Install 64 ft of 21 x 15 inch arch metal culvert including 2 FES. See culvert sheets for details.

Begin gravel 18 ft wide entrance STA: 0+24.00 ELEV=4875.29

End gravel entrance STA: 0+67.00 ELEV=4876.22

PC entrance radius STA: 0+22.29/47.52' R
N=327,462.10 E=156,749.86 ELEV=4874.97

PT entrance radius STA: 0+67.00/9.00' R
N=327,502.00 E=156,793.35 ELEV=4876.33

PT entrance radius STA: 0+66.03/9.00' L
N=327,519.96 E=156,791.82 ELEV=4876.10

PT entrance radius STA: 0+26.06/50.58' L
N=327,560.27 E=156,750.57 ELEV=4875.60

End gravel entrance STA: 1+14.80 ELEV=4875.43

Install 80 ft of 21 x 15 inch arch metal culvert including 2 FES. See culvert sheets for details.

Existing cattle guard to remain.

PROPOSED GROUND

EXISTING GROUND

1.22'

98.17' throat width

18.00'

42.98'

4876.0

18 FT WIDE ENTRANCE

STA: 0+24.00

ELEV=4875.29

180 FT WIDE ENTRANCE

STA: 0+67.00

ELEV=4876.22

PC ENTRANCE RADIUS

STA: 0+22.29/47.52' R
N=327,462.10 E=156,749.86 ELEV=4874.97

PT ENTRANCE RADIUS

STA: 0+67.00/9.00' R
N=327,502.00 E=156,793.35 ELEV=4876.33

PT ENTRANCE RADIUS

STA: 0+66.03/9.00' L
N=327,519.96 E=156,791.82 ELEV=4876.10

PT ENTRANCE RADIUS

STA: 0+26.06/50.58' L
N=327,560.27 E=156,750.57 ELEV=4875.60

BEGIN GRAVEL

EXISTING CATTLE

GUARD TO REMAIN

121.55' throat width

4876.0
INSTALL 23" x 14" HERCP
50.00'
N 00°10'11.30"E

PROPOSED 23"
STA. 2+22.10
N 330,139.44
E 156,683.21

PROPOSED 23"
STA. 2+72.10
N 330,189.44
E 156,683.06

INSTALL TYPE M RIPRAP
OVER GEOFABRIC 8 FT LONG AND 2 FT DEEP

HORIZ: 1" = 50'
VERT: 1" = 5'

EXISTING GROUND
PROPOSED GROUND

INSTALL 17" x 13" ARCH CMP
40.00'
N 87°56'00.64"E

PROPOSED 17"
STA. 1+04.19
N 328,854.19
E 156,014.11

PROPOSED 17"
STA. 1+44.19
N 328,855.63
E 156,054.09

INSTALL TYPE M RIPRAP
OVER GEOFABRIC 8 FT LONG AND 2 FT DEEP

HORIZ: 1" = 50'
VERT: 1" = 5'

EXISTING GROUND
PROPOSED GROUND

TYPE M RIPRAP 8 FEET LONG AND 2 FEET DEEP
INSTALL 8" ARCH CMP 75.00' N 00°32'28.37" W

PROPOSED 8" ARCH CMP STA. 1+72.18 N 328,065.12 E 156,704.25

PROPOSED 8" CMP STA. 2+42.18 N 328,135.11 E 156,703.59

VERT: 1" = 5'

EXISTING GROUND

PROPOSED GROUND

70.00 LF OF 8" CMP

0.0021 FT/FT

STA. 1+72.18
NULL STRUCTURE INV. IN = 4880.00

STA. 2+42.18
NULL STRUCTURE INV. OUT = 4879.85

EX = 4881.04
PROP = 4879.78

EX = 4883.5
PROP = 4882.27

EX = 4884.36
PROP = 4879.85

ENTRANCE CULVERT STA 119+17 LEFT

M:\PROJECTS_DESIGN\WCR_13_AND_WCR34\PLAN SHEETS

MDL

1/31/18

12/28/18

M. LAPORTE

2017

Sheet Subset: AS NOTED

WCR 13 AND WCR 34 INTER.

CULV-ENT-SH5

PUBLIC WORKS DEPARTMENT
P.O. BOX 758
GREELEY, CO. 80632-0758
PHONE: (970) 356-4000
FAX: (970) 304-6497

Designer: M. LAPORTE

Detailer: M. LAPORTE

No Revisions:

SHP-31

Revised:

Sheet Number 85A of 125

Computer File Information

Index of Revisions

Creation Date: 10/24/18

Initials: -

Full Path: -

Last Modified Date: -

Initials: -

Drawing File Name: ENTRANCE_PIPES, WCR13 AND WCR 34.DWG

AutoCAD Version: 2017

Scale: AS NOTED

English

Comments:

Index of Revisions

Date: 10/24/18

Comments: SOUTH EAST ROW ADJ.

Initials: MDL

Sheet Subset: -

WELD COUNTY

As Constructed

Project No./Code

Sheet Subset:
STA: 32+46.30
INSTALL W3-1
SPEED LIMIT 45 MPH

STA: 35+83.52
INSTALL R1-1 STOP SIGN
INSTALL W4-4P CROSS TRAFFIC DOES NOT STOP

STA: 33+46.30
INSTALL R2-1
SPEED LIMIT 45 MPH

STA: 28+02.65
INSTALL W3-1
SPEED LIMIT 45 MPH

STA: 123+53.83
INSTALL R2-1
SPEED LIMIT 55 MPH

MATCHLINE STA: 36+00.00

STOP AHEAD

SOUTH EAST ROW ADJ.

WELD COUNTY
PUBLIC WORKS DEPARTMENT
P.O. BOX 783
GREELEY, CO. 80632-0783
PHONE: (970) 356-4000
FAX: (970) 304-6697
**WCR 13 and WCR 34 intersection closed for intersection improvements**

**Notice to Public**

Road signs and barricades during closure.

Message boards to be used.

**Detour Route**

WCR 38 between WCR 13 and WCR 17: truck route.

WCR 58 between WCR 32 and WCR 13: truck route.

WCR 34 between WCR 13 and WCR 32: truck route.

WCR 35 between WCR 32 and I-25 Frontage.

I-25 Frontage between WCR 32 and WCR 34.

HWY 66 between WCR 32 and WCR 13.

**Notes**

Intersection of WCR 13 and WCR 34 to be completely closed during reconstruction.

Local access to all residential and businesses will remain open.

**Date**

11/7/2018

**Placement of signs not to scale**

**Prepared by**

LEE STEPHEN

**Approved by county engineer**

**WELD COUNTY**

PUBLIC WORKS DEPARTMENT

P.O. BOX 728

GREELEY, CO. 80632-0758

PHONE: (970) 356-4000

FAX: (970) 304-6497

**Project No./Code**

SHP-31

**As Constructed**

WCR 13 AND WCR 34 INTER.

TRAFFIC CONTROL SHEET

**No Revisions**

**Revised by**

**Detailer**

M. LAPORTE

**Visa**

Sheet Subset: Sheet Subset:

**Sheet Number 95A of 125**
LEGEND -
EXISTING GROUND
PROPOSED GROUND
ASPHALT AND AGGREGATE LIFTS
ASPHALT AND AGGREGATE MATERIAL
OFF = OFFSET
EL = ELEVATION
EG = EXISTING GROUND ELEVATION
FG = PROPOSED (FUTURE) GROUND ELEVATION
LTWD = LITTLE THOMPSON WATER DISTRICT
CWCWD = CENTRAL WELD COUNTY WATER DISTRICT

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