

EXISTING INVERT DATA

DMH-1 RIM-46.19 STA. 3+49, LT. 8.8' (COLBY FARM LANE) INV IN, 24" 37.24 INV OUT 24" 37.24	SMH-1 RIM-47.04 STA. 2+86, RT. 20.0 (COLBY FARM LANE) INV IN, 6" 42.74 INV OUT 6" 42.64
DMH-2 RIM-45.5 (46.31) STA. 0+50, LT. 8' (COLBY FARM LANE) PROPP. INV. IN 12" HDPE - 40.00 INV IN 18" 37.94 (39.81 & 37.41) INV OUT 24" 37.79 (37.31)	SMH-2 RIM-46.94 (48.98) STA. 1+22, RT. 1' (COLBY FARM LANE) INV IN 6" 40.69 (40.53) INV OUT 8" 40.31 (40.43)

PROPOSED INVERT DATA

DMH-3 RIM-49.64 (49.45) STA. 1+00, LT. 1.7' (ROAD A) INV IN, 6" 45.25 (45.25) INV OUT 12" 45.21 (45.15)	DMH-4 RIM-50.17 (50.18) STA. 1+52, LT. 9.2' (ROAD A) INV IN 12" 44.96 (44.75) INV OUT 44.86 (44.65)	DMH-5 RIM-49.06 (49.20) STA. 2+65, LT. 0.0' (ROAD A) INV IN 18" 44.29 (44.20) INV OUT 18" 44.19 (44.10)	DMH-6 RIM-45.00 (OFF ROAD) (44.90) INV IN 18" 42.10 (42.20) & (42.00) INV OUT 2-12" 42.00 (41.90)	DMH-7 RIM-45.00 (OFF ROAD) (45.00) INV IN 18" 41.24 (41.00) INV OUT 18" 40.24 (40.00)	DMH-8 DOGHOUSE RIM 42.44 (42.67) STA. 5+02, LT. 12' (COLBY FARM LANE) STA. 0+12, T. 9.5' (ROAD B) EX INV. 24" 36.58 INV IN 12", TBF5 - 38.50 (38.50) INV IN 12", TBF6 - 38.50 (37.17)	DMH-9 DOGHOUSE RIM 46.50 (46.49) STA. 1+52, LT. 0.0' (ROAD A) INV IN 12" 40.20 (40.19) SUMP 113.10 CB-2 RIM-44.20 (OFF ROAD) (44.16) INV OUT 8" 41.15 (41.16) SUMP 73.56 CB-3 RIM-44.20 (OFF ROAD) (44.21) INV OUT 8" 41.15 (41.21) SUMP 70.20	TBF-1 CB-RIM-49.42 (49.40) STA. 0+97.5, RT. 11' (ROAD A) INV OUT 12" 45.42 (45.40) SUMP 42.32 TBF-2 CB-RIM-49.42 (49.36) STA. 0+97.5, LT. 11' (ROAD A) INV OUT 12" 45.42 (45.36) SUMP 42.44 TBF-3 CB-RIM-48.75 (48.80) STA. 2+88, LT. 11' (ROAD A) INV OUT 12" 44.75 (44.80) SUMP 41.60 TBF-4 CB-RIM-48.75 (48.81) STA. 2+88, RT. 11' (ROAD A) INV OUT 12" 44.75 (44.81) SUMP 42.80 TBF-5 CB-RIM-43.43 (43.47) STA. 0+32, LT. 11' (ROAD B) INV OUT 12" 39.43 (39.47) SUMP 44.84 TBF-6 CB-RIM-43.78 (43.83) STA. 0+38, RT. 11' (ROAD B) INV OUT 12" 39.78 (39.83) SUMP 45.20	SMH-3 RIM-47.00 (47.21) STA. 2+75, LT. 5' (COLBY FARM LANE) INV IN, 8" 41.33 (41.46) INV OUT 8" 41.23 (41.36)	SMH-4 RIM-49.82 (50.78) STA. 1+51, LT. 19.4' (ROAD A) INV IN 8" 42.20 (42.23) INV OUT 8" 42.10 (42.13)	SMH-5 RIM-49.32 (49.26) STA. 3+26, RT. 5.5' (ROAD A) INV IN 8" 43.22 (42.50) & (42.61) INV OUT 8" 43.12 (42.71)	SMH-6 RIM-50.10 (50.27) STA. 4+13.R, RT. 2.5' (ROAD A) INV OUT 8" 44.88 (44.97)
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HYDRANT DATA

EXISTING HYD. 1 STA. 2+55, RT. 15' (COLBY FARM LANE)	PROPOSED HYD. 2 STA. 6+11, RT. 14' (COLBY FARM LANE)	PROPOSED HYD. 3 STA. 2+52, RT. 17' (ROAD A)
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SEWER / WATER CROSSINGS

SEWER SERVICE - SS	SEWER FORCE MAIN SEWER - FM SS	BOTTOM - BOT
SEWER MAIN - SM	WATER SERVICE WS	WATER MAIN - WM
ROAD 'A'		
0+83 TOP SS.42.68	BOT WM 43.50	SEPARATION-0.82'
1+22 BOT.WS 44.62	TOP SM 42.66	SEPARATION-1.96'
1+75 BOT WS 44.85	TOP SM 42.76	SEPARATION-2.09'
2+14 BOT WS 44.40	TOP SM 43.23	SEPARATION-1.17'
2+24 TOP SS 43.30	BOT WM 43.92	SEPARATION-0.62'
2+95 BOT SS 43.55	TOP SM 42.94	SEPARATION-0.61'
3+02 TOP WS 42.50	BOT SM 43.03	SEPARATION-0.53'
3+42 TOP WS 42.75	BOT SM 43.51	SEPARATION-0.77'
3+65 TOP WS 43.04	BOT SM 43.96	SEPARATION-0.92'
ROAD 'B'		
0+79 BOT FM SS.42.98	TOP WM 40.88	SEPARATION-2.10'

BENCHMARK INFORMATION

FOR ADDITIONAL & ORIGINAL BENCHMARK DATA, SEE THE EXISTING CONDITIONS PLAN FOUND AT SHEET 3 OF 19 ON A PLAN-SET ENTITLED "THE RESERVE AT BASHAW FARM OSRD" PREPARED BY CAMMETT ENGINEERING, LAST REVISED ON AUGUST 14, 2019.

CONTROL POINTS

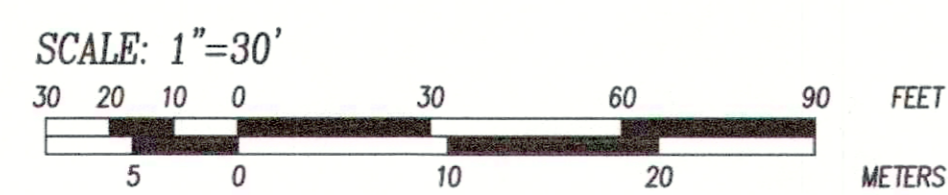
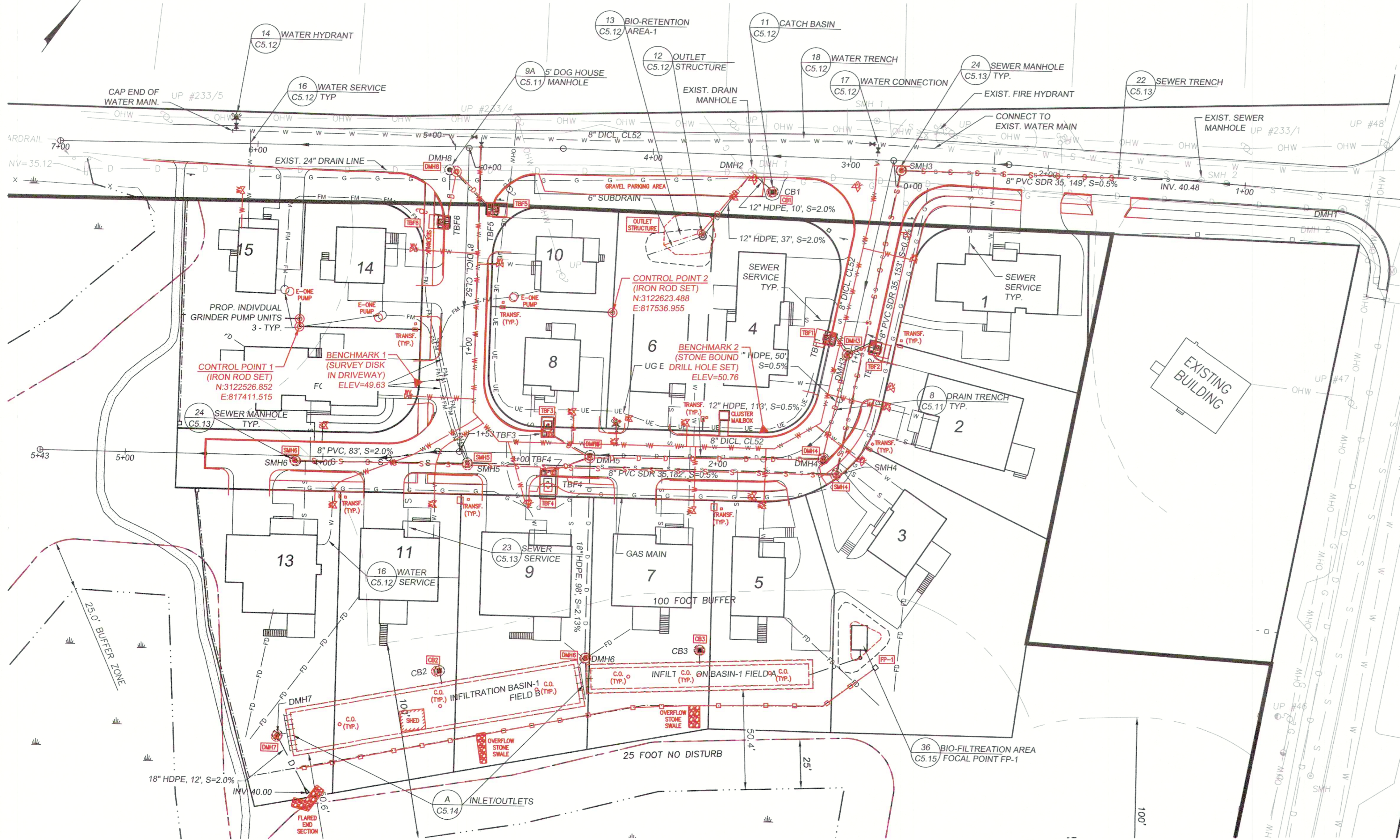
COORDINATE SYSTEM: MASSACHUSETTS MAINLAND 2001 STATE PLANE (NAD83)

NOTES

- REFER TO COLBY FARM LANE AS-BUILT FOR IMPROVEMENTS INSTALLED WITHIN COLBY FARM LANE RIGHT OF WAY.
- AS-BUILT SURVEY CONDUCTED BY ON-THE-GROUND INSTRUMENT SURVEY ON THE 06/16/2021, 06/17/2021, 07/14/2021, 07/15/2021, 08/31/2021, AND 09/08/2021.

LEGEND

- CATCH BASIN
- ⊙ DRAIN MANHOLE
- ⊙ SEWER MANHOLE
- ⊙ FIRE HYDRANT
- ⊙ WATER GATE VALVE
- ⊙ GAS GATE VALVE
- ⊙ UTILITY POLE



NOTES:

- REFER TO SHEET G1.20 FOR ABBREVIATIONS, AND GENERAL NOTES.
- PARCEL IS SITUATED IN R-1 ZONE AND RSD OVERLAY DISTRICT. ZONE R-2 DIMENSIONAL REQUIREMENTS WERE UTILIZED.

FOR REGISTRY USE ONLY

REVISION BLOCK			
NO.	DATE	DESC	BY
1	6-21-19	PEER REVIEW	DH
2	7-26-19	CON. COM & PEER REVIEW	DH
3	8-14-19	TOWN REVIEW	DH
4	9-16-21	AS-BUILT PLAN	CA
5	11-10-21	ADD CONTROL/BENCHMARK	CA
6	5-17-22	ADD SUMP INFO	DL

Sheet Title:

**Utility Plan
AS-BUILT**

Project Title:

**The Reserve at
Bashaw Farm
OSRD**
Newburyport, MA 01950

Applicant:

**Downeast Building and
Development, LLC**
c/o Ben Legare
110 Maple Street
Northborough, MA 01532

Owner:

Mallow Realty Trust
185 Low Street
Newburyport, MA 01950



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