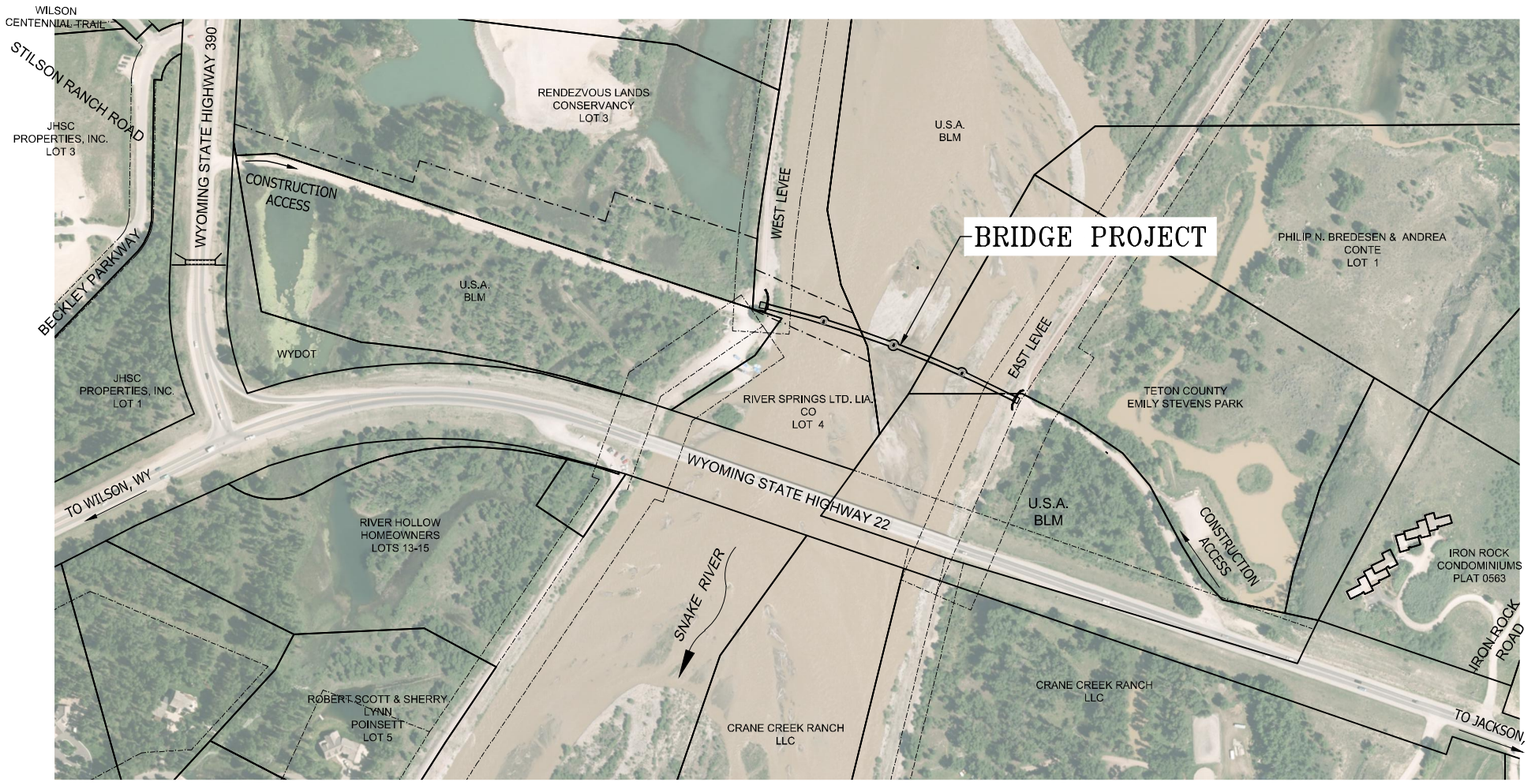
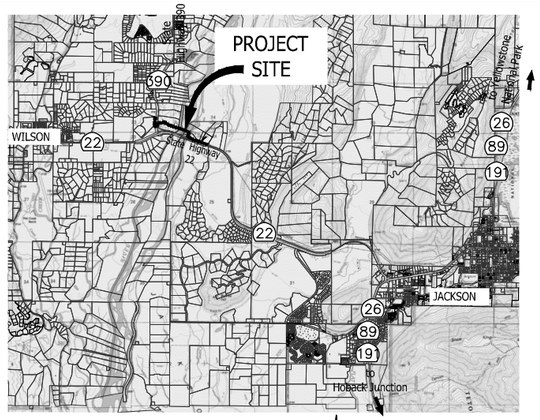
Civil Plans
for the
BRIDGE PROJECT
PATH 22 WEST
Teton County, Wyoming





VICINITY MAP
SCALE: N.T.S.

DRAWING INDEX

C1	TITLE SHEET
C2	OVERVIEW SITE PLAN
C3	WEST STAGING PLAN
C4	EAST STAGING PLAN
C5	WEST ABUTMENT GRADING PLAN & DETAILS
C6	WEST ABUTMENT GABION WALL PLAN & ELEVATION
C7	EAST ABUTMENT GRADING PLAN & DETAILS
C8	EAST ABUTMENT GABION WALL PLAN & ELEVATION
C9	GABION DETAILS
C10	RAILING LAYOUT & DETAILS
C11	PIERS NO. 1, 2, & 3 GRADING PLANS

WYDOT STANDARD PLANS:

215-1	TEMPORARY EROSION CONTROL MEASURES FOR STORMWATER POLLUTION
511-1A	WIRE ENCLOSED RIPRAP AND GABIONS
703-1D	CONSTRUCTION TRAFFIC CONTROL DEVICES

LEGEND

- PROPERTY LINE
- EASEMENT LINE
- PRESSURE SEWER
- SANITARY SEWER
- SANITARY SEWER SERVICE
- OVERHEAD POWER
- BURIED POWER
- CABLE TV
- BURIED TELEPHONE
- BURIED FIBER OPTIC
- WATER LINE
- EDGE OF WATER (APPROX.)
- GRAVEL ROAD
- CONSTRUCTION FENCE

DATUM: NGVD 1929

- SEWER MANHOLE
- SEWER CLEANOUT
- CULVERT
- POWER POLE
- CABLE TV POLE
- TELEPHONE PEDESTAL
- POWER TRANSFORMER
- GUY WIRE
- WETLAND
- CONTROL POINT
- ACOE= ARMY CORPS OF ENGINEERS

NELSON ENGINEERING

Scale: 1" = 400' 11x17

400 0 400 800

ESTIMATED QUANTITIES - CIVIL

ITEM NO.	ITEM	UNIT	TOTAL QUANTITY
109.04000	FORCE ACCOUNT WORK	$$	$50,000
109.08000	MOBILIZATION	LS	LUMP SUM
201.03200	CLEARING AND GRUBBING	LS	LUMP SUM
203.02110	BORROW SPECIAL EXCAVATION	TON	2200
203.02500	UNCLASSIFIED EXCAVATION	CY	200
212.02100	DRY EXCAVATION	CY	70
215.01000	CONTRACTOR STORM WATER CONTROL	LS	LUMP SUM
215.03300	SILT FENCE	FT	300
301.01080	CRUSHED BASE	TON	550
503.01400	PEDESTRIAN RAILING	FT	119
511.01000	GABIONS	CY	109
703.03100	TEMPORARY TRAFFIC CONTROL	LS	LUMP SUM

Professional Engineer (Civil) DAVID A. DUFAULT 8525 WYOMING
Date 1/9/2013

Prepared by
Nelson Engineering
Jackson, Wyoming

SET No. _____

PATH 22 — JACKSON HOLE COMMUNITY PATHWAYS

NELSON ENGINEERING
P.O. BOX 1599, JACKSON WYOMING
(307) 733-2087

TETON COUNTY WYOMING

TOWN OF JACKSON WYOMING

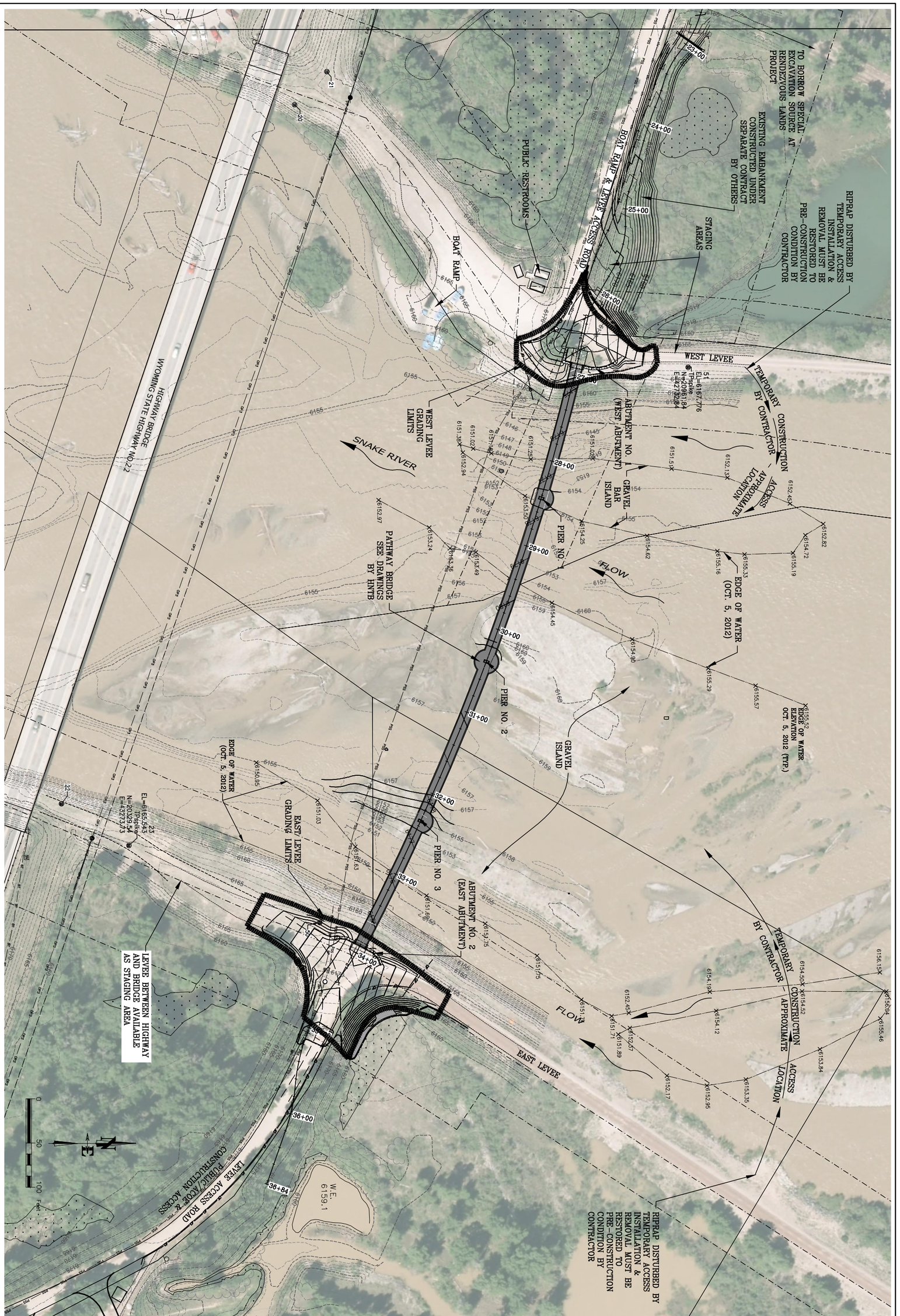
DRAWING TITLE: COVER SHEET

REVISIONS

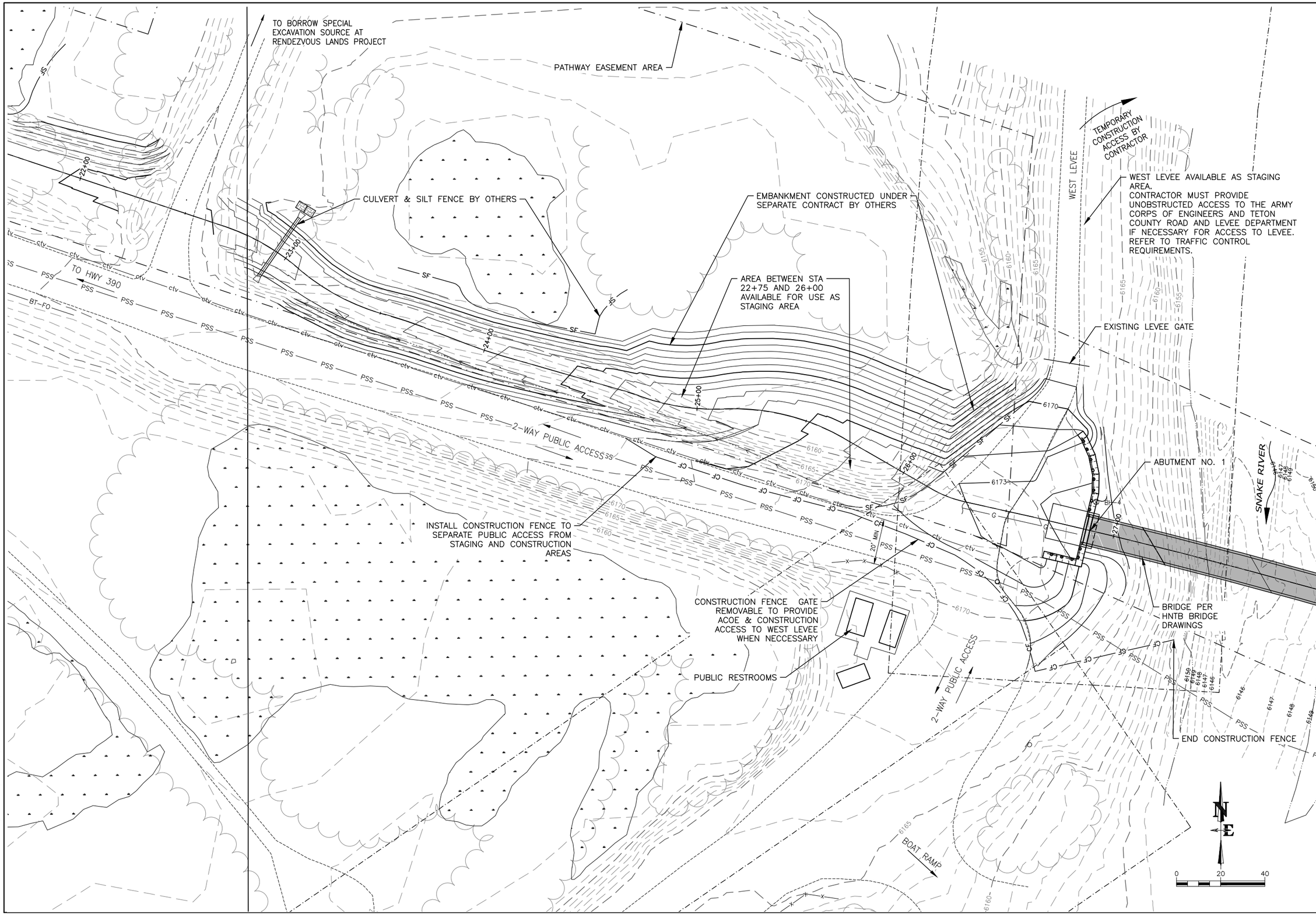
DRAWING NO: C1
JOB NO: 10-124-02
DATE: 1/09/13

S:\Proj\2010\124-02 Path 22 West\- Design Phase\Drawings\LAYOUT\Bridge Layouts\Title.dwg <22x34 or 11x17> - Jan 16 2013 10:55:55 am PLOTTED BY karchner

S:\Proj2010\124-02 (Path 22 (West)- Design Phase\Drawings\LAYOUT\Bridge Layouts\sht 2 Overview.dwg (OVERVIEW) - Jan 16 2013 11:55:08 am PLOTTED BY: karichner



DRAWING NO C2 JOB NO 10-124-02 DATE 1/09/13	REVISIONS	DRAWING TITLE OVERVIEW SITE PLAN			NELSON ENGINEERING P.O. BOX 1599, JACKSON WYOMING (307) 733-2087	



PATH 22

NELSON ENGINEERING
P.O. BOX 1599, JACKSON WYOMING
(307) 733-2087

TETON COUNTY

DRAWING TITLE
WEST STAGING PLAN

REVISIONS

DRAWING NO C3
JOB NO 10-124-02
DATE 1/09/13

SNAKE RIVER

PIER NO. 3

PATHWAY BRIDGE PER HNTB BRIDGE DRAWINGS

ABUTMENT NO. 2

33+00

35+00

36+00

36+84

EAST LEVEE

TO TEMPORARY CONSTRUCTION ACCESS TO RIVER BY CONTRACTOR

END CONSTRUCTION FENCE

CONSTRUCTION FENCE GATE TO PROVIDE ACOE & CONSTRUCTION ACCESS WHEN NECESSARY

AFTER CONSTRUCTION OF EMBANKMENT, PROVIDE CONSTRUCTION FENCE AS SHOWN TO PROVIDE 10' MINIMUM WIDTH OF PUBLIC PEDESTRIAN ACCESS TO EAST LEVEE NORTH OF CONSTRUCTION ACTIVITY. REFER TO TRAFFIC CONTROL REQUIREMENTS.

POND
W.E.
6159.1

ALIGNMENT OF FUTURE PATHWAY

20' MIN. REQUIRED

PROVIDE 10' MIN. PUBLIC PEDESTRIAN ACCESS SEE TRAFFIC CONTROL SPECIFICATION

2-WAY CONSTRUCTION & ACOE VEHICULAR ACCESS

END CONSTRUCTION FENCE

SNAKE RIVER

STAGING AREA

LEVEE BETWEEN HIGHWAY AND BRIDGE AVAILABLE AS STAGING AREA.
CONTRACTOR MUST PROVIDE UNOBSTRUCTED ACCESS TO THE ARMY CORPS OF ENGINEERS AND TETON COUNTY ROAD AND LEVEE DEPARTMENT IF NECESSARY FOR ACCESS TO LEVEE. REFER TO TRAFFIC CONTROL REQUIREMENTS.

0 20 40

JACKSON HOLE COMMUNITY PATHWAYS
PATH 22

NELSON ENGINEERING
P.O. BOX 1569, JACKSON WYOMING
(307) 733-2087

TETON COUNTY

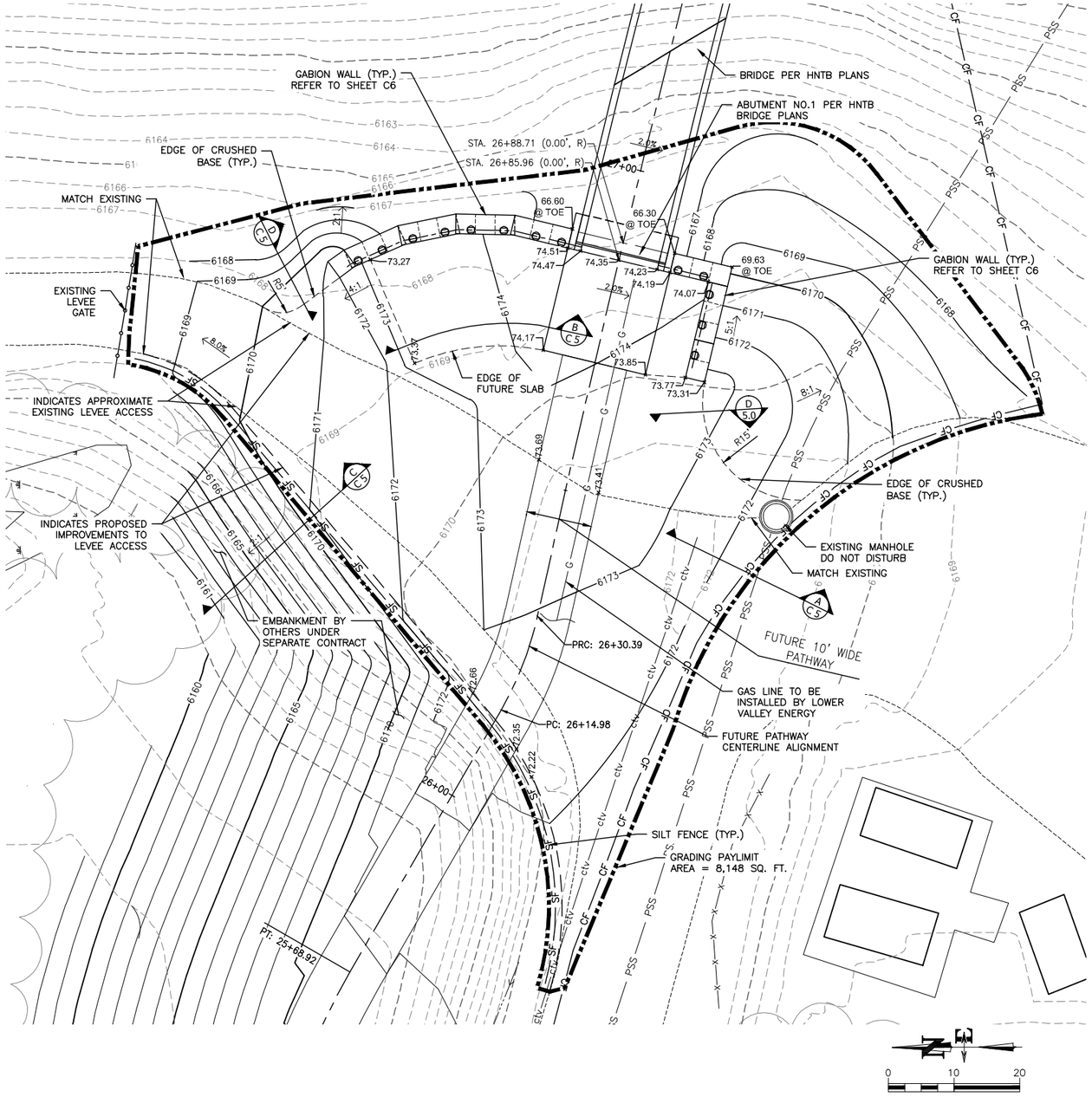
TOWN OF JACKSON WYOMING

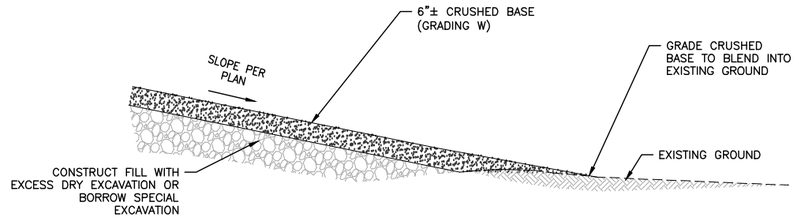
DRAWING TITLE
EAST STAGING PLAN

REVISIONS

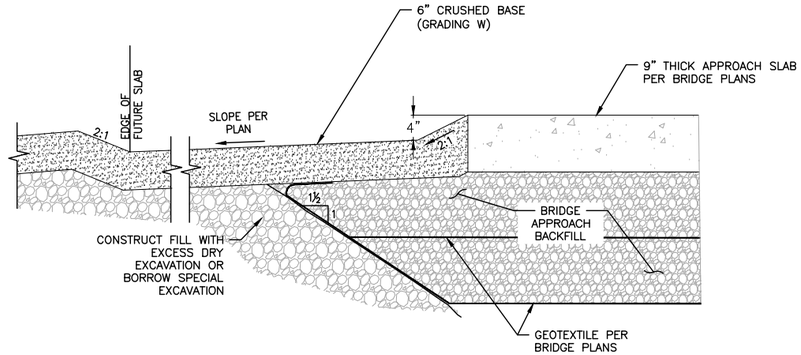
DRAWING NO C4
JOB NO 10-124-02
DATE 1/09/13

S:\Proj\2010\124-02 (Path 22 (West)- Design Phase\Drawings\LAYOUT\Bridge Layouts\Unit 3 Staging and Access.dwg (EAST STAGING PLAN - Jan 14 2013 04:06:58 pm PLOTTED BY karchmer

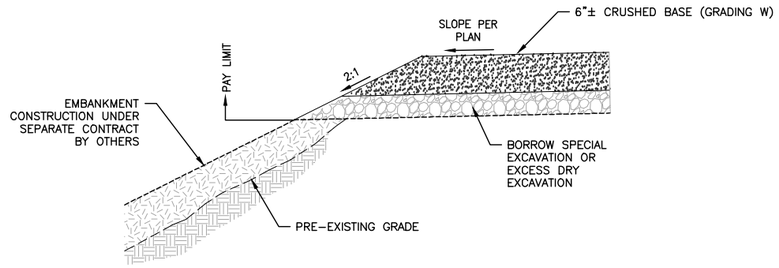




A / C5 SECTION
Scale: N.T.S.



B / C5 SECTION
Scale: N.T.S.



C / C5 SECTION
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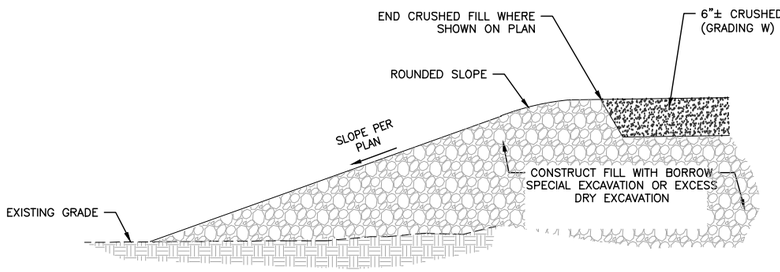


D / C5 SECTION
Scale: N.T.S.

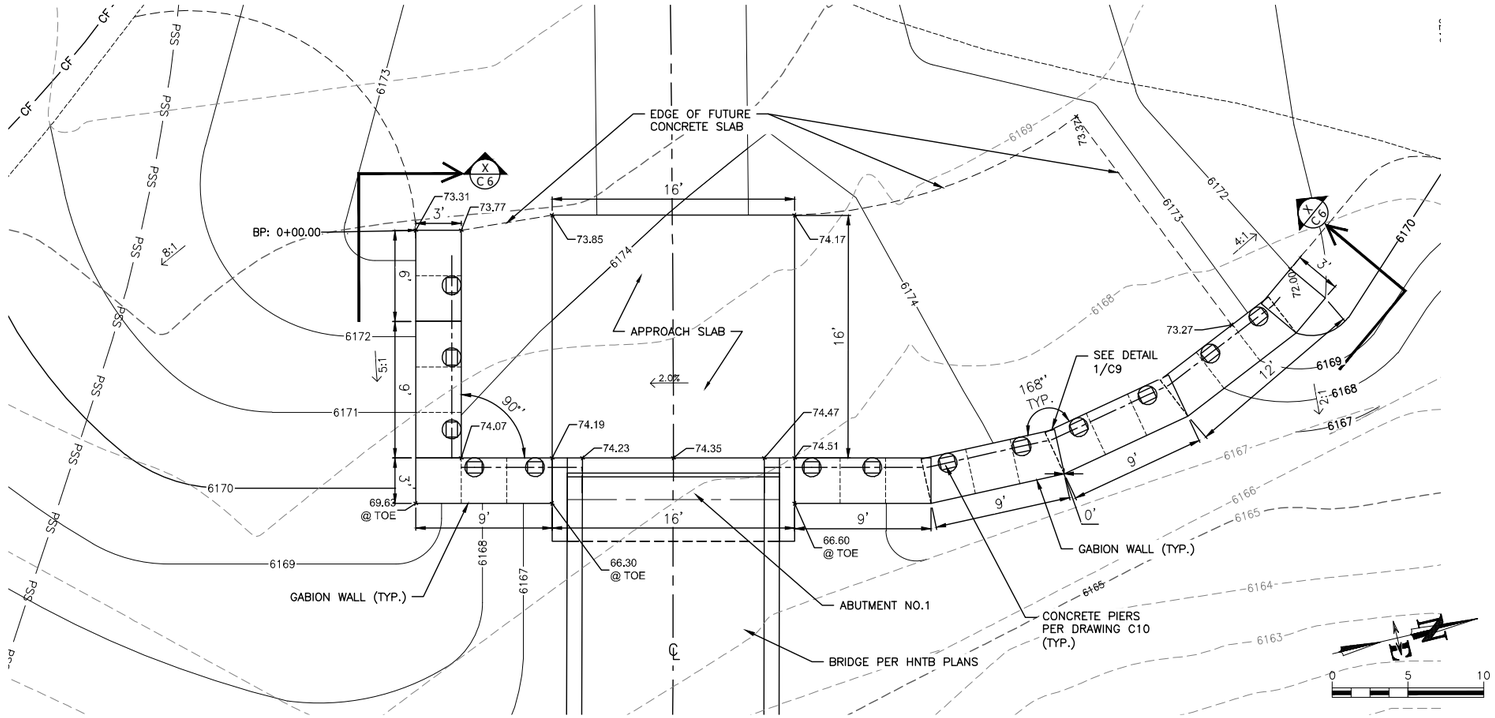
NELSON ENGINEERING
P.O. BOX 1599, JACKSON WYOMING
(307) 733-2087

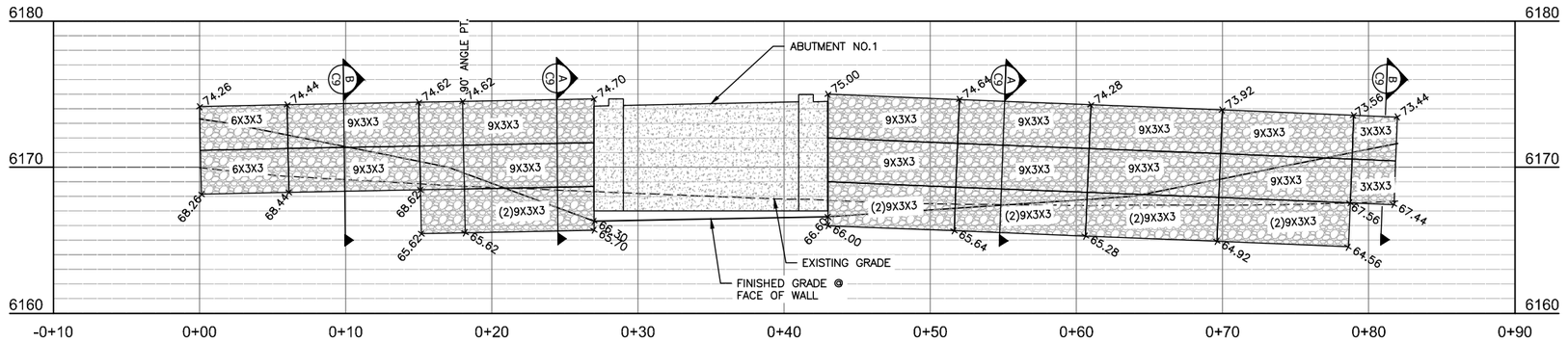
DRAWING TITLE
WEST ABUTMENT
GRADING PLAN & DETAILS

REVISIONS

DRAWING NO C5
JOB NO 10-124-02
DATE 1/09/13

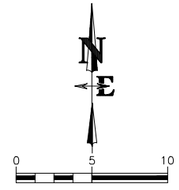
S:\Proj2010\124-02 (Path 22 (West- Design Phase\Drawings\LAYOUT\Bridge Layouts\6A West Bridge Abutmentdwg (C5) - Jan 14 2013 04:08:08 pm PLOTTED BY karichner





ELEVATION VIEW

Scale: 1" = 10' (11x17)
1" = 5' (22x34)



JACKSON HOLE COMMUNITY PATHWAYS
PATH 22

NELSON ENGINEERING
P.O. BOX 1599, JACKSON WYOMING
(307) 733-2087

TETON COUNTY

BOARD OF COUNTY COMMISSIONERS WYOMING

DRAWING TITLE
WEST ABUTMENT GABION WALL
PLAN & ELEVATION VIEW

REVISIONS

DRAWING NO	JOB NO	DATE
C6	10-124-02	1/09/13

S:\Proj2010\124-02 (Path 22 (West)- Design Phase\Drawings\LAYOUT\Bridge Layouts\C6 West Bridge Abutment.dwg (C2) - Jan 16, 2013 11:27:57 am PLOTTED BY: kwichner

MATCH EXISTING

GABION WALL (TYP.) REFER TO SHEET C8 FOR DETAILS

SNAKE RIVER

EDGE OF RIVER OCT. 5, 2012

PATHWAY BRIDGE

ABUTMENT NO. 2

STA. 33+88.71 (0.00', R)
STA. 33+91.46 (0.00', R)
PCC: 33+97.94
66.60 AT TOE

GABION WALL (TYP.) REFER TO SHEET C8 FOR DETAILS

INDICATES WB-67 DESIGN VEHICLE (TYP.) SPACE REQUIREMENTS

GAS LINE TO BE INSTALLED BY LOWER VALLEY ENERGY

FUTURE 10' WIDE PATHWAY

PRC: 34+30.34

GRADING PAYLIMITS

LVE GAS

FUTURE PATHWAY CENTERLINE ALIGNMENT

EDGE OF PAVEMENT

MATCH EXISTING

FROM HWY 22

MATCH EXISTING

INDICATES WB-67 DESIGN VEHICLE (TYP.) SPACE REQUIREMENTS

GRADING PAYLIMITS

SILT FENCE (TYP.)

CLEARING & GRUBBING REQUIRED

PATTERNED AREA REPRESENTS WETLAND FILL
AREA = 495.80± SQ.FT
VOLUME = 29.30± CYD.

6"± CRUSHED BASE (GRADING W)

CONSTRUCT FILL WITH UNCLASSIFIED EXCAVATION, EXLESS ONLY EXCAVATION OR BORROW SPECIAL EXCAVATION.

EXISTING GROUND

CLEAR AND GRUB & STRIP SOILS AND ORGANICS FOR PLACEMENT OF FILL ON EXISTING SLOPE

A / C7 SECTION
Scale: N.T.S.

0 10 20

JACKSON HOLE COMMUNITY PATHWAYS — PATH 22

NELSON ENGINEERING
P.O. BOX 1599, JACKSON WYOMING
(307) 733-2087

TETON COUNTY

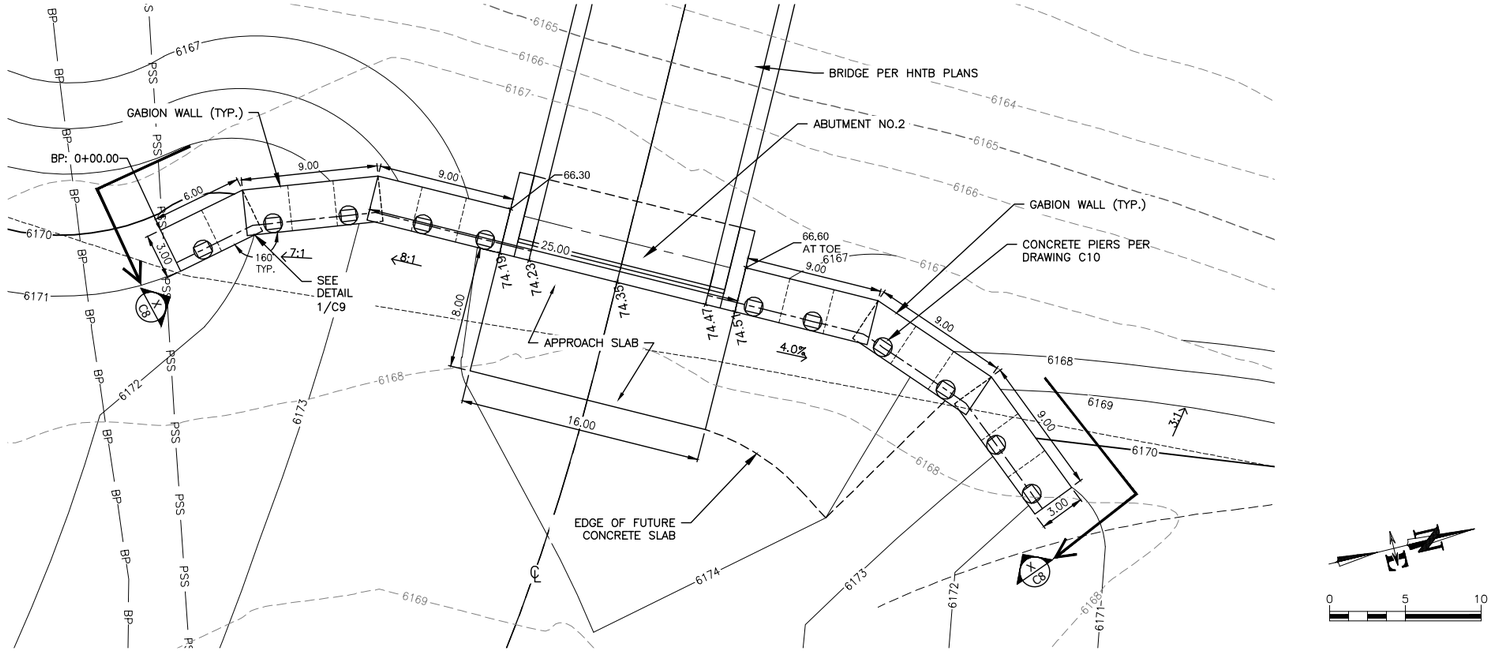
TOWN OF JACKSON WYOMING

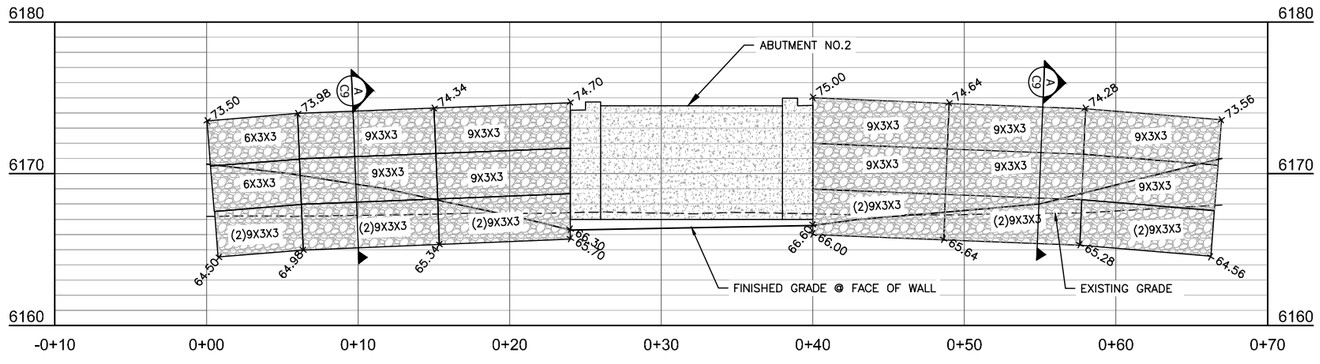
DRAWING TITLE
EAST ABUTMENT
GRADING PLAN & DETAILS

REVISIONS

DRAWING NO C7
JOB NO 10-124-02
DATE 1/09/13

S:\Proj\2010\124-02 (Path 22 (West)- Design Phase\Drawings\LAYOUT\Bridge Layouts\10 East Bridge Abutment.dwg (C7) - Jan 16 2013 11:32:03 am PLOTTED BY: kwickner





X / C8 ELEVATION VIEW

Scale: 1" = 10' (11x17)
1" = 5' (22x34)

NELSON ENGINEERING
P.O. BOX 1599, JACKSON WYOMING
(307) 733-2087

DRAWING TITLE
EAST ABUTMENT GABION WALL
PLAN & ELEVATION

REVISIONS

DRAWING NO C8
JOB NO 10-124-02
DATE 1/09/13

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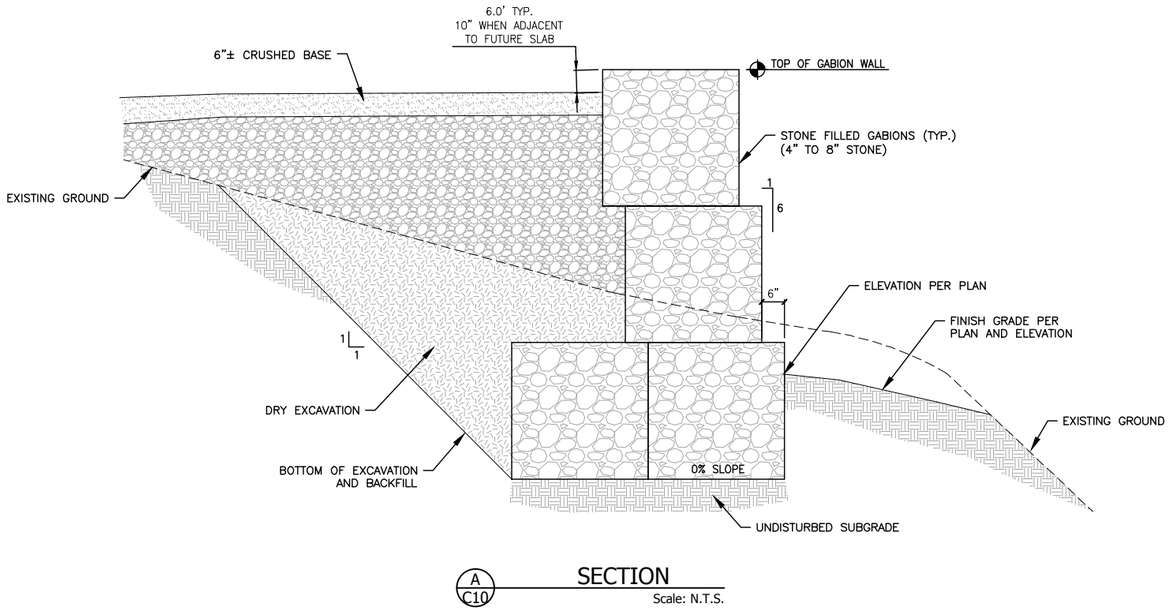
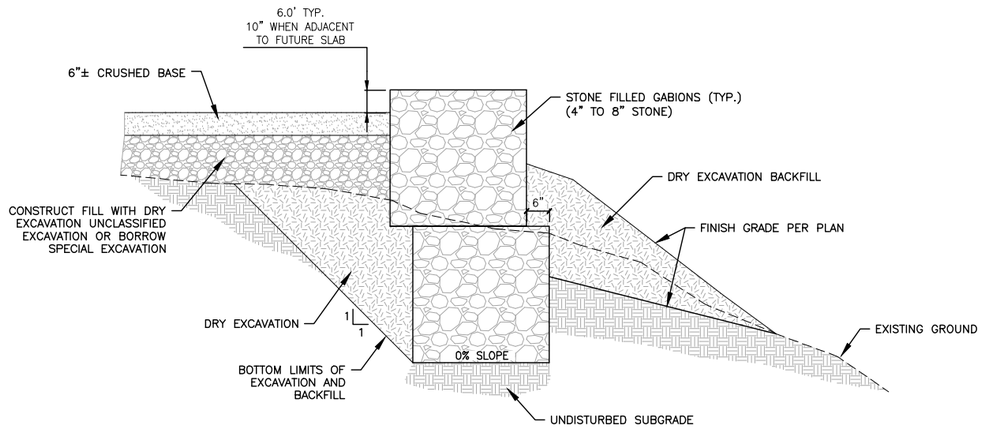


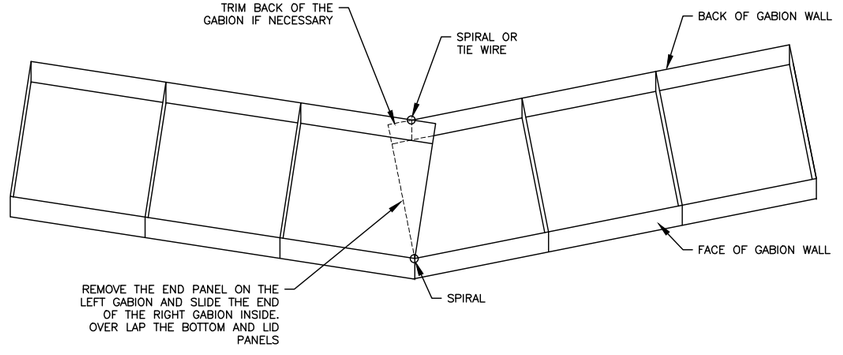
A C10 SECTION
Scale: N.T.S.

GABION NOTES:

1. REFER TO WYDOT STANDARD PLAN "WIRE ENCLOSED RIPRAP AND GABIONS" FOR ADDITIONAL REQUIREMENTS.
2. REFER TO DRAWING C10 FOR RAILING PIER LAYOUT AND ADDITIONAL REQUIREMENTS ASSOCIATED WITH GABIONS.
3. WHERE CONCRETE PIERS FOR RAILING IS TO BE INSTALLED REVISE HORIZONTAL STIFFENER SPACING TO ACCOMMODATE PIER FORM INSTALLATION.



B C10 SECTION
Scale: N.T.S.



1 C10 DETAIL
Scale: N.T.S.

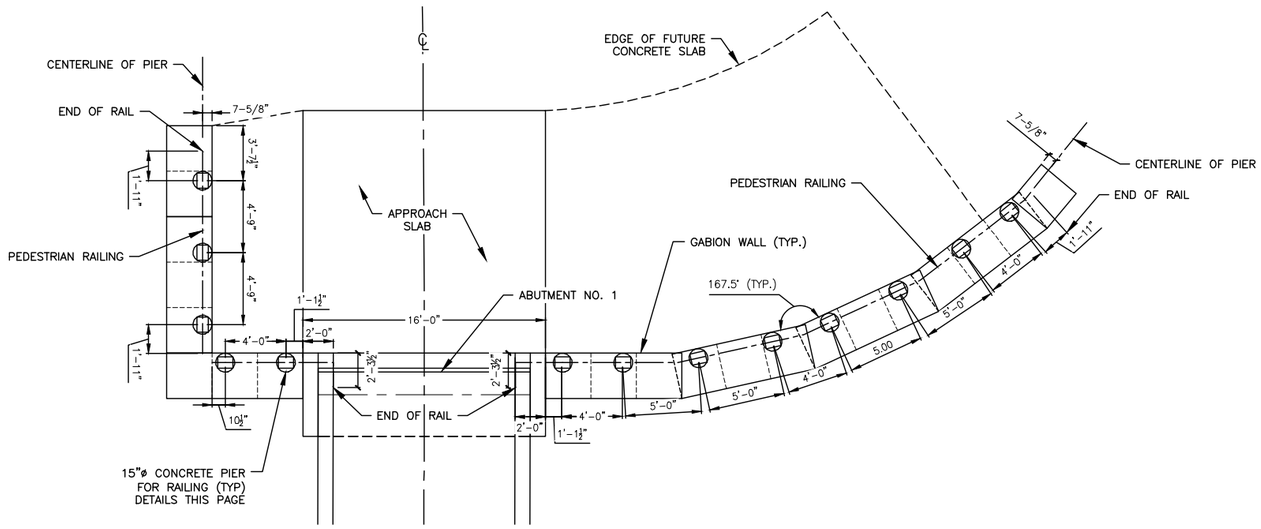
NELSON ENGINEERING
P.O. BOX 1599, JACKSON WYOMING
(307) 733-2087

DRAWING TITLE: GABION DETAILS

REVISIONS

DRAWING NO: C9
JOB NO: 10-124-02
DATE: 1/09/13

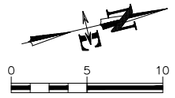
S:\Proj2010\124-02 (Path 22 (West)- Design Phase\Drawings\LAYOUT\Bridge Layouts\10 East Bridge Abutments.dwg (C9) - Jan 16, 2013 12:08:08 pm PLOTTED BY: kerichner

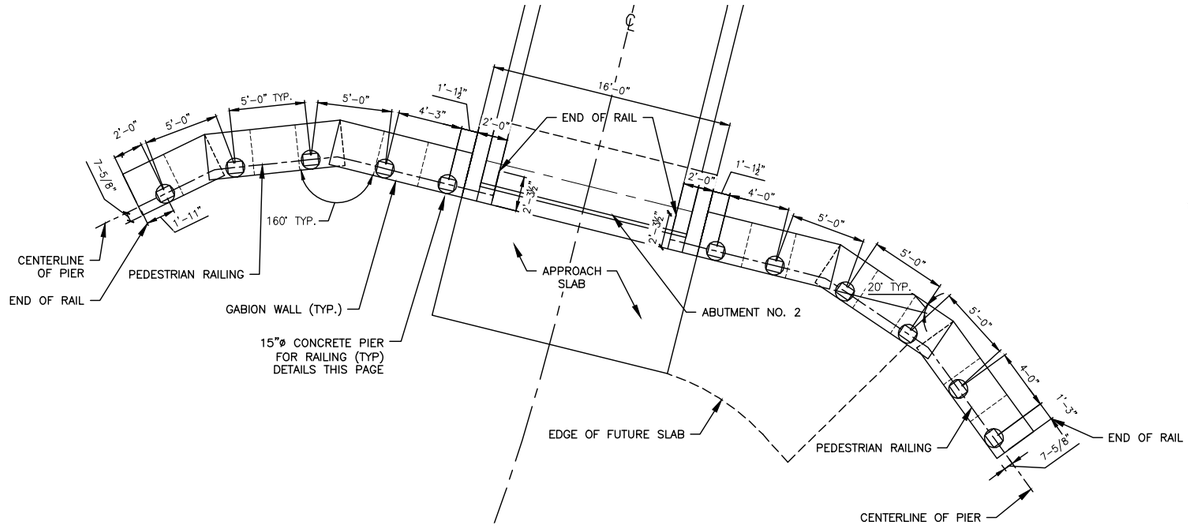


1 C10 WEST ABUTMENT RAILING LAYOUT

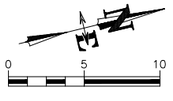
RAILING NOTES:

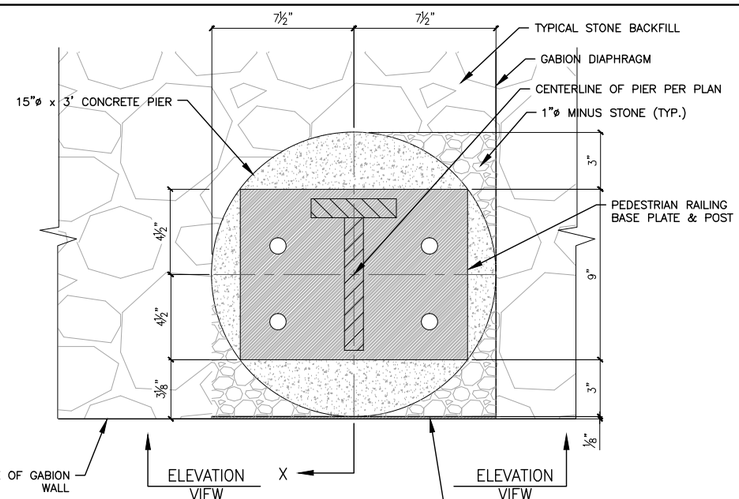
1. PEDESTRIAN RAILING AT GAION WALLS SHALL BE "OVERLOOK PANEL AND POST" PER DRAWING 41 OF PEDESTRIAN – BICYCLE BRIDGE OVER SNAKE RIVER PLANS BY HNTB.
2. RAILING POSTS LOCATIONS SHALL BE AS DIMENSIONED HEREON.

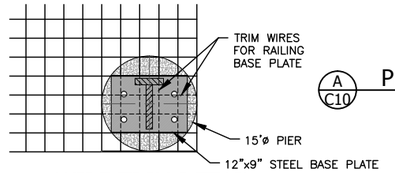




2 C10 EAST ABUTMENT RAILING LAYOUT

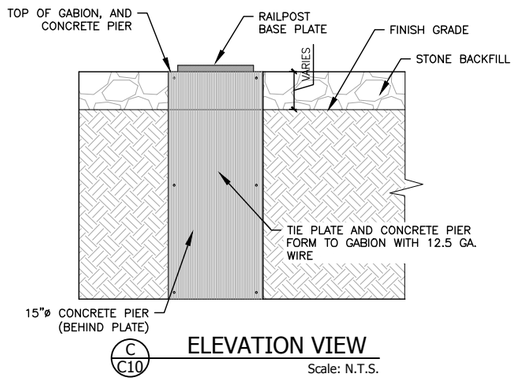




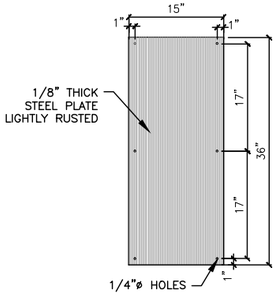


A C10 PLAN VIEW OF PIER
Scale: N.T.S.

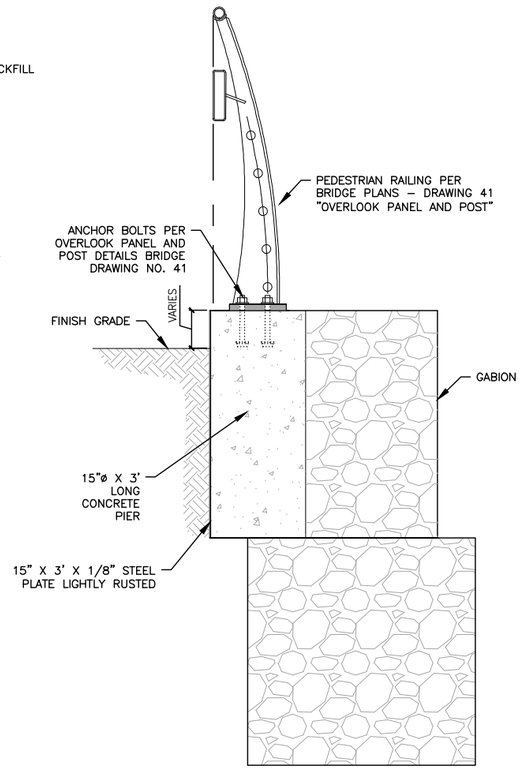
B C10 WIRE TRIM DETAIL
Scale: N.T.S.



C C10 ELEVATION VIEW
Scale: N.T.S.



D C10 STEEL PLATE DETAIL
Scale: N.T.S.



X C10 SECTION X
Scale: N.T.S.

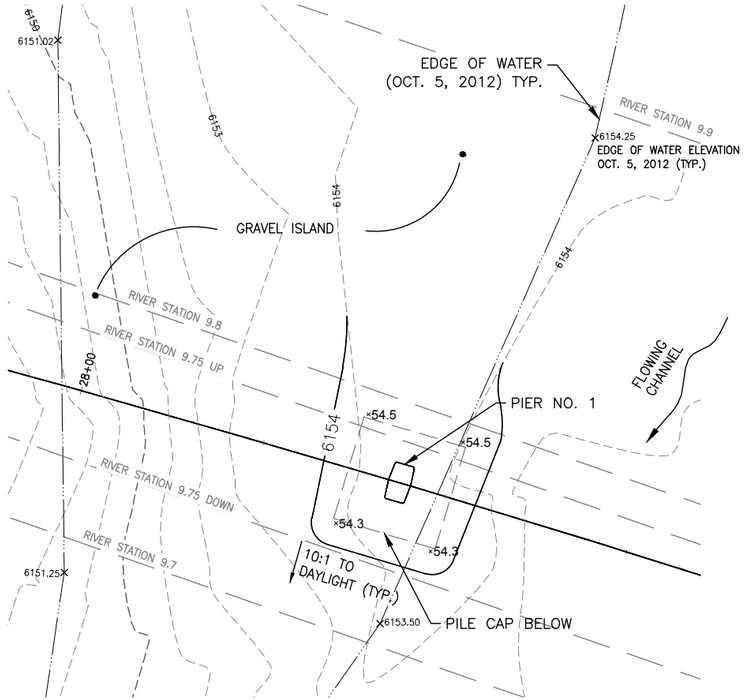
NELSON ENGINEERING
P.O. BOX 1599, JACKSON WYOMING
(307) 733-2087

DRAWING TITLE
RAILING LAYOUT & DETAILS

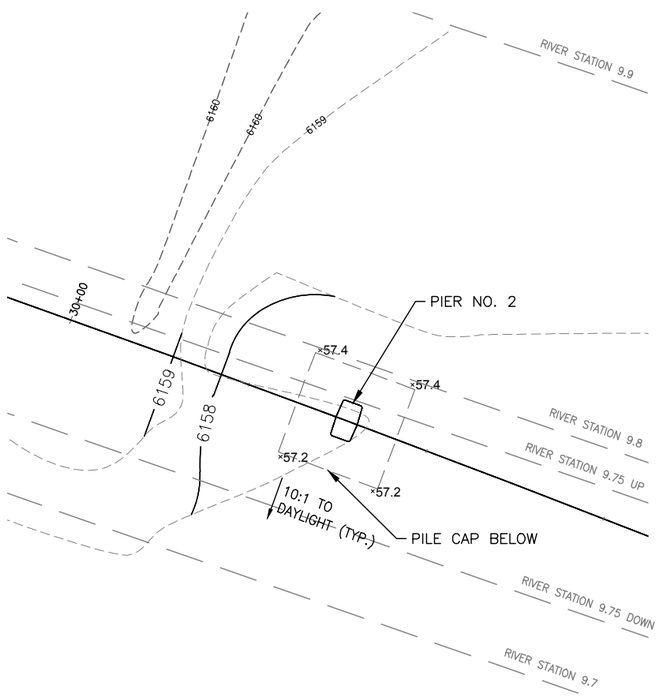
REVISIONS

DRAWING NO	JOB NO	DATE
C10	10-124-02	1/09/13

S:\Proj\2010\124-02 (Path 22 (West)- Design Phase\Drawings\LAYOUT\Bridge Layouts\7A East Bridge Abutments.dwg (C10) - Jan 16, 2013 11:39:48 am PLOTTED BY kwichmer



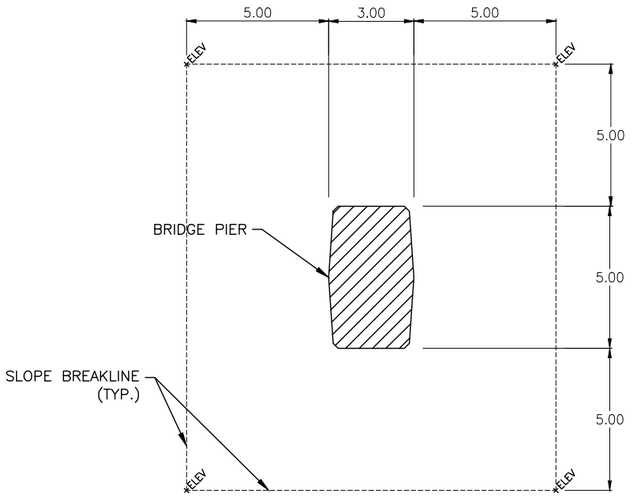
1 C11 PIER NO. 1 GRADING
Scale: 1"=20'



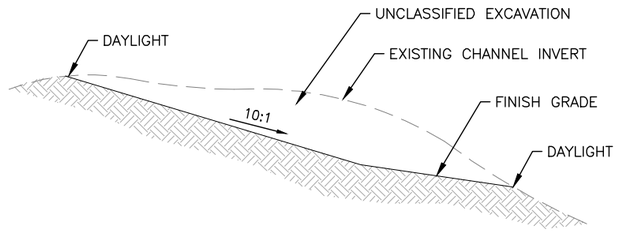
2 C11 PIER NO. 2 GRADING
Scale: 1"=20'

NOTE:
EXISTING CONTOURS SHOWN THIS PLAN WERE GENERATED FROM SURVEY DATA COLLECTED IN THE FALL OF 2011. DUE TO SCOUR AND DEPOSITION OF GRAVEL DURING HIGH WATER FLOWS IT IS ANTICIPATED THAT CURRENT TOPOGRAPHY MAY DIFFER FROM THE BEST AVAILABLE INFORMATION SHOWN ON THESE PLANS.

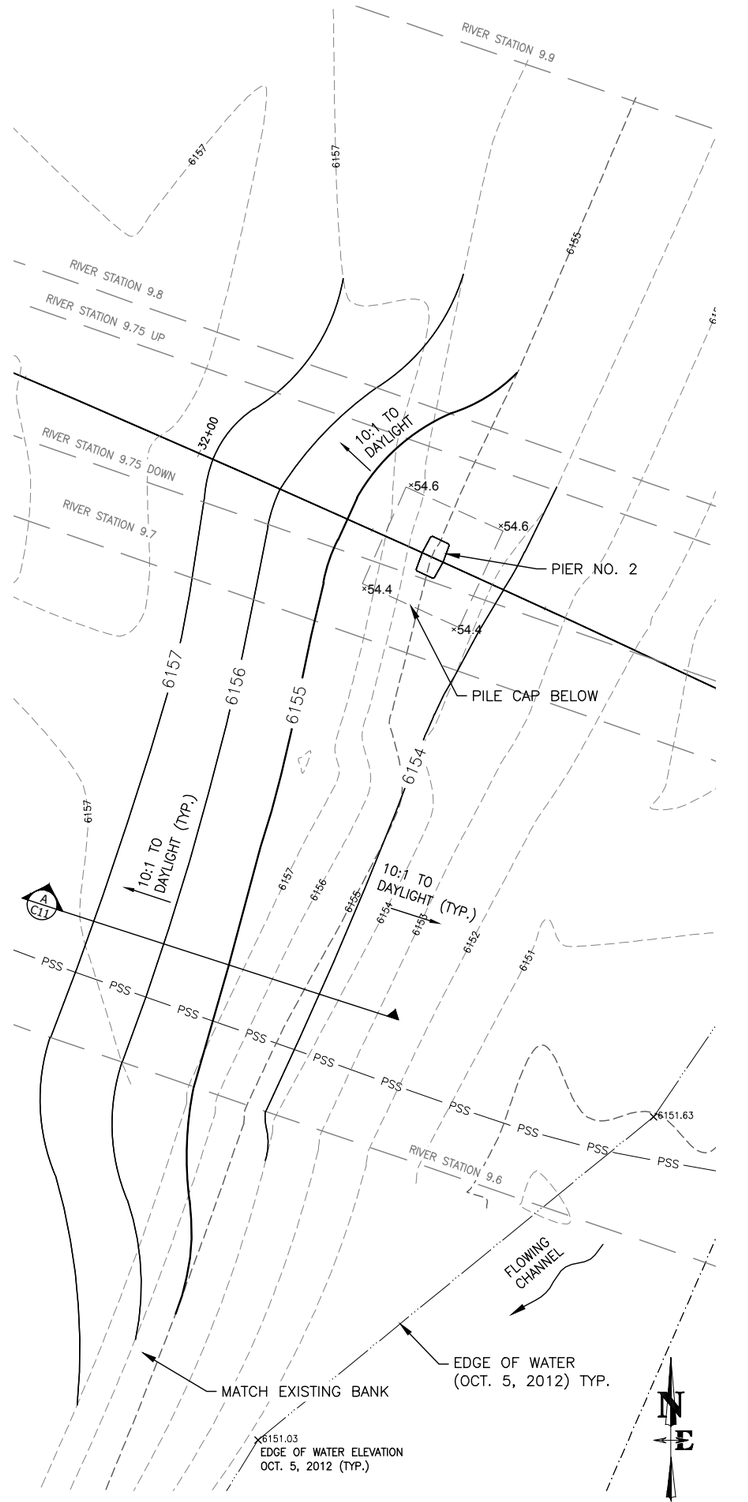
PERFORM GRADING IN ACCORDANCE WITH THIS PLAN. NOTIFY ENGINEER IF ECISTING TOPOGRAPHY DIFFERS SIGNIFICANTLY.



3 C11 GRADED PIER PAD DETAIL
Scale: N.T.S.



A C11 PIER NO. 3 TYPICAL CUT SECTION
Scale: N.T.S.



4 C11 PIER NO. 3 GRADING
Scale: 1"=20'

PATH 22 — JACKSON HOLE COMMUNITY PATHWAYS

NELSON ENGINEERING
P.O. BOX 1599, JACKSON WYOMING
(307) 733-2087

TETON COUNTY

TOWN OF JACKSON WYOMING

DRAWING TITLE
PIERS NO. 1, 2. & 3 GRADING PLANS

REVISIONS

DRAWING NO	JOB NO	DATE
C11	10-124-02	1/09/13

S:\Proj\2010\124-02 (Path 22 (West)- Design Phase\Drawings\LAYOUT\Bridge Layouts\Sht 10 Pier Grading Details.dwg (ALL PIERS 2D)C) - Jan 16 2013 11:48:38 am PLOTTED BY: tkarchner