NOTES:

1. REMOVAL OF PIPES SHALL INCLUDE ALL RELATED END SECTIONS, REDUCERS AND APPURTENANCES AND SHALL NOT ADVERSELY EFFECT DRAINAGE, EROSION CONTROL, OR PUBLIC SAFETY IN THE INTERIM UNTIL PERMANENT IMPROVEMENTS ARE INSTALLED.

2. FOR DITCH SIZE, EXTENTS, AND PROTECTION SEE DRAINAGE DITCH DETAILS SHEET.

3. FOR DIMENSIONS AND SPECIFICATIONS REGARDING INLET/OUTLET PROTECTION, PADES, AND RUNDOWNS SEE DRAINAGE DETAILS.

4. RIPRAP MAY BE OMITTED OR MODIFIED TO PROTECT TILES FROM DAMAGE OR REMOVAL AS DIRECTED BY THE ENGINEER.
NOTES:

1. REMOVAL OF PIPES SHALL INCLUDE ALL RELATED END SECTIONS, HEADWALLS AND APPURTENANCES AND SHALL NOT ADVERSELY AFFECT DRAINAGE, EROSION CONTROL OR PUBLIC SAFETY IN THE INTERIM UNTIL PERMANENT IMPROVEMENTS ARE INSTALLED.

2. FOR DITCH SIZE, EXTENTS, AND PROTECTION SEE DRAINAGE DITCH DETAILS SHEET.

3. FOR EXCAVATIONS AND SPECIFICATIONS REGARDING INLET/OUTLET PROTECTION, PADS, AND RUNDOWNS SEE DRAINAGE DETAILS.

4. RIPRAP MAY BE OMITTED OR MODIFIED TO PROTECT TREES FROM DAMAGE OR REMOVAL, AS DIRECTED BY THE ENGINEER.

CALL UTILITY NOTIFICATION CENTER OF COLORADO
ADDED NOTES MAY BE MODIFIED TO PROTECT TREES FROM DAMAGE OR REMOVAL, AS DIRECTED BY THE ENGINEER.
NOTES:

1. REMOVAL OF PIPES SHALL INCLUDE ALL RELATED END SECTIONS, HEADWALLS AND APPURTENANCES AND SHALL NOT ADVERSELY AFFECT DRAINAGE, DESIGN CONTROL OR PUBLIC SAFETY IN THE ETHERWAT THROUGH PERMANENT IMPROVEMENTS ARE INSTALLED.

2. FOR DITCH SIZE, EXTETS, AND PROTECTION SEE DRAINAGE DITCH DETAILS SHEET.

3. EXISTING EASEMENT RELATED END SECTIONS, HEADWALLS AND APPURTENANCES AND SHALL NOT ADVERSELY AFFECT DRAINAGE, DESIGN CONTROL OR PUBLIC SAFETY IN THE ETHERWAT THROUGH PERMANENT IMPROVEMENTS ARE INSTALLED.

4. REMOVAL OF PIPE MAY BE DELETED OR MODIFIED TO PROTECT TREES FROM DAMAGE OR REMOVAL AS DIRECTED BY THE ENGINEER.
NOTES:

1. REMOVAL OF PIPES SHALL INCLUDE ALL RELATED END SECTIONS, MEANDERS AND APPURTENANCES AND SHALL NOT ADVERSELY EFFECT DRAINAGE, EROSION CONTROL OR PUBLIC SAFETY. IN THE INTERIM UNTIL PERMANENT IMPROVEMENTS ARE INSTALLED.

2. FOR SITE-SITE EXTENTS AND PROTECTION SEE DRAINAGE DITCH DETAILS SHEET.

3. FOR DIMENSIONS AND SPECIFICATIONS REGARDING INLET/OUTLET PROTECTION, PADS, AND RUNOFFS SEE DRAINAGE DETAILS.

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NOTES:

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3. FOR DROPOFFS AND SPECIFICATIONS REGARDING DITCH SIZE, EXTENTS, AND PROTECTION SEE DRAINAGE DITCH DETAILS SHEET.

4. RESEED MAY BE MODIFIED OR ADJUSTED TO PROTECT TREES FROM DAMAGE OR REMOVAL, AS DIRECTED BY THE ENGINEER.

ENVIRONMENTAL AREA OF CONCERN

PROTECT IN PLACE

MATCH LINE STA 86+00

MATCH LINE STA 91+00

88400

90+00

91+00

HCL'S FOURMILE CANYON

LFS-12

(APN: 146121000025)

1685 FOURMILE CANYON DR

LFS-13

(APN: 146121000025)

1685 FOURMILE CANYON DR

LFS-11

(APN: 146121000027)

1653 FOURMILE CANYON

AP: 146121000027

MATCH LINE STA 05/04/18

JAM

JPZ

1653 FOURMILE CANYON DR

AP: 146121000027

EXISTING PIPE

23" X 14" RCP

P-S-113

DITCH CH-S-110

TOP OF CUT (TYP)

TOE OF FILL (TYP)

DETAILED SHEETS

PRESCRIPTIVE ROW

PROTECT IN PLACE

OHWM/2-YR WSEL

ENVIRONMENTAL AREA OF CONCERN

PROTECT IN PLACE

TEMPORARY EASEMENT

PERMANENT EASEMENT

EXISTING WETLANDS (TYP)

132

HCL'S FOURMILE CANYON

LFS-11

(APN: 146121000027)

1653 FOURMILE CANYON DR

LFS-12

(APN: 146121000025)

1685 FOURMILE CANYON DR

LFS-13

(APN: 146121000025)

1685 FOURMILE CANYON DR

LFS-11

(APN: 146121000027)

1653 FOURMILE CANYON DR

LFS-12

(APN: 146121000025)

1685 FOURMILE CANYON DR

LFS-13

(APN: 146121000025)

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LFS-11

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NOTES:

1. 93+00 - 95+00
2. 95+00 - 97+00
3. 97+00 - 99+00

DRAINAGE PLANS
Boulder County Transportation Department
Engineering Division

FOURMILE CANYON DR (SOUTH)

NOTES:

1. REMOVAL OF PIPES SHALL INCLUDE ALL RELATED END SECTIONS, HEADWALLS AND APPURTENANCES AND SHALL NOT ADVERSELY EFFECT DRAINAGE, EROSION CONTROL OR PUBLIC SAFETY IN THE INTERIM UNTIL PERMANENT IMPROVEMENTS ARE INSTALLED.

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RIPRAP MAY BE OMITTED OR MODIFIED TO PROTECT TREES FROM DAMAGE OR REMOVAL, AS DIRECTED BY THE ENGINEER.

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

SEE DRAINAGE DETAILS.

RIPRAP RUNDOWN
RP-N-217
(TYP)

PRESCRIPTIVE ROW
DP-17
PF-N-21

HEADWALL N-A
DP-20
DP-18
DP-19

PRESCRIPTIVE ROW
DP-22

TOP OF CUT
TPP-25

TOP OF CUT
TPP-24

SOIL RIPRAP WALL PROTECTION
TPP-23

PRESCRIPTIVE ROW
DP-21

RIPRAP PAD
LFN-21

PERMANENT EASEMENT
OHWM/2-YR WSEL

TEMPORARY EASEMENT
O4-00

TOP OF CUT
TPP-20

WALL N-1
A

TOP OF CUT
TPP-19

WALL N-2

TOP OF CUT
TPP-18

WALL N-2

WALL N-1
A

PERMANENT EASEMENT
OHWM/2-YR WSEL

REVISIONS:

DATE:
05/04/18

PLAN INDEX

Boulder County Transportation Department
Engineering Division

Fourmile Canyon Dr (North)
DRAINAGE PLANS

1 OF 7

PROJECT NO: 4043.SEPT12C36

Sheet No: JAM

05/04/18

Preparation: P. Wright

Sheet No: 135

SHEET NO: 2

Hydraulic Sheet

NOTES:
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NOTES:

1. Removal of pipes shall include all related end sections, headwalls and appurtenances and shall not adversely effect drainage, erosion control or public safety in the interim until permanent improvements are installed.

2. For ditch size, extents, and protection see drainage ditch details sheet.

3. For dimensions and specifications regarding inlet/outlet protection, pads, and ripraps see drainage details.

4. Riprap may be omitted or modified to protect trees from damage or removal as directed by the engineer.

CALL UTILITY NOTIFICATION CENTER OF COLORADO

DATE: 05/04/18

4386 FOURMILE CANYON DR
(APN: 146117000057)
LFN-03

4386 FOURMILE CANYON DR
(APN: 146117000057)
LFN-04

REMOVAL OF PIPES SHALL INCLUDE ALL RELATED END SECTIONS, HEADWALLS AND APPURTENANCES AND SHALL NOT ADVERSELY EFFECT DRAINAGE, EROSION CONTROL OR PUBLIC SAFETY IN THE INTERIM UNTIL PERMANENT IMPROVEMENTS ARE INSTALLED.

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4. Riprap MAY BE OMITTED OR MODIFIED TO PROTECT TREES FROM DAMAGE OR REMOVED, AS DIRECTED BY THE ENGINEER.

5. REMOVE EXISTING WETLANDS (TYP) AND SLOPE AND DITCH PAVING.

6. REPLACE AS SLOPE 4:1 GRATE.

7. SEE DRAINAGE DITCH DETAILS FOR DRAINAGE HRD.

8. SEE DRAINAGE DITCH DETAILS FOR DRAINAGE HRD.

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2. FOR DITCH SIZE, EXTENTS, AND PROTECTION SEE DRAINAGE DETAILS SHEET.
3. FOR DIMENSIONS AND SPECIFICATIONS REGARDING INLET/OUTLET PROTECTION, PADS, AND RUNDOWNS SEE DRAINAGE DETAILS.
4. RIPRAP MAY BE OMITTED OR MODIFIED TO PROTECT TREES FROM DAMAGE OR REMOVAL, AS DIRECTED BY THE ENGINEER.

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

ADVANCED NOTIFICATION CENTER OF COLORADO
CALL 811 BEFORE YOU DIG
OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

PROJECT NO: 4726 FOURMILE CANYON DR (APN: 146117000045; APN: 146117000040) LFN-09

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PROOFREAD: 05/04/18

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AD SET: 405 SEP 12/18

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