* IF ACCESS PRECLUDES LIVE WILLOW TRANSPLANTS LIVE STAKE AT 1.0' ON CENTER AROUND UPPER VANE ARM AND SILL.

NOTES:

1.) REACHES THAT ARE CURRENTLY DEGRADED MUST BE FILLED TO THE EXISTING FLOODPLAIN ELEVATION. THE ROCK CROSS VANE SHALL THEN BE CONSTRUCTED IN COMPACTED FILL MATERIAL.

2.) BOULDERS SHALL BE BLOCK SHAPED ACCORDING TO SPECIFICATIONS (NOT ANGULAR).

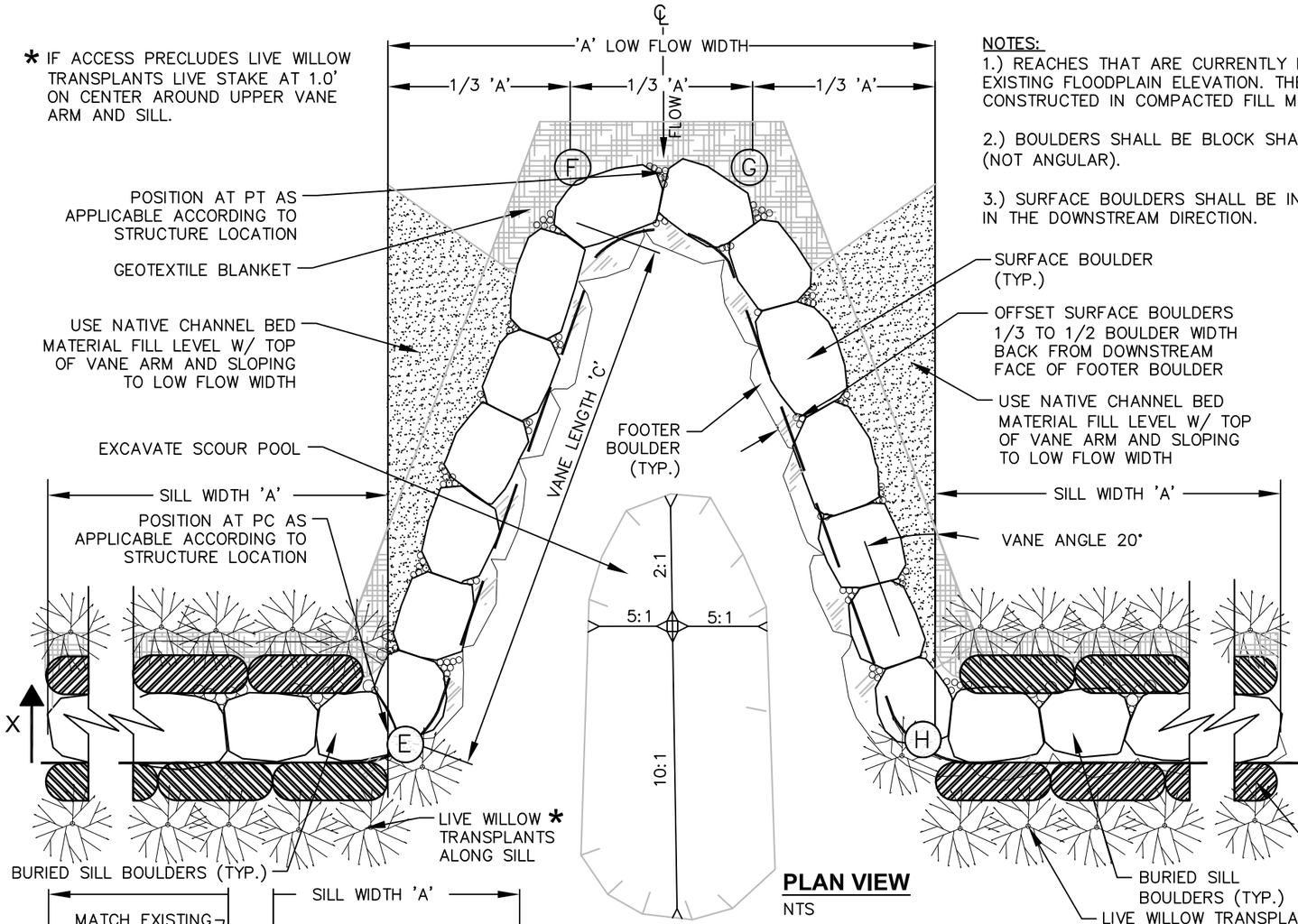
3.) SURFACE BOULDERS SHALL BE IN COMPRESSION W/ FOOTER BOULDERS IN THE DOWNSTREAM DIRECTION.

NOTE:

(E) AND (H) LOW FLOW FLOOD ELEVATION

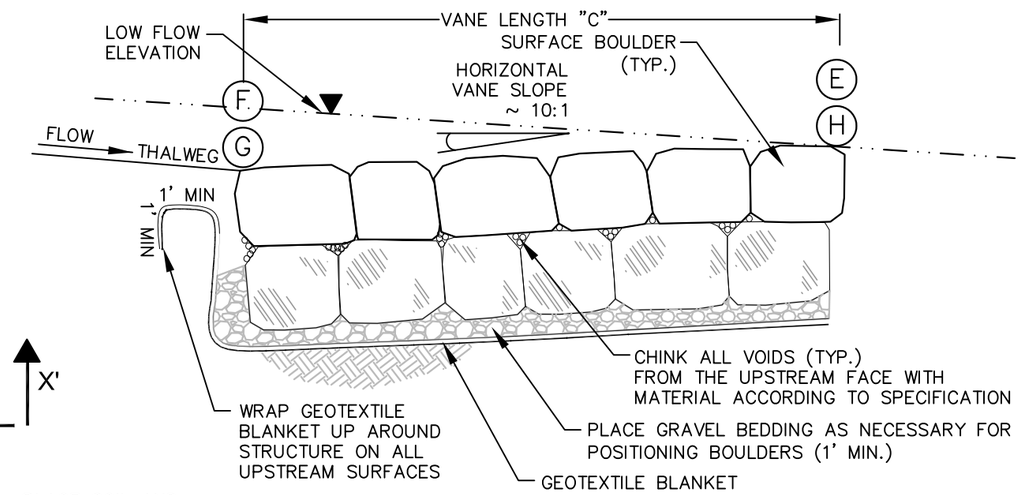
(F) AND (G) MARK VANE ELEVATION AT HEAD OF VANE

CONSTRUCTED ROCK CROSS VANE



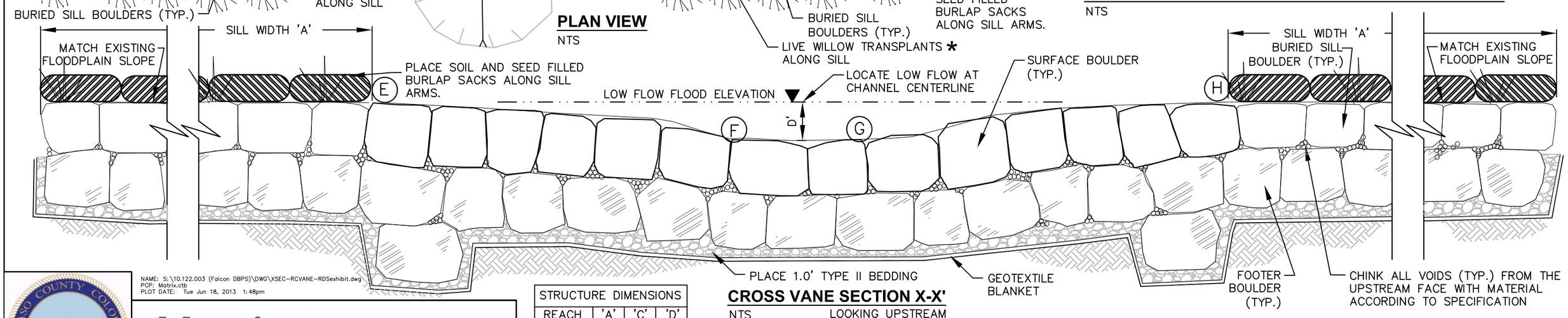
PLAN VIEW

NTS



CROSS VANE LONGITUDINAL PROFILE ALONG VANE

NTS



CROSS VANE SECTION X-X'

NTS LOOKING UPSTREAM

STRUCTURE DIMENSIONS			
REACH	'A'	'C'	'D'
RET120	29'	26'	1.3'
RET154	22'	20'	1.0'
RWT150	18'	16'	0.8'
RWT210	30'	26'	1.3'

NAME: S:\10.122.003 (Falcon DBPS)\DWG\XSEC-RCVANE-RDSexhibit.dwg
PCP: Matrix.ctb
PLOT DATE: Tue Jun 18, 2013 1:48pm

Matrix DESIGN GROUP
2435 Research Parkway, Suite 300
Colorado Springs, CO 80920
Phone 719-575-0100
Fax 719-575-0208

TYPICAL ROCK CROSS VANE DETAILS

FOR USE IN NATURAL CHANNEL DESIGN REACHES

NOT FOR CONSTRUCTION