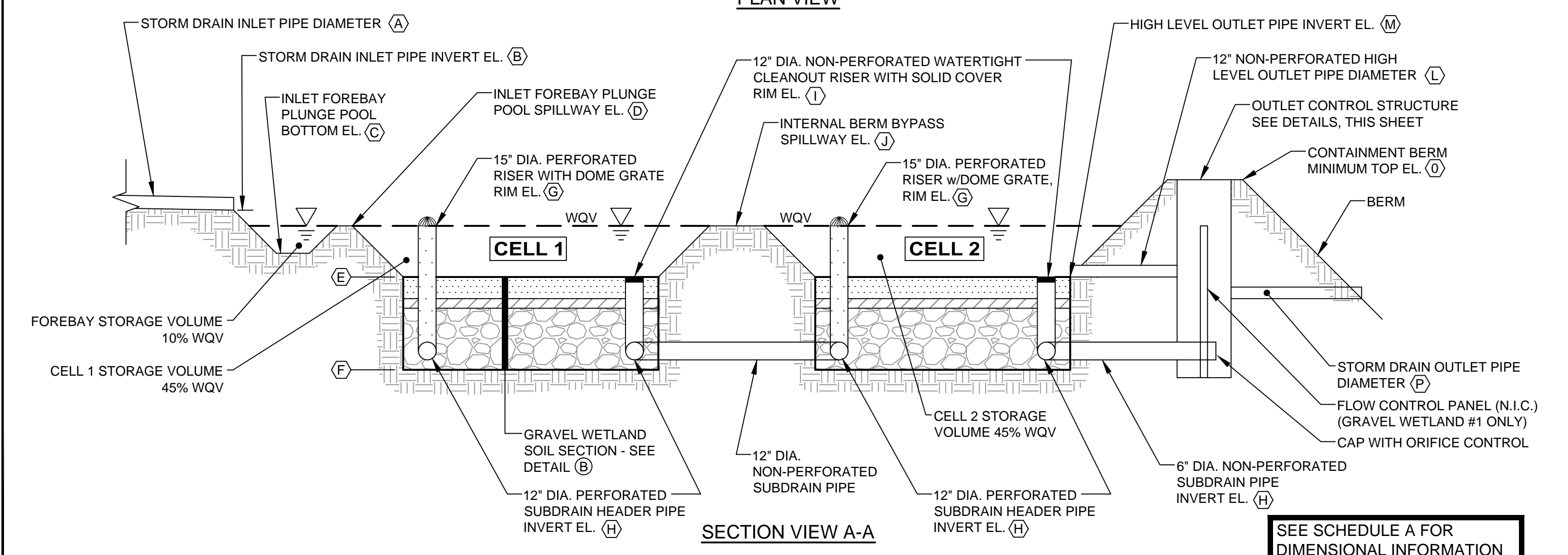


PLAN VIEW



SECTION VIEW A-A

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

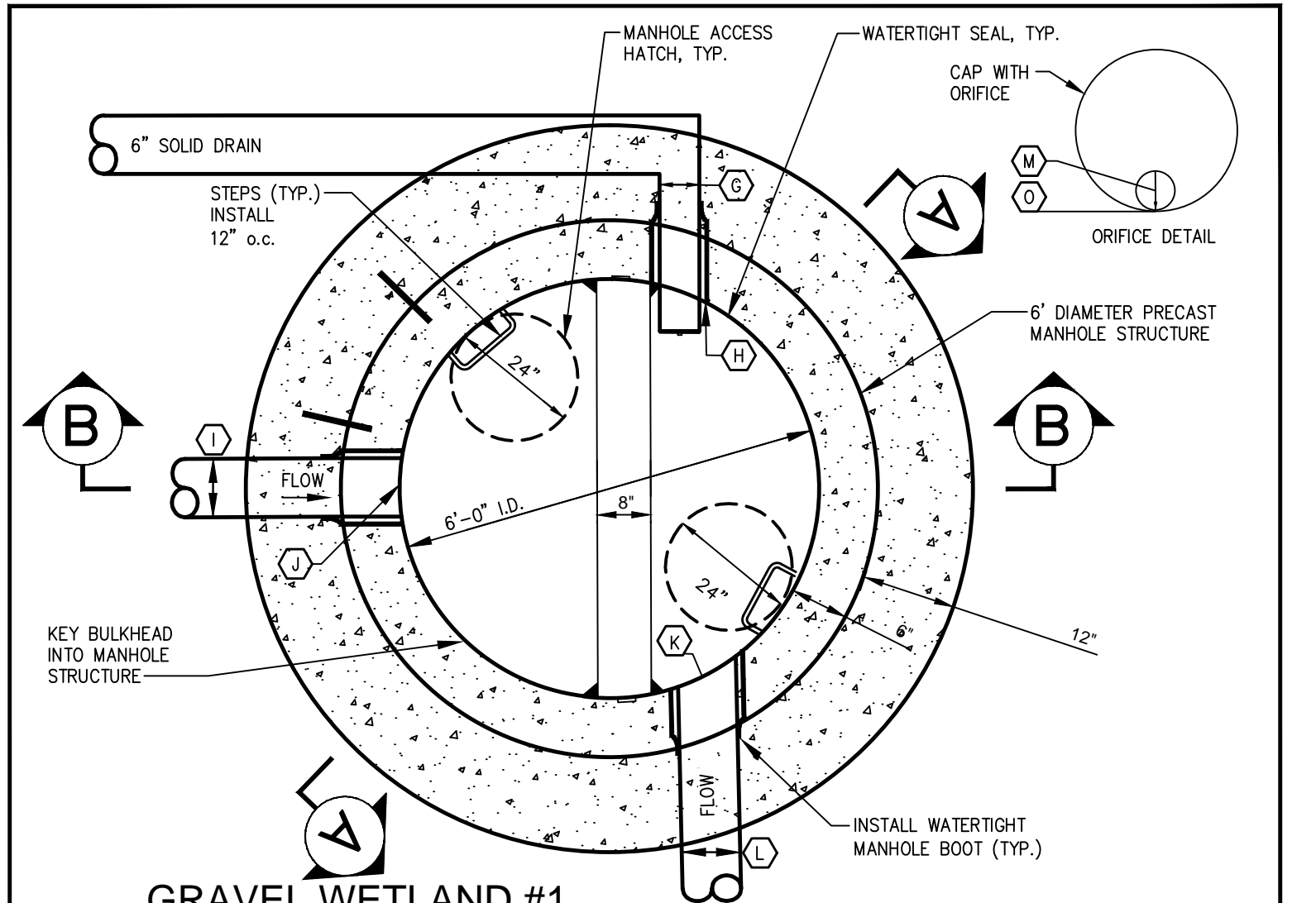
SEE SCHEDULE A FOR DIMENSIONAL INFORMATION FOR GRAVEL WETLAND BASIN CONSTRUCTION

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	68.40
(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)	6" DIA. 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.)	12"	N/A
(M)	HIGH LEVEL OUTLET PIPE INVERT EL.	68.5	N/A
(N)	EMERGENCY SPILLWAY CHANNEL EL.	N/A	69.0
(O)	CONTAINMENT BERM MINIMUM TOP EL.	70.00	71.00
(P)	STORM DRAIN OUTLET PIPE DIAMETER	12"	12"

USE THIS SCHEDULE FOR DETAIL A

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



F GRAVEL WETLAND #1 OUTLET CONTROL STRUCTURE PLAN VIEW
N.T.S.

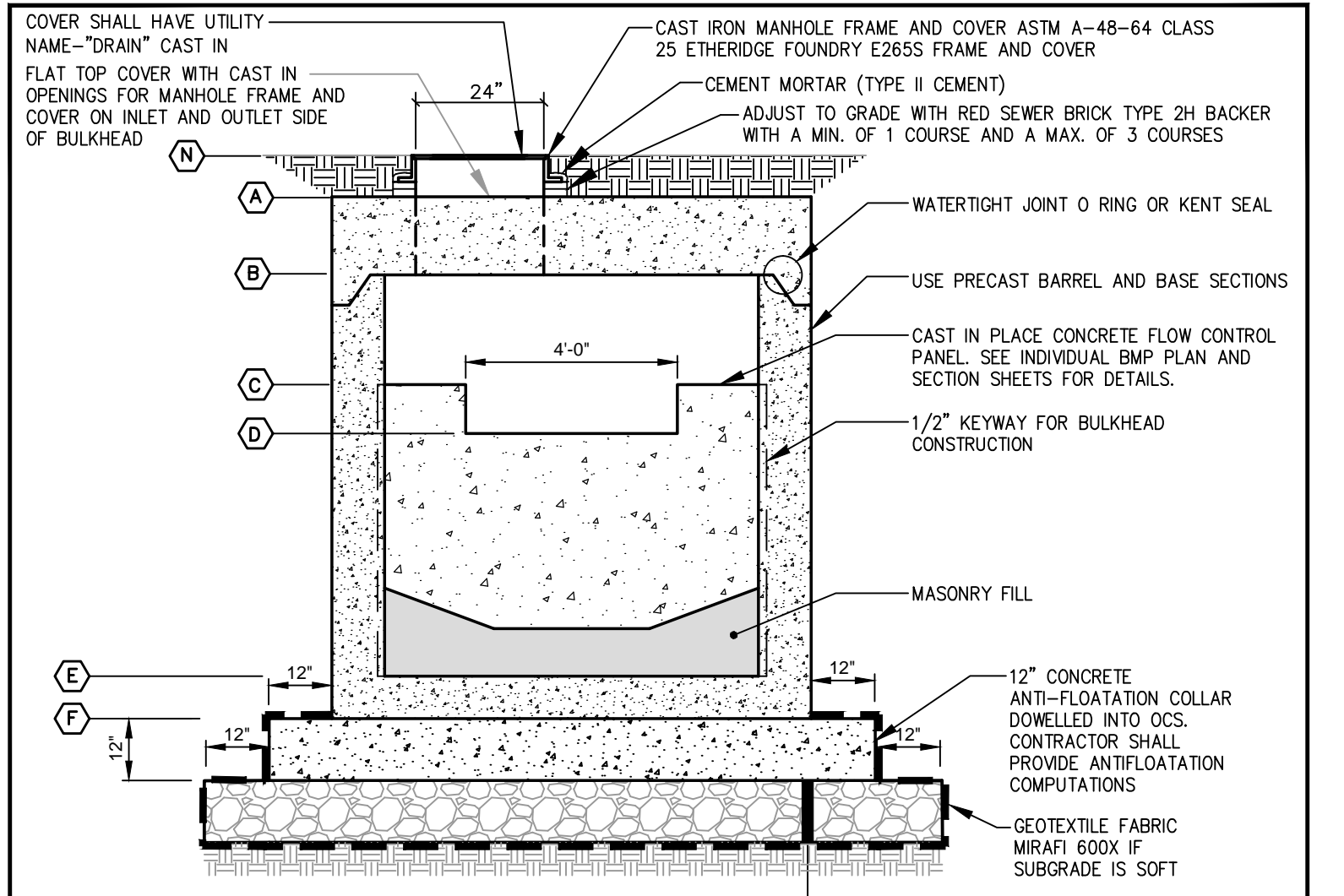
SEE SCHEDULE B

SCHEDULE B OUTLET CONTROL STRUCTURE

ITEM DESCRIPTION	DIMENSION/ELEVATION	
	GRAVEL WETLAND #1	GRAVEL WETLAND #2
(A) TOP OF STRUCTURE	71.00	71.00
(B) UNDERSIDE TOP SLAB	70.67	70.33
(C) TOP CONCRETE BULKHEAD	69.50	N/A
(D) WEIR ELEVATION	69.00	N/A
(E) BOTTOM OF SUMP	65.00	65.00
(F) BOTTOM OF STRUCTURE	64.00	64.00
(G) UD INLET WITH ECCENTRIC ORIFICE DIA.	6"	6"
(H) UD INLET INVERT	65.83	65.83
(I) HIGH LEVEL INLET PIPE DIAMETER	12"	-
(J) HIGH LEVEL OUTLET INVERT	68.50	N/A
(K) CONTROL STRUCTURE OUTLET PIPE INV.	68.17	68.17
(L) CONT. STR. OUTLET PIPE DIAMETER	12"	12"
(M) ORIFICE DIAMETER	0.95"	1.4"
(N) RIM ELEVATION	71.88	71.50
(O) ORIFICE INVERT	65.83	65.83

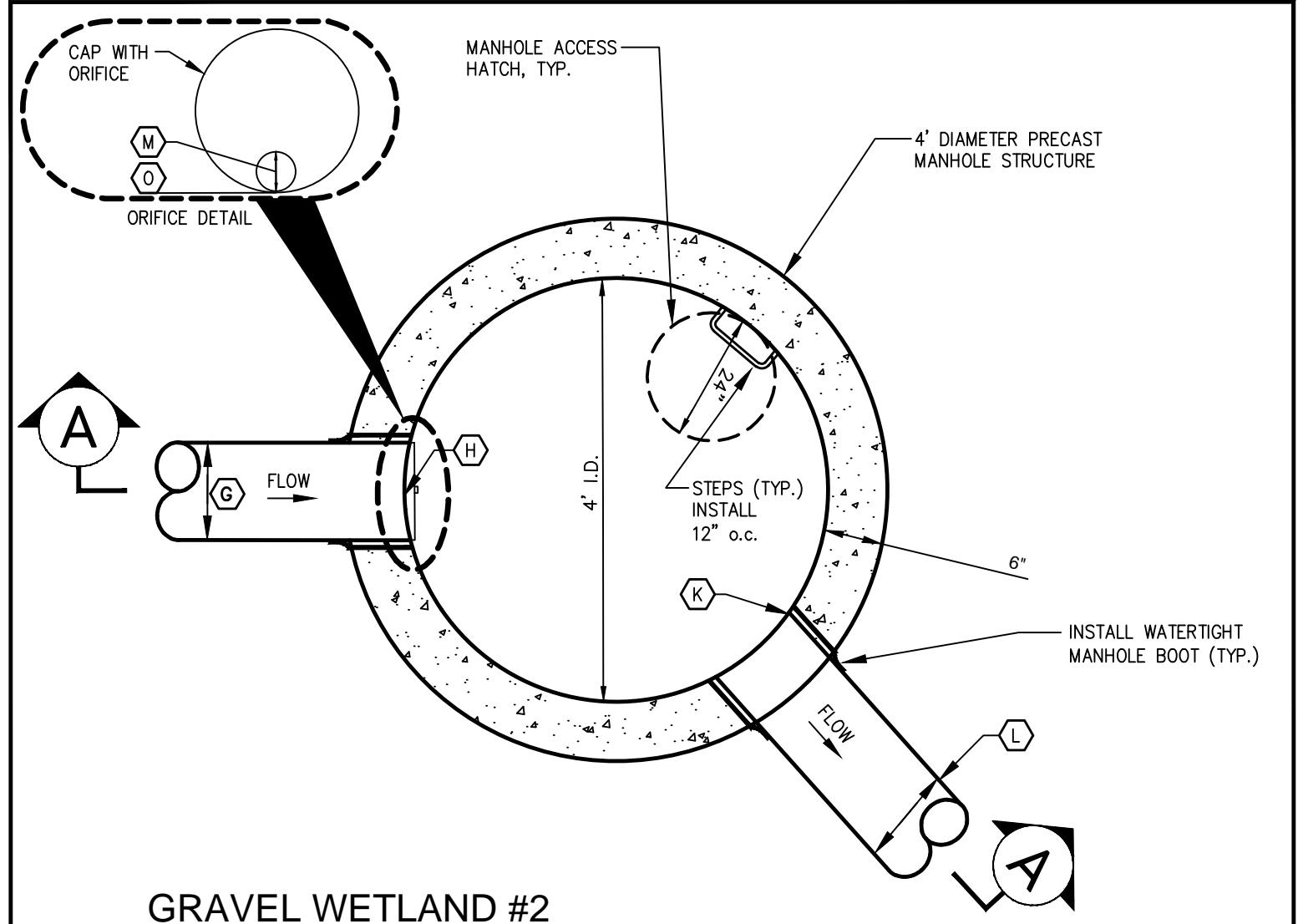
USE THIS SCHEDULE FOR DETAILS B, C, F, G, H

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



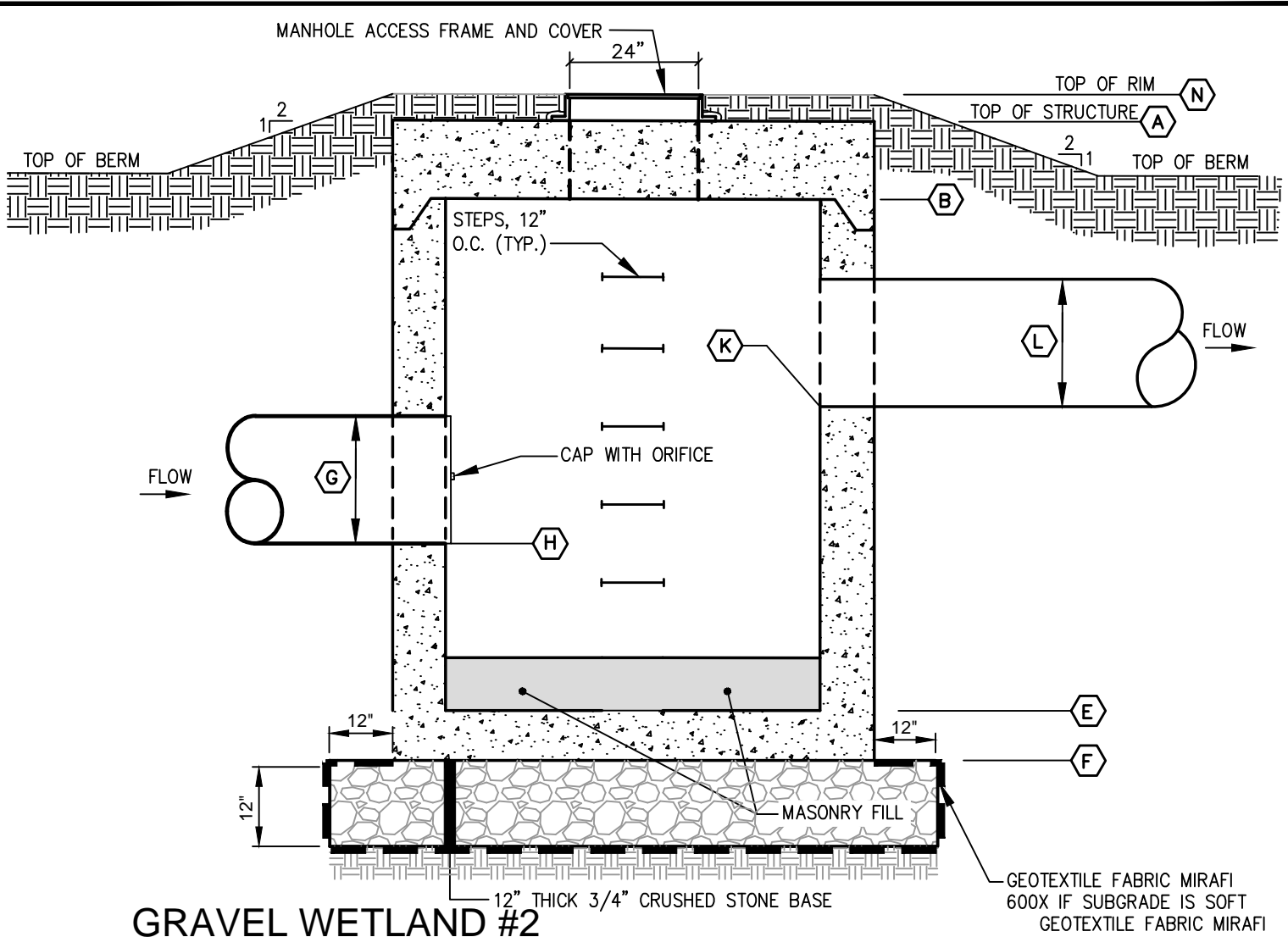
G GRAVEL WETLAND #1 OUTLET CONTROL STRUCTURE SECTION A-A
N.T.S.

SEE SCHEDULE B



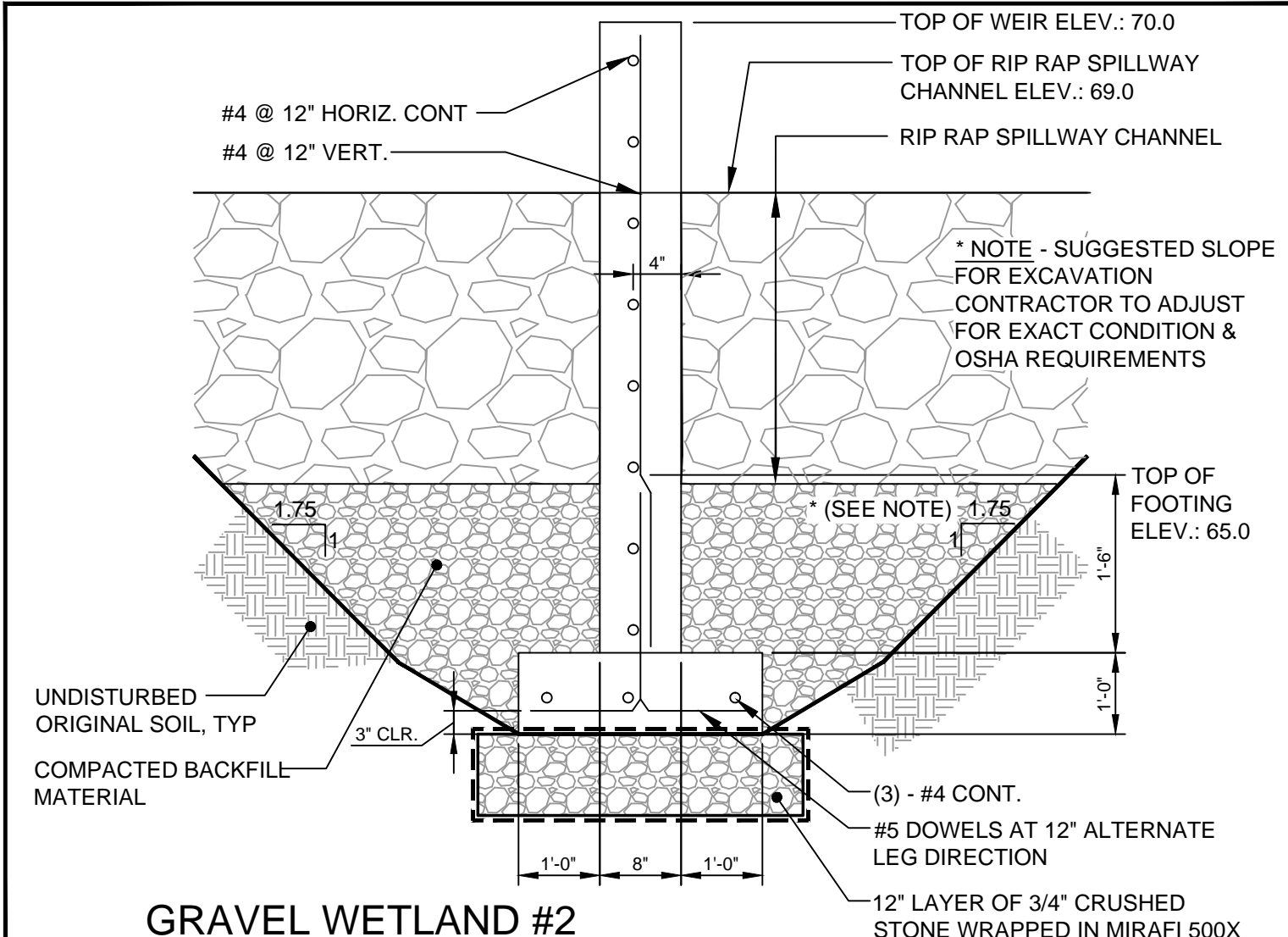
B GRAVEL WETLAND #2 OUTLET CONTROL STRUCTURE PLAN VIEW
N.T.S.

SEE SCHEDULE B

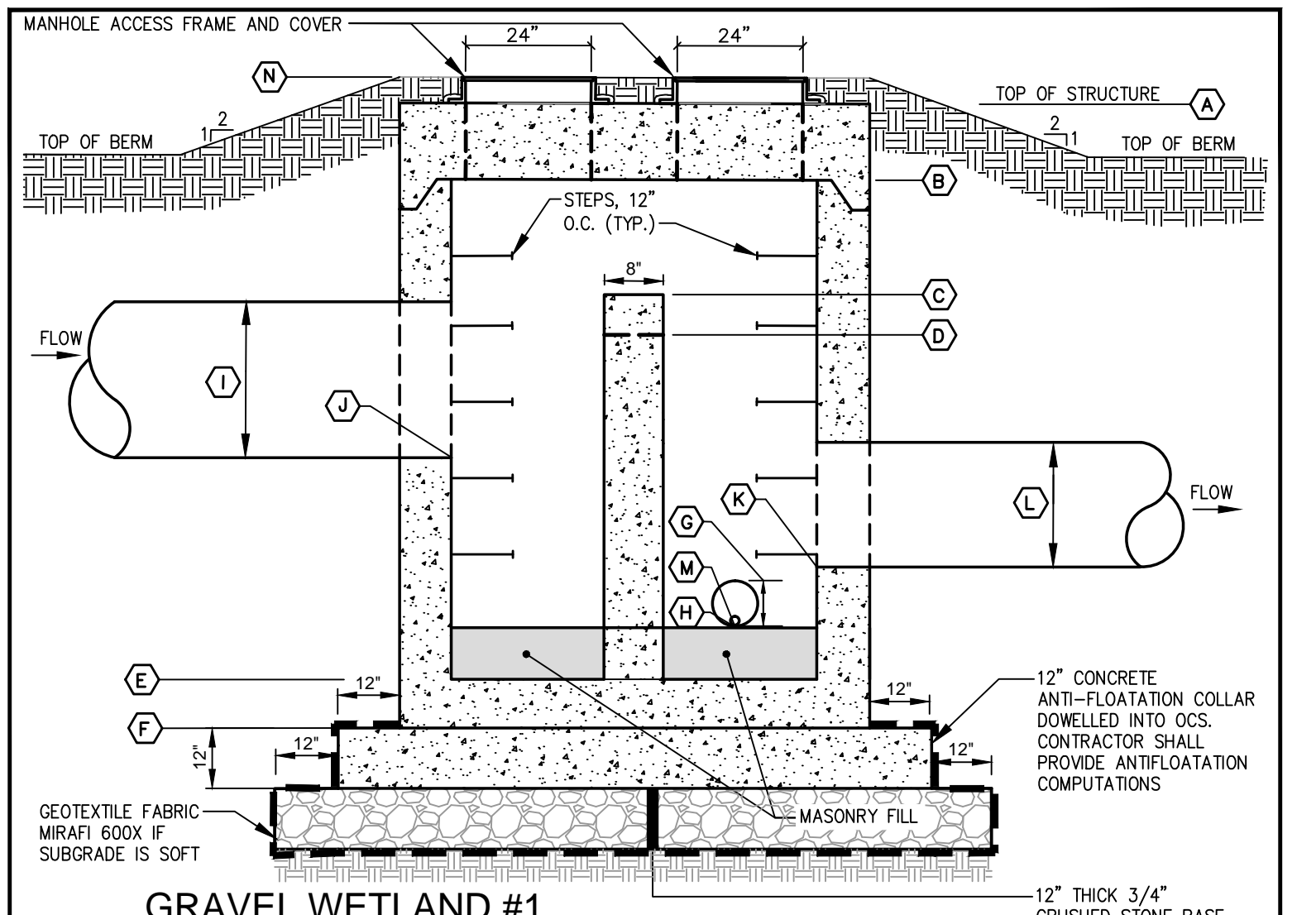


C GRAVEL WETLAND #2 OUTLET CONTROL STRUCTURE SECTION A-A
N.T.S.

SEE SCHEDULE B



I GRAVEL WETLAND #2 FLOW CONTROL PANEL WEIR SECTION
N.T.S. (SEE DETAIL 'C' ON SHEET C-6.2 FOR WALL ELEVATION DETAIL)



H GRAVEL WETLAND #1 OUTLET CONTROL STRUCTURE SECTION A-A
N.T.S.

SEE SCHEDULE B

PRELIMINARY - NOT FOR CONSTRUCTION

R:\SP-M104 Portland, ME Harbor Auto Body - Peter Holmes\Cadd\Permit Self\dwg\SP-M104-DET.dwg file_p_41172014 9:30 AM

REV	DATE	DESCRIPTION
2	04.17.14	FINAL PLAN SUBMISSION TO CITY
1	02.10.14	SUBMITTED TO CITY OF PORTLAND

REVISIONS

STATE OF MAINE
STEPHEN R. BUSHEY
REGISTERED PROFESSIONAL ENGINEER
LICENSED IN ME
LIC. # 7429

PROJECT PH WARREN AVENUE, LLC
COMMERCIAL SITE
421 WARREN AVENUE

SHEET TITLE **GRAVEL WETLAND DETAILS**

CIENT PH WARREN AVENUE, LLC
C/O PETER HOLMES
12 WILDWOOD LANE
SCARBOROUGH, ME 04074

FST FAY, SPOFFORD & THORNDIKE, INC.
ENGINEERS - PLANNERS - SCIENTISTS
778 MAIN ST., SUITE 8, SOUTH PORTLAND, ME 04106
Since 1942

DRAWN: CMW	DATE: NOVEMBER 2013
DESIGNED: SRB	SCALE: AS NOTED
CHECKED: SRB	JOB NO. SP-M104
FILE NAME: SP-M104-DET	
SHEET C-4.3	