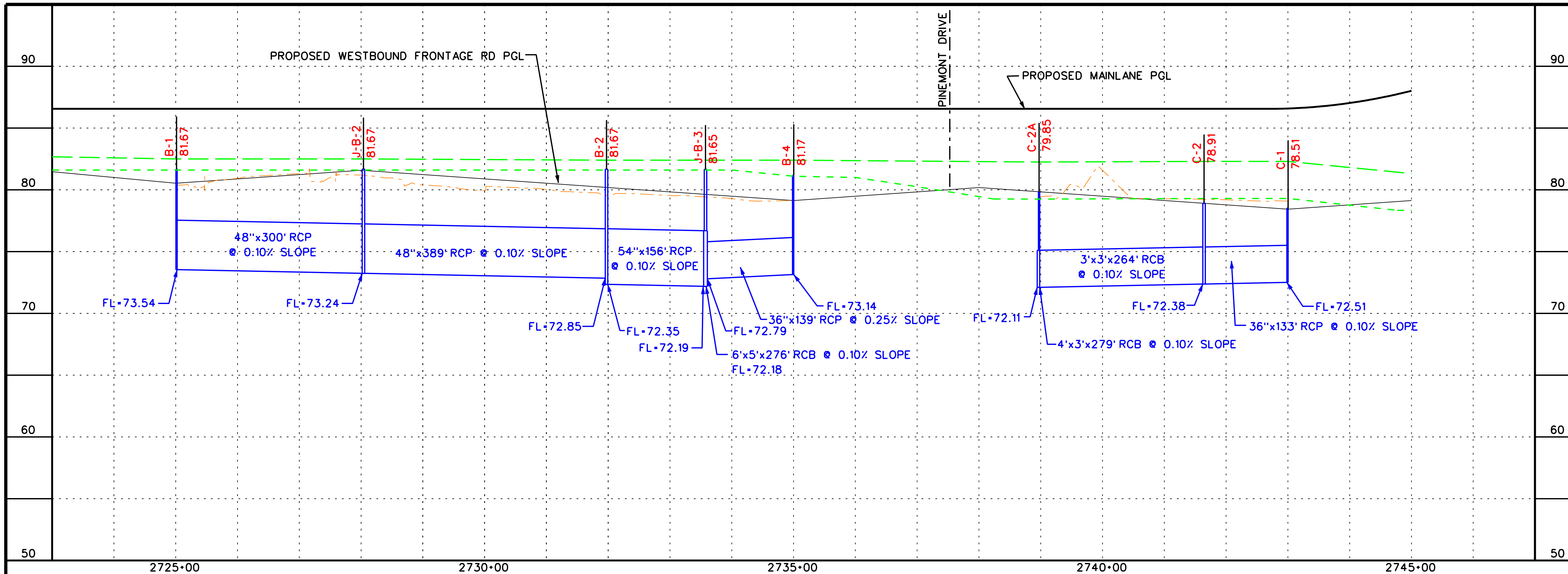

LEGEND

- PROPOSED MAINLANES
- PROPOSED FRONTAGE ROAD
- NATURAL GROUND
- 10-YR HGL
- 100-YR HGL

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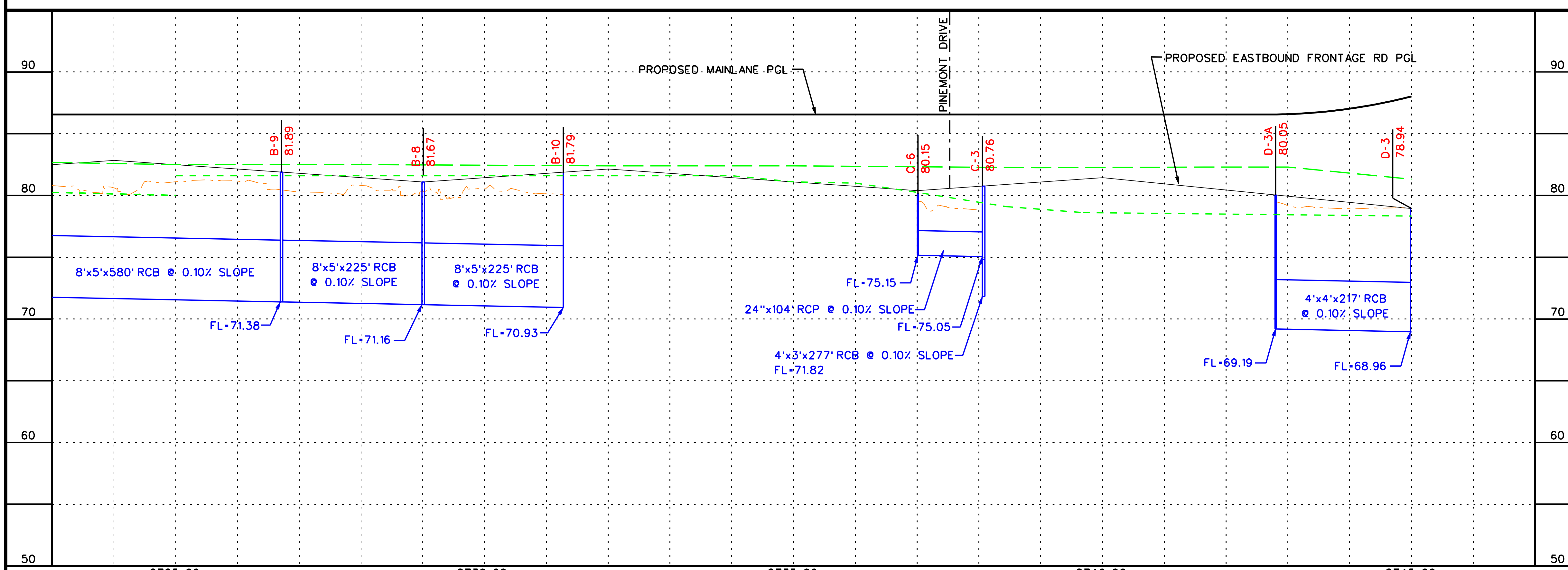

0 100 200 400

SCALE (H) 1" = 200'
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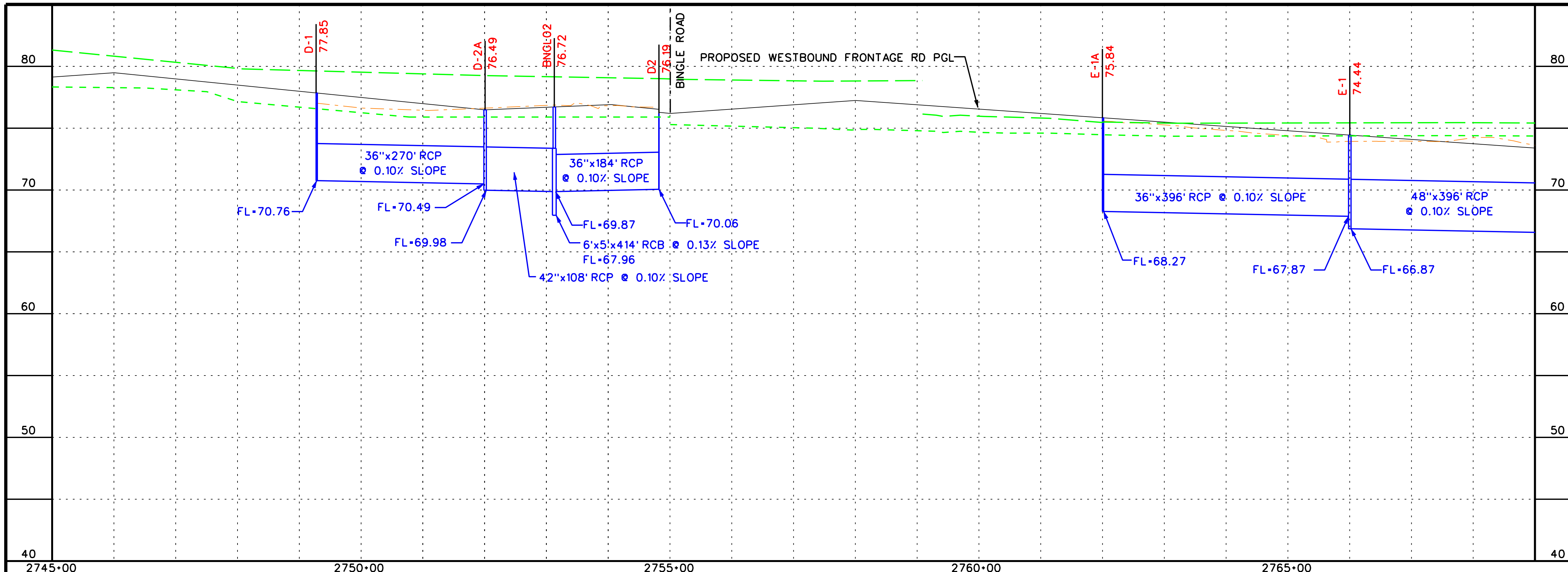
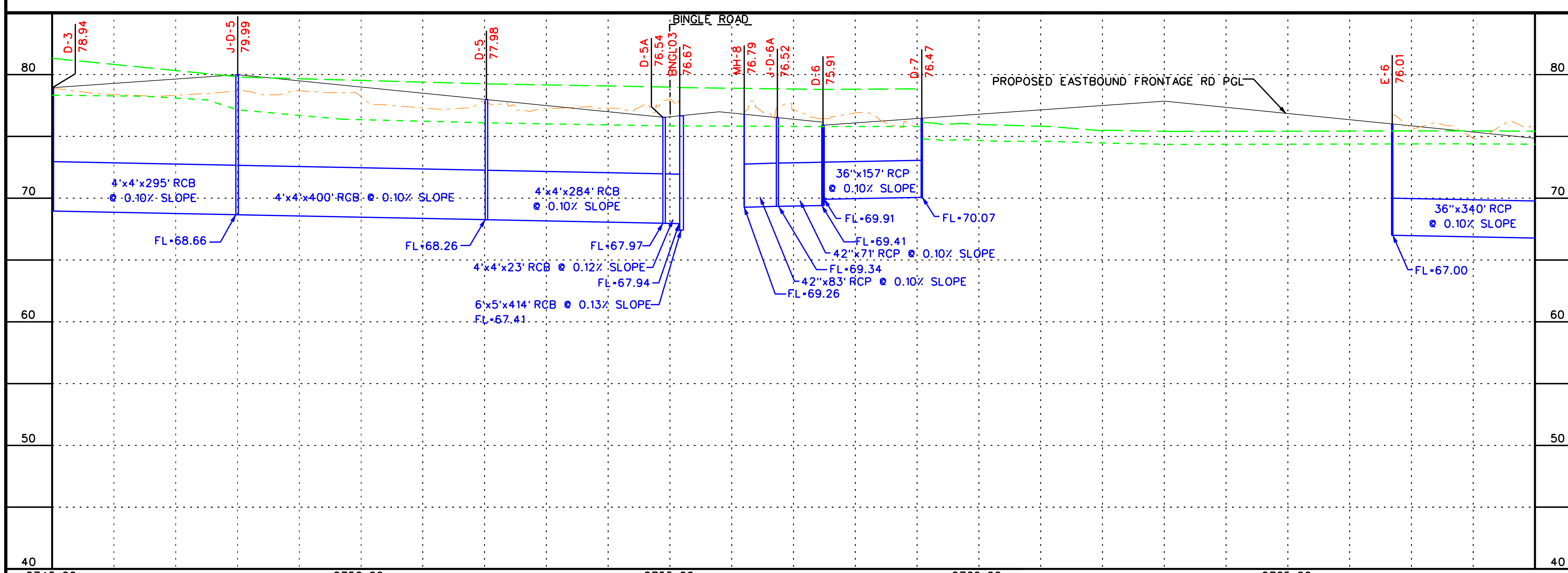


LEGEND

- PROPOSED MAINLANES
- PROPOSED FRONTAGE ROAD
- NATURAL GROUND
- 10-YR HGL
- 100-YR HGL



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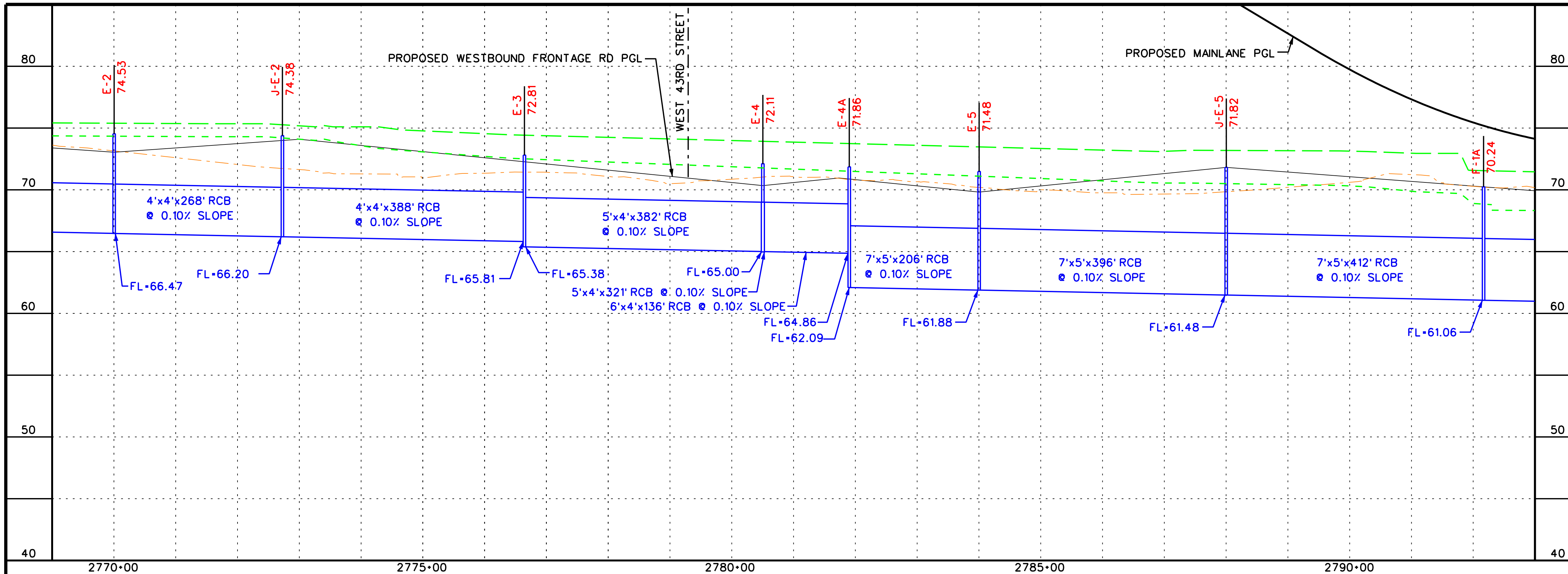
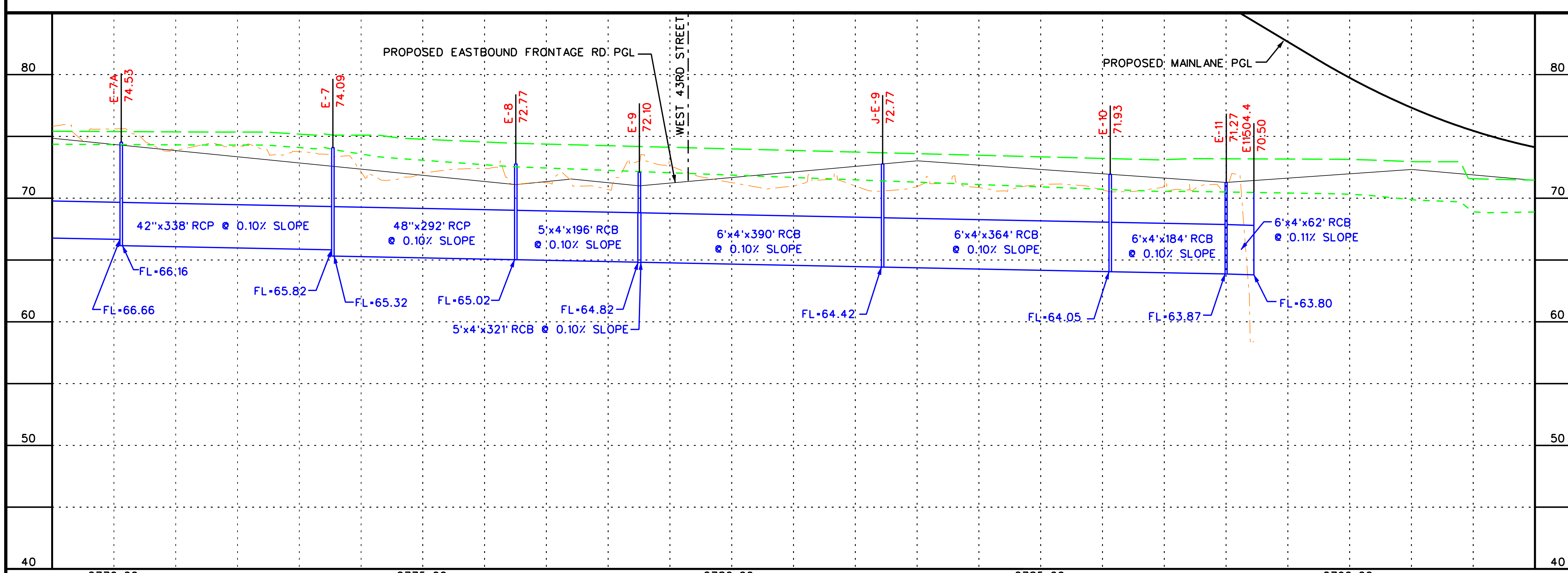


LEGEND

- PROPOSED MAINLANES
- PROPOSED FRONTAGE ROAD
- NATURAL GROUND
- 10-YR HGL
- 100-YR HGL



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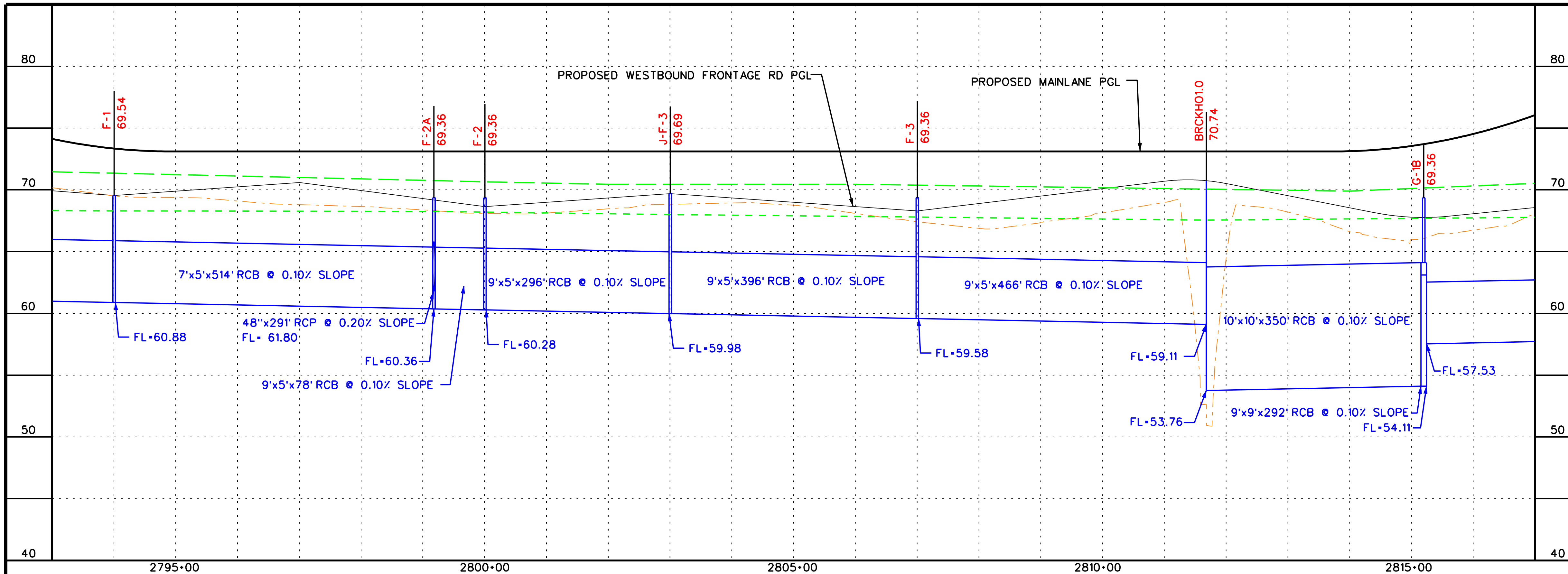

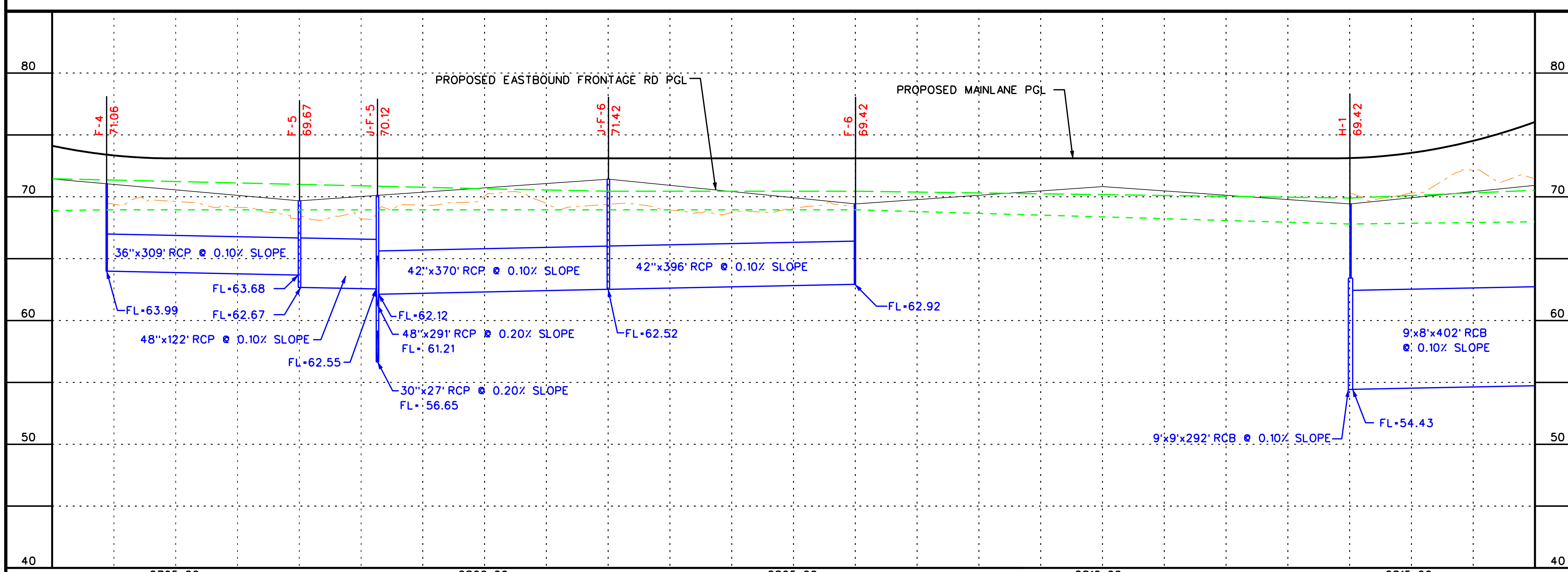

LEGEND

———	PROPOSED MAINLANES
———	PROPOSED FRONTAGE ROAD
— · —	NATURAL GROUND
- - -	10-YR HGL
— —	100-YR HGL

NOTE: THE HGL PROFILES DRAWN REPRESENT THE CONTROLLING WATER SURFACE PROFILES BETWEEN THE FEMA EFFECTIVE MODEL (WHEN APPLICABLE) AND THE SWMM ANALYSIS.

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SHEET 30 OF 36

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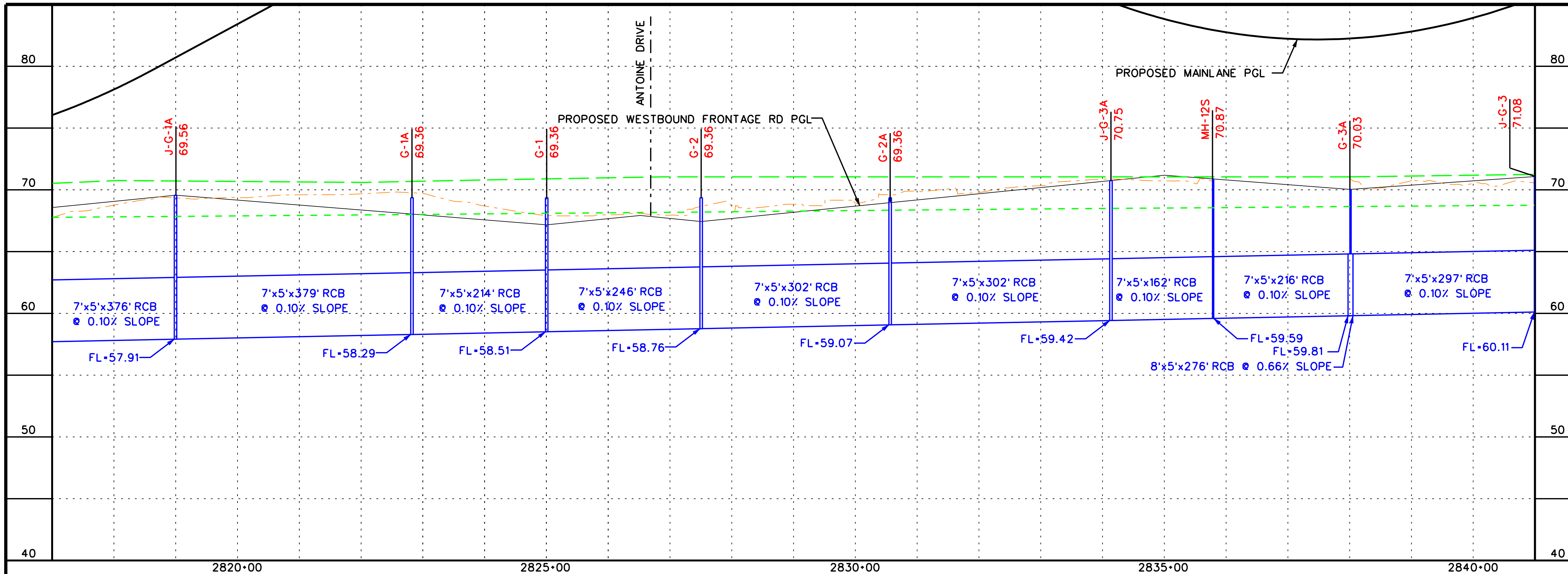

LEGEND

———	PROPOSED MAINLANES
———	PROPOSED FRONTAGE ROAD
-·-·-	NATURAL GROUND
- - -	10-YR HGL
— — —	100-YR HGL

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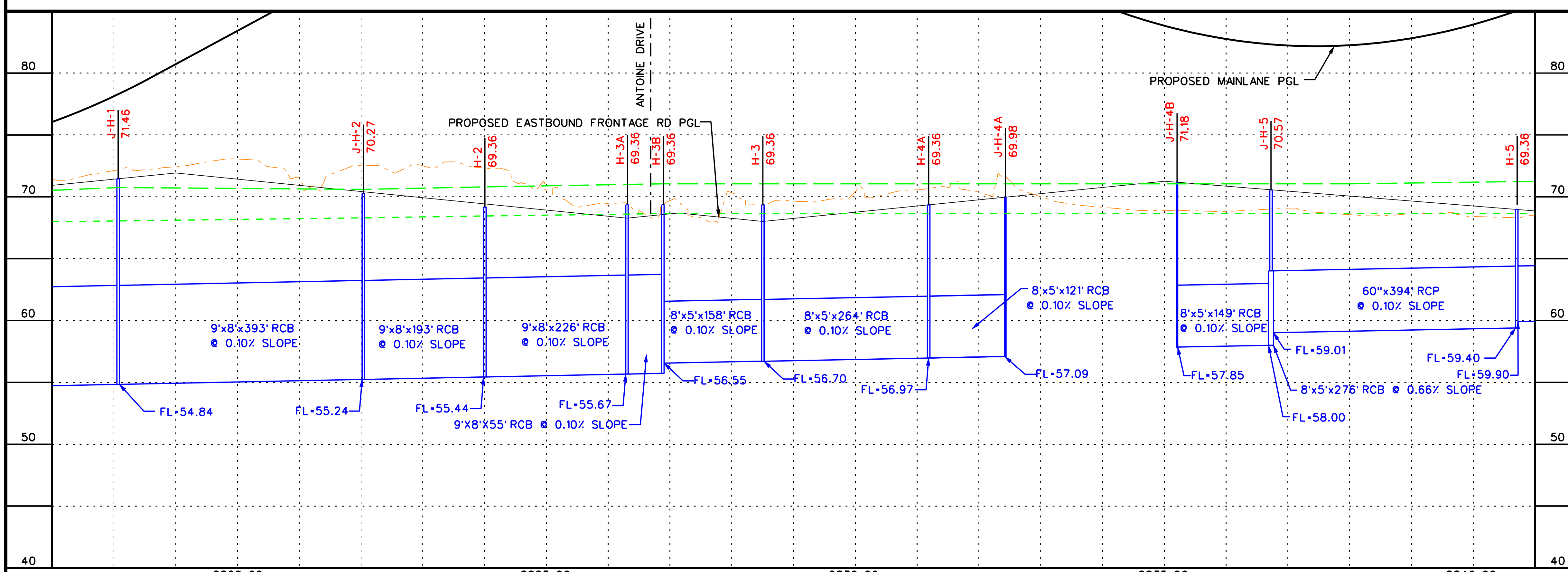

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SCALE (H) 1" = 200'
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10/6/2009

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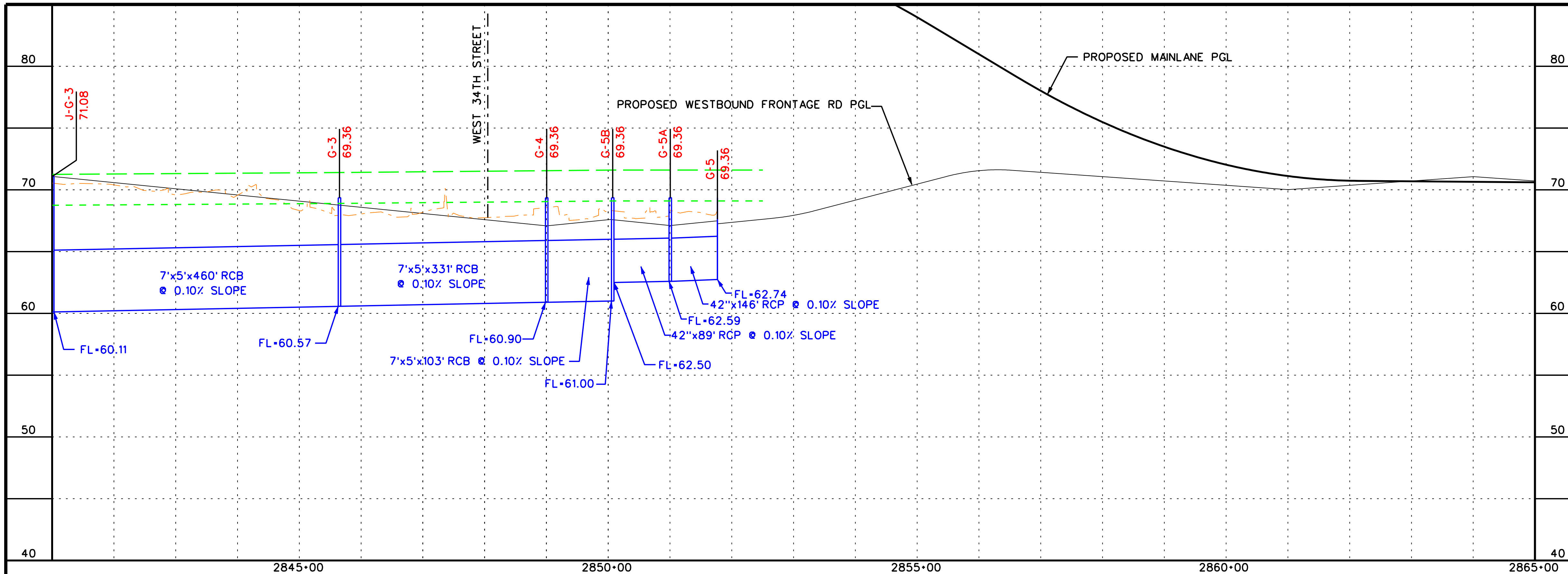

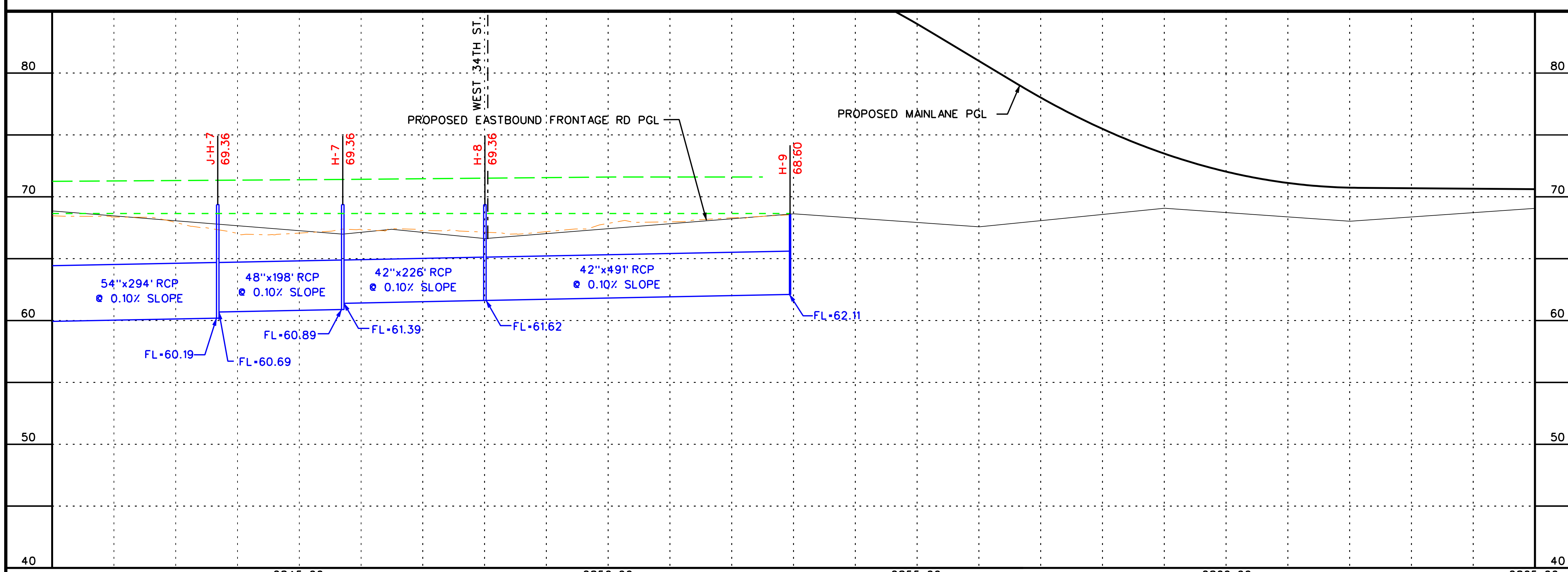

LEGEND

- PROPOSED MAINLANES
- PROPOSED FRONTAGE ROAD
- NATURAL GROUND
- 10-YR HGL
- 100-YR HGL

NOTE: THE HGL PROFILES DRAWN REPRESENT THE CONTROLLING WATER SURFACE PROFILES BETWEEN THE FEMA EFFECTIVE MODEL (WHEN APPLICABLE) AND THE SWMM ANALYSIS.

0 100 200 400
SCALE (H) 1" = 200'
(V) 1" = 10'

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PROPOSED STORMSEWER PROFILES

SHEET 32 OF 36

10/6/2009 | EXHIBIT 8

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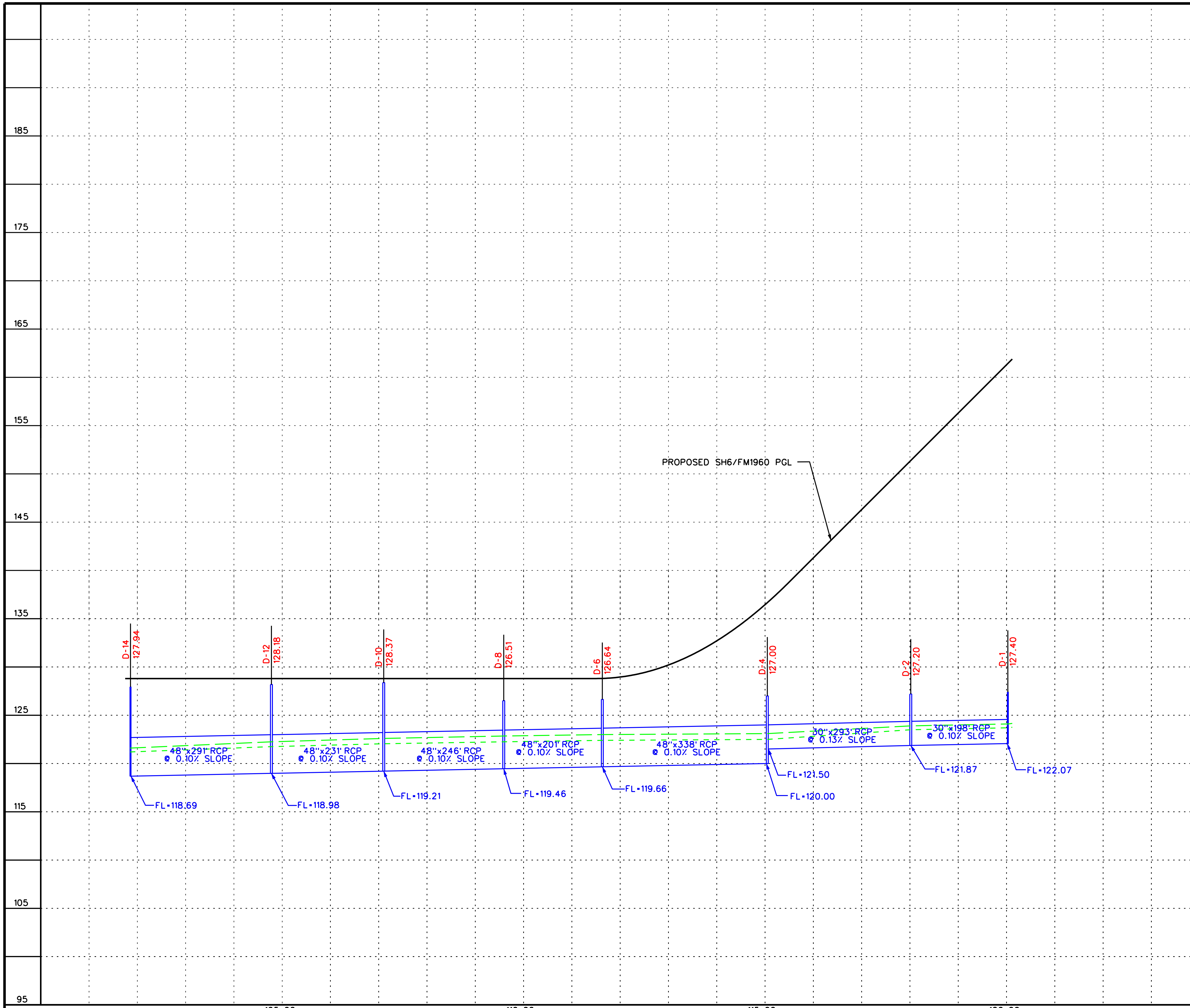

LEGEND

- PROPOSED MAINLANES
- PROPOSED FRONTAGE ROAD
- NATURAL GROUND
- 10-YR HGL
- 100-YR HGL

NOTE: THE HGL PROFILES DRAWN REPRESENT THE CONTROLLING WATER SURFACE PROFILES BETWEEN THE FEMA EFFECTIVE MODEL (WHEN APPLICABLE) AND THE SWMM ANALYSIS.

0 100 200 400

SCALE (H) 1" = 200'
(V) 1" = 10'

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SHEET 33A OF 36

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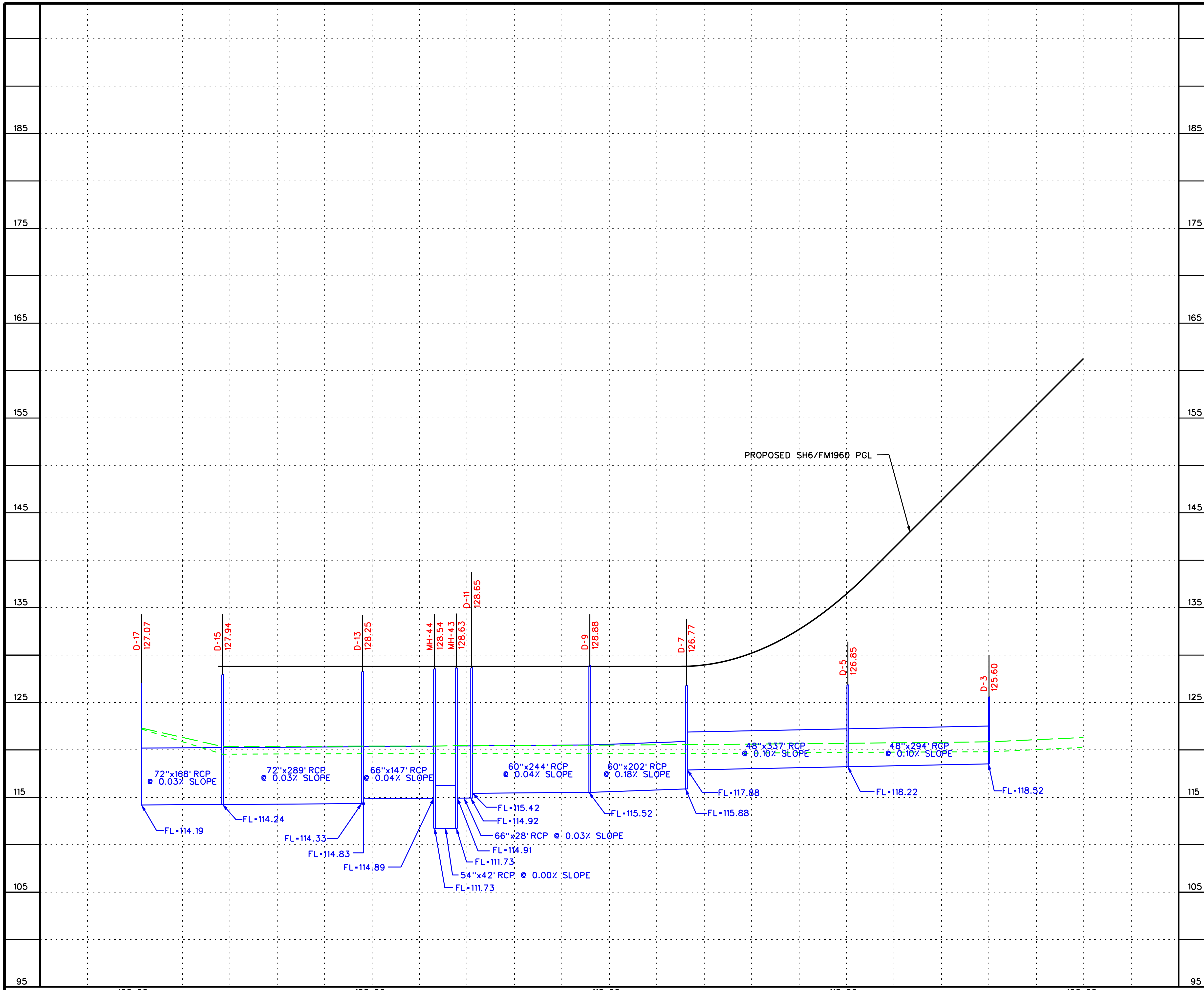

NOTE: THE HGL PROFILES DRAWN REPRESENT THE CONTROLLING WATER SURFACE PROFILES BETWEEN THE FEMA EFFECTIVE MODEL (WHEN APPLICABLE) AND THE SWMM ANALYSIS.

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PROPOSED STORMSEWER PROFILES

SHEET 33B OF 36

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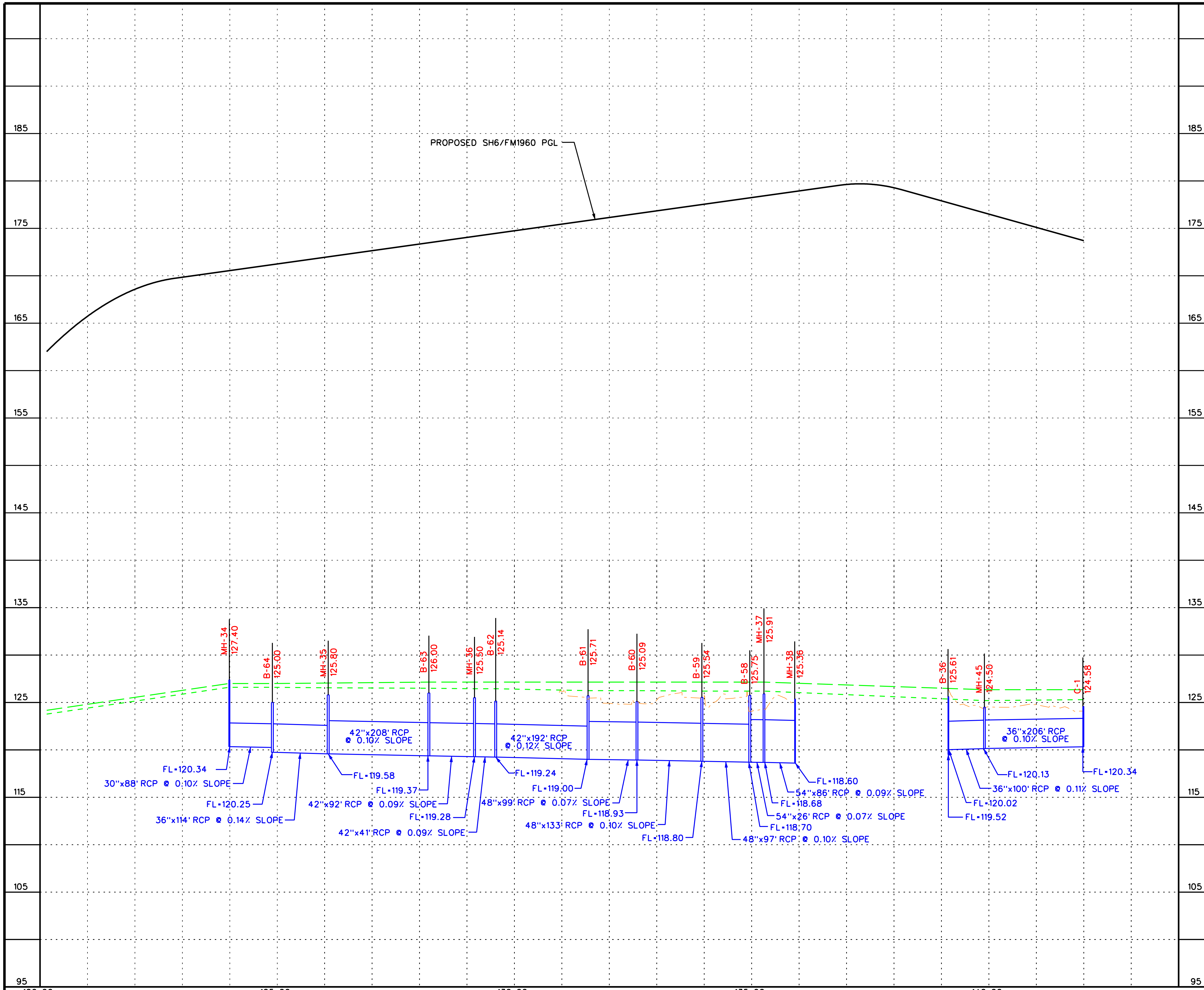

LEGEND

- PROPOSED MAINLANES
- PROPOSED FRONTAGE ROAD
- NATURAL GROUND
- 10-YR HGL
- 100-YR HGL

NOTE: THE HGL PROFILES DRAWN REPRESENT THE CONTROLLING WATER SURFACE PROFILES BETWEEN THE FEMA EFFECTIVE MODEL (WHEN APPLICABLE) AND THE SWMM ANALYSIS.

0 100 200 400

SCALE (H) 1" = 200'
(V) 1" = 10'

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PROPOSED STORMSEWER PROFILES

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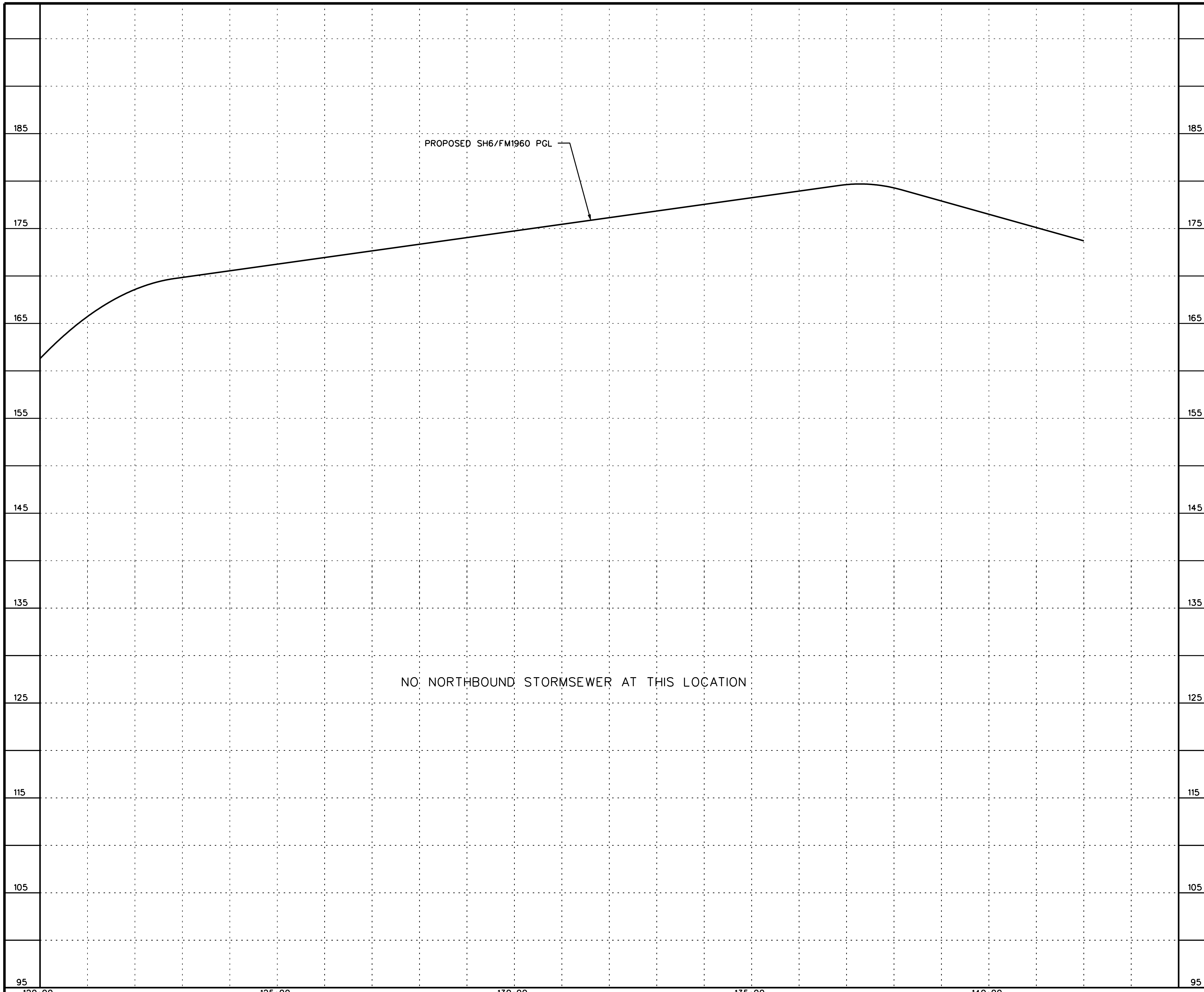

LEGEND

———	PROPOSED MAINLANES
———	PROPOSED FRONTAGE ROAD
— · — · —	NATURAL GROUND
- - - - -	10-YR HGL
— — —	100-YR HGL

NOTE: THE HGL PROFILES DRAWN REPRESENT THE CONTROLLING WATER SURFACE PROFILES BETWEEN THE FEMA EFFECTIVE MODEL (WHEN APPLICABLE) AND THE SWMM ANALYSIS.

0 100 200 400

SCALE (H) 1" = 200'
(V) 1" = 10'

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PROPOSED STORMSEWER PROFILES

SHEET 34B OF 36

12/3/2009

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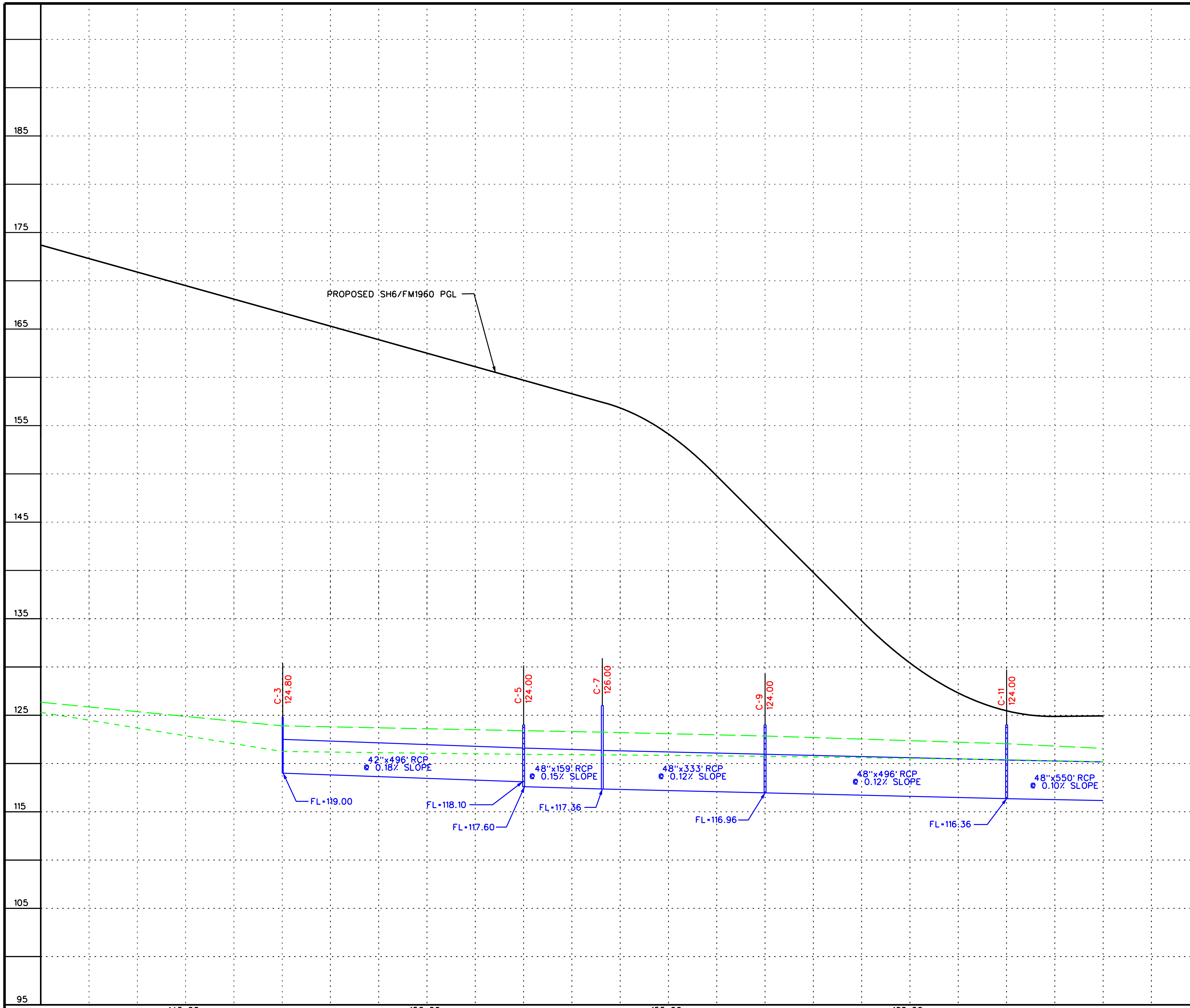

LEGEND

- PROPOSED MAINLANES
- PROPOSED FRONTAGE ROAD
- NATURAL GROUND
- 10-YR HGL
- 100-YR HGL

NOTE: THE HGL PROFILES DRAWN REPRESENT THE CONTROLLING WATER SURFACE PROFILES BETWEEN THE FEMA EFFECTIVE MODEL (WHEN APPLICABLE) AND THE SWMM ANALYSIS.

0 100 200 400

SCALE (H) 1" = 200'
(V) 1" = 10'

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PROPOSED STORMSEWER PROFILES

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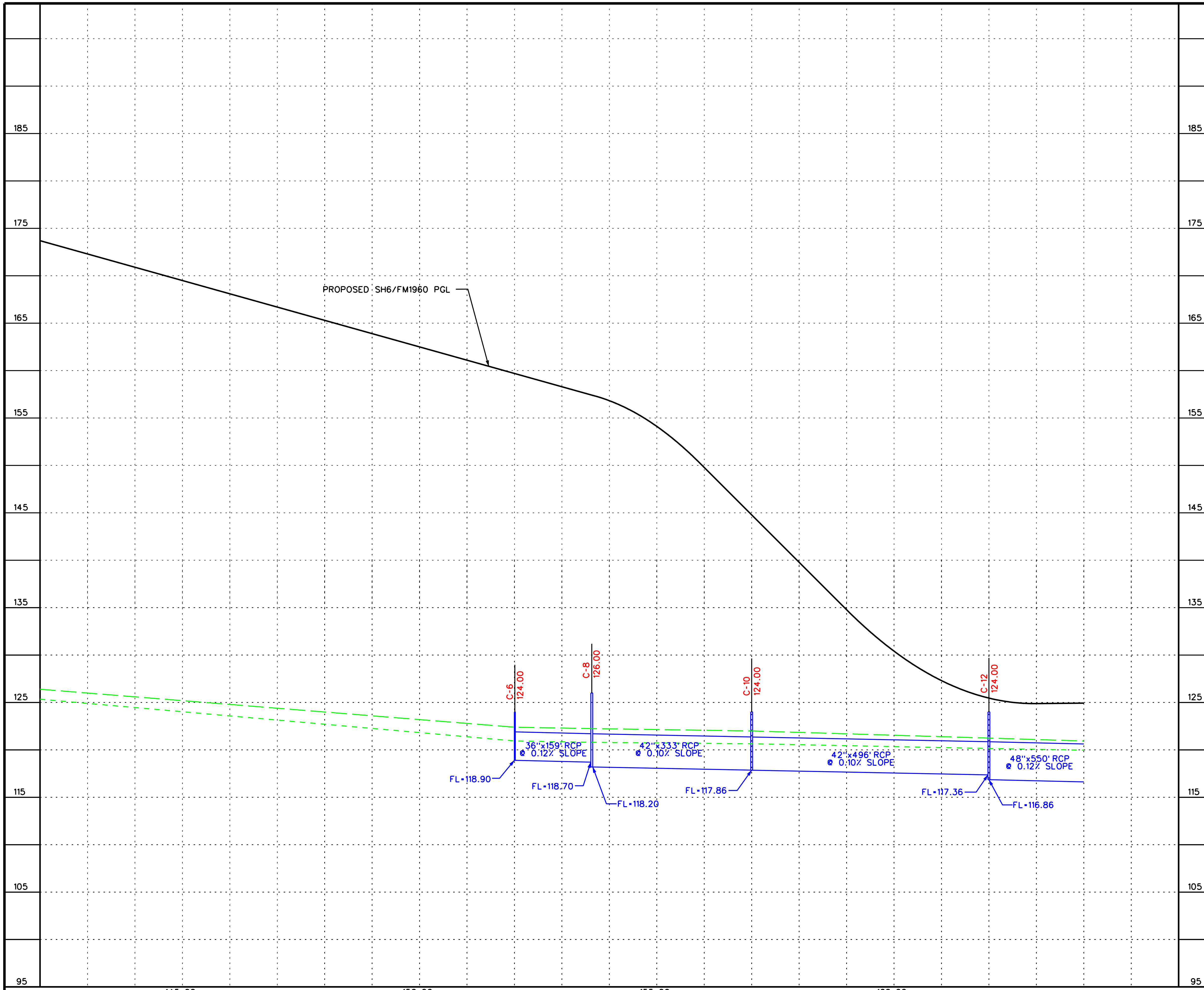

LEGEND

- PROPOSED MAINLANES
- PROPOSED FRONTAGE ROAD
- NATURAL GROUND
- 10-YR HGL
- 100-YR HGL

NOTE: THE HGL PROFILES DRAWN REPRESENT THE CONTROLLING WATER SURFACE PROFILES BETWEEN THE FEMA EFFECTIVE MODEL (WHEN APPLICABLE) AND THE SWMM ANALYSIS.

0 100 200 400

SCALE (H) 1" = 200'
(V) 1" = 10'

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PROPOSED STORMSEWER PROFILES

SHEET 35B OF 36

12/3/2009 | EXHIBIT 8

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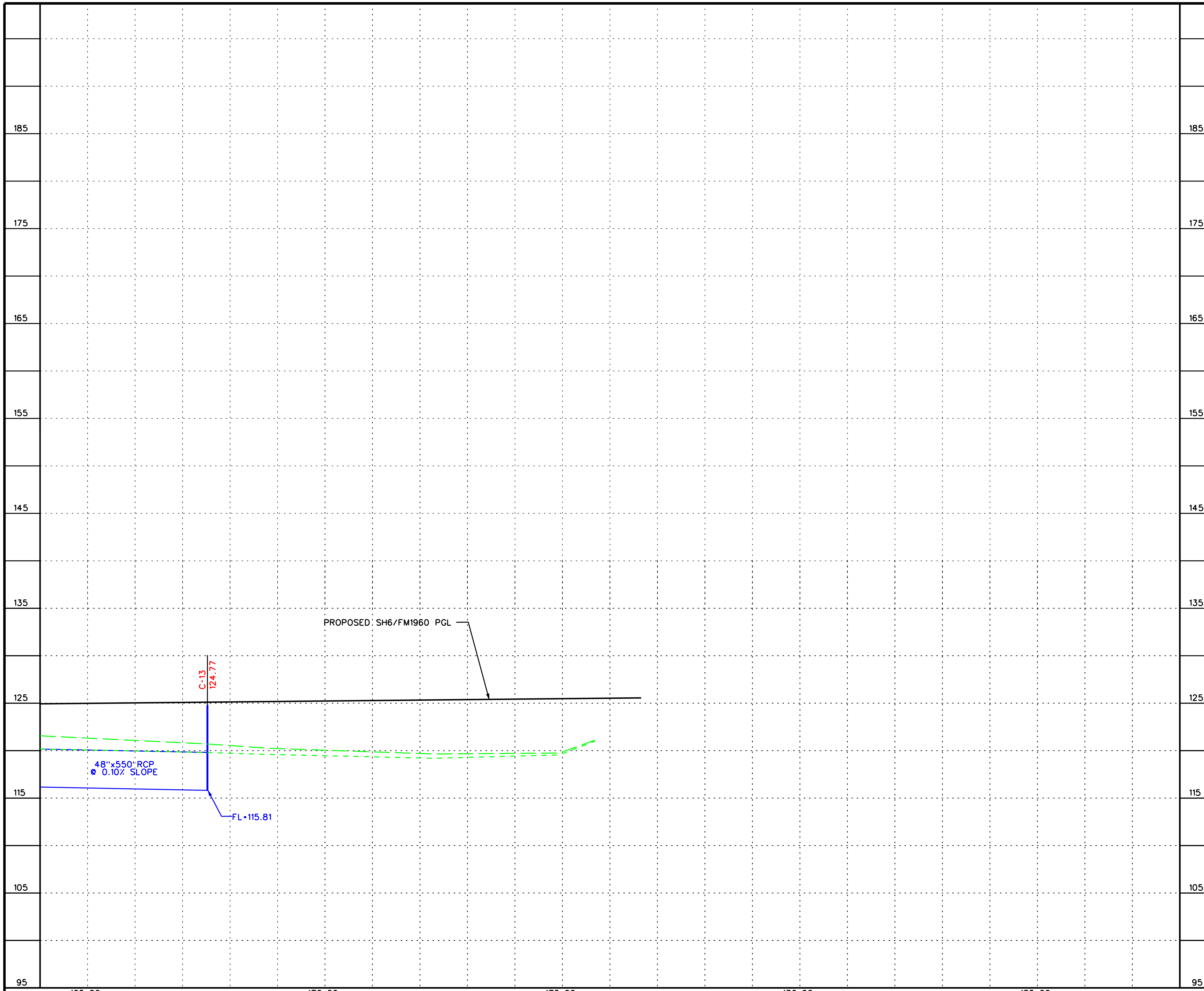

LEGEND

- PROPOSED MAINLANES
- PROPOSED FRONTAGE ROAD
- NATURAL GROUND
- 10-YR HGL
- 100-YR HGL

NOTE: THE HGL PROFILES DRAWN REPRESENT THE CONTROLLING WATER SURFACE PROFILES BETWEEN THE FEMA EFFECTIVE MODEL (WHEN APPLICABLE) AND THE SWMM ANALYSIS.

0 100 200 400

SCALE (H) 1" = 200'
(V) 1" = 10'

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SHEET 36A OF 36

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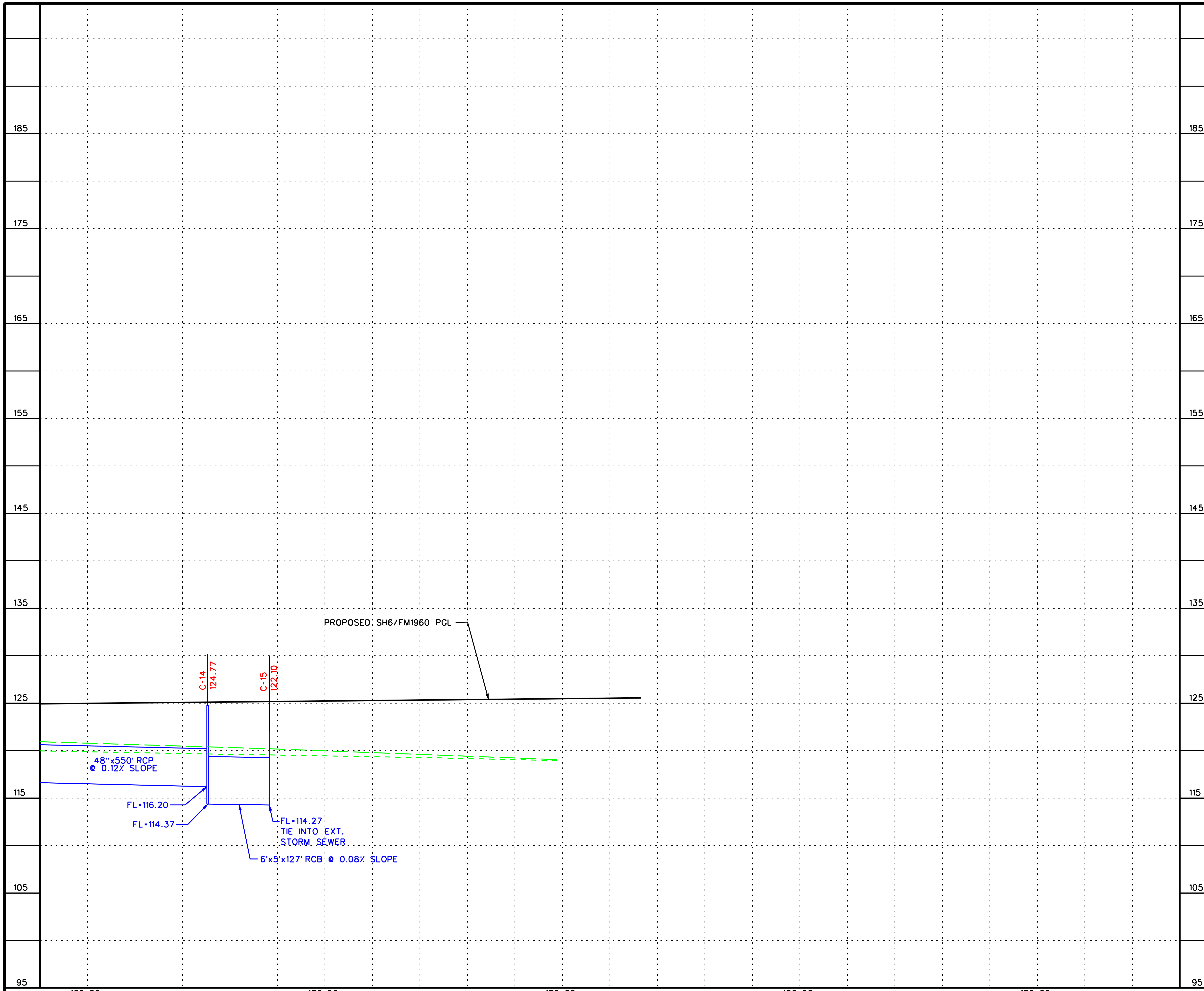

LEGEND

- PROPOSED MAINLANES
- PROPOSED FRONTAGE ROAD
- NATURAL GROUND
- 10-YR HGL
- 100-YR HGL

NOTE: THE HGL PROFILES DRAWN REPRESENT THE CONTROLLING WATER SURFACE PROFILES BETWEEN THE FEMA EFFECTIVE MODEL (WHEN APPLICABLE) AND THE SWMM ANALYSIS.

0 100 200 400

SCALE (H) 1" = 200'
(V) 1" = 10'

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PROPOSED STORMSEWER PROFILES

SHEET 36B OF 36

12/3/2009 | EXHIBIT 8

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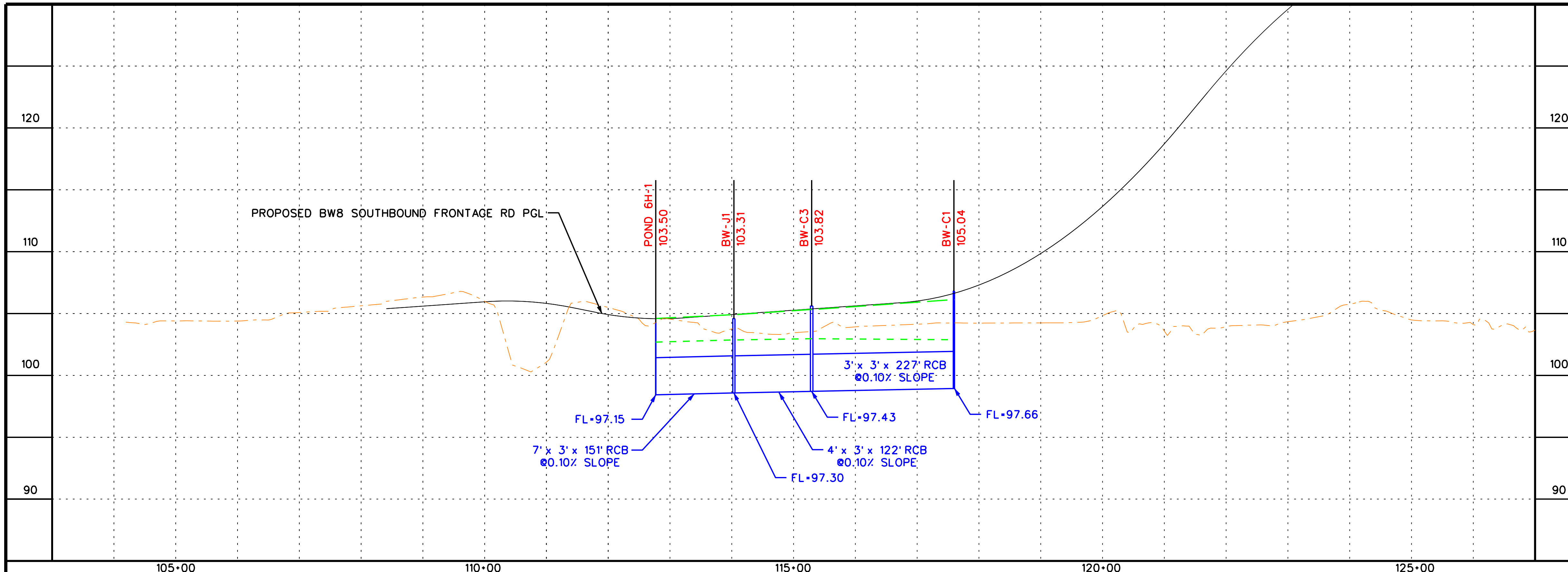
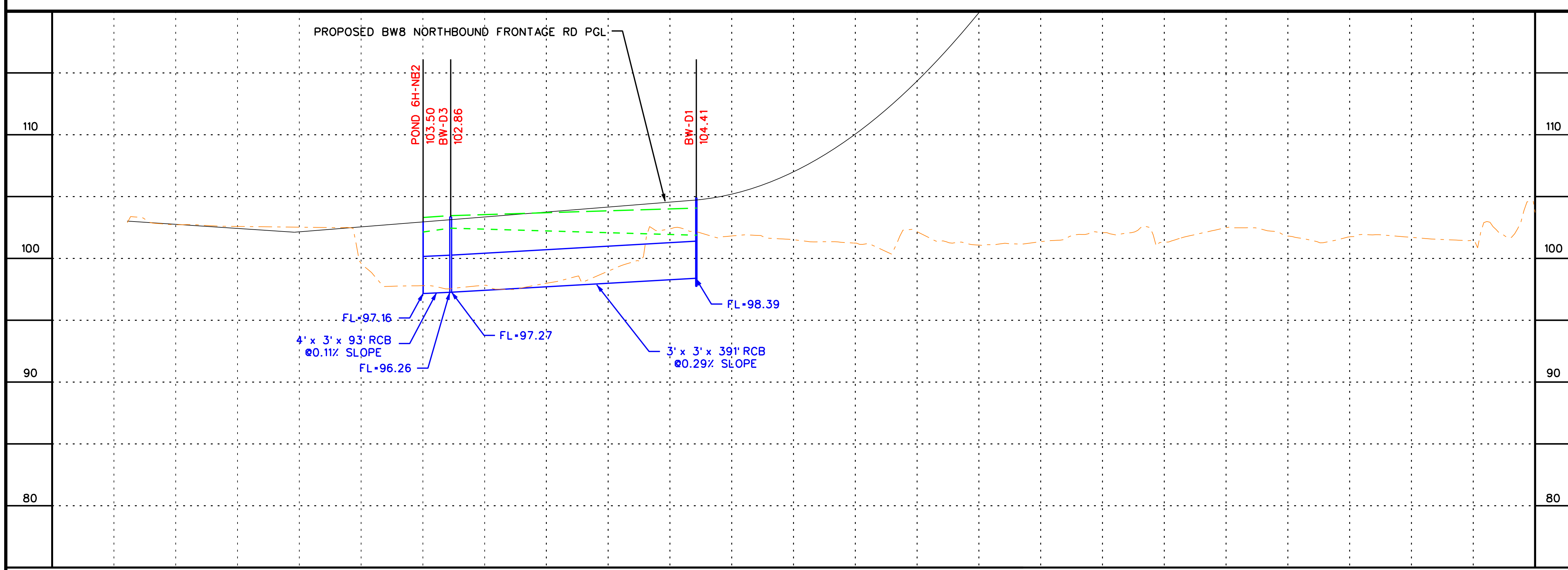


LEGEND

———	PROPOSED MAINLANES
———	PROPOSED FRONTAGE ROAD
—·—·—	NATURAL GROUND
- - - -	10-YR HGL
— — —	100-YR HGL

NOTE: THE HGL PROFILES DRAWN REPRESENT THE CONTROLLING WATER SURFACE PROFILES BETWEEN THE FEMA EFFECTIVE MODEL (WHEN APPLICABLE) AND THE SWMM ANALYSIS.



0 100 200 400

SCALE (H) 1" = 200'
(V) 1" = 10'

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PROPOSED STORMSEWER PROFILES

SHEET 36C OF 36

2/27/2012	EXHIBIT 8

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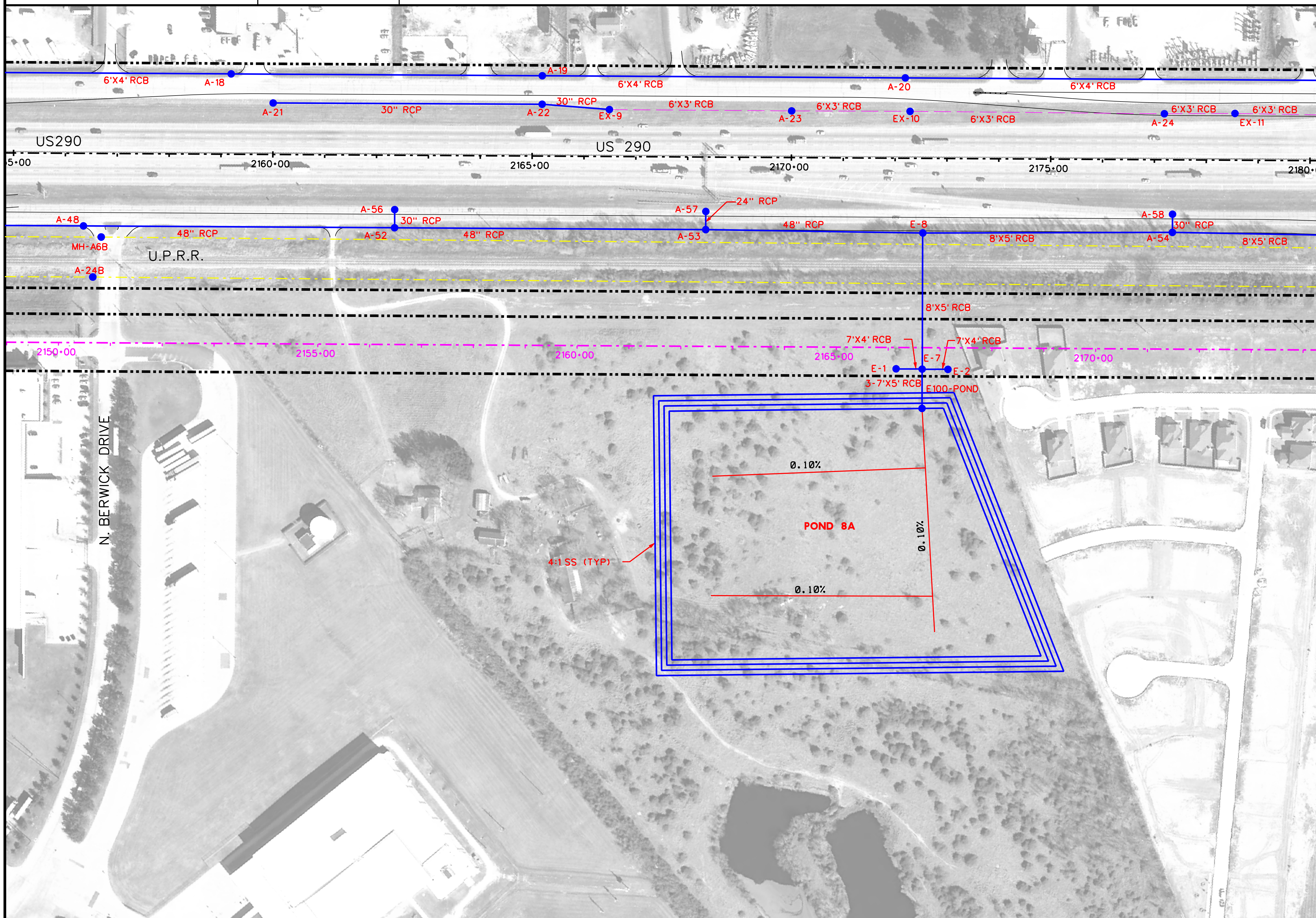
DETENTION BASIN	POND 8A
DESIGN STORAGE PROVIDED (ACRE-FT)	46.02
EST. STORAGE REQ'D (ACRE-FT)	42.85
MAX. PONDING ELEVATION (FT)	131.81
INFLOW/OUTFLOW PIPE SIZE	3-7'x5' RCB
MAX DISCHARGE (CFS)	-421.32
TOB ELEVATION (FT)	132.00
MIN. BASIN ELEVATION	124.74
SURFACE AREA (ACRES)	8.46



LEGEND

	PROPOSED PAVEMENT (FRTG. AND ML)
	EXIST. STM SWR/CULVERTS
	EXIST. CHANNEL/DITCH
	PROP. STM SWR
	INLET/MH (ANALYSIS NODE)
POND 1	PROPOSED DETENTION POND
	FLOW DIRECTION

0 100 200 400

SCALE (H) 1" = 200'

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PROPOSED DETENTION POND

SHEET 1 OF 12

8/27/2009

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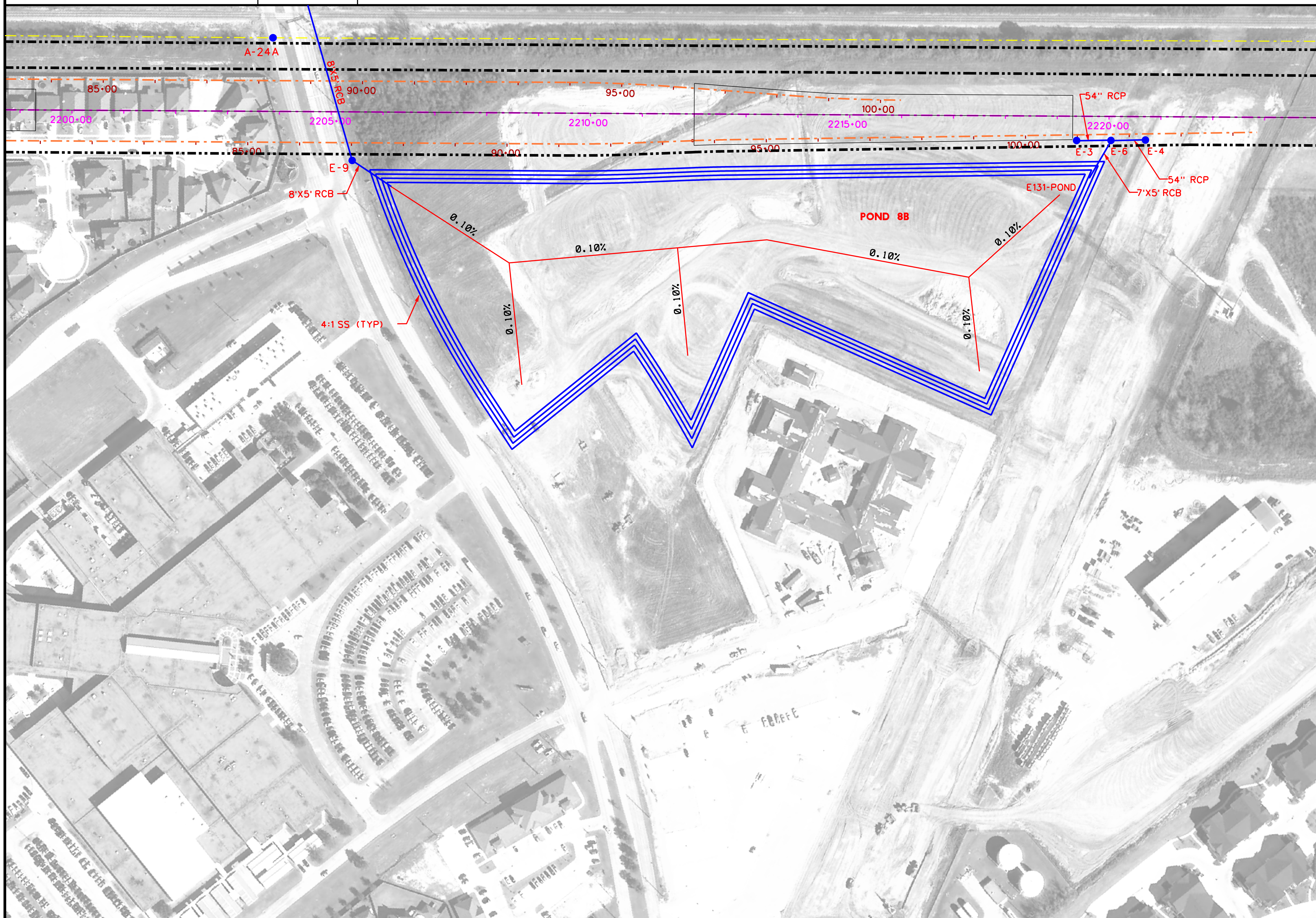
DETENTION BASIN	POND 8B
DESIGN STORAGE PROVIDED (ACRE-FT)	37.60
EST. STORAGE REQ'D (ACRE-FT)	35.72*
MAX. PONDING ELEVATION (FT)	125.28
INFLOW/OUTFLOW PIPE SIZE	8'x5' RCB
MAX DISCHARGE (CFS)	-159.88
TOB ELEVATION (FT)	128.00
MIN. BASIN ELEVATION	121.18
SURFACE AREA (ACRES)	11.76

*INCLUDES ESTIMATED STORAGE FOR OUTFALL 2, OUTFALL 3, AND OUTFALL 4



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LEGEND

	PROPOSED PAVEMENT (FRTG. AND ML)
	EXIST. STM SWR/CULVERTS
	EXIST. CHANNEL/DITCH
	PROP. STM SWR
	INLET/MH (ANALYSIS NODE)
POND 1	PROPOSED DETENTION POND
	FLOW DIRECTION

0 100 200 400

SCALE (H) 1" = 200'

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PROPOSED DETENTION POND

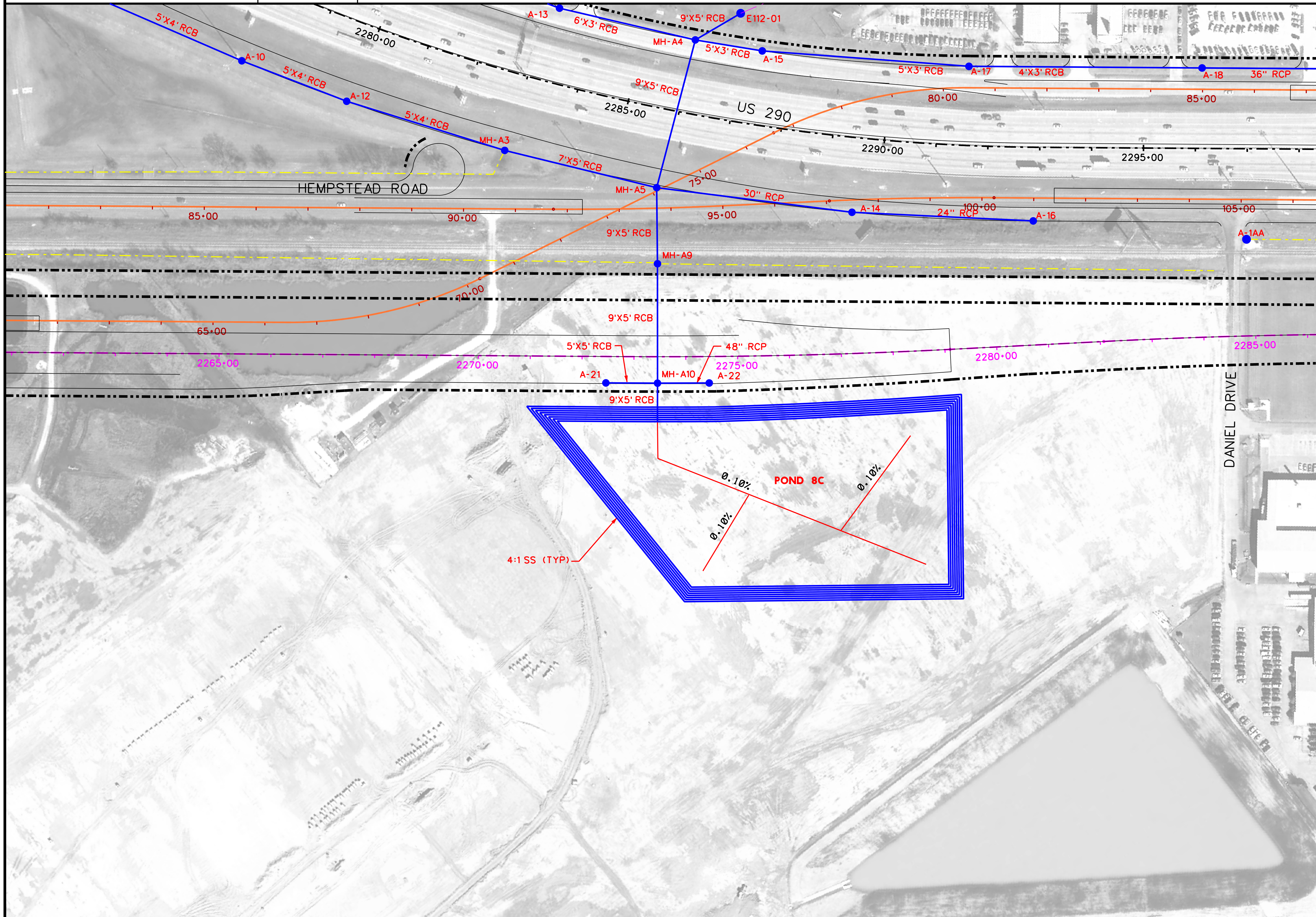
SHEET 2 OF 12

11/5/2009

EXHIBIT 9

...\DRA\US 290_PhaseII_Det_2.dgn

DETENTION BASIN	POND 8C
DESIGN STORAGE PROVIDED (ACRE-FT)	34.40
EST. STORAGE REQ'D (ACRE-FT)	40.75
MAX. PONDING ELEVATION (FT)	120.87
INFLOW/OUTFLOW PIPE SIZE	9'x5' RCB
MAX DISCHARGE (CFS)	-380.04
TOB ELEVATION (FT)	122.00
MIN. BASIN ELEVATION	113.32
SURFACE AREA (ACRES)	6.01



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LEGEND

	PROPOSED PAVEMENT (FRTG. AND ML)
	EXIST. STM SWR/CULVERTS
	EXIST. CHANNEL/DITCH
	PROP. STM SWR
	INLET/MH (ANALYSIS NODE)
POND 1	PROPOSED DETENTION POND
	FLOW DIRECTION

0 100 200 400
SCALE (H) 1" = 200'

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PROPOSED DETENTION POND

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DETENTION BASIN	POND 7A1
DESIGN STORAGE PROVIDED (ACRE-FT)	30.37
EXT. STORAGE PROVIDED (ACRE-FT)	58.47
MAX. PONDING ELEVATION (FT)	115.53
INFLOW/OUTFLOW PIPE SIZE	24" RCP
MAX DISCHARGE (CFS)	16.98
TOB ELEVATION (FT)	115.00
MIN. BASIN ELEVATION	107.00
SURFACE AREA (ACRES)	4.39

DETENTION BASIN	POND 7A2
DESIGN STORAGE PROVIDED (ACRE-FT)	115.40 *
EST. STORAGE REQ'D (ACRE-FT)	37.76
MAX. PONDING ELEVATION (FT)	115.46
INFLOW/OUTFLOW PIPE SIZE	24" RCP
MAX DISCHARGE (CFS)	17.19
TOB ELEVATION (FT)	115.00
MIN. BASIN ELEVATION	107.00
SURFACE AREA (ACRES)	15.94

* STORAGE PROVIDED INCLUDES MITIGATION FOR OUTFALL 6, A PORTION OF OUTFALL 7, AND EXISTING STORAGE LOST IN POND 7A1.

LEGEND

	PROPOSED PAVEMENT (FRTG. AND ML)
	EXIST. STM SWR/CULVERTS
	EXIST. CHANNEL/DITCH
	PROP. STM SWR
	INLET/MH (ANALYSIS NODE)
POND 1	PROPOSED DETENTION POND
	FLOW DIRECTION

0 100 200 400

SCALE (H) 1" = 200'

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PROPOSED DETENTION POND

SHEET 4 OF 12

$DATE$

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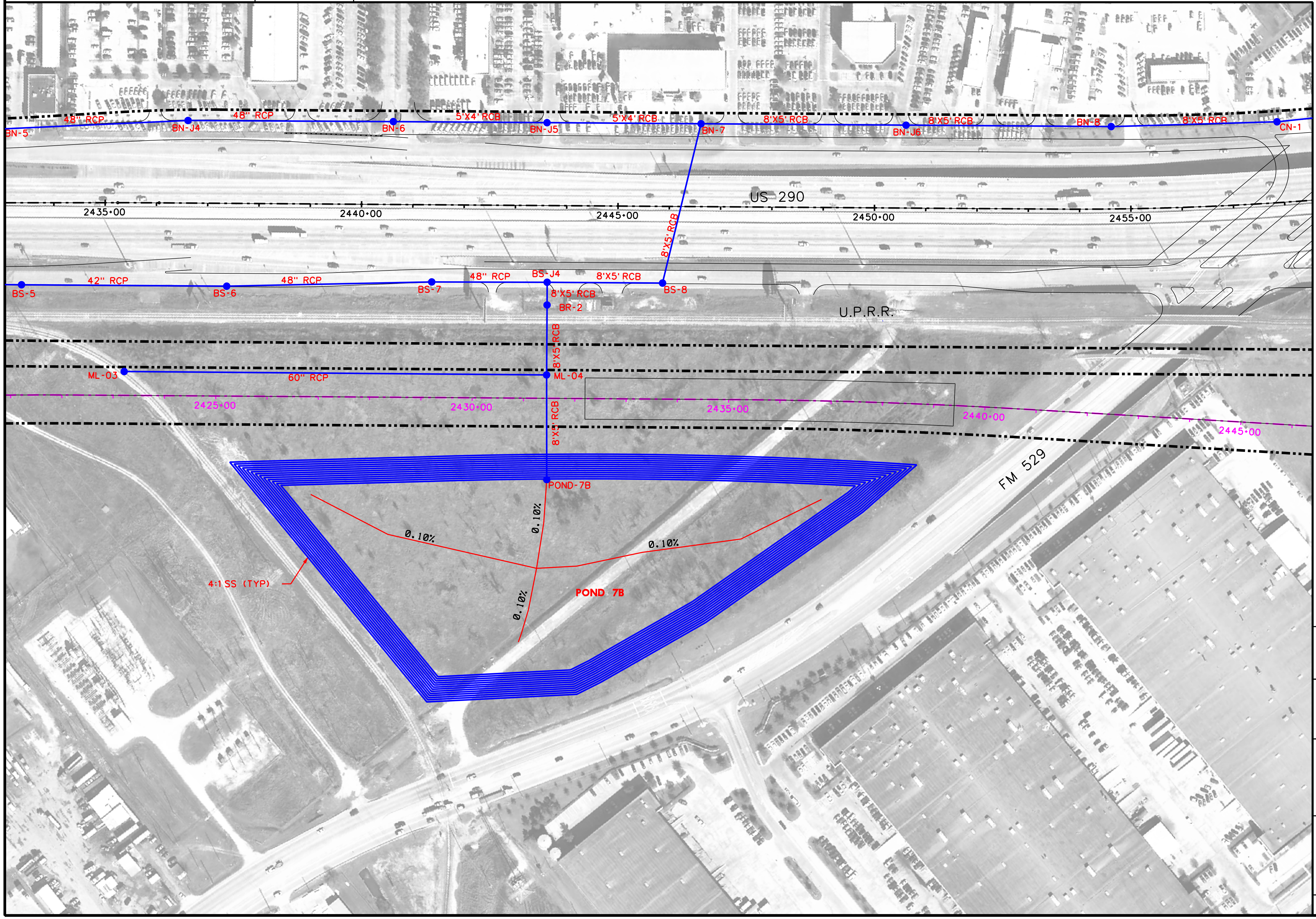
$FILE$

DETENTION BASIN	POND 7B
DESIGN STORAGE PROVIDED (ACRE-FT)	56.46
EST. STORAGE REQ'D (ACRE-FT)	128.71
MAX. PONDING ELEVATION (FT)	102.93
INFLOW/OUTFLOW PIPE SIZE	8'x5' RCB
MAX DISCHARGE (cfs)	349.37
TOB ELEVATION (FT)	107
MIN. BASIN ELEVATION	95
SURFACE AREA (ACRES)	9.2

*INCLUDES ESTIMATED STORAGE FOR OUTFALL 7 AND OUTFALL 8



LEGEND

PROPOSED PAVEMENT (FRTG. AND ML)

EXIST. STM SWR/CULVERTS

EXIST. CHANNEL/DITCH

PROP. STM SWR

INLET/MH (ANALYSIS NODE)

POND 1 PROPOSED DETENTION POND

FLOW DIRECTION

0 100 200 400

SCALE (H) 1" = 200'

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PROPOSED DETENTION POND

SHEET 5 OF 12

8/27/2009

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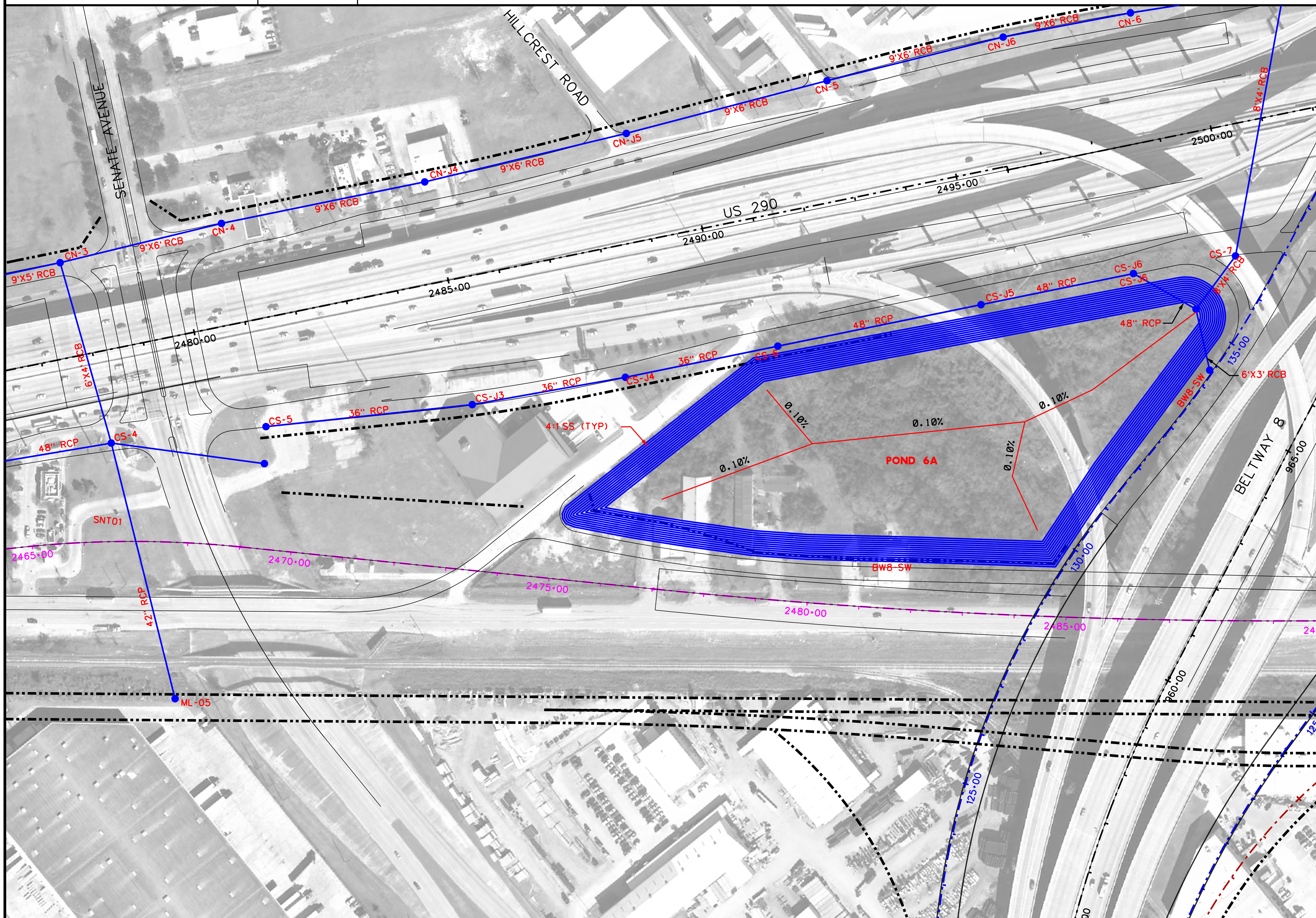
DETENTION BASIN	POND 6A
DESIGN STORAGE PROVIDED (ACRE-FT)	92.40
EST. STORAGE REQ'D (ACRE-FT)	128.71
MAX. PONDING ELEVATION (FT)	102.90
INFLOW/OUTFLOW PIPE SIZE	8'X4' RCB
MAX DISCHARGE (CFS)	373.91
TOB ELEVATION (FT)	103.00
MIN. BASIN ELEVATION	91.00
SURFACE AREA (ACRES)	10.03

*INCLUDES ESTIMATED STORAGE FOR OUTFALL 7 AND OUTFALL 8



LEGEND

	PROPOSED PAVEMENT (FRTG. AND ML)
	EXIST. STM SWR/CULVERTS
	EXIST. CHANNEL/DITCH
	PROP. STM SWR
	INLET/MH (ANALYSIS NODE)
POND 1	PROPOSED DETENTION POND
	FLOW DIRECTION

0 100 200 400

SCALE (H) 1" = 200'

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PROPOSED DETENTION POND

SHEET 6 OF 12

2/27/2012

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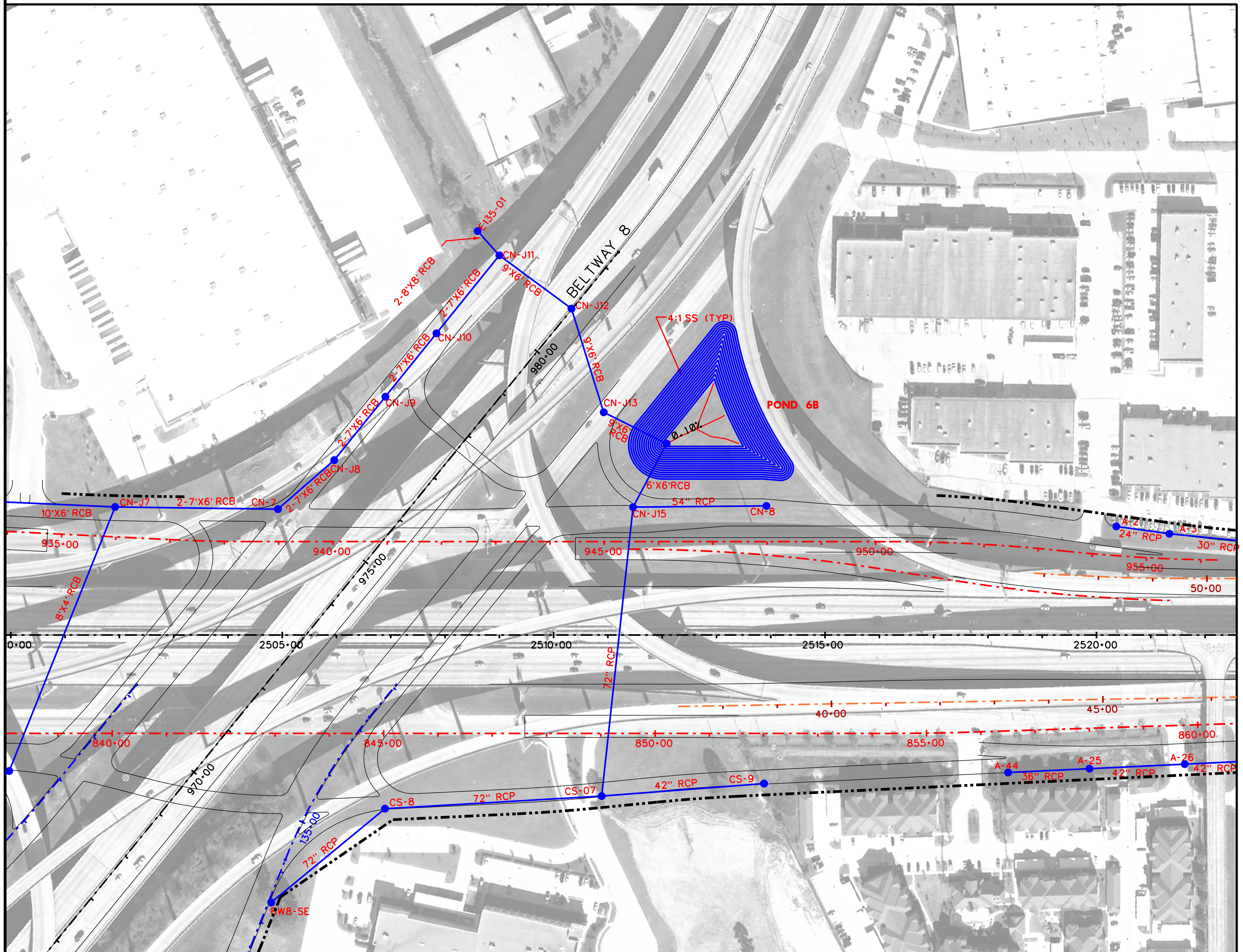
DETENTION BASIN	POND 6B
DESIGN STORAGE PROVIDED (ACRE-FT)	9.20
EST. STORAGE REQ'D (ACRE-FT)	128.71
MAX. PONDING ELEVATION (FT)	102.89
INFLOW/OUTFLOW PIPE SIZE	9'x6' RCB
MAX DISCHARGE (CFS)	163.97
TOB ELEVATION (FT)	103.00
MIN. BASIN ELEVATION	88.00
SURFACE AREA (ACRES)	1.21

*INCLUDES ESTIMATED STORAGE FOR OUTFALL 7 AND OUTFALL 8



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LEGEND

	PROPOSED PAVEMENT (FRTG. AND ML)
	EXIST. STM SWR/CULVERTS
	EXIST. CHANNEL/DITCH
	PROP. STM SWR
	INLET/MH (ANALYSIS NODE)
POND 1	PROPOSED DETENTION POND
	FLOW DIRECTION

0 100 200 400

SCALE (H) 1" = 200'

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PROPOSED DETENTION POND

SHEET 7 OF 12

11/5/2009

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DETENTION BASIN	POND 6E	DETENTION BASIN	POND 6D	DETENTION BASIN	POND 6C
DESIGN STORAGE PROVIDED (ACRE-FT)	23.97	DESIGN STORAGE PROVIDED (ACRE-FT)	4.83	DESIGN STORAGE PROVIDED (ACRE-FT)	10.45
EST. STORAGE REQ'D (ACRE-FT)	19.27 *	EST. STORAGE REQ'D (ACRE-FT)	19.27 *	EST. STORAGE REQ'D (ACRE-FT)	19.27 *
MAX. PONDING ELEVATION (FT)	94.24	MAX. PONDING ELEVATION (FT)	94.86	MAX. PONDING ELEVATION (FT)	96.20
INFLOW/OUTFLOW PIPE SIZE	5'x4' RCB	INFLOW/OUTFLOW PIPE SIZE	36" RCP	INFLOW/OUTFLOW PIPE SIZE	36" RCP
MAX DISCHARGE (CFS)	131.29	MAX DISCHARGE (CFS)	43.10	MAX DISCHARGE (CFS)	97.43
TOB ELEVATION (FT)	98.00	TOB ELEVATION (FT)	95.00	TOB ELEVATION (FT)	95.00
MIN. BASIN ELEVATION	89.42	MIN. BASIN ELEVATION	88.23	MIN. BASIN ELEVATION	88.10
SURFACE AREA (ACRES)	6.41	SURFACE AREA (ACRES)	1.01	SURFACE AREA (ACRES)	1.61

* INCLUDES ESTIMATED STORAGE FOR OUTFALL 9 AND OUTFALL 10

LEGEND

	PROPOSED PAVEMENT (FRTG. AND ML)
	EXIST. STM SWR/CULVERTS
	EXIST. CHANNEL/DITCH
	PROP. STM SWR
	INLET/MH (ANALYSIS NODE)
POND 1	PROPOSED DETENTION POND
	FLOW DIRECTION

0 100 200 400
SCALE (H) 1" = 200'

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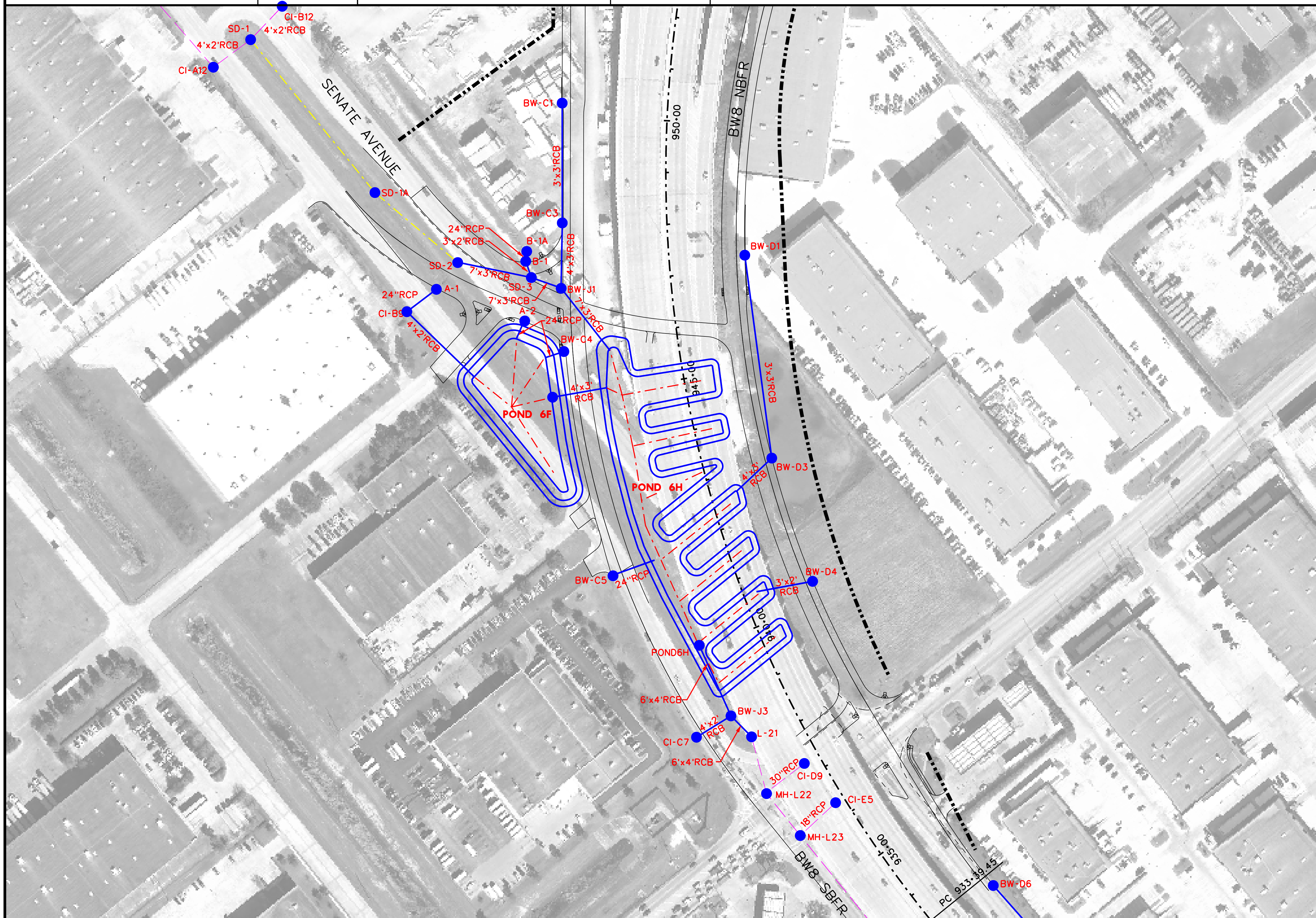
DETENTION BASIN	POND 6F	DETENTION BASIN	POND 6H
DESIGN STORAGE PROVIDED (ACRE-FT)	3.01	DESIGN STORAGE PROVIDED (ACRE-FT)	9.22
EST. STORAGE REQ'D (ACRE-FT)	3.01	EST. STORAGE REQ'D (ACRE-FT)	9.22
MAX. PONDING ELEVATION (FT)	103.34	MAX. PONDING ELEVATION (FT)	103.32
INFLOW/OUTFLOW PIPE SIZE	4'x3' RCB	INFLOW/OUTFLOW PIPE SIZE	6'x4' RCB
MAX DISCHARGE (CFS)	30.92	MAX DISCHARGE (CFS)	179.40
TOB ELEVATION (FT)	103.50	TOB ELEVATION (FT)	103.50
MIN. BASIN ELEVATION	97.60	MIN. BASIN ELEVATION	96.39
SURFACE AREA (ACRES)	1.12	SURFACE AREA (ACRES)	2.39



LEGEND

	PROPOSED PAVEMENT (FRTG. AND ML)
	EXIST. STM SWR/CULVERTS
	EXIST. CHANNEL/DITCH
	PROP. STM SWR
	INLET/MH (ANALYSIS NODE)
POND 1	PROPOSED DETENTION POND
	FLOW DIRECTION

0 100 200 400
SCALE (H) 1" = 200'

PRELIMINARY
SUBJECT TO CHANGE

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

Texas Department of Transportation
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US 290 PMC

PROPOSED DETENTION POND

SHEET 8A OF 12

2/27/2012 | EXHIBIT 9

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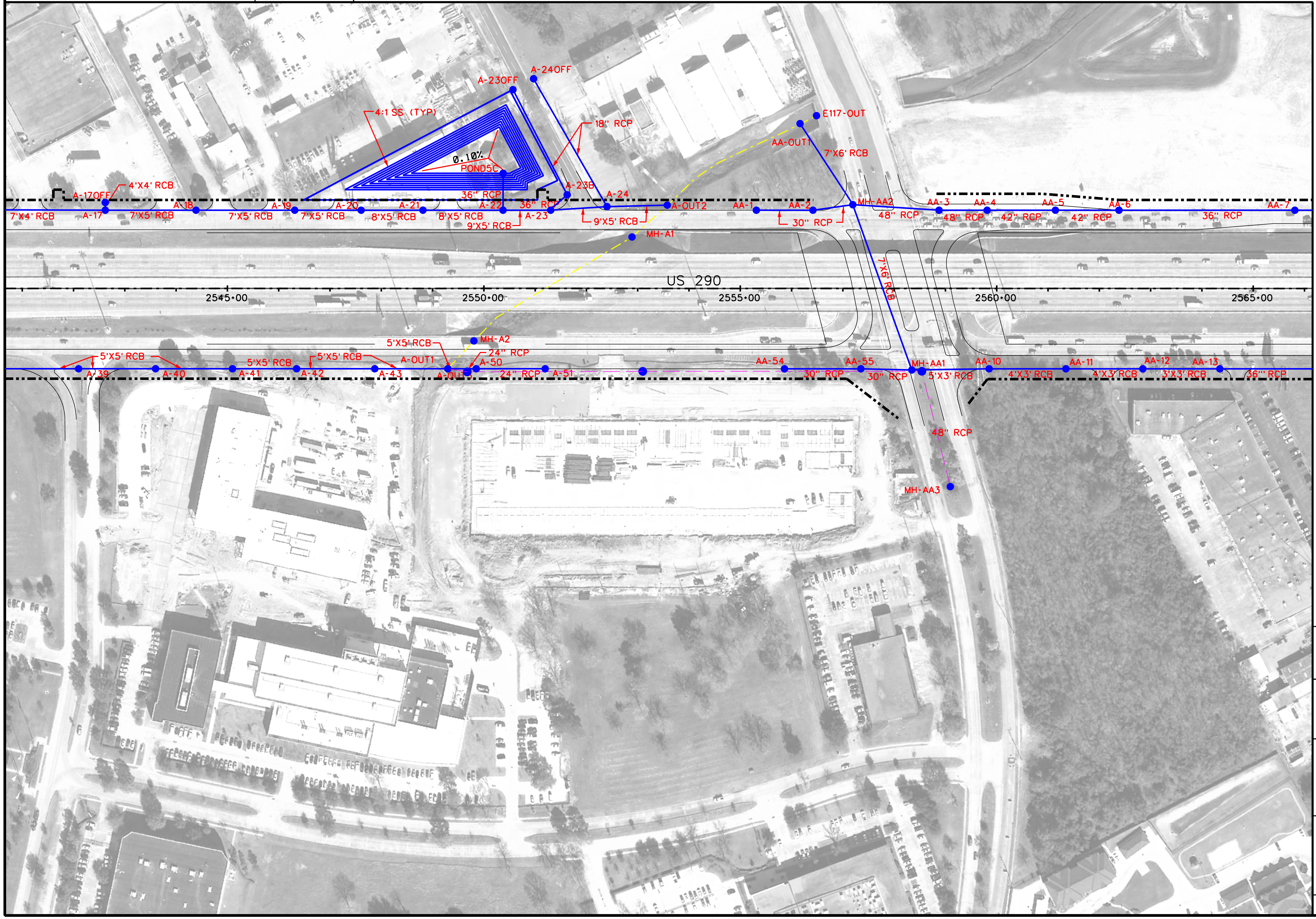
DETENTION BASIN	POND 5C
DESIGN STORAGE PROVIDED (ACRE-FT)	4.36
EST. STORAGE REQ'D (ACRE-FT)	19.27 *
MAX. PONDING ELEVATION (FT)	94.35
INFLOW/OUTFLOW PIPE SIZE	36" RCP
MAX DISCHARGE (CFS)	29.11
TOB ELEVATION (FT)	93.50
MIN. BASIN ELEVATION	84.96
SURFACE AREA (ACRES)	0.74

* INCLUDES ESTIMATED STORAGE FOR OUTFALL 9 AND OUTFALL 10



LEGEND

	PROPOSED PAVEMENT (FRTG. AND ML)
	EXIST. STM SWR/CULVERTS
	EXIST. CHANNEL/DITCH
	PROP. STM SWR
	INLET/MH (ANALYSIS NODE)
POND 1	PROPOSED DETENTION POND
	FLOW DIRECTION

0 100 200 400
SCALE (H) 1" = 200'

PRELIMINARY
SUBJECT TO CHANGE

COMMUNITY 290 DRIVEN

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PROPOSED DETENTION POND

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7/12/2011 | EXHIBIT 9

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