



Sta 0+00
N 4715.0
E 4370.0

Sta 0+15
Begin Bank Shaping

North Edge of Railroad Berm

RP-1

Sta. 1+80
31' Lt.
Rock Vane #1
Length: 40'
Height: 5'
Angle: 30°
Streambed Key:
35' x 4' x 3'

Sta. 3+60
26' Lt.
Rock Vane #2
Length: 40'
Height: 5'
Angle: 30°
Streambed Key:
35' x 4' x 3'

Sta. 0+15
to 9+10
14' to 29' Lt.
LPSTP #1
Length: 895'
Height: 3'
Keys: 40' x 4' x 3'
up-stream
30' x 4' x 3'
down-stream

REFERENCE POINTS

TS-1
Sta 7+12.47
3.54' Left
N 5000.00
E 5000.00
Elev. 1066.00

RP-1
Sta 0+67.15
56.05' Right
N 4669.0074
E 4444.4058
Elev. 1070.27

RP-2
Sta 2+71.71
169.01' Right
N 4607.7318
E 4686.7038
Elev. 1067.52

Sta. 4+75
46' Rt.
Rock Chute
Length: 70'
Width: 12'
Depth: 3'
Key: 22' x 8' x 4'

Sta. 5+00
23' Lt.
Rock Vane #3
Length: 40'
Height: 5'
Angle: 30°
Streambed Key:
35' x 4' x 3'

Sta 5+28.5
N 4870.0
E 4870.0

Sta 5+67.9
N 4895.0
E 4900.0

Sta. 6+50
34' Lt.
Rock Vane #4
Length: 40'
Height: 5'
Angle: 30°
Streambed Key:
35' x 4' x 3'

Sta 6+45.3
N 4950.0
E 4955.0

Sta 7+51.4
N 5025.0
E 5030.0

Sta. 7+80
31' Lt.
Rock Vane #5
Length: 40'
Height: 5'
Angle: 30°
Streambed Key:
35' x 4' x 3'

Sta 8+87.5
N 5130.0
E 5115.0

Sta. 9+10
35' Lt.
Rock Vane #6
Length: 40'
Height: 5'
Angle: 30°
Streambed Key:
35' x 4' x 3'

Sta 10+25.4
N 5225.0
E 5215.0

LEGEND

- RP-1 Reference Point
1/2" IP
- TS-1 Total Station Location
- Slope indicator
- Cross Section Location
- Existing one foot contour
- Existing five foot contour
- New improvements
- Edge of Water
- Existing Edge of Trees

NOTE:
Construct berm that does not exceed one foot in height along top of bank to direct overland flow around the graded slope.

GENERAL NOTES

1. Structures locations to be field located and staked by The Watershed Institute.
2. Before any construction activity, the contractor is responsible for calling Kansas One Call at 800-344-7233 (800-DIG-SAFE).
3. Accepted Erosion Control practices will be applied to all disturbed areas.
4. Corps of Engineers 404 and applicable state permits will be obtained prior to project construction.
5. The information shown in these plans concerning type and location of underground utilities is not guaranteed to be accurate or all inclusive. Existing utilities and their locations, as shown on the plans, represent the best information obtained for the design. Location information has been obtained from the various utility companies and is either from company record drawings or company provided field locations. The plans locations shown are not guaranteed. Additional existing utilities may also be encountered. The contractor is responsible for making his own determinations as to the type and location of underground utilities as may be necessary to avoid damage thereto.
6. Contractor shall maintain construction limits within the existing and/or proposed rights-of-way and easements.
7. The engineer has not performed property or right-of-way surveys for any of the locations shown on this project. Right-of-way or property lines shown on the plans are approximate and are shown for general orientation only. Property corners or other survey markers have not been located. Unless specifically called out on the plans.
8. Coordinates for this project are not associated with any known survey or coordinate system.
9. Do not remove any trees larger than 12" DBH or over 50' tall.
10. Existing topographic information is not available. Soil moving calculation are based on available information. Contractor shall inspect the site and make an evaluation of existing conditions. Actual soil moving will be based on truck load tickets (or field measurement after construction or as-built survey).
11. Material available for bank shaping is a silty loam according to the NRCS Soil Maps.

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INSTITUTE
1200 SW Executive Dr., Topeka, Kansas 66615 786-572-2252

NEOSHO RIVER, KANSAS
LYON COUNTY, KANSAS
CHARLES WILHITE
SITE 19 PLAN SHEET



DESIGNED	BAE
DRAWN BY:	JAG
APPROVED BY:	JNB
DESIGN PROJ:	14668.060
CONST	-----
SCALE:	AS NOTED
DATE:	12/16/2009
DRAWING NO:	CO2
SHEET NO:	2 of 4