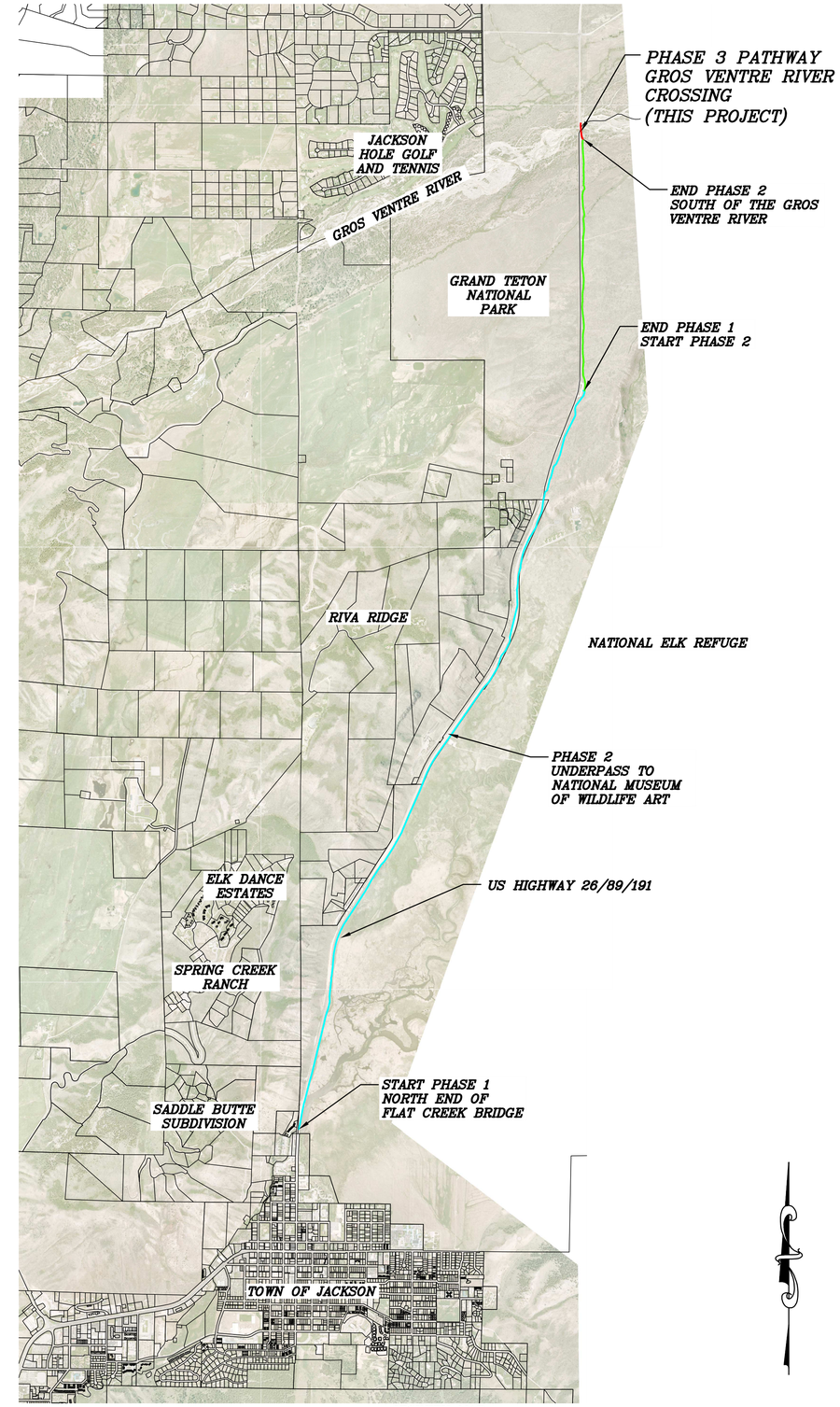
JACKSON HOLE COMMUNITY PATHWAYS
NORTH HIGHWAY 89 PATHWAY

PHASE 3B BRIDGE INSTALLATION, BID DOCUMENTS

LOCATED WITHIN N½ SECTION 35
T42N, R116W
TETON COUNTY, WYOMING

PHASE 3 – TABLE OF CONTENTS

SHEET	CONTENTS
C1.0.1	COVER
C1.0.2	PATHWAY LEGEND, ABBREVIATIONS, AND MATERIAL SCHEDULE
C1.0.3	PATHWAY GENERAL NOTES
C2.0.1	PATHWAY AND BRIDGE GRADING PLAN
C2.0.2	PATHWAY PLAN & PROFILE, STA: 81+63 TO STA 86+78
C2.1.1	PATHWAY SIGNING AND STRIPING, STA: 81+63 TO STA: 86+78
C3.0.1	PATHWAY DETAILS, BRIDGE ABUTMENTS AND RETAINING WALLS
C3.0.2	PATHWAY DETAILS, RETAINING WALLS
C3.0.3	PATHWAY DETAILS, TYPICAL PATHWAY SECTION AND GRADING
C3.0.4	PATHWAY DETAILS, MISCELLANEOUS
C3.1.1	PATHWAY DETAILS, SIGNING AND STRIPING AND FENCING
C4.0.1	PATHWAY CROSS SECTIONS, STA: 81+63 TO STA: 86+78



=VICINITY MAP=
SCALE: 1"=2000'

JORGENSEN ASSOCIATES, P.C. P.O. BOX 9550 JACKSON, WYOMING 83002 (307) 733-5150

Prepared By: jm Map Prepared: NOVEMBER 17, 2010 Project No.: 09019.16

H:\2009\09019\Acad\Sheets_Phase 3\Bid Documents\Phase 3B Construction\09019_C101_P3-TITLE.dwg

ABBREVIATIONS

@	AT
ABDN	ABANDONED
A.D.	GRADE CHANGE
ADDL	ADDITIONAL
ADJ	ADJUSTABLE
AGGR	AGGREGATE
ALT	ALTERNATE
APPROX	APPROXIMATE
AVG	AVERAGE
BF	BOTTOM FACE
BLDG	BUILDING
BM	BENCH MARK
BTM	BOTTOM
BTWN	BETWEEN
B	BASELINE
BVCE	BEGINNING VERTICAL CURVE ELEVATION
BVCS	BEGINNING VERTICAL CURVE STATION
CFS	CUBIC FEET PER SECOND
C&G	CURB AND GUTTER
CI	CAST IRON
CIP	CAST IRON PIPE
CJ	CONSTRUCTION JOINT
CL	CONTROL LINE
CLR	CLEAR
℄	CENTERLINE
CMP	CORRUGATED METAL PIPE
CMPA	CORRUGATED METAL PIPE ARCH
CMU	CONCRETE MASONARY UNIT
CO	CLEANOUT
CONC	CONCRETE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS, CONTINUATION
COORD	COORDINATE
CRNR	CORNER
CP	CONTROL POINT
C TO C	CENTER TO CENTER
CTL	CONTROL
CTR	CENTER
CTRD	CENTERED
CU	CUBIC
CU FT	CUBIC FOOT
CU IN.	CUBIC INCH
CU YD	CUBIC YARD
Δ	CENTRAL ANGLE
DBL	DOUBLE
DESC	DESCRIPTION
DET	DETAIL
DI	DROP INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DR	DRAIN
DS	DOWNSPOUT
DWG	DRAWING
E	EAST
EA	EACH
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
ELEV	ELEVATION
ELB	ELBOW
ENGR	ENGINEER
EOG	EDGE OF GRAVEL
EOP	EDGE OF PAVEMENT
EQL	EQUAL
EQL SP	EQUAL SPACED
EVCE	ENDING VERTICAL CURVE ELEVATION
EVCS	ENDING VERTICAL CURVE STATION
EW	EACH WAY
EXP JT	EXPANSION JOINT
EXST	EXISTING
EXT	EXTERIOR
FAB	FABRICATION
FDN	FOUNDATION
FES	FLARED END SECTION
FG	FINISH GRADE
FH	FIRE HYDRANT
FLEX	FLEXIBLE
FL	FLOW LINE
FLG	FLANGE
FLR	FLOOR
FNSH	FINISH
FOW	FACE OF WALL
FT	FOOT OR FEET
FTG	FOOTING
GRND	GROUND
GR	GRADE
GSP	GALVANIZED STEEL PIPE
GVL	GRAVEL
H	HEIGHT
HBP	HOT BITUMINOUS PAVEMENT
HORIZ	HORIZONTAL
ID	INSIDE DIAMETER
IF	INSIDE FACE
IN.	INCH
INV	INVERT
IVCE	INTERSECTION VERTICAL CURVE ELEVATION
IVCS	INTERSECTION VERTICAL CURVE STATION
JT	JOINT
K	RATE OF VERTICAL CURVATURE

K	RATE OF VERTICAL CURVATURE
LB	POUNDS
LB/CU FT	POUNDS PER CUBIC FOOT
LF	LINEAR FEET
LT	LEFT
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MGD	MILLION GALLONS PER DAY
MH	MANHOLE
MI	MILE, MILES
MIN	MINIMUM
MISC	MISCELLANEOUS
MJ	MECHANICAL JOINT
MON	MONUMENT
N	NORTH
NIC	NOT IN CONTRACT
NO.	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER, OVERFLOW DRAIN
OF	OUTSIDE FACE
OPNG	OPENING
OPP	OPPOSITE
O TO O	OUT TO OUT
P	PROPERTY LINE
PC	POINT OF CURVATURE
PCC	POINT OF CURVE/CURVE INTERSECTION
PCR	POINT OF CURB RETURN
PI	POINT OF INTERSECTION
PK NAIL	SURVEY REFERENCE POINT
PL	PLATE (STEEL)
POB	POINT OF BEGINNING
POC	POINT ON CURVE
POE	POINT OF ENDING
POT	POINT ON TANGENT
PROP	PROPERTY
PSI	POUNDS PER SQUARE INCH
PT	POINT OF TANGENCY
PTT	POINT OF TANGENT/TANGENT INTERSECTION
PVC	POINT OF VERTICAL CURVATURE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
R	RADIUS, RIGHT, RISER
RC	REINFORCED CONCRETE
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
REF	REFER OR REFERENCE
REINF	REINFORCED, REINFORCING, REINFORCE
REQD	REQUIRED
ROW	RIGHT-OF-WAY
RT	RIGHT
S	SOUTH
SCH	SCHEDULE
SEC	SECTION
SH	SHEET
SPA	SPACE OR SPACES
SPEC	SPECIFICATIONS
SQ	SQUARE
SQ FT	SQUARE FOOT
SQ IN	SQUARE INCH
SS	STAINLESS STEEL
STA	STATION
STD	STANDARD
STL	STEEL
SW	SIDEWALK
T	TANGENT
T&B	TOP AND BOTTOM
TBC	TOP BACK OF CURB
TC	TOP OF CURB
TEL	TELEPHONE
TEMP	TEMPORARY
TF	TOP FACE
TG	TOP OF GRATE
TOC	TOP OF CONCRETE
TYP	TYPICAL
UG	UNDER GROUND
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
W	WEST
W/	WITH
WS	WATER SURFACE, WATER STOP, WELDED STEEL
WWM	WELDED WIRE MESH
YD	YARD
YR	YEAR

NOTES:

1. CONTACT THE ENGINEER FOR ABBREVIATIONS NOT LISTED.
2. SOME ABBREVIATIONS MAY APPEAR ON THIS LIST AND NOT ON THE DRAWINGS.

LEGEND

EXISTING	PROPOSED	DESCRIPTION
		STREET LIGHT
		UTILITY POLE
T		TELEPHONE PEDESTAL
T		TELEPHONE VAULT
E		ELECTRICAL VAULT
UT		UTILITY PEDESTAL
FO		FIBER OPTIC PEDESTAL
		SIGN
		TREE
		SHRUB
		POINT OF HORIZONTAL INTERSECTION
		EDGE OF PAVEMENT
		EDGE OF GRAVEL
		FOG LINE
		SIDEWALK
		DAYLIGHT LINE\LIMITS OF DISTURBANCE
		GUARDRAIL
		RETAINING WALL
		CULVERT
		WETLAND BOUNDARY
x x		FENCE
6210	6210	MAJOR CONTOUR
6202	6202	MINOR CONTOUR
		PATHWAY CENTERLINE
		PATHWAY SOLID CENTERLINE STRIPING
		SILT FENCE
		STRAW WATTLE
× CL208		TETON COUNTY AS-STAKED CENTERLINE POINT
		CLEAR ZONE BOUNDARY
		FLOW LINE
		EDGE OF WATER

CONTOUR INTERVAL = 1'

MATERIAL QUANTITY TABLE

STATION RANGE	CUT VOLUME (CY)	FILL VOLUME (CY)	NET VOLUME (CY)	SILT FENCE (LF)	STRAW WATTLE (LF)	SIGNS	STRIPING (LF)
81+63 – 82+92	1	1099	1098	150	0	1 NEW	369
85+43 – 86+78	1	326	325	100	100	0 NEW	0
TOTAL	2	1425	1423	250	100	1 NEW	369

NOTE:

1. NO SHRINK OR SWELL COEFFICIENTS CONSIDERED IN EARTHWORK QUANTITIES.
2. EARTHWORK QUANTITIES BASED ON 4" TOPSOIL STRIPPING PRIOR TO CALCULATING VOLUME.
3. POSITIVE NUMBER IN NET VOLUME COLUMN INDICATES REQUIRED FILL VOLUME.

PLAN VERSION	DATE	DRAFTER	APPROVED
90% SUBMITTAL	8/10/2010	jm	
PHASE 3A BID DOCUMENTS	10/15/2010	jm	
PHASE 3B BID DOCUMENTS	11/17/2010	jm	

SHEET TITLE:
PATHWAY LEGEND, ABBREVIATIONS AND MATERIAL SCHEDULE

PROJECT TITLE:
JH Community Pathways
North Highway 89 Pathway
Phase 3B Bid Documents
Teton County, Wyoming

JORGENSEN ASSOCIATES, P.C.
Engineering • Land Surveying • Planning
P.O. Box 9550 (270 Snow King Ave.) Jackson, Wyoming 83002
(307) 733-5150 FAX (307) 733-5187
E-mail: ja@jorgensenassociates.com

PROJECT NUMBER
09019.16

SHEET
C1.0.2

Plotted by jmann on Nov 11, 2010 – 2:34pm
H:\2009\09019\Acad\Sheets_Phase 3B Construction\09019_C102_P3-ABBREV.dwg

GENERAL NOTES

1. THE LOCATION OF THE EXISTING UTILITIES AND PIPELINES SHOWN ON THE DRAWINGS IS BASED ON LOCATION INFORMATION PROVIDED BY THE OWNERS OF THE UTILITIES AND PIPIELINES. LOCATION INFORMATION IS GENERAL. THE EXACT LOCATION OF THESE FACILITIES MAY NOT BE SHOWN ACCURATELY ON THE DRAWINGS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE UTILITY AND/OR PIPELINE COMPANIES IN THE AREA OF PLANNED WORK AND SECURE EXACT LOCATIONS FOR THOSE UTILITIES. THE CONTRACTOR SHALL REQUEST THE OWNER OF THE UTILITY TO PROVIDE THE NATURE, LOCATION, AND ELEVATION OF THE ULILITY AT EACH LOCATION AND AT WHATEVER INTERVAL IS NECESSARY FOR THE WORK. IF THE UTILITY COMPANY CANNOT OR WILL NOT PROVIDE THE INFORMATION, THE CONTRACTOR SHALL OBTAIN THE INFORMATION BY WHATEVER MEANS NECESSARY. THE CONTRACTOR SHALL SHOW THE NATURE, LOCATION, AND ELEVATION OF THE UTILITY ON THE ENGINEER'S CONTRACT DRAWINGS AND PROVIDE A COPY OF THE INFORMATION TO THE OWNER. NO TRENCHING OR EXCAVATION OPERATIONS SHALL TAKE PLACE UNTIL ALL UTILITY AND PIPELINE COMPANIES HAVE BEEN CONTACTED AND LOCATIONS AND ELEVATIONS OF THE UTILITIES AND PIPELINES CONFIRMED.

2. THE CONTRACTOR WILL CALL THE UTILITY NOTIFICATION 'WYOMING ONE CALL' AT 1–800–348–1030 FOR UTILITY LOCATIONS AT LEAST 2 BUSINESS DAYS, NOT INCLUDING THE DAY OF ACTUAL NOTIFICATION, PRIOR TO ANY EXCAVATION.

3. THE CONTRACTOR SHALL PROTECT ALL EXISTING SURVEY MONUMENTATION DESIGNATED TO REMAIN, FROM ANY DAMAGE DURING CONSTRUCTION OPERATIONS. ANY EXISTING MONUMENTS DISTURBED BY THE CONTRACTOR SHALL BE RESET AT THE CONTRACTOR'S OWN EXPENSE. THE CONTRACTOR AND ENGINEER SHALL NOTE THOSE MONUMENTS IN THE FIELD PRIOR TO CONSTRUCTION.

4. THE CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THOSE AREAS WITHIN THE LIMITS OF DISTURBANCE AND/OR TOES OF SLOPE AS SHOWN ON THE PLANS. ANY DISTURBANCE BEYOND THESE LIMITS SHALL BE RESTORED TO ORIGINAL CONDITIONS BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE. CONSTRUCTION ACTIVITIES, IN ADDITION TO NORMAL CONSTRUCTION PROCEDURES, SHALL INCLUDE THE PARKING OF VEHICLES OR EQUIPMENT, DISPOSAL OF LITTER AND ANY OTHER ACTION WHICH WOULD ALTER EXISTING CONDITIONS.

5. WHERE IT IS REQUIRED TO CUT EXISTING PAVEMENT, THE CUTTING SHALL BE DONE TO A NEAT WORK LINE WITH A SAWCUT OR OTHER METHOD AS APPROVED BY THE ENGINEER.

7. COORDINATES FROM STATION 81+63 TO 86+78 ARE GROUND UNITS BASED ON A MODIFIED STATE PLANE COORDINATE BASE.

8. BASE MAPPING PREPARED FROM SURVEYS PERFORMED BY TETON COUNTY ENGINEERING DEPARTMENT AND SUPPLIED TO AND SUPPLIMENTED BY JORGENSEN ASSOCIATES. RIGHT–OF–WAYS AND PROPERTY INFORMATION FROM TETON COUNTY ENGINEERING AND TETON COUNTY GEOGRAPHICAL INFORMATION SYSTEM.

9. IN GENERAL, EXISTING STRUCTURES AND FACILITIES ARE NOTED AS "EXISTING" AND SHOWN IN LIGHT LINE WEIGHTS, OR ARE SHOWN AS SCREENED BACKGROUND. NEW STRUCTURES AND FACILITIES ARE SHOWN IN HEAVY LINE WEIGHTS.

10. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY TTI PERMIT FOR WORK IN THE CHANNEL PRIOR TO COMMENCING ANY LAND DISTURBING ACTIVITIES.

11. STAGING AND STOCKPILING LOCATIONS SHALL BE COORDINATED WITH NATIONAL ELK REFUGE, THE OWNER AND THE PHASE 2 CONTRACTOR. THE ACCESS AREA SOUTH OF THE GROS VENTRE RIVER HAS BEEN IDENTIFIED AS POSSIBLE LOCATIONS. OWNER AND ENGINEER WILL ASSIST IN SECURING LOCATIONS IDENTIFIED BY THE CONTRACTOR AS PREFERRED LOCATIONS.

12. BRIDGE TOPOGRAPHIC SURVEY CONDUCTED BY JORGENSEN ASSOCIATES IN 2009. RIVER CONDITIONS CHANGE UNEXPECTEDLY AND MAY NOT BE ACCURATELY REFLECTED ON THESE PLANS. HIGHWAY 89 PATHWAY COORDINATE SYSTEM IS STATE PLANE EXCEPT IN THE AREA OF THIS BRIDGE WHERE GROUND UNITS ARE USED.

PATHWAY DESIGN NOTES

1. PATHWAY DESIGN CRITERIA:

PATHWAY PAVEMENT WIDTH:	10 FEET
MINIMUM HORIZONTAL CURVE RADIUS:	100 FEET
MAXIMUM PROFILE GRADE:	5.0%
MAXIMUM CUT SLOPE:	2.0:1
MAXIMUM FILL SLOPE:	2.0:1

PATHWAY STRUCTURAL SECTION:
- 2 INCHES HOT PLANT MIX BITUMINOUS PAVEMENT
- 3 INCHES CRUSHED GRAVEL BASE
- 8 INCHES PIT RUN GRAVEL SUBBASE

2. THE LIMITS OF DISTURBANCE ARE GENERALLY BASED UPON 2:1 CUT AND FILL SLOPES. SEE PLANS AND CROSS SECTION DETAILS FOR ACTUAL CONFIGURATION. SLOPES STEEPER THAN 2:1 SHALL ONLY BE ALLOWED AS DIRECTED BY THE ENGINEER AND WILL REQUIRE SPECIAL EROSION PROTECTION.

3. LOCATION OF PROFILE GRADE LINES SHALL BE WHERE SHOWN ON THE TYPICAL SECTIONS, AND SHALL COINCIDE WITH THE FINISHED CENTERLINE SURFACE OF THE PAVEMENT TO BE PLACED ON THIS PROJECT.

4. GEOTECH FABRIC SHALL BE PLACED WHERE REQUIRED BY GEOTECHNICAL REPORT AND/OR DIRECTED BY ENGINEER.

STRUCTURAL NOTES:

DESIGN LOADS:

SNOW	– 120 psf., GROUND SNOW LOAD
LIVE LOAD	– 85 psf, PEDESTRIAN LOAD
	– 10,000 lb. MAINTENANCE VEHICLE
BASIC WIND SPEED	– 90 mph., EXPOSURE C
SEISMIC LOADING (IBC)	– ZONE D, I=1.0, Sds=0.828
SOIL BEARING	– 5000 psf. (GEOTECH REPORT, WOMACK & ASSOC., JUNE 10, 2009)

(NOTE: BRIDGE IS CLOSED TO PEDESTRIAN USE FROM OCTOBER 1 THROUGH APRIL 30 DUE TO WILDLIFE MIGRATION TO ELK REFUGE. SNOW LOAD AND LIVE LOADS DO NOT ACT CONCURRENTLY.)

CAST–IN–PLACE CONCRETE:

1. CONCRETE CONSTRUCTION SHALL CONFORM TO AMERICAN CONCRETE INSTITUTE (ACI) CODE REQUIREMENTS ACI 318–05.

2. CAST–IN–PLACE CONCRETE SHALL CONFORM TO:

WALLS: MIN. 28 DAY COMPRESSIVE STRENGTH = 4000 PSI
ENTRAINED AIR CONTENT: 6% ±1%
SLUMP RANGE: 2–4 INCHES

FOOTINGS: MIN. 28 DAY COMPRESSIVE STRENGTH = 4000 PSI
ENTRAINED AIR CONTENT: 6% ±1%
SLUMP RANGE: 2–4 INCHES

BRIDGE DECK: MIN. 28 DAY COMPRESSIVE STRENGTH =4000 PSI
ENTRAINED AIR CONTENT: 6% ±1%
SLUMP RANGE: 3–5 INCHES

3. CONCRETE COVER OVER REINFORCING BARS SHALL BE 3" FOR CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH, 1 1/2" MIN. FOR ALL OTHER CONCRETE EXPOSED TO EARTH OR WEATHER.

4. LAP REINFORCING BARS AT SPLICES, CORNERS AND INTERSECTIONS.
   - #7 REINFORCING BARS – 3'–0"
   - #6 REINFORCING BARS – 2'–6"
   - #5 REINFORCING BARS – 2'–0"
   - #4 REINFORCING BARS – 1'–8"

   UNLESS OTHERWISE NOTED ON THE FOUNDATION PLAN AND DETAILS.

5. USE DEFORMED STEEL BAR CONFORMING TO ASTM A615 GRADE 60, EXCEPT #3 BAR STIRRUPS AND FIELD BENT DOWELS WHICH SHALL BE GRADE 40.

6. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A82 OR A185 AND SHALL BE PROVIDED IN FLAT SHEETS.

7. ALL REINFORCING IS TO BE SUPPORTED BY CHAIRS OR CONCRETE BRICKS AND SECURELY TIED IN PLACE.

8. REINFORCING STEEL SHALL NOT BE WELDED.

STRUCTURAL STEEL SPECIFICATION:

1. MATERIALS
   - a. STRUCTURAL STEEL SHAPES, PLATES AND BARS
     1. REFER TO AISC STEEL CONST. MANUAL FOR PREFERRED MATERIAL GRADING SPECIFICATIONS
     2. SEE BRIDGE SPECIFICATIONS IN PROJECT MANUAL FOR BRIDGE STEEL SPECIFICATIONS
   - b. STRUCTURAL STEEL TUBING
     1. ASTM A 500, GRADE B
   - c. STEEL PIPE
     1. ASTM A53, TYPE–E, GRADE B, WEIGHT CLASS STANDARD.
   - d. BOLTS AND HARDWARE
     1. BOLTS – ASTM A325
     2. WASHERS – ASTM A36
   - e. WELDING ELECTRODES: COMPLY WITH AWS REQUIREMENTS

EXCAVATION AND GRADING:

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD AND SHALL PROMPTLY NOTIFY THE ENGINEER OF ANY VARIATIONS OR DISCREPANCIES.

2. STRUCTURAL MEMBERS SHALL BE ADEQUATELY SHORED AND BRACED DURING CONSTRUCTION.

3. ENGINEER SHALL BE CONTACTED PRIOR TO CONSTRUCTION TO PROVIDE CONSTRUCTION OBSERVATION WHEN ENGINEER'S CERTIFICATION IS REQUIRED FOR THE COMPLETED STRUCTURE.

4. ALL EXCAVATION ACTIVITIES SHALL COMPLY WITH PERMIT REQUIREMENTS ISSUED FOR THE PROJECT. CONTRACTOR SHALL REVIEW AND BE RESPONSIBLE FOR PERMIT COMPLIANCE.

5. TOPSOIL, VEGETATION AND UNSTABLE OR FROZEN SOIL SHALL BE REMOVED PRIOR TO CONSTRUCTION OF THE STRUCTURE OR EMBANKMENT.

EXCAVATION AND GRADING SPECIFICATIONS

1. ALL WORK SHALL CONFORM TO THE 2001 EDITION OF THE WYOMING PUBLIC WORKS STANDARD SPECIFICATIONS AND TO THE 2003 WYOMING DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION EXCEPT AS MODIFIED.

2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD AND SHALL PROMPTLY NOTIFY THE ENGINEER OF ANY VARIATIONS OR DISCREPANCIES.

3. ALL EXCAVATION ACTIVITIES SHALL COMPLY WITH PERMIT REQUIREMENTS ISSUED FOR THE PROJECT. CONTRACTOR SHALL REVIEW AND BE RESPONSIBLE FOR PERMIT COMPLIANCE.

   OWNER SUPPLIED PERMITS:
   1. TETON COUNTY BRIDGE PERMIT
   2. TETON COUNTY FLOOD PLAIN PERMIT
   3. ACOE 404 PERMIT

   CONTRACTOR SUPPLIED PERMIT:
   1. WYO–DEQ TTI PERMIT

4. PLACE SILT BARRIERS AT LOW POINTS AND DISCHARGE POINTS FROM THE SITE. THOSE LOCATIONS SHOWN ON THE PLANS ARE ADVISORY AND ACTUAL FIELD CONDITIONS SHALL DETERMINE LOCATIONS.

5. EXISTING VEGETATION IS TO BE MAINTAINED TO THE EXTENT POSSIBLE. ALL DISTURBED SURFACES SHALL BE RESEEDED AS SOON AS PRACTICABLE IN ACCORDANCE TO THE REVEGETATION SPECIFICATIONS.

6. FUGITIVE DUST WILL BE CONTROLLED BY WATERING DURING DRY PERIODS OR AS REQUIRED BY ENGINEER.

7. FILL MATERIAL SHALL BE SUITABLE ON–SITE OR IMPORTED MATERIAL WITH ROCK NO LARGER THAN SIX INCHES IN DIAMETER. LARGER MATERIAL MAY BE PLACED ONLY WHEN AUTHORIZED BY THE ENGINEER.

REVEGETATION SPECIFICATIONS

SITE PREPARATION:

GRADE DISTURBED AREAS AS INDICATED ON THE PLAN. WHERE GRADING ABUTS AN EXISTING GRADE, PROVIDE FOR A SMOOTH ROUNDED TRANSITION. SCARIFY COMPACTED SUBGRADE TO PERMIT PLANT GROWTH. THOROUGHLY RAKE SOIL REMOVE CLUMPS OF DIRT AND ROCKS LARGER THAN 3" IN DIAMETER.

ALL AREAS ADJACENT TO CHANNEL SHALL BE SILT FENCED PRIOR TO CONSTRUCTION.

PRIOR TO TOPSOIL APPLICATION, THE ENTIRE AREA TO BE SEEDED SHALL BE MADE SUITABLE, BY TILLING OR RAKING, FOR GOOD BONDING BETWEEN SUBGRADE MATERIAL AND TOPSOIL. RECLAMATION SEEDING AREAS NOT RECEIVING TOPSOIL, SHALL BE MADE SUITABLE FOR SEEDING BY TILLING OR RAKING. HARD PACKED OR CAKED TOPSOIL SURFACES SHALL BE SCARIFIED OR DISKED PRIOR TO SEEDING.

ON ALL DISTURBED AREAS, TOPSOIL IS NECESSARY TO INCREASE CHANCES OF SEED GERMINATION. A LAYER OF CLEAN TOPSOIL, 2" MINIMUM DRESSING ON SHOULDER, 4" MINIMUM FOR FILL SLOPES, SHALL BE APPLIED PRIOR TO SEEDING. TOPSOIL SHALL BE UNIFORMLY SPREAD ON PREPARED SURFACES PRIOR TO SEEDING. REMOVE FOREIGN MATERIALS, WEEDS, AND UNDESIRABLE PLANTS FROM PREPARED SOIL PRIOR TO SEEDING.

WHERE TRACKED MACHINERY IS USED TO SPREAD TOPSOIL, TRACK WALK TOPSOIL INTO SLOPE WITH TREADS PERPENDICULAR TO SLOPE TO HOLD SOIL AND CREATE DEPRESSIONS TO CATCH SEED AND MOISTURE.

MATERIALS AND INSTALLATION:

SEED SHALL BE FRESH WITH 95%, PURE LIVE SEED, OF THE LATEST CROP, MIXED IN THE QUANTITIES INDICATED BELOW:

SEED MIX:

SPECIES	SCIENTIFIC NAME	LBS PER ACRE
GRASSES		
MOUNTAIN BROME	BROMUS CARINATUS	5.4
BLUEBUNCH WHEATGRASS	ELYMUS SPICATUS	1.8
IDAHO FESCUE	FESTUCA IDAHOENSIS	1.8
SLENDER WHEATGRASS	ELYMUS TRACHYCAULUS	5.0
BASIN WILDRYE	LEYMUS CINEREUS	1.0
SULFUR BUCKWHEAT	ERIOGONUM UMBELLANTUM	1.0
SANDBERG BLUEGRASS	POA SECUNDA	1.0
INDIAN RICEGRASS	ACHNATHERUM HYMANOIDES	1.0
FORBS		
SMALL FLOWERED PENSTEMON	PENSTEMOM PROCERUS	0.8
SHOWY GOLDENEYE	VIGUIERA MULTIFLORA	0.4
ARROWLEAF BALSAMROOT	BALSAMORRIZA SAGITATA	0.8
	TOTAL	20.0 LBS/ACRE

SPREAD SEED MIX AT THE RATE INDICATED. SEED SHALL BE SOWN IN THE FALL AFTER OCTOBER 15, BEFORE MAJOR SNOW FALL. SEED SHALL BE UNIFORMLY DISTRIBUTED OVER THE SURFACE BY APPROVED MECHANICAL BROADCASTING DEVICES. SEED SHALL NOT BE APPLIED DURING HIGH WINDS AND CARE SHALL BE TAKEN TO PROTECT EXISTING IMPROVEMENTS. AFTER SEEDING, THE SURFACE OF THE SOIL SHALL BE THOROUGHLY RAKED WITH A FINE–TOOTHED RAKE TO INCORPORATE SEED INTO TOPSOIL. AFTER RAKING A HYDRO–MULCH SHALL BE APPLIED TO THE FINISHED SURFACE.

ALL SEED SHALL COMPLY WITH WYOMING SEED LAW. SEED SHALL BE PURCHASED FROM A DEALER LICENSED WITH THE WYOMING DEPARTMENT OF AGRICULTURE. CERTIFICATIONS FOR THE SEED MIX SHALL BE PROVIDED TO THE ENGINEER PRIOR TO SEEDING.

PLAN VERSION	DATE	DRAFTER	APPROVED
90% SUBMITTAL	8/10/2010	jm	
PHASE 3A BID DOCUMENTS	10/15/2010	jm	
PHASE 3B BID DOCUMENTS	11/17/2010	jm	

SHEET TITLE:
PATHWAY
GENERAL NOTES

PROJECT TITLE:
JH Community Pathways
North Highway 89 Pathway
Phase 3B Bid Documents
Teton County, Wyoming

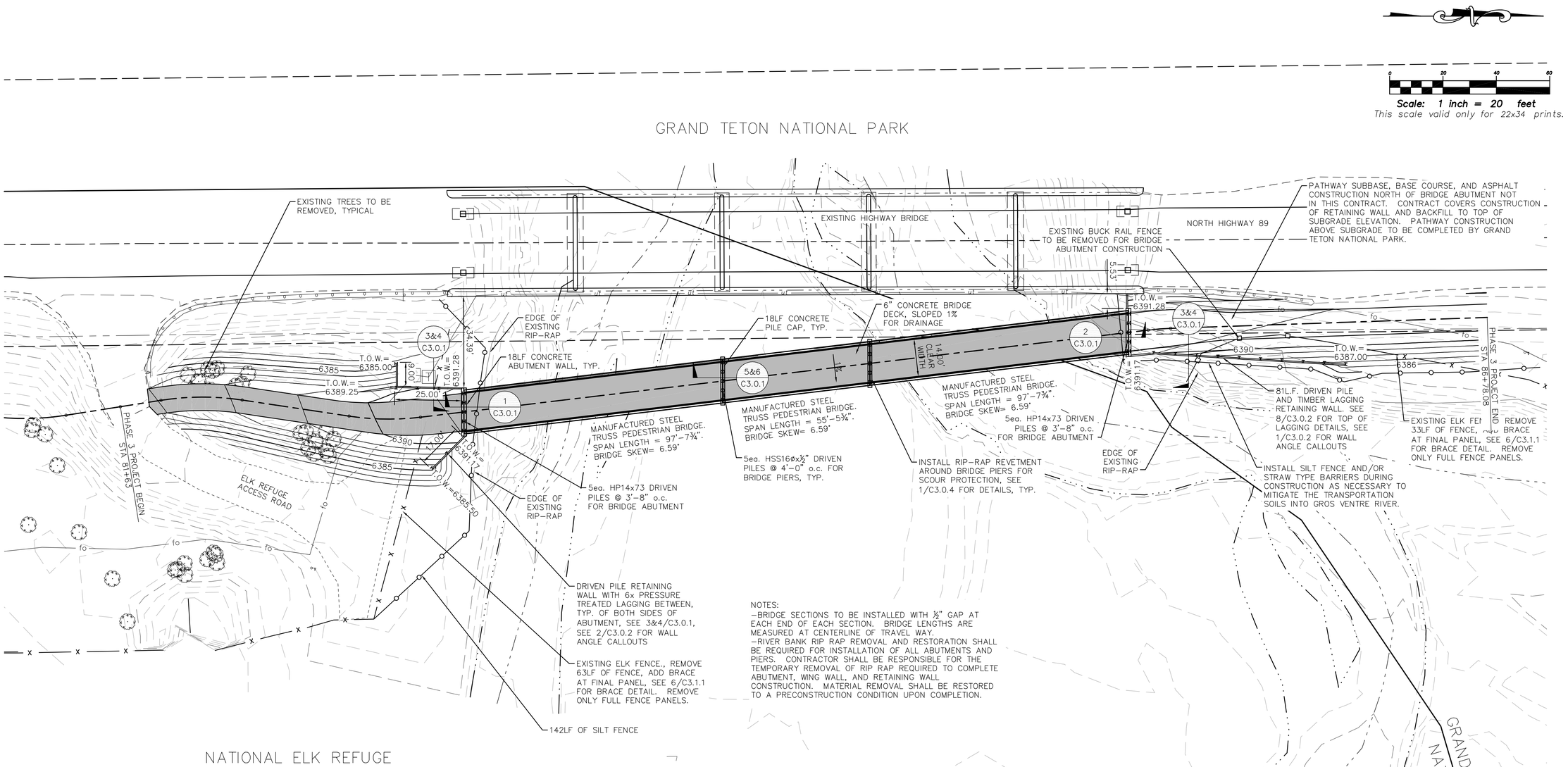
JORGENSEN ASSOCIATES, P.C.
Engineering • Land Surveying • Planning
P.O. Box 9550 (770 Snow King Avenue) Jackson, Wyoming 83002
(307) 733-5150 FAX (307) 733-5187
E-mail: ja@jorgensenassociates.com

PROJECT NUMBER
09019.16

SHEET
C1.0.3

Plotted by jmann on Nov 11, 2010 – 2:35pm
H:\2009\09019\Acad\Sheets_Phase 3\Bid Documents\Phase 3B Construction\09019_C102_P3–4BBREV.dwg

Plotted by jmann on Nov 11, 2010 – 2:30pm



NOTES:
-BRIDGE SECTIONS TO BE INSTALLED WITH ½" GAP AT EACH END OF EACH SECTION. BRIDGE LENGTHS ARE MEASURED AT CENTERLINE OF TRAVEL WAY.
-RIVER BANK RIP RAP REMOVAL AND RESTORATION SHALL BE REQUIRED FOR INSTALLATION OF ALL ABUTMENTS AND PIERS. CONTRACTOR SHALL BE RESPONSIBLE FOR THE TEMPORARY REMOVAL OF RIP RAP REQUIRED TO COMPLETE ABUTMENT, WING WALL, AND RETAINING WALL CONSTRUCTION. MATERIAL REMOVAL SHALL BE RESTORED TO A PRECONSTRUCTION CONDITION UPON COMPLETION.

PLAN VERSION	DATE	DRAFTER	APPROVED
90% SUBMITTAL	8/10/2010	jm	
PHASE 3A BID DOCUMENTS	10/15/2010	jm	
PHASE 3B BID DOCUMENTS	11/17/2010	jm	

SHEET TITLE:
PATHWAY AND BRIDGE GRADING PLAN

PROJECT TITLE:
JH Community Pathways
North Highway 89 Pathway
Phase 3B Bid Documents
Teton County, Wyoming

JORGENSEN ASSOCIATES, P.C.
Engineering • Land Surveying • Planning
Water Resources • Water Rights • Planning
P.O. Box 90596 270 S. Willow St. Jackson, Wyoming 83002
(307) 733-5150 FAX (307) 733-5187
E-mail: ja@jorgensenassociates.com

PROJECT NUMBER
09019.16

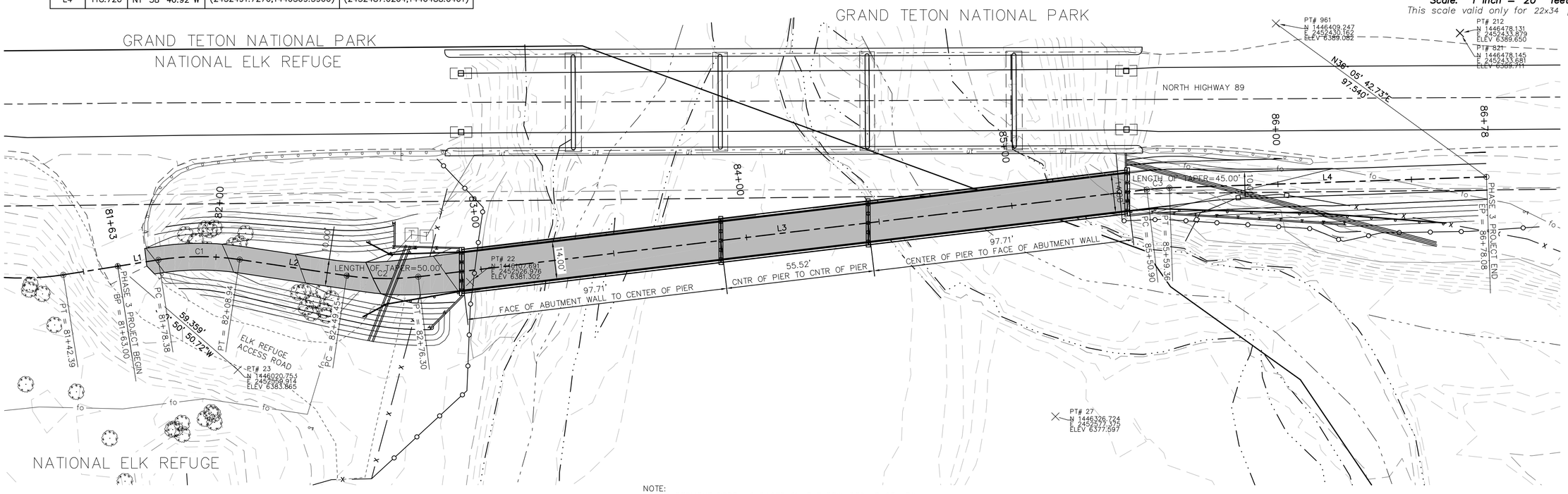
SHEET
C2.0.1

C:\DOCUME~1\jmann\LOCALS~1\Temp\AcPublish_2852\09019_P3_PLAN SHEETS.dwg

Line Table: Alignments				
Line #	Length	Direction	Start Point	End Point
L1	15.381	N8° 57' 09.02"W	(2452521.0905,1445975.8508)	(2452518.6970,1445991.0443)
L2	40.503	N8° 33' 27.62"E	(2452518.5921,1446021.4863)	(2452524.6192,1446061.5388)
L3	274.602	N6° 49' 40.04"W	(2452525.0234,1446088.3079)	(2452492.3771,1446360.9626)
L4	118.720	N1° 58' 46.92"W	(2452491.7276,1446369.3966)	(2452487.6264,1446488.0461)

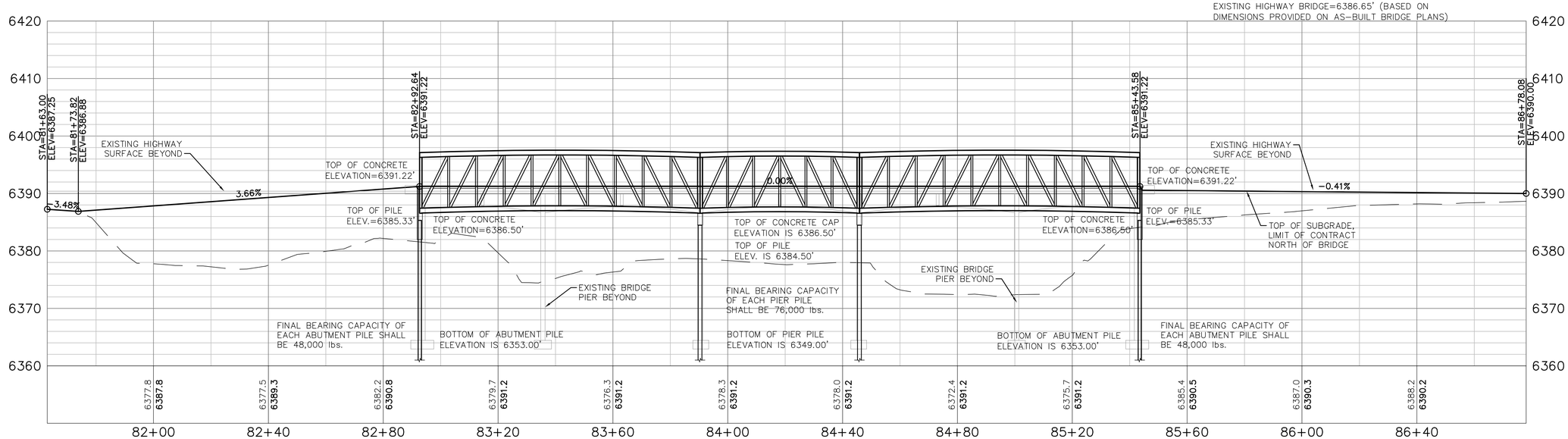
Curve Table: Alignments					
Curve #	Radius	Length	Chord Direction	Start Point	End Point
C1	100.000	30.561	N0° 11' 50.70"W	(2452518.6970,1445991.0443)	(2452518.5921,1446021.4863)
C2	100.000	26.853	N0° 51' 53.79"E	(2452524.6192,1446061.5388)	(2452525.0234,1446088.3079)
C3	100.000	8.462	N4° 24' 13.48"W	(2452492.3771,1446360.9626)	(2452491.7276,1446369.3966)

Scale: 1 inch = 20 feet
This scale valid only for 22x34 prints.



NOTE:
PILE EMBEDMENT DEPTH IS BASED ON THE REQUIRED LENGTH TO SUPPORT THE BRIDGE PLUS 5 FEET FOR SCOUR PROTECTION.

LOWEST CHORD ELEVATIONS:
PROPOSED PATHWAY BRIDGE=6386.60'
EXISTING HIGHWAY BRIDGE=6386.65' (BASED ON DIMENSIONS PROVIDED ON AS-BUILT BRIDGE PLANS)



HIGHWAY 89, PHASE 3 CONSTRUCTION
SCALE-HORIZONTAL 1"=20'
VERTICAL: 1"=10'

PLAN VERSION	DATE	DRAFTER	APPROVED
90% SUBMITTAL	8/10/2010	jm	
PHASE 3A BID DOCUMENTS	10/15/2010	jm	
PHASE 3B BID DOCUMENTS	11/17/2010	jm	

SHEET TITLE:
PATHWAY AND BRIDGE PLAN AND PROFILE
STA: 81+63 TO STA: 86+78

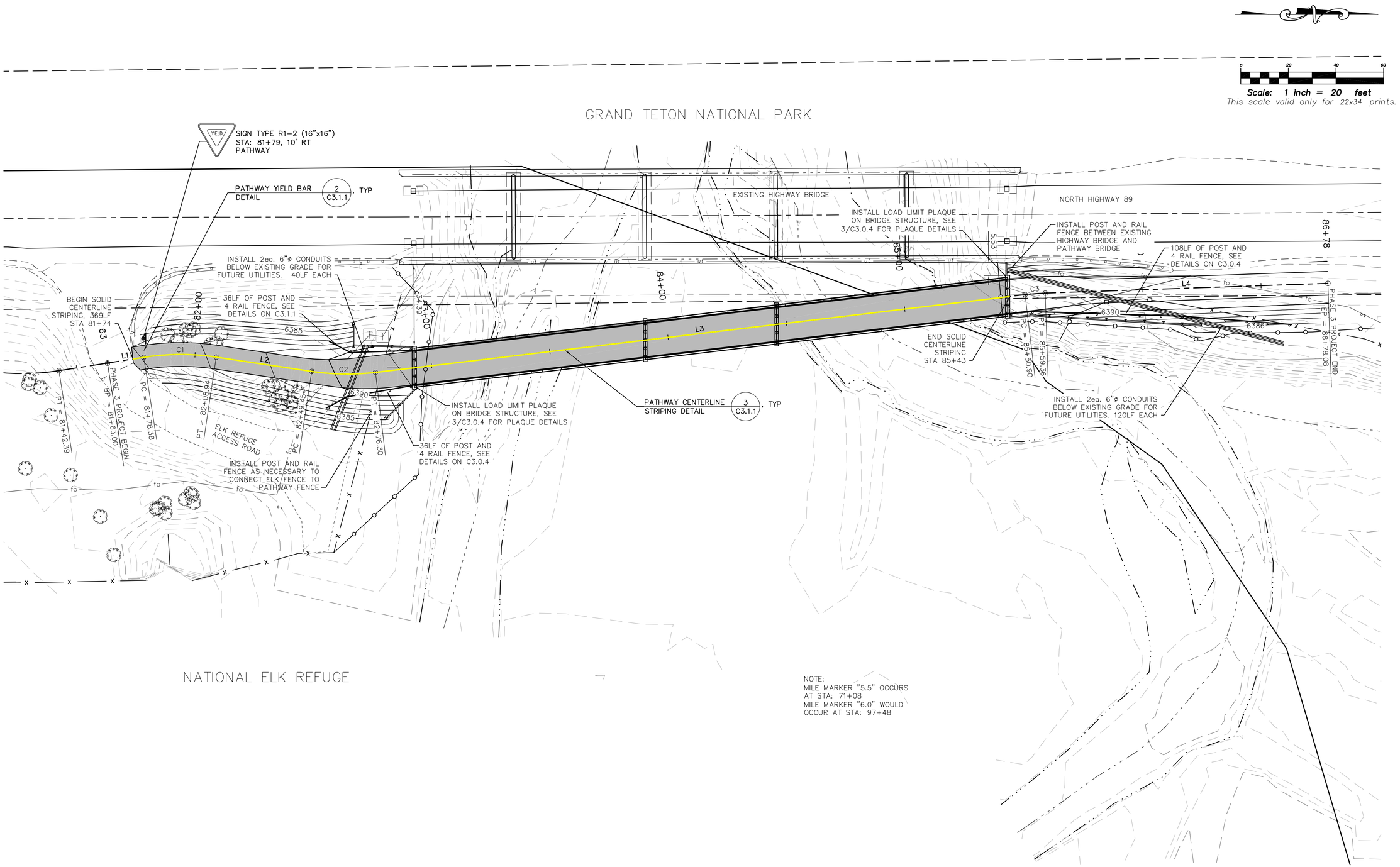
PROJECT TITLE:
JH Community Pathways
North Highway 89 Pathway
Phase 3B Bid Documents
Teton County, Wyoming

JORGENSEN ASSOCIATES, P.C.
Engineering • Land Surveying • Planning
P.O. Box 9550 770 W. Broadway Jackson, Wyoming 83002
(307) 733-5150 FAX (307) 733-5187
E-mail: ja@jorgensenassociates.com

PROJECT NUMBER
09019.16

SHEET
C2.0.2

Plotted by jmann on Nov 11, 2010 - 2:30pm
C:\DOCUME~1\jmann\LOCALS~1\Temp\AcPublish_2852\09019_P3_PLAN SHEETS.dwg



PLAN VERSION	DATE	DRAFTER	APPROVED
90% SUBMITTAL	8/10/2010	jm	
PHASE 3A BID DOCUMENTS	10/13/2010	jm	
PHASE 3B BID DOCUMENTS	11/17/2010	jm	

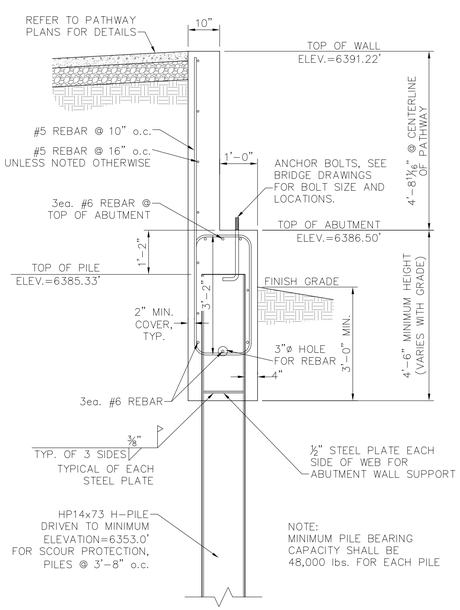
SHEET TITLE:
PATHWAY SIGNING AND STRIPING PLAN, STA: 81+63 TO STA: 86+78

PROJECT TITLE:
JH Community Pathways
North Highway 89 Pathway
Phase 3B Bid Documents
Teton County, Wyoming

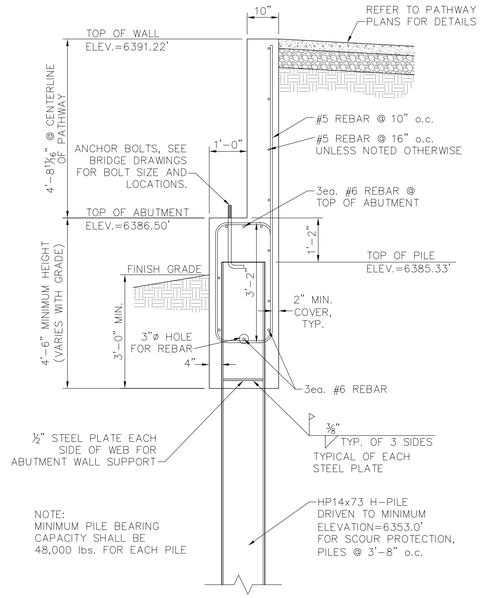
JORGENSEN ASSOCIATES, P.C.
Engineering • Land Surveying • Planning
P.O. Box 9550, 270 East Simpson Ave., Jackson, Wyoming 83002
(307) 733-5150 FAX (307) 733-5187
E-mail: ja@jorgensenassociates.com

PROJECT NUMBER
09019.16

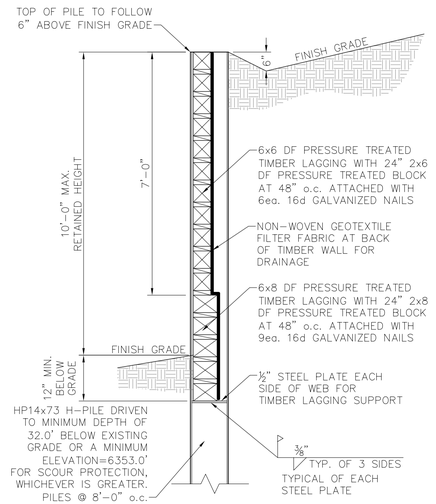
SHEET
C2.1.1



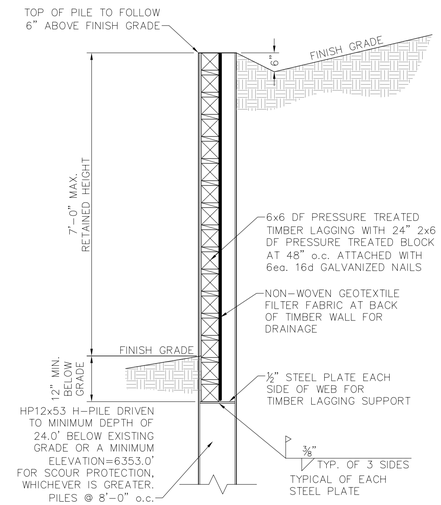
1 C3.0.1 ABUTMENT SECTION
SCALE: 1/2"=1'-0" SOUTH ABUTMENT



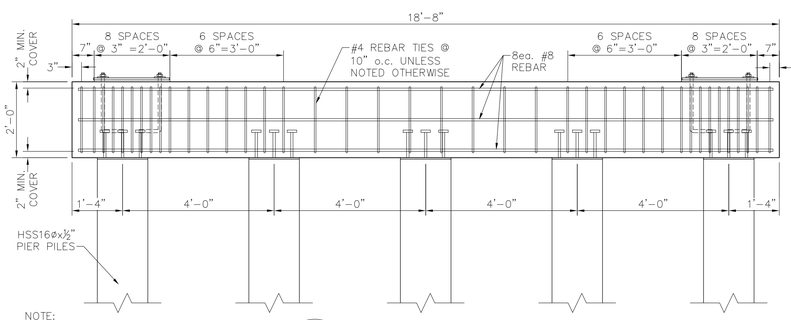
2 C3.0.1 ABUTMENT SECTION
SCALE: 1/2"=1'-0" NORTH ABUTMENT

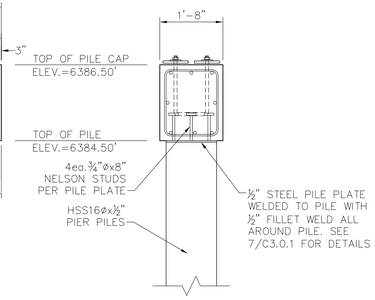


3 C3.0.1 RETAINING WALL SECTION
SCALE: 1/2"=1'-0" 10ft MAX RETAINED HEIGHT

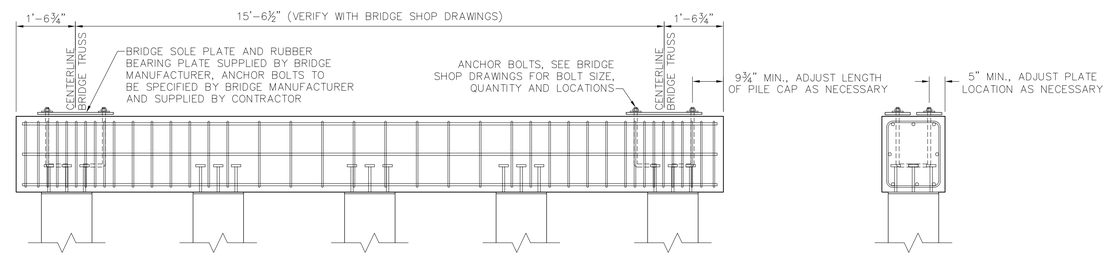


4 C3.0.1 RETAINING WALL SECTION
SCALE: 1/2"=1'-0" 7ft MAX. RETAINED HEIGHT

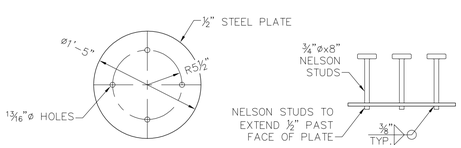




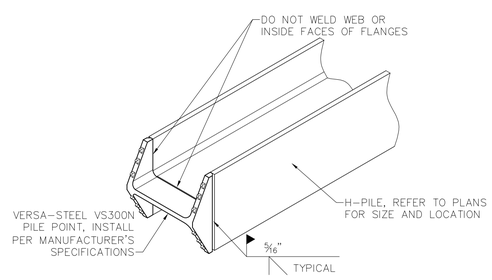
5 C3.0.1 PILE CAP REINFORCING
SCALE: 1/2"=1'-0"



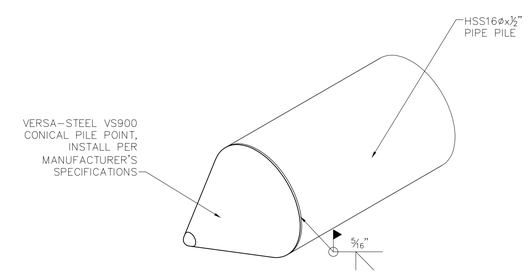
6 C3.0.1 PIER ANCHOR BOLT DET.
SCALE: 1/2"=1'-0"



7 C3.01 PILE PLATE DETAIL
SCALE: 1"=1'-0"



8 C3.0.1 H-PILE POINT INSTALLATION
SCALE: 1"=1'-0" FOR HP12x53 & HP14x73



9 C3.0.1 PIPE PILE POINT INSTALLATION
SCALE: 1"=1'-0" FOR HSS16øx1/2" PILES

PLAN VERSION	DATE	DRAFTER	APPROVED
90% SUBMITTAL	8/10/2010	jm	
PHASE 3A BID DOCUMENTS	10/15/2010	jm	
PHASE 3B BID DOCUMENTS	11/17/2010	jm	

SHEET TITLE:
PATHWAY DETAILS
BRIDGE ABUTMENTS AND
RETAINING WALL DETAILS

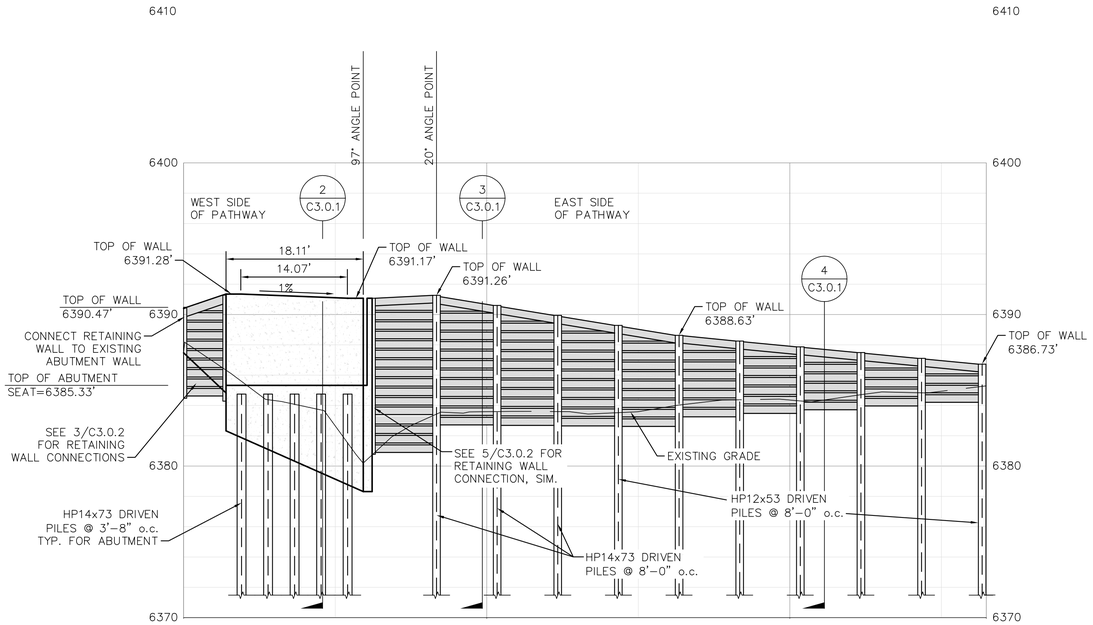
PROJECT TITLE:
JH Community Pathways
North Highway 89
Phase 3B Bid Documents
Teton County, Wyoming

JORGENSEN ASSOCIATES, P.C.
Engineering • Land Surveying • Planning
P.O. Box 9550, 170 East Simpson Ave., Jackson, Wyoming 83002
(307) 733-5150 FAX (307) 733-5187
E-mail: ja@jorgensenassociates.com

PROJECT NUMBER
09019.16

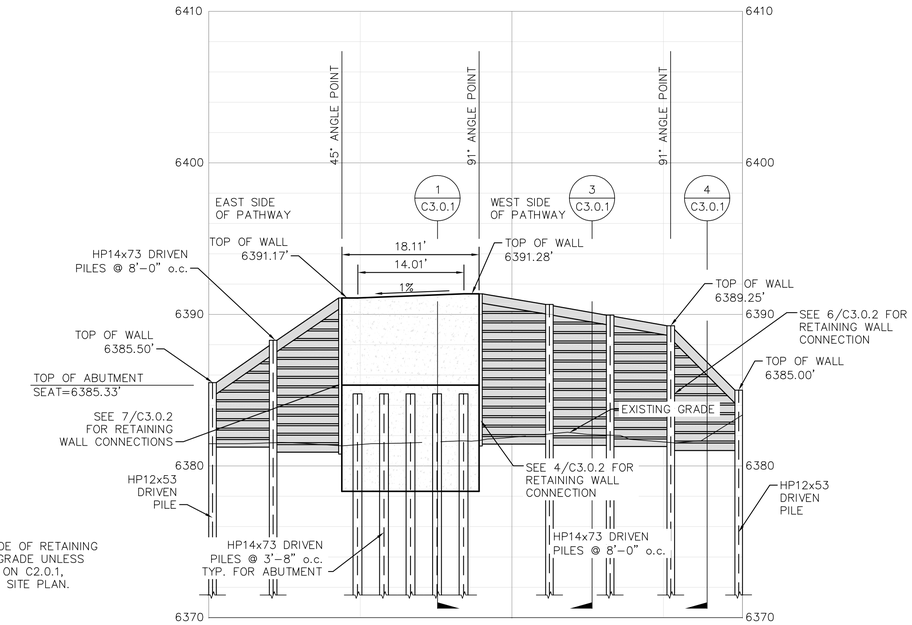
SHEET
C3.0.1

Plotted by jmann on Nov 11, 2010 - 2:33pm
H:\2009\09019\Acad\Sheets_Phase 3B Bid Documents\Phase 3B Construction\09019_C3.0.1_P3-DETAILS.dwg

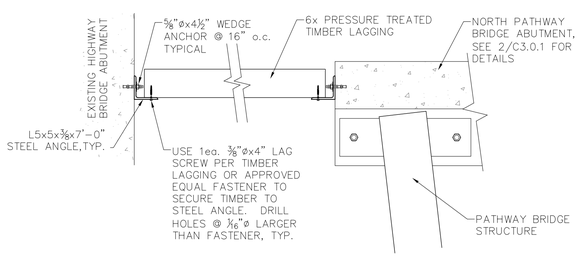


1 C3.0.2 RETAINING WALL ELEVATION
SCALE: NTS
NORTH END OF BRIDGE

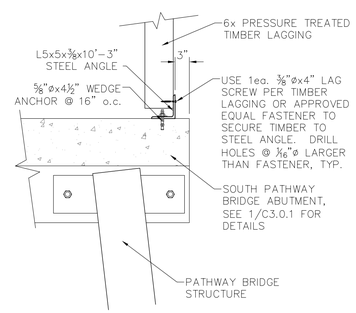
NOTE:
EXISTING GRADE AT TOE OF RETAINING WALLS TO BE FINISH GRADE UNLESS OTHERWISE INDICATED ON C2.0.1, PATHWAY AND BRIDGE SITE PLAN.



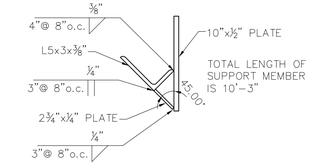
2 C3.0.2 RETAINING WALL ELEVATION
SCALE: NTS
SOUTH END OF BRIDGE



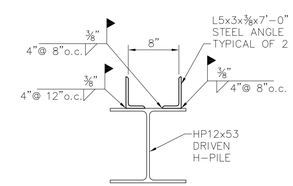
3 C3.0.2 RETAINING WALL CONNECTION
SCALE: ¾"=1'-0"
NORTHWEST WING WALL



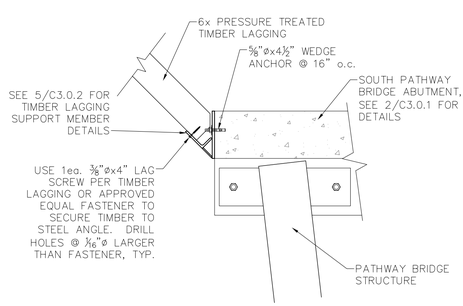
4 C3.0.2 RETAINING WALL CONNECTION
SCALE: ¾"=1'-0"
SOUTHWEST AND NORTHEAST WING WALLS



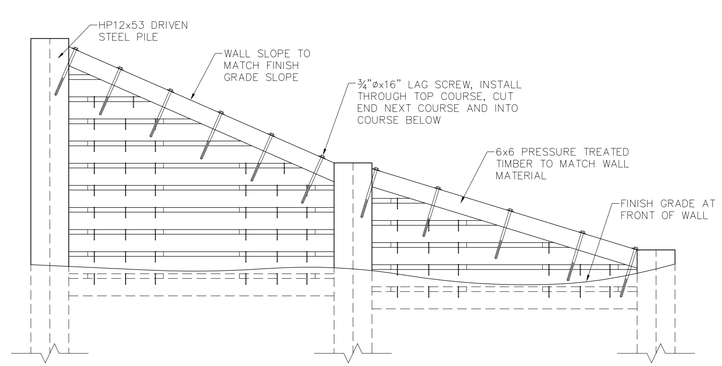
5 C3.0.2 LAGGING SUPPORT MEMBER
SCALE: 1 ½"=1'-0"



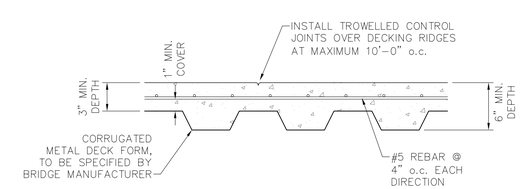
6 C3.0.2 RETAINING WALL CONNECTION
SCALE: 1"=1'-0"
SOUTH WING WALL



7 C3.0.2 RETAINING WALL CONNECTION
SCALE: ¾"=1'-0"
SOUTHEAST WING WALL



8 C3.0.2 TOP OF LAGGING DETAIL
SCALE: ½"=1'-0"
TIMBER RETAINING WALLS



NOTE:
DECK PAN TO BE CROSS SLOPED AT 1% TO MATCH FINISHED CROSS SLOPE OF PATHWAY SURFACE.

9 C3.0.2 CONCRETE DECK SECTION
SCALE: 1 ½"=1'-0"

PLAN VERSION	DATE	DRAFTER	APPROVED
90% SUBMITTAL	8/10/2010	jm	
PHASE 3A BID DOCUMENTS	10/15/2010	jm	
PHASE 3B BID DOCUMENTS	11/17/2010	jm	

SHEET TITLE:
PATHWAY DETAILS
RETAINING WALL

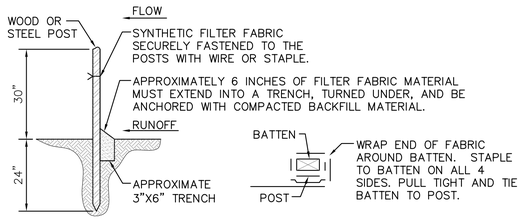
PROJECT TITLE:
JH Community Pathways
North Highway 89 Pathway
Phase 3B Bid Documents
Teton County, Wyoming

JORGENSEN ASSOCIATES, P.C.
Engineering • Land Surveying • Planning
P.O. Box 9550, 270 East Simpson Ave, Jackson, Wyoming 83002
(307) 733-5150 FAX (307) 733-5187
E-mail: ja@jorgensenassociates.com

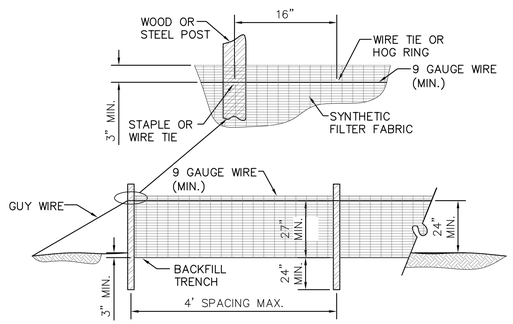
PROJECT NUMBER
09019.16

SHEET
C3.0.2

Plotted by jmorin on Nov 11, 2010 - 2:33pm
H:\2009\09019\Acad\Sheets_Phase 3B Construction\09019_C301_P3-DETAILS.dwg



STAKING DETAIL

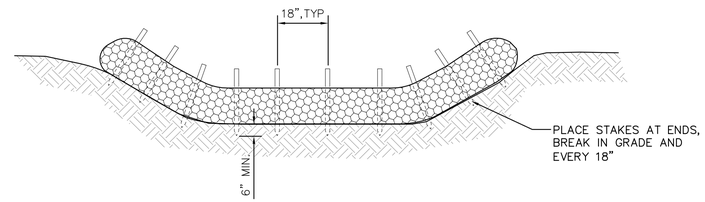


SILT FENCE

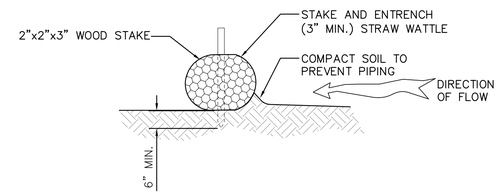
NOTES:

1. TIE WIRES TO LAP FOR LONG FENCES AND TO BE GUYED TO GROUND WITH 24"X2"X2" HARDWOOD STAKE OR TO POST BOTTOM EVERY 4 SPANS.
2. SILT FENCE LOCATED ADJACENT TO ALL WETLAND AREAS.
3. TURN ENDS OF SILT FENCE UP TO CAPTURE RUNOFF WHEN END OF SILT FENCE IS LOCATED AT A LOW POINT.

1 C3.0.3 SILT FENCE
SCALE: NTS

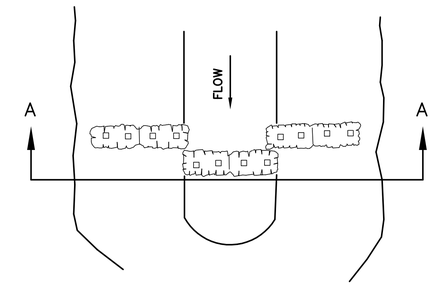


FRONT VIEW

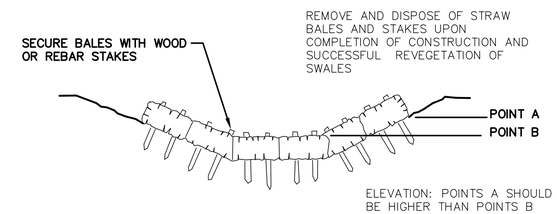


SECTION VIEW

2 C3.0.3 STRAW WATTLE BARRIER
SCALE: NTS



PLAN VIEW

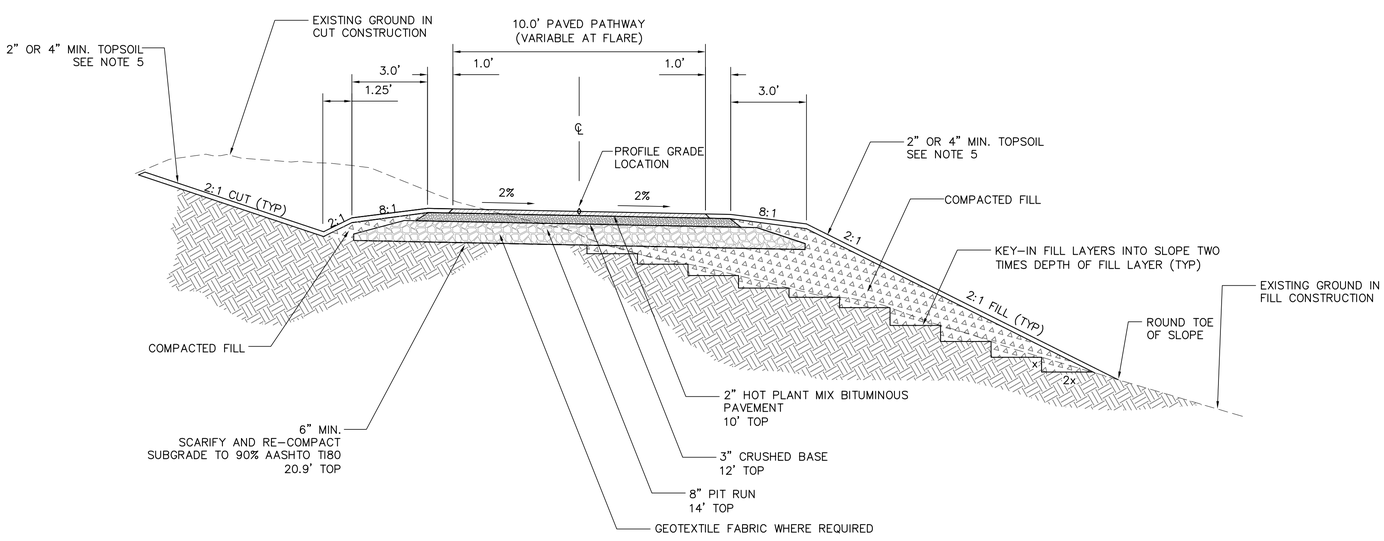


SECTION A–A

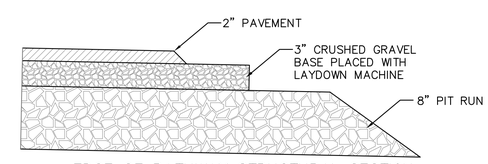
3 C3.0.3 TEMPORARY STRAW BALE BARRIER
SCALE: NTS

NOTES:

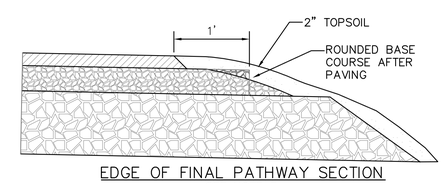
1. CRUSHED GRAVEL SHALL BE PLACED WITH LAYDOWN MACHINE TO FULL 12' WIDTH.
2. AFTER PAVING, GRAVEL SHOULDER SHALL BE ROUNDED TO ALLOW FOR EFFECTIVE TOPSOILING OF GRAVEL EDGES.
3. KEY–IN FILL LAYERS INTO SLOPE TWO TIMES DEPTH OF FILL LAYER.
4. 2" MINIMUM TOPSOIL LAYER REQUIRED ON PATHWAY SHOULDERS, 4" MINIMUM TOPSOIL LAYER REQUIRED ON CUT AND FILL SLOPES.
5. CLEAR ZONE FOR HIGHWAYS OVER 6000 ADT, 55 MPH DESIGN SPEED, AND 6:1 FORESLOPES REQUIRE 22' MINIMUM CLEAR ZONE ACCORDING TO AASHTO 2002 ROADSIDE DESIGN GUIDELINES. IF FORESLOPES ARE 4:1 OR 5:1 CLEAR ZONE IS 26 FEET.



4 C3.0.3 PATHWAY TYPICAL CROSS SECTION
SCALE: NTS
WIDE SHOULDER SECTION
STA 81+63 TO STA 82+92.64



EDGE OF PATHWAY STRUCTURAL SECTION
PRIOR TO TOPSOILING



EDGE OF FINAL PATHWAY SECTION
SEE NOTE 3

PLAN VERSION	DATE	DRAFTER	APPROVED
90% SUBMITTAL	8/10/2010	jm	
PHASE 3A BID DOCUMENTS	10/15/2010	jm	
PHASE 3B BID DOCUMENTS	11/17/2010	jm	

SHEET TITLE:
PATHWAY
TYPICAL PATHWAY SECT.
AND GRADING DETAILS

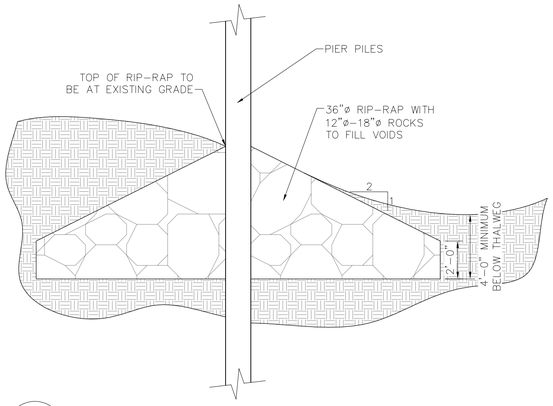
PROJECT TITLE:
JH Community Pathways
North Highway 89 Pathway
Phase 3B Bid Documents
Teton County, Wyoming

JORGENSEN ASSOCIATES, P.C.
Engineering • Land Surveying • Planning
P.O. Box 9550, 770 Smith Ave., Jackson, Wyoming 83002
(307) 733-5150 FAX (307) 733-5187
E-mail: ja@jorgensenassociates.com

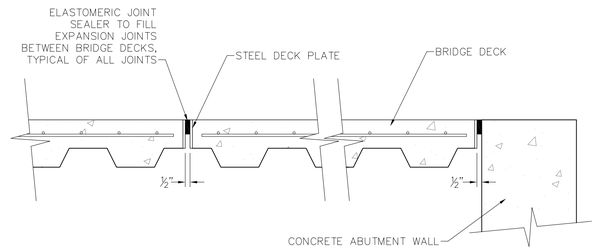
PROJECT NUMBER
09019.16

SHEET
C3.0.3

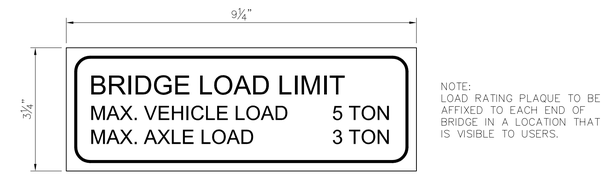
Plotted by jmann on Nov 11, 2010 – 2:33pm
H:\2009\09019\Acad\Sheets_Phase 3B Bid Documents\Phase 3B Construction\09019_C3D1_P3-DETAILS.dwg



1 C3.0.4 PIER RIP-RAP DETAIL
SCALE: ¼"=1'-0" TYP. OF BOTH PIERS

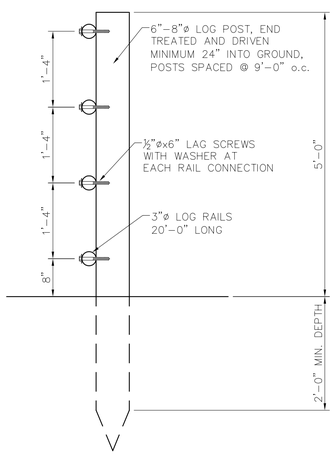


2 C3.0.4 EXPANSION JOINT DETAIL
SCALE: 1 ½"=1'-0"

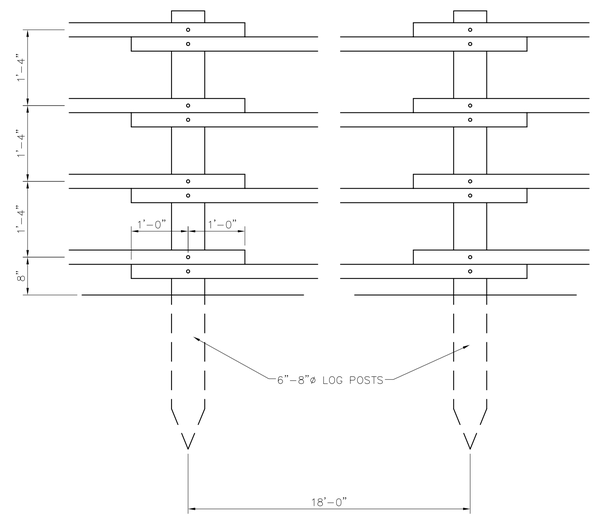


NOTE:
LOAD RATING PLAQUE TO BE AFFIXED TO EACH END OF BRIDGE IN A LOCATION THAT IS VISIBLE TO USERS.

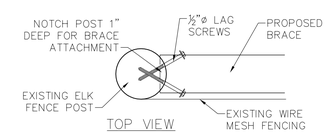
1 C3.0.4 BRIDGE LOAD PLAQUE
SCALE: 6"=1'-0"



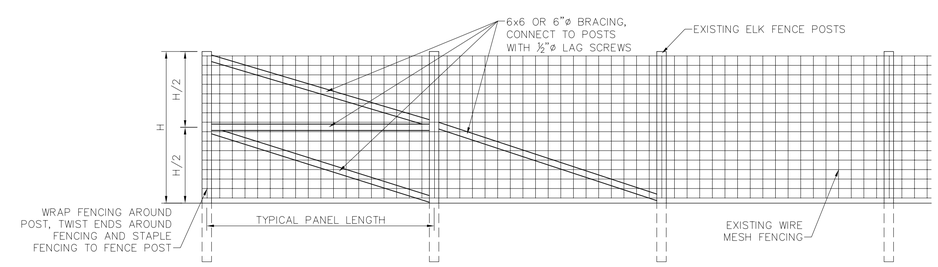
4 C3.0.4 POST AND RAIL FENCE DETAIL
SCALE: ¾"=1'-0" FENCE CROSS SECTION



5 C3.0.4 POST AND RAIL FENCE DETAIL
SCALE: ¾"=1'-0" FENCE ELEVATION



TOP VIEW



6 C3.0.4 END TREATMENT DETAIL
SCALE: ¼"=1'-0" ELK FENCE

PLAN VERSION	DATE	DRAFTER	APPROVED
90% SUBMITTAL	8/10/2010	jm	
PHASE 3A BID DOCUMENTS	10/13/2010	jm	
PHASE 3B BID DOCUMENTS	11/17/2010	jm	

SHEET TITLE:
PATHWAY DETAILS
MISCELLANEOUS

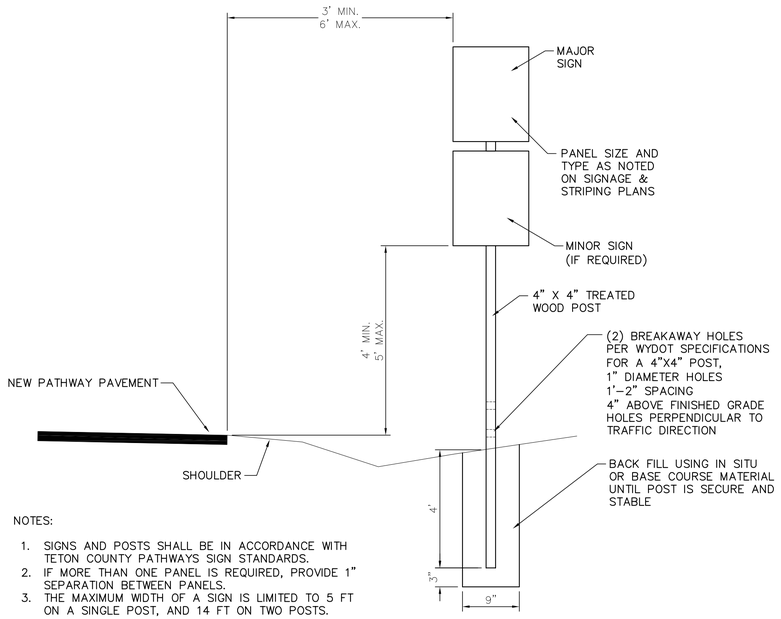
PROJECT TITLE:
JH Community Pathways
North Highway 89 Pathway
Phase 3B Bid Documents
Teton County, Wyoming

JORGENSEN ASSOCIATES, P.C.
Engineering • Land Surveying • Planning
P.O. Box 9550, 270 East Simpson Ave., Jackson, Wyoming 83002
(307) 733-5150 FAX (307) 733-5187
E-mail: ja@jorgensenassociates.com

PROJECT NUMBER
09019.16

SHEET
C3.0.4

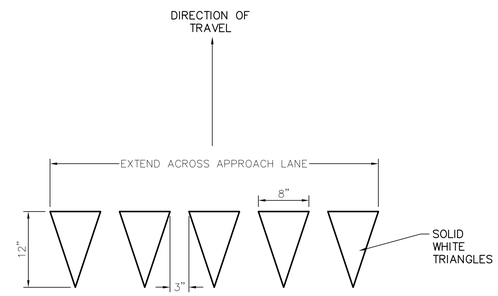
Plotted by jmann on Nov 11, 2010 - 2:33pm
H:\2009\09019\Acad\Sheets_Phase 3\Bid Documents\Phase 3B Construction\09019_C301_P3-DETAILS.dwg



NOTES:

1. SIGNS AND POSTS SHALL BE IN ACCORDANCE WITH TETON COUNTY PATHWAYS SIGN STANDARDS.
2. IF MORE THAN ONE PANEL IS REQUIRED, PROVIDE 1" SEPARATION BETWEEN PANELS.
3. THE MAXIMUM WIDTH OF A SIGN IS LIMITED TO 5 FT ON A SINGLE POST, AND 14 FT ON TWO POSTS.

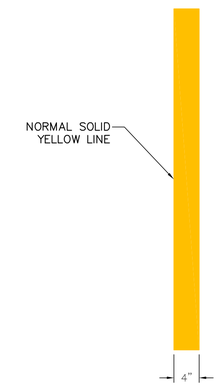
1 C3.1.1 PATHWAY SIGN DETAIL
SCALE: NTS



NOTES:

1. INCLUDE YIELD BAR AT EVERY YIELD SIGN LOCATION.

2 C3.1.1 PATHWAY YIELD BAR DETAIL
SCALE: NTS



PASSING NOT PERMITTED

3 C3.1.1 PATHWAY CENTERLINE STRIPING DETAIL
SCALE: NTS

PLAN VERSION	DATE	DRAFTER	APPROVED
90% SUBMITTAL	8/10/2010	jm	
PHASE 3A BID DOCUMENTS	10/13/2010	jm	
PHASE 3B BID DOCUMENTS	11/17/2010	jm	

SHEET TITLE:
PATHWAY DETAILS
SIGNING AND STRIPING

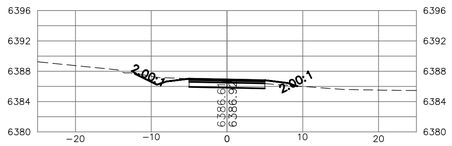
PROJECT TITLE:
JH Community Pathways
North Highway 89 Pathway
Phase 3B Bid Documents
Teton County, Wyoming

JORGENSEN ASSOCIATES, P.C.
Engineering • Land Surveying • Planning
P.O. Box 9550, 270 East Simpson Ave., Jackson, Wyoming 83002
(307) 733-5150 FAX (307) 733-5187
E-mail: ja@jorgensenassociates.com

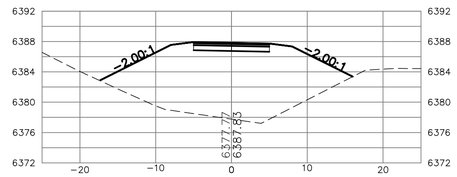
PROJECT NUMBER
09019.16

SHEET
C3.1.1

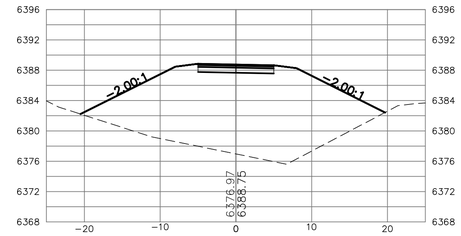
Plotted by jmann on Nov 11, 2010 - 2:33pm
H:\2009\09019\Acad\Sheets_Phase 3\Bid Documents\Phase 3B Construction\09019_C301_P3-DETAILS.dwg



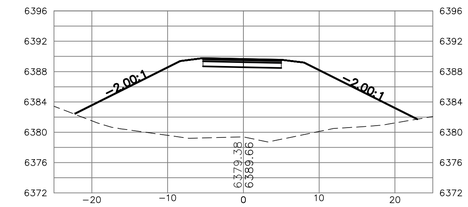
81+75



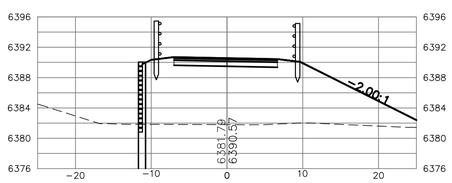
82+00



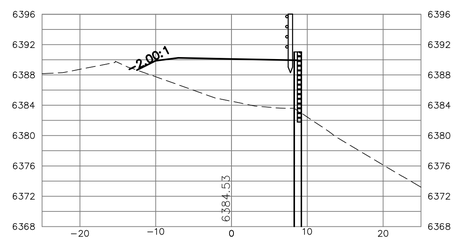
82+25



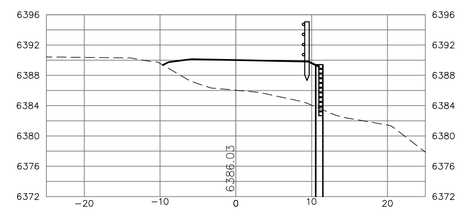
82+50



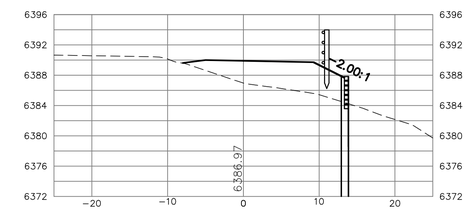
82+75



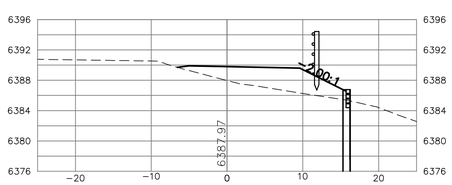
85+50



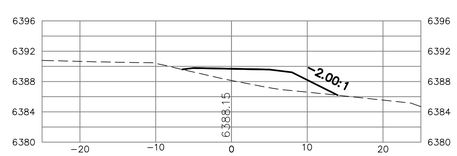
85+75



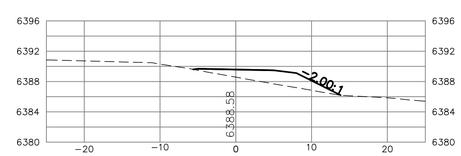
86+00



86+25



86+50



86+75

PLAN VERSION	DATE	DRAFTER	APPROVED
90% SUBMITTAL	8/10/2010	jm	
PHASE 3A BID DOCUMENTS	10/15/2010	jm	
PHASE 3B BID DOCUMENTS	11/17/2010	jm	

SHEET TITLE:
PATHWAY CROSS SECTIONS
STA: 81+63 TO STA: 86+78

PROJECT TITLE:
JH Community Pathways
North Highway 89 Pathway
Phase 3B Bid Documents
Teton County, Wyoming

JORGENSEN ASSOCIATES, P.C.
Engineering • Land Surveying • Planning
P.O. Box 9550 (770 Smith Ave.) Jackson, Wyoming 83002
(307) 733-5150 FAX (307) 733-5187
E-mail: ja@jorgensenassociates.com

PROJECT NUMBER
09019.16

SHEET
C4.0.1

Plotted by jmann on Nov 11, 2010 - 2:35pm
C:\DOCUME~1\jmann\LOCALS~1\Temp\AcPublish_2852\09019_P3_PLAN SHEETS.dwg