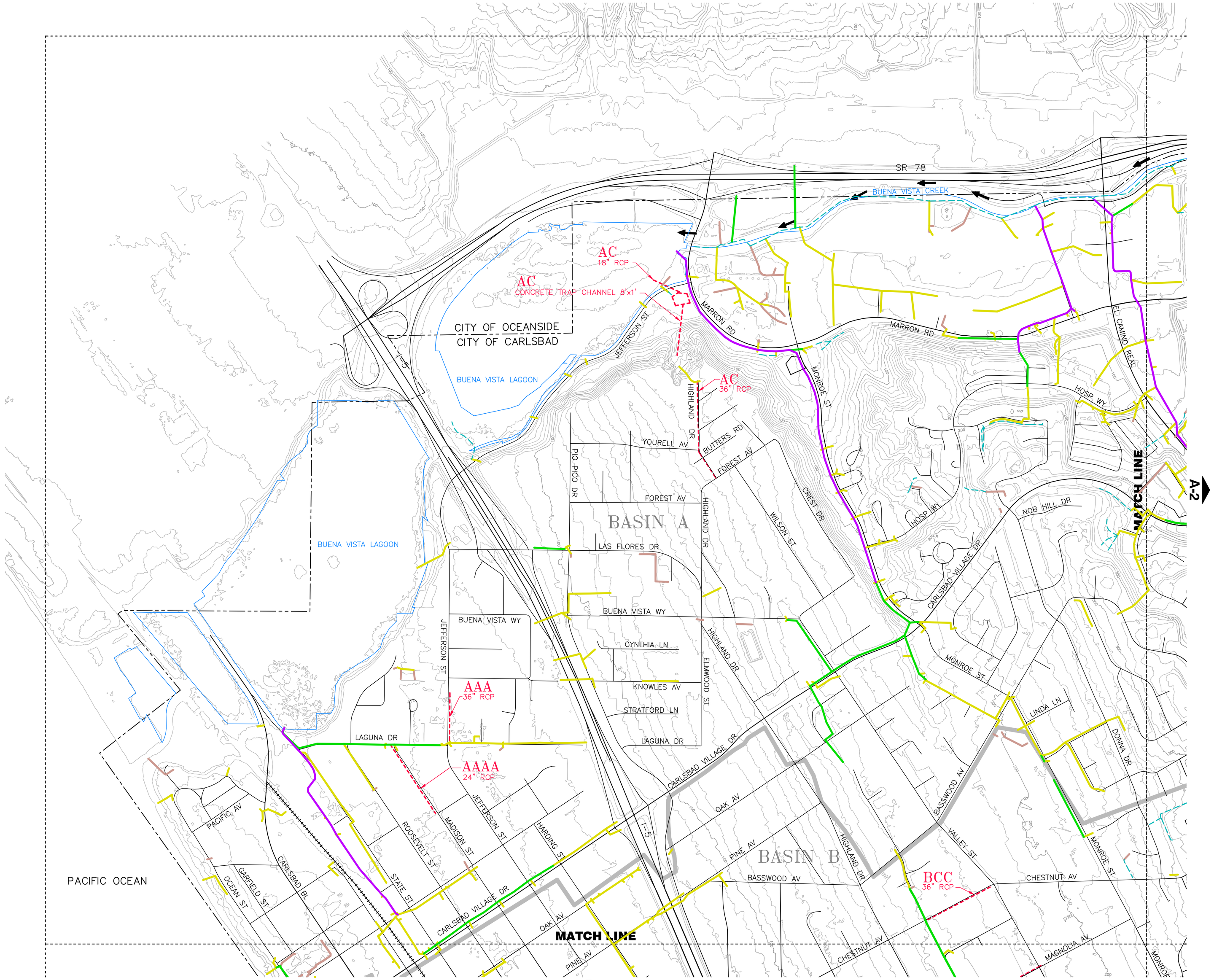
APPENDIX D

MASTER PLAN OF DRAINAGE FACILITIES

Use of contents on this sheet is subject to the limitations specified at the end of this document.



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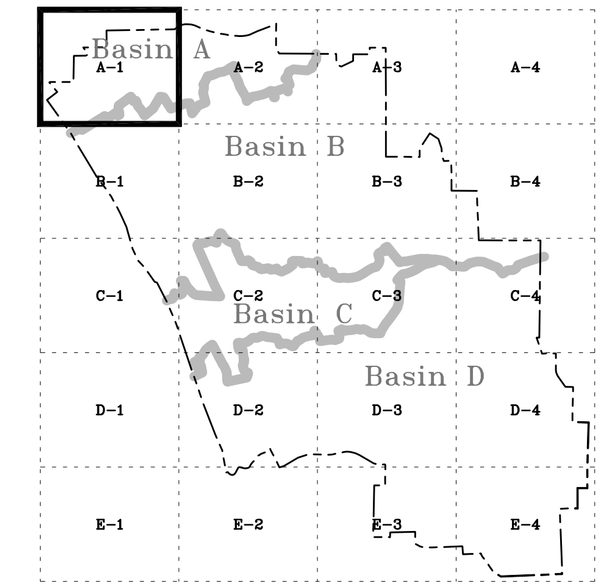


N

0 500
SCALE IN FEET

LEGEND

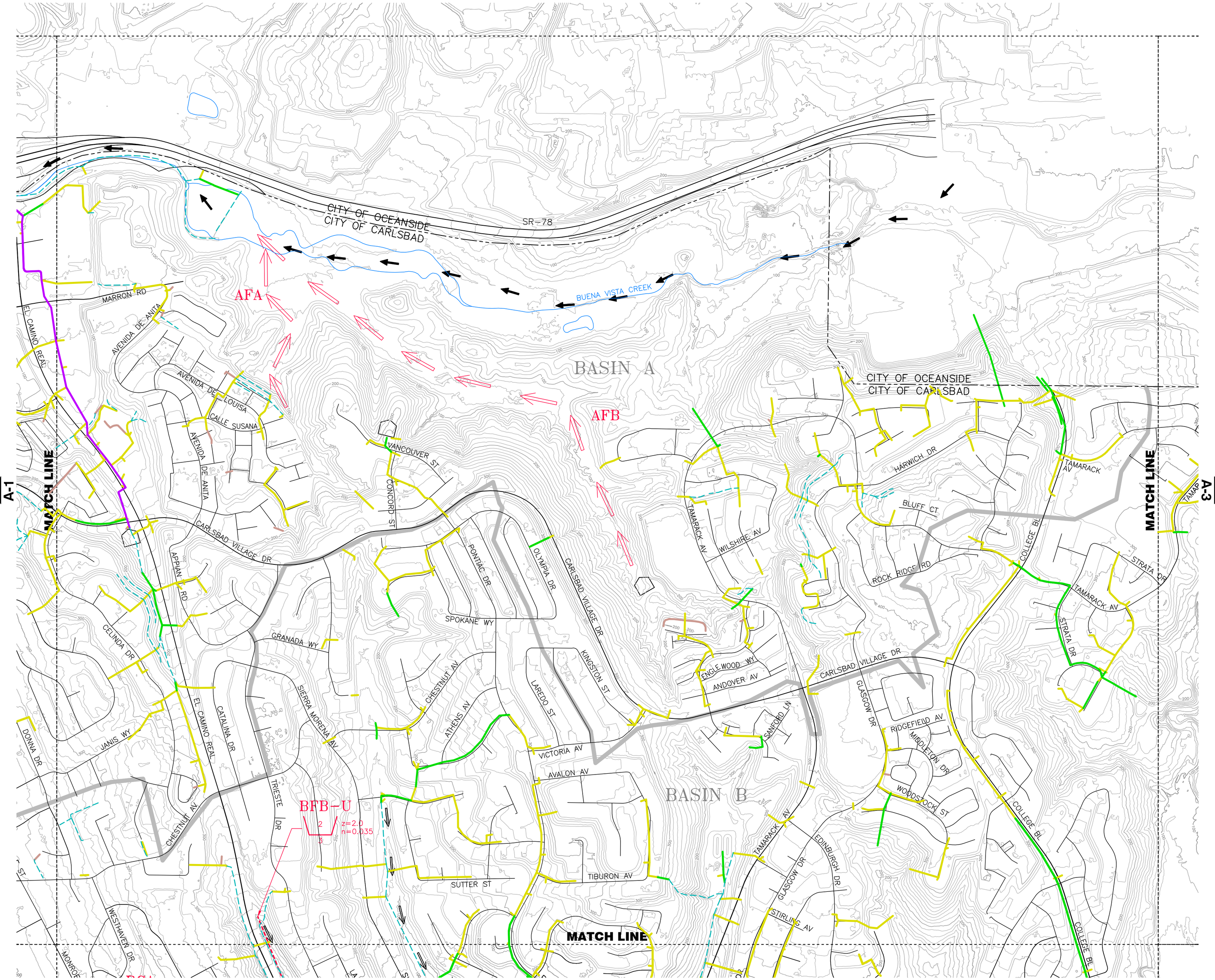
- EXISTING STORM DRAINS UNDER 12"
- 15" TO 24"
- 30" TO 48"
- ABOVE 48"
- DITCH
- PROPOSED STORM DRAIN OR DRAINAGE FACILITY
- LAKE, RESEVOIR, OR POND
- RIVER OR STREAM
- Basin A BUENA VISTA WATERSHED
- Basin B AGUA HEDIONDA WATERSHED
- Basin C ENCINAS CREEK WATERSHED
- Basin D BATIQUITOS WATERSHED
- WATERSHED DIVIDE
- BM FACILITY DESIGNATION First letter is BASIN DESIGNATOR Following letter(s) are the FACILITY DESIGNATOR
- PROPOSED PLANNED LOCAL DRAINAGE (PLD) AREA BOUNDARY
- ENHANCED NATURAL CHANNEL
- PROPOSED ENHANCED NATURAL CHANNEL
- MAJOR CREEK FLOW
- EXISTING DETENTION BASIN
- PROPOSED SEDIMENTATION BASIN
- EXISTING SEDIMENTATION BASIN
- CITY OF CARLSBAD BOUNDARY

CITY OF CARLSBAD CALIFORNIA

PLATE A-1
MASTER PLAN OF DRAINAGE FACILITIES

PROJECT LOCATION	DATE	PROJECT NUMBER
CITY OF CARLSBAD	NOV 2007	128290

BROWN AND CALDWELL
SAN DIEGO, CALIFORNIA



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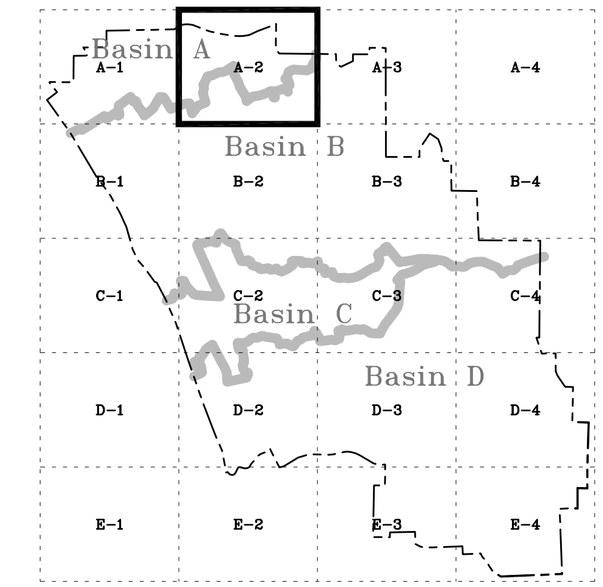

N

0 500
SCALE IN FEET

LEGEND

- EXISTING STORM DRAINS UNDER 12"
- 15" TO 24"
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- PROPOSED PLANNED LOCAL DRAINAGE (PLD) AREA BOUNDARY
- ENHANCED NATURAL CHANNEL
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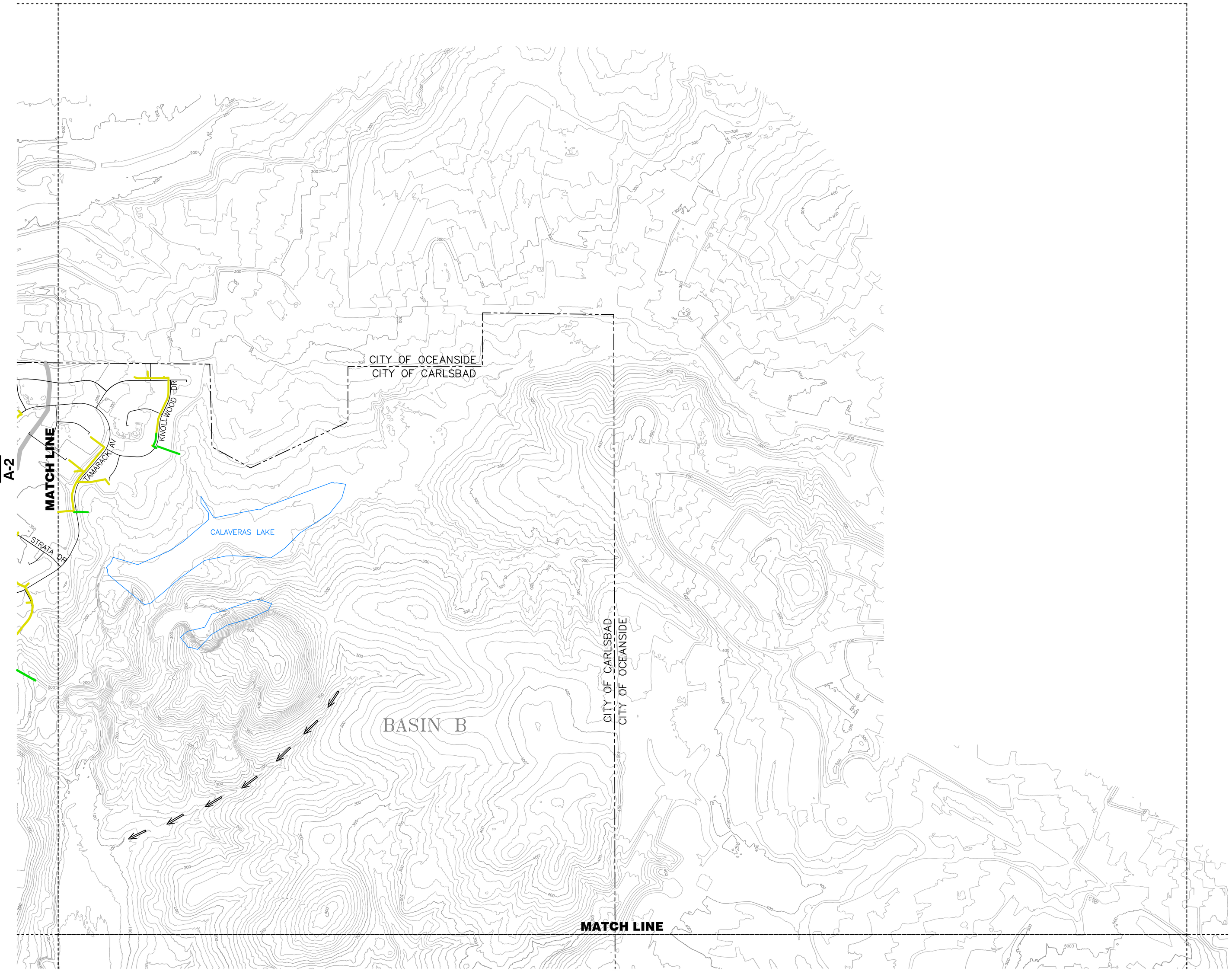
- MAJOR CREEK FLOW
- EXISTING DETENTION BASIN
- PROPOSED SEDIMENTATION BASIN
- EXISTING SEDIMENTATION BASIN
- CITY OF CARLSBAD BOUNDARY

CITY OF CARLSBAD CALIFORNIA

PLATE A-2
MASTER PLAN OF DRAINAGE FACILITIES

PROJECT LOCATION	DATE	PROJECT NUMBER
CITY OF CARLSBAD	NOV 2007	128290

BROWN AND CALDWELL
SAN DIEGO, CALIFORNIA



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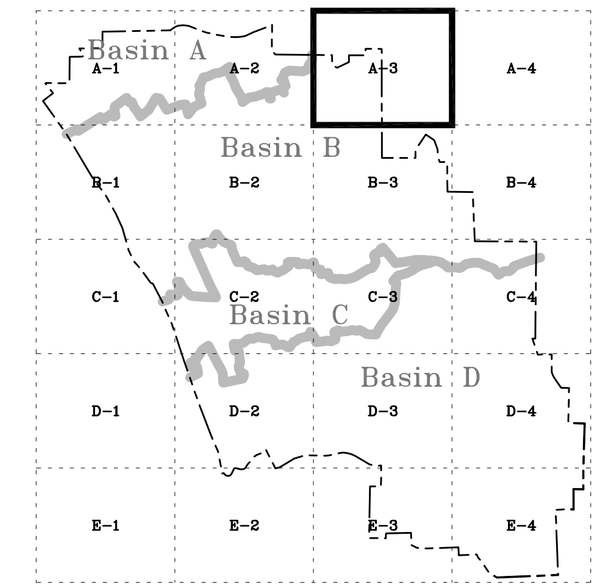

N

0 500
SCALE IN FEET

LEGEND

- EXISTING STORM DRAINS UNDER 12"
- 15" TO 24"
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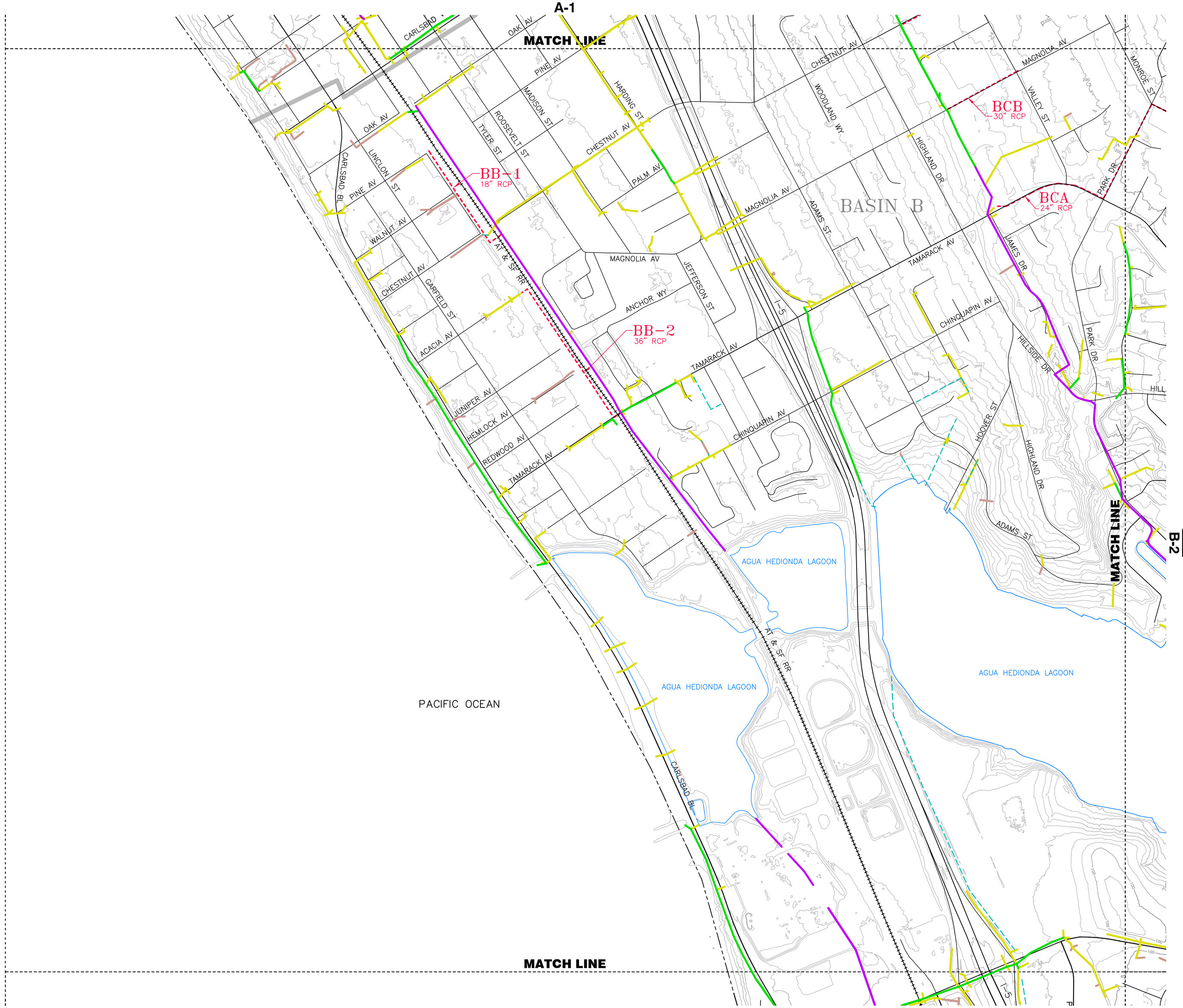
- EXISTING DETENTION BASIN
- PROPOSED SEDIMENTATION BASIN
- EXISTING SEDIMENTATION BASIN
- CITY OF CARLSBAD BOUNDARY

CITY OF CARLSBAD CALIFORNIA

PLATE A-3
MASTER PLAN OF DRAINAGE FACILITIES

PROJECT LOCATION	DATE	PROJECT NUMBER
CITY OF CARLSBAD	NOV 2007	128290

BROWN AND CALDWELL
SAN DIEGO, CALIFORNIA



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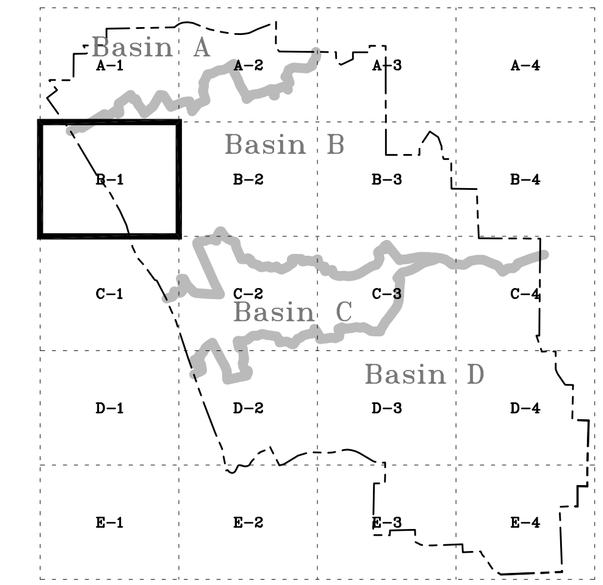

N

0 500
SCALE IN FEET

LEGEND

- EXISTING STORM DRAINS UNDER 12"
- 15" TO 24"
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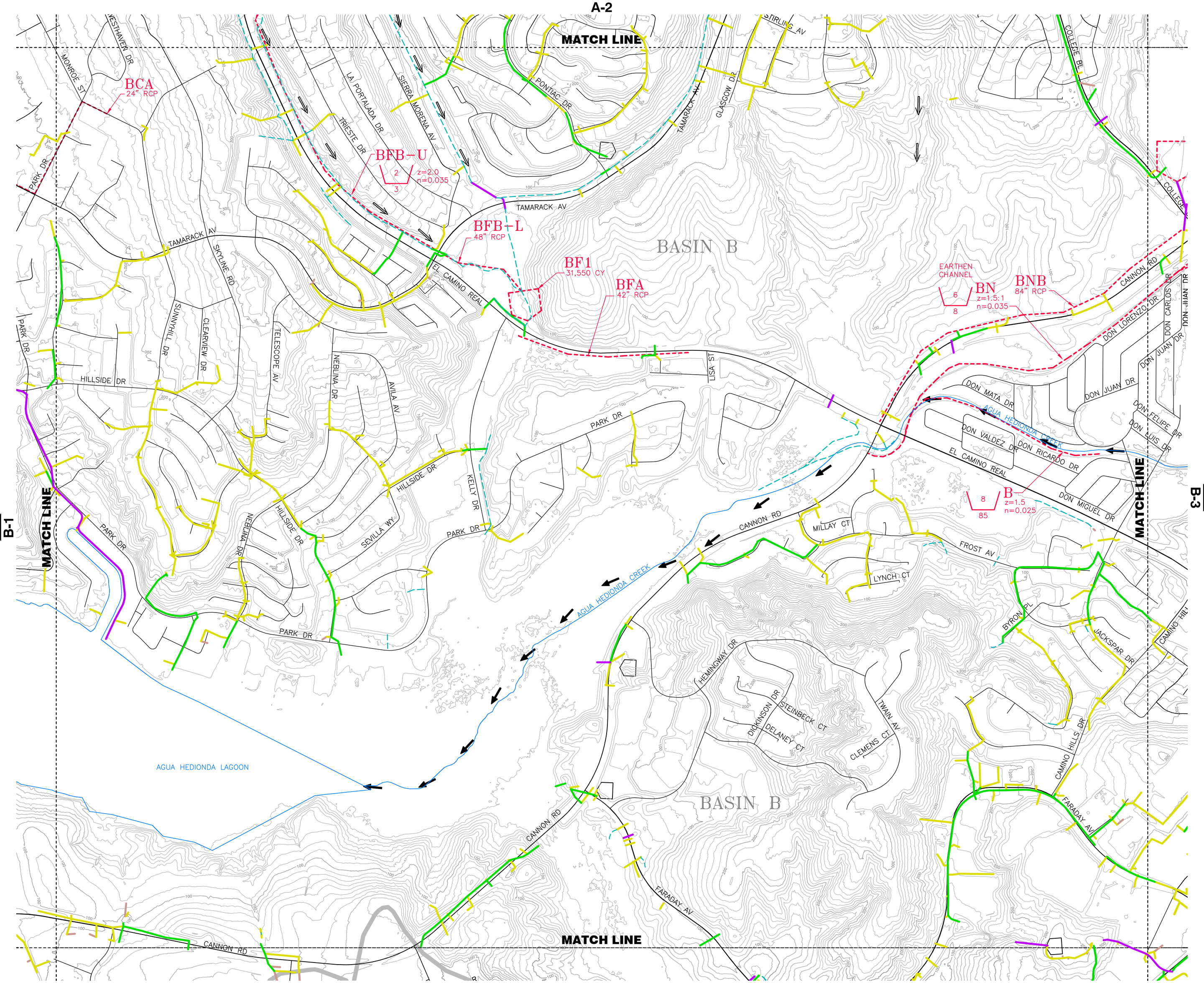
- EXISTING DETENTION BASIN
- PROPOSED SEDIMENTATION BASIN
- EXISTING SEDIMENTATION BASIN
- CITY OF CARLSBAD BOUNDARY

CITY OF CARLSBAD CALIFORNIA

PLATE B-1
MASTER PLAN OF DRAINAGE FACILITIES

PROJECT LOCATION	DATE	PROJECT NUMBER
CITY OF CARLSBAD	NOV 2007	128290

BROWN AND CALDWELL
SAN DIEGO, CALIFORNIA



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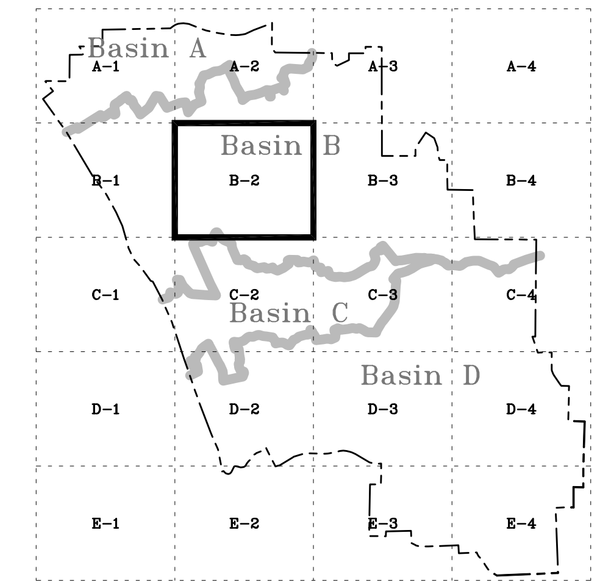

N

0 500
SCALE IN FEET

LEGEND

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- 15" TO 24"
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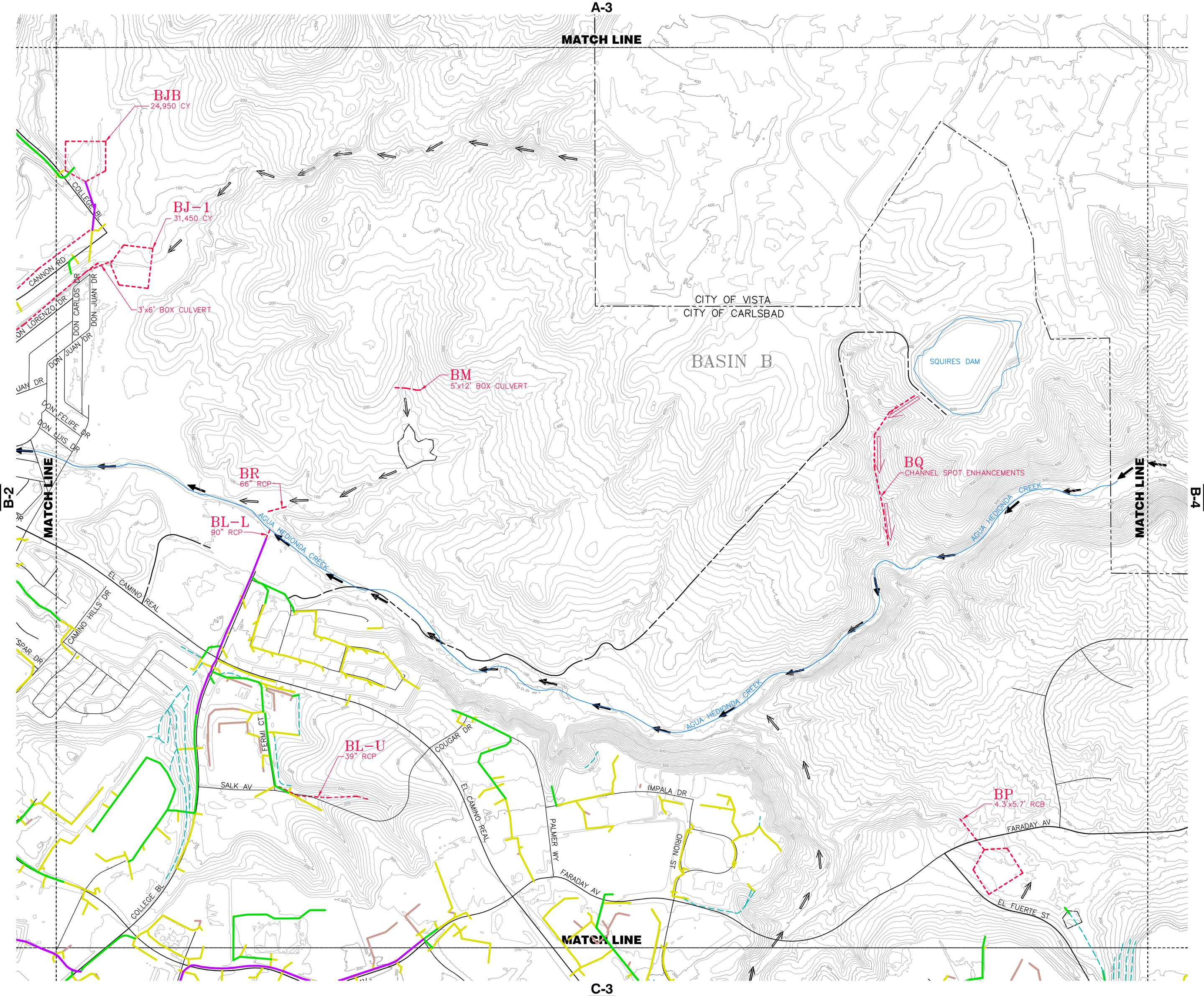
- PROPOSED ENHANCED NATURAL CHANNEL
- MAJOR CREEK FLOW
- EXISTING DETENTION BASIN
- PROPOSED SEDIMENTATION BASIN
- EXISTING SEDIMENTATION BASIN
- CITY OF CARLSBAD BOUNDARY

CITY OF CARLSBAD CALIFORNIA

PLATE B-2
MASTER PLAN OF DRAINAGE FACILITIES

PROJECT LOCATION	DATE	PROJECT NUMBER
CITY OF CARLSBAD	NOV 2007	128290

BROWN AND CALDWELL
SAN DIEGO, CALIFORNIA



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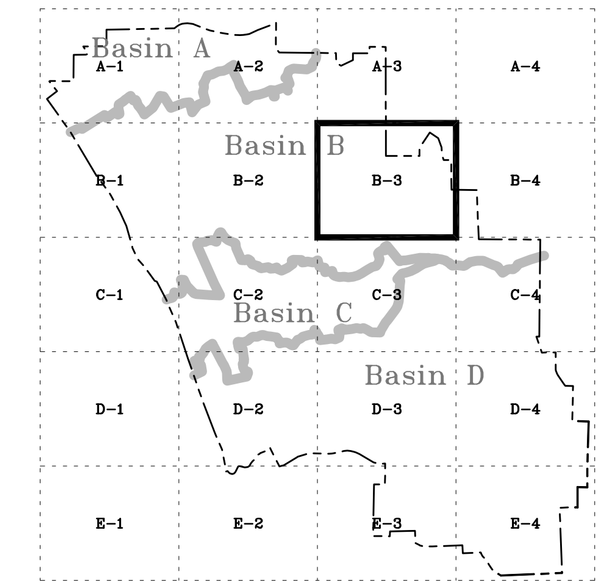

N

0 500
SCALE IN FEET

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- 30" TO 48"
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- ENHANCED NATURAL CHANNEL
- PROPOSED ENHANCED NATURAL CHANNEL
- MAJOR CREEK FLOW
- EXISTING DETENTION BASIN
- PROPOSED SEDIMENTATION BASIN
- EXISTING SEDIMENTATION BASIN
- CITY OF CARLSBAD BOUNDARY

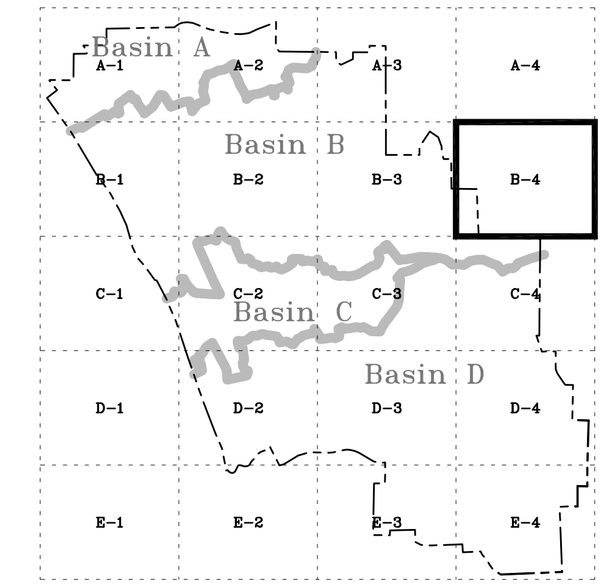
CITY OF CARLSBAD CALIFORNIA

PLATE B-3
MASTER PLAN OF DRAINAGE FACILITIES

PROJECT LOCATION	DATE	PROJECT NUMBER
CITY OF CARLSBAD	NOV 2007	128290

BROWN AND CALDWELL
SAN DIEGO, CALIFORNIA

PLATE INDEX



N

0 500
SCALE IN FEET

LEGEND

EXISTING STORM DRAINS
UNDER 12"
15" TO 24"
30" TO 48"
ABOVE 48"
DITCH
PROPOSED STORM DRAIN OR DRAINAGE FACILITY
LAKE, RESEVOIR, OR POND
RIVER OR STREAM
Basin A BUENA VISTA WATERSHED
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Basin C ENCINAS CREEK WATERSHED
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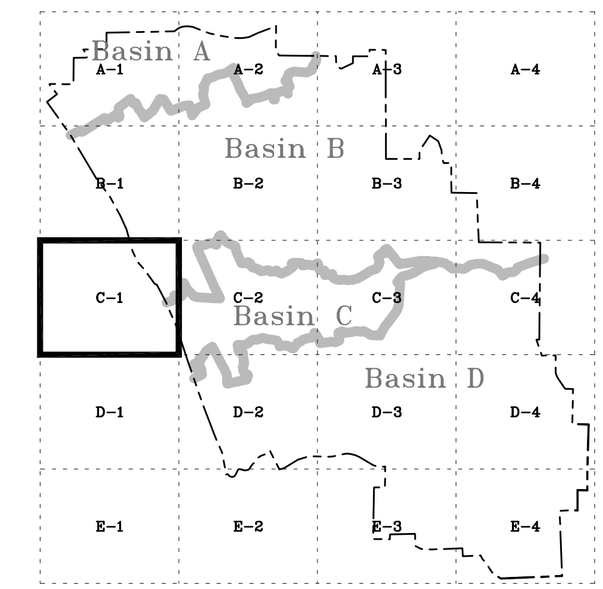
BM FACILITY DESIGNATION
First letter is BASIN DESIGNATOR
Following letter(s) are the FACILITY DESIGNATOR
PROPOSED PLANNED LOCAL DRAINAGE (PLD) AREA BOUNDARY
ENHANCED NATURAL CHANNEL
PROPOSED ENHANCED NATURAL CHANNEL
MAJOR CREEK FLOW
EXISTING DETENTION BASIN
PROPOSED SEDIMENTATION BASIN
EXISTING SEDIMENTATION BASIN
CITY OF CARLSBAD BOUNDARY

CITY OF CARLSBAD CALIFORNIA

PLATE B-4
MASTER PLAN OF DRAINAGE FACILITIES

PROJECT LOCATION	DATE	PROJECT NUMBER
CITY OF CARLSBAD	NOV 2007	128290

BROWN AND CALDWELL
SAN DIEGO, CALIFORNIA



LEGEND

EXISTING STORM DRAINS
- UNDER 12"
- 15" TO 24"
- 30" TO 48"
- ABOVE 48"
- DITCH
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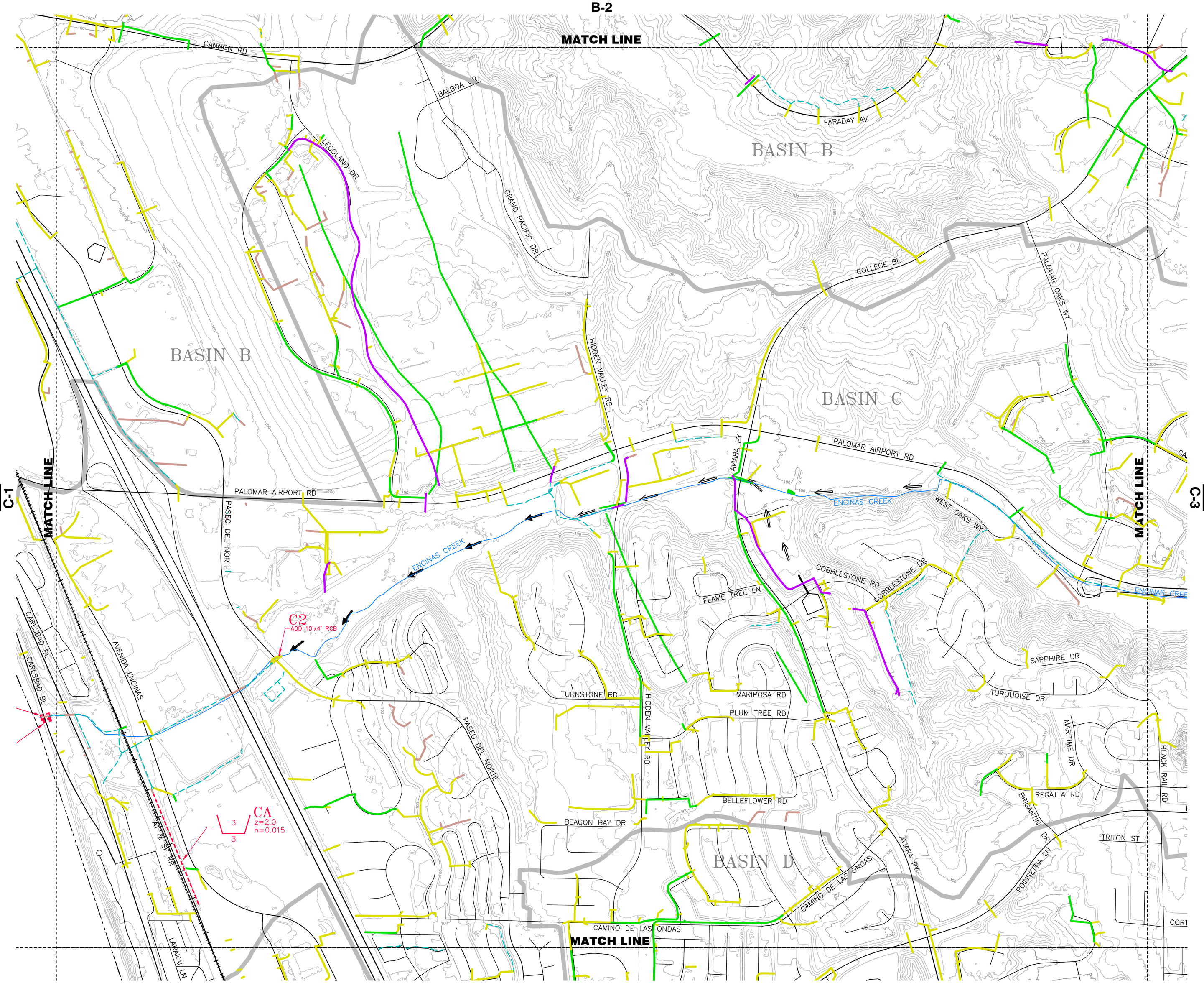
- ENHANCED NATURAL CHANNEL
- PROPOSED ENHANCED NATURAL CHANNEL
- MAJOR CREEK FLOW
- EXISTING DETENTION BASIN
- PROPOSED SEDIMENTATION BASIN
- EXISTING SEDIMENTATION BASIN
- CITY OF CARLSBAD BOUNDARY

CITY OF CARLSBAD CALIFORNIA

PLATE C-1
MASTER PLAN OF DRAINAGE FACILITIES

PROJECT LOCATION	DATE	PROJECT NUMBER
CITY OF CARLSBAD	NOV 2007	128290

BROWN AND CALDWELL
SAN DIEGO, CALIFORNIA



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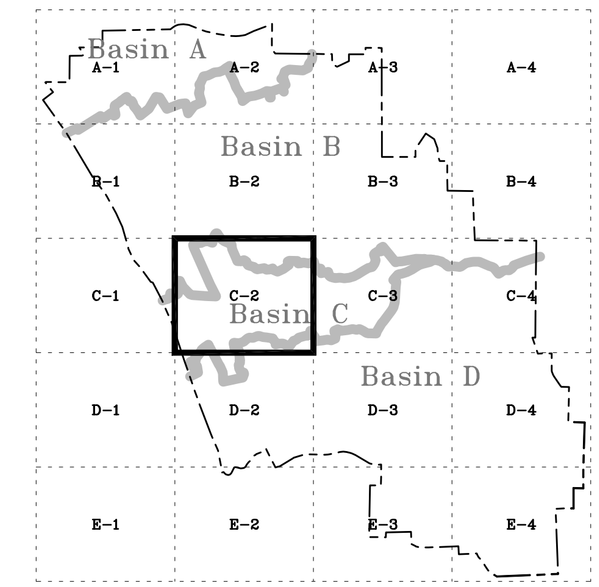

N

0 500
SCALE IN FEET

LEGEND

EXISTING STORM DRAINS
- UNDER 12"
- 15" TO 24"
- 30" TO 48"
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- ENHANCED NATURAL CHANNEL
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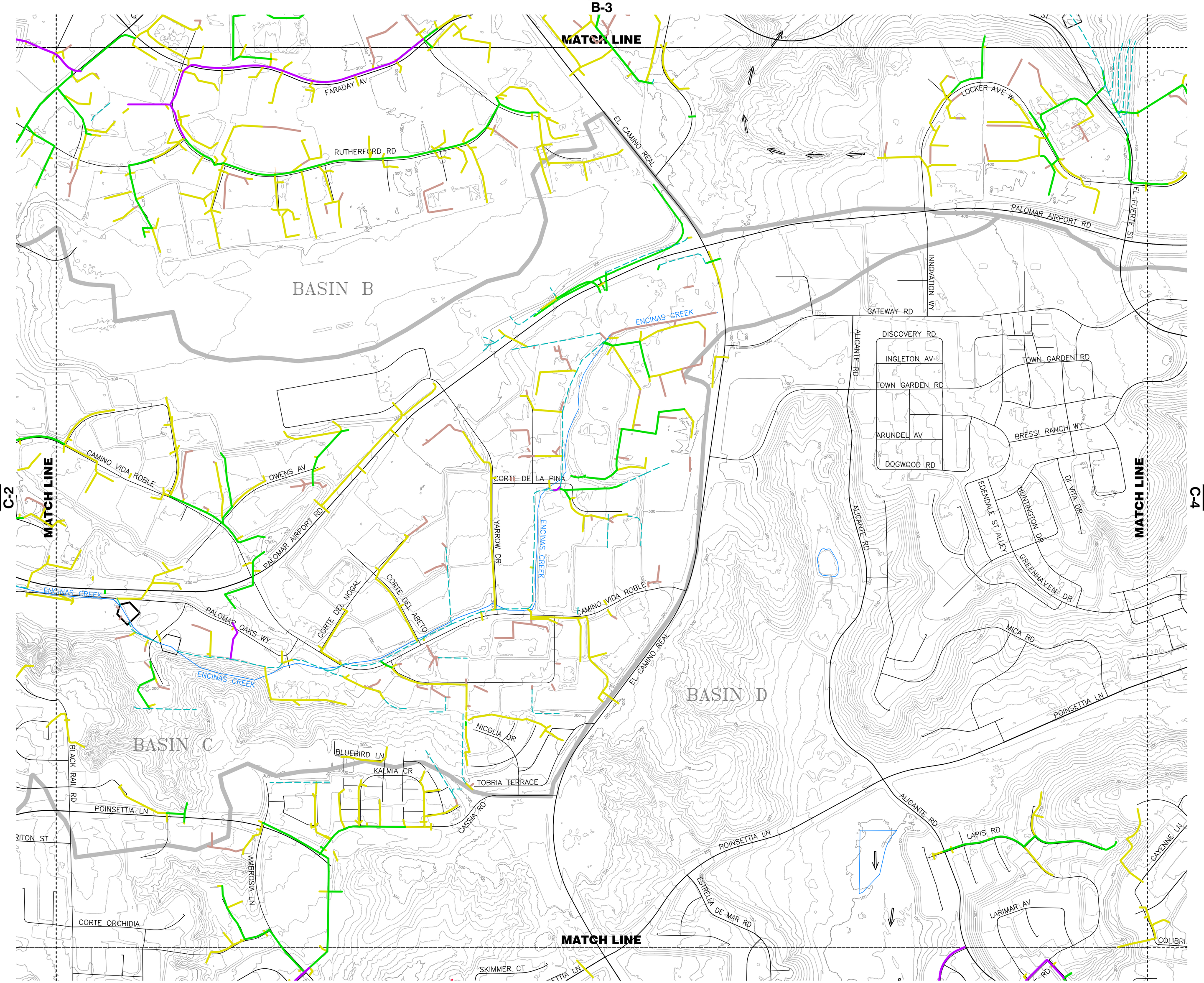
- MAJOR CREEK FLOW
- EXISTING DETENTION BASIN
- PROPOSED SEDIMENTATION BASIN
- EXISTING SEDIMENTATION BASIN
- CITY OF CARLSBAD BOUNDARY

CITY OF CARLSBAD CALIFORNIA

PLATE C-2
MASTER PLAN OF DRAINAGE FACILITIES

PROJECT LOCATION	DATE	PROJECT NUMBER
CITY OF CARLSBAD	NOV 2007	128290

BROWN AND CALDWELL
SAN DIEGO, CALIFORNIA



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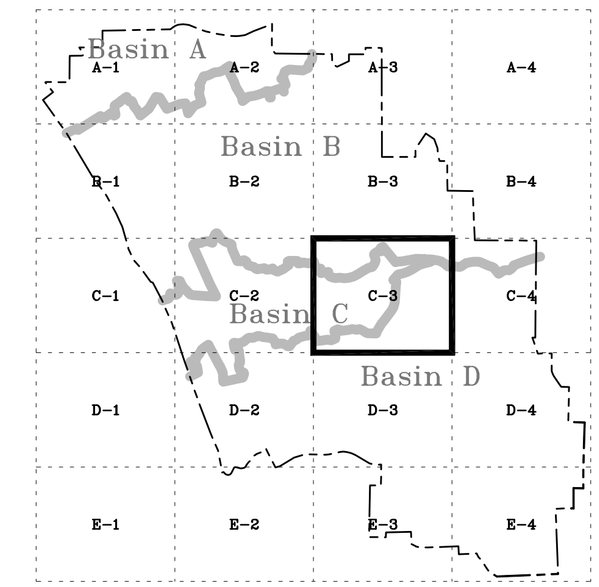

N

0 500
SCALE IN FEET

LEGEND

- EXISTING STORM DRAINS UNDER 12"
- 15" TO 24"
- 30" TO 48"
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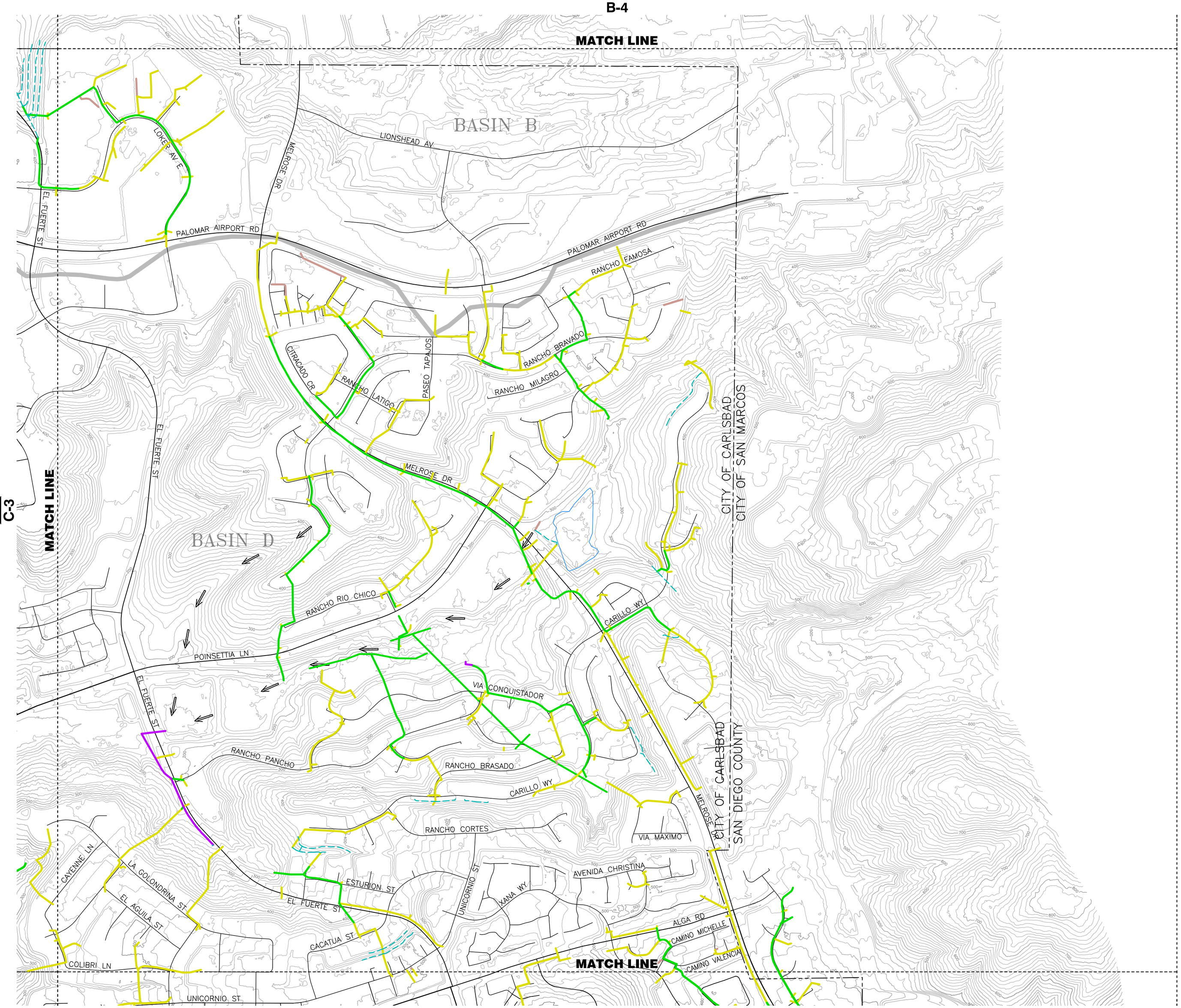
- EXISTING DETENTION BASIN
- PROPOSED SEDIMENTATION BASIN
- EXISTING SEDIMENTATION BASIN
- CITY OF CARLSBAD BOUNDARY

CITY OF CARLSBAD CALIFORNIA

PLATE C-3
MASTER PLAN OF DRAINAGE FACILITIES

PROJECT LOCATION	DATE	PROJECT NUMBER
CITY OF CARLSBAD	NOV 2007	128290

BROWN AND CALDWELL
SAN DIEGO, CALIFORNIA



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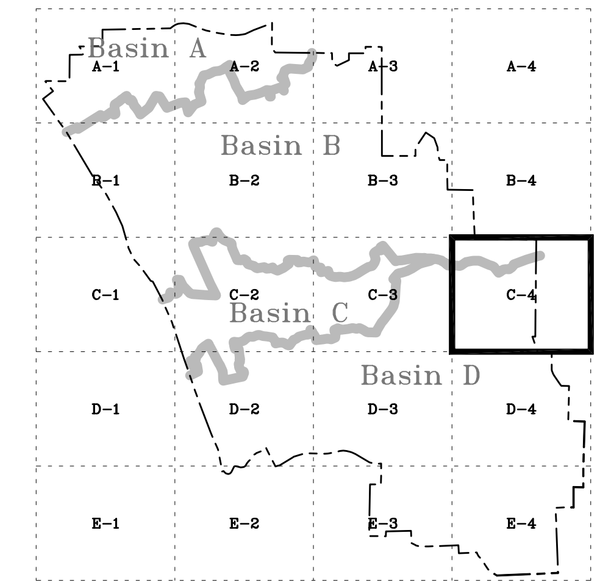

N

0 500
SCALE IN FEET

LEGEND

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- 15" TO 24"
- 30" TO 48"
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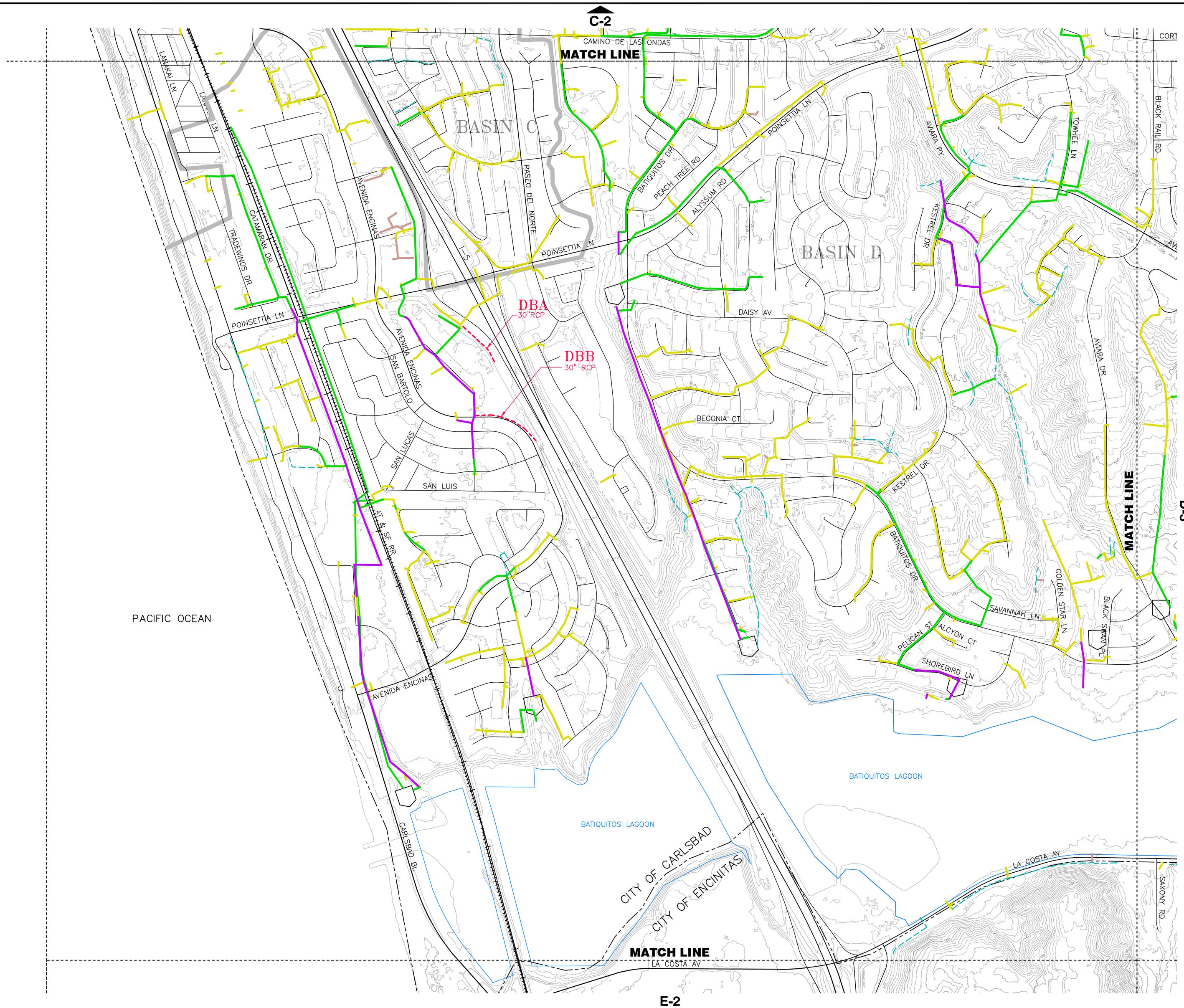
- EXISTING DETENTION BASIN
- PROPOSED SEDIMENTATION BASIN
- EXISTING SEDIMENTATION BASIN
- CITY OF CARLSBAD BOUNDARY

CITY OF CARLSBAD CALIFORNIA

PLATE C-4
MASTER PLAN OF DRAINAGE FACILITIES

PROJECT LOCATION	DATE	PROJECT NUMBER
CITY OF CARLSBAD	NOV 2007	128290

BROWN AND CALDWELL
SAN DIEGO, CALIFORNIA



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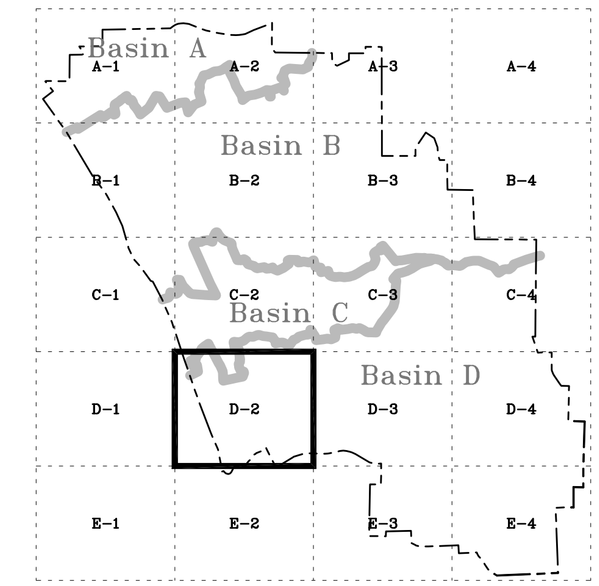

N

0 500
SCALE IN FEET

LEGEND

EXISTING STORM DRAINS
- UNDER 12"
- 15" TO 24"
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PROPOSED STORM DRAIN OR DRAINAGE FACILITY

LAKE, RESEVOIR, OR POND

RIVER OR STREAM

Basin A BUENA VISTA WATERSHED

Basin B AGUA HEDIONDA WATERSHED

Basin C ENCINAS CREEK WATERSHED

Basin D BATIQUITOS WATERSHED

WATERSHED DIVIDE

BM FACILITY DESIGNATION
First letter is BASIN DESIGNATOR
Following letter(s) are the FACILITY DESIGNATOR

PROPOSED PLANNED LOCAL DRAINAGE (PLD) AREA BOUNDARY

ENHANCED NATURAL CHANNEL

PROPOSED ENHANCED NATURAL CHANNEL

MAJOR CREEK FLOW

EXISTING DETENTION BASIN

PROPOSED SEDIMENTATION BASIN

EXISTING SEDIMENTATION BASIN

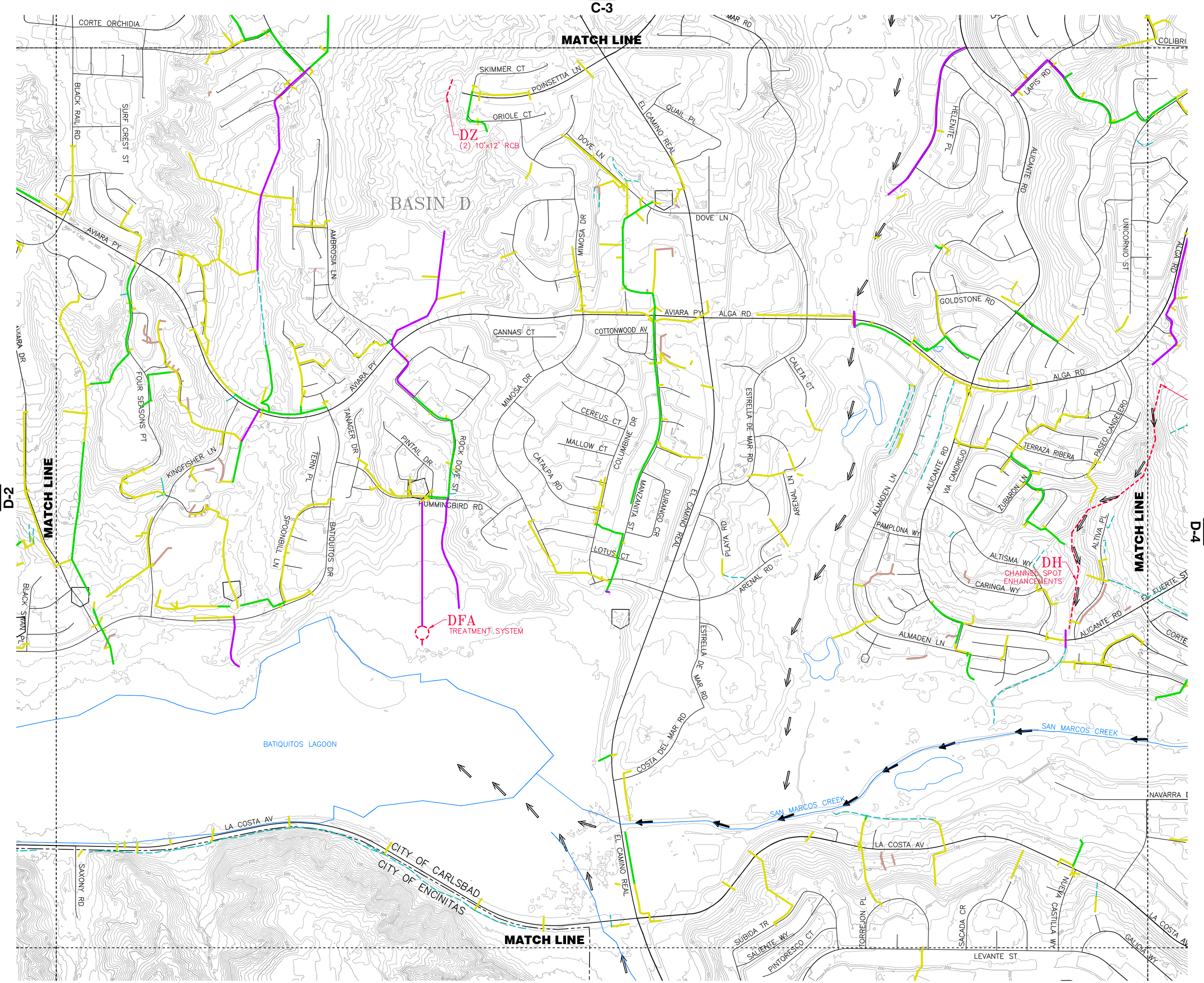
CITY OF CARLSBAD BOUNDARY

CITY OF CARLSBAD CALIFORNIA

PLATE D-2
MASTER PLAN OF DRAINAGE FACILITIES

PROJECT LOCATION	DATE	PROJECT NUMBER
CITY OF CARLSBAD	NOV 2007	128290

BROWN AND CALDWELL
SAN DIEGO, CALIFORNIA



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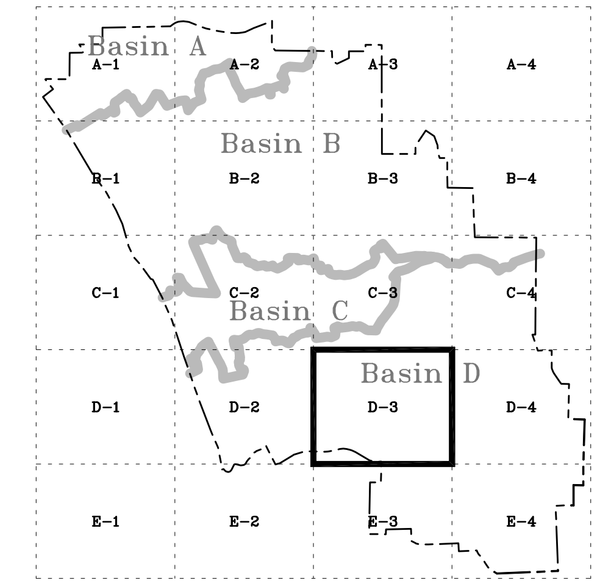

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0 500
SCALE IN FEET

LEGEND

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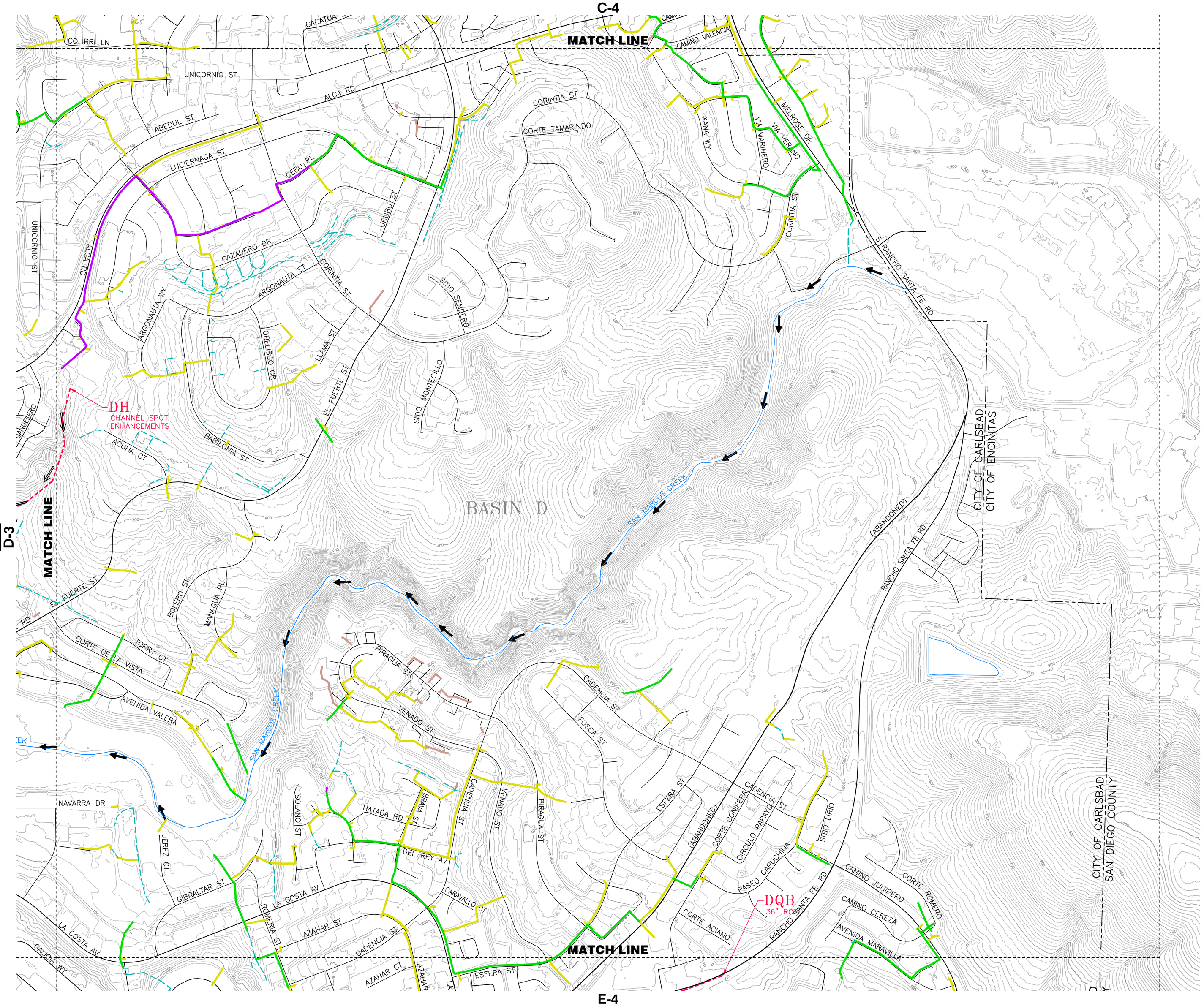
- PROPOSED ENHANCED NATURAL CHANNEL
- MAJOR CREEK FLOW
- EXISTING DETENTION BASIN
- PROPOSED SEDIMENTATION BASIN
- EXISTING SEDIMENTATION BASIN
- CITY OF CARLSBAD BOUNDARY

CITY OF CARLSBAD CALIFORNIA

PLATE D-3
MASTER PLAN OF DRAINAGE FACILITIES

PROJECT LOCATION	DATE	PROJECT NUMBER
CITY OF CARLSBAD	NOV 2007	128290

BROWN AND CALDWELL
SAN DIEGO, CALIFORNIA



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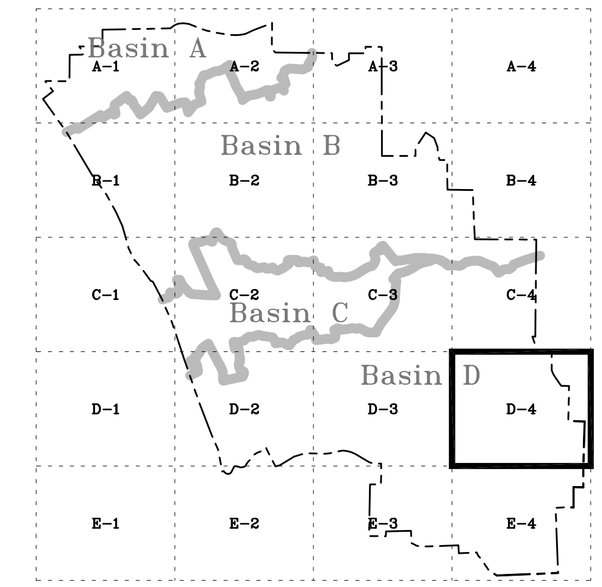


N

0 500
SCALE IN FEET

LEGEND

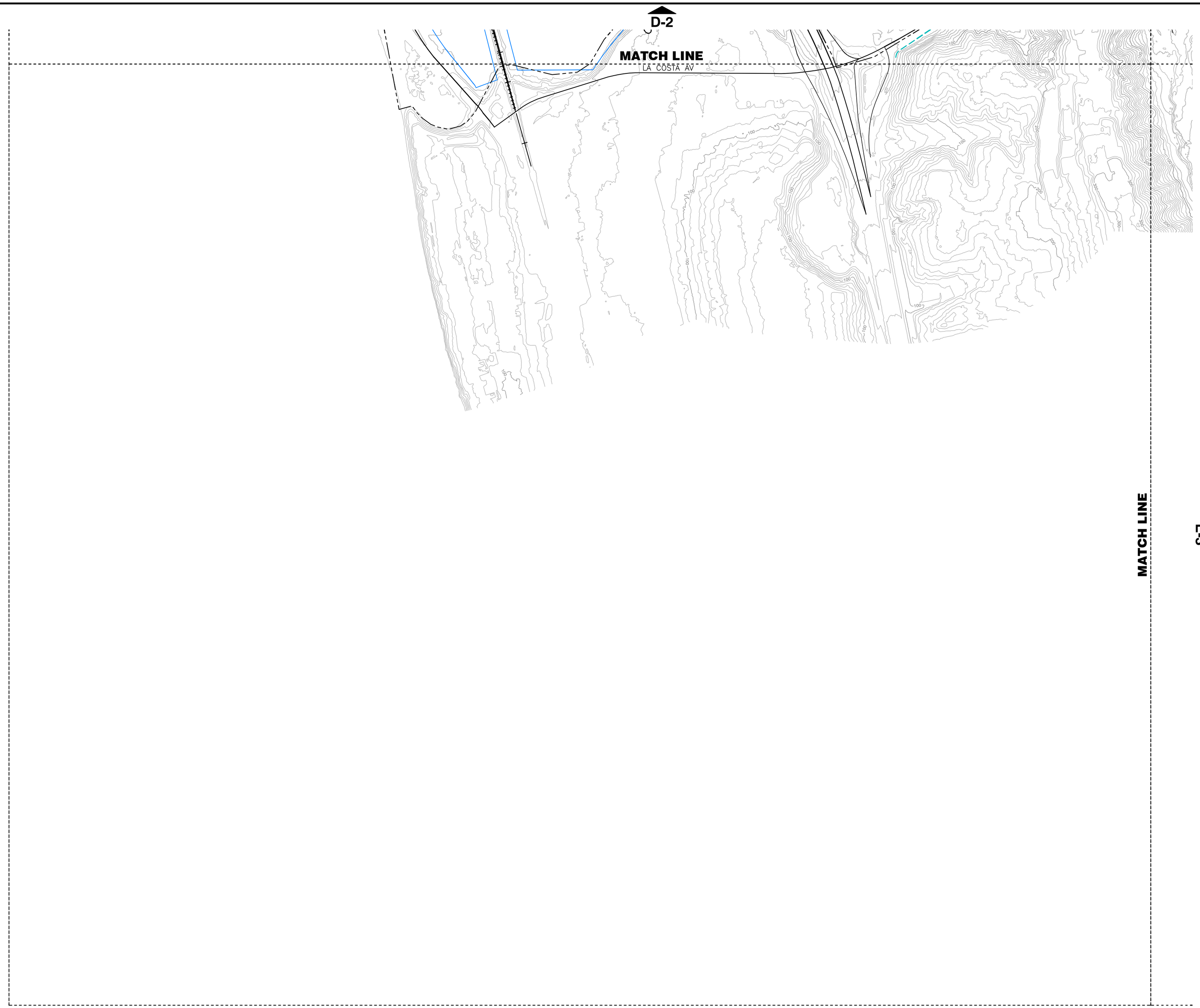
- EXISTING STORM DRAINS UNDER 12"
- 15" TO 24"
- 30" TO 48"
- ABOVE 48"
- DITCH
- PROPOSED STORM DRAIN OR DRAINAGE FACILITY
- LAKE, RESEVOIR, OR POND
- RIVER OR STREAM
- Basin A BUENA VISTA WATERSHED
- Basin B AGUA HEDIONDA WATERSHED
- Basin C ENCINAS CREEK WATERSHED
- Basin D BATIQUITOS WATERSHED
- WATERSHED DIVIDE
- BM FACILITY DESIGNATION First letter is BASIN DESIGNATOR Following letter(s) are the FACILITY DESIGNATOR
- PROPOSED PLANNED LOCAL DRAINAGE (PLD) AREA BOUNDARY
- ENHANCED NATURAL CHANNEL
- PROPOSED ENHANCED NATURAL CHANNEL
- MAJOR CREEK FLOW
- EXISTING DETENTION BASIN
- PROPOSED SEDIMENTATION BASIN
- EXISTING SEDIMENTATION BASIN
- CITY OF CARLSBAD BOUNDARY

CITY OF CARLSBAD CALIFORNIA

PLATE D-4
MASTER PLAN OF DRAINAGE FACILITIES

PROJECT LOCATION	DATE	PROJECT NUMBER
CITY OF CARLSBAD	NOV 2007	128290

BROWN AND CALDWELL
SAN DIEGO, CALIFORNIA



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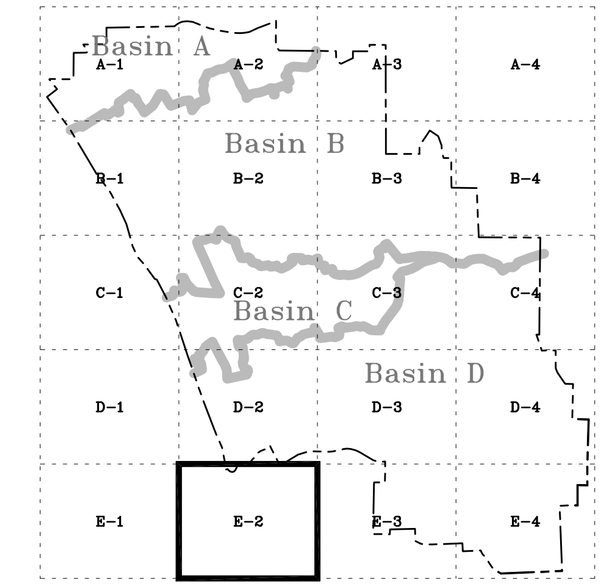


N

0 500
SCALE IN FEET

LEGEND

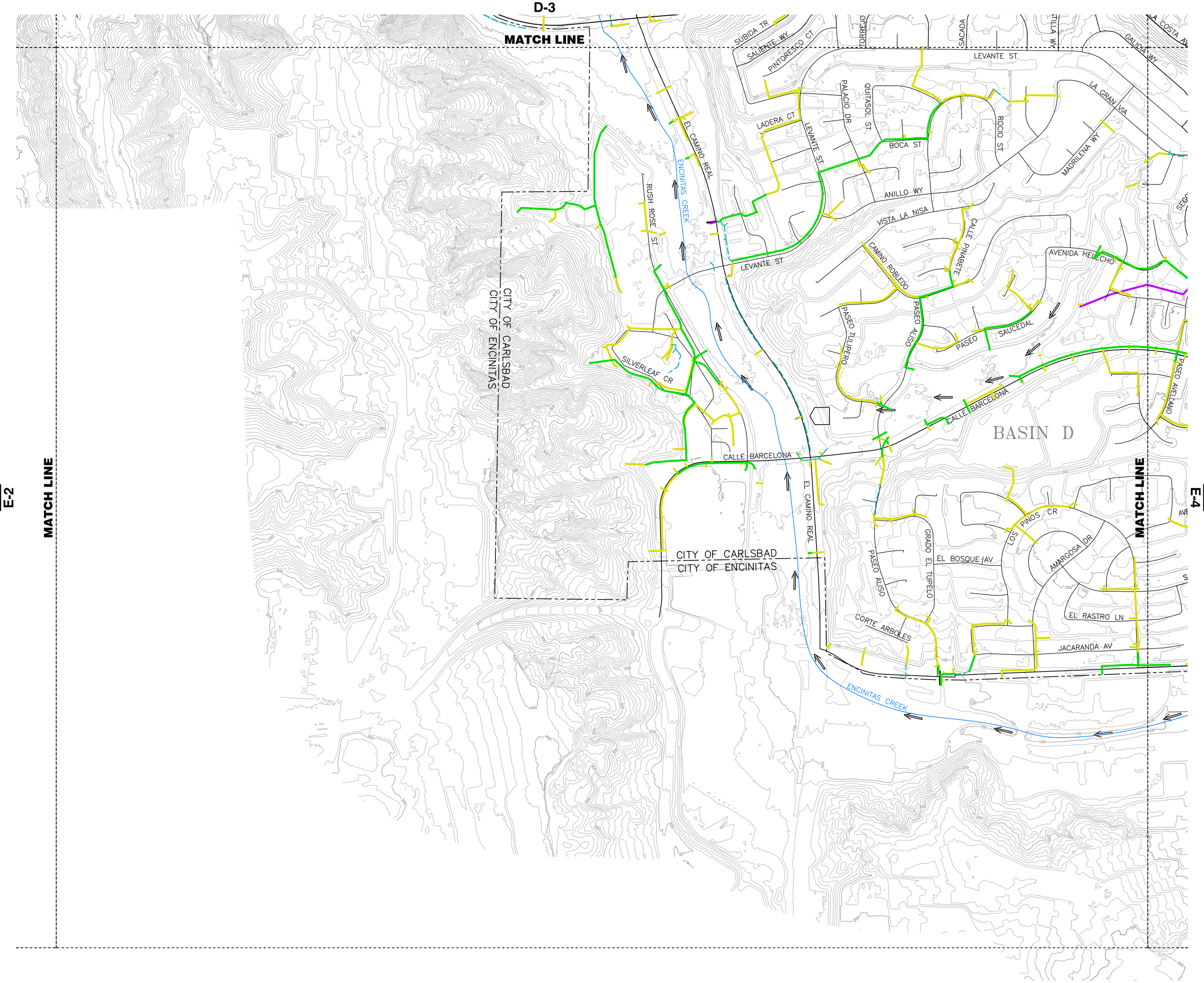
- EXISTING STORM DRAINS UNDER 12"
- 15" TO 24"
- 30" TO 48"
- ABOVE 48"
- DITCH
- PROPOSED STORM DRAIN OR DRAINAGE FACILITY
- LAKE, RESEVOIR, OR POND
- RIVER OR STREAM
- Basin A BUENA VISTA WATERSHED
- Basin B AGUA HEDIONDA WATERSHED
- Basin C ENCINAS CREEK WATERSHED
- Basin D BATIQUITOS WATERSHED
- WATERSHED DIVIDE
- BM FACILITY DESIGNATION
  First letter is BASIN DESIGNATOR
  Following letter(s) are the FACILITY DESIGNATOR
- PROPOSED PLANNED LOCAL DRAINAGE (PLD) AREA BOUNDARY
- ENHANCED NATURAL CHANNEL
- PROPOSED ENHANCED NATURAL CHANNEL
- MAJOR CREEK FLOW
- EXISTING DETENTION BASIN
- PROPOSED SEDIMENTATION BASIN
- EXISTING SEDIMENTATION BASIN
- CITY OF CARLSBAD BOUNDARY

CITY OF CARLSBAD CALIFORNIA

PLATE E-2
MASTER PLAN OF DRAINAGE FACILITIES

PROJECT LOCATION	DATE	PROJECT NUMBER
CITY OF CARLSBAD	NOV 2007	128290

BROWN AND CALDWELL
SAN DIEGO, CALIFORNIA



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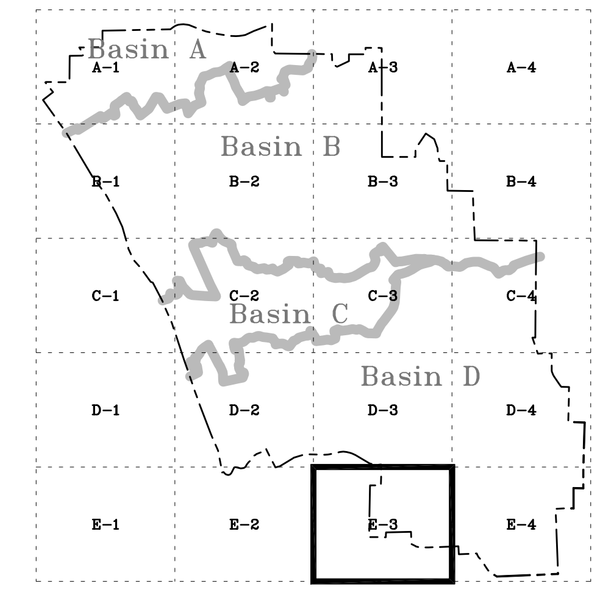

N

0 500
SCALE IN FEET

LEGEND

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- 15" TO 24"
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- DITCH
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- BM FACILITY DESIGNATION First letter is BASIN DESIGNATOR Following letter(s) are the FACILITY DESIGNATOR
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- ENHANCED NATURAL CHANNEL
- PROPOSED ENHANCED NATURAL CHANNEL
- MAJOR CREEK FLOW
- EXISTING DETENTION BASIN
- PROPOSED SEDIMENTATION BASIN
- EXISTING SEDIMENTATION BASIN
- CITY OF CARLSBAD BOUNDARY

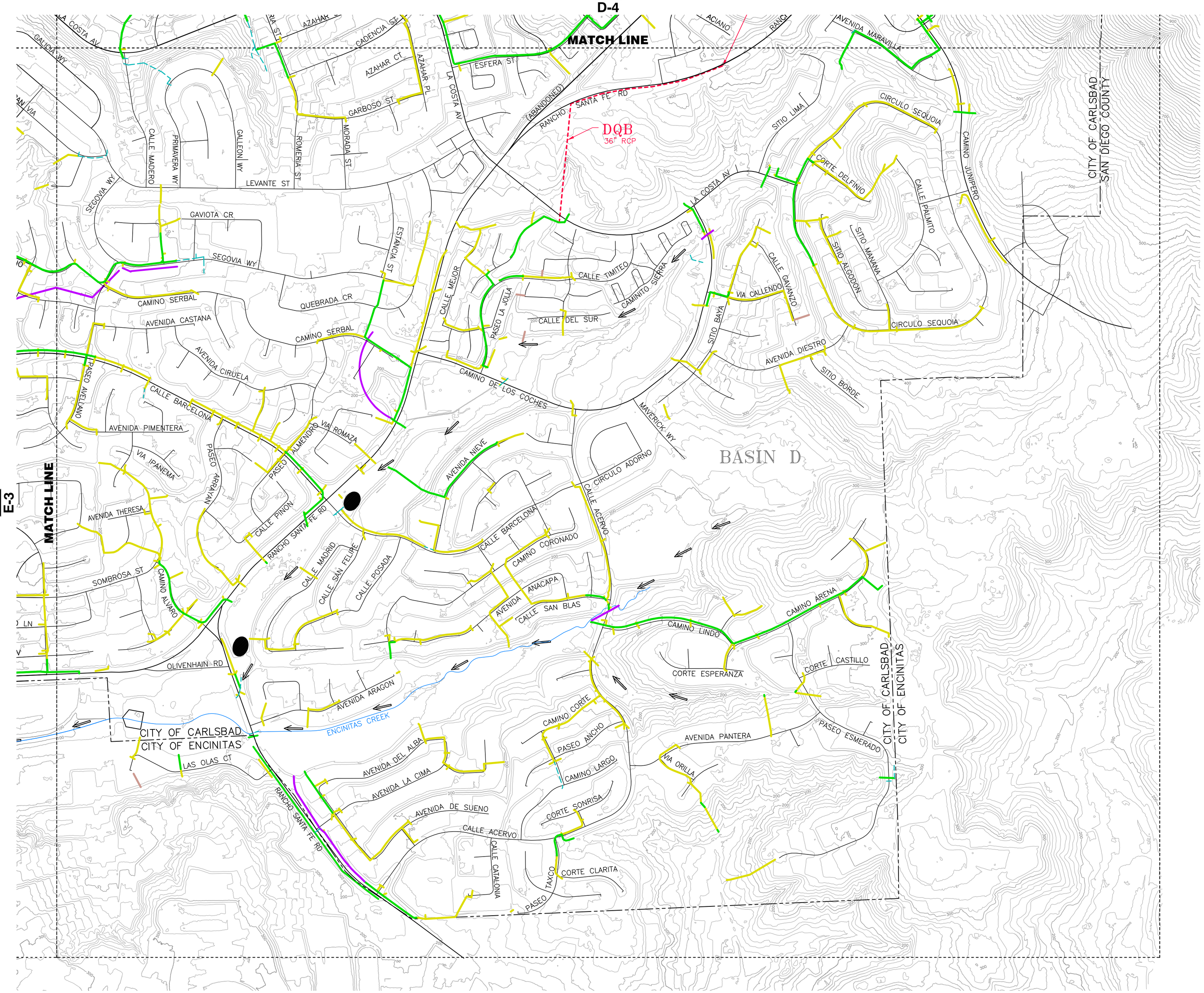
CITY OF CARLSBAD CALIFORNIA

PLATE E-3
MASTER PLAN OF DRAINAGE FACILITIES

PROJECT LOCATION	DATE	PROJECT NUMBER
CITY OF CARLSBAD	NOV 2007	128290

BROWN AND CALDWELL
SAN DIEGO, CALIFORNIA

eeflea | Project:\Carlsbad, City of (CA)\128290-Carlsbad . . . Sheets 1000-4000 cadrend.DWG | 11/13/07 08:32pm | Ref Files : Rsoads2.dwg : Water.dwg : contours 4-2005 Every10th.dwg : Rsoads3717.dwg : Carlsbad Logo.jpg



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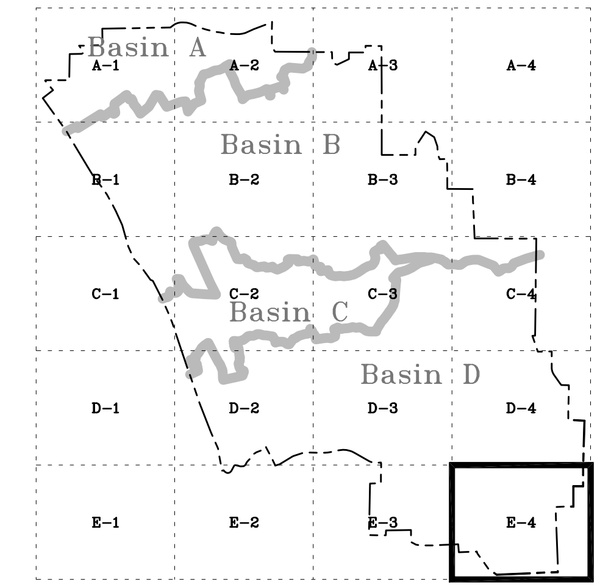

N

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SCALE IN FEET

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- PROPOSED ENHANCED NATURAL CHANNEL
- MAJOR CREEK FLOW
- EXISTING DETENTION BASIN
- PROPOSED SEDIMENTATION BASIN
- EXISTING SEDIMENTATION BASIN
- CITY OF CARLSBAD BOUNDARY

CITY OF CARLSBAD CALIFORNIA

PLATE E-4
MASTER PLAN OF DRAINAGE FACILITIES

PROJECT LOCATION	DATE	PROJECT NUMBER
CITY OF CARLSBAD	NOV 2007	126290

BROWN AND CALDWELL
SAN DIEGO, CALIFORNIA