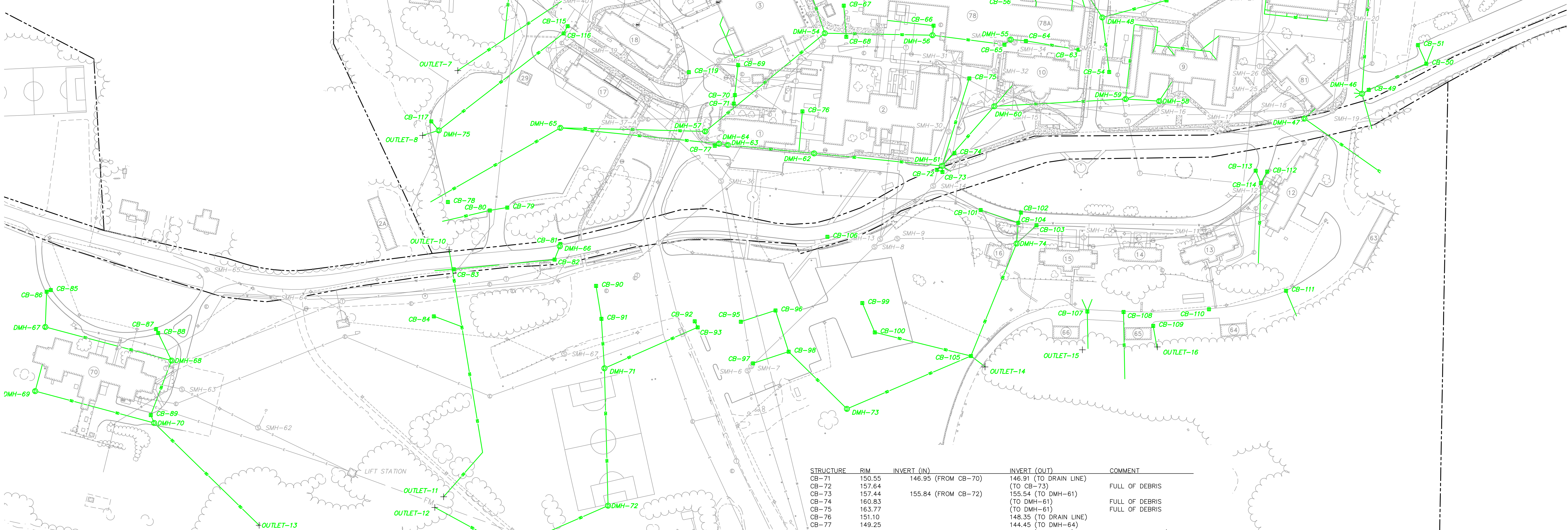


one eighth inch = one foot
one quarter inch = one foot
one half inch = one foot
three eighths inch = one foot
one inch = one foot
one and one half inches = one foot
two inches = one foot
three inches = one foot



OUTLET SUMMARY

STRUCTURE	ELEVATION
OUTLET-1	158.40 (FROM DMH-31)
OUTLET-2	153.25 (FROM CB-22)
OUTLET-3	143.42 (FROM DMH-38)
OUTLET-4	152.13 (FROM CB-26)
OUTLET-5	152.47 (FROM CB-32)
OUTLET-6	136.41 (FROM CB-44)
OUTLET-7	135.48 (FROM DMH-42)
OUTLET-8	135.04 (FROM DMH-75)
OUTLET-9	136.08 (FROM DMH-44)
OUTLET-10	132.65 (CMP INLET)
OUTLET-11	123.32 (CMP OUTLET)
OUTLET-12	123.33 (FROM CB-95)
OUTLET-13	119.21 (FROM DMH-70)
OUTLET-14	(FROM CB-108)
OUTLET-15	(FROM CB-107)
OUTLET-16	(FROM CB-109)



CATCH BASIN SUMMARY

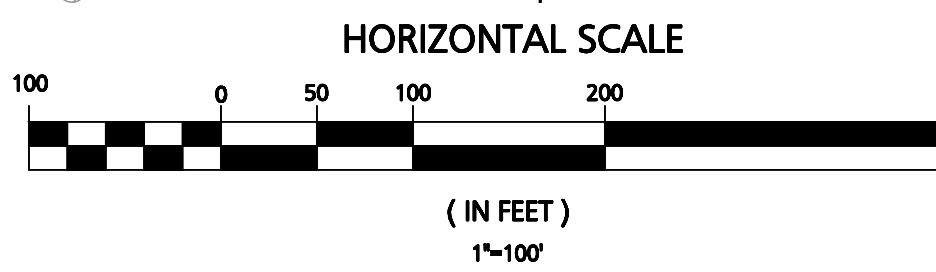
STRUCTURE	RIM	INVERT (IN)	INVERT (OUT)	COMMENT
CB-1	179.18		175.68 (9" TO CB-2)	
CB-2	178.64	174.64 (FROM CB-1)	173.14 (10" TO CB-3)	
CB-3	173.13	171.13 (FROM CB-4)	169.18 (12" TO DMH-10)	
CB-4	173.01		169.41 (12" TO CB-5)	CEMENTED SHUT.
CB-5	174.18		170.93 (TO DRAIN)	FULL OF DEBRIS
CB-6	173.98		170.93 (TO DRAIN)	FULL OF DEBRIS
CB-7	171.73		170.93 (TO DRAIN)	FULL OF DEBRIS
CB-8	171.70		170.93 (TO DRAIN)	FULL OF DEBRIS
CB-9	178.80		176.28 (8" TO CB-11)	
CB-10	179.07		176.25 (8" TO DRAIN)	
CB-11	178.43	174.49 (FROM CB-9)	173.61 (8" TO DMH-13)	
CB-12	177.94		174.79 (8" TO CB-13)	
CB-13	178.30	174.15 (FROM CB-12)	173.96 (8" TO DMH-15)	
CB-14	172.54	166.97 (FROM CB-12)	166.77 (TO CB-15)	
CB-15	172.53	166.68 (FROM CB-14)	166.61 (TO DMH-16)	
CB-16	175.89	171.29 (FROM DMH-25)	171.19 (10" TO OUTLET)	OUTLET BURIED
CB-17	167.55		162.72 (18" TO DMH-31)	
CB-18	167.06		163.32 (TO DMH-31)	
CB-19	158.91		154.45 (8" TO DMH-32)	
CB-20	158.97	156.23 (FROM BLD-80)	155.27 (8" TO DMH-32)	
CB-21	158.51		153.25 (8" TO DMH-32)	
CB-22	158.86		153.44 (10" TO OUTLET-2)	
CB-23	159.58		154.46 (8" TO DMH-32)	
CB-24	159.86		154.46 (8" TO DMH-32)	
CB-25	159.05		155.55 (8" TO CB-26)	
CB-26	158.97		154.60 (8" TO OUTLET-4)	
CB-27	168.52		165.47 (TO CB-28)	
CB-28	167.50	164.35 (SEE COMMENT)	164.40 (TO DMH-33)	INVERT IN ?
CB-29	168.93		162.93 (TO DRAIN)	
CB-30	168.59		166.69 (TO DRAIN)	
CB-31	167.47		167.27 (TO DMH-37)	
CB-32	158.15		155.48 (8" TO OUTLET-5)	
CB-33	158.80	155.75 (FROM T.D.)	158.98 (TO DMH-39)	
CB-34	158.32		153.32 (TO DMH-39)	
CB-35	152.24		152.79 (TO DMH-40)	
CB-36	157.87		153.09 (TO DMH-40)	

STRUCTURE	RIM	INVERT (IN)	INVERT (OUT)	COMMENT
CB-37	155.46		144.05 (FROM BLD-19)	FULL OF DEBRIS
CB-38	140.39		151.65 (FROM CB-40)	TRENCH DRAIN
CB-39	152.85		151.71 (FROM CB-41)	TRENCH DRAIN
CB-40	152.91		151.71 (FROM CB-42)	TRENCH DRAIN
CB-41	152.90		151.71 (FROM CB-42)	TRENCH DRAIN
CB-42	152.93		151.71 (FROM CB-42)	TRENCH DRAIN
CB-43	151.98		149.68 (FROM CB-39)	
CB-44	151.19		141.09 (FROM CB-43)	INVERT OUT NOT VISIBLE
CB-45	152.00		140.99 (SEE COMMENT)	
CB-46	152.00		140.99 (SEE COMMENT)	
CB-47	138.94		137.24 (FROM T.D.)	
CB-48	176.73		173.78 (TO DMH-46)	
CB-49	172.74		173.78 (TO DMH-46)	
CB-50	174.88		170.44 (FROM CB-51)	
CB-51	174.94		171.44 (SEE COMMENT)	
CB-52	176.99		171.44 (TO CB-50)	
CB-53	176.02		174.28 (TO DMH-52)	
CB-54	175.88		172.36 (TO DMH-52)	
CB-55	175.87		170.88 (TO DMH-48)	
CB-56	175.99		173.97 (FROM BLD-78A)	
CB-57	174.81		164.66 (FROM DMH-51)	
CB-58	177.20		164.66 (FROM DMH-51)	
CB-59	176.02		167.45 (FROM BLD-78)	
CB-60	174.21		163.35 (FROM CB-57)	
CB-61	165.88		171.25 (SEE COMMENT)	
CB-62	164.99		162.66 (FROM DMH-53)	
CB-63	164.70		161.84 (FROM BLD-78)	
CB-64	164.62		162.20 (FROM BLD-10)	
CB-65	163.73		160.76 (FROM BLD-10)	
CB-66	161.29		160.62 (TO DMH-55)	
CB-67	160.83		160.62 (TO DMH-55)	
CB-68	162.11		160.62 (TO DMH-55)	
CB-69	154.69		149.798 (FROM BLD-3)	
CB-70	150.86		147.54 (FROM CB-69)	

STRUCTURE	RIM	INVERT (IN)	INVERT (OUT)	COMMENT
CB-71	150.55	146.95 (FROM CB-70)	146.91 (TO DRAIN LINE)	
CB-72	157.64		157.64 (TO CB-73)	
CB-73	157.44	155.84 (FROM CB-72)	155.54 (TO DMH-61)	FULL OF DEBRIS
CB-74	160.83		155.54 (TO DMH-61)	FULL OF DEBRIS
CB-75	163.77		155.54 (TO DMH-61)	FULL OF DEBRIS
CB-76	151.10		148.35 (TO DRAIN LINE)	
CB-77	149.25		144.45 (TO DMH-64)	
CB-78	138.11		135.31 (TO OUTLET)	OUTLET BURIED / NOT LOCATED
CB-79	139.58		136.23 (TO CB-80)	OUTLET BURIED / NOT LOCATED
CB-80	139.25	136.05 (FROM CB-79)	136.10 (TO OUTLET)	
CB-81	138.63		135.68 (TO DMH-66)	
CB-82	138.35	135.25 (FROM DMH-66)	134.80 (TO CB-83)	
CB-83	137.55		133.55 (TO DRAIN LINE)	
CB-84	135.96		134.21 (TO DRAIN LINE)	
CB-85	137.60		133.27 (TO CB-86)	
CB-86	137.66		132.16 (TO DMH-67)	
CB-87	138.46		132.01 (FROM CB-87)	FULL OF DEBRIS
CB-88	138.48		132.63 (8" TO DMH-68)	
CB-89	139.58		137.98 (TO CB-90)	
CB-90	139.58		136.03 (TO DMH-71)	
CB-91	139.68	136.38 (FROM 10739)	139.27 (TO CB-93)	
CB-92	140.90		139.07 (FROM CB-92)	
CB-93	141.01		138.91 (TO DMH-71)	
CB-94	129.28		134.21 (TO OUTLET-12)	FULL OF DEBRIS
CB-95	141.75		138.9 (TO CB-29)	
CB-96	141.81	138.61 (FROM CB-95)	138.36 (TO CB-98)	
CB-97	141.61		139.31 (TO CB-98)	
CB-98	141.68	138.33 (FROM CB-96)	137.98 (TO DMH-73)	
CB-99	145.32		142.92 (TO CB-100)	
CB-100	144.97	136.67 (FROM CB-99)	156.47 (TO OUTLET-15)	INVERT OUT TO ?
CB-101	154.13		151.48 (TO CB-104)	
CB-102	153.62		151.32 (TO CB-104)	
CB-103	154.41		151.01 (TO DMH-74)	
CB-104	153.89		150.34 (TO CB-104)	
CB-105	134.65	150.39 (FROM CB-102)	131.50 (15" TO OUTLET-14)	INVERTS IN ?
CB-106	148.61		144.86 (TO OUTLET-15)	
CB-107	142.70	139.60 (FROM U.D.)	139.50 (TO OUTLET-15)	INVERT OUT ?
CB-108	144.84		142.44 (TO OUTLET)	
CB-109	145.10		142.1 (TO OUTLET-16)	OUTLET BURIED / NOT LOCATED
CB-110	148.75		145.81 (TO OUTLET)	OUTLET BURIED / NOT LOCATED
CB-111	152.70		147.35 (TO ?)	INVERT OUT ?
CB-112	170.01		167.76 (TO CB-114)	
CB-113	169.89		168.04 (CB-114)	
CB-114	166.99		166.99 (TO ?)	
CB-115	146.09		143.89 (TO CB-116)	
CB-116	145.86	143.51 (FROM CB-115)	143.16 (TO DMH-75)	
CB-117	138.94		135.24 (TO DMH-15)	
CB-118	152.24		153.28 (TO DMH-76)	
CB-119	152.46		150.16 (TO DMH-57)	

NOTES:

- EXISTING CONDITIONS INFORMATION OBTAINED FROM AN AERIAL SURVEY PERFORMED BY COE-EAST, INC. OF NORTH ADAMS, MA IN NOVEMBER 2012.
- BOUNDARY LINE AND UTILITY INFORMATION OBTAINED FROM AN ON THE GROUND SURVEY PERFORMED BY CIVIL DESIGN CONSULTANTS, INC. OF METHUEN, MA IN 2012. SEE SHEETS 10-14 FOR ADDITIONAL INFORMATION.
- SEE SHEETS 4-5 FOR SITE CONTROL SUMMARY.
- BUILDINGS SHOWN ON THIS PLAN ARE THE RESULT OF THE AERIAL SURVEY REFERENCED IN NOTE 1 ABOVE AND INDICATE ROOF LINES.
- SEE SHEET 2 FOR GENERAL PROJECT NOTES, ABBREVIATIONS AND LEGEND.
- THE LOCATION OF ANY UTILITY INFORMATION SHOWN ON THIS PLAN IS BASED ON FIELD EVIDENCE AND RECORD PLANS. ADDITIONAL UTILITIES MAY EXIST THAT ARE NOT SHOWN HEREON. PRIOR TO ANY EXCAVATION ON SITE THE CONTRACTOR SHALL CONTACT DIG SAFE AT 811.



DRAIN MANHOLE STRUCTURE SUMMARY

STRUCTURE	RIM	INVERT (IN)	INVERT (OUT)	COMMENT
DMH-1	181.92	175.17 (FROM BLD-62)	173.38 (10" TO DMH-2)	
DMH-2	181.35	174.17 (FROM BLD-62)	171.71 (12" TO DMH-3)	
DMH-3	181.23	170.92 (FROM DMH-2)	171.13 (12" TO DMH-4)	
DMH-4	180.87	170.55 (FROM DMH-3)	170.87 (12" TO DMH-5)	
DMH-5	180.00	171.00 (FROM DMH-4)	170.58 (12" TO DMH-6)	
DMH-6	179.59	173.85 (FROM BLD-62)	173.94 (12" TO DMH-7)	
DMH-7	178.24	177.64 (FROM PARKING AREA #17)	(12" TO DMH-8)	OBSTRUCTED / COULD NOT OPEN
DMH-8	178.12	170.82 (FROM DMH-8)	170.10 (12" TO DMH-10)	BURIED / NOT LOCATED
DMH-9	178.12	170.82 (FROM DMH-8)	170.10 (12" TO DMH-10)	
DMH-10	174.58	170.98 (FROM BLD-61)	168.08 (15" TO DMH-11)	INVERT IN ?
DMH-11	173.31	167.21 (FROM DMH-10)	167.06 (15" TO DMH-12)	
DMH-12	173.48	167.01 (FROM DMH-11)	166.73 (15" TO DMH-16)	
DMH-13	179.89	173.35 (FROM DMH-11)	173.39 (8" TO DMH-14)	
DMH-14	178.36	166.39 (FROM CB-15)	(8" TO DMH-15)	OBSTRUCTED / COULD NOT OPEN
DMH-15	178.61	165.89 (FROM DMH-12)	(8" TO DMH-15)	OBSTRUCTED / COULD NOT OPEN
DMH-16	178.61	165.89 (FROM DMH-12)	165.89 (15" TO OUTLET)	OUTLET BURIED / NOT LOCATED
DMH-17	180.60	176.81 (FROM BLD-7)	173.1 (8" TO DMH-18)	
DMH-18	179.38	171.82 (FROM DMH-17)	171.58 (8" TO DMH-19)	
DMH-19	179.15	172.08 (FROM BLD-7)	170.90 (10" TO DMH-20)	
DMH-20	173.56	171.30 (FROM DMH-18)	167.45 (10" TO DMH-22)	
DMH-21	178.46	171.00 (FROM BLD-8)	170.01 (TO DMH-20)	INVERT IN ?
DMH-22	173.53	167.56 (FROM DMH-19)	167.52 (10" TO DMH-23)	INVERT IN ?
DMH-23	173.14	167.78 (FROM DMH-20)	167.49 (10" TO CB-14)	
DMH-24	184.65	178.61 (FROM WATER PIT)	177.18 (6" TO DMH-15)	
DMH-25	182.54	175.73 (FROM DMH-24)	175.68 (10" TO CB-16)	
DMH-26	183.57	174.45 (FROM BLD-5)	174.41 (6" TO DMH-26)	
DMH-27	183.57	178.92 (FROM BLD-5)	(10" TO DMH-30)	BURIED / NOT LOCATED
DMH-28	182.83	178.63 (FROM BLD-5)	178.59 (8" TO DMH-29)	INVERT IN ?
DMH-29	181.86	178.63 (FROM BLD-5)	174.71 (8" TO DMH-27)	
DMH-30	172.55	174.91 (FROM DMH-28)	165.75 (TO DMH-31)	
DMH-31	167.31	165.81 (FROM DMH-30)	159.96 (TO OUTLET-1)	INVERT IN ?
DMH-32	159.12	160.08 (SEE COMMENT)	153.72 (10" TO CB-22)	
DMH-33	168.08	162.31 (SEE COMMENT)	161.42 (4" TO DMH-34)	THROUGH BLD-4
DMH-34	167.15	153.82 (FROM CB-21)	160.29 (6" TO DMH-35)	
DMH-35	169.52	154.00 (FROM BLD-4)	158.32 (TO DMH-36)	
DMH-36	168.42	155.98 (FROM DMH-37)	155.79 (TO SMH-38)	INV. FROM DMH-35 NOT LOCATED
DMH-37	172.47	155.98 (FROM DMH-37)	(TO SMH-36)	INV. FROM CB-29 NOT LOCATED
DMH-38	167.68	152.94 (FROM DMH-35)	152.72 (TO OUTLET-3)	NO VISIBLE INVERT OUT
DMH-39	158.39	152.83 (FROM BLD-80)	(TO DMH-40)	COULD NOT OPEN COVER
DMH-40	157.66	151.91 (FROM CB-36)	151.31 (TO DMH-41)	
DMH-41	154.64	151.91 (FROM CB-36)	150.10 (15" TO DMH-42)	
DMH-42	152.58	150.22 (FROM DMH-39)	146.46 (15" TO OUTLET-7)	NO VISIBLE INVERT IN
DMH-43	151.28	150.98 (FROM BLD-82)	137.83 (18" TO CB-46)	
DMH-44	143.92	148.58 (FROM BLD-21)	136.4 (18" TO OUTLET-9)	
DMH-45	177.45	136.45 (FROM CB-46)	173.55 (TO CB-48)	OUTLET BURIED / NOT LOCATED
DMH-46	172.44	159.18 (FROM DMH-45)	168.39 (TO OUTLET-7)	
DMH-47	173.85	169.00 (FROM BLD-81)	167.47 (TO OUTLET)	OUTLET BURIED / NOT LOCATED
DMH-48	177.54	168.37 (FROM BLD-81)	170.18 (TO DMH-49)	
DMH-49	176.61	170.18 (FROM CB-53)	169.41 (TO DMH-50)	
DMH-50	177.41	169.48 (FROM DMH-48)	167.41 (TO DMH-51)	
DMH-51	177.45	169.38 (FROM BLD-78A)	166.4 (15" TO CB-57)	
DMH-52	172.41	169.38 (FROM BLD-78A)	163.23 (15" TO DMH-53)	
DMH-53	164.04	163.57 (FROM CB-50)	156.99 (TO DMH-57)	MANHOLE BURIED / NOT LOCATED
DMH-54	164.04	157.10 (FROM CB-62)	156.99 (TO DMH-57)	
DMH-55	164.78	157.25 (FROM DMH-56)	159.93 (TO CB-65)	
DMH-56	161.56	159.98 (FROM BLD-3)	158.11 (TO DMH-54)	
DMH-57	149.64	159.98 (FROM BLD-6)	158.11 (TO DMH-54)	
DMH-58	177.37	159.98 (FROM BLD-6)	158.11 (TO DMH-54)	
DMH-59	175.98	159.98 (FROM BLD-6)	158.11 (TO DMH-54)	
DMH-60	166.70	159.98 (FROM BLD-6)	158.11 (TO DMH-54)	
DMH-61	158.38	159.98 (FROM BLD-6)	158.11 (TO DMH-54)	
DMH-62	153.92	159.98 (FROM BLD-6)	158.11 (TO DMH-54)	
DMH-63	150.44	159.98 (FROM BLD-6)	158.11 (TO DMH-54)	
DMH-64	150.09	159.98 (FROM BLD-6)	158.11 (TO DMH-54)	
DMH-65	141.84	159.98 (FROM BLD-6)	158.11 (TO DMH-54)	
DMH-66	138.57	159.98 (FROM BLD-6)	158.11 (TO DMH-54)	
DMH-67	136.66	159.98 (FROM BLD-6)	158.11 (TO DMH-54)	