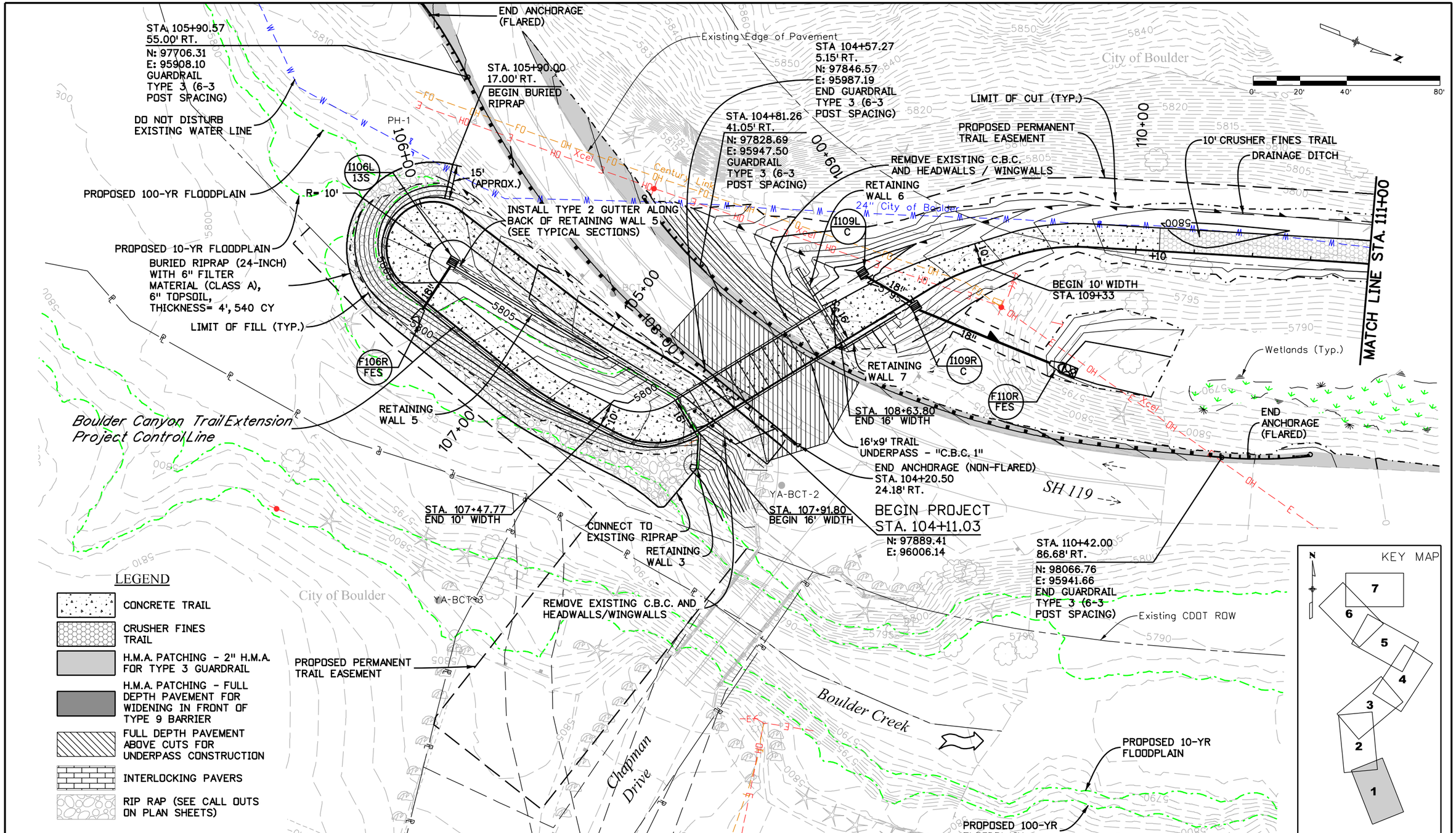

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Drawing File Name: 19888DES_TrailPlan01.dgn	Date:	Comments	Init.
Horiz. Scale: 1:40 Vert. Scale: As Noted			
Unit Information Unit Leader Initials			

MULLER ENGINEERING COMPANY

CDOT CO Region 4
1050 Lee Hill Road
Boulder, CO 80302
Phone: 303-546-5658
FAX: 303-444-0751
RDM

Boulder County

As Constructed	BOULDER CANYON TRAIL EXTENSION			Project No./Code
No Revisions:	TRAIL PLAN			STA 119A-069
Revised:	Designer: SDB	Structure Numbers		20978
Void:	Detailer: CLJ			Sheet Number 39
	Sheet Subset: PLAN	Subset Sheets:	1 of 7	

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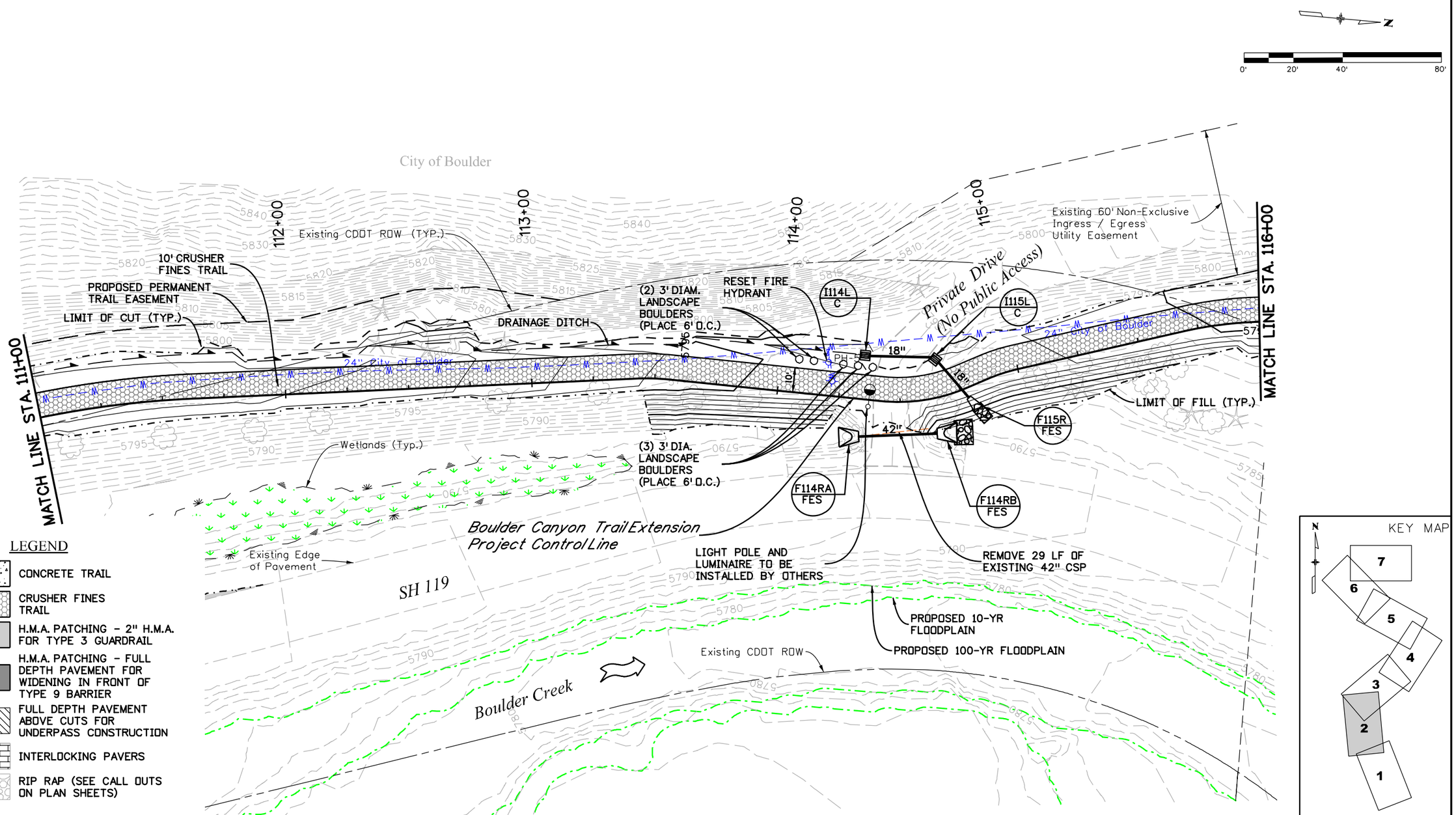

LEGEND

- CONCRETE TRAIL
- CRUSHER FINES TRAIL
- H.M.A. PATCHING - 2" H.M.A. FOR TYPE 3 GUARDRAIL
- H.M.A. PATCHING - FULL DEPTH PAVEMENT FOR WIDENING IN FRONT OF TYPE 9 BARRIER
- FULL DEPTH PAVEMENT ABOVE CUTS FOR UNDERPASS CONSTRUCTION
- INTERLOCKING PAVERS
- RIP RAP (SEE CALL OUTS ON PLAN SHEETS)

Print Date: 10/25/2018	Sheet Revisions		
Drawing File Name: 19888DES_TrailPlan02.dgn	Date:	Comments	Init.
Horiz. Scale: 1:40 Vert. Scale: As Noted			
Unit Information Unit Leader Initials			

MULLER ENGINEERING COMPANY

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Boulder County

As Constructed
No Revisions:
Revised:
Void:

BOULDER CANYON TRAIL EXTENSION
TRAIL PLAN

Designer:	SDB	Structure Numbers	
Detailer:	ZDA		
Sheet Subset:	PLAN	Subset Sheets:	2 of 7

Project No./Code
STA 119A-069
20978
Sheet Number 40

SBuckley 3:19:56 PM Q:\2015 Projects\15-025.01 Boulder Canyon TrailExtension - Boulder County\19888\Design\Drawings\19888DES_TrailPlan02.dgn
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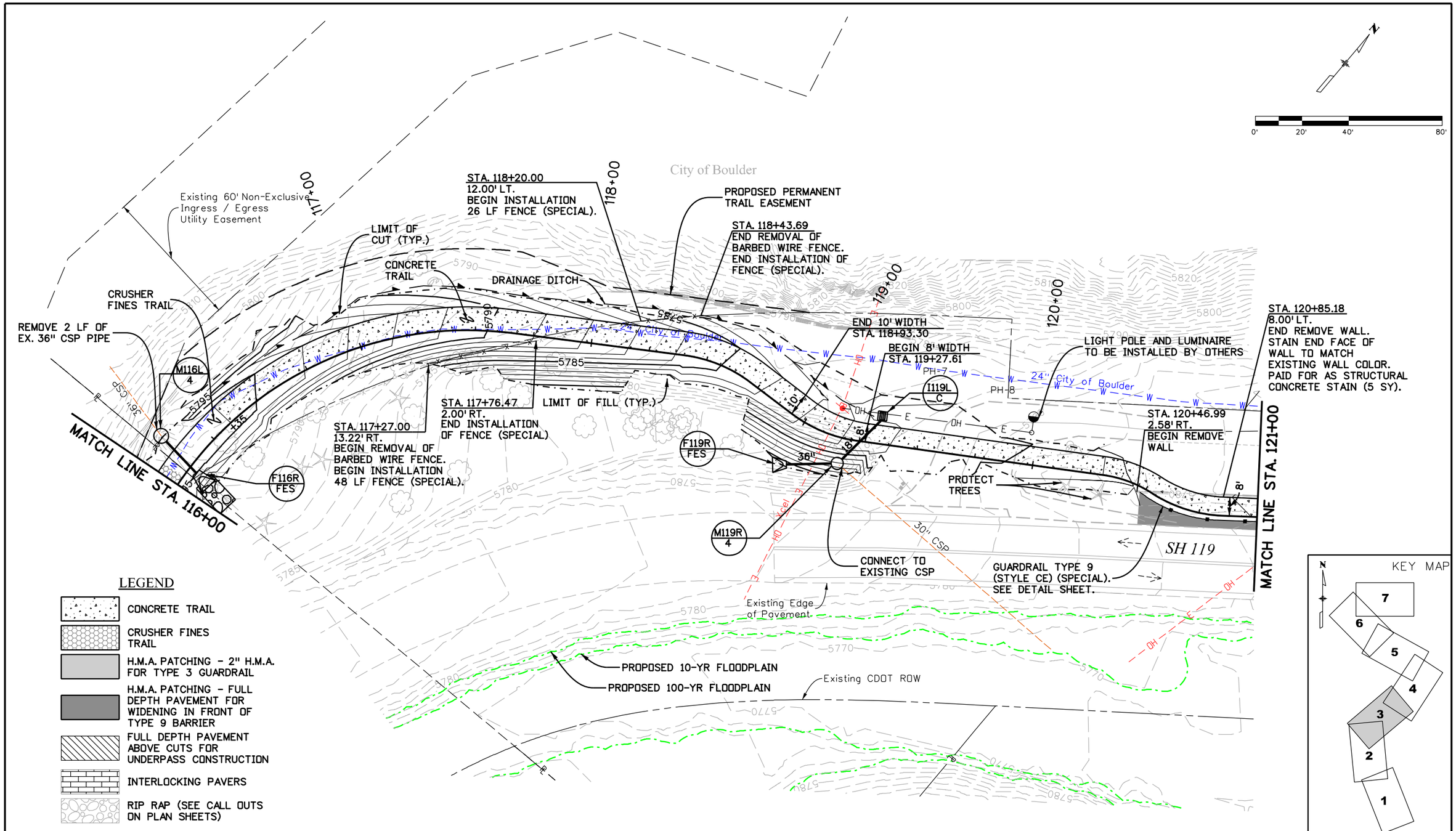

Print Date: 10/25/2018	Sheet Revisions		
Drawing File Name: 19888DES_TrailPlan03.dgn	Date:	Comments	Init.
Horiz. Scale: 1:40 Vert. Scale: As Noted			
Unit Information Unit Leader Initials			

MULLER ENGINEERING COMPANY

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Boulder County

As Constructed	BOULDER CANYON TRAIL EXTENSION			Project No./Code
No Revisions:	TRAIL PLAN			STA 119A-069
Revised:	Designer: SDB	Structure Numbers		20978
Void:	Detailer: ZDA			Sheet Number 41
	Sheet Subset: PLAN	Subset Sheets:	3 of 7	

SBuckley 3:19:59 PM Q:\2015 Projects\15-025.01 Boulder Canyon TrailExtension - Boulder County\19888\Design\Drawings\19888DES_TrailPlan03.dgn
10/25/2018 CDOT-DefaultPrinter_V8i.pltcfg CDOT V8i CLR-UTIL.tbl

Alps Boulder Canyon Inn
(Vanderhart Real Estate, LLC)

Existing Retaining Wall
(PROTECT IN PLACE)

POWER POLE TO BE RELOCATED AND LUMINAIRE INSTALLED BY OTHERS

Existing CDOT ROW

Existing 25' Waterline Easement

MATCH LINE STA. 121+00

MATCH LINE STA. 126+00

121+00

122+00

123+00

124+00

125+00

126+00

STA. 122+35.12
8.00' LT.

STA. 122+48.00
10.00' LT.

12 LF 6" PLASTIC PIPE - CONNECT TO EX. PIPE

9 LF 6" PLASTIC PIPE - CONNECT TO EX. PIPE

REMOVE AND REPLACE EXISTING CONCRETE. MATCH EXISTING GRADE.

STA. 124+90.50
0.00'
END REMOVAL OF CURB

BEGIN TAPER
STA. 125+33.79
18.55' LT

PROPOSED PERMANENT TRAIL EASEMENT

REMOVE EXISTING DRAINAGE PAN. INSTALL 18 LF TYPE II GUTTER

STA. 125+31.22
10.00' LT

Existing Edge of Pavement

STA. 124+50.72
10.00' LT
BEGIN REMOVAL OF CURB

I124L
C

GUARDRAIL TYPE 9 (STYLE CE) (SPECIAL). SEE DETAIL SHEET.

REMOVE 11 LF OF EXISTING 24" CSP

CONNECT INLET TO EXISTING CSP

I124R
VGS

24" CSP

CONCRETE TRAIL

SH 119 -->

Boulder Canyon Trail Extension
Project Control Line

Existing CDOT ROW

Boulder Creek

PROPOSED 10-YR FLOODPLAIN

PROPOSED 100-YR FLOODPLAIN

0' 20' 40' 80'

LEGEND

- CONCRETE TRAIL
- CRUSHER FINES TRAIL
- H.M.A. PATCHING - 2" H.M.A. FOR TYPE 3 GUARDRAIL
- H.M.A. PATCHING - FULL DEPTH PAVEMENT FOR WIDENING IN FRONT OF TYPE 9 BARRIER
- FULL DEPTH PAVEMENT ABOVE CUTS FOR UNDERPASS CONSTRUCTION
- INTERLOCKING PAVERS
- RIP RAP (SEE CALL OUTS ON PLAN SHEETS)

KEY MAP

1 2 3 4 5 6 7

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10/25/2018 CDOT-DefaultPrinter_V8i.pltcfg CDOT V8i CLR-UTIL.tbl

Print Date: 10/25/2018	Sheet Revisions		
Drawing File Name: 19888DES_TrailPlan04.dgn	Date:	Comments	Init.
Horiz. Scale: 1:40 Vert. Scale: As Noted			
Unit Information Unit Leader Initials			

MULLER ENGINEERING COMPANY

CDOT CO Region 4
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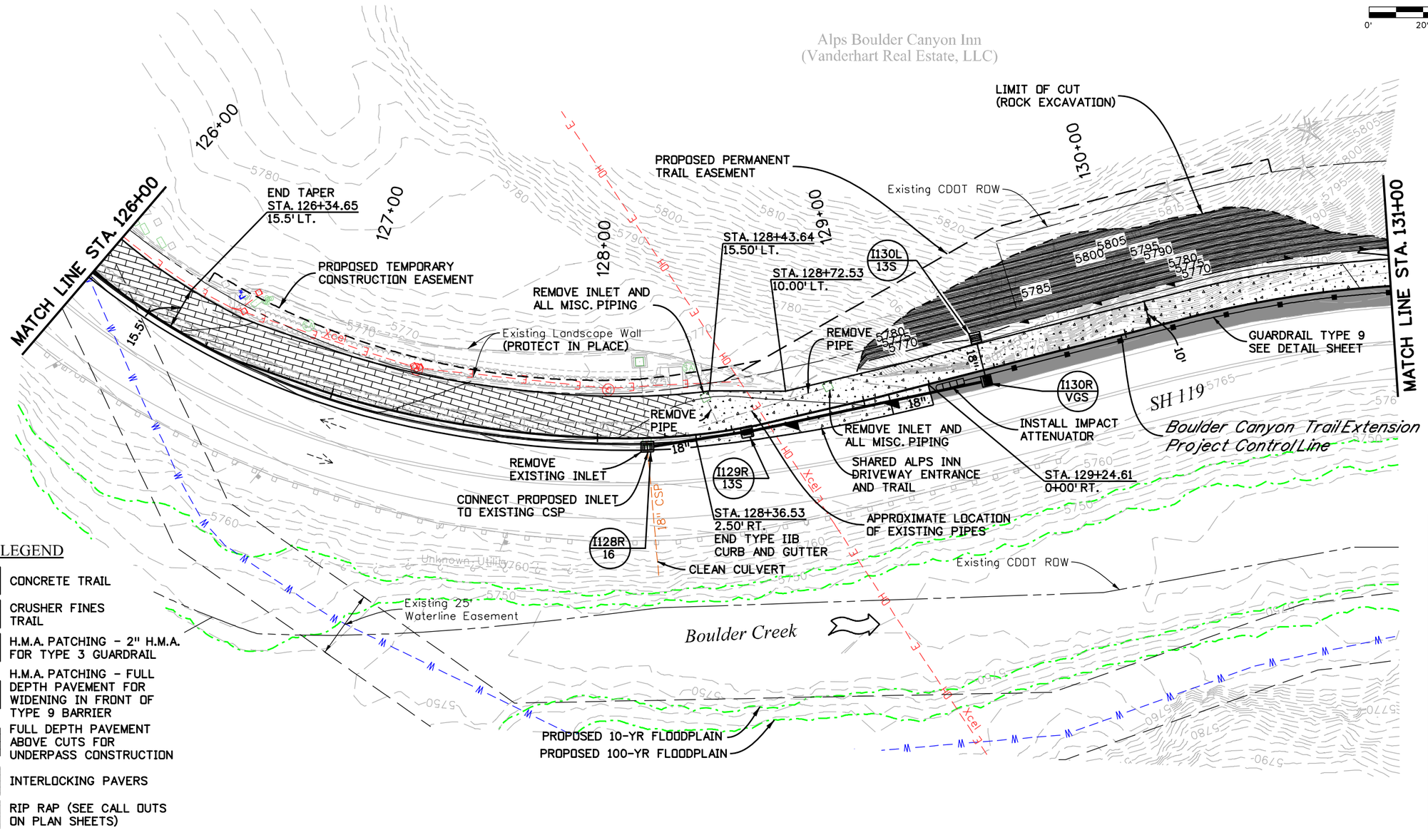
Boulder County

As Constructed
No Revisions:
Revised:
Void:

BOULDER CANYON TRAIL EXTENSION
TRAIL PLAN

Designer:	SDB	Structure Numbers	
Detailer:	ZDA		
Sheet Subset:	PLAN	Subset Sheets:	4 of 7

Project No./Code
STA 119A-069
20978
Sheet Number 42



LEGEND

- CONCRETE TRAIL
- CRUSHER FINES TRAIL
- H.M.A. PATCHING - 2" H.M.A. FOR TYPE 3 GUARDRAIL
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SBuckley 3:20:04 PM Q:\2015 Projects\15-025.01 Boulder Canyon Trail Extension - Boulder County\19888\Design\Drawings\19888DES_TrailPlan05.dgn
10/25/2018 CDOT-DefaultPrinter_V8i.pltcfg CDOT V8i CLR-UTIL.tbl

Print Date: 10/25/2018	Sheet Revisions		
Drawing File Name: 19888DES_TrailPlan05.dgn	Date:	Comments	Init.
Horiz. Scale: 1:40 Vert. Scale: As Noted			
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MULLER ENGINEERING COMPANY

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Boulder County

As Constructed	BOULDER CANYON TRAIL EXTENSION			Project No./Code
No Revisions:	TRAIL PLAN			STA 119A-069
Revised:	Designer: SDB	Structure Numbers		20978
Void:	Detailer: ZDA			Sheet Number 43
	Sheet Subset: PLAN	Subset Sheets: 5 of 7		

Vanderhart Real Estate, LLC

LIMIT OF CUT (TYP.)
PROPOSED PERMANENT TRAIL EASEMENT
DRAINAGE DITCH (TYP.)
Existing 76' PSCD Easement
LEVEL RESTING AREA
Existing CDOT ROW
STA. 132+81.22 6.00' RT ELEV. 5756.2
STA. 132+70.73 0.00' RT. ELEV. 5757.0
STA. 133+12.80 6.00' RT. ELEV. 5754.5
STA. 133+23.22 0.00' RT. ELEV. 5754.38
STA. 133+62.06 10.00' LT.
R=160'
I133L D
CONCRETE TRAIL
MATCH LINE STA. 131+00
GUARDRAIL TYPE 9 (STYLE CA) SEE DETAIL SHEET
RETAINING WALL 8
RETAINING WALL 9
Existing Stone Headwall PROTECT IN PLACE
STA. 131+74.15 6.08' RT. END TYPE 9 CE BARRIER BEGIN TYPE 9 CA BARRIER
REMOVE END ANCHORAGE AND EXISTING TYPE 3 GUARDRAIL
YA-BETASSO-1
M134L 6
I133R C
REMOVE 34 LF OF EX. 48" CSP STA. 134+29.04 16.00' LT.
SH 119
END ANCHORAGE (NON FLARED)
Existing Edge of Pavement
STA. 133+36.34 72.23' RT. N: 99694.85 E: 95771.41 BEGIN GUARDRAIL TYPE 3 (6-3 POST SPACING)
YA-BCT-4
TRANSITION TYPE 3G
PROPOSED 100-YR FLOODPLAIN
PROPOSED 10-YR FLOODPLAIN
Boulder Creek
GUARDRAIL TYPE 3 (6-3 POST SPACING)
STA. 134+83.18 32.37' LT. TIE TO EXISTING GUARDRAIL
Boulder County
Boulder Canyon Trail Extension Project Control Line
FLOW FILL CULVERT - ABANDON 55 LF OF EX. 48" CSP IN PLACE
Existing 25' Waterline Easement
16' x 10' TRAIL UNDERPASS "C.B.C. 2"
STA. 135+25.00 21.00' RT. BEGIN BURIED RIPRAP (24-INCH), 6" TOPSOIL, WITH 6" FILTER MATERIAL (CLASS A), THICKNESS= 48"
STA. 135+51.33 0.50' RT. BEGIN BIKEWAY RAILING
BIKEWAY RAILING (SEE RAILING DETAILS)
RETAINING WALL 10
YA-BCT-5
STA. 136+00.00 21.00' RT. END BURIED RIPRAP (24-INCH), 6" TOPSOIL, WITH 6" FILTER MATERIAL (CLASS A), THICKNESS= 48"
MATCH LINE STA. 136+00

0' 20' 40' 80'

LEGEND

- CONCRETE TRAIL
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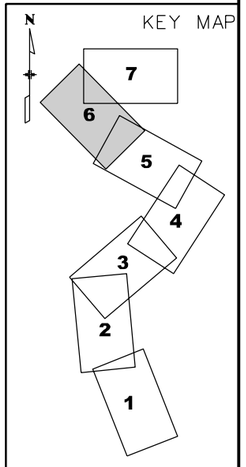
- INTERLOCKING PAVERS
- RIP RAP (SEE CALL OUTS ON PLAN SHEETS)

KEY MAP



Print Date: 10/25/2018	Sheet Revisions		
Drawing File Name: 19888DES_TrailPlan06.dgn	Date:	Comments	Init.
Horiz. Scale: 1:40 Vert. Scale: As Noted			
Unit Information Unit Leader Initials			

MULLER ENGINEERING COMPANY

CDOT Region 4
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FAX: 303-444-0751
RDM

Boulder County

As Constructed
No Revisions:
Revised:
Void:

BOULDER CANYON TRAIL EXTENSION
TRAIL PLAN

Designer:	SDB	Structure Numbers	
Detailer:	ZDA		
Sheet Subset:	PLAN	Subset Sheets:	6 of 7

Project No./Code
STA 119A-069
20978
Sheet Number 44

SBuckley 3:20:07 PM Q:\2015 Projects\15-025.01 Boulder Canyon Trail Extension - Boulder County\19888\Design\Drawings\19888DES_TrailPlan06.dgn
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Existing 76' PSCO Easement

Boulder Canyon Trail Extension Project Control Line

INSTALL BOLLARD (SEE DETAIL SHEET) STA 139+00, 5' LT.

139+53

139+00

Existing Trail

XCEL UNDERGROUND ELECTRIC TO BE LOWERED UNDER THIS CUT SLOPE (BY OTHERS)

I138L C

PH-11

LIMIT OF CUT (TYP.)

DRAINAGE DITCH

R = 50'

END PROJECT STA. 139+52.71 N: 100058.67 E: 96099.73

138+00

M138L 4

WOOD FENCE

CONNECT TO EXISTING 24" CSP

REMOVE 29 LF OF EXISTING 24" CSP

SH 119

PH-12

R = 25'

Existing Edge of Pavement

137+00

DRAINAGE DITCH

END ANCHORAGE (FLARED)

STA. 136+33.07 55.20' LT. N: 99977.46 E: 95778.74 END GUARDRAIL TYPE 3 (6-3 POST SPACING)

M136L 8

F138R FES

Existing Bridge

PROPOSED PERMANENT MAINTENANCE EASEMENT

CRUSHER FINES TRAIL

LIMIT OF FILL (TYP.)

GUARDRAIL TYPE 3 (6-3 POST SPACING)

STA. 136+85.00 0.05' RT. END BIKEWAY RAILING

PROPOSED 10-YR FLOODPLAIN

BIKEWAY RAILING (SEE RAILING DETAILS)

PROPOSED 100-YR FLOODPLAIN

CONCRETE TRAIL

F136R FES

MATCH LINE STA. 136+00

PROPOSED PERMANENT MAINTENANCE EASEMENT

Part of Travis Family Living Trust

Existing CDOT ROW

LEGEND

- CONCRETE TRAIL
- CRUSHER FINES TRAIL
- H.M.A. PATCHING - 2" H.M.A. FOR TYPE 3 GUARDRAIL
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- FULL DEPTH PAVEMENT ABOVE CUTS FOR UNDERPASS CONSTRUCTION
- INTERLOCKING PAVERS
- RIP RAP (SEE CALL OUTS ON PLAN SHEETS)

KEY MAP

1 2 3 4 5 6 7

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MULLER ENGINEERING COMPANY

CDOT Region 4

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Boulder, CO 80302
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RDM

Boulder County

As Constructed
No Revisions:
Revised:
Void:

BOULDER CANYON TRAIL EXTENSION
TRAIL PLAN

Designer: SDB
Detailer: ZDA
Sheet Subset: PLAN
Structure Numbers
Subset Sheets: 7 of 7

Project No./Code
STA 119A-069
20978
Sheet Number 45

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