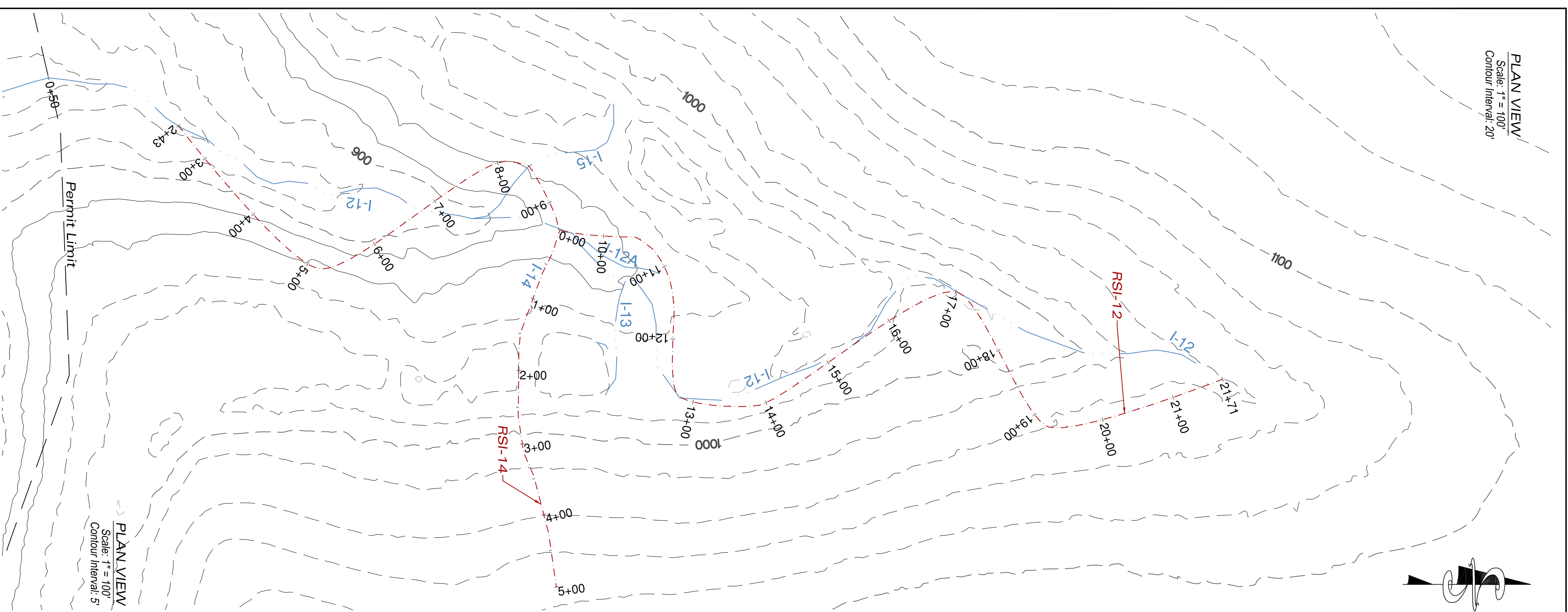
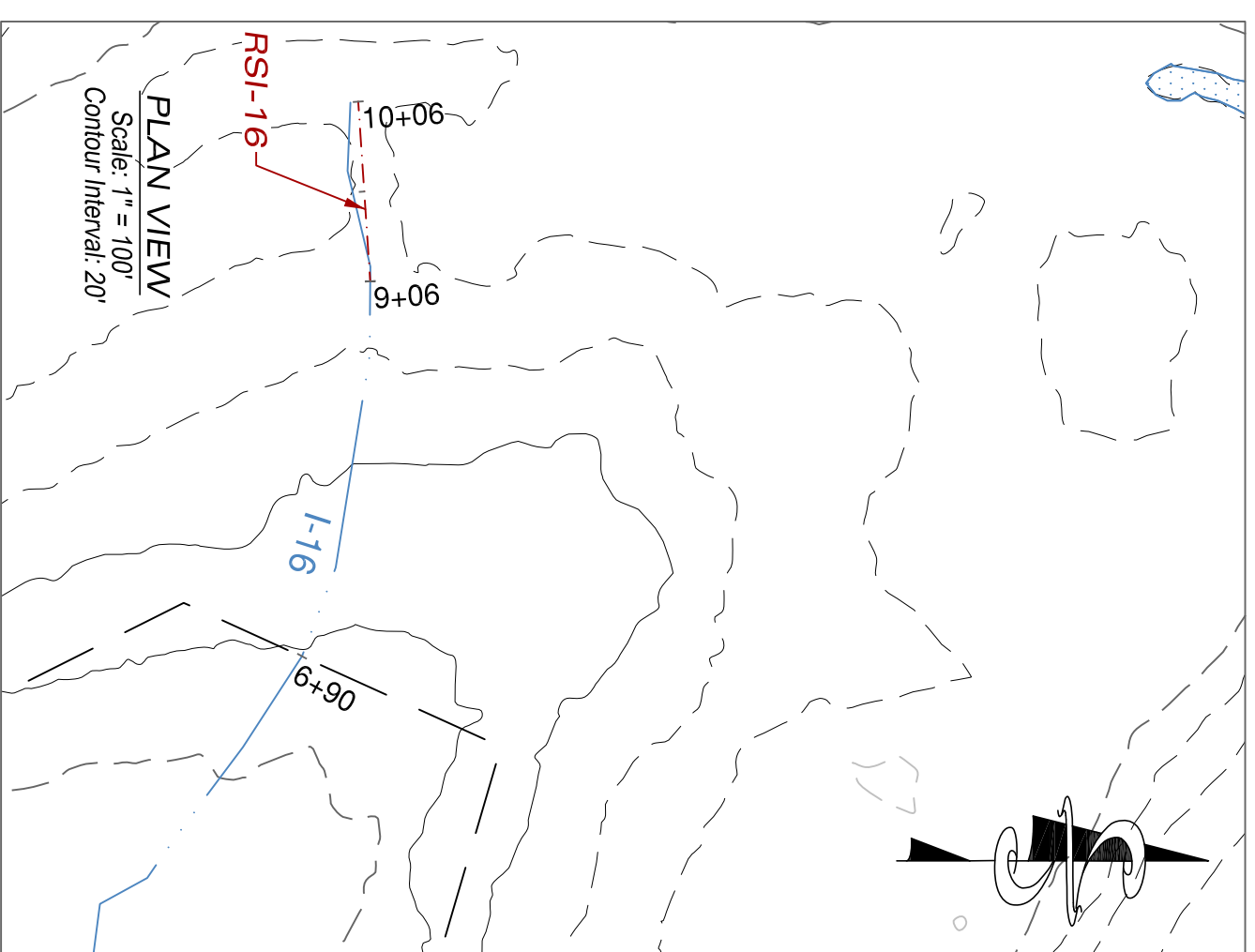


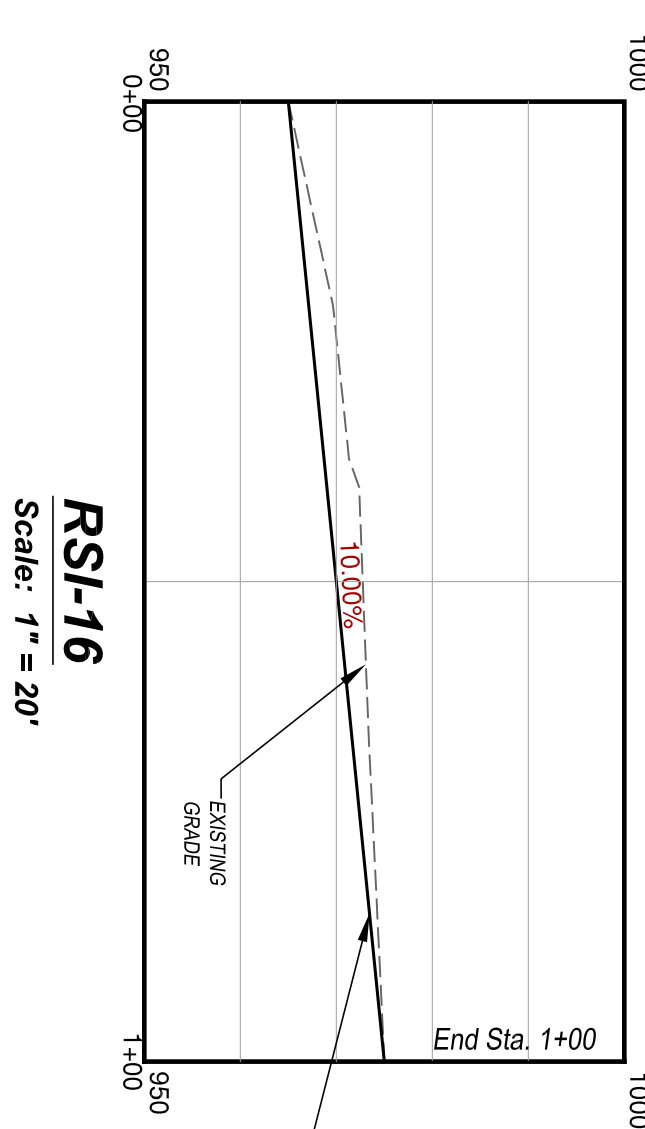
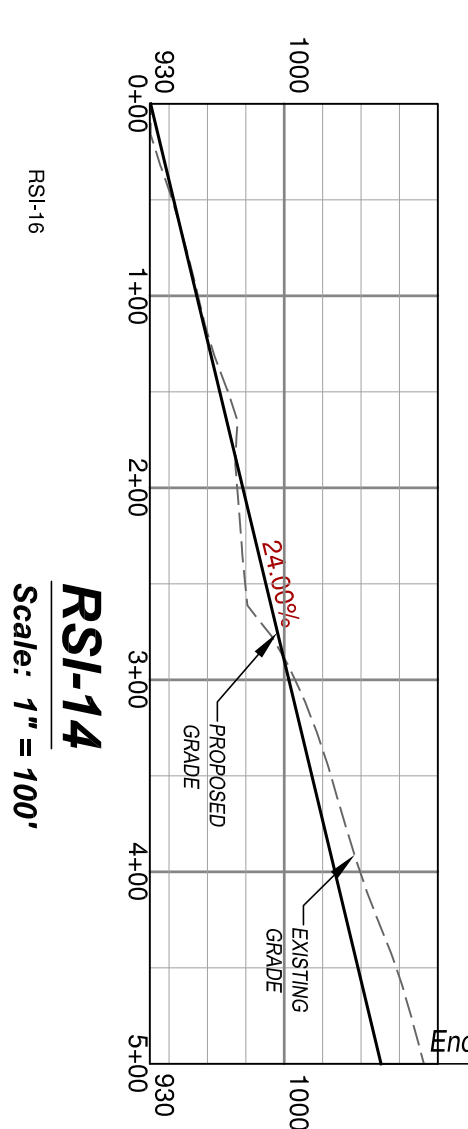
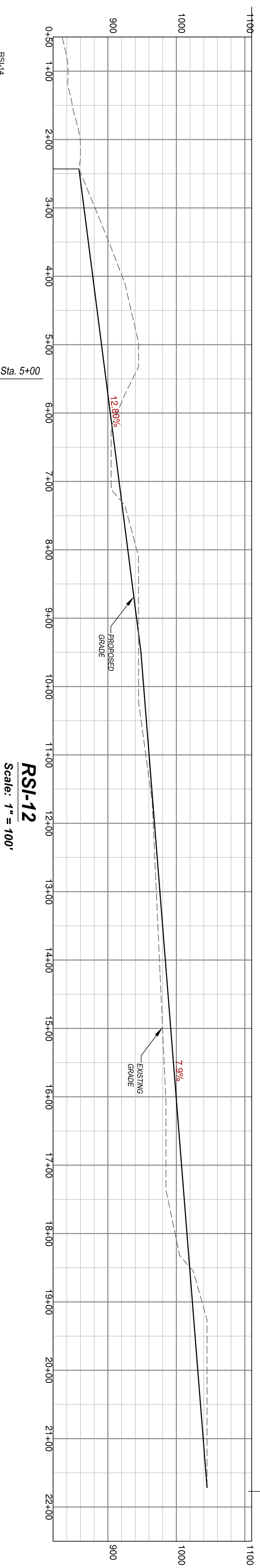
PLAN VIEW
Scale: 1" = 100'
Contour Interval: 20'



PLAN VIEW
Scale: 1" = 100'
Contour Interval: 5'



END STA. 21+26.0



STREAM CHANNEL	RECONSTRUCTION STATIONS	IMPACTED CHANNEL NUMBER	IMPACTED CHANNEL LENGTH	RECONSTRUCTED CHANNEL STATIONS	RECONSTRUCTED CHANNEL LENGTH
L-12	2+43 TO 18+91	1648		2+43 TO 21+71	1928
L-12A	0+00 TO 1+20	120		-	-
L-13	0+00 TO 1+00	160		-	-

STREAM CHANNEL	RECONSTRUCTION STATIONS	CLARE NUMBER	DRAINAGE AREA (Acres)	STORM DESIGN	DESIGN (CFS)	SLOPE	SIDE SLOPES	FLOW DEPTH	FLOW WIDTH	BOTTOM WIDTH	FREE BOARD	TOTAL DEPTH	TOP WIDTH	VELOCITY (Ft./Sec.)	CHANNEL LINING	ROCK THICKNESS	ROCK SIZE	D/SO
RSI-12	2+43 TO 9+50	79	54.6	100 Y/6 B	95.7	12.8%	2:1	1.34'	5.0'	0.5'	1.84'	12.37'	9.3	Rock Riprap	21"	9"	9"	

* Measured including freboard.

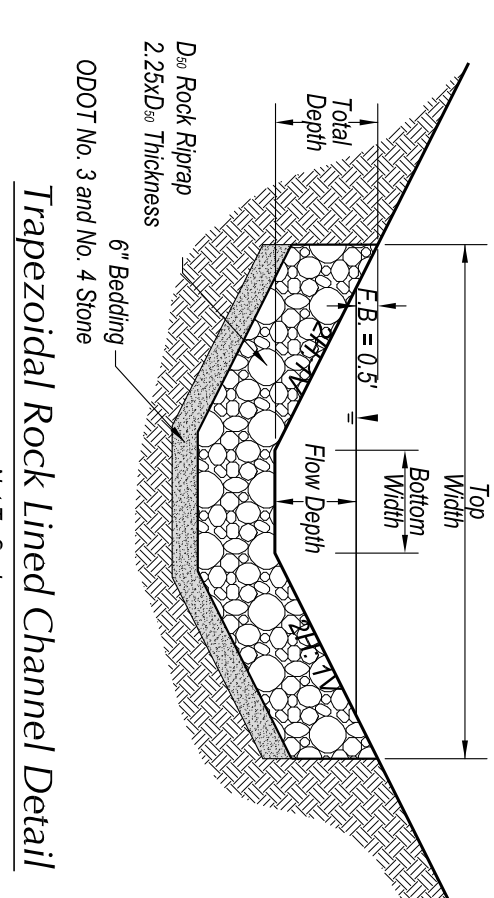
STREAM CHANNEL	RECONSTRUCTION STATIONS	CLARE NUMBER	DRAINAGE AREA (Acres)	STORM DESIGN	DESIGN (CFS)	SLOPE	SIDE SLOPES	FLOW DEPTH	FLOW WIDTH	BOTTOM WIDTH	FREE BOARD	TOTAL DEPTH	TOP WIDTH	VELOCITY (Ft./Sec.)	CHANNEL LINING	ROCK THICKNESS	ROCK SIZE	D/SO
RSI-14	0+00 TO 5+00	79	50	100 Y/6 B	14.8	24.0%	2:1	0.39'	5.0'	0.5'	0.89'	8.57'	6.5	Rock Riprap	14"	6"	6"	

* Measured including freboard.

STREAM CHANNEL	RECONSTRUCTION STATIONS	CLARE NUMBER	DRAINAGE AREA (Acres)	STORM DESIGN	DESIGN (CFS)	SLOPE	SIDE SLOPES	FLOW DEPTH	FLOW WIDTH	BOTTOM WIDTH	FREE BOARD	TOTAL DEPTH	TOP WIDTH	VELOCITY (Ft./Sec.)	CHANNEL LINING	ROCK THICKNESS	ROCK SIZE	D/SO
RSI-16	9+06 TO 10+06	79	8.6	100 Y/6 B	23.5	10.0%	2:1	1.30'	5.0'	0.5'	1.70'	11.80'	6.7	Rock Riprap	9"	6"	6"	

* Measured including freboard.

STREAM CHANNEL	RECONSTRUCTION STATIONS	CLARE NUMBER	DRAINAGE AREA (Acres)	STORM DESIGN	DESIGN (CFS)	SLOPE	SIDE SLOPES	FLOW DEPTH	FLOW WIDTH	BOTTOM WIDTH	FREE BOARD	TOTAL DEPTH	TOP WIDTH	VELOCITY (Ft./Sec.)	CHANNEL LINING	ROCK THICKNESS	ROCK SIZE	D/SO
RSI-16	9+06 TO 10+06	79	8.6	100 Y/6 B	23.5	10.0%	2:1	1.30'	5.0'	0.5'	1.70'	11.80'	6.7	Rock Riprap	9"	6"	6"	



OXFORD MINING COMPANY, LLC.
Stream Reconstruction Plan
RSI-12, 14 & 16

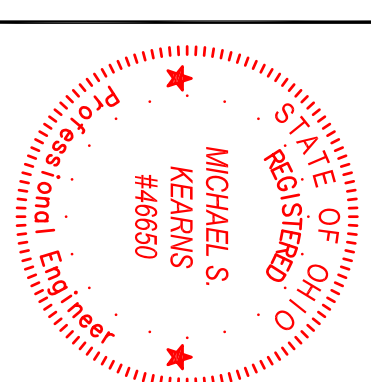
SECTIONS: 15, 16, 21 & 22
TWP - WELLS COUNTY: JEFFERSON
SCALE: AS NOTED CONTOUR INTERVAL: 20'
DATE PREPARED: SEPTEMBER 20, 2007 COMM # - 881-27-ELLS

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NO.	DATE	REVISIONS	BY	CHKD

SR-5
SHEET



Michael S. Kearns, P.E., R.L.S.