

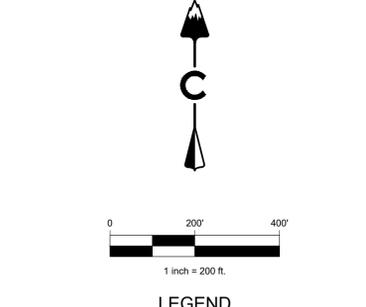
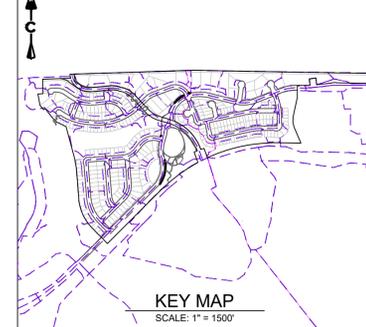
| DATE   | BY    | REVISION DESCRIPTION |
|--------|-------|----------------------|
| XXXXXX | XXX   |                      |
| 1      | DRAFT |                      |

**PRAIRIE POINT, FILING NO. 2**  
AURORA, CO  
PRELIMINARY DRAINAGE REPORT  
OVERALL DRAINAGE MAP

DESIGNED BY: JK  
DRAWN BY: DG  
CHECKED BY: MHN

JOB NO. 19-032  
SHEET 1

NOT FOR CONSTRUCTION



| EXISTING          | PROPOSED         | DESIGNATION                     |
|-------------------|------------------|---------------------------------|
| X<br>AREA<br>XX.X | X<br>AREA<br>XXX | BASIN DESIGNATION               |
|                   |                  | 5 YEAR COEFFICIENTS             |
|                   |                  | 100 YEAR COEFFICIENTS           |
|                   |                  | DESIGN POINT                    |
|                   |                  | DIRECTIONAL FLOW ARROW          |
|                   |                  | EMERGENCY OVERFLOW ROUTE        |
|                   |                  | PROPOSED DRAINAGE BASIN         |
|                   |                  | EXISTING DRAINAGE BASIN         |
|                   |                  | PROPOSED MAJOR CONTOUR          |
|                   |                  | PROPOSED MINOR CONTOUR          |
|                   |                  | EXISTING MAJOR CONTOUR          |
|                   |                  | EXISTING MINOR CONTOUR          |
|                   |                  | EASEMENT                        |
|                   |                  | RIGHT OF WAY (R.O.W.)           |
|                   |                  | CENTERLINE                      |
|                   |                  | PROJECT BOUNDARY                |
|                   |                  | PROPOSED STORM & STUB OUT       |
|                   |                  | EXISTING STORM & STUB OUT       |
|                   |                  | STORM MANHOLES                  |
|                   |                  | STORM INLETS                    |
|                   |                  | FES, FOREBAY, & TRICKLE CHANNEL |
|                   |                  | OUTLET STRUCTURE                |
|                   |                  | CRUSHER FINES                   |
|                   |                  | MAINTENANCE ACCESS              |
|                   |                  | RIPRAP                          |
|                   |                  | FLOODPLAIN                      |
|                   |                  | WETLAND                         |
|                   |                  | LIMITS OF CONSTRUCTION          |
|                   |                  | MAJOR DRAINAGE BASIN            |
|                   |                  | DRAINAGE SWALE                  |
|                   |                  | PART OF ISP EAST SUBMITTAL      |



**Peak Flow Summary - Basin A**

| Sub-Basin          | Design Point | Basin Tributary Area (AC) | 2-YR C | 100-YR C | 2-YR Q (CFS) | 100 YR Q (CFS) | % Impervious |         |
|--------------------|--------------|---------------------------|--------|----------|--------------|----------------|--------------|---------|
| PA7                |              | 4.25                      | 0.22   | 0.29     | 3.1          | 11.2           | 10.76%       |         |
| PA8.1              |              | 15.10                     | 1.38   | 0.58     | 0.73         | 2.7            | 9.0          | 60.48%  |
| PA8.2              |              | 15.20                     | 1.97   | 0.51     | 0.64         | 3.3            | 11.3         | 49.76%  |
| PA9.1              |              | 16.10                     | 1.29   | 0.71     | 0.82         | 3.0            | 9.5          | 77.72%  |
| PA9.2              |              | 16.20                     | 3.73   | 0.50     | 0.67         | 6.1            | 22.4         | 48.39%  |
| PA9.3              |              | 16.30                     | 0.30   | 0.45     | 0.64         | 0.5            | 1.7          | 42.47%  |
| PA9.4              |              | 16.40                     | 2.26   | 0.58     | 0.73         | 4.3            | 14.8         | 60.32%  |
| PA9.5 <sup>1</sup> |              | 16.50                     | 0.54   | 0.63     | 0.76         | 1.1            | 3.7          | 67.27%  |
| PA10               |              | 10.00                     | 1.13   | 0.70     | 0.81         | 2.6            | 8.2          | 76.30%  |
| PA11               |              | 9.00                      | 0.41   | 0.87     | 0.93         | 1.2            | 3.4          | 100.00% |
| PA13               |              | 17.00                     | 0.70   | 0.52     | 0.69         | 1.2            | 4.3          | 52.13%  |
| PA14               |              | 18.00                     | 0.41   | 0.82     | 0.89         | 1.1            | 3.3          | 92.79%  |
| PA15               |              | 20.00                     | 0.82   | 0.38     | 0.43         | 1.0            | 3.1          | 36.30%  |
| PA16               |              | 36.00                     | 1.85   | 0.54     | 0.70         | 3.3            | 11.6         | 54.26%  |
| PA17               |              | 22.00                     | 2.37   | 0.45     | 0.56         | 3.5            | 11.9         | 43.00%  |
| PA18               |              | 23.00                     | 1.85   | 0.56     | 0.71         | 3.4            | 11.8         | 56.73%  |
| PA19.1             |              | 24.10                     | 0.41   | 0.71     | 0.82         | 1.0            | 3.0          | 78.33%  |
| PA19.2             |              | 24.20                     | 0.93   | 0.56     | 0.71         | 1.7            | 5.9          | 57.26%  |
| PA19.3             |              | 24.30                     | 1.15   | 0.63     | 0.76         | 2.4            | 7.9          | 67.08%  |
| PA20               |              | 37.00                     | 1.12   | 0.63     | 0.76         | 2.3            | 7.6          | 66.67%  |
| OS3                |              | 113.00                    | 3.32   | 0.27     | 0.38         | 2.9            | 11.3         | 8.39%   |
| OS4                |              | 114.00                    | 5.73   | 0.39     | 0.58         | 7.3            | 29.7         | 32.04%  |
| OS5                |              | 115.00                    | 2.75   | 0.38     | 0.57         | 3.5            | 14.1         | 31.49%  |

**Peak Flow Summary - Basin B**

| Sub-Basin           | Design Point | Basin Tributary Area (AC) | 2-YR C | 100-YR C | 2-YR Q (CFS) | 100 YR Q (CFS) | % Impervious |         |
|---------------------|--------------|---------------------------|--------|----------|--------------|----------------|--------------|---------|
| PB11B <sup>2</sup>  |              | 93.00                     | 0.45   | 0.62     | 0.67         | 0.9            | 2.7          | 65.34%  |
| PB11C <sup>2</sup>  |              | 95.00                     | 2.36   | 0.56     | 0.64         | 4.3            | 13.5         | 56.70%  |
| PB12 <sup>2</sup>   |              | 79.00                     | 0.96   | 0.79     | 0.87         | 2.5            | 7.5          | 88.74%  |
| PB14 <sup>2</sup>   |              | 90.00                     | 2.71   | 0.49     | 0.57         | 4.4            | 13.9         | 49.37%  |
| PB15 <sup>2</sup>   |              | 25.00                     | 0.42   | 0.62     | 0.68         | 0.9            | 2.5          | 67.78%  |
| PB16 <sup>2</sup>   |              | 26.00                     | 0.87   | 0.47     | 0.59         | 1.4            | 4.6          | 46.53%  |
| PB17 <sup>2</sup>   |              | 28.00                     | 2.18   | 0.39     | 0.47         | 2.8            | 9.2          | 35.88%  |
| PB18                |              | 27.00                     | 0.72   | 0.41     | 0.53         | 1.0            | 3.5          | 38.66%  |
| PB21 <sup>2</sup>   |              | 33.00                     | 0.32   | 0.87     | 0.93         | 0.9            | 2.6          | 100.00% |
| PB22 <sup>2</sup>   |              | 34.00                     | 0.39   | 0.87     | 0.93         | 1.1            | 3.3          | 100.00% |
| PB23.1              |              | 46.01                     | 2.14   | 0.48     | 0.66         | 3.4            | 12.6         | 45.93%  |
| PB23.2              |              | 46.02                     | 2.73   | 0.45     | 0.64         | 4.1            | 15.6         | 42.22%  |
| PB23.3              |              | 46.03                     | 1.17   | 0.58     | 0.73         | 2.3            | 7.7          | 60.52%  |
| PB23.4              |              | 46.12                     | 1.92   | 0.62     | 0.75         | 3.9            | 13.0         | 65.19%  |
| PB24.1              |              | 46.06                     | 1.52   | 0.50     | 0.67         | 2.5            | 9.2          | 49.23%  |
| PB24.2              |              | 46.09                     | 2.76   | 0.49     | 0.67         | 4.5            | 16.5         | 48.03%  |
| PB24.3              |              | 46.10                     | 1.21   | 0.64     | 0.77         | 2.6            | 8.4          | 68.07%  |
| PB24.4              |              | 46.14                     | 0.31   | 0.74     | 0.84         | 0.8            | 2.4          | 81.76%  |
| PB24.5              |              | 46.15                     | 2.05   | 0.49     | 0.66         | 3.3            | 12.2         | 47.00%  |
| PB24.6              |              | 46.16                     | 0.19   | 0.87     | 0.93         | 0.5            | 1.6          | 100.00% |
| PB24.7              |              | 46.19                     | 2.20   | 0.49     | 0.66         | 3.6            | 13.1         | 47.71%  |
| PB24.8              |              | 46.20                     | 2.98   | 0.51     | 0.68         | 5.0            | 18.1         | 50.43%  |
| PB24.9 <sup>2</sup> |              | 46.21                     | 2.56   | 0.62     | 0.75         | 5.2            | 17.3         | 64.88%  |
| PB25.2 <sup>2</sup> |              | 47.00                     | 10.31  | 0.37     | 0.46         | 12.4           | 42.2         | 33.25%  |
| PB26.1              |              | 50.00                     | 1.57   | 0.59     | 0.73         | 3.1            | 10.4         | 61.37%  |
| PB26.2              |              | 49.10                     | 1.67   | 0.51     | 0.66         | 2.8            | 9.9          | 49.92%  |
| PB26.3              |              | 49.20                     | 2.61   | 0.61     | 0.75         | 4.5            | 15.1         | 51.1%   |
| PB27 <sup>2</sup>   |              | 51.00                     | 1.10   |          |              |                |              | 76.6%   |
| PB28                |              | 56.00                     | 1.26   |          |              |                |              | 10.9%   |
| PB29 <sup>2</sup>   |              | 53.00                     | 2.25   |          |              |                |              | 6.3%    |
| PB30 <sup>2</sup>   |              | 52.10                     | 1.05   | 0.34     | 0.70         | 1.9            | 6.6          | 54.88%  |
| PB31                |              | 57.00                     | 1.61   | 0.55     | 0.69         | 3.0            | 10.4         | 57.48%  |
| PB32 <sup>2</sup>   |              | 59.00                     | 1.09   | 0.50     | 0.62         | 1.8            | 6.1          | 50.38%  |
| PB33.1              |              | 60.00                     | 0.81   | 0.60     | 0.74         | 1.6            | 5.4          | 62.01%  |
| PB33.2              |              | 62.10                     | 2.78   | 0.52     | 0.69         | 4.8            | 17.2         | 51.97%  |
| PB34                |              | 61.30                     | 1.78   | 0.48     | 0.65         | 2.8            | 10.4         | 45.33%  |
| PB35.1              |              | 61.10                     | 1.50   | 0.17     | 0.47         | 1.2            | 8.7          | 43.55%  |
| PB35.2              |              | 61.20                     | 2.06   | 0.57     | 0.72         | 3.9            | 13.4         | 58.96%  |
| PB36.1              |              | 63.20                     | 1.62   | 0.49     | 0.64         | 2.6            | 9.3          | 48.40%  |
| PB36.2              |              | 63.10                     | 1.72   | 0.61     | 0.75         | 3.5            | 11.6         | 64.03%  |
| PB37                |              | 119.00                    | 2.36   | 0.27     | 0.38         | 2.1            | 8.1          | 20.65%  |
| PB38 <sup>2</sup>   |              | 64.00                     | 2.97   | 0.44     | 0.55         | 4.3            | 14.7         | 43.06%  |
| OS6                 |              | 116.00                    | 2.97   | 0.37     | 0.55         | 3.6            | 14.7         | 10.00%  |
| OS7                 |              | 117.00                    | 1.76   | 0.39     | 0.58         | 2.3            | 9.2          | 10.00%  |
| OS8                 |              | 118.00                    | 2.86   | 0.36     | 0.54         | 3.4            | 13.9         | 10.00%  |

<sup>1</sup> Inlet lies in sump conditions  
<sup>2</sup> Sub-Basin exists partially within ISP East documents

\*MHFD does not recommend the use of Rational Method Calculations for Basins with Tributary area larger than 90 acres. Refer to Master Drainage report by CORE Consultants for CUHP/SWMM analysis.

Ref to COA benchmark on NAVD88 is required on all sheets showing elevation data.

Note 5 would indicate that any public infrastructure is labeled PUBLIC but this was not found on plans. Streets are public per site plan so then storm lines in them are public also. Please clearly indicate public vs private for all infrastructure.

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  - THE BASIS OF THE KRAGELUND TRIBUTARY FLOOD HAZARD AREAS IS THE CHERRY CREEK TRIBUTARY MINOR TRIBUTARY FHAD PREPARED BY DEWBERRY, AND APPROVED IN 2021.
  - WORK IN THE FLOODPLAIN REQUIRES A FLOODPLAIN DEVELOPMENT PERMIT.
  - WORK IN FLOODWAY REQUIRES CLOMR OR NO RISE CERTIFICATION LETTER.

APPROVED FOR ONE YEAR FROM THIS DATE

CITY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

WATER DEPARTMENT \_\_\_\_\_ DATE \_\_\_\_\_

Site plan and drainage plan submitted are required to match. Some differences are that site plan appears to show ponds and S Ireland Way which are excluded here on the PD Plan.

Labels needed on existing contours

Please label any retaining walls and include a concept-level section with max ht, property line, any footer, shown.

Please include references to EDN or RSN for all adjacent plan sets.

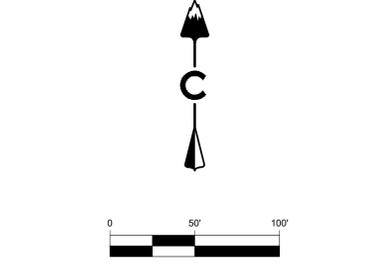
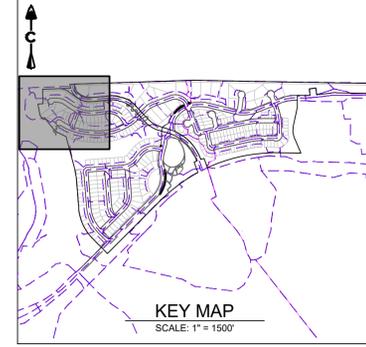
Show all easements for ponds and other drainage related infrastructure

Please label all sump inlets

In addition to the exis 100yr and 500yr limits shown here, show on all sheets:  
 - Exis Floodway  
 - Exist BFE's

Antelope Creek construction is shown on a separate set of plans:  
 - Please ref the RSN for those plans on all sheets (1662021)  
 - Separate sheets are needed to show how this Prairie Point site ties into proposed new Antelope Creek grading.  
 - Those separate sheets should also show proposed Floodplain limits and 100yr WSEL's

Show tract or easement to be dedicated for Antelope Creek per Antelope Creek plans.



**LEGEND**

| EXISTING | PROPOSED | DESCRIPTION                     |
|----------|----------|---------------------------------|
|          |          | BASIN DESIGNATION               |
|          |          | 5 YEAR COEFFICIENTS             |
|          |          | 100 YEAR COEFFICIENTS           |
|          |          | DIRECTIONAL FLOW ARROW          |
|          |          | EMERGENCY OVERFLOW ROUTE        |
|          |          | PROPOSED DRAINAGE BASIN         |
|          |          | EXISTING DRAINAGE BASIN         |
|          |          | PROPOSED MAJOR CONTOUR          |
|          |          | PROPOSED MINOR CONTOUR          |
|          |          | EXISTING MAJOR CONTOUR          |
|          |          | EXISTING MINOR CONTOUR          |
|          |          | EASEMENT                        |
|          |          | RIGHT OF WAY (R.O.W.)           |
|          |          | CENTERLINE                      |
|          |          | PROJECT BOUNDARY                |
|          |          | PROPOSED STORM & STUB OUT       |
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|          |          | STORM MANHOLES                  |
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|          |          | OUTLET STRUCTURE                |
|          |          | CRUSHER FINES                   |
|          |          | MAINTENANCE ACCESS              |
|          |          | RIPRAP                          |
|          |          | FLOODPLAIN                      |
|          |          | WETLAND                         |
|          |          | LIMITS OF CONSTRUCTION          |
|          |          | MAJOR DRAINAGE BASIN            |
|          |          | DRAINAGE SWALE                  |
|          |          | PART OF ISP EAST SUBMITTAL      |

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**CORE CONSULTANTS, INC.**  
 LAND DEVELOPMENT  
 ENERGY  
 PUBLIC INFRASTRUCTURE

3473 S. BROADWAY  
 AURORA, CO 80013  
 303.703.4444  
 LIVEYOURCORE.COM

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| DATE   | BY   | REVISION DESCRIPTION |
|--------|------|----------------------|
| XXXXXX | XXX  |                      |
| 1      | DRWT |                      |

**PRAIRIE POINT, FILING NO.2**  
 AURORA, CO

**PRELIMINARY DRAINAGE REPORT**  
 DETAILED DRAINAGE MAP (1 OF 8)

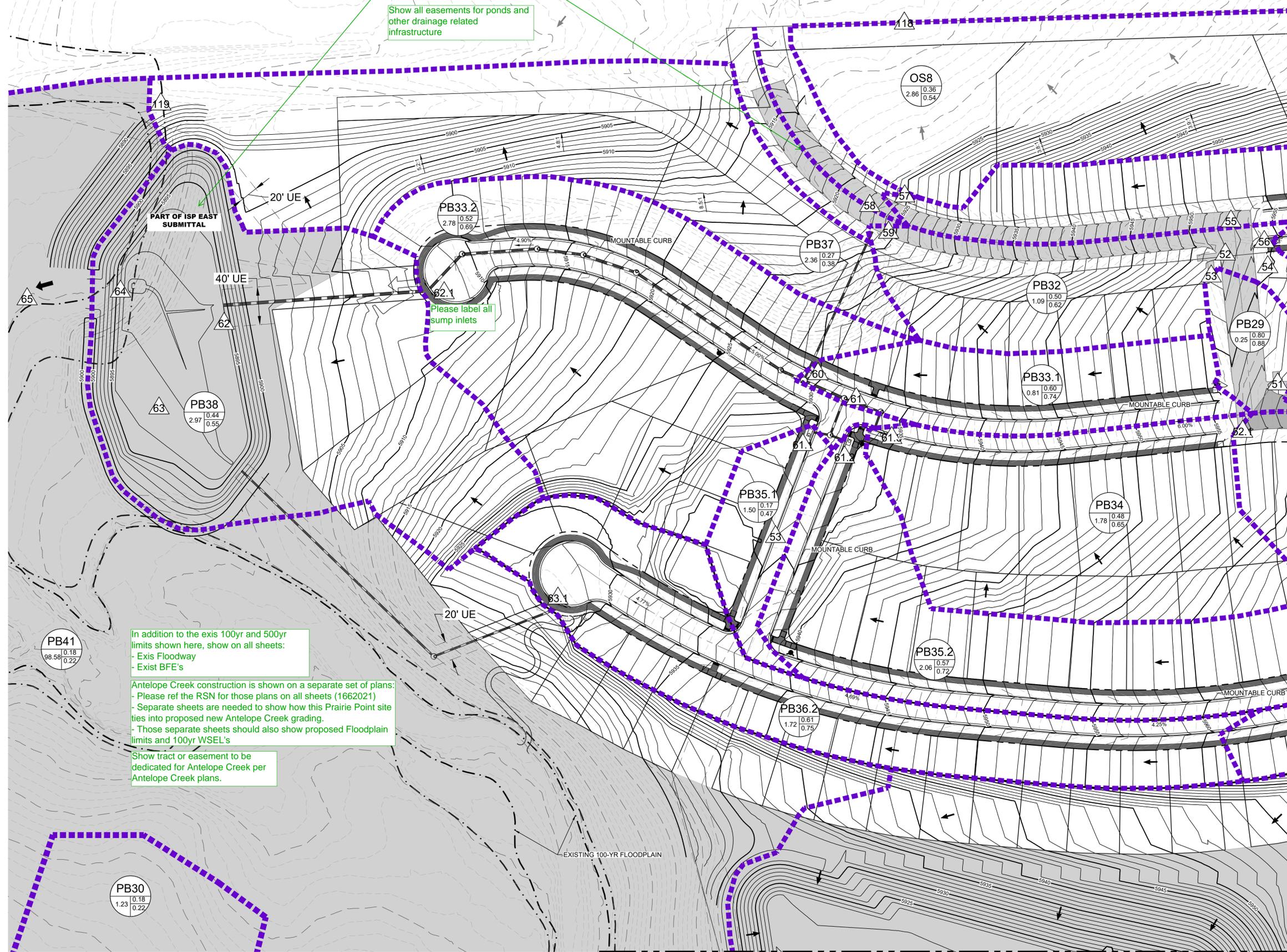
**NOT FOR CONSTRUCTION**

DESIGNED BY: JK  
 DRAWN BY: DG  
 CHECKED BY: MHN

JOB NO.  
 19-032

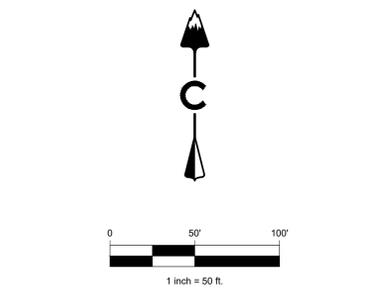
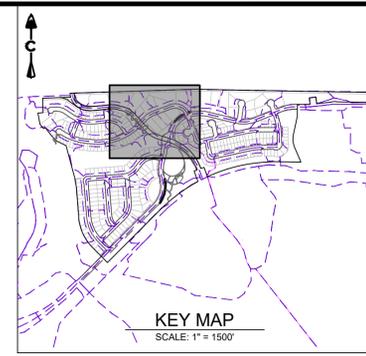
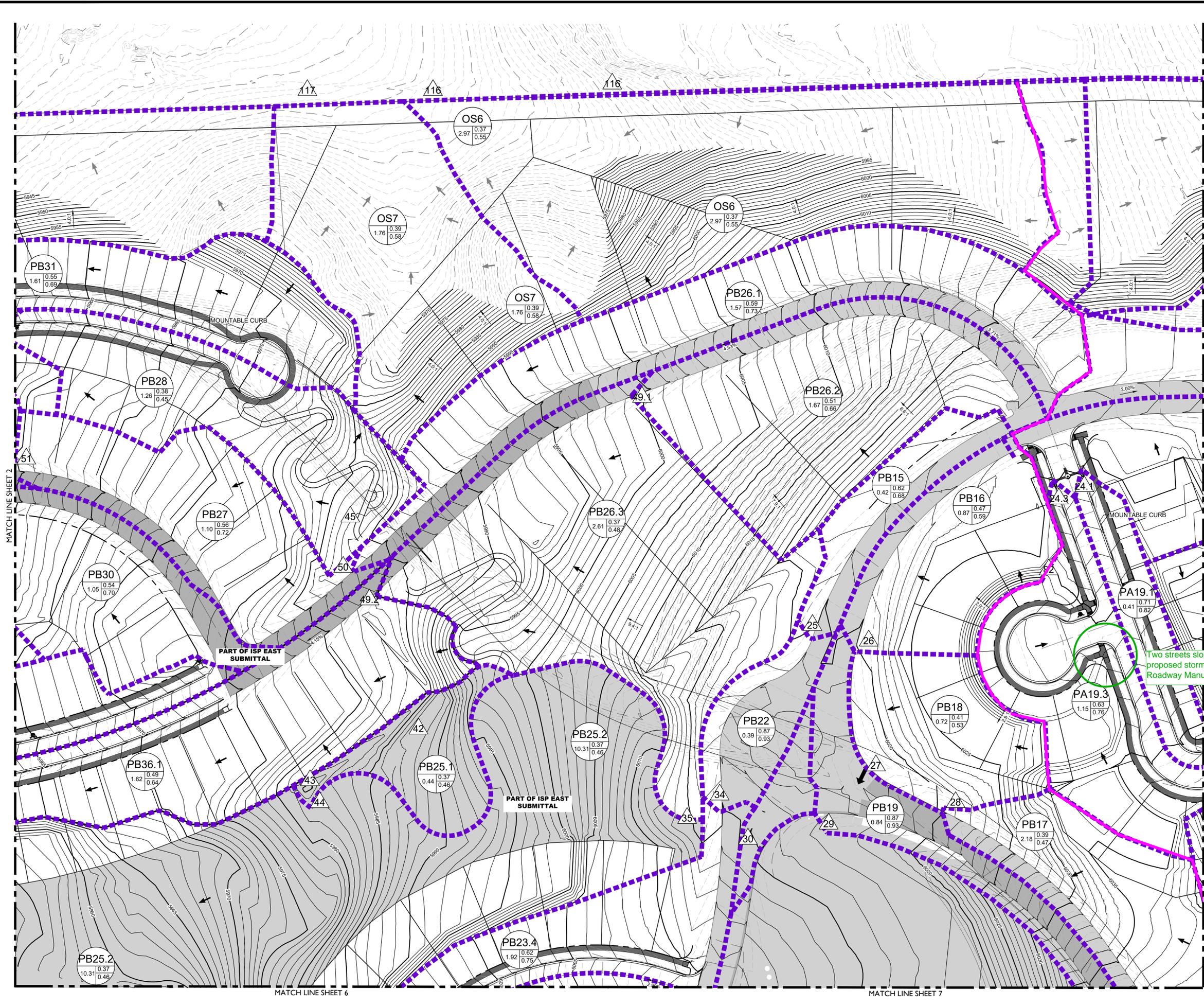
SHEET  
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MATCH LINE SHEET 6

MATCH LINE SHEET 3



**LEGEND**

| EXISTING | PROPOSED | DESCRIPTION                     |
|----------|----------|---------------------------------|
| (Symbol) | (Symbol) | BASIN DESIGNATION               |
| (Symbol) | (Symbol) | 5 YEAR COEFFICIENTS             |
| (Symbol) | (Symbol) | 100 YEAR COEFFICIENTS           |
| (Symbol) | (Symbol) | DIRECTIONAL FLOW ARROW          |
| (Symbol) | (Symbol) | EMERGENCY OVERFLOW ROUTE        |
| (Symbol) | (Symbol) | PROPOSED DRAINAGE BASIN         |
| (Symbol) | (Symbol) | EXISTING DRAINAGE BASIN         |
| (Symbol) | (Symbol) | PROPOSED MAJOR CONTOUR          |
| (Symbol) | (Symbol) | PROPOSED MINOR CONTOUR          |
| (Symbol) | (Symbol) | EXISTING MAJOR CONTOUR          |
| (Symbol) | (Symbol) | EXISTING MINOR CONTOUR          |
| (Symbol) | (Symbol) | EASEMENT                        |
| (Symbol) | (Symbol) | RIGHT OF WAY (R.O.W.)           |
| (Symbol) | (Symbol) | CENTERLINE                      |
| (Symbol) | (Symbol) | PROJECT BOUNDARY                |
| (Symbol) | (Symbol) | PROPOSED STORM & STUB OUT       |
| (Symbol) | (Symbol) | EXISTING STORM & STUB OUT       |
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| (Symbol) | (Symbol) | STORM INLETS                    |
| (Symbol) | (Symbol) | FES, FOREBAY, & TRICKLE CHANNEL |
| (Symbol) | (Symbol) | OUTLET STRUCTURE                |
| (Symbol) | (Symbol) | CRUSHER FINES                   |
| (Symbol) | (Symbol) | MAINTENANCE ACCESS              |
| (Symbol) | (Symbol) | RIPRAP                          |
| (Symbol) | (Symbol) | FLOODPLAIN                      |
| (Symbol) | (Symbol) | WETLAND                         |
| (Symbol) | (Symbol) | LIMITS OF CONSTRUCTION          |
| (Symbol) | (Symbol) | MAJOR DRAINAGE BASIN            |
| (Symbol) | (Symbol) | DRAINAGE SWALE                  |
| (Symbol) | (Symbol) | PART OF ISP EAST                |
| (Symbol) | (Symbol) | ITAL                            |

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 3473 S. BROADWAY  
 AURORA, CO 80013  
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**LAND DEVELOPMENT**  
**ENERGY**  
**PUBLIC INFRASTRUCTURE**

**CORE**

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**811**

| DATE   | BY    | REVISION DESCRIPTION |
|--------|-------|----------------------|
| XXXXXX | XXX   |                      |
| 1      | DRAFT |                      |

**PRAIRIE POINT, FILING NO.2**  
 AURORA, CO

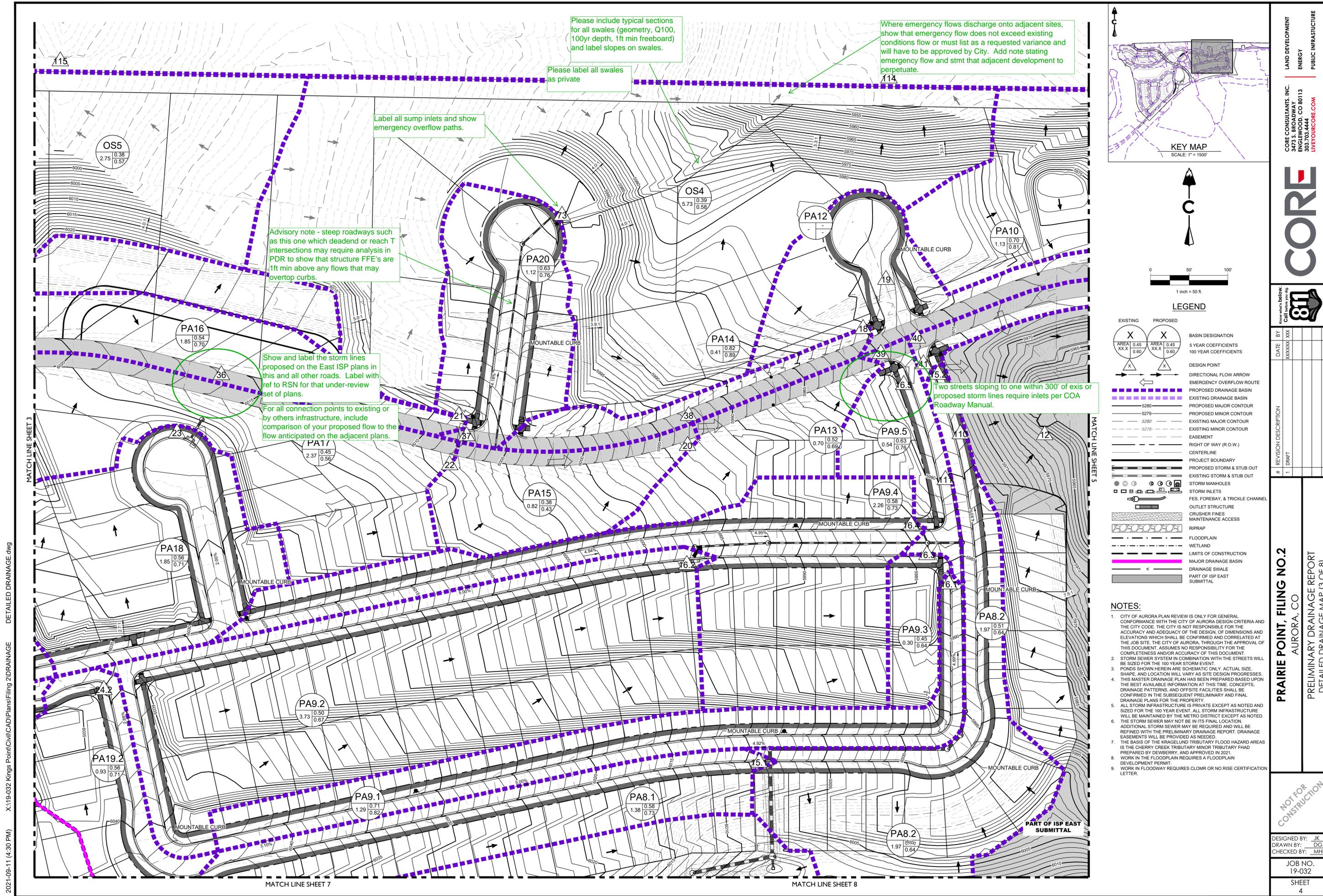
**PRELIMINARY DRAINAGE REPORT**  
 DETAILED DRAINAGE MAP (2 OF 8)

**NOT FOR CONSTRUCTION**

DESIGNED BY: JK  
 DRAWN BY: DG  
 CHECKED BY: MHN

JOB NO.  
 19-032

SHEET  
 3



Please include typical sections for all swales (geometry, Q100, 100yr depth, 1ft min freeboard) and label slopes on swales.

Please label all swales as private

Where emergency flows discharge onto adjacent sites, show that emergency flow does not exceed existing conditions flow or must list as a requested variance and will have to be approved by City. Add note stating emergency flow and stmnt that adjacent development to perpetuate.

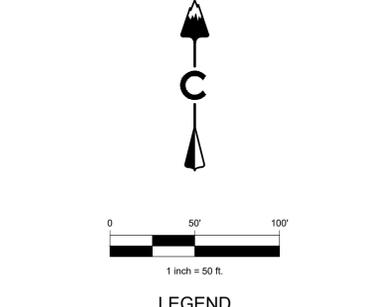
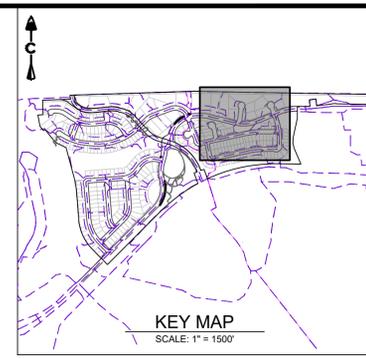
Label all sump inlets and show emergency overflow paths.

Advisory note - steep roadways such as this one which deadend or reach T intersections may require analysis in PDR to show that structure FFE's are 1ft min above any flows that may overtop curbs.

Show and label the storm lines proposed on the East ISP plans in this and all other roads. Label with ref to RSN for that under-review set of plans.

For all connection points to existing or by others infrastructure, include comparison of your proposed flow to the flow anticipated on the adjacent plans.

Two streets sloping to one within 300' of axis or proposed storm lines require inlets per COA Roadway Manual.



| EXISTING | PROPOSED | DESIGNATION                     |
|----------|----------|---------------------------------|
|          |          | BASIN DESIGNATION               |
|          |          | 5 YEAR COEFFICIENTS             |
|          |          | 100 YEAR COEFFICIENTS           |
|          |          | DIRECTIONAL FLOW ARROW          |
|          |          | EMERGENCY OVERFLOW ROUTE        |
|          |          | PROPOSED DRAINAGE BASIN         |
|          |          | EXISTING MAJOR CONTOUR          |
|          |          | EXISTING MINOR CONTOUR          |
|          |          | EASEMENT                        |
|          |          | RIGHT OF WAY (R.O.W.)           |
|          |          | CENTERLINE                      |
|          |          | PROJECT BOUNDARY                |
|          |          | PROPOSED STORM & STUB OUT       |
|          |          | EXISTING STORM & STUB OUT       |
|          |          | STORM MANHOLES                  |
|          |          | STORM INLETS                    |
|          |          | FES, FOREBAY, & TRICKLE CHANNEL |
|          |          | OUTLET STRUCTURE                |
|          |          | CRUSHER FINES                   |
|          |          | MAINTENANCE ACCESS              |
|          |          | RIPRAP                          |
|          |          | FLOODPLAIN                      |
|          |          | WETLAND                         |
|          |          | LIMITS OF CONSTRUCTION          |
|          |          | MAJOR DRAINAGE BASIN            |
|          |          | DRAINAGE SWALE                  |
|          |          | PART OF ISP EAST SUBMITTAL      |

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2021-09-11 (4:30 PM) X:\19-032 Kings Point\Civil\CAD\Plans\Filing 2\DRAINAGE - DETAILED DRAINAGE.dwg

**PRairie Point, Filing No. 2**  
AURORA, CO  
PRELIMINARY DRAINAGE REPORT  
DETAILED DRAINAGE MAP (3 OF 8)

**CORE**  
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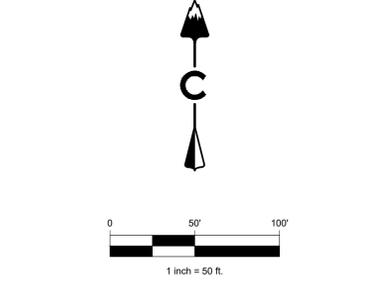
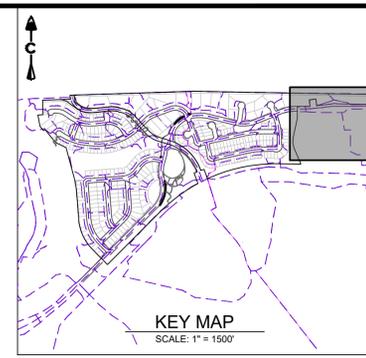
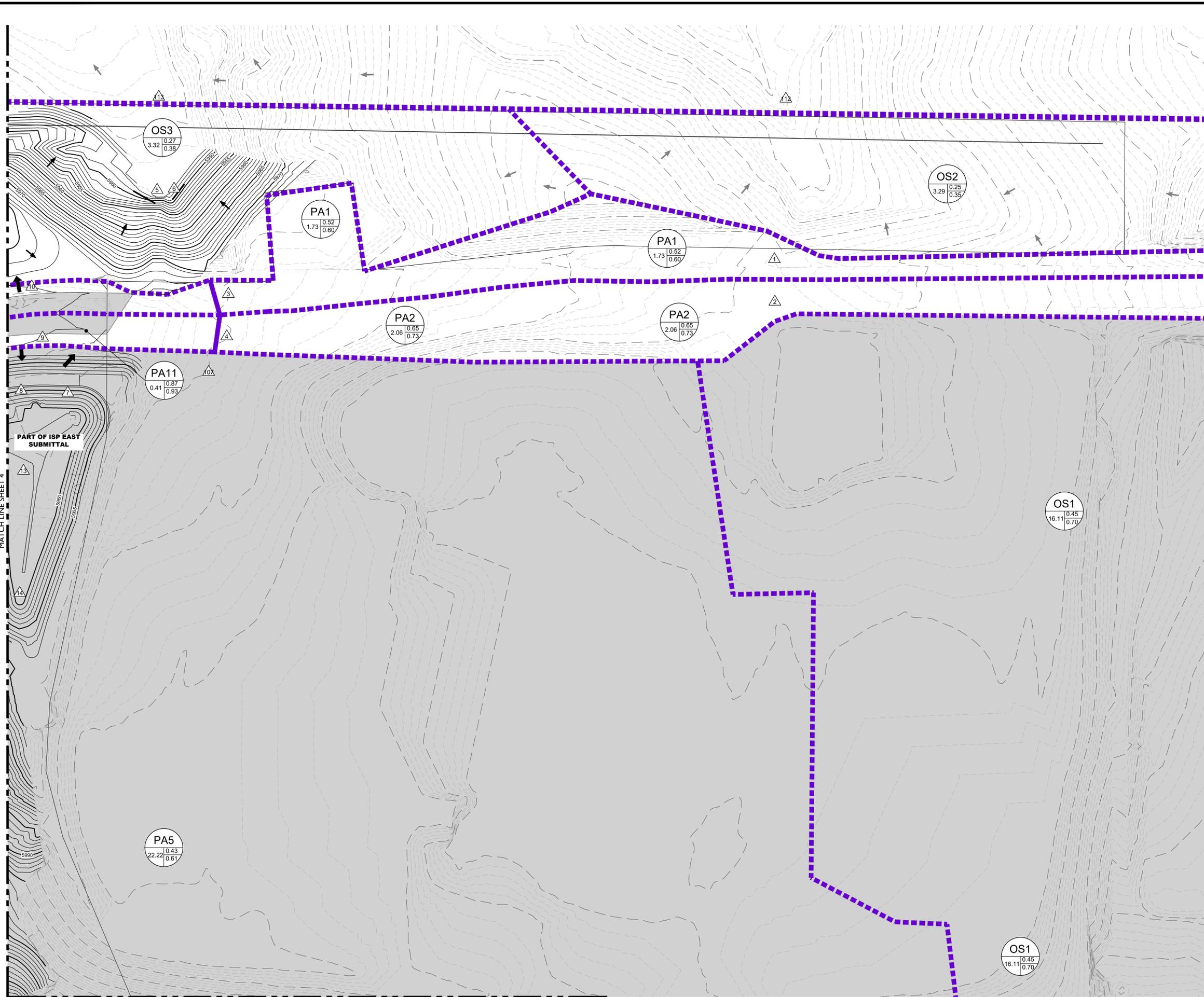
DESIGNED BY: JK  
DRAWN BY: DG  
CHECKED BY: MHN

JOB NO. 19-032  
SHEET 4

NOT FOR CONSTRUCTION

MATCH LINE SHEET 4

MATCH LINE SHEET 8



**LEGEND**

| EXISTING | PROPOSED | DESCRIPTION                     |
|----------|----------|---------------------------------|
|          |          | BASIN DESIGNATION               |
|          |          | DIRECTIONAL FLOW ROUTE          |
|          |          | PROPOSED DRAINAGE ROUTE         |
|          |          | EXISTING DRAINAGE BASIN         |
|          |          | PROPOSED MAJOR CONTOUR          |
|          |          | PROPOSED MINOR CONTOUR          |
|          |          | EXISTING MAJOR CONTOUR          |
|          |          | EXISTING MINOR CONTOUR          |
|          |          | EASEMENT                        |
|          |          | RIGHT OF WAY (R.O.W.)           |
|          |          | CENTERLINE                      |
|          |          | PROJECT BOUNDARY                |
|          |          | PROPOSED STORM & STUB OUT       |
|          |          | EXISTING STORM & STUB OUT       |
|          |          | STORM MANHOLES                  |
|          |          | STORM INLETS                    |
|          |          | FES, FOREBAY, & TRICKLE CHANNEL |
|          |          | OUTLET STRUCTURE                |
|          |          | CRUSHER FINES                   |
|          |          | MAINTENANCE ACCESS              |
|          |          | RIPRAP                          |
|          |          | FLOODPLAIN                      |
|          |          | WETLAND                         |
|          |          | LIMITS OF CONSTRUCTION          |
|          |          | MAJOR DRAINAGE BASIN            |
|          |          | DRAINAGE SWALE                  |
|          |          | PART OF ISP EAST SUBMITTAL      |

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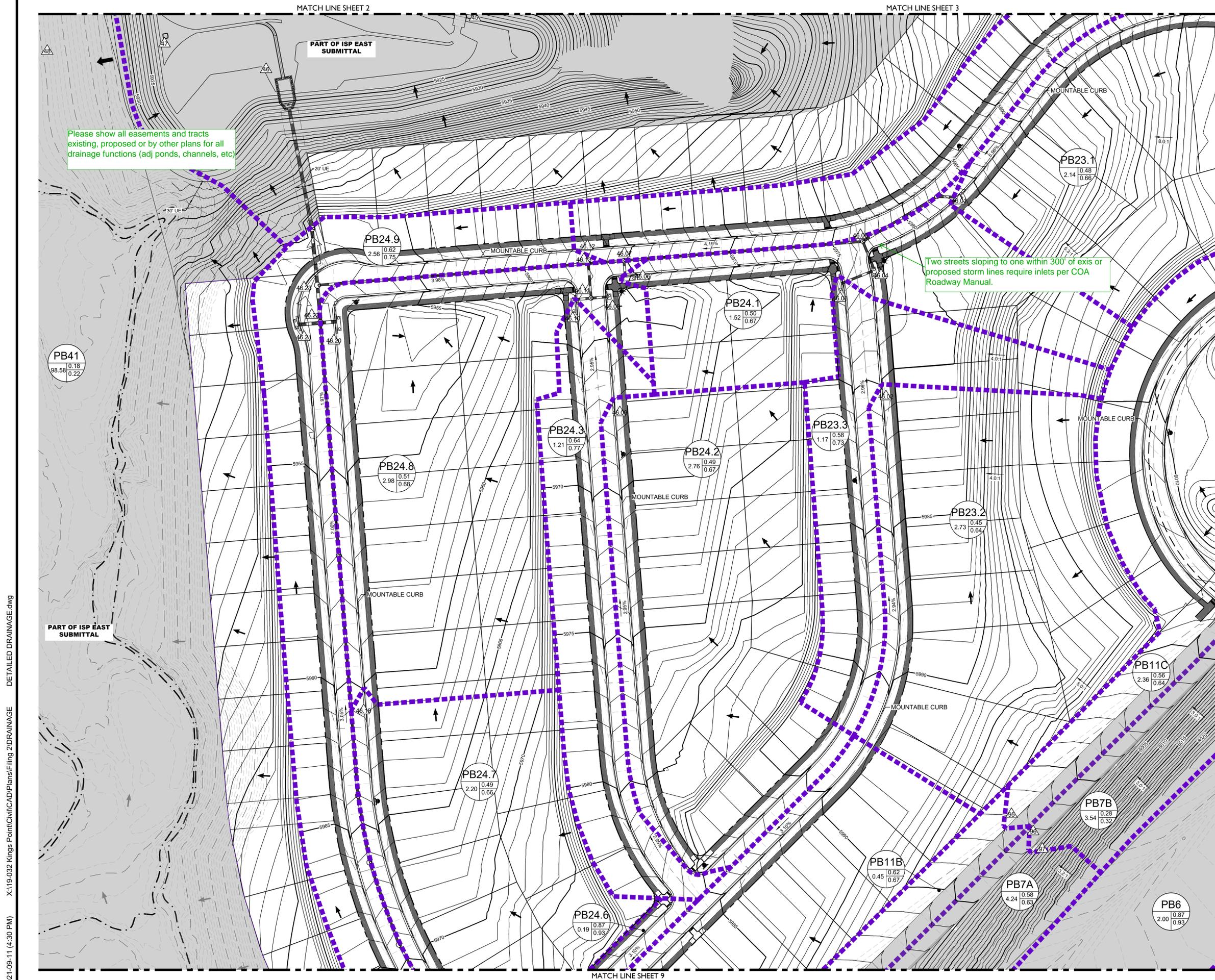
| # | REVISION DESCRIPTION | DATE   | BY  |
|---|----------------------|--------|-----|
| 1 | DRWT                 | XXXXXX | XXX |

**PRAIRIE POINT, FILING NO.2**  
 AURORA, CO  
 PRELIMINARY DRAINAGE REPORT  
 DETAILED DRAINAGE MAP (4 OF 8)

DESIGNED BY: JK  
 DRAWN BY: DG  
 CHECKED BY: MHN

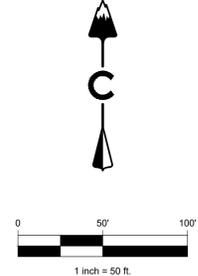
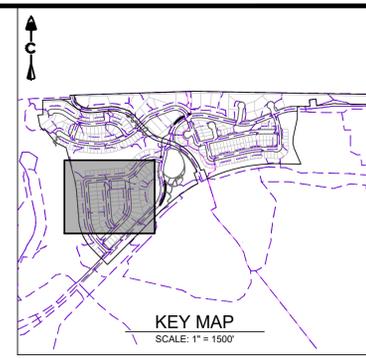
JOB NO.  
 19-032  
 SHEET  
 5

NOT FOR CONSTRUCTION



Please show all easements and tracts existing, proposed or by other plans for all drainage functions (adj ponds, channels, etc)

Two streets sloping to one within 300' of axis or proposed storm lines require inlets per COA Roadway Manual.



**LEGEND**

| EXISTING | PROPOSED | DESIGNATION                     |
|----------|----------|---------------------------------|
|          |          | BASIN DESIGNATION               |
|          |          | 5 YEAR COEFFICIENTS             |
|          |          | 100 YEAR COEFFICIENTS           |
|          |          | DESIGN POINT                    |
|          |          | DIRECTIONAL FLOW ARROW          |
|          |          | EMERGENCY OVERFLOW ROUTE        |
|          |          | PROPOSED DRAINAGE BASIN         |
|          |          | EXISTING DRAINAGE BASIN         |
|          |          | PROPOSED MAJOR CONTOUR          |
|          |          | PROPOSED MINOR CONTOUR          |
|          |          | EXISTING MAJOR CONTOUR          |
|          |          | EXISTING MINOR CONTOUR          |
|          |          | EASEMENT                        |
|          |          | RIGHT OF WAY (R.O.W.)           |
|          |          | CENTERLINE                      |
|          |          | PROJECT BOUNDARY                |
|          |          | PROPOSED STORM & STUB OUT       |
|          |          | EXISTING STORM & STUB OUT       |
|          |          | STORM MANHOLES                  |
|          |          | STORM INLETS                    |
|          |          | FES, FOREBAY, & TRICKLE CHANNEL |
|          |          | OUTLET STRUCTURE                |
|          |          | CRUSHER FINES                   |
|          |          | MAINTENANCE ACCESS              |
|          |          | RIPRAP                          |
|          |          | FLOODPLAIN                      |
|          |          | WETLAND                         |
|          |          | LIMITS OF CONSTRUCTION          |
|          |          | MAJOR DRAINAGE BASIN            |
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| DATE   | BY   | REVISION DESCRIPTION |
|--------|------|----------------------|
| XXXXXX | XXX  |                      |
| 1      | DRWF |                      |

**PRAIRIE POINT, FILING NO.2**  
 AURORA, CO

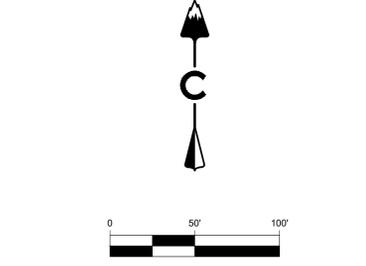
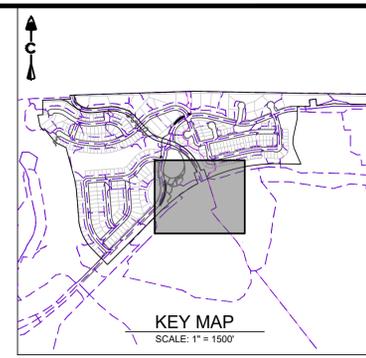
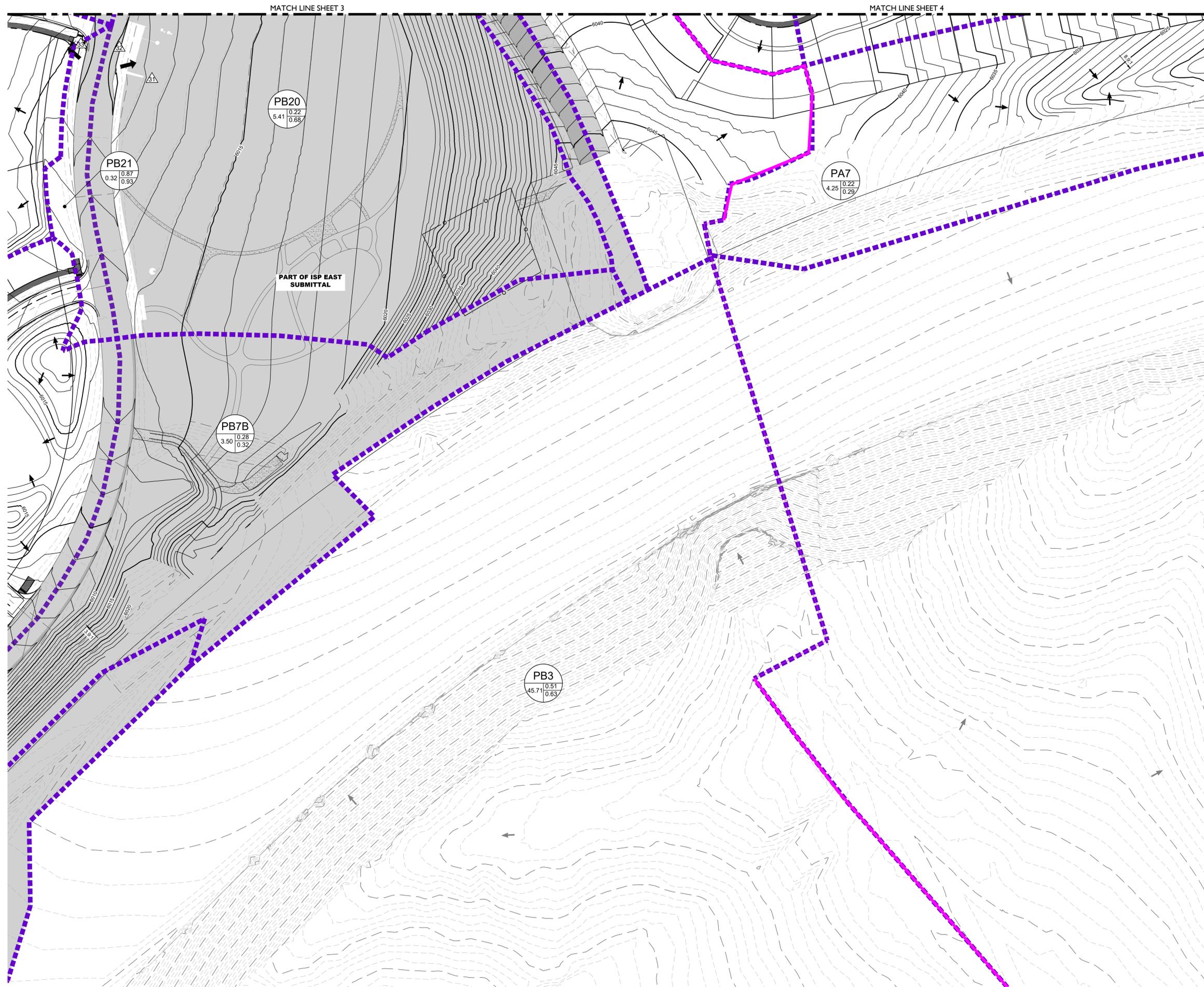
**PRELIMINARY DRAINAGE REPORT**  
 DETAILED DRAINAGE MAP (5 OF 8)

DESIGNED BY: JK  
 DRAWN BY: DG  
 CHECKED BY: MHN

JOB NO.  
 19-032

SHEET  
 6

NOT FOR CONSTRUCTION



**LEGEND**

| EXISTING | PROPOSED | DESCRIPTION                     |
|----------|----------|---------------------------------|
|          |          | BASIN DESIGNATION               |
|          |          | 5 YEAR COEFFICIENTS             |
|          |          | 100 YEAR COEFFICIENTS           |
|          |          | DIRECTIONAL FLOW ROUTE          |
|          |          | EMERGENCY OVERFLOW ROUTE        |
|          |          | PROPOSED DRAINAGE BASIN         |
|          |          | EXISTING DRAINAGE BASIN         |
|          |          | PROPOSED MAJOR CONTOUR          |
|          |          | PROPOSED MINOR CONTOUR          |
|          |          | EXISTING MAJOR CONTOUR          |
|          |          | EXISTING MINOR CONTOUR          |
|          |          | EASEMENT                        |
|          |          | RIGHT OF WAY (R.O.W.)           |
|          |          | CENTERLINE                      |
|          |          | PROJECT BOUNDARY                |
|          |          | PROPOSED STORM & STUB OUT       |
|          |          | EXISTING STORM & STUB OUT       |
|          |          | STORM MANHOLES                  |
|          |          | STORM INLETS                    |
|          |          | FES, FOREBAY, & TRICKLE CHANNEL |
|          |          | OUTLET STRUCTURE                |
|          |          | CRUSHER FINES                   |
|          |          | MAINTENANCE ACCESS              |
|          |          | RIPRAP                          |
|          |          | FLOODPLAIN                      |
|          |          | WETLAND                         |
|          |          | LIMITS OF CONSTRUCTION          |
|          |          | MAJOR DRAINAGE BASIN            |
|          |          | DRAINAGE SWALE                  |
|          |          | PART OF ISP EAST SUBMITTAL      |

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| # | REVISION DESCRIPTION | DATE   | BY  |
|---|----------------------|--------|-----|
| 1 | DRAFT                | XXXXXX | XXX |

**PRAIRIE POINT, FILING NO.2**  
AURORA, CO

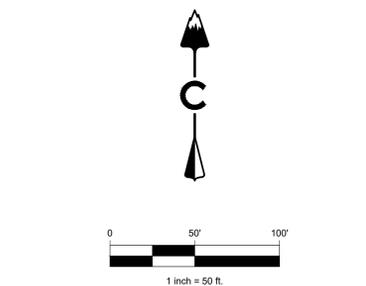
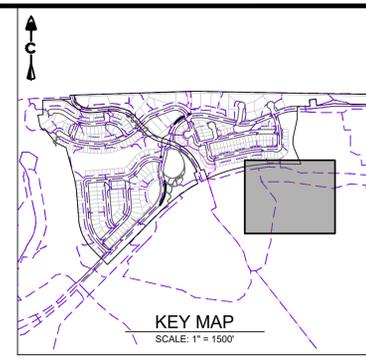
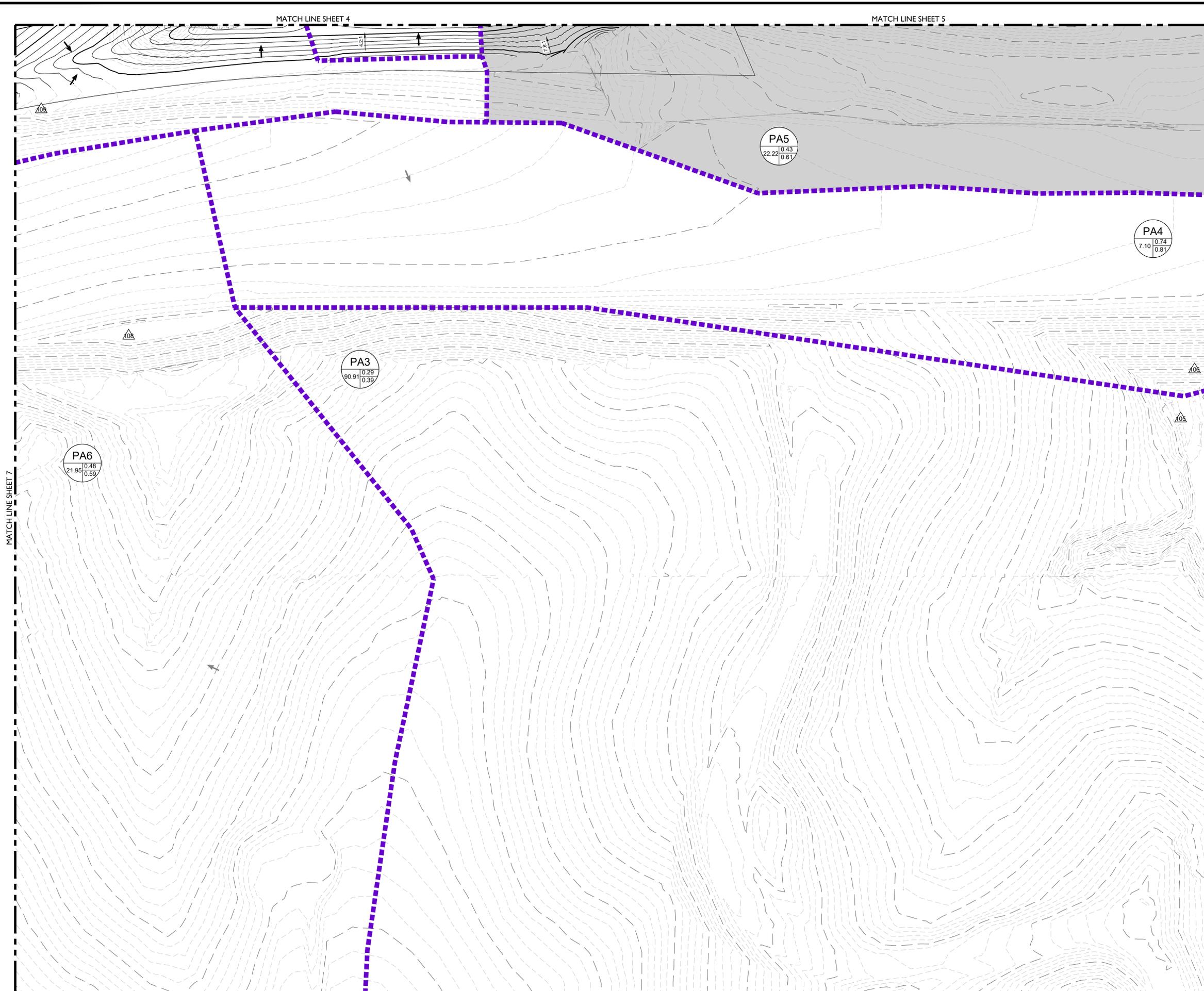
**PRELIMINARY DRAINAGE REPORT**  
DETAILED DRAINAGE MAP (6 OF 8)

DESIGNED BY: JK  
DRAWN BY: DG  
CHECKED BY: MHN

JOB NO.  
19-032

SHEET  
7

**NOT FOR CONSTRUCTION**



**LEGEND**

| EXISTING | PROPOSED | DESCRIPTION                     |
|----------|----------|---------------------------------|
|          |          | BASIN DESIGNATION               |
|          |          | 5 YEAR COEFFICIENTS             |
|          |          | 100 YEAR COEFFICIENTS           |
|          |          | DESIGN POINT                    |
|          |          | DIRECTIONAL FLOW ARROW          |
|          |          | EMERGENCY OVERFLOW ROUTE        |
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|          |          | PROPOSED MINOR CONTOUR          |
|          |          | EXISTING MAJOR CONTOUR          |
|          |          | EXISTING MINOR CONTOUR          |
|          |          | EASEMENT                        |
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|          |          | RIPRAP                          |
|          |          | FLOODPLAIN                      |
|          |          | WETLAND                         |
|          |          | LIMITS OF CONSTRUCTION          |
|          |          | MAJOR DRAINAGE BASIN            |
|          |          | DRAINAGE SWALE                  |
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  - THE BASIS OF THE KRAGELUND TRIBUTARY FLOOD HAZARD AREAS IS THE CHERRY CREEK TRIBUTARY MINOR TRIBUTARY FHAD PREPARED BY DEWBERRY, AND APPROVED IN 2021.
  - WORK IN THE FLOODPLAIN REQUIRES A FLOODPLAIN DEVELOPMENT PERMIT.
  - WORK IN FLOODWAY REQUIRES CLOMR OR NO RISE CERTIFICATION LETTER.

**CORE CONSULTANTS, INC.**  
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| # | REVISION DESCRIPTION | DATE   | BY  |
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| 1 | DRAFT                | XXXXXX | XXX |

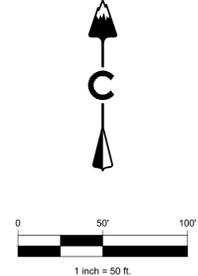
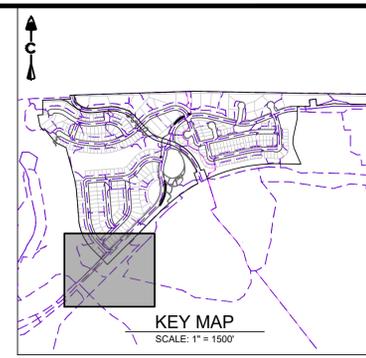
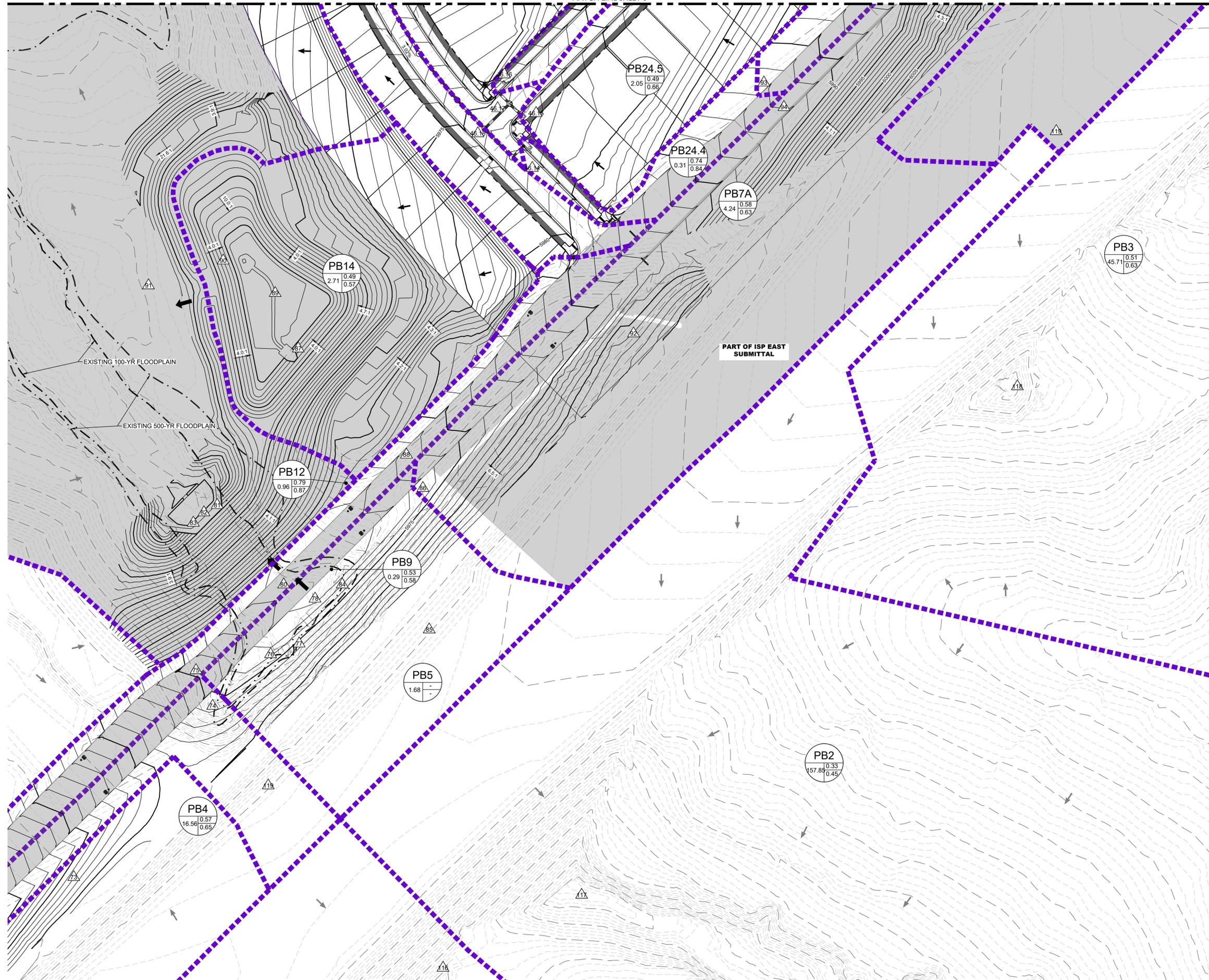
**PRAIRIE POINT, FILING NO.2**  
 AURORA, CO  
 PRELIMINARY DRAINAGE REPORT  
 DETAILED DRAINAGE MAP (7 OF 8)

DESIGNED BY: JK  
 DRAWN BY: DG  
 CHECKED BY: MHN

JOB NO.  
 19-032  
 SHEET  
 8

NOT FOR CONSTRUCTION

MATCH LINE SHEET 6



**LEGEND**

| EXISTING | PROPOSED | DESCRIPTION   |
|----------|----------|---|
|          |          | BASIN DESIGNATION<br>5 YEAR COEFFICIENTS<br>100 YEAR COEFFICIENTS |
|          |          | DESIGN POINT  |
|          |          | DIRECTIONAL FLOW ARROW  |
|          |          | EMERGENCY OVERFLOW ROUTE  |
|          |          | PROPOSED DRAINAGE BASIN   |
|          |          | EXISTING DRAINAGE BASIN   |
|          |          | PROPOSED MAJOR CONTOUR  |
|          |          | PROPOSED MINOR CONTOUR  |
|          |          | EXISTING MAJOR CONTOUR  |
|          |          | EXISTING MINOR CONTOUR  |
|          |          | EASEMENT  |
|          |          | RIGHT OF WAY (R.O.W.)   |
|          |          | CENTERLINE  |
|          |          | PROJECT BOUNDARY  |
|          |          | PROPOSED STORM & STUB OUT   |
|          |          | EXISTING STORM & STUB OUT   |
|          |          | STORM MANHOLES  |
|          |          | STORM INLETS  |
|          |          | FES, FOREBAY, & TRICKLE CHANNEL                                   |
|          |          | OUTLET STRUCTURE  |
|          |          | CRUSHER FINES   |
|          |          | MAINTENANCE ACCESS  |
|          |          | RIPRAP  |
|          |          | FLOODPLAIN  |
|          |          | WETLAND   |
|          |          | LIMITS OF CONSTRUCTION  |
|          |          | MAJOR DRAINAGE BASIN  |
|          |          | DRAINAGE SWALE  |
|          |          | PART OF ISP EAST SUBMITTAL  |

- NOTES:**
- CITY OF AURORA PLAN REVIEW IS ONLY FOR GENERAL CONFORMANCE WITH THE CITY OF AURORA DESIGN CRITERIA AND THE CITY CODE. THE CITY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, OF DIMENSIONS AND ELEVATIONS WHICH SHALL BE CONFIRMED AND CORRELATED AT THE JOB SITE. THE CITY OF AURORA, THROUGH THE APPROVAL OF THIS DOCUMENT, ASSUMES NO RESPONSIBILITY FOR THE COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.
  - STORM SEWER SYSTEM IN COMBINATION WITH THE STREETS WILL BE SIZED FOR THE 100 YEAR STORM EVENT.
  - PONDS SHOWN HEREIN ARE SCHEMATIC ONLY. ACTUAL SIZE, SHAPE, AND LOCATION WILL VARY AS SITE DESIGN PROGRESSES.
  - THIS MASTER DRAINAGE PLAN HAS BEEN PREPARED BASED UPON THE BEST AVAILABLE INFORMATION AT THIS TIME. CONCEPTS, DRAINAGE PATTERNS, AND OFFSITE FACILITIES SHALL BE CONFIRMED IN THE SUBSEQUENT PRELIMINARY AND FINAL DRAINAGE PLANS FOR THE PROPERTY.
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**PRAIRIE POINT, FILING NO.2**  
 AURORA, CO

PRELIMINARY DRAINAGE REPORT  
 DETAILED DRAINAGE MAP (8 OF 8)

NOT FOR CONSTRUCTION

DESIGNED BY: JK  
 DRAWN BY: DG  
 CHECKED BY: MHN

JOB NO.  
 19-032

SHEET  
 9