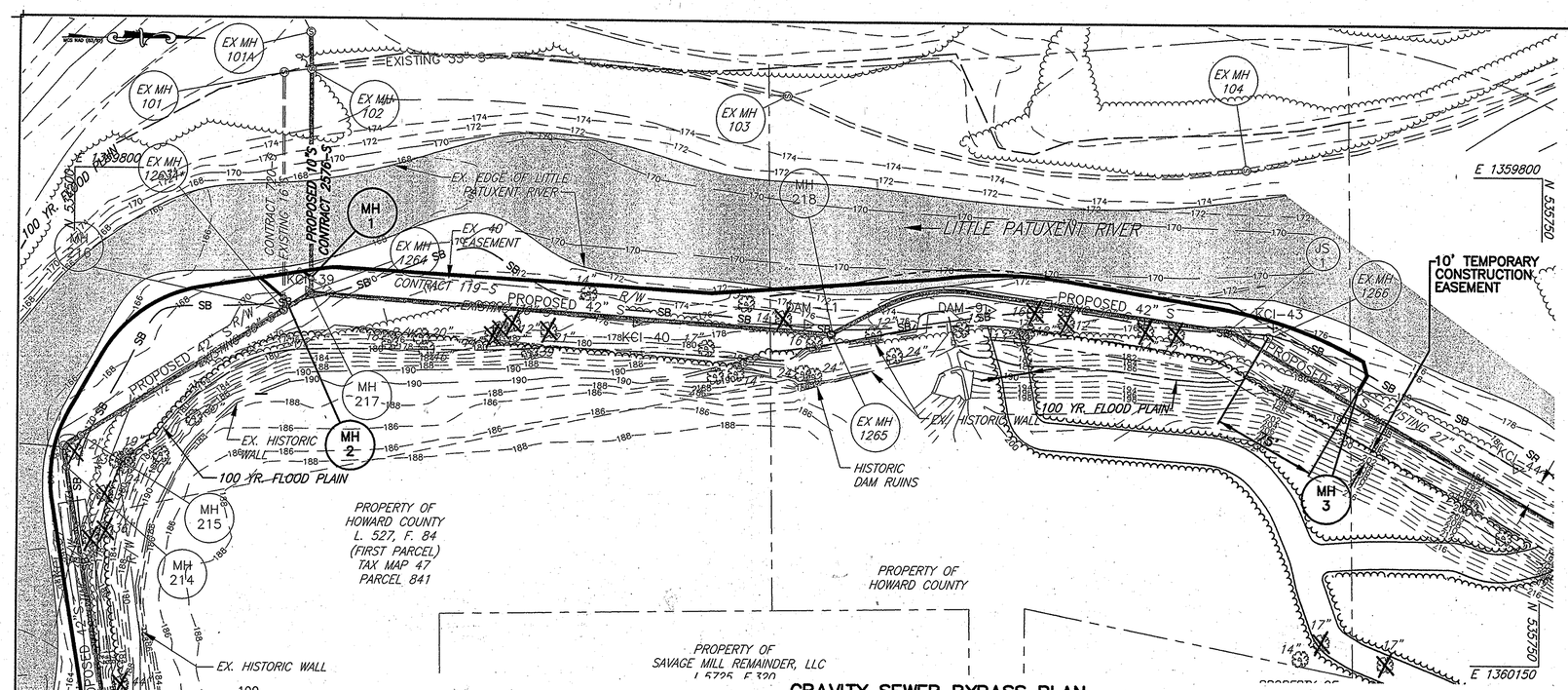


GRAVITY SEWER BYPASS PLAN

1"=50'

NOTES:

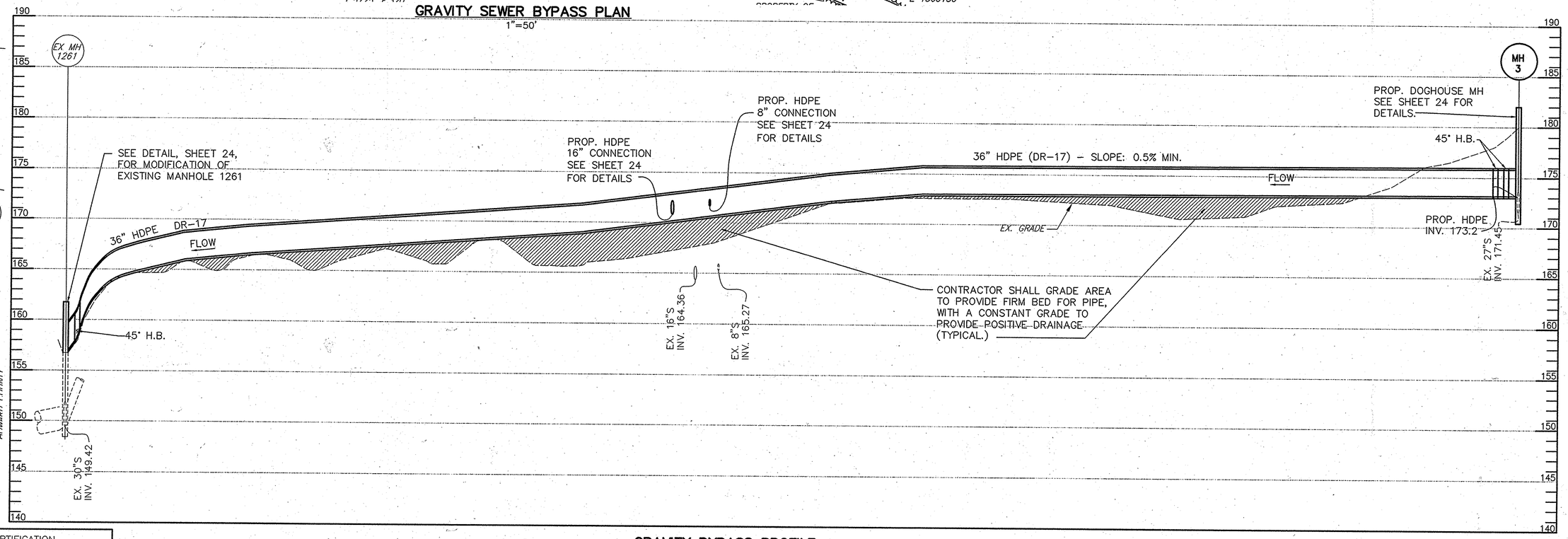
1.) PROPOSED DOGHOUSE MANHOLES (MH-1, MH-2 & MH-3) SHALL BE LOCATED PER THE CHART SHOWN BELOW. SEE SHEET 24 FOR DETAILS.

MANHOLE	EX. PIPE SIZE	NORTHING	EASTING	MANHOLE SIZE
MH-1	8"	534869.84	1359878.39	48" PRECAST
MH-2	16"	534850.39	1359892.01	48" PRECAST
MH-3	27"	535619.68	1359952.86	60" PRECAST

2.) EXISTING MANHOLES 101, 101A, 102, 103 AND 104 SHALL BE RAISED 5 FEET DURING BYPASS OPERATIONS TO PREVENT SURCHARGE OF THE EXISTING SEWER. THE CONTRACTOR SHALL BE RESPONSIBLE, INCLUDING PAYMENTS OF PENALTIES FOR ANY VIOLATIONS AND SPILLAGE OF SEWER.

3.) METHODS OF RAISING MANHOLES SHALL BE APPROVED BY ENGINEER PRIOR TO CONSTRUCTION.

4.) THE CONTRACTOR SHALL SUPPORT AND ANCHOR THE TEMPORARY PIPE TO PREVENT FLOTATION AND MOVEMENT. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND DESIGN TO ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.



GRAVITY BYPASS PROFILE

HORIZONTAL: 1"=50'
VERTICAL: 1"=5'

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 8146 EXPIRATION DATE: 10/8/11

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DIRECTOR OF PUBLIC WORKS — DATE 12/12/08
CHIEF, BUREAU OF ENGINEERING — DATE 12/12/08
CHIEF, BUREAU OF UTILITIES — DATE 12/12/08
CHIEF, UTILITY DESIGN DIVISION — DATE 12/11/08

Patton Harris Rust & Associates, Inc.
Engineers. Surveyors. Planners. Landscape Architects.
8818 Centre Park Drive
Columbia, MD 21045
T 410.997.8900
F 410.997.9282

DES: C.H.
DRN: K.L.B.
CHK: G.C.L.
DECEMBER, 2008

BY	NO.	REVISION	DATE
R.J.C.		AS-BUILT	12/10

GRAVITY BYPASS PLAN AND PROFILE

600' SCALE MAP 47 — BLOCK 10, 16, 17 ,& 18

LITTLE PATUXENT
PARALLEL INTERCEPTOR SEWER
CAPITAL PROJECT S-6175
CONTRACT NO. 20-4532
1ST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

AS-BUILT

SCALE AS SHOWN

SHEET 23 OF 27