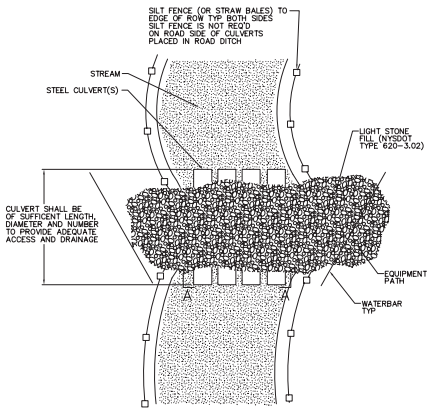
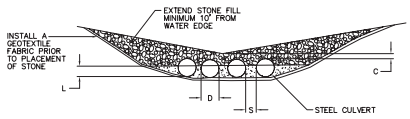


PLAN VIEW



L = WATER LEVEL AT NORMAL FLOW
D = PIPE DIAMETER = 2 X L (1'-0" MINIMUM)
C = COVER DEPTH (APPROXIMATELY 10" TO 1'-6")
S = SPACING WIDTH (APPROXIMATELY 0.5 D)

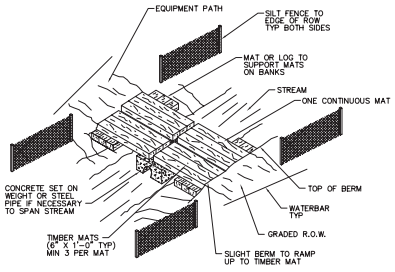
SECTION A–A

NOTE:

1. USE AS MANY CULVERTS AS NECESSARY WITH PIPES SPACED A MINIMUM OF 1'=0" OR HALF THEIR DIAMETER APART.

1 CULVERT WITH CRUSHED STONE BRIDGE

SCALE: N.T.S.

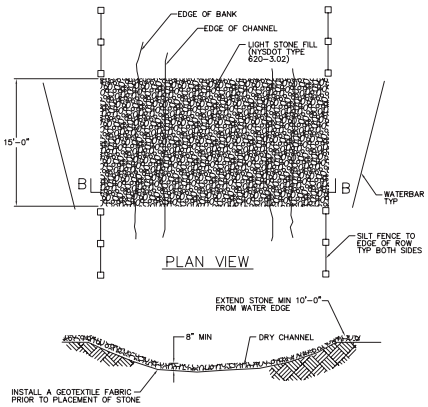


NOTES:

1. THERE IS TO BE NO UNNECESSARY MOVEMENT OF EQUIPMENT THROUGH WATER.
2. TIMBER MATS TO BE POSITIONED TO RUN FROM TOP OF BANK TO TOP OF BANK.
3. TIMBER MATS SHALL BE CLEANED OF SEDIMENT PRIOR TO EACH INSTALLATION.

2 TIMBER MAT BRIDGES

SCALE: N.T.S.

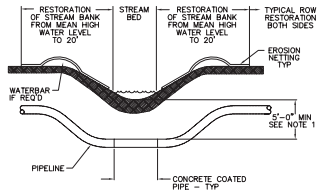


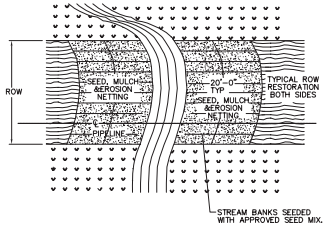
PLAN VIEW

SECTION B–B

3 ROCK FOR DRY OR INTERMITTENT CHANNEL

SCALE: N.T.S.

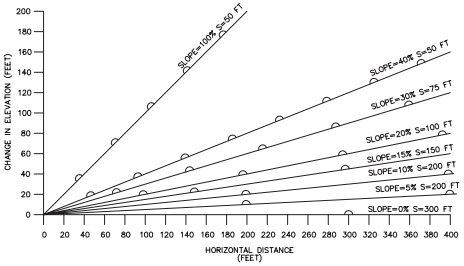




NOTES:
1. IN AREAS WHERE BEDROCK IS ENCOUNTERED THE MINIMUM DEPTH TO THE TOP OF PIPE SHALL BE 3 FEET.

4 SEED, MULCH, AND EROSION NETTING

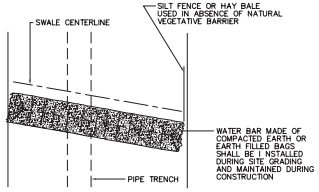
SCALE: N.T.S.



NOTE: S = WATERBAR SPACING

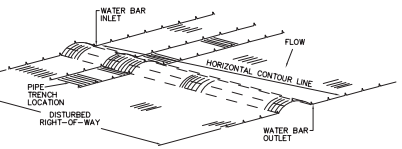
5 WATERBAR SPACING

SCALE: N.T.S.



8 OVERHEAD VIEW OF WATERBAR AND SILT FENCE

SCALE: N.T.S.



4% SLOPE CHART	
HORIZONTAL DISTANCE BETWEEN WATER BAR INLET & OUTLET (FEET)	ELEVATION DISTANCE BETWEEN WATER BAR INLET & OUTLET (FEET)
75	3
100	4
125	5
150	6
175	7

NOTES:

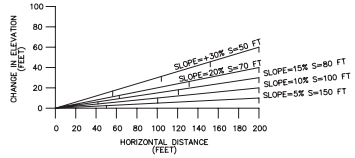
1. SPACE WATERBARS AS INDICATED IN TABLE OR AS DIRECTED BY NYSEG FIELD REPRESENTATIVE.

6 WATERBAR DETAIL

SCALE: N.T.S.

NOTES:

1. WATERBARS ARE TO BE SPACED ALONG THE RIGHT-OF-WAY IN ACCORANCE WITH WATERBAR SPACING CHART OR AS DIRECTED BY NYSEG REPRESENTATIVE.
2. WATER SHALL BE DIVERTED OFF THE DISTURBED RIGHT-OF-WAY AT AN OUTSLOPE OF THREE TO FIVE PERCENT BY CONSTRUCTING WATERBARS ACCORDING TO THE FOLLOWING PROCEDURE:
   A. AT THE PROPOSED WATERBAR INTERCEPTOR LOCATION ESTABLISH A HORIZONTAL CONTOUR LINE (USING A POCKET TRANSIT OR HAND HELD LEVEL) WHICH EXTENDS COMPLETELY ACROSS THE DISTURBED RIGHT-OF-WAY. THIS LINE WILL ALWAYS BE PERPENDICULAR TO THE DIRECTION OF WATER FLOW AND SHOULD BE PARALLEL TO MAP CONTOURS SHOWN ON THE PLAN DRAWINGS.
   B. DETERMINE WHICH SIDE OF THE RIGHT-OF-WAY IS BEST SUITED FOR THE WATERBAR OUTLET (EVALUATE VEGETATION DENSITY, LOCAL TOPOGRAPHY, ETC.) AND DEVIATE WATERBARS AWAY FROM THE HORIZONTAL CONTOUR LINE SLIGHTLY DOWNWARD TOWARD THE SELECTED OUTLET SIDE MAINTAINING A THREE TO FIVE PERCENT OUT SLOPE.
   C. WHEN OUTLETING NEAR WATER BODIES, STREAMS, DITCHES AND CROP FIELDS, A SILT FENCE OR HAY BALES SHALL BE PLACED ON THE OUTLET END OF THE INTERCEPT WATERBAR.
3. PERMANENT TRENCH BREAKER SANDBAGS SHALL NOT BE FILLED WITH TOPSOIL.
4. SPACING SHOWN ARE RECOMMENDED GUIDELINES. NYSEG REPRESENTATIVE MAY ADJUST SPACING IN THE FIELD.
5. ONE TRENCE BREAKER IS REQUIRED AT ALL STREAM BANKS AND AT WETLAND BOUNDARIES.



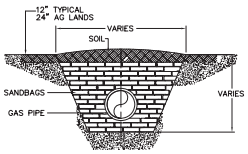
NOTE: S = TRENCH BREAKER SPACING

NOTES:

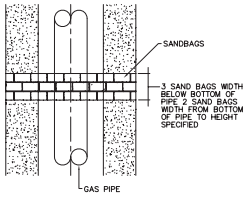
1. PERMANENT TRENCH BREAKER SANDBAGS SHALL NOT BE FILLED WITH TOPSOIL.
2. SPACINGS SHOWN ARE RECOMMENDED GUIDELINES. NYSEG REPRESENTATIVE MAY ADJUST SPACING IN THE FIELD.
3. ONE TRENCH BREAKER IS REQUIRED AT ALL STREAM BANKS AND AT WETLAND BOUNDARIES.

7 PERMANENT TRENCH BREAKER SPACING GUIDELINE

SCALE: N.T.S.



PROFILE VIEW



PLAN VIEW

9 PERMANENT TRENCH BREAKER

SCALE: N.T.S.

No.	Submittal / Revision	App'd	By	Date
0	ISSUED FOR BID	JH	DDL	06/20/12
1	FINAL-ISSUED FOR BID	JH	GJM	8/1/12

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Designed: JH | Drawn: DDL | Checked: JH

SENECA WEST PIPELINE INTERCONNECT
SITE DETAILS

Issue Date: 04/20/12 | Project No.: 22867 | Scale: AS SHOWN

DWG NO:
6172-5202
SHEET 13 OF 29

File: V:\PROJECTS\ANY\VC\22867\DATA\OTHER\BASE DRAWINGS_11093\SENECA-13.MID, CHA.DWG
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