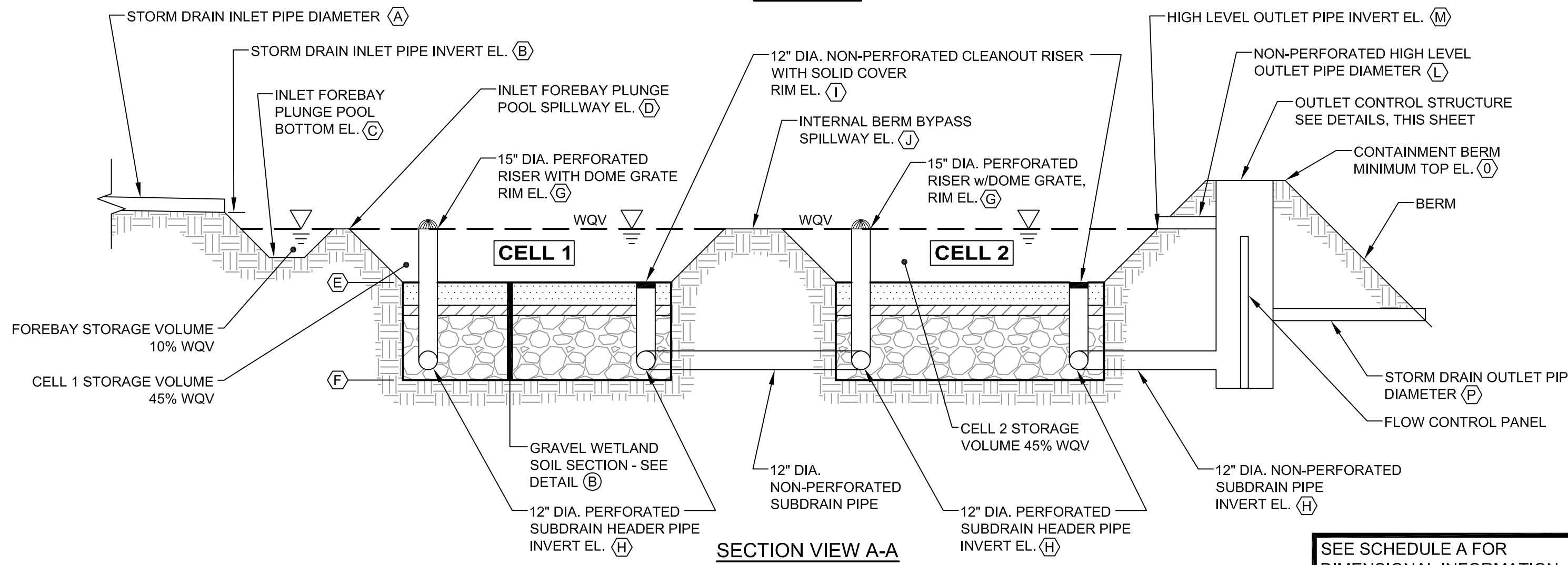


PLAN VIEW



SECTION VIEW A-A

A TYPICAL GRAVEL WETLAND BASIN DETAIL
N.T.S.

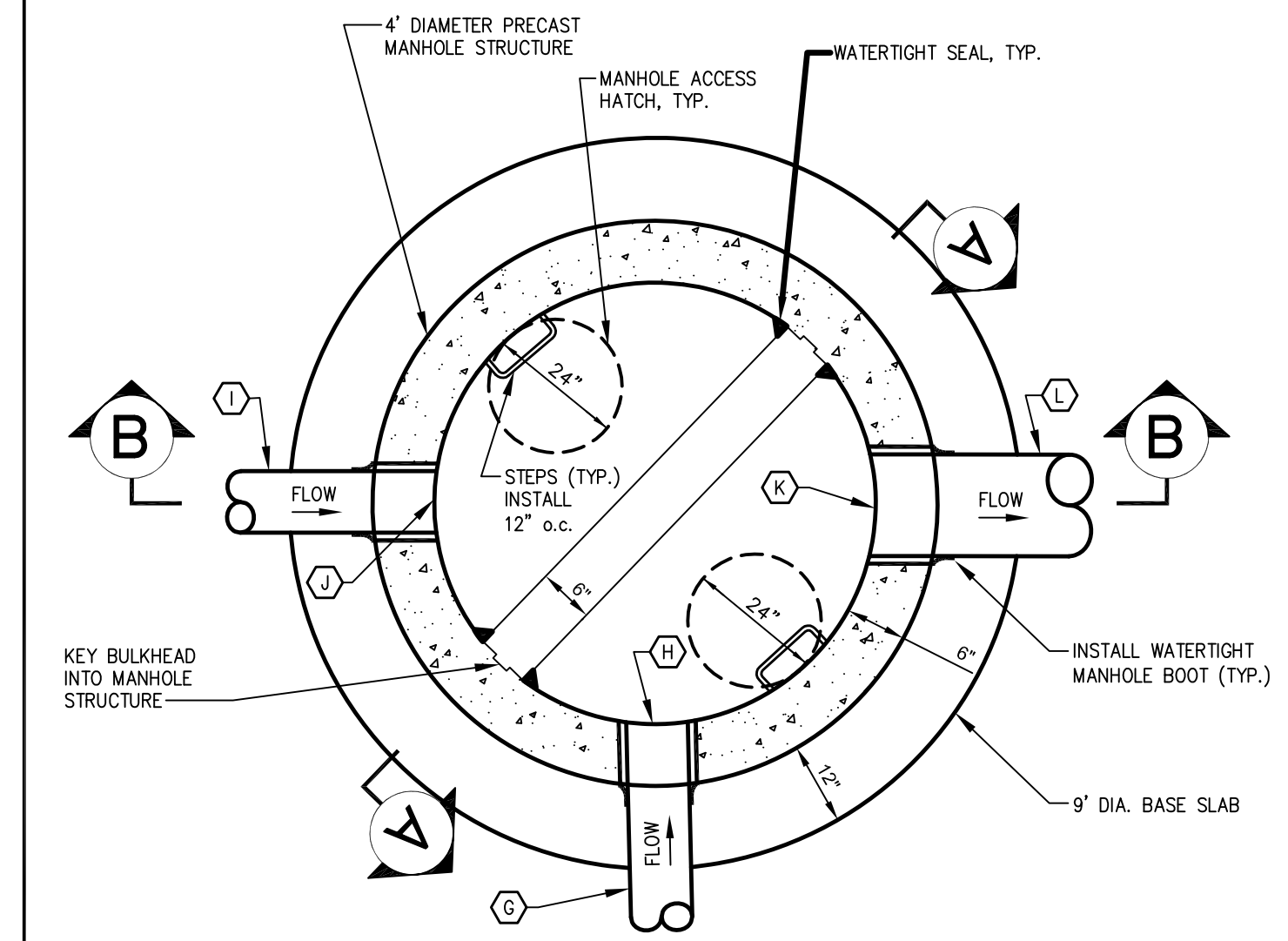
SEE SCHEDULE A FOR DIMENSIONAL INFORMATION FOR GRAVEL WETLAND BASIN CONSTRUCTION

SCHEDULE A - SUBSURFACE GRAVEL WETLANDS			
I.D.	DESCRIPTION	GRAVEL WETLAND BASIN #1	GRAVEL WETLAND BASIN #2
A	STORM DRAIN INLET PIPE DIA. (IN.)	N/A	N/A
B	STORM DRAIN INLET PIPE INVERT EL.	N/A	N/A
C	INLET FOREBAY PLUNGE POOL BOTTOM EL.	68.5	68.6
D	INLET FOREBAY PLUNGE POOL SPILLWAY EL.	69.5	69.5
E	GRAVEL WETLAND SURFACE EL.	68.5	68.5
F	GRAVEL WETLAND BOTTOM SUBGRADE EL.	65.58	65.58
G	15" DIAMETER RISER RIM EL.	69.5	69.5
H	12" DIAMETER SUBDRAIN HEADER PIPE INVERT EL.	65.83	65.83
I	12" DIAMETER CLEANOUT RIM EL.	68.5	68.5
J	INTERNAL BERM BYPASS SPILLWAY EL.	69.0	69.0
K	INTERNAL BERM MINIMUM TOP EL.	70.0	70.0
L	HIGH LEVEL OUTLET PIPE DIAMETER (IN.)	TBD	TBD
M	HIGH LEVEL OUTLET PIPE INVERT EL.	TBD	TBD
N	EMERGENCY SPILLWAY CHANNEL EL.	TBD	TBD
O	CONTAINMENT BERM MINIMUM TOP EL.	70.0 (MIN)	70.0 (MIN)
P	STORM DRAIN OUTLET PIPE DIAMETER	12"	12"

NOTE: TABLE INCOMPLETE FOR PRELIMINARY SUBMISSION

USE THIS SCHEDULE FOR DETAIL A

D SCHEDULE A SUBSURFACE GRAVEL WETLANDS
N.T.S.



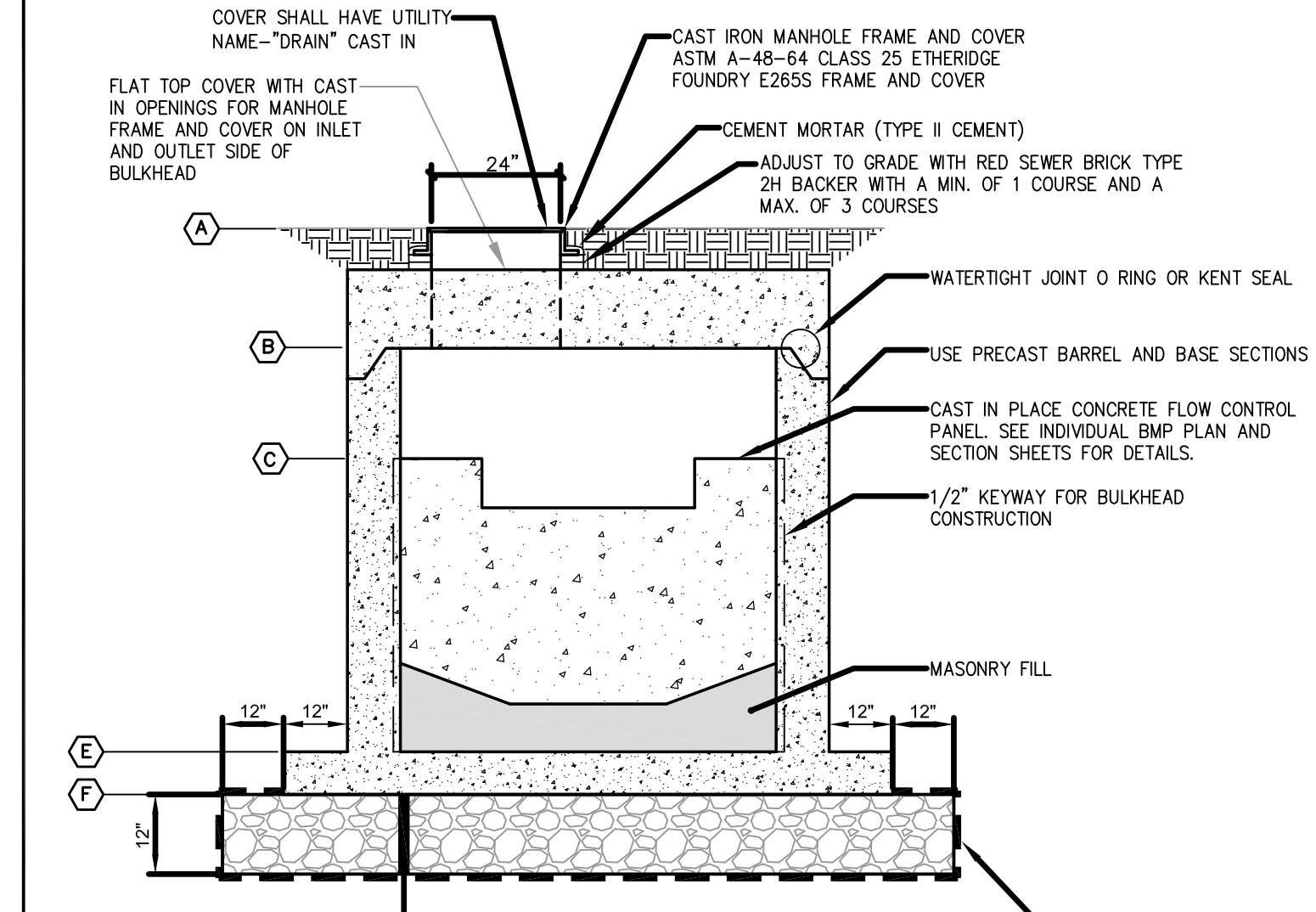
F OUTLET CONTROL STRUCTURE PLAN VIEW
N.T.S. SEE SCHEDULE B

SCHEDULE B OUTLET CONTROL STRUCTURE		
ITEM DESCRIPTION	DIMENSION/ELEVATION	
	GRAVEL WETLAND #1	GRAVEL WETLAND #2
A	TOP OF STRUCTURE	-
B	UNDERSIDE TOP SLAB	-
C	TOP CONCRETE BULKHEAD	-
D	NOT USED	---
E	BOTTOM OF SUMP	-
F	BOTTOM OF STRUCTURE	-
G	INLET PIPE DIAMETER	-
H	INVERT IN (UD)	-
I	INLET PIPE DIAMETER	-
J	INVERT IN	-
K	INVERT OUT	-
L	OUTLET PIPE DIAMETER	-

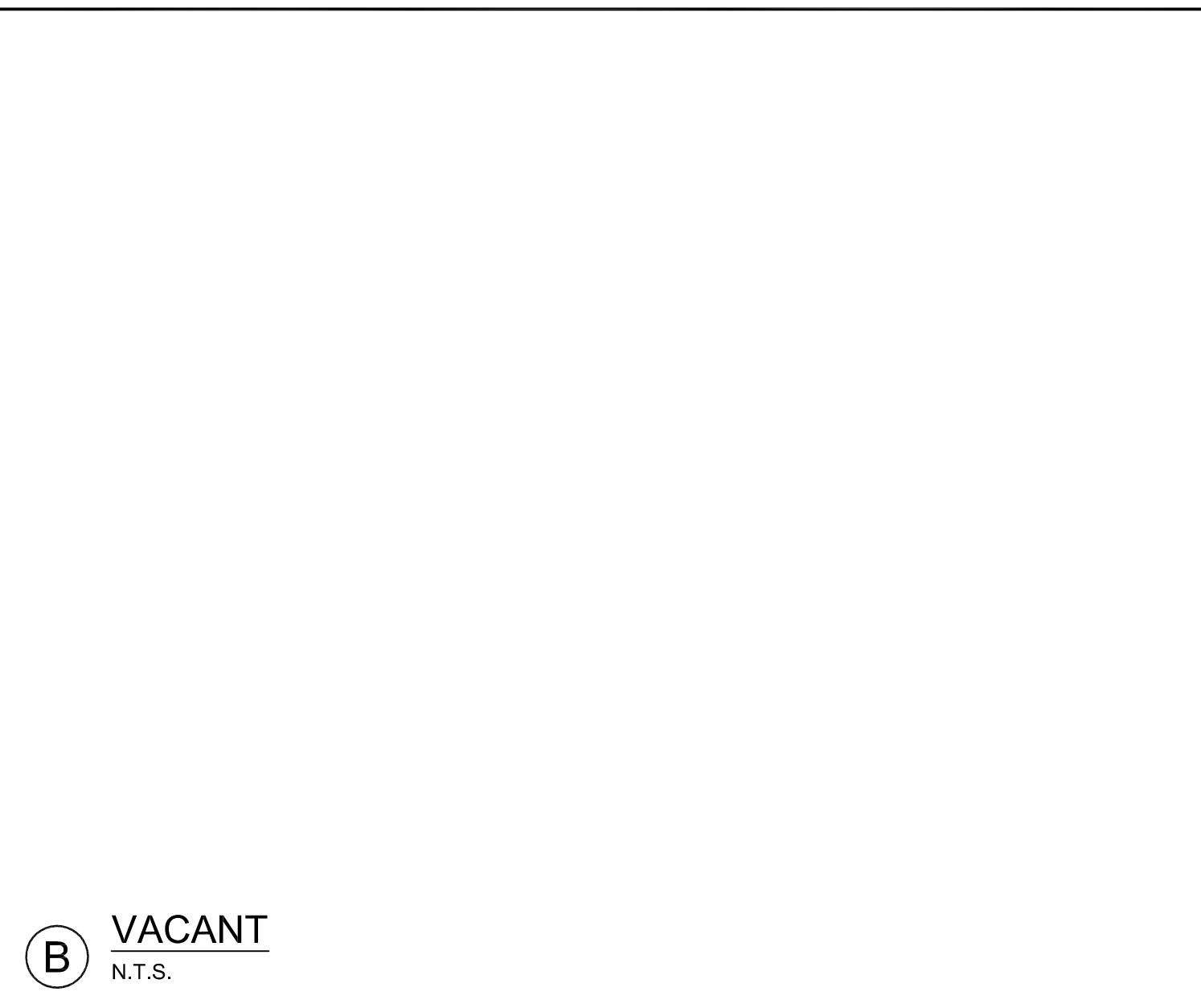
NOTE: TABLE INCOMPLETE FOR PRELIMINARY SUBMISSION

USE THIS SCHEDULE FOR DETAILS F, G, H

E SCHEDULE B OUTLET CONTROL STRUCTURE
N.T.S.



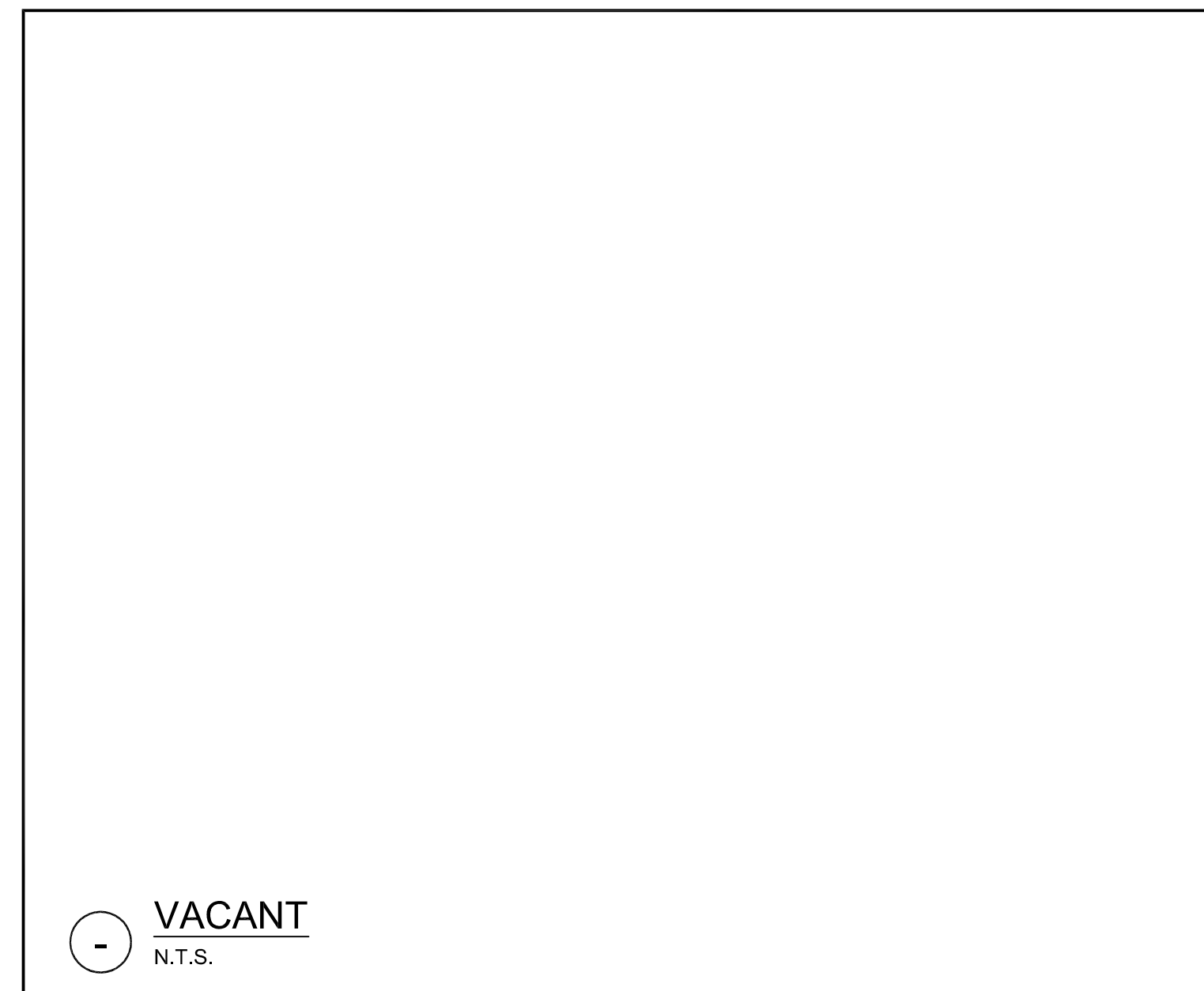
G OUTLET CONTROL STRUCTURE SECTION A-A
N.T.S. SEE SCHEDULE B



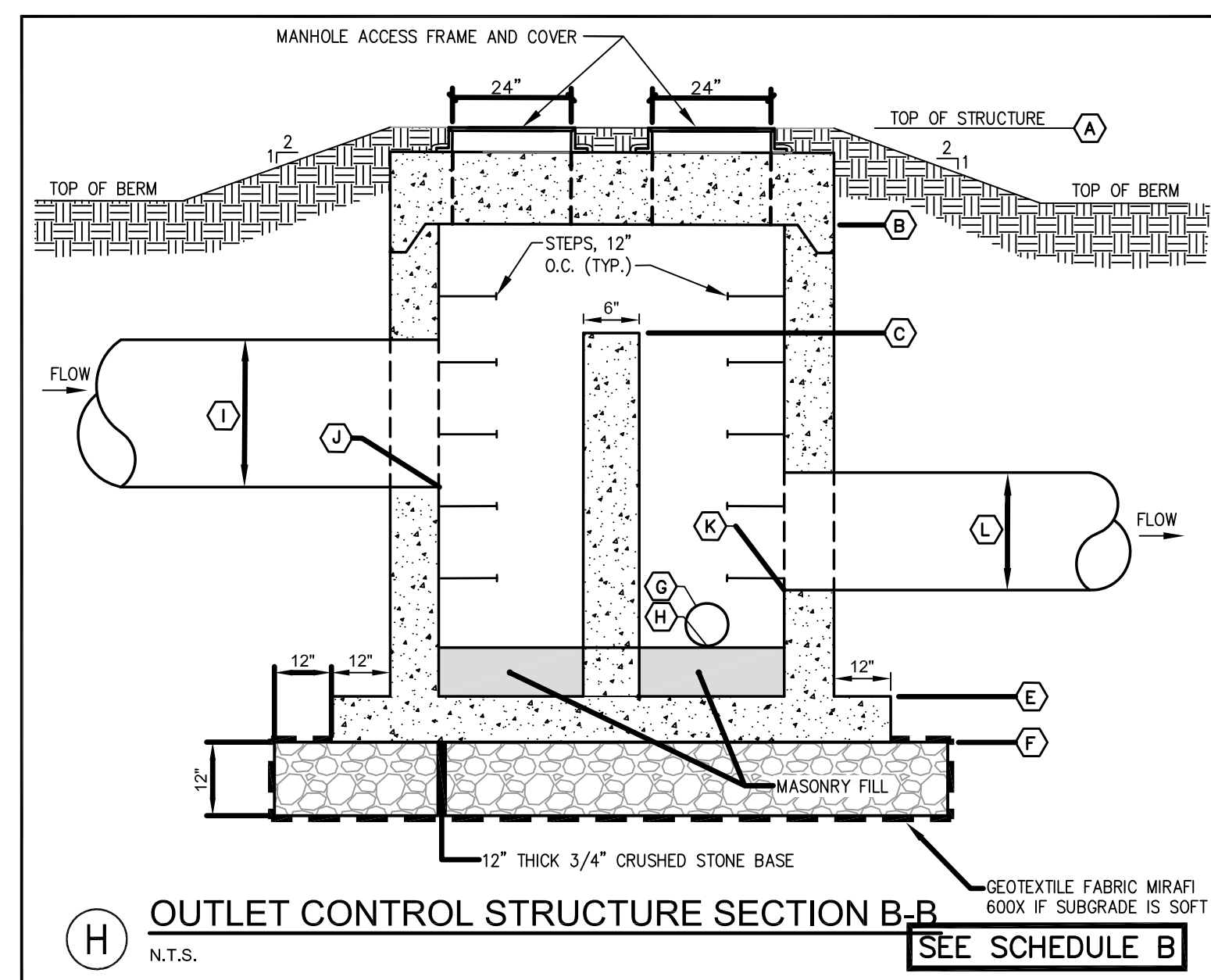
B VACANT
N.T.S.



C VACANT
N.T.S.



D VACANT
N.T.S.



H OUTLET CONTROL STRUCTURE SECTION B-B
N.T.S. SEE SCHEDULE B

NOTE: GRAVEL WETLAND DETAILS TO BE COMPLETED PRIOR TO FINAL PLAN SUBMISSION.

PRELIMINARY - NOT FOR CONSTRUCTION

	PROJECT: PH WARREN AVENUE, LLC COMMERCIAL SITE 421 WARREN AVENUE										
	SHEET TITLE: DETAILS	DRAWN: CMW DESIGNED: SRB CHECKED: SRB FILE NAME: SP-M104-DET SHEET: C-4.3	DATE: NOVEMBER 2013 SCALE: AS NOTED JOB NO.: SP-M104								
CLIENT: PH WARREN AVENUE, LLC C/O PETER HOLMES 12 WILDWOOD LANE SCARBOROUGH, ME 04074	REVISIONS: <table border="1"> <tr> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td>1</td> <td>02.10.14</td> <td>SUBMITTED TO CITY OF PORTLAND</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>	REV	DATE	DESCRIPTION	1	02.10.14	SUBMITTED TO CITY OF PORTLAND				P.E. STEPHEN BUSHEY LIC. # 7429
REV	DATE	DESCRIPTION									
1	02.10.14	SUBMITTED TO CITY OF PORTLAND									