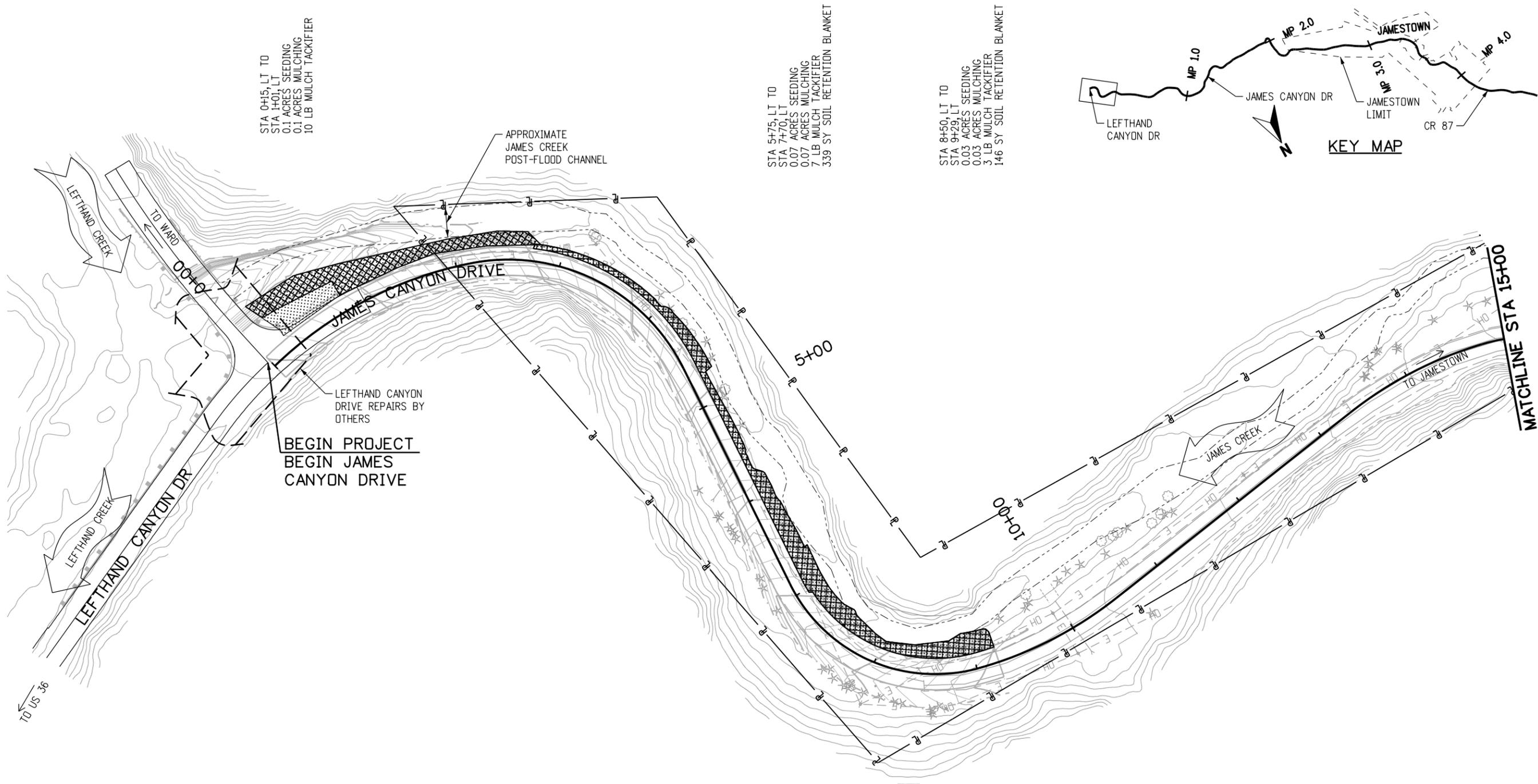


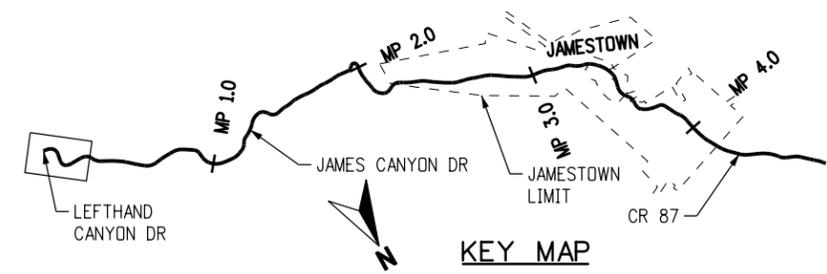
kandelinds 1/22/2016 11:12:16 AM L:\0048\900-CAD\02-SHEETS\H\BDCD-James-Final\BDCD-James-Final-SWMP-Final01.dgn



STA 0+15, LT TO
STA 1+01, LT
0.1 ACRES SEEDING
0.1 ACRES MULCHING
10 LB MULCH TACKIFIER

STA 5+75, LT TO
STA 7+70, LT
0.07 ACRES SEEDING
0.07 ACRES MULCHING
7 LB MULCH TACKIFIER
339 SY SOIL RETENTION BLANKET

STA 8+50, LT TO
STA 9+29, LT
0.03 ACRES SEEDING
0.03 ACRES MULCHING
3 LB MULCH TACKIFIER
146 SY SOIL RETENTION BLANKET



BEGIN PROJECT
BEGIN JAMES
CANYON DRIVE

LEFTHAND CANYON
DRIVE REPAIRS BY
OTHERS

APPROXIMATE
JAMES CREEK
POST-FLOOD CHANNEL

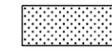
NOTES:

1. ALL DISTURBED AREAS SHALL RECEIVE SEEDING, MULCHING AND NULCH TACKIFIER.
2. DISTURBED AREAS ON SLOPES 3:1 AND STEEPER SHALL RECEIVER SOIL RETENTION BLANKET. SLOPES FLATTER THAN 3:1 SHALL RECEIVE MULCHING.
3. SOIL CONDITIONER SHALL BE APPLIED PRIOR TO SEED, TACKIFIER AND ADDITIONAL FINAL STABILIZATION TREATMENTS.

EROSION CONTROL LEGEND

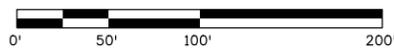


SOIL RETENTION BLANKET
(USED IN PLACE OF MULCH
AND MULCH TACKIFIER ON
SLOPES 3:1 OR GREATER)



ALL SHEETS SURFACE
ROUGHENING SEEDING,
MULCHING AND
MULCH TACKIFIER

60% REVIEW SET



60%

CALL UTILITY NOTIFICATION CENTER OF COLORADO
811
CALL 2-BUSINESS DAYS IN
ADVANCE BEFORE YOU DIG, GRADE,
OR EXCAVATE FOR THE MARKING OF
UNDERGROUND MEMBER UTILITIES

REVISONS:	NO.	DATE	REVISION DESCRIPTION:

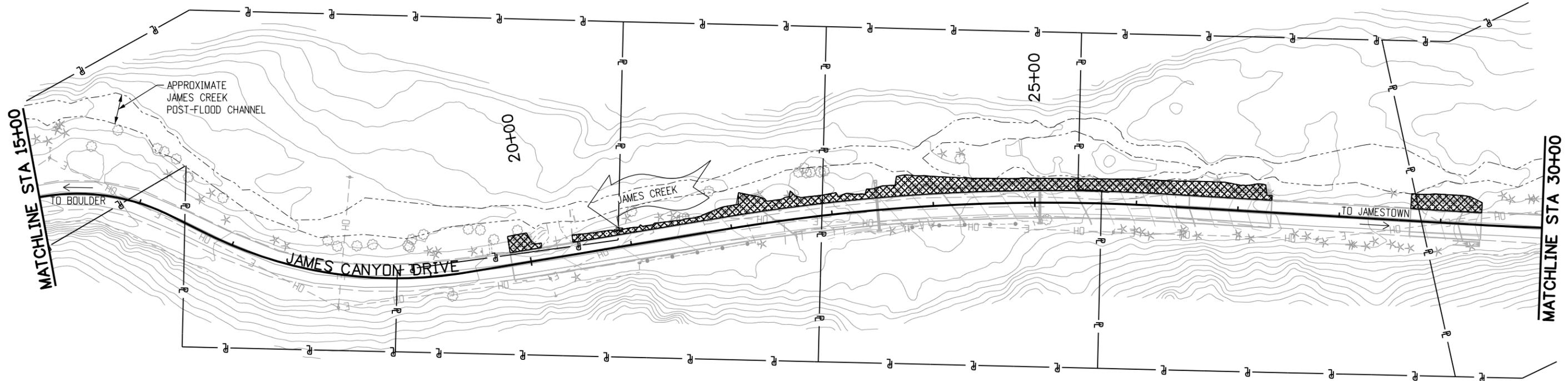


Boulder County
AECOM
Boulder County TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

DESIGNED: OIN	CAD: OIN	CHECKED:	DATE: 01/22/2016
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JAMES CANYON SWMP FINAL PLAN STA 0+00 TO 15+00	
PROJECT NO: SEPT12C24	SHEET NO: 56
SEPT12C91	

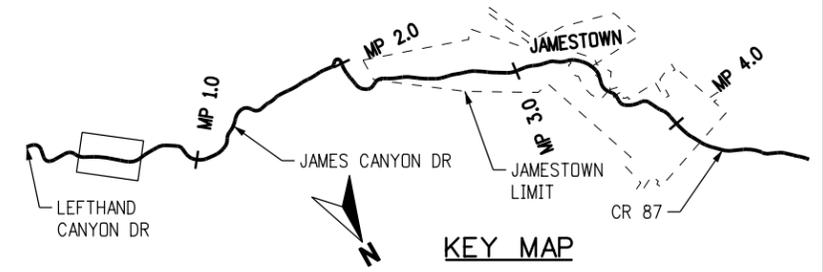
kandelrinds 1/22/2016 11:12:18 AM L:\0048\900-CAD\02-SHEETS\H\B0C0-James-Final\B0C0-James-Final_SWMP-Final.dgn



STA 19+81, LT TO
STA 20+13, LT
0.01 ACRES SEEDING
1 LB MULCH TACKIFIER
49 SY SOIL RETENTION BLANKET

STA 20+43, LT TO
STA 27+33, LT
0.19 ACRES SEEDING
19 LB MULCH TACKIFIER
920 SY SOIL RETENTION BLANKET

STA 28+70, LT TO
STA 29+40, LT
0.03 ACRES SEEDING
3 LB MULCH TACKIFIER
146 SY SOIL RETENTION BLANKET

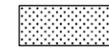


- NOTES:
1. ALL DISTURBED AREAS SHALL RECEIVE SEEDING, MULCHING AND NULCH TACKIFIER.
 2. DISTURBED AREAS ON SLOPES 3:1 AND STEEPER SHALL RECEIVE SOIL RETENTION BLANKET. SLOPES FLATTER THAN 3:1 SHALL RECEIVE MULCHING.
 3. SOIL CONDITIONER SHALL BE APPLIED PRIOR TO SEED, TACKIFIER AND ADDITIONAL FINAL STABILIZATION TREATMENTS.

EROSION CONTROL LEGEND



SOIL RETENTION BLANKET
(USED IN PLACE OF MULCH
AND MULCH TACKIFIER ON
SLOPES 3:1 OR GREATER)



ALL SHEETS SURFACE
ROUGHENING SEEDING,
MULCHING AND
MULCH TACKIFIER

60% REVIEW SET



60%

CALL UTILITY NOTIFICATION CENTER OF COLORADO
811
CALL 2-BUSINESS DAYS IN
ADVANCE BEFORE YOU DIG, GRADE,
OR EXCAVATE FOR THE MARKING OF
UNDERGROUND MEMBER UTILITIES

REVISIONS:	NO.	DATE	REVISION DESCRIPTION:



BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

DESIGNED: OIN	CAD: OIN	CHECKED:	DATE: 01/22/2016
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**JAMES CANYON
SWMP FINAL PLAN
STA 15+00 TO 30+00**
PROJECT NO: SEPT12C24
SEPT12C91 SHEET NO: 57

kandelinds 1/22/2016 11:12:20 AM L:\0048\900-CAD\02-SHEETS\BDCD-James-Final\BDCD-James-Final_SWMP-Final03.dgn

MATCHLINE STA 30+00
TO BOULDER

JAMES CANYON DRIVE

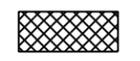
JAMES CREEK

35+00

40+00

MATCHLINE STA 45+00
TO JAMESTOWN

EROSION CONTROL LEGEND



SOIL RETENTION BLANKET
(USED IN PLACE OF MULCH
AND MULCH TACKIFIER ON
SLOPES 3:1 OR GREATER)



ALL SHEETS SURFACE
ROUGHENING SEEDING,
MULCHING AND
MULCH TACKIFIER

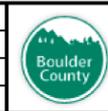
60% REVIEW SET



60%

811
CALL UTILITY NOTIFICATION CENTER OF COLORADO
CALL 2-BUSINESS DAYS IN
ADVANCE BEFORE YOU DIG, GRADE,
OR EXCAVATE FOR THE MARKING OF
UNDERGROUND MEMBER UTILITIES

REVISIONS:	NO.	DATE	REVISION DESCRIPTION:



**BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION**
AECOM

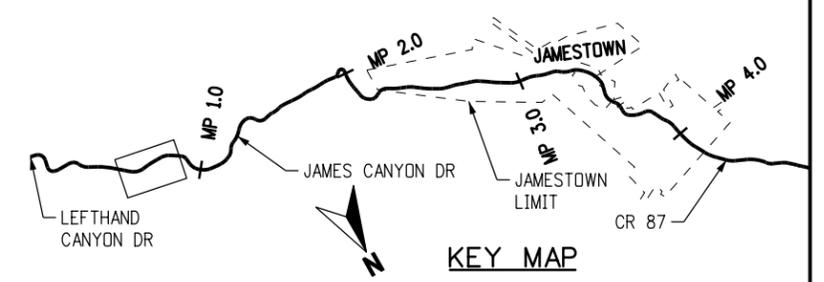
DESIGNED: OIN CAD: OIN CHECKED: DATE: 01/22/2016

**JAMES CANYON
SWMP FINAL PLAN
STA 30+00 TO 45+00**
PROJECT NO: SEPT12C24 SHEET NO: 58
SEPT12C91

STA 36+80, LT TO
STA 39+15, LT
0.13 ACRES SEEDING
13 LB MULCH TACKIFIER
630 SY SOIL RETENTION BLANKET

STA 40+15, LT TO
STA 40+45, LT
0.01 ACRES SEEDING
1 LB MULCH TACKIFIER
49 SY SOIL RETENTION BLANKET

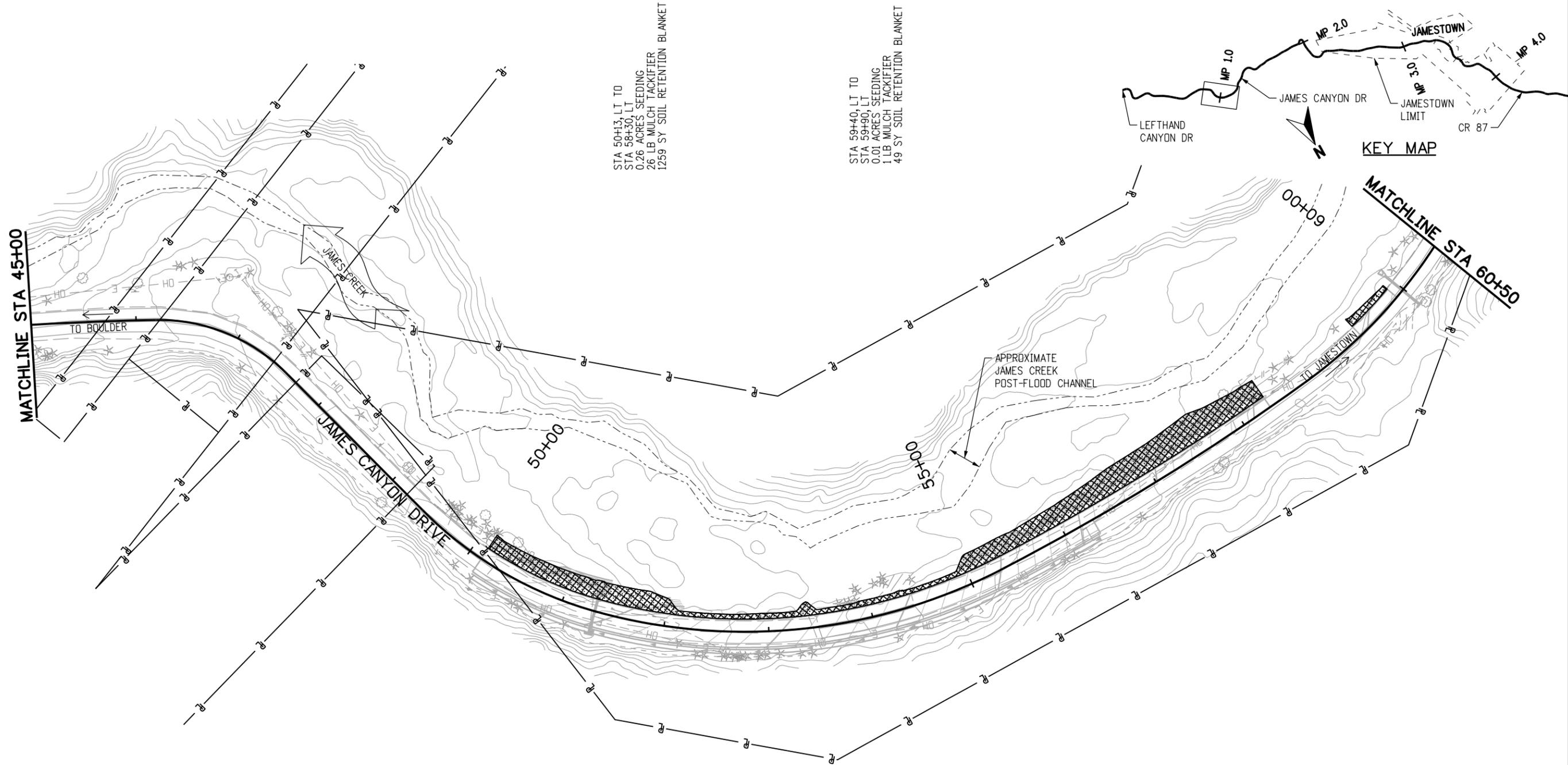
STA 41+00, LT TO
STA 44+15, LT
0.10 ACRES SEEDING
10 LB MULCH TACKIFIER
484 SY SOIL RETENTION BLANKET



APPROXIMATE
JAMES CREEK
POST-FLOOD CHANNEL

CASTLE GULCH

kandelinds 1/22/2016 11:12:22 AM L:\0048\900-CAD\02-SHEETS\BDCD-James-Final\BDCD-James-Final\BDCD-James-Final_SWMP-Final04.dgn



- NOTES:
1. ALL DISTURBED AREAS SHALL RECEIVE SEEDING, MULCHING AND MULCH TACKIFIER.
 2. DISTURBED AREAS ON SLOPES 3:1 AND STEEPER SHALL RECEIVE SOIL RETENTION BLANKET. SLOPES FLATTER THAN 3:1 SHALL RECEIVE MULCHING.
 3. SOIL CONDITIONER SHALL BE APPLIED PRIOR TO SEED, TACKIFIER AND ADDITIONAL FINAL STABILIZATION TREATMENTS.

EROSION CONTROL LEGEND

	SOIL RETENTION BLANKET (USED IN PLACE OF MULCH AND MULCH TACKIFIER ON SLOPES 3:1 OR GREATER)		ALL SHEETS SURFACE ROUGHENING SEEDING, MULCHING AND MULCH TACKIFIER
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60% REVIEW SET



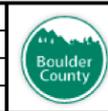
60%

CALL UTILITY NOTIFICATION CENTER OF COLORADO

811

CALL 2—BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



BOULDER COUNTY TRANSPORTATION DEPARTMENT

ENGINEERING DIVISION

AECOM

DESIGNED: OJN CAD: OJN CHECKED: DATE: 01/22/2016

JAMES CANYON SWMP FINAL PLAN

STA 45+00 TO 60+00

PROJECT NO: SEPT12C24 SHEET NO: 59

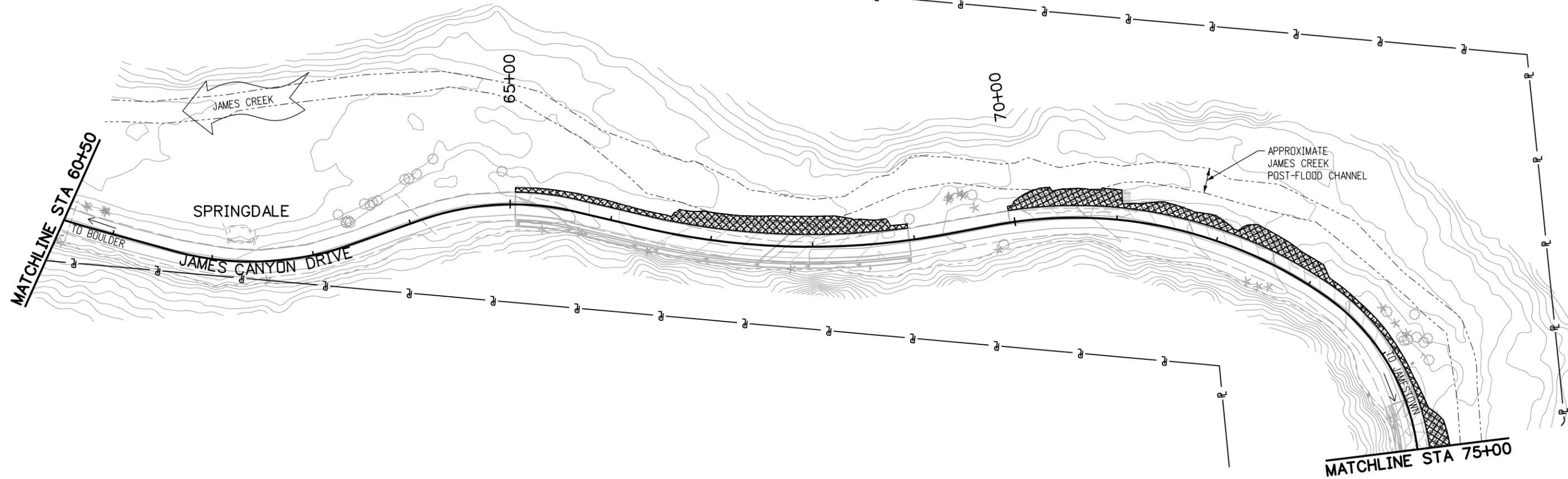
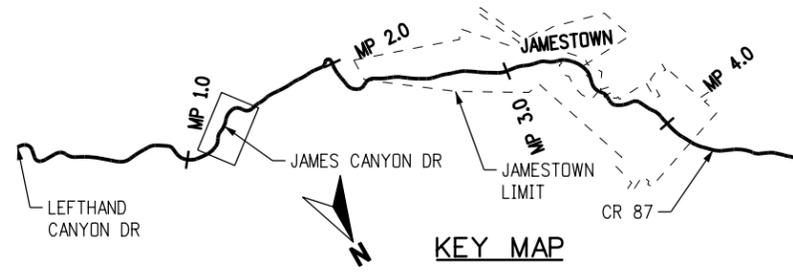
kandelrds 1/22/2016 11:12:24 AM L:\0048\900-CAD\02-SHEETS\BDCD-James-Final\BDCD-James-Final_SWMP-Final.dgn

MATCHLINE STA 60+50

MATCHLINE STA 75+00

STA 65+05, LT TO
STA 68+95, LT
0.10 ACRES SEEDING
10 LB MULCH TACKIFIER
484 SY SOIL RETENTION BLANKET

STA 69+95, LT TO
STA 80+27, LT
0.28 ACRES SEEDING
28 LB MULCH TACKIFIER
1356 SY SOIL RETENTION BLANKET



- NOTES:
1. ALL DISTURBED AREAS SHALL RECEIVE SEEDING, MULCHING AND NULCH TACKIFIER.
 2. DISTURBED AREAS ON SLOPES 3:1 AND STEEPER SHALL RECEIVE SOIL RETENTION BLANKET. SLOPES FLATTER THAN 3:1 SHALL RECEIVE MULCHING.
 3. SOIL CONDITIONER SHALL BE APPLIED PRIOR TO SEED, TACKIFIER AND ADDITIONAL FINAL STABILIZATION TREATMENTS.

EROSION CONTROL LEGEND

-  SOIL RETENTION BLANKET (USED IN PLACE OF MULCH AND MULCH TACKIFIER ON SLOPES 3:1 OR GREATER)
-  ALL SHEETS SURFACE ROUGHENING SEEDING, MULCHING AND MULCH TACKIFIER

60% REVIEW SET

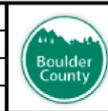


60%

CALL UTILITY NOTIFICATION CENTER OF COLORADO

 CALL 2—BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

REVISIONS:	NO.	DATE	REVISION DESCRIPTION:



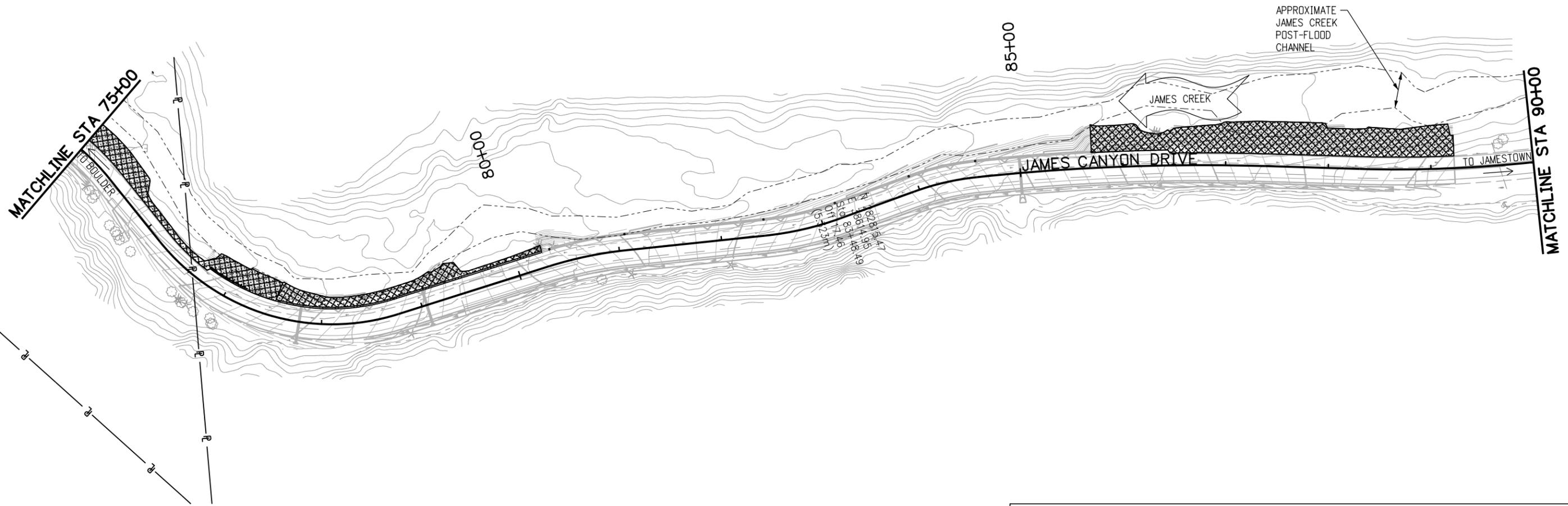
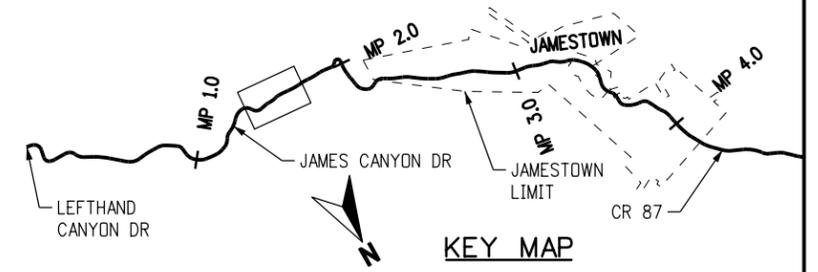
BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION


DESIGNED: OIN	CAD: OIN	CHECKED:	DATE: 01/22/2016
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JAMES CANYON SWMP FINAL PLAN
 STA 60+00 TO 75+00
 PROJECT NO: SEPT12C24
 SHEET NO: 60

kandelrinds 1/22/2016 11:12:26 AM L:\0048\900-CAD\02-SHEETS\BDCD-James-Final\BDCD-James-Final\BDCD-James-Final_SWMP-Final06.dgn

STA 85+70, LT TO
 STA 89+23, LT
 0.23 ACRES SEEDING
 23 LB MULCH TACKIFIER
 1114 SY SOIL RETENTION BLANKET

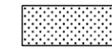


- NOTES:
1. ALL DISTURBED AREAS SHALL RECEIVE SEEDING, MULCHING AND MULCH TACKIFIER.
 2. DISTURBED AREAS ON SLOPES 3:1 AND STEEPER SHALL RECEIVE SOIL RETENTION BLANKET. SLOPES FLATTER THAN 3:1 SHALL RECEIVE MULCHING.
 3. SOIL CONDITIONER SHALL BE APPLIED PRIOR TO SEED, TACKIFIER AND ADDITIONAL FINAL STABILIZATION TREATMENTS.

EROSION CONTROL LEGEND



SOIL RETENTION BLANKET
 (USED IN PLACE OF MULCH
 AND MULCH TACKIFIER ON
 SLOPES 3:1 OR GREATER)



ALL SHEETS SURFACE
 ROUGHENING SEEDING,
 MULCHING AND
 MULCH TACKIFIER

60% REVIEW SET



60%

CALL UTILITY NOTIFICATION CENTER OF COLORADO
811
 CALL 2—BUSINESS DAYS IN
 ADVANCE BEFORE YOU DIG, GRADE,
 OR EXCAVATE FOR THE MARKING OF
 UNDERGROUND MEMBER UTILITIES

REVISIONS:	NO.	DATE	REVISION DESCRIPTION:



BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

DESIGNED: OIN	CAD: OIN	CHECKED:	DATE: 01/22/2016
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JAMES CANYON
SWMP FINAL PLAN
STA 75+00 TO 90+00
 PROJECT NO: SEPT12C24
 SHEET NO: 61

kandelrds 1/22/2016 11:12:28 AM L:\0048\900-CAD\02-SHEETS\BDCD-James-Final_SWMP-Final.dgn

MATCHLINE STA 90+00

- NOTES:
1. ALL DISTURBED AREAS SHALL RECEIVE SEEDING, MULCHING AND NULCH TACKIFIER.
 2. DISTURBED AREAS ON SLOPES 3:1 AND STEEPER SHALL RECEIVER SOIL RETENTION BLANKET. SLOPES FLATTER THAN 3:1 SHALL RECEIVE MULCHING.
 3. SOIL CONDITIONER SHALL BE APPLIED PRIOR TO SEED, TACKIFIER AND ADDITIONAL FINAL STABILIZATION TREATMENTS.



60%

CALL UTILITY NOTIFICATION CENTER OF COLORADO
811
 CALL 2—BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



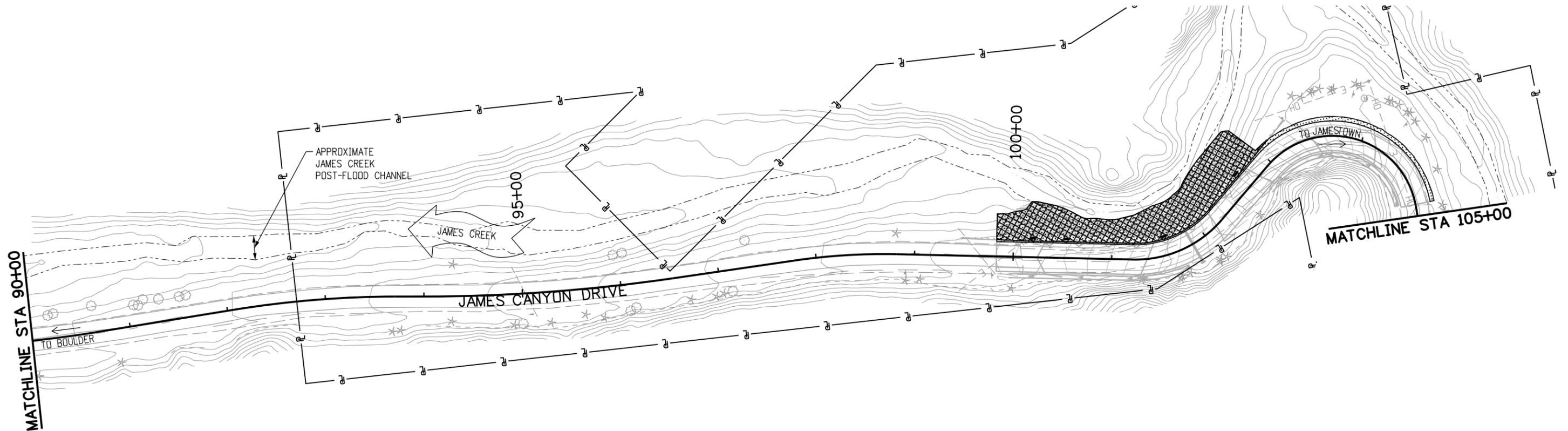
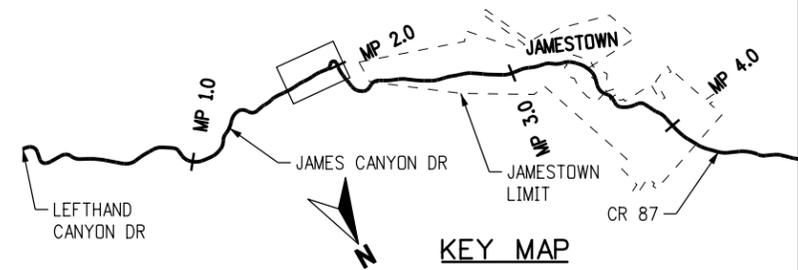
BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

DESIGNED: QIN	CAD: QIN	CHECKED:	DATE: 01/22/2016
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JAMES CANYON
SWMP FINAL PLAN
STA 90+00 TO 105+00
 PROJECT NO: SEPT12C24
 SEPT12C91 SHEET NO: 62

STA 99+83, LT TO
 STA 103+08, LT
 1065 SY SOIL RETENTION BLANKET

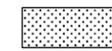
STA 99+83, LT TO
 STA 104+88, LT
 0.26 ACRES SEEDING
 26 LB MULCH TACKIFIER



EROSION CONTROL LEGEND



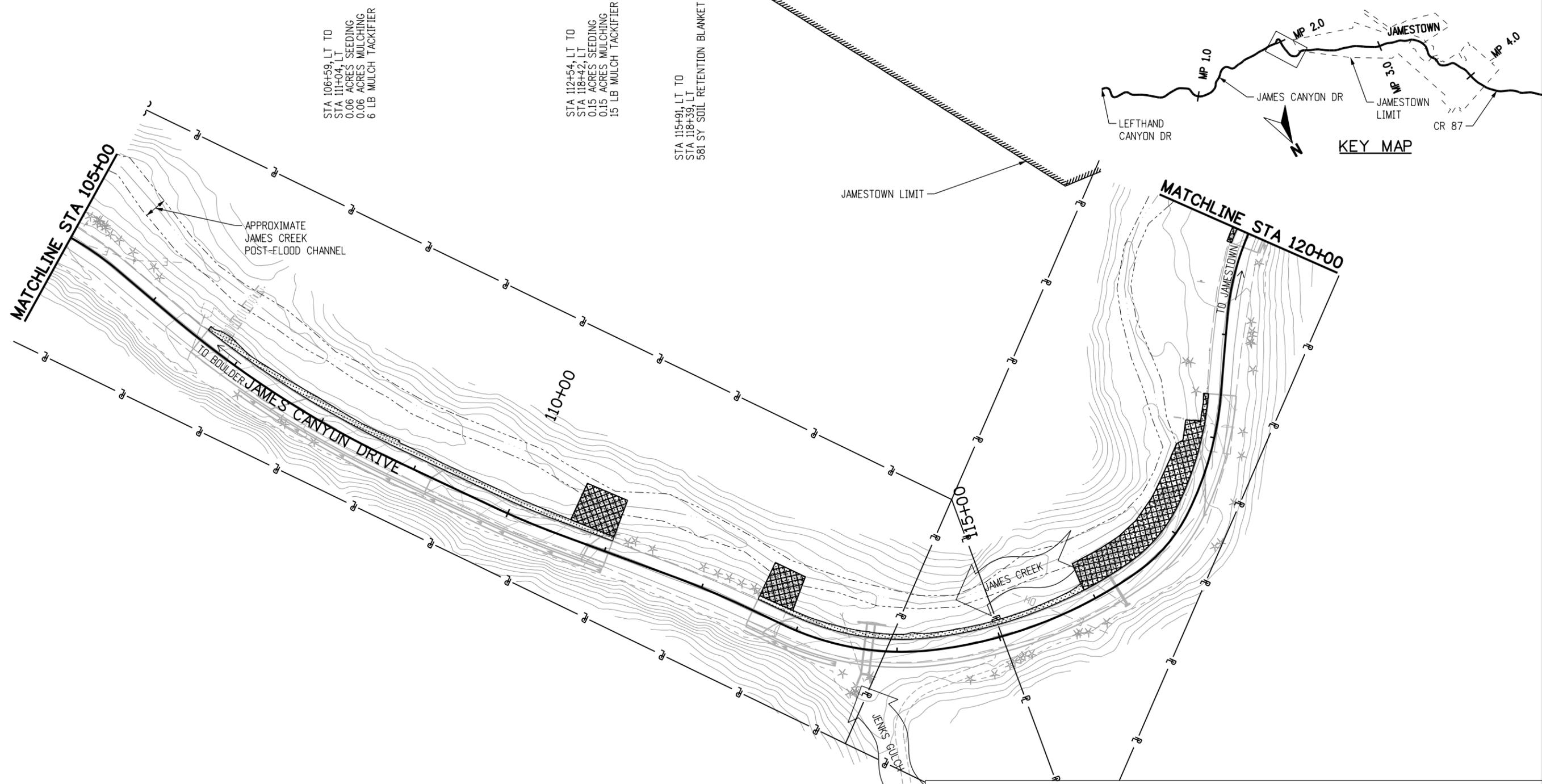
SOIL RETENTION BLANKET
 (USED IN PLACE OF MULCH
 AND MULCH TACKIFIER ON
 SLOPES 3:1 OR GREATER)



ALL SHEETS SURFACE
 ROUGHENING SEEDING,
 MULCHING AND
 MULCH TACKIFIER

60% REVIEW SET

kandelinds 1/22/2016 11:12:30 AM L:\0048\900-CAD\02-SHEETS\BDCD-James-Final\BDCD-James-Final_SWMP-Final08.dgn



STA 106+59, LT TO STA 111+04, LT
0.06 ACRES SEEDING
0.06 ACRES MULCHING
6 LB MULCH TACKIFIER

STA 112+54, LT TO STA 118+42, LT
0.15 ACRES SEEDING
0.15 ACRES MULCHING
15 LB MULCH TACKIFIER

STA 115+91, LT TO STA 118+39, LT
581 SY SOIL RETENTION BLANKET

APPROXIMATE JAMES CREEK POST-FLOOD CHANNEL

- NOTES:
1. ALL DISTURBED AREAS SHALL RECEIVE SEEDING, MULCHING AND NULCH TACKIFIER.
 2. DISTURBED AREAS ON SLOPES 3:1 AND STEEPER SHALL RECEIVE SOIL RETENTION BLANKET. SLOPES FLATTER THAN 3:1 SHALL RECEIVE MULCHING.
 3. SOIL CONDITIONER SHALL BE APPLIED PRIOR TO SEED, TACKIFIER AND ADDITIONAL FINAL STABILIZATION TREATMENTS.

EROSION CONTROL LEGEND

-  SOIL RETENTION BLANKET (USED IN PLACE OF MULCH AND MULCH TACKIFIER ON SLOPES 3:1 OR GREATER)
-  ALL SHEETS SURFACE ROUGHENING SEEDING, MULCHING AND MULCH TACKIFIER



60%

CALL UTILITY NOTIFICATION CENTER OF COLORADO
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

REVISIONS:	NO.	DATE	REVISION DESCRIPTION:



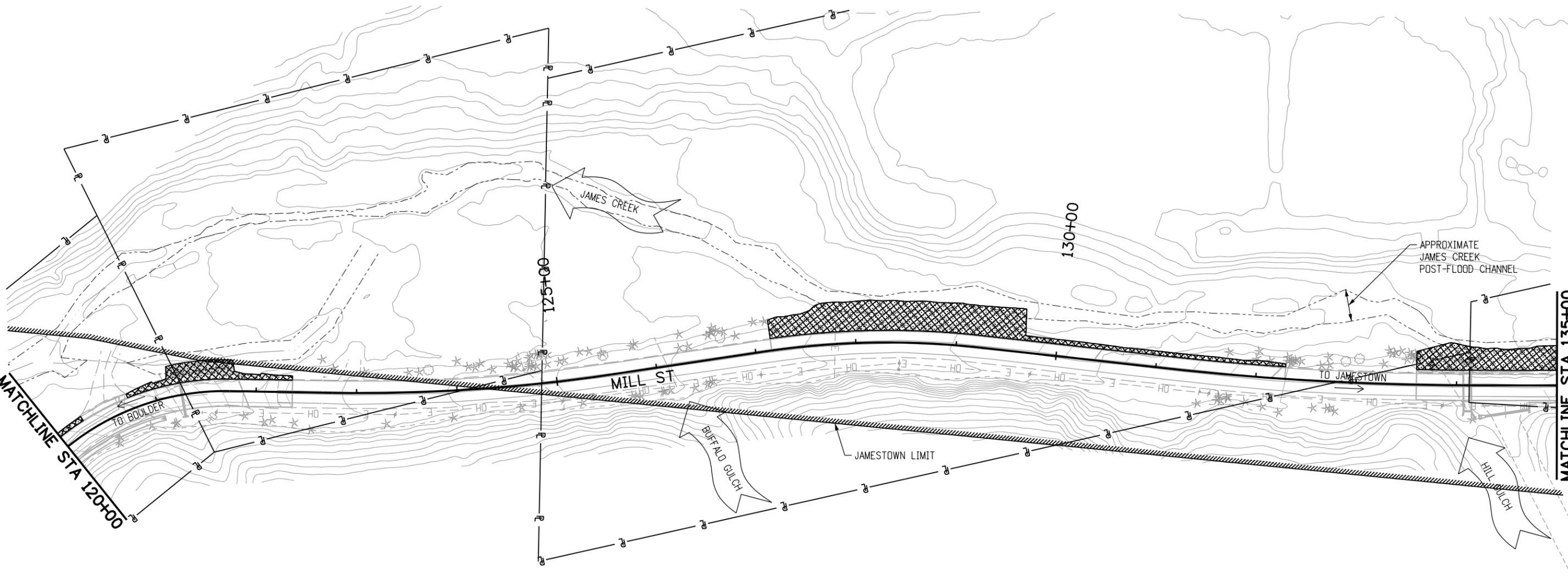
BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION


DESIGNED: OIN	CAD: OIN	CHECKED:	DATE: 01/22/2016
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JAMES CANYON SWMP FINAL PLAN
STA 105+00 TO 120+00
 PROJECT NO: SEPT12C24
 SHEET NO: 63

60% REVIEW SET

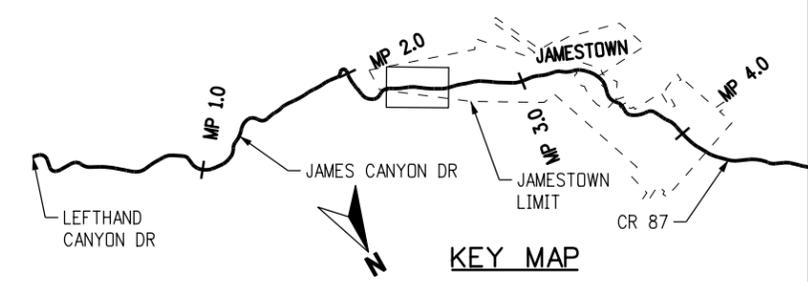
kandelrinds 1/22/2016 11:12:32 AM L:\0048\900-CAD\02-SHEETS\BDCD-James-Final_SWMP-Final09.dgn



STA 119+86, LT TO
STA 122+36, LT
0.06 ACRES SEEDING
0.06 ACRES MULCHING
6 LB MULCH TACKIFIER
291 SY SOIL RETENTION BLANKET

STA 127+16, LT TO
STA 132+29, LT
0.19 ACRES SEEDING
0.19 ACRES MULCHING
19 LB MULCH TACKIFIER
920 SY SOIL RETENTION BLANKET

STA 133+60, LT TO
STA 138+00, LT
0.2 ACRES SEEDING
0.2 ACRES MULCHING
20 LB MULCH TACKIFIER
988 SY SOIL RETENTION BLANKET



MATCHLINE STA 120+00

MATCHLINE STA 135+00

- NOTES:
1. ALL DISTURBED AREAS SHALL RECEIVE SEEDING, MULCHING AND MULCH TACKIFIER.
 2. DISTURBED AREAS ON SLOPES 3:1 AND STEEPER SHALL RECEIVE SOIL RETENTION BLANKET. SLOPES FLATTER THAN 3:1 SHALL RECEIVE MULCHING.
 3. SOIL CONDITIONER SHALL BE APPLIED PRIOR TO SEED, TACKIFIER AND ADDITIONAL FINAL STABILIZATION TREATMENTS.

EROSION CONTROL LEGEND

	SOIL RETENTION BLANKET (USED IN PLACE OF MULCH AND MULCH TACKIFIER ON SLOPES 3:1 OR GREATER)		ALL SHEETS SURFACE ROUGHENING SEEDING, MULCHING AND MULCH TACKIFIER
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60% REVIEW SET



60%

CALL UTILITY NOTIFICATION CENTER OF COLORADO

 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

REVISIONS:	NO.	DATE	REVISION DESCRIPTION:



BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

DESIGNED: OIN	CAD: OIN	CHECKED:	DATE: 01/22/2016
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JAMES CANYON SWMP FINAL PLAN
 STA 120+00 TO 135+00
 PROJECT NO: SEPT12C24
 SHEET NO: 64

kandelrinds 1/22/2016 11:12:34 AM L:\0048\900-CAD\02-SHEETS\H\BDCD-James-Final_SWMP-Final.dgn

STA 138+66, LT TO
 STA 140+11, LT
 0.14 ACRES SEEDING
 0.14 ACRES MULCHING
 14 LB MULCH TACKIFIER
 678 SY SOIL RETENTION BLANKET

STA 146+88, LT TO
 STA 149+41, LT
 0.08 ACRES SEEDING
 0.08 ACRES MULCHING
 8 LB MULCH TACKIFIER
 388 SY SOIL RETENTION BLANKET



MATCHLINE STA 135+00

MATCHLINE STA 150+00

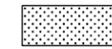
NOTES:

1. ALL DISTURBED AREAS SHALL RECEIVE SEEDING, MULCHING AND MULCH TACKIFIER.
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3. SOIL CONDITIONER SHALL BE APPLIED PRIOR TO SEED, TACKIFIER AND ADDITIONAL FINAL STABILIZATION TREATMENTS.

EROSION CONTROL LEGEND



SOIL RETENTION BLANKET
 (USED IN PLACE OF MULCH
 AND MULCH TACKIFIER ON
 SLOPES 3:1 OR GREATER)



ALL SHEETS SURFACE
 ROUGHENING SEEDING,
 MULCHING AND
 MULCH TACKIFIER

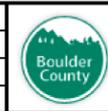
60% REVIEW SET



60%

CALL UTILITY NOTIFICATION CENTER OF COLORADO
811
 CALL 2—BUSINESS DAYS IN
 ADVANCE BEFORE YOU DIG, GRADE,
 OR EXCAVATE FOR THE MARKING OF
 UNDERGROUND MEMBER UTILITIES

REVISONS:	NO.	DATE	REVISION DESCRIPTION:

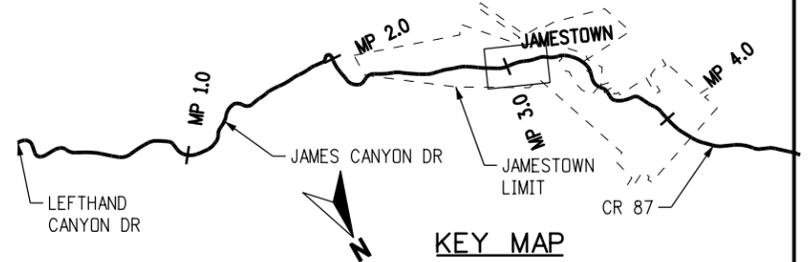


BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
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DESIGNED: OIN	CAD: OIN	CHECKED:	DATE: 01/22/2016
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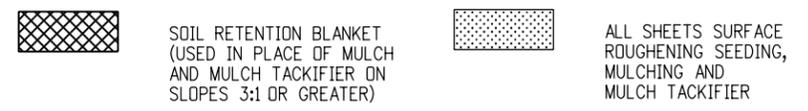
JAMES CANYON
 SWMP FINAL PLAN
 STA 135+00 TO 150+00
 PROJECT NO: SEPT12C24
 SHEET NO: 65

kandelrinds 1/22/2016 11:12:36 AM L:\0048\900-CAD\02-SHEETS\BDCD-James-Final\BDCD-James-Final\SWMP-Final.dgn



- NOTES:
1. ALL DISTURBED AREAS SHALL RECEIVE SEEDING, MULCHING AND NULCH TACKIFIER.
 2. DISTURBED AREAS ON SLOPES 3:1 AND STEEPER SHALL RECEIVE SOIL RETENTION BLANKET. SLOPES FLATTER THAN 3:1 SHALL RECEIVE MULCHING.
 3. SOIL CONDITIONER SHALL BE APPLIED PRIOR TO SEED, TACKIFIER AND ADDITIONAL FINAL STABILIZATION TREATMENTS.

EROSION CONTROL LEGEND



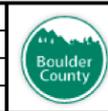
60% REVIEW SET



60%

CALL UTILITY NOTIFICATION CENTER OF COLORADO
 CALL 2—BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

REVISIONS:	NO.	DATE	REVISION DESCRIPTION:

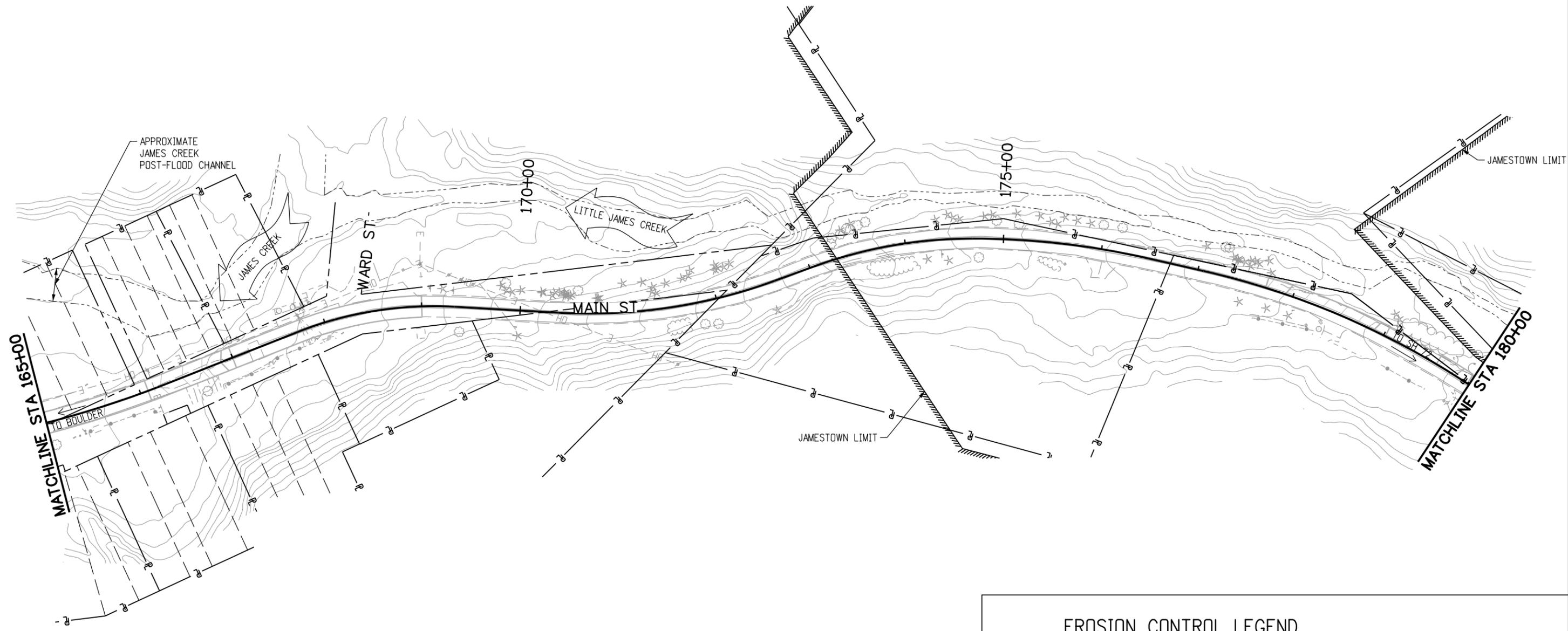
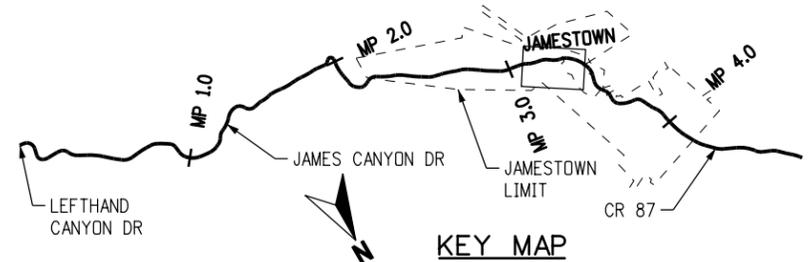


BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

DESIGNED: OIN	CAD: OIN	CHECKED:	DATE: 01/22/2016
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JAMES CANYON SWMP FINAL PLAN
STA 150+00 TO 165+00
 PROJECT NO: SEPT12C24
 SHEET NO: 66

kandelrds 1/22/2016 11:12:37 AM L:\0048\900-CAD\02-SHEETS\BDCD-James-Final_SWMP-Final2.dgn



- NOTES:
1. ALL DISTURBED AREAS SHALL RECEIVE SEEDING, MULCHING AND MULCH TACKIFIER.
 2. DISTURBED AREAS ON SLOPES 3:1 AND STEEPER SHALL RECEIVE SOIL RETENTION BLANKET. SLOPES FLATTER THAN 3:1 SHALL RECEIVE MULCHING.
 3. SOIL CONDITIONER SHALL BE APPLIED PRIOR TO SEED, TACKIFIER AND ADDITIONAL FINAL STABILIZATION TREATMENTS.

EROSION CONTROL LEGEND



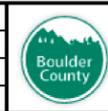
60% REVIEW SET



60%

CALL UTILITY NOTIFICATION CENTER OF COLORADO
 CALL 2—BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

REVISIONS:	NO.	DATE	REVISION DESCRIPTION:



BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

DESIGNED: OIN	CAD: OIN	CHECKED:	DATE: 01/22/2016
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JAMES CANYON SWMP FINAL PLAN
STA 165+00 TO 180+00
 PROJECT NO: SEPT12C24 / SEPT12C91 SHEET NO: 67

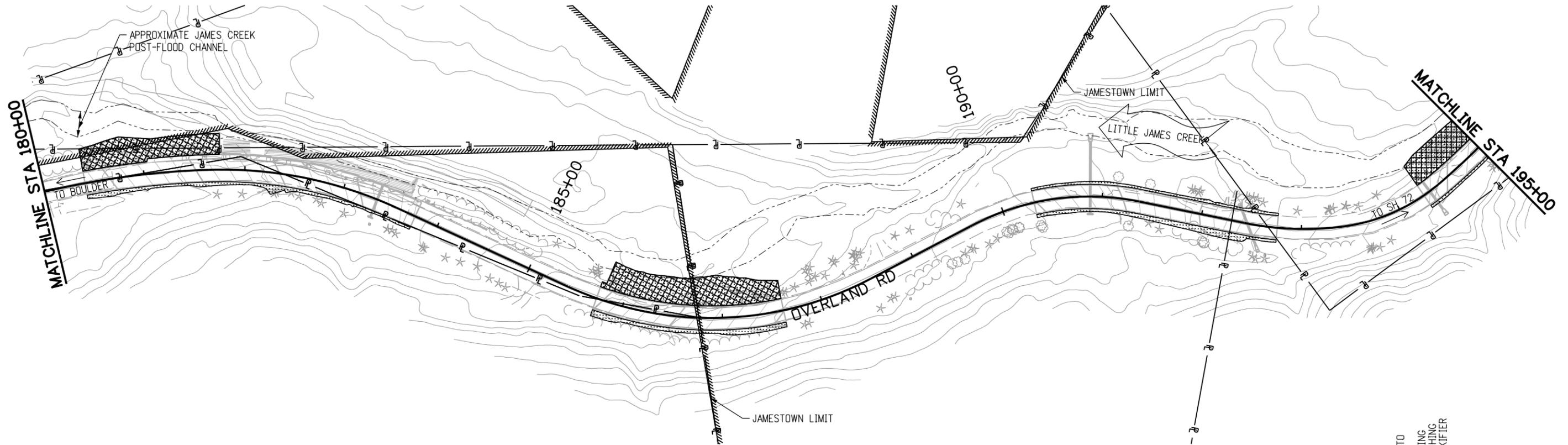
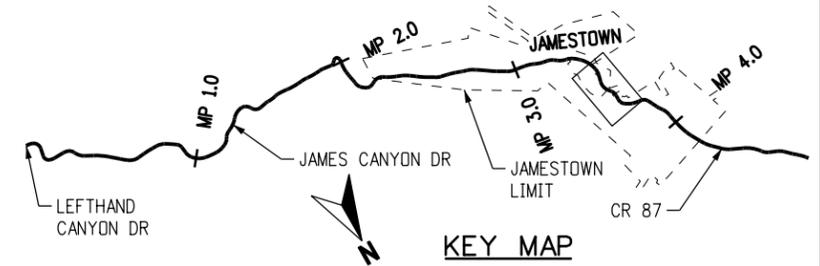
kandelinds 1/22/2016 11:12:39 AM L:\0048\900-CAD\02-SHEETS\H\BDCD-James-Final\BDCD-James-Final\BDCD-James-Final_SWMP-Final3.dgn

STA 180+39, LT TO
STA 184+72, LT
0.07 ACRES SEEDING
0.07 ACRES MULCHING
7 LB MULCH TACKIFIER
339 SY SOIL RETENTION BLANKET

STA 185+70, LT TO
STA 187+58, LT
0.10 ACRES SEEDING
0.10 ACRES MULCHING
10 LB MULCH TACKIFIER
484 SY SOIL RETENTION BLANKET

STA 190+29, LT TO
STA 192+76, LT
0.02 ACRES SEEDING
0.02 ACRES MULCHING
2 LB MULCH TACKIFIER

STA 194+25, LT TO
STA 195+49, LT
0.07 ACRES SEEDING
0.07 ACRES MULCHING
7 LB MULCH TACKIFIER
339 SY SOIL RETENTION BLANKET



STA 180+39, RT TO
STA 183+73, RT
0.03 ACRES SEEDING
0.03 ACRES MULCHING
3 LB MULCH TACKIFIER

STA 185+70, RT TO
STA 187+58, RT
0.02 ACRES SEEDING
0.02 ACRES MULCHING
2 LB MULCH TACKIFIER

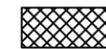
STA 190+29, RT TO
STA 192+73, RT
0.03 ACRES SEEDING
0.03 ACRES MULCHING
3 LB MULCH TACKIFIER

STA 194+25, RT TO
STA 195+49, RT
0.01 ACRES SEEDING
0.01 ACRES MULCHING
1 LB MULCH TACKIFIER

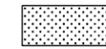
NOTES:

1. ALL DISTURBED AREAS SHALL RECEIVE SEEDING, MULCHING AND MULCH TACKIFIER.
2. DISTURBED AREAS ON SLOPES 3:1 AND STEEPER SHALL RECEIVE SOIL RETENTION BLANKET. SLOPES FLATTER THAN 3:1 SHALL RECEIVE MULCHING.
3. SOIL CONDITIONER SHALL BE APPLIED PRIOR TO SEED, TACKIFIER AND ADDITIONAL FINAL STABILIZATION TREATMENTS.

EROSION CONTROL LEGEND



SOIL RETENTION BLANKET (USED IN PLACE OF MULCH AND MULCH TACKIFIER ON SLOPES 3:1 OR GREATER)



ALL SHEETS SURFACE ROUGHENING SEEDING, MULCHING AND MULCH TACKIFIER

60% REVIEW SET



60%

CALL UTILITY NOTIFICATION CENTER OF COLORADO
811
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

REVISIONS:	NO.	DATE	REVISION DESCRIPTION:



Boulder County
AECOM
Boulder County Transportation Department
Engineering Division

DESIGNED: OIN	CAD: OIN	CHECKED:	DATE: 01/22/2016
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JAMES CANYON
SWMP FINAL PLAN
STA 180+00 TO 195+00
PROJECT NO: SEPT12C24
SEPT12C91
SHEET NO: 68

kandelinds 1/22/2016 11:12:41 AM L:\0048\900-CAD\02-SHEETS\HYDRO\BDCD-James-Final\BDCD-James-Final-SWMP-Final.dgn

NOTES:

1. ALL DISTURBED AREAS SHALL RECEIVE SEEDING, MULCHING AND MULCH TACKIFIER.
2. DISTURBED AREAS ON SLOPES 3:1 AND STEEPER SHALL RECEIVE SOIL RETENTION BLANKET. SLOPES FLATTER THAN 3:1 SHALL RECEIVE MULCHING.
3. SOIL CONDITIONER SHALL BE APPLIED PRIOR TO SEED, TACKIFIER AND ADDITIONAL FINAL STABILIZATION TREATMENTS.



60%

CALL UTILITY NOTIFICATION CENTER OF COLORADO
 CALL 2—BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	REVISION DESCRIPTION:



BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

AECOM

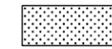
DESIGNED: OIN	CAD: OIN	CHECKED:	DATE: 01/22/2016
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JAMES CANYON
SWMP FINAL PLAN
STA 195+00 TO 210+00
 PROJECT NO: SEPT12C24
 SHEET NO: 69

EROSION CONTROL LEGEND

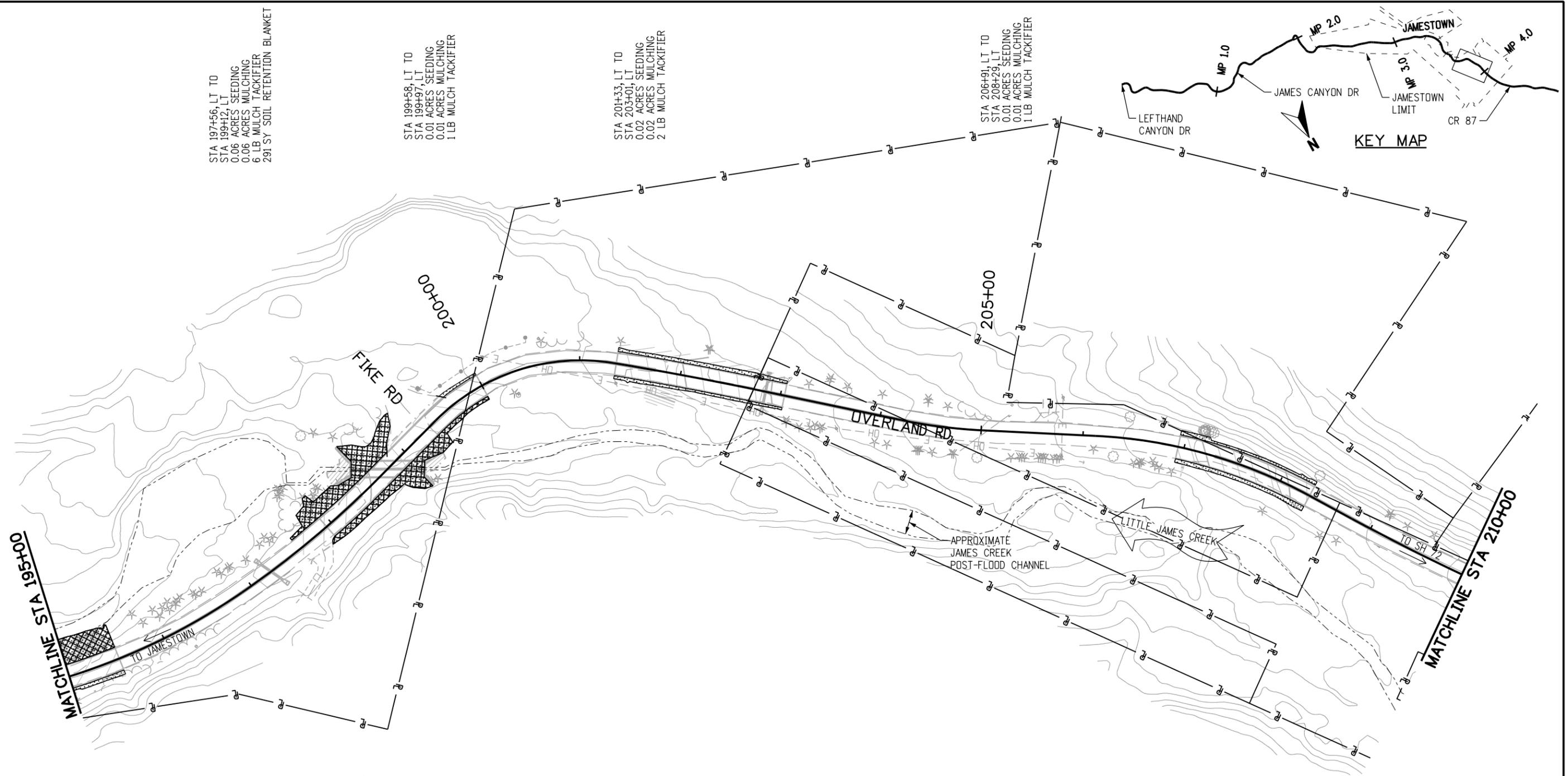


SOIL RETENTION BLANKET
 (USED IN PLACE OF MULCH
 AND MULCH TACKIFIER ON
 SLOPES 3:1 OR GREATER)



ALL SHEETS SURFACE
 ROUGHENING, SEEDING,
 MULCHING AND
 MULCH TACKIFIER

60% REVIEW SET



STA 197+56, LT TO
 STA 199+12, LT
 0.06 ACRES SEEDING
 0.06 ACRES MULCHING
 6 LB MULCH TACKIFIER
 291 SY SOIL RETENTION BLANKET

STA 199+58, LT TO
 STA 199+97, LT
 0.01 ACRES SEEDING
 0.01 ACRES MULCHING
 1 LB MULCH TACKIFIER

STA 201+33, LT TO
 STA 203+01, LT
 0.02 ACRES SEEDING
 0.02 ACRES MULCHING
 2 LB MULCH TACKIFIER

STA 206+91, LT TO
 STA 208+29, LT
 0.01 ACRES SEEDING
 0.01 ACRES MULCHING
 1 LB MULCH TACKIFIER

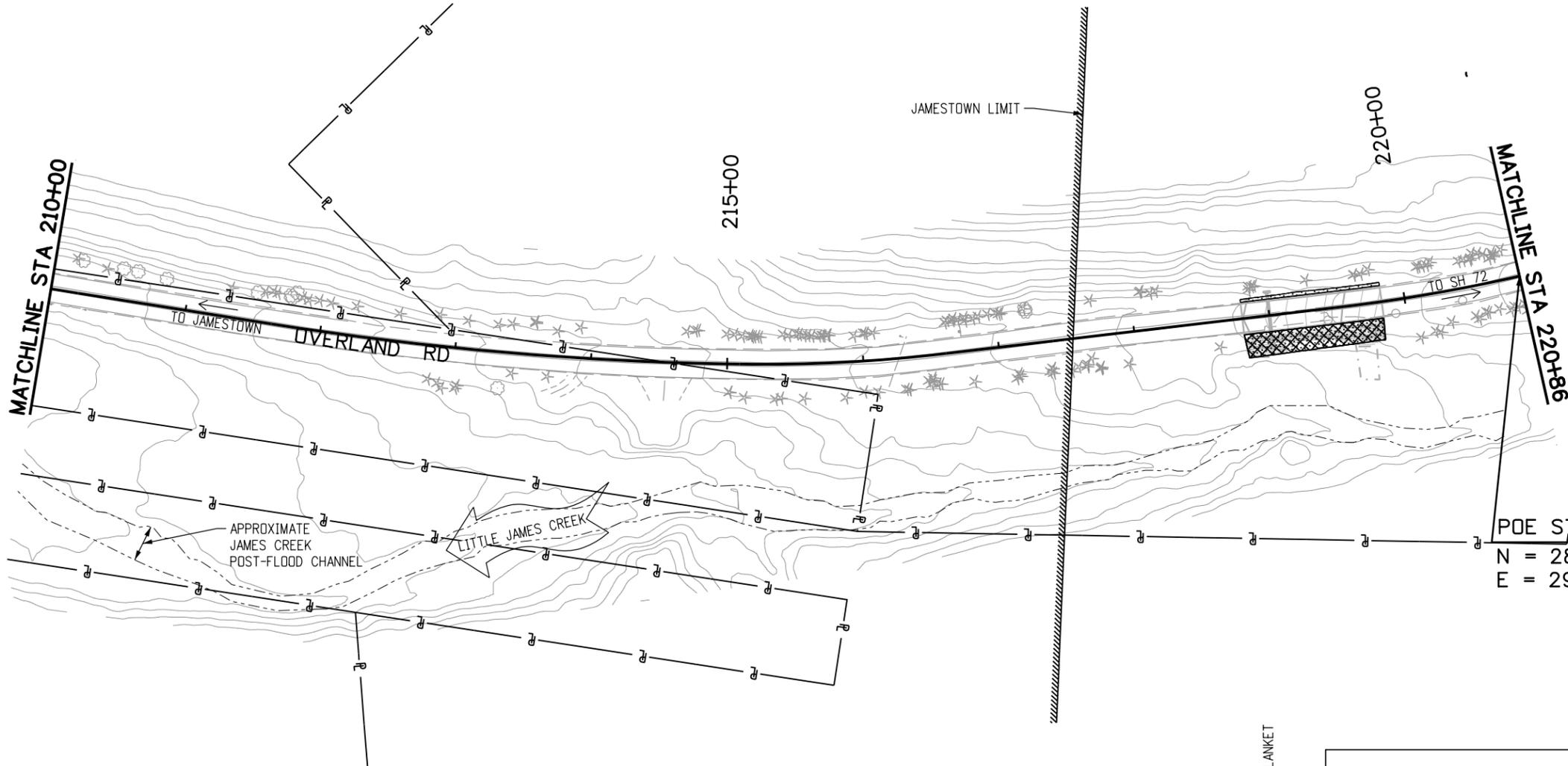
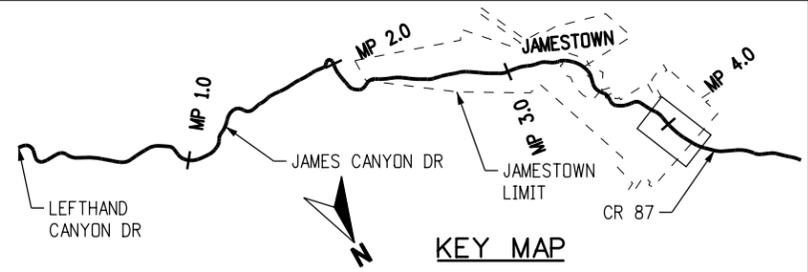
STA 197+85, RT TO
 STA 199+97, RT
 0.05 ACRES SEEDING
 0.05 ACRES MULCHING
 5 LB MULCH TACKIFIER
 242 SY SOIL RETENTION BLANKET

STA 201+33, RT TO
 STA 203+01, RT
 0.02 ACRES SEEDING
 0.02 ACRES MULCHING
 2 LB MULCH TACKIFIER

STA 206+92, RT TO
 STA 208+29, RT
 0.02 ACRES SEEDING
 0.02 ACRES MULCHING
 2 LB MULCH TACKIFIER

kandelinds 1/22/2016 11:12:42 AM L:\0048\900-CAD\02-SHEETS\BDCD-James-Final_SWMP-Final15.dgn

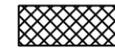
STA 218+77, LT TO
 STA 219+80, LT
 0.01 ACRES SEEDING
 0.01 ACRES MULCHING
 1 LB MULCH TACKIFIER
 49 SY SOIL RETENTION BLANKET



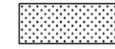
- NOTES:
1. ALL DISTURBED AREAS SHALL RECEIVE SEEDING, MULCHING AND MULCH TACKIFIER.
 2. DISTURBED AREAS ON SLOPES 3:1 AND STEEPER SHALL RECEIVE SOIL RETENTION BLANKET. SLOPES FLATTER THAN 3:1 SHALL RECEIVE MULCHING.
 3. SOIL CONDITIONER SHALL BE APPLIED PRIOR TO SEED, TACKIFIER AND ADDITIONAL FINAL STABILIZATION TREATMENTS.

STA 218+77, LT TO
 STA 219+80, LT
 0.04 ACRES SEEDING
 0.04 ACRES MULCHING
 4 LB MULCH TACKIFIER
 194 SY SOIL RETENTION BLANKET

EROSION CONTROL LEGEND



SOIL RETENTION BLANKET
 (USED IN PLACE OF MULCH
 AND MULCH TACKIFIER ON
 SLOPES 3:1 OR GREATER)



ALL SHEETS SURFACE
 ROUGHENING SEEDING,
 MULCHING AND
 MULCH TACKIFIER

60% REVIEW SET



60%

CALL UTILITY NOTIFICATION CENTER OF COLORADO
811
 CALL 2-BUSINESS DAYS IN
 ADVANCE BEFORE YOU DIG, GRADE,
 OR EXCAVATE FOR THE MARKING OF
 UNDERGROUND MEMBER UTILITIES

REVISIONS:	NO.	DATE	REVISION DESCRIPTION:

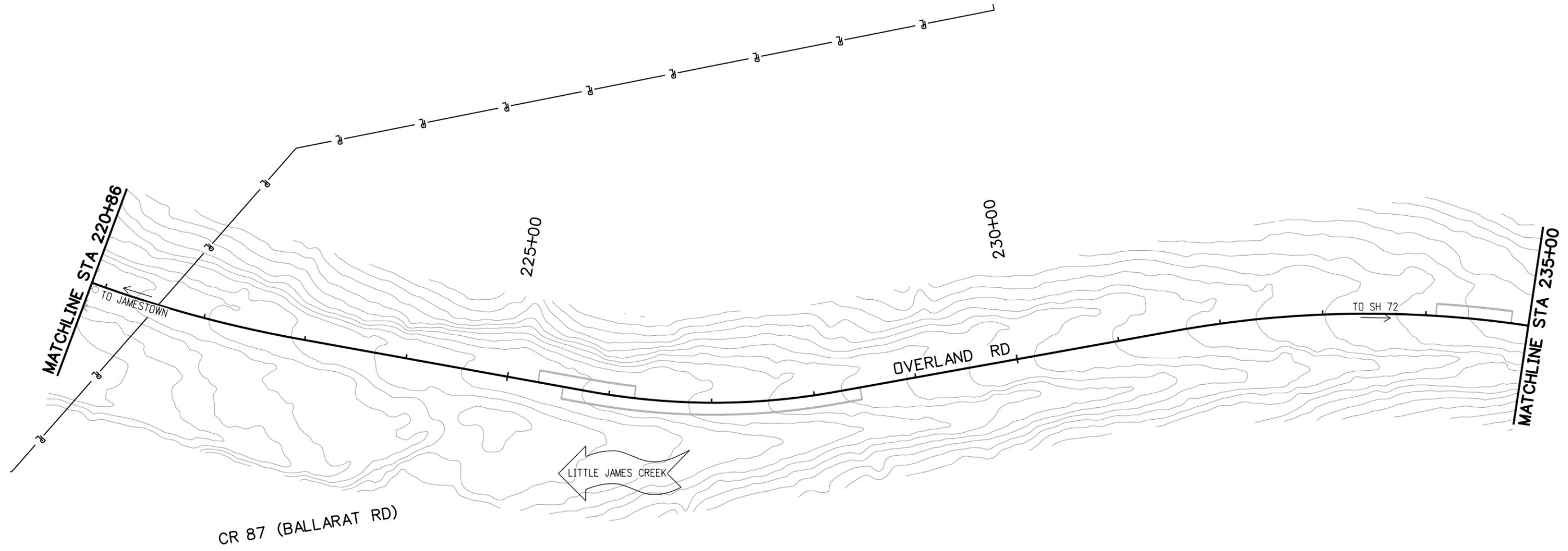
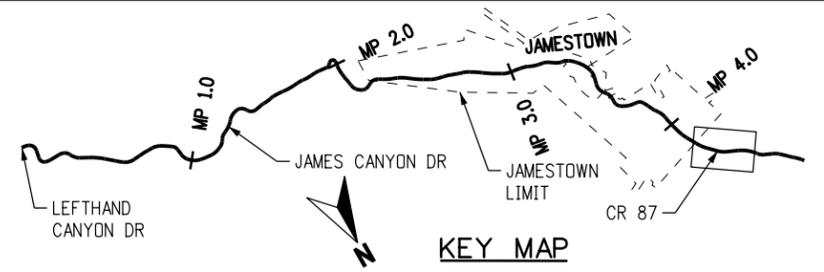


BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

DESIGNED: OIN	CAD: OIN	CHECKED:	DATE: 01/22/2016
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JAMES CANYON
SWMP FINAL PLAN
STA 210+00 TO 220+00
 PROJECT NO: SEPT12C24
 SHEET NO: 70

kandelinds 1/22/2016 11:12:44 AM L:\0048\900-CAD\02-SHEETS\H\BDCD-James-Final_SWMP-Final16.dgn



- NOTES:
1. ALL DISTURBED AREAS SHALL RECEIVE SEEDING, MULCHING AND MULCH TACKIFIER.
 2. DISTURBED AREAS ON SLOPES 3:1 AND STEEPER SHALL RECEIVE SOIL RETENTION BLANKET. SLOPES FLATTER THAN 3:1 SHALL RECEIVE MULCHING.
 3. SOIL CONDITIONER SHALL BE APPLIED PRIOR TO SEED, TACKIFIER AND ADDITIONAL FINAL STABILIZATION TREATMENTS.

EROSION CONTROL LEGEND



60% REVIEW SET



60%

CALL UTILITY NOTIFICATION CENTER OF COLORADO

 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

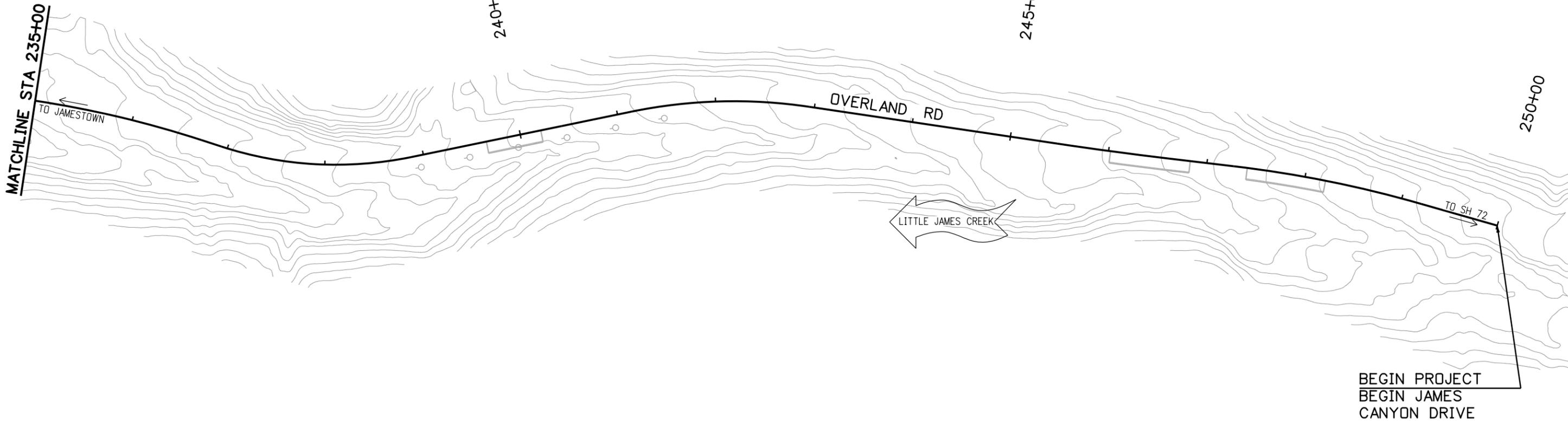
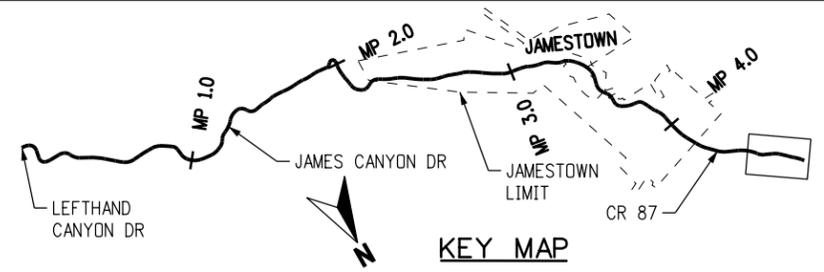
REVISIONS:	NO.	DATE	REVISION DESCRIPTION:

Boulder County
 **AECOM**
Boulder County TRANSPORTATION DEPARTMENT ENGINEERING DIVISION

DESIGNED: OIN	CAD: OIN	CHECKED:	DATE: 01/22/2016
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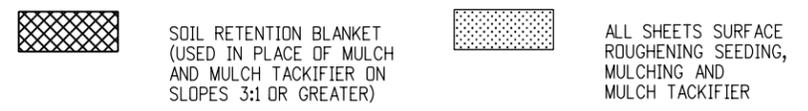
JAMES CANYON SWMP FINAL PLAN
 STA 220+00 TO 235+00
 PROJECT NO: SEPT12C24 / SEPT12C91
 SHEET NO: 71

kandelrinds 1/22/2016 11:12:46 AM L:\0048\900-CAD\02-SHEETS\BDCD-James-Final\BDCD-James-Final\BDCD-James-Final_SWMP-Final7.dgn



- NOTES:
1. ALL DISTURBED AREAS SHALL RECEIVE SEEDING, MULCHING AND MULCH TACKIFIER.
 2. DISTURBED AREAS ON SLOPES 3:1 AND STEEPER SHALL RECEIVE SOIL RETENTION BLANKET. SLOPES FLATTER THAN 3:1 SHALL RECEIVE MULCHING.
 3. SOIL CONDITIONER SHALL BE APPLIED PRIOR TO SEED, TACKIFIER AND ADDITIONAL FINAL STABILIZATION TREATMENTS.

EROSION CONTROL LEGEND



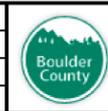
60% REVIEW SET



60%

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 CALL 2—BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

REVISIONS:	NO.	DATE	REVISION DESCRIPTION:



BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION


DESIGNED: OIN	CAD: OIN	CHECKED:	DATE: 01/22/2016
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JAMES CANYON SWMP FINAL PLAN
STA 235+00 TO 250+00
 PROJECT NO: SEPT12C24
 SHEET NO: 72