

Mountainside Drive Infrastructure Assessment Report

November 2025

PREPARED FOR:

Town of Winchester
338 Main Street
Winchester, CT 06098



Mountainside Drive Infrastructure Assessment Report

Town of Winchester

November 2025



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Section 1 Site Background

The Town of Winchester is soliciting developers for the redevelopment of the Mountainside Drive property located on Wallens Hill Road, north of Wallens Street. The property is approximately 118 acres in size and was previously approved for development as a conservation subdivision in 2004. Construction on the property began in 2006 but ultimately ceased in 2008 prior to completion. During this time, some infrastructure was installed, including approximately 4,300 feet of water main, 4,400 feet of sewer, 3,500 feet of drainage infrastructure, electrical and telecommunications structures, and ¼ mile of roadway binder course.

The Town took ownership of the property in 2015 and has decided that it would be best suited for residential development based on surrounding land uses, topography and road access. Since no infrastructure has been placed into service since the time of abandonment by the previous developer, the condition of the formerly installed assets was unknown.

As part of the redevelopment effort, The Town of Winchester has contracted with Apex Companies, LLC (Apex) to assess the existing infrastructure so that prospective Bidders may be better informed of the condition of the existing assets on the property. This assessment included visual inspection of the utilities at the surface, a CCTV inspection of portions of the underground drainage infrastructure, and hydrostatic pressure testing of both the water main and the low-pressure sewer system.

Select pages from the designing Engineer's original Record Drawings of the site are included in Appendix A, with annotations by Apex identifying areas reviewed.

Section 2 Visual Inspection

Apex conducted visual inspections of the accessible surface infrastructure, including manholes, catch basins, and electrical/telecommunications equipment.

Section 2.1 Visual Inspection Methods

Representatives from Apex conducted a walk-through of the site to visually inspect accessible infrastructure and assess the overall condition of the existing assets on the property. Structures were inspected for signs of deterioration, damage, missing parts, and other flaws. A summary of the findings from this inspection is provided in Section 2.2 below, while a detailed report of each structure is provided in Appendix B.

Section 2.2 Visual Inspection Results

Section 2.2.1 Drainage Structures

Over the years, storm runoff caused sediment to settle around the catch basins (CB) in the areas where the asphalt binder course had been installed. At these locations, vegetative growth around the tops of the basins has occurred. From the investigation, it does not appear that growth around the structures has caused any structural damage to the basins, but there are basins where sediment accumulation made it difficult to get an accurate measurement of the depth of the basins. In both the paved and unpaved areas, there are basins where small saplings (<6") have started to grow adjacent to the basin tops and curb inlets. It does not appear in any of these locations that root growth from this vegetation has caused any interior damage. These gravity stormwater basins and associated piping were not plugged or hydrostatically tested to determine the structural integrity for the purposes of this visual inspection.

Based on the field inspection, the catch basins are all prefabricated concrete structures, and all conveyance piping is constructed of corrugated HDPE piping. Any structures that required risers are constructed with concrete block/bricks to provide additional height to the basin. Many of the structures also contain a smooth 4-inch PVC pipe which are identified in the reports in Appendix B. It is unknown what these were intended to connect to the properties. Based on review of all the basins during this investigation, no standing water was observed which would indicate a collapse of conveyance piping along the run. It is thought that these basins all drain properly to their final outlet. The outlet locations were not observed as part of this assessment. No oil/water separators were observed in any of the basins.

Table 1 below summarizes the inspections of the catch basins. Of the 35 catch basins inspected on site, 14 were determined to be in "Good" condition, 18 in "Fair" condition, 1 "Compromised" and 2 inaccessible due to biological hazards (poison ivy).



Photo 1: CB 3 parge coat issues and cracking



Photo 2: CB 12 parge coat missing

Table 1: Catch Basin Conditions

CB ID #	Accessible?	Overall Condition of Basin	Comments
1	Yes	Fair	No interior parging present; pipe is surrounded by mortared brick
1A	Yes	Good	
2	Yes	Fair	No interior parging present; pipe is surrounded by mortared brick
3	Yes	Fair	Deteriorating parge coat and moderate horizontal cracking
4	No	NA	Inaccessible- Poison Ivy surrounding basin
5	Yes	Good	
6	Yes	Fair	Interior parging around pipe showing signs of deterioration
7	Yes	Good	
7A	Yes	Good	
8	Yes	Good	
9	Yes	Fair	Interior parging around pipe showing signs of deterioration
10	Yes	Fair	No interior parging present; pipe is surrounded by mortared brick
11	Yes	Fair	Interior parging around pipe showing signs of deterioration
12	Yes	Fair	No interior parging present; pipe is surrounded by mortared brick
13	Yes	Fair	No interior parging present; pipe is surrounded by mortared brick
14	No	NA	Inaccessible- Poison Ivy surrounding basin
15	Yes	Fair	No interior parging present; pipe is surrounded by mortared brick

16	Limited	Good	Frame Missing, Poison Ivy nearby, Double Basin, contains PVC Force Main running through the basin
17	Yes	Fair	Interior parging around pipe showing signs of deterioration
18	Yes	Fair	Interior parging around pipe showing signs of deterioration
18A	Yes	Fair	Riser mortar in moderate condition, some root growth in basin
19	Yes	Fair	Riser mortar in moderate condition
20	Yes	Fair	Interior parging around pipe showing signs of deterioration, riser mortar in moderate condition
21	Yes	Fair	Some chipping in wall of basin
22	Yes	Fair	Grate inside of basin, some horizontal cracking near pipe penetration
23	Yes	Good	Grate inside of basin
23A	Yes	Good	Grate inside of basin, debris in basin
24	Yes	Good	Grate missing, debris in basin
25	Yes	Good	Grate inside of basin
26	Yes	Fair	Grate inside of basin, moderate cracking in wall
27	Yes	Good	Grate inside of basin
28	Yes	Good	Grate missing
29	Yes	Good	Grate missing
30	Limited	Compromised	Large hole in basin wall, will need to be replaced. Piping below hole appears intact
33	Yes	Good	Grate inside of basin

Overall, there is 1 basin (#30) that is compromised to the point of needing to be replaced and three basins (#3, #22, #26) showing signs of structural damage due to horizontal cracks emanating from a pipe protrusion. The basins identified to be in "Fair Condition" due to parging concerns do not exhibit signs of infiltration/inflow into the basin and should be able to be rehabilitated in place to remain in use. It is unknown from this investigation if the exterior of the structures at pipe protrusion locations have been parged/sealed.

Section 2.2.2 Sewer Manholes

Thirteen sewer manholes were identified during the visual inspection of the property. Five of the manholes were unable to be opened. The manholes that were able to be accessed had standing water in them up to the bottom of the frame. During the inspection, the only observable item within the sewer manholes was an air release riser with a cam lock adaptor. Some locations had dust caps on this adaptor, and some did not. It is unknown how long water had been in these structures. Table 2 below summarizes the sewer manhole observations. Reports associated with the visual inspection of the sewer cleanouts can be found in Appendix C.



Photo 3: General water level in sewer manholes



Photo 4: Dust cap intact in SC 2

Table 2: Sewer Manhole Conditions

SC ID #	Accessible?	Frame/Cover Condition	Comments
1	Yes	Good	Water up to the top of the basin. Unable to observe interior piping.
2	Yes	Good	Water up to the top of the basin. Unable to observe interior piping.
3	Yes	Good	Water up to the top of the basin. Unable to observe interior piping.
5	No	Unknown	Buried, unable to open in field
6	Yes	Good	Water up to the top of the basin. Unable to observe interior piping.
7	Yes	Good	Unable to open in field
8	Yes	Frame Good, Cover Missing	Water up to the top of the basin. Unable to observe interior piping.
9	Yes	Frame Good, Cover Missing	Water up to the top of the basin. Unable to observe interior piping.
10	Yes	Frame Good, Cover Missing	Water up to the top of the basin. Unable to observe interior piping.
11	Somewhat	Good	Partially buried, unable to open in field
12	Yes	Good	Partially Buried, unable to open in field
13	Yes	Good	Unable to open in field

Section 2.2.3 Electrical Vaults/Transformer Vaults/Telecommunications Equipment

Sixteen (16) electrical equipment stations were identified throughout the property along Mountainside Drive and Hayfield Lane. There are no existing as-built drawings to identify locations of this equipment, so there is a possibility that additional stations exist which were not identified for inspection. It is believed that a representative number of locations have been observed to provide an informed assessment of this equipment.

In general, the electrical structures that were observed are in good condition. The transformer vaults are all precast concrete structures with rectangular openings in the top slab for transformer installation. The electrical vaults are constructed of round precast concrete structures with a plastic cover which can be bolted down. The communications boxes are constructed of green poly. None of the structures observed during this investigation had standing water in them indicating that these structures likely have an earthen bottom.

Both the transformer and electrical vaults contain multiple PVC conduits. In some locations these conduits appear to terminate within 5-ft of the structure, with a vertical pipe indicating where the conduit terminates. It is not believed that connections between the electrical stations exist.

Overall, the electrical vaults, transformer vaults, and telecommunications equipment appear to be in a condition that would allow them to be used for future development. Table 3 below summarizes the observed conditions of the electrical and communications structures.

Reports associated with the visual inspection of this equipment can be found in Appendix D.



Photo 5: E1 Transformer Vault, E-Vault, Comms Equipment



Photo 6: General appearance inside of vaults

Table 3: Electrical and Communications Structure Conditions

ID #	Electrical Vault Present?	Transformer Vault Present?	Communication Equipment Present?	Overall Condition	Comments
1	✓	✓	✓	Good	
2	✓		✓	Good	E-Vault cover partially buried
3	✓		✓	Good	E-Vault cover partially buried
4		✓	✓	Good	
5	✓		✓	Good	E-Vault cover partially buried
6	✓	✓	✓	Good	2, E-Vaults at this location, one cover missing, other could not be opened in field
7	✓			Good	E-Vault cover partially buried
8			✓	Good	
9	✓			Good	
10		✓	✓	Good	Concrete Transformer cover out of place
11	✓		✓	Good	
12	✓			Good	E-Vault cover partially buried
13	✓		✓	Good	
14		✓	✓	Fair	Minor cracking in Transformer Vault
15	✓			Good	E-Vault cover partially buried
16	✓		✓	Fair	Minor chipping in E-Vault walls

Section 3 Water Main Pressure Test

Apex subcontracted the work associated with hydrostatic pressure testing of the approximately 4,300 LF of existing water main. The goal of this test was to determine if the system has remained intact over the 17 years that the infrastructure has been unused. The test consisted of filling the system with water and pressurizing the sections of main up to 150 PSI. With the assistance of the Town of Winstead Dept. of Public Works, water was introduced from the distribution system on Wallens Hill Road and allowed to flush to the highest elevation hydrant on Mountainside Drive. Flushing of the main was performed for over 45 minutes to remove air and any debris which may have been present in the main.

The water mains and hydrant laterals were flushed in accordance with AWWA C651. Hydrostatic pressure testing was performed per AWWA C600 standards. The water main was tested in two separate sections, as outlined in Appendix A. For a section of main to be considered hydrostatically sound, it must be able to sustain a pressure of 150 psi for 1 hour, and stay within the allowable leakage as calculated in the full report in Appendix E.

Section 3.1 Test 1 – Mountainside Drive and Hayfield Lane

During Test 1, the water main was opened from the first hydrant on Mountainside Drive near CB#4 to the valve cluster at the corner of Mountainside Drive and Algonquin Circle, including Hayfield Lane. This section consists of 835 feet of 8" ductile iron (DI) and 1490 feet of 12" DI. The allowable leakage for Test 1 was calculated to be 2.02 gal/hour.

The subcontractor who carried out the test reported an actual leakage of 1.7 gal/hour after the test. This portion of the water main was able to hold at 150 PSI for an hour while staying within the allowable leakage, so it is considered to have passed the hydrostatic pressure test by AWWA C600 standards. Under typical distribution system pressures, the leakage in this section would be less than what was identified during this test.

Section 3.2 Test 2 – Ridgefield Place South

During Test 2, the water main was isolated from the corner of Mountainside Drive and Algonquin Circle to where water was introduced to the system on Wallens Street. This section consists of 2000 feet of 12" DI. This length of main was unable to hold the test pressure, so the test length was shortened by closing the valve at the corner of Ridgefield Place and Algonquin Circle and retested. This shorter length of main also could not hold at the 150 PSI test pressure and returned to a pressure of about 60 PSI. The test was unable to be conducted from the Ridgefield Place valve cluster to Wallens Street due to an inability to get the testing truck back to a hydrant in the area.

It is possible that this section of water main is still intact and functional, however, additional flushing of valves through hydrants on the site and subsequent retesting of the system would be needed to determine the cause of the failure of the test.

Section 4 Sewer Pressure Test

Apex subcontracted the work associated with hydrostatic pressure testing of the low-pressure force main sewer system. This test consisted of filling the system with water and pressurizing the sections of main up to 110 PSI. Multiple test attempts at various piping lengths were conducted along the low-pressure sewer system to identify if there were any leaks. Each attempt and its subsequent results are described below. Pressure test report forms, filled out by Apex's onsite representative, are available in Appendix F.

Prior to starting any of the tests, the contractor pumped the manholes dry to access the interior valving. Each manhole contained PVC piping and three PVC quarter turn ball valves along with piping for an air release to be attached.

Section 4.1 Test 1 – Entire System

During the first test, the subcontractor attempted to perform the hydrostatic pressure test on the entire low-pressure sewer system. While attempting to pump the system up to the required test pressure of 110 PSI, significant leakage was noticed at SC1, so the test was abandoned. At the time of attempt 1, it was determined that the system would need to be flushed before another attempt was made.

Section 4.2 Test 2 – Mountainside Drive and Hayfield Lane

The second attempt at pressure testing the low-pressure sewer system on site occurred after a flushing of the sewer on Mountainside Drive and Hayfield Lane. The test began by opening the entire system again, except for SC1 as visible leakage was observed there during attempt 1.

Soon after pumping began during attempt 2, visible leakage was observed at SC7, so the system was closed off beyond SC6. Several attempts were made to pump this shortened length of sewer up to 110 PSI, but the system could not hold there for more than a couple of minutes and repeatedly fell to a pressure of around 80 PSI.

The test length was then shortened again by closing off from SC5 to SC6, leaving open only the V-shaped run from SC2 to SC3 and SC5. Similar results were achieved, and it was determined that the portions of sewer tested did not pass hydrostatic pressure testing per AWWA C605 standards.

Based on the observable leaks within multiple manholes while the test is being performed, it is recommended that the existing ball valves that have been sitting in water for an unknown amount of time be removed and replaced at all sewer manhole locations and that the test be rerun. This would identify whether there are leaks in the piping between the manholes.

Section 5 CCTV

To examine the drainage infrastructure onsite, Apex hired a subcontractor to perform closed-circuit television (CCTV) inspection. CCTV videos were provided from the subcontractor to Apex for review. Of the approximate 3,500 feet of HDPE drainage onsite, approximately 745 feet were examined via CCTV as a representative sampling the drainage condition.

Upon review of the footage, Apex found that all the examined HDPE drainage appear to be in good structural condition and free of defects. There was one small blockage noted in the pipe connecting CB5 and CB6 as well as what appears to be some minor root growth originating from CB3 heading towards CB5 which flushing or pipe cleaning should be able to address. There were also some locations where minor bellying/sagging was observed which held pooled water, but these do not appear to be significant in nature.



Photo 7: Blockage between CB5 and CB6



Photo 8: Root growth from CB3 into drain line

Based on the condition of the observed portion of drainage pipe, it is likely that much of the drainage infrastructure on site is in a functional condition.

Section 6 Recommendations

Section 6.1 Drainage Infrastructure

Apex's visual inspection of the drainage infrastructure on site revealed that the system is functional, as no visible standing water, pooling, or clogging of any kind was identified. The representative CCTV sample shows that the pipes are almost entirely clear with no visible cracking and no significant bellying.

The catch basins also appear to be in good shape, though some of the basins are missing a parge coat, and the pipes are surrounded only by brick instead. The curb inlets and frames are in good shape, though some grates are missing as noted in section 2.2.1. The structure of CB #30 is compromised, as there are large holes in the concrete walls and much of the soil around the structure has eroded away. CBs #3, #22, #26 also show signs of structural damage due to horizontal cracks emanating from a pipe protrusion.

Overall, the system appears to be functioning properly and is in good shape. Some missing frames will need to be replaced, CB #30 should be replaced, and it would be beneficial to parge coat the interior of basins where it is deteriorating or non-existent to provide an additional layer of protection from water infiltrating into the structures in the future.

Section 6.2 Sewer Manholes

Apex's visual inspection revealed that the sewer cleanout manhole frames are in good condition, some covers are missing, and that all observed manholes had been filled with water to above the top rung of the ladder. Based on the amount of water in each manhole, the structures appear to be in sound condition. It is recommended that the manhole covers be changed to solid tops from their current design which has a hole in the middle of them. Interior piping is discussed further in section 6.5.

Section 6.3 Electrical and Telecommunications Equipment

Visual inspection of the electrical vaults, transformer vaults, and telecommunications equipment revealed that nearly all the structures discovered on site are intact. Minor cracking and chipping were observed in two concrete structures. It is believed that overall, the electrical and telecommunications equipment onsite is in good condition and can be used to install electrical equipment in future development.

Section 6.4 Water Main

Of the 4,300 feet of water main on the site, just over 2,300 feet passed Apex's hydrostatic pressure testing. This portion of the water main is likely in good, functional condition. The other 2,000 feet did not pass as it could not reach the necessary test pressure. During testing, the section from Algonquin Circle to Wallens Street repeatedly returned to street pressure (approximately 60 PSI). It is possible that the initial flushing was not sufficient in flushing the valves, which can prevent a valve from fully closing. Further flushing and retesting may yield better results. However, it is also possible that a leak is present somewhere in the system, causing the failure to reach test pressure.

Section 6.5 Low-Pressure Sewer

When working with the subcontractor to perform hydrostatic tests on the low-pressure sewer system, pressures required pass the system were unable to be achieved. While pumping the system with water, visible leakage was observed at several of the manholes (SC1, SC4, and SC7) and the system was unable to maintain the test pressure of 110 PSI, though portions of the system were able to stabilize 80 PSI.

It is possible that the water that was observed in the manholes during the visual inspection had been present in the system for an extended period of time, which may have caused damage by weakening fitting adhesives or expanding pipes and fittings by freezing during low temperatures.

Based on the visible leakage in multiple manholes, Apex would suggest replacing internal valves/fittings within the sewer manholes sitewide and retesting prior to any extensive exploration requiring excavation.

Section 6.6 CCTV

Based on the CCTV videos observed along Mountainside Drive and Hayfield Lane, underground HDPE drainage piping appears to be in acceptable condition. There was some root growth observed from vegetation originating in and around the catch basin structures that has grown into some of the outlet sides of the drain lines which should be removed, but its piping seams along drainage runs between catch basins appear to be intact. There was some bellying/sagging in a couple of the runs, but this was minor in nature where observed and does not restrict storm water from flowing through the system.

Appendix A

Record Drawings with Apex Annotations and Field Observations



Appendix B

Catch Basin Inspection Forms

CATCH BASIN INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
 Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB1
 Accessible? Yes
 Street Mountainside Dr
 Exterior Photo# CB1-A
 Interior Photo # CB1-B

CB Location

Street or Curb Line Curb Line
 Other?

Frame and Grate

Material Galv. Steel
 Frame Condition Good
 Grate Condition Good

Overall Depth

Inches from Frame to
 bottom of structure* 58-in

*many basins have sediment in the bottom
 which will affect this height measurement

Wall

Type Concrete
 Condition Fair
 I/I? No

Comments Brick around pipe; no
 parging

Outlet Pipe #1

Size (in) 16-in
 Material HDPE

CB Functionality

Functional Yes

Riser

Type NA
 Condition
 Any I/I
 Comments

Curb Inlet

Material Concrete
 Condition Good

Pipe orientation

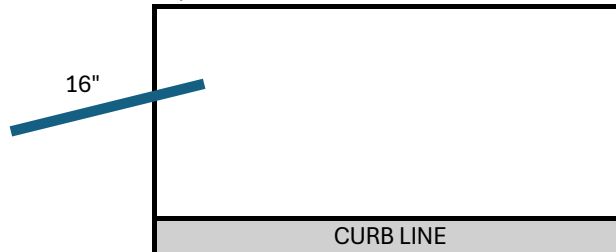


Photo CB1-A



Photo CB1-B



CATCH BASIN INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
 Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB1A
 Accessible? Yes
 Street Mountainside Dr
 Exterior Photo# CB1A-A
 Interior Photo # CB1A-B

CB Location

Street or Curb Line Curb Line
 Other?

Frame and Grate

Material Galv. Steel
 Frame Condition Good
 Grate Condition Good

Overall Depth

Inches from Frame to bottom of structure* 58-in

*many basins have sediment in the bottom which will affect this height measurement

Wall

Type Concrete
 Condition Good
 I/I? No
 Comments

CB Functionality

Functional Yes

Riser

Type NA
 Condition
 Any I/I
 Comments

Curb Inlet

Material Concrete
 Condition Good

Inlet Pipe #1

Size (in) 16-in
 Material HDPE

Outlet Pipe #2

Size (in) 16-in
 Material HDPE

Inlet Pipe #3

Size (in) 4-in
 Material PVC

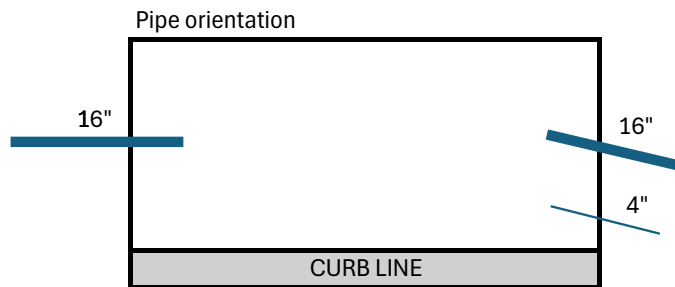


Photo CB1A-A



Photo CB1A-B



CATCH BASIN INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB2
Accessible? Yes
Street Mountainside Dr
Exterior Photo# CB2-A
Interior Photo # CB2-B

CB Location

Street or Curb Line Curb Line
Other?

Frame and Grate

Material Galv. Steel
Frame Condition Good
Grate Condition Good

Overall Depth

Inches from Frame to
bottom of structure* 60-in

*many basins have sediment in the bottom
which will affect this height measurement

Wall

Type Concrete
Condition Fair
I/I? No

Comments Brick around pipe; no
parging

Outlet Pipe #1

Size (in) 15-in
Material HDPE

CB Functionality

Functional Yes

Riser

Type NA
Condition
Any I/I
Comments

Curb Inlet

Material Concrete
Condition Good

Pipe orientation

15"

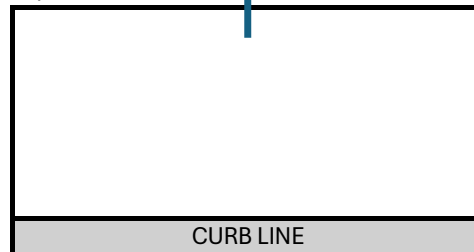


Photo CB2-A



Photo CB2-B



CATCH BASIN INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
 Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB3
 Accessible? Yes
 Street Mountainside Dr
 Exterior Photo# CB3-A
 Interior Photo # CB3-B

CB Location

Street or Curb Line Curb Line
 Other?

Frame and Grate

Material Galv. Steel
 Frame Condition Good
 Grate Condition Good

Overall Depth

Inches from Frame to bottom of structure* 65-in

*many basins have sediment in the bottom which will affect this height measurement

Wall

Type Concrete
 Condition Fair
 I/I? No
 Comments Some horizontal cracking in the parge coat on the upstream side

CB Functionality

Functional Yes

Riser

Type NA
 Condition
 Any I/I
 Comments

Curb Inlet

Material Concrete
 Condition Good

Inlet Pipe #1

Size (in) 16-in
 Material HDPE

Inlet Pipe #2

Size (in) 16-in
 Material HDPE

Inlet Pipe #3

Size (in) 4-in
 Material PVC

Outlet Pipe #4

Size (in) 16-in
 Material HDPE

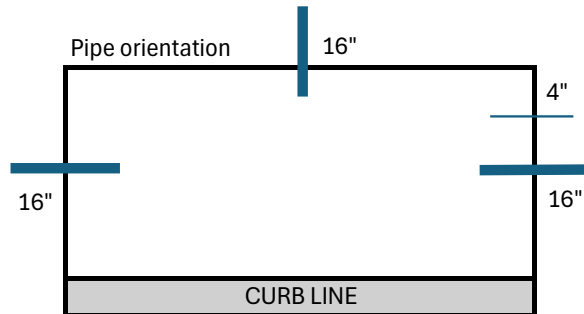


Photo CB3-A



Photo CB3-B



CATCH BASIN INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
 Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB4
 Accessible? OK - Poison Ivy Near
 Street Mountainside Dr
 Exterior Photo# CB4-A
 Interior Photo # NA

CB Location

Street or Curb Line Curb Line
 Other?

Frame and Grate

Material Galv. Steel
 Frame Condition Good
 Grate Condition Good

Overall Depth

Inches from Frame to
 bottom of structure* 48-in

*many basins have sediment in the bottom
 which will affect this height measurement

Wall

Type Concrete
 Condition Good
 I/I? No
 Comments

CB Functionality

Functional Yes

Riser

Type Concrete
 Condition Good
 Any I/I No
 Comments

Curb Inlet

Material Concrete
 Condition Good

Outlet Pipe #1

Size (in) 15-in
 Material HDPE

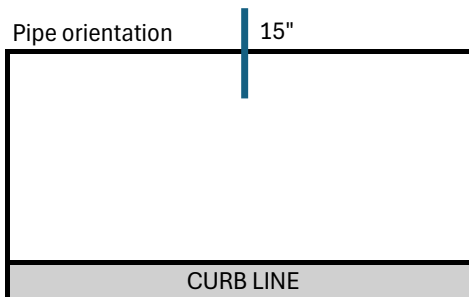


Photo CB4-A



Was not able to get a photo of the interior of this basin
 due to the presense of poison ivy around this basin.

CATCH BASIN INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
 Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB5
 Accessible? Yes
 Street Mountainside Dr
 Exterior Photo# CB5-A
 Interior Photo # CB5-B

CB Location

Street or Curb Line Curb Line
 Other? _____

Frame and Grate

Material Galv. Steel
 Frame Condition Good
 Grate Condition Good

Overall Depth

Inches from Frame to bottom of structure* 62-in

*many basins have sediment in the bottom which will affect this height measurement

Wall

Type Concrete
 Condition Good
 I/I? No
 Comments _____

CB Functionality

Functional Yes

Riser

Type Concrete
 Condition Good
 Any I/I No
 Comments _____

Curb Inlet

Material Concrete
 Condition Good

Inlet Pipe #1

Size (in) 16-in
 Material HDPE

Inlet Pipe #2

Size (in) 16-in
 Material HDPE

Outlet Pipe #3

Size (in) 16-in
 Material HDPE

Inlet Pipe #4

Size (in) 4-in
 Material PVC

Inlet Pipe #5

Size (in) 4-in
 Material PVC

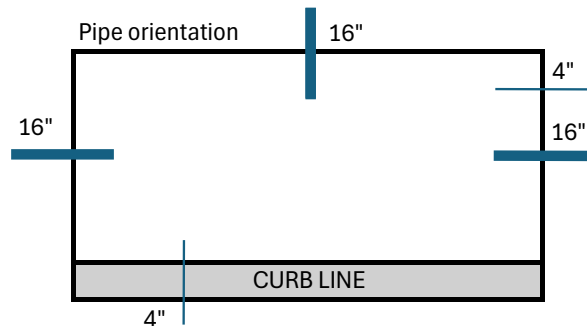


Photo CB5 -A



Photo CB5-B



CATCH BASIN INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
 Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB6
 Accessible? Yes
 Street Mountainside Dr
 Exterior Photo# CB6-A
 Interior Photo # CB6-B

CB Location

Street or Curb Line Curb Line
 Other?

Frame and Grate

Material Galv. Steel
 Frame Condition Good
 Grate Condition Good

Overall Depth

Inches from Frame to
 bottom of structure* 57-in

*many basins have sediment in the bottom
 which will affect this height measurement

Wall

Type Concrete
 Condition Good
 I/I? No
 Comments

CB Functionality

Functional Yes

Riser

Type Concrete
 Condition Good
 Any I/I No
 Comments

Curb Inlet

Material Concrete
 Condition Good

Inlet Pipe #1

Size (in) 16-in
 Material HDPE

Outlet Pipe #2

Size (in) 16-in
 Material HDPE

Inlet Pipe #3

Size (in) 4-in
 Material PVC

Inlet Pipe #4

Size (in) 4-in
 Material PVC

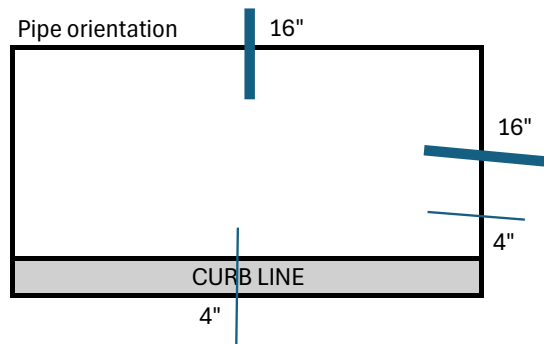


Photo CB6-A



Photo CB6-B



CATCH BASIN INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
 Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB7
 Accessible? Yes
 Street Mountainside Dr
 Exterior Photo# CB7-A
 Interior Photo # CB7-B

CB Location

Street or Curb Line Curb Line
 Other?

Frame and Grate

Material Galv. Steel
 Frame Condition Good
 Grate Condition Good

Overall Depth

Inches from Frame to
 bottom of structure* 66-in

*many basins have sediment in the bottom
 which will affect this height measurement

Wall

Type Concrete
 Condition Good
 I/I? No
 Comments

CB Functionality

Functional Yes

Riser

Type Concrete brick
 Condition Good
 Any I/I No
 Comments

Curb Inlet

Material Concrete
 Condition Good

Inlet Pipe #1

Size (in) 18-in
 Material HDPE

Outlet Pipe #2

Size (in) 18-in
 Material HDPE

Inlet Pipe #3

Size (in) 4-in
 Material PVC

Inlet Pipe #4

Size (in) 4-in
 Material PVC

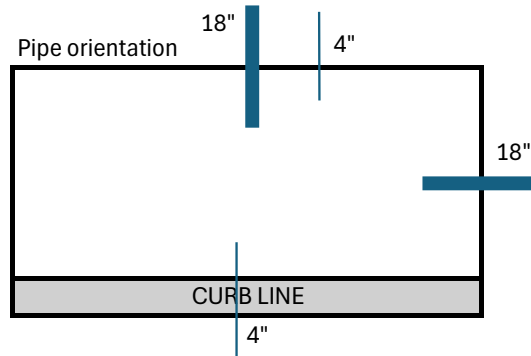


Photo CB7-A



Photo CB7-B



CATCH BASIN INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
 Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB7A
 Accessible? Yes
 Street Hayfield Ln
 Exterior Photo# CB7A-A
 Interior Photo # CB7A-B

CB Location

Street or Curb Line Curb Line
 Other?

Frame and Grate

Material Galv. Steel
 Frame Condition Good
 Grate Condition Good

Overall Depth

Inches from Frame to bottom of structure* 54-in

*many basins have sediment in the bottom which will affect this height measurement

Wall

Type Concrete
 Condition Good
 I/I? No
 Comments

CB Functionality

Functional Yes

Riser

Type NA
 Condition
 Any I/I
 Comments

Curb Inlet

Material Concrete
 Condition Good

Inlet Pipe #1

Size (in) 18-in
 Material HDPE

Outlet Pipe #2

Size (in) 18-in
 Material HDPE

Inlet Pipe #3

Size (in) 4-in
 Material PVC

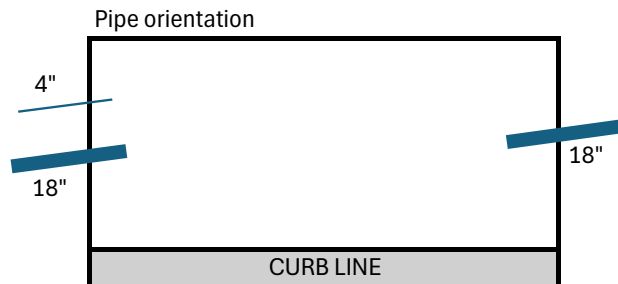


Photo CB7A-A



Photo CB7A-B



CATCH BASIN INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
 Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB8
 Accessible? Yes
 Street Hayfield Ln
 Exterior Photo# CB8-A
 Interior Photo # CB8-B

CB Location

Street or Curb Line Curb Line
 Other?

Frame and Grate

Material Galv. Steel
 Frame Condition Good
 Grate Condition Good

Overall Depth

Inches from Frame to
 bottom of structure* 56-in

*many basins have sediment in the bottom
 which will affect this height measurement

Wall

Type Concrete
 Condition Good
 I/I? No
 Comments

CB Functionality

Functional Yes

Riser

Type NA
 Condition
 Any I/I
 Comments

Curb Inlet

Material Concrete
 Condition Good

Outlet Pipe #1

Size (in) 18-in
 Material HDPE

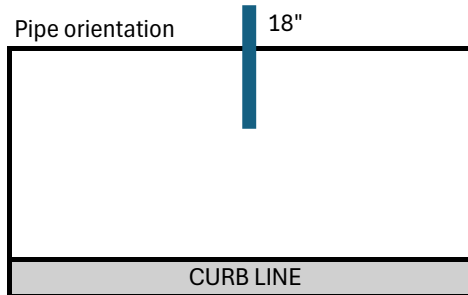


Photo CB8-A



Photo CB8-B



CATCH BASIN INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
 Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB9
 Accessible? Yes
 Street Hayfield Ln
 Exterior Photo# CB9-A
 Interior Photo # CB9-B

CB Location

Street or Curb Line Curb Line
 Other?

Frame and Grate

Material Galv. Steel
 Frame Condition Good
 Grate Condition Good

Overall Depth

Inches from Frame to
 bottom of structure* 57-in

*many basins have sediment in the bottom
 which will affect this height measurement

Wall

Type Concrete
 Condition Fair
 I/I? No

Comments Parging around pipe that
 goes across the road is
 chipping

CB Functionality

Functional Yes

Riser

Type NA
 Condition
 Any I/I
 Comments

Curb Inlet

Material Concrete
 Condition

Inlet Pipe #1

Size (in) 18-in
 Material HDPE

Inlet Pipe #2

Size (in) 16-in
 Material HDPE

Outlet Pipe #3

Size (in) 16-in
 Material HDPE

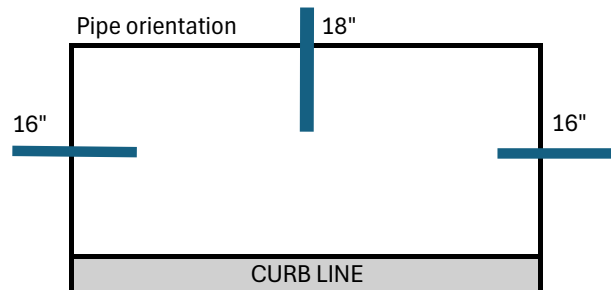


Photo CB9-A



Photo CB9-B



CATCH BASIN INSPECTION FORM
Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB10
Accessible? Yes
Street Hayfield Ln
Exterior Photo# CB10-A
Interior Photo # CB10-B

CB Location

Street or Curb Line Curb Line
Other? _____

Frame and Grate

Material Galv. Steel
Frame Condition Good
Grate Condition Good

Overall Depth

Inches from Frame to
bottom of structure* 48-in

*many basins have sediment in the bottom
which will affect this height measurement

Wall

Type Concrete
Condition Good
I/I? No

Comments Brick around pipe; no
parging

CB Functionality

Functional Yes

Riser

Type Concrete Brick
Condition Fair
Any I/I No
Comments _____

Curb Inlet

Material Concrete
Condition Good

Outlet Pipe #1

Size (in) 18-in
Material HDPE

Pipe orientation 18"

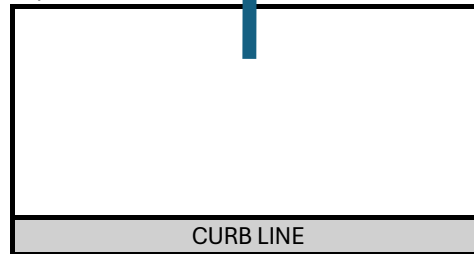


Photo CB10-A



Photo CB10-B



CATCH BASIN INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
 Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB11
 Accessible? Yes
 Street Hayfield Ln
 Exterior Photo# CB11-A
 Interior Photo # CB11-B

CB Location

Street or Curb Line Curb Line
 Other?

Frame and Grate

Material Galv. Steel
 Frame Condition Good
 Grate Condition Good

Overall Depth

Inches from Frame to
 bottom of structure* 82

*many basins have sediment in the bottom
 which will affect this height measurement

Wall

Type Concrete
 Condition Fair
 I/I? No
 Comments Chipping in parging

Inlet Pipe #1

Size (in) 18-in
 Material HDPE

Inlet Pipe #2

Size (in) 18-in
 Material HDPE

CB Functionality

Functional Yes

Riser

Type NA
 Condition
 Any I/I
 Comments

Outlet Pipe #3

Size (in) 18-in
 Material HDPE

Inlet Pipe #4

Size (in) 4-in
 Material PVC

Curb Inlet

Material Concrete
 Condition Good

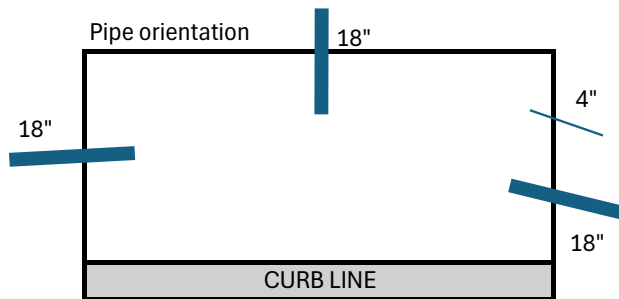


Photo CB11-A



Photo CB11-B



CATCH BASIN INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
 Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB12
 Accessible? Yes
 Street Hayfield Ln
 Exterior Photo# CB12-A
 Interior Photo # CB12-B

CB Location

Street or Curb Line Curb Line
 Other?

Frame and Grate

Material Galv. Steel
 Frame Condition Good
 Grate Condition Good

Overall Depth

Inches from Frame to
 bottom of structure* 43-in

*many basins have sediment in the bottom
 which will affect this height measurement

Wall

Type Concrete
 Condition Good
 I/I? No
 Comments Brick around pipe; no
parging

Outlet Pipe #1

Size (in) 18-in
 Material HDPE

Inlet Pipe #2

Size (in) 4-in
 Material PVC

CB Functionality

Functional Yes

Riser

Type NA
 Condition
 Any I/I
 Comments

Curb Inlet

Material Concrete
 Condition Good

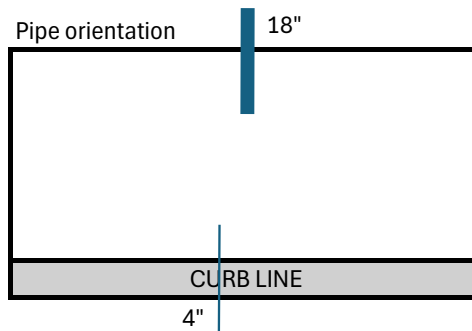


Photo CB12-A



Photo CB12-B



CATCH BASIN INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
 Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB13
 Accessible? Yes
 Street Hayfield Ln
 Exterior Photo# CB13-A
 Interior Photo # CB13-B

CB Location

Street or Curb Line Curb Line
 Other?

Frame and Grate

Material Galv. Steel
 Frame Condition Good
 Grate Condition Good

Overall Depth

Inches from Frame to
 bottom of structure* 58-in

*many basins have sediment in the bottom
 which will affect this height measurement

Wall

Type Concrete
 Condition Good
 I/I? No
 Comments

CB Functionality

Functional Yes

Riser

Type NA
 Condition
 Any I/I
 Comments

Curb Inlet

Material Concrete
 Condition Good

Inlet Pipe #1

Size (in) 18-in
 Material HDPE

Inlet Pipe #2

Size (in) 18-in
 Material HDPE

Outlet Pipe #3

Size (in) 20-in
 Material PVC

Inlet Pipe #4

Size (in) 4-in
 Material PVC

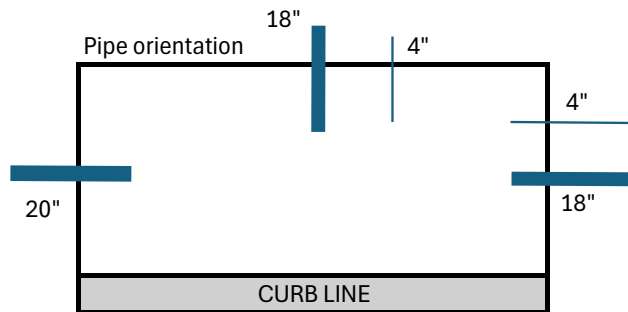


Photo CB13-A



Photo CB13-B



CATCH BASIN INSPECTION FORM
Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB14
Accessible? NO-Poison Ivy
Street Hayfield Ln
Exterior Photo# CB14-A
Interior Photo # NA

CB Location

Street or Curb Line Curb Line
Other? _____

Frame and Grate

Material Galv. Steel
Frame Condition _____
Grate Condition _____

Overall Depth

Inches from Frame to
bottom of structure* _____

*many basins have sediment in the bottom
which will affect this height measurement

Wall

Type UNK
Condition _____
I/I? _____
Comments _____

CB Functionality

Functional UNK

Riser

Type UNK
Condition _____
Any I/I _____
Comments _____

Curb Inlet

Material Concrete
Condition Good

Outlet Pipe #1

Size (in) UNK
Material _____
Position _____

Pipe orientation

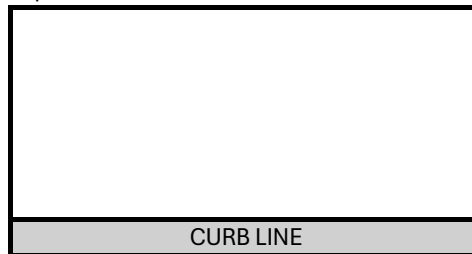


Photo CB14-A



Was not able to get a photo of the interior of this basin
due to the presense of poison ivy around this basin.

CATCH BASIN INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
 Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB15
 Accessible? Yes
 Street Hayfield Ln
 Exterior Photo# CB15-A
 Interior Photo # CB15-B

CB Location

Street or Curb Line Curb Line
 Other? _____

Frame and Grate

Material Galv. Steel
 Frame Condition Good
 Grate Condition Good

Overall Depth

Inches from Frame to bottom of structure* 60-in

*many basins have sediment in the bottom which will affect this height measurement

Wall

Type Concrete
 Condition Fair
 I/I? No

Comments Brick around pipe; no parging

Inlet Pipe #1

Size (in) 16-in
 Material HDPE

Inlet Pipe #2

Size (in) 20-in
 Material HDPE

CB Functionality

Functional Yes

Outlet Pipe #3

Size (in) 20-in
 Material HDPE

Riser

Type Concrete Brick
 Condition Good
 Any I/I No
 Comments _____

Inlet Pipe #4

Size (in) 4-in
 Material PVC

Curb Inlet

Material Concrete
 Condition Good

Inlet Pipe #5

Size (in) 4-in
 Material PVC

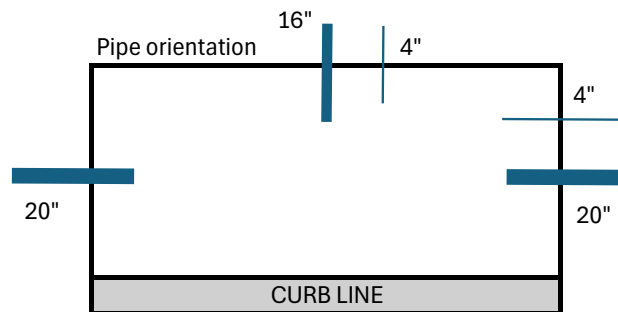


Photo CB15-A



Photo CB15-B



CATCH BASIN INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
 Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB16
 Accessible? OK-Poison Ivy
 Street Hayfield Ln
 Exterior Photo# CB16-A
 Interior Photo # CB16-B

CB Location

Street or Curb Line Curb Line
 Other? Double Basin

Frame and Grate

Material Galv. Steel
 Frame Condition Good
 Grate Condition Missing

Overall Depth

Inches from Frame to
 bottom of structure* 103-n

*many basins have sediment in the bottom
 which will affect this height measurement

Wall

Type Concrete
 Condition Good
 I/I? No
 Comments _____

CB Functionality

Functional Yes

Riser

Type NA
 Condition _____
 Any I/I _____
 Comments _____

Curb Inlet

Material Concrete
 Condition Good

Inlet Pipe #1

Size (in) 20-in
 Material HDPE

Outlet Pipe #2 (final outfall)

Size (in) 20-in
 Material HDPE

Inlet Pipe #3

Size (in) 2-in
 Material PVC Force Main

Inlet Pipe #4

Size (in) 4-in
 Material PVC

Inlet Pipe #5

Size (in) 4-in
 Material PVC

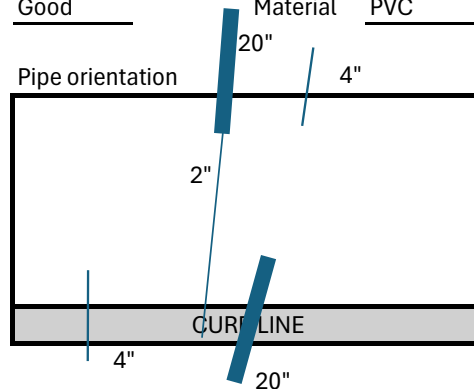


Photo CB16-A



Photo CB16-B



CATCH BASIN INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
 Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB17
 Accessible? OK-Poison Ivy
 Street Mountainside Dr
 Exterior Photo# CB17-A
 Interior Photo # CB17-B

CB Location

Street or Curb Line Curb Line
 Other? _____

Frame and Grate

Material Galv. Steel
 Frame Condition Good
 Grate Condition Good

Overall Depth

Inches from Frame to
 bottom of structure* 56-in

*many basins have sediment in the bottom
 which will affect this height measurement

Wall

Type Concrete
 Condition Fair
 I/I? No

Comments

Chipping in parging
around pipe

CB Functionality

Functional Yes

Riser

Type Concrete Brick
 Condition Good
 Any I/I None
 Comments _____

Curb Inlet

Material Concrete
 Condition Good

Outlet Pipe #1

Size (in) 16-in
 Material HDPE

Pipe orientation 16"

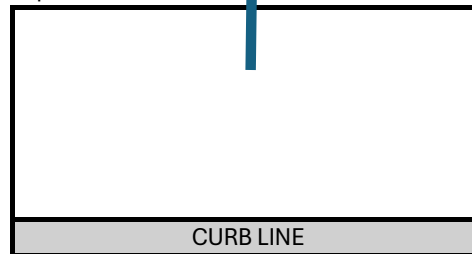


Photo CB17-A



Photo CB17-B



CATCH BASIN INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
 Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB18
 Accessible? Yes
 Street Mountainside Dr
 Exterior Photo# CB18-A
 Interior Photo # CB18-B

CB Location

Street or Curb Line Curb Line
 Other?

Frame and Grate

Material Galv. Steel
 Frame Condition Good
 Grate Condition Good

Overall Depth

Inches from Frame to
 bottom of structure* 64-in

*many basins have sediment in the bottom
 which will affect this height measurement

Wall

Type Concrete
 Condition Fair
 I/I? No
 Comments Chipping in parging
 around pipe

CB Functionality

Functional Yes

Inlet Pipe #1

Size (in) 16-in
 Material HDPE

Outlet Pipe #2

Size (in) 16-in
 Material HDPE

Riser

Type Concrete Brick
 Condition Fair
 Any I/I No
 Comments

Inlet Pipe #3

Size (in) 4-in
 Material PVC

Curb Inlet

Material Concrete
 Condition Good

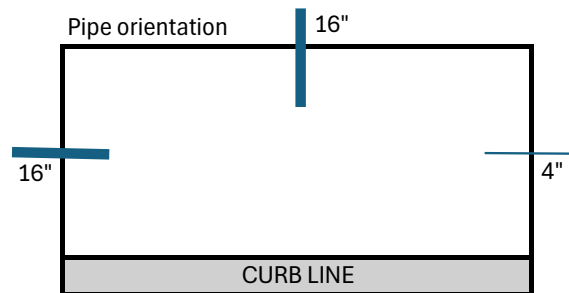


Photo CB18-A



Photo CB18-B



CATCH BASIN INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
 Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB18A
 Accessible? Yes
 Street Mountainside Dr
 Exterior Photo# CB18A-A
 Interior Photo # CB18A-B

CB Location

Street or Curb Line Curb Line
 Other?

Frame and Grate

Material Galv. Steel
 Frame Condition Good
 Grate Condition Good

Overall Depth

Inches from Frame to
 bottom of structure* 60-in

*many basins have sediment in the bottom
 which will affect this height measurement

Wall

Type Concrete
 Condition Good
 I/I? No
 Comments some root growth in basin

Inlet Pipe #1

Size (in) 18-in
 Material HDPE

Outlet Pipe #2

Size (in) 18-in
 Material HDPE

CB Functionality

Functional Yes

Riser

Type Concrete Brick
 Condition Fair
 Any I/I No
 Comments

Inlet Pipe #3

Size (in) 4-in
 Material PVC

Curb Inlet

Material Concrete
 Condition Good

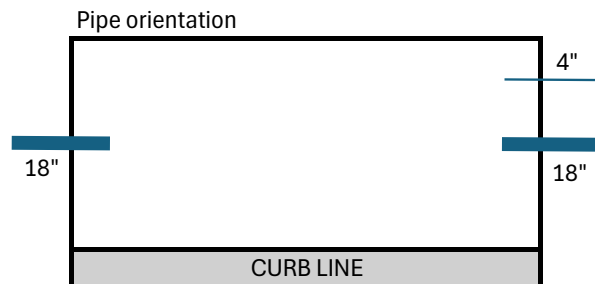


Photo CB18A-A



Photo CB18A-B



*some root growth in basin

CATCH BASIN INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
 Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB19
 Accessible? Yes
 Street Mountainside Dr
 Exterior Photo# CB19-A
 Interior Photo # CB19-B

CB Location

Street or Curb Line Curb Line
 Other?

Frame and Grate

Material Galv. Steel
 Frame Condition Good
 Grate Condition Good

Overall Depth

Inches from Frame to bottom of structure* 69-in

*many basins have sediment in the bottom which will affect this height measurement

Wall

Type Concrete
 Condition Good
 I/I? No
 Comments

CB Functionality

Functional Yes

Riser

Type Concrete Brick
 Condition Fair
 Any I/I No
 Comments

Curb Inlet

Material Concrete
 Condition Good

Inlet Pipe #1

Size (in) 18-in
 Material HDPE

Outlet Pipe #2

Size (in) 18-in
 Material HDPE

Inlet Pipe #3

Size (in) 4-in
 Material PVC

Inlet Pipe #4

Size (in) 4-in
 Material PVC

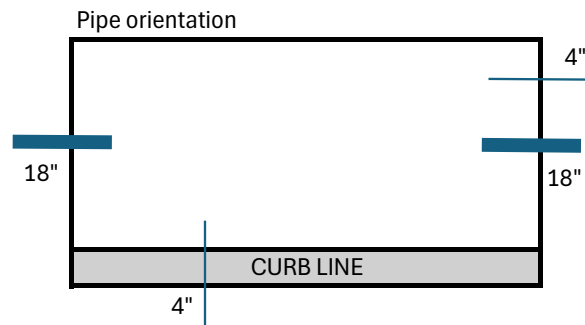


Photo CB19-A



Photo CB19-B



CATCH BASIN INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
 Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB20
 Accessible? Yes
 Street Mountainside Dr
 Exterior Photo# CB20-A
 Interior Photo # CB20-B

CB Location

Street or Curb Line Curb Line
 Other?

Frame and Grate

Material Galv. Steel
 Frame Condition Good
 Grate Condition Good

Overall Depth

Inches from Frame to
 bottom of structure* 48-in

*many basins have sediment in the bottom
 which will affect this height measurement

Wall

Type Concrete
 Condition Fair
 I/I? No

Comments Chipping in parging
 around pipe

Outlet Pipe #1

Size (in) 16-in
 Material HDPE

CB Functionality

Functional Yes

Riser

Type Concrete Brick
 Condition Fair
 Any I/I No
 Comments

Curb Inlet

Material Concrete
 Condition Good

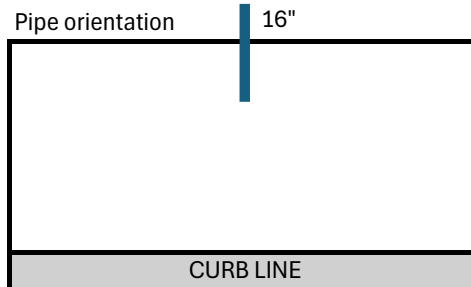


Photo CB20-A



Photo CB20-B



CATCH BASIN INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
 Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB21
 Accessible? Yes
 Street Mountainside Dr
 Exterior Photo# CB21-A
 Interior Photo # CB21-B

CB Location

Street or Curb Line Curb Line
 Other?

Frame and Grate

Material Galv. Steel
 Frame Condition Good
 Grate Condition Good

Overall Depth

Inches from Frame to
 bottom of structure* 56-in

*many basins have sediment in the bottom
 which will affect this height measurement

Wall

Type Concrete
 Condition Fair
 I/I? No

Comments Chipping in parging
 around pipes

CB Functionality

Functional Yes

Riser

Type Concrete Brick
 Condition Good
 Any I/I No
 Comments

Curb Inlet

Material Concrete
 Condition Good

Inlet Pipe #1

Size (in) 16-in
 Material HDPE

Inlet Pipe #2

Size (in) 16-in
 Material HDPE

Outlet Pipe #3

Size (in) 16-in
 Material HDPE

Inlet Pipe #4

Size (in) 4-in
 Material PVC

Inlet Pipe #5

Size (in) 4-in
 Material PVC

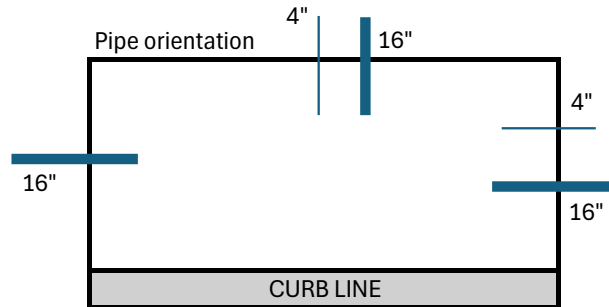


Photo CB21-A



Photo CB21-B



CATCH BASIN INSPECTION FORM
Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB22
Accessible? Yes
Street Mountainside Dr
Exterior Photo# NA
Interior Photo # CB22-B

CB Location

Street or Curb Line Curb Line
Other?

Frame and Grate

Material Galv. Steel
Frame Condition Good
Grate Condition Inside Basin

Overall Depth

Inches from Frame to
bottom of structure* 63-in

*many basins have sediment in the bottom
which will affect this height measurement

Wall

Type Concrete
Condition Fair
I/I? No
Comments Horizontal cracking
near pipe penetration

Outlet Pipe #1

Size (in) 16-in
Material HDPE

CB Functionality

Functional Yes

Riser

Type Concrete Brick
Condition Good
Any I/I None
Comments

Curb Inlet

Material Concrete
Condition Good

Pipe orientation 16"

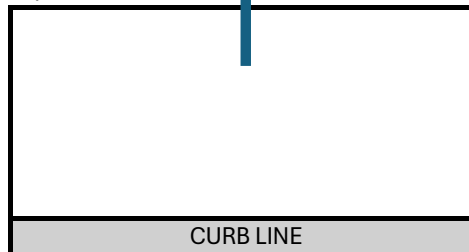


Photo CB22-B



CATCH BASIN INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
 Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB23
 Accessible? Yes
 Street Mountainside Dr
 Exterior Photo# CB23-A
 Interior Photo # CB23-B

CB Location

Street or Curb Line Curb Line
 Other?

Frame and Grate

Material Galv. Steel
 Frame Condition Good
 Grate Condition Inside Basin

Overall Depth

Inches from Frame to bottom of structure* 70-in

*many basins have sediment in the bottom which will affect this height measurement

Wall

Type Concrete
 Condition Good
 I/I? No
 Comments

CB Functionality

Functional Yes

Riser

Type Concrete Brick
 Condition Good
 Any I/I No
 Comments

Curb Inlet

Material Concrete
 Condition Good

Inlet Pipe #1

Size (in) 16-in
 Material HDPE

Outlet Pipe #2

Size (in) 16-in
 Material HDPE

Inlet Pipe #3

Size (in) 4-in
 Material PVC

Inlet Pipe #4

Size (in) 4-in
 Material PVC

Inlet Pipe #5

Size (in) 16-in
 Material HDPE

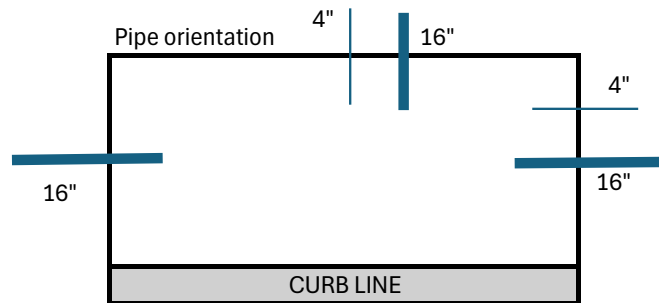


Photo CB23-A



Photo CB23-B



CATCH BASIN INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
 Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB23A
 Accessible? Yes
 Street Mountainside Dr
 Exterior Photo# CB23A-A
 Interior Photo # CB23A-B

CB Location

Street or Curb Line Curb Line
 Other?

Frame and Grate

Material Galv. Steel
 Frame Condition Good
 Grate Condition Inside Basin

Overall Depth

Inches from Frame to bottom of structure* Unknown - debris in basin

*many basins have sediment in the bottom which will affect this height measurement

Wall

Type Concrete
 Condition Good
 I/I? No
 Comments

CB Functionality

Functional Yes

Riser

Type Concrete
 Condition Good
 Any I/I No
 Comments

Curb Inlet

Material Concrete
 Condition Good

Inlet Pipe #1

Size (in) 18-in
 Material HDPE

Outlet Pipe #2

Size (in) 18-in
 Material HDPE

Inlet Pipe #3

Size (in) 4-in
 Material PVC

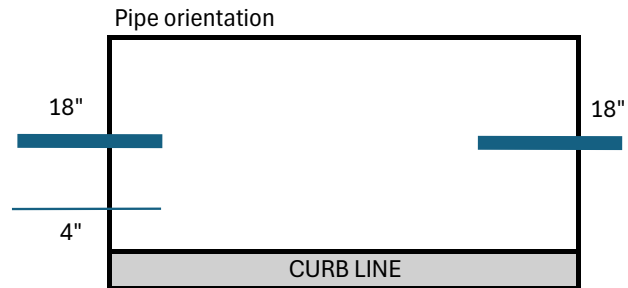


Photo CB23A-A



Photo CB23A-B



CATCH BASIN INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
 Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB24
 Accessible? Yes
 Street Mountainside Dr
 Exterior Photo# CB24-A
 Interior Photo # CB24-B

CB Location

Street or Curb Line Curb Line
 Other?

Frame and Grate

Material Galv. Steel
 Frame Condition Good
 Grate Condition Not Observed

Overall Depth

Inches from Frame to
 bottom of structure* 57-in

*many basins have sediment in the bottom
 which will affect this height measurement

Wall

Type Concrete
 Condition Good
 I/I? No
 Comments

CB Functionality

Functional Yes

Outlet Pipe #1

Size (in) 16-in
 Material HDPE

Inlet Pipe #2

Size (in) 4-in
 Material PVC

Riser

Type Concrete Brick
 Condition Good
 Any I/I No
 Comments

Curb Inlet

Material Concrete
 Condition Good

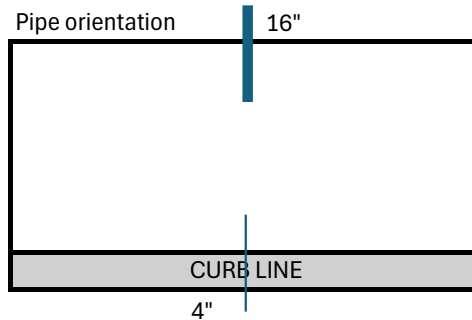


Photo CB24-A



Photo CB24-B



CATCH BASIN INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
 Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB25
 Accessible? Yes
 Street Mountainside Dr
 Exterior Photo# CB25-A
 Interior Photo # CB25-B

CB Location

Street or Curb Line Curb Line
 Other?

Frame and Grate

Material Galv. Steel
 Frame Condition Good
 Grate Condition Inside Basin

Overall Depth

Inches from Frame to
 bottom of structure* 67-in

*many basins have sediment in the bottom
 which will affect this height measurement

Wall

Type Concrete
 Condition Fair
 I/I? No
 Comments Some chipping in
 parging around pipes

CB Functionality

Functional Yes

Inlet Pipe #1

Size (in) 18-in
 Material HDPE

Outlet Pipe #2

Size (in) 18-in
 Material HDPE

Riser

Type Concrete Brick
 Condition Good
 Any I/I No
 Comments

Inlet Pipe #3

Size (in) 4-in
 Material PVC

Curb Inlet

Material Concrete
 Condition Good

Inlet Pipe #4

Size (in) 16-in
 Material HDPE

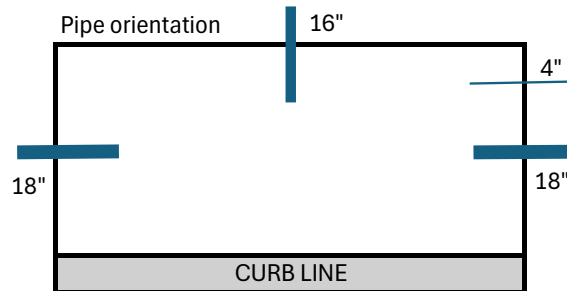


Photo CB25-A



Photo CB25-B



CATCH BASIN INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB26
Accessible? Yes
Street Mountainside Dr
Exterior Photo# CB26-A
Interior Photo # CB26-B

CB Location

Street or Curb Line Curb Line
Other?

Frame and Grate

Material Galv. Steel
Frame Condition Good
Grate Condition Inside Basin

Overall Depth

Inches from Frame to
bottom of structure* 48-in

*many basins have sediment in the bottom
which will affect this height measurement

Wall

Type Concrete
Condition OK
I/I? No
Comments Moderate Cracking

CB Functionality

Functional Yes

Outlet Pipe #1

Size (in) 16-in
Material HDPE

Inlet Pipe #2

Size (in) 4-in
Material PVC

Riser

Type Concrete Brick
Condition Fair
Any I/I No
Comments

Curb Inlet

Material Concrete
Condition Good

Pipe orientation

16"

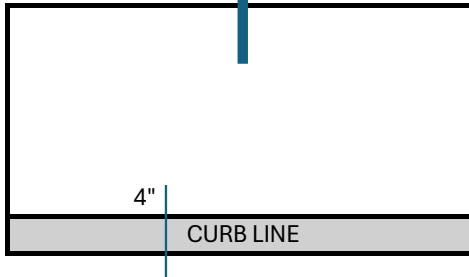


Photo CB26-A



Photo CB26-B



CATCH BASIN INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
 Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB27
 Accessible? Yes
 Street Mountainside Dr
 Exterior Photo# CB27-A
 Interior Photo # CB27-B

CB Location

Street or Curb Line Curb Line
 Other?

Frame and Grate

Material Galv. Steel
 Frame Condition Good
 Grate Condition Inside Basin

Overall Depth

Inches from Frame to
 bottom of structure* 58-in

*many basins have sediment in the bottom
 which will affect this height measurement

Wall

Type Concrete
 Condition Good
 I/I? No
 Comments

CB Functionality

Functional Yes

Riser

Type Concrete Brick
 Condition Good
 Any I/I No
 Comments

Curb Inlet

Material Concrete
 Condition Good

Inlet Pipe #1

Size (in) 18-in
 Material HDPE

Outlet Pipe #2

Size (in) 18-in
 Material HDPE

Inlet Pipe #3

Size (in) 4-in
 Material PVC

Inlet Pipe #4

Size (in) 16-in
 Material HDPE

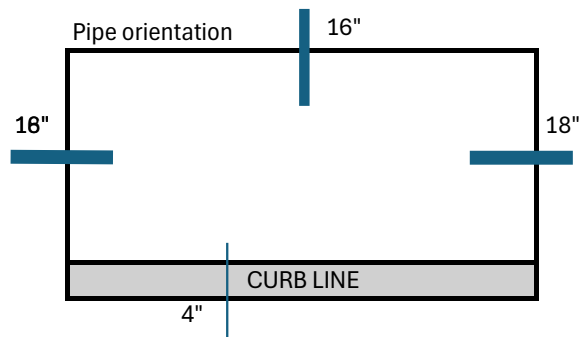


Photo CB27-A



Photo CB27-B



CATCH BASIN INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
 Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB28
 Accessible? Yes
 Street Mountainside Dr
 Exterior Photo# CB28-A
 Interior Photo # CB28-B

CB Location

Street or Curb Line Curb Line
 Other?

Frame and Grate

Material Galv. Steel
 Frame Condition Good
 Grate Condition Missing

Overall Depth

Inches from Frame to
 bottom of structure* 70-in

*many basins have sediment in the bottom
 which will affect this height measurement

Wall

Type Concrete
 Condition Good
 I/I? No
 Comments

CB Functionality

Functional Yes

Inlet Pipe #1

Size (in) 4-in
 Material PVC

Outlet Pipe #2

Size (in) 16-in
 Material HDPE

Riser

Type Concrete & Brick
 Condition OK
 Any I/I No
 Comments

Curb Inlet

Material Concrete
 Condition Good

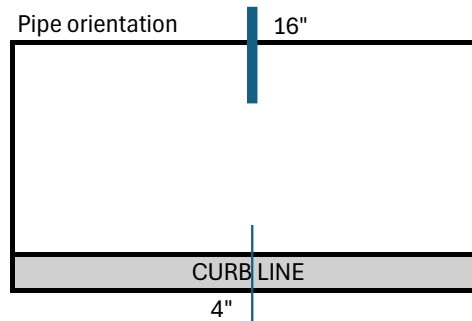


Photo CB28-A



Photo CB28-B



CATCH BASIN INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
 Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB29
 Accessible? Yes
 Street Mountainside Dr
 Exterior Photo# CB29-A
 Interior Photo # CB29-B

CB Location

Street or Curb Line Curb Line
 Other?

Frame and Grate

Material Galv. Steel
 Frame Condition Good
 Grate Condition Not Observed

Overall Depth

Inches from Frame to
 bottom of structure* 69-in

*many basins have sediment in the bottom
 which will affect this height measurement

Photo CB29-A



Wall

Type Concrete
 Condition Good
 I/I? No
 Comments

CB Functionality

Functional Yes

Riser

Type Concrete Brick
 Condition Fair
 Any I/I None Currently
 Comments Mossy growth around
 brick riser course

Curb Inlet

Material Concrete
 Condition Good

Inlet Pipe #1

Size (in) 18-in
 Material HDPE

Outlet Pipe #2

Size (in) 18-in
 Material HDPE

Inlet Pipe #3

Size (in) 16-in
 Material HDPE

Inlet Pipe #4

Size (in) 4-in
 Material PVC

Inlet Pipe #5

Size (in) 4-in
 Material PVC

Inlet Pipe #6

Size (in) 4-in
 Material PVC

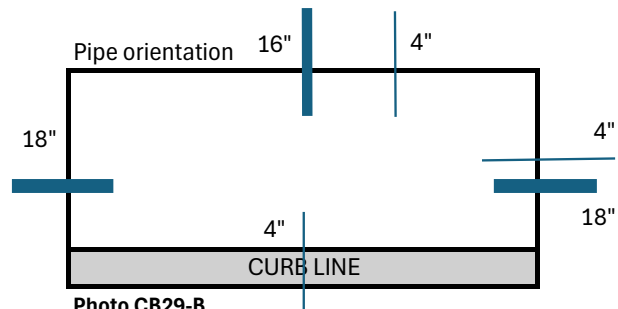


Photo CB29-B



CATCH BASIN INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB30
Accessible? Somewhat
Street Algonquin Cir
Exterior Photo# CB30-A
Interior Photo # CB30-B

CB Location

Street or Curb Line Curb Line
Other?

Frame and Grate

Material Galv. Steel
Frame Condition Good
Grate Condition Inside Basin

Overall Depth

Inches from Frame to
bottom of structure* 100-in

*many basins have sediment in the bottom
which will affect this height measurement

Wall

Type Concrete
Condition Compromised/Poor
I/I?
Comments Large hole in wall in
front/rear of structure.

Inlet Pipe #1

Size (in) 18-in
Material HDPE

Outlet Pipe #2

Size (in) 24-in
Material HDPE

CB Functionality

Functional Yes

Riser

Type Concrete
Condition Fair
Any I/I
Comments

Curb Inlet

Material Concrete
Condition Good

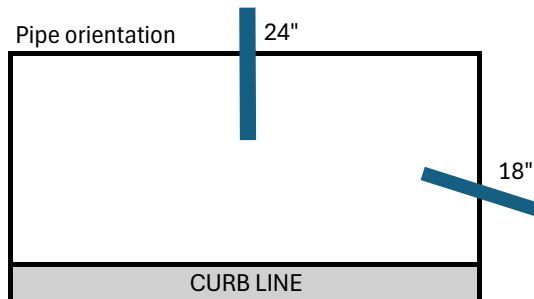


Photo CB30-A



Photo CB30-B



CATCH BASIN INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
 Staff Initials RN/LT

CB ID, Location & Photos

CB ID# CB33
 Accessible? Yes
 Street Algonquin Cir
 Exterior Photo# CB33-A
 Interior Photo # CB33-B

CB Location

Street or Curb Line Curb Line
 Other?

Frame and Grate

Material Galv. Steel
 Frame Condition Good
 Grate Condition Inside Basin

Overall Depth

Inches from Frame to
 bottom of structure* 160-in

*many basins have sediment in the bottom
 which will affect this height measurement

Wall

Type Concrete
 Condition Good
 I/I? No
 Comments

Inlet Pipe #1

Size (in) 24-in
 Material HDPE

Outlet Pipe #2

Size (in) 24-in
 Material HDPE

CB Functionality

Functional Yes

Riser

Type Concrete & Concrete Brick
 Condition OK
 Any I/I No
 Comments

Curb Inlet

Material Concrete
 Condition Good

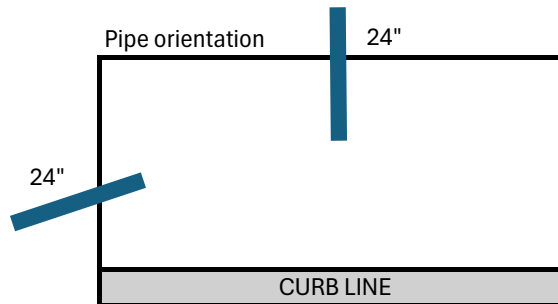


Photo CB33-A



Photo CB33-B



Appendix C

Sewer Cleanout Inspection Forms

SEWER MANHOLE INSPECTION FORM
Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
Staff Initials RN/LT

MH ID, Location & Photos

Manhole ID# SC1
Accessible? Yes
Street Mountainside Dr
Exterior Photo# SC1-A
Interior Photo # SC1-B

Manhole Location

Street? Yes
Other?
Subject to Flooding? No

Wall

Type Concrete
Condition Unknown
I/I? Unknown
Comments Under Water

Frame and Cover

Is Cover Buried? No
Material Steel
Frame Condition Good
Cover Condition Good
Is Cover Solid? No - Single hole in middle

Steps/Ladder

Type Metal
Condition Unknown
Comments Under Water

Air Release

Present? Yes
Covered? No

Overall Depth

Inches from Frame to
bottom of structure 71

Photo SC1-A



Photo SC1-B



SEWER MANHOLE INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
Staff Initials RN/LT

MH ID, Location & Photos

Manhole ID# SC2
Accessible? Yes
Street Mountainside Dr
Exterior Photo# SC2-A
Interior Photo # SC2-B

Manhole Location

Street? Yes
Other?
Subject to Flooding? No

Wall

Type Concrete
Condition Unknown
I/I? Unknown
Comments Under Water

Steps/Ladder

Type Unknown
Condition
Comments

Air Release

Present? Yes
Covered? No

Frame and Cover

Is Cover Buried? No
Material Steel
Frame Condition Good
Cover Condition Good
Is Cover Solid? No - Single hole in middle

Overall Depth

Inches from Frame to
bottom of structure 72

Photo SC2-A



Photo SC2-B



SEWER MANHOLE INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
 Staff Initials RN/LT

MH ID, Location & Photos

Manhole ID# SC3
 Accessible? Yes
 Street Hayfield Lane
 Exterior Photo# SC3-A
 Interior Photo # SC3-B

Manhole Location

Street? Yes
 Other?
 Subject to Flooding? No

Wall

Type Concrete
 Condition Unknown
 I/I? Unknown
 Comments Under Water

Frame and Cover

Is Cover Buried? No
 Material Steel
 Frame Condition Good
 Cover Condition Good
 Is Cover Solid? No - Single hole in middle

Steps/Ladder

Type Unknown
 Condition
 Comments

Air Release

Present? Yes
 Covered? No

Overall Depth

Inches from Frame to
 bottom of structure 71

Photo SC3-A



Photo SC3-B



SEWER MANHOLE INSPECTION FORM
Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
Staff Initials RN/LT

MH ID, Location & Photos

Manhole ID# SC5
Accessible? No - Partially Buried
Street Mountainside Dr
Exterior Photo# SC5-A
Interior Photo # NA

Manhole Location

Street?
Other? Along gravel path
Subject to Flooding? No

Wall

Type Unknown
Condition Unknown
I/I? Unknown
Comments

Frame and Cover

Is Cover Buried? Partial
Material Steel
Frame Condition Unknown
Cover Condition OK
Is Cover Solid? No - Single hole in middle

Steps/Ladder

Type Unknown
Condition
Comments

Air Release

Present? Unknown
Covered?

Overall Depth

Inches from Frame to
bottom of structure Unknown

Photo SC5-A



SEWER MANHOLE INSPECTION FORM
Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
Staff Initials RN/LT

MH ID, Location & Photos

Manhole ID# SC6
Accessible? Yes
Street Mountainside Dr
Exterior Photo# SC6-A
Interior Photo # SC6-B

Manhole Location

Street?
Other? Along gravel path
Subject to Flooding? No

Wall

Type Concrete
Condition Unknown
I/I? Unknown
Comments Under Water

Frame and Cover

Is Cover Buried? No
Material Steel
Frame Condition Good
Cover Condition Good
Is Cover Solid? No - Single hole in middle

Steps/Ladder

Type Unknown
Condition
Comments

Air Release

Present? Yes
Covered? No

Overall Depth

Inches from Frame to
bottom of structure 70

Photo SC6-A



Photo SC6-B



SEWER MANHOLE INSPECTION FORM
Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
Staff Initials RN/LT

MH ID, Location & Photos

Manhole ID# SC7
Accessible? OK-could not open
Street Algonquin Cir
Exterior Photo# SC7-A
Interior Photo # NA

Manhole Location

Street? _____
Other? Along gravel path
Subject to Flooding? No

Wall

Type Unknown
Condition Unknown
I/I? Unknown
Comments _____

Frame and Cover

Is Cover Buried? No
Material Steel
Frame Condition Good
Cover Condition Good
Is Cover Solid? No - Single hole in middle

Steps/Ladder

Type Unknown
Condition _____
Comments _____

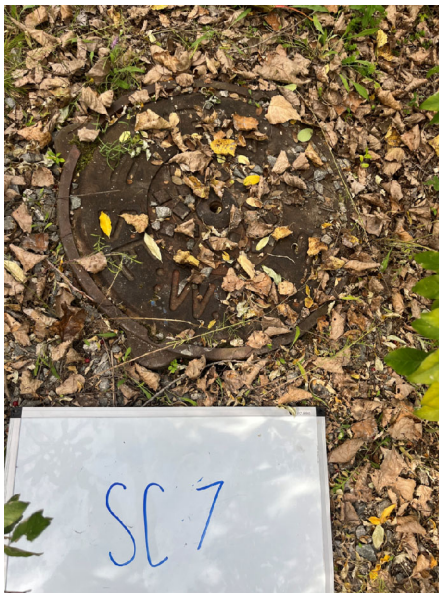
Air Release

Present? Unknown
Covered? _____

Overall Depth

Inches from Frame to
bottom of structure Unknown

Photo SC7-A



SEWER MANHOLE INSPECTION FORM
Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
Staff Initials RN/LT

MH ID, Location & Photos

Manhole ID# SC8
Accessible? Yes
Street Ridge Lane
Exterior Photo# SC8-A
Interior Photo # SC8-B

Manhole Location

Street?
Other? Along gravel path
Subject to Flooding? No

Wall

Type Concrete
Condition Unknown
I/I? Unknown
Comments Under Water

Frame and Cover

Is Cover Buried? No
Material Steel
Frame Condition Good
Cover Condition Missing
Is Cover Solid? Unknown

Steps/Ladder

Type Unknown
Condition
Comments

Air Release

Present? Yes
Covered? No

Overall Depth

Inches from Frame to
bottom of structure 60

Photo SC8-A



Photo SC8-B



SEWER MANHOLE INSPECTION FORM
Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
Staff Initials RN/LT

MH ID, Location & Photos

Manhole ID# SC9
Accessible? Yes
Street Ridgeview PLS
Exterior Photo# SC9-A
Interior Photo # SC9-B

Manhole Location

Street?
Other? Along gravel path
Subject to Flooding? No

Wall

Type Concrete
Condition Unknown
I/I? Unknown
Comments Under Water

Frame and Cover

Is Cover Buried? No
Material Steel
Frame Condition Good
Cover Condition Missing
Is Cover Solid? Unknown

Steps/Ladder

Type Unknown
Condition
Comments

Air Release

Present? Yes
Covered? No

Overall Depth

Inches from Frame to
bottom of structure 66

Photo SC9-A



Photo SC9-B



SEWER MANHOLE INSPECTION FORM
Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
Staff Initials RN/LT

MH ID, Location & Photos

Manhole ID# SC10
Accessible? Yes
Street Ridgeview PL S
Exterior Photo# SC10-A
Interior Photo # SC10-B

Manhole Location

Street?
Other? Along gravel path
Subject to Flooding? No

Wall

Type Concrete
Condition Unknown
I/I? Unknown
Comments Under Water

Steps/Ladder

Type Unknown
Condition
Comments

Air Release

Present? Yes
Covered? No

Frame and Cover

Is Cover Buried? No
Material Steel
Frame Condition Good
Cover Condition Missing
Is Cover Solid? Unknown

Overall Depth

Inches from Frame to
bottom of structure 72

Photo SC10-A



Photo SC10-B



SEWER MANHOLE INSPECTION FORM
Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
Staff Initials RN/LT

MH ID, Location & Photos

Manhole ID# SC11
Accessible? No- Buried
Street Ridgefield PLS
Exterior Photo# SC11-A
Interior Photo # NA

Manhole Location

Street?
Other? Along Gravel Path
Subject to Flooding? No

Wall

Type Concrete
Condition Unknown
I/I? Unknown
Comments Under Water

Frame and Cover

Is Cover Buried? Yes
Material Steel
Frame Condition Good
Cover Condition Good
Is Cover Solid? No - Single hole in middle

Steps/Ladder

Type Unknown
Condition
Comments

Air Release

Present? Unknown
Covered?

Overall Depth

Inches from Frame to
bottom of structure Unknown

Photo SC11-A



SEWER MANHOLE INSPECTION FORM
Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
Staff Initials RN/LT

MH ID, Location & Photos

Manhole ID# SC12
Accessible? Yes
Street Ridgefield Pl S
Exterior Photo# NA
Interior Photo # NA

Manhole Location

Street? _____
Other? Along gravel path
Subject to Flooding? No

Wall

Type Unknown
Condition Unknown
I/I? Unknown
Comments _____

Frame and Cover

Is Cover Buried? Partially
Material Steel
Frame Condition Good
Cover Condition Good
Is Cover Solid? No - Single hole in middle

Steps/Ladder

Type Unknown
Condition _____
Comments _____

Air Release

Present? Unknown
Covered? _____

Overall Depth

Inches from Frame to
bottom of structure NA

Photo Unavailable

SEWER MANHOLE INSPECTION FORM
Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 9/11/2025
Staff Initials RN/LT

MH ID, Location & Photos

Manhole ID# SC13
Accessible? Yes
Street Ridgefield Pl S
Exterior Photo# SC13-A
Interior Photo # NA

Manhole Location

Street?
Other? End of gravel path
Subject to Flooding? No

Wall

Type Unknown
Condition Unknown
I/I? Unknown
Comments

Frame and Cover

Is Cover Buried? No
Material Steel
Frame Condition Good
Cover Condition Good
Is Cover Solid? No - Single hole in middle

Steps/Ladder

Type Unknown
Condition
Comments

Air Release

Present? Unknown
Covered?

Overall Depth

Inches from Frame to
bottom of structure NA

Photo SC13-A



Appendix D

Electrical and Telecommunications Equipment Inspection Forms

ELECTRICAL VAULT / TELECOMMUNICATION INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 45952
 Staff Initials LT

ID, Location & Photos

ID# E1
 E-Vault? Yes
 Transformer Vault? Yes
 Comms Equipment? Yes
 Accessible? Yes
 Street Mountainside Dr
 Exterior Photo# E1-A
 Interior Photo # E1-B
 E-Vault # of Conduits 3
 Transformer # of Conduits UNK

E-Vault and Xfmr Walls

Type Concrete
 Condition Good
 I/I? No
 Comments _____

Steps/Ladder

Type None
 Condition _____
 Comments _____

Covers

E-Vault Cover Buried? No
 E- Vault Cover Material Plastic
 Cover Condition Good
 Is Cover Solid? Yes
 Transformer Cover Concrete w/ opening
 Comms Cover Yes
 Comms Cover Material Plastic
 Cover Condition Good

Vault Location

Street? _____
 Other? East side of street
 Subject to Flooding? No - raised

Photo E1-A



Photo E1-B



ELECTRICAL VAULT / TELECOMMUNICATION INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 45952
 Staff Initials LT

ID, Location & Photos

ID# E2
 E-Vault? Yes
 Transformer Vault? No
 Comms Equipment? Yes
 Accessible? OK - could not open
 Street Hayfield Ln
 Exterior Photo# E2-A
 Interior Photo # NA
 E-Vault # of Conduits UNK
 Transformer # of Conduits NA

E-Vault and Xfmr Walls

Type Concrete
 Condition UNK
 I/I? UNK
 Comments _____

Steps/Ladder

Type None
 Condition _____
 Comments _____

Covers

E-Vault Cover Buried? Partially
 E- Vault Cover Material Plastic
 Cover Condition Good
 Is Cover Solid? Yes
 Transformer Cover NA
 Comms Cover Yes
 Comms Cover Material Plastic
 Cover Condition Good

Vault Location

Street? _____
 Other? SE side of street
 Subject to Flooding? _____

Photo E2-A



ELECTRICAL VAULT / TELECOMMUNICATION INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 45952
 Staff Initials LT

ID, Location & Photos

ID# E3
 E-Vault? Yes
 Transformer Vault? No
 Comms Equipment? Yes
 Accessible? OK - could not open
 Street Hayfield Ln
 Exterior Photo# E3-A
 Interior Photo # NA
 E-Vault # of Conduits UNK
 Transformer # of Conduits NA

E-Vault and Xfmr Walls

Type Concrete
 Condition UNK
 I/I? UNK
 Comments

Steps/Ladder

Type NA
 Condition
 Comments

Vault Location

Street?
 Other? SE side of street
 Subject to Flooding?

Covers

E-Vault Cover Buried? Partially
 E- Vault Cover Material Plastic
 Cover Condition Good
 Is Cover Solid? Yes
 Transformer Cover NA
 Comms Cover Yes - Comm Ped and "AT&T" handhole
 Comms Cover Material Plastic
 Cover Condition Good

Photo E3-A



ELECTRICAL VAULT / TELECOMMUNICATION INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 45952
 Staff Initials LT

ID, Location & Photos

ID# E4
 E-Vault? No
 Transformer Vault? Yes
 Comms Equipment? Yes
 Accessible? Yes
 Street Hayfield Ln
 Exterior Photo# E4-A
 Interior Photo # E4-B
 E-Vault # of Conduits NA
 Transformer # of Conduits 5

Vault Location

Street? _____
 Other? SE side of street
 Subject to Flooding? No - raised

E-Vault and Xfmr Walls

Type Concrete
 Condition Good
 I/I? No
 Comments _____

Steps/Ladder

Type None
 Condition _____
 Comments _____

Covers

E-Vault Cover Buried? NA
 E- Vault Cover Material NA
 Cover Condition NA
 Is Cover Solid? NA
 Transformer Cover Concrete with opening
 Comms Cover Yes
 Comms Cover Material Plastic
 Cover Condition Good

Photo E4-A



Photo E4-B



ELECTRICAL VAULT / TELECOMMUNICATION INSPECTION FORM
Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 45952
Staff Initials LT

ID, Location & Photos

ID# E5
E-Vault? Yes
Transformer Vault? No
Comms Equipment? Yes
Accessible? OK - could not open
Street Hayfield Ln
Exterior Photo# E5-A
Interior Photo # NA
E-Vault # of Conduits UNK
Transformer # of Conduits NA

E-Vault and Xfmr Walls

Type UNK
Condition UNK
I/I? UNK
Comments _____

Steps/Ladder

Type UNK
Condition UNK
Comments _____

Vault Location

Street? _____
Other? NW side, end of cul-de-sac
Subject to Flooding? _____

Covers

E-Vault Cover Buried? Partially
E- Vault Cover Material Plastic
Cover Condition Good
Is Cover Solid? Yes
Transformer Cover NA
Comms Cover Yes
Comms Cover Material Plastic
Cover Condition Good

Photo E5-A



ELECTRICAL VAULT / TELECOMMUNICATION INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 45952
 Staff Initials LT

ID, Location & Photos

ID# E6
 E-Vault? Yes (2)
 Transformer Vault? Yes
 Comms Equipment? Yes
 Accessible? OK - could not open one
 Street Mountainside Dr
 Exterior Photo# E6-A
 Interior Photo # E6-B
 E-Vault # of Conduits 1- UNK, 2- 4
 Transformer # of Conduits UNK

E-Vault and Xfmr Walls

Type Concrete
 Condition Good
 I/I? No
 Comments _____

Steps/Ladder

Type None
 Condition _____
 Comments _____

Covers

E-Vault Cover Buried? No
 E- Vault Cover Material 1- Plastic, 2- None
 Cover Condition 1- Good, 2- NA
 Is Cover Solid? Yes
 Transformer Cover Buried
 Comms Cover Yes
 Comms Cover Material Plastic
 Cover Condition Good

Vault Location

Street? _____
 Other? NE side of street
 Subject to Flooding? No - raised

Photo E6-A



Photo E6-B



ELECTRICAL VAULT / TELECOMMUNICATION INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 45952
 Staff Initials LT

ID, Location & Photos

ID# E7
 E-Vault? Yes
 Transformer Vault? No
 Comms Equipment? No
 Accessible? OK - could not open
 Street Mountainside Dr
 Exterior Photo# E7-A
 Interior Photo # NA
 E-Vault # of Conduits UNK
 Transformer # of Conduits NA

E-Vault and Xfmr Walls

Type Concrete
 Condition UNK
 I/I? UNK
 Comments

Covers

E-Vault Cover Buried? Partially
 E- Vault Cover Material Plastic
 Cover Condition Good
 Is Cover Solid? Yes
 Transformer Cover NA
 Comms Cover NA
 Comms Cover Material NA
 Cover Condition NA

Vault Location

Street?
 Other? NW side of street
 Subject to Flooding?

Photo E7-A



ELECTRICAL VAULT / TELECOMMUNICATION INSPECTION FORM
Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 45952
Staff Initials LT

ID, Location & Photos

ID# E8
E-Vault? No
Transformer Vault? No
Comms Equipment? Yes
Accessible? Yes
Street Mountainside Dr
Exterior Photo# E8-A
Interior Photo # NA
E-Vault # of Conduits NA
Transformer # of Conduits NA

E-Vault and Xfmr Walls

Type NA
Condition NA
I/I? NA
Comments _____

Steps/Ladder

Type NA
Condition _____
Comments _____

Vault Location

Street? _____
Other? SE side of street
Subject to Flooding? No

Covers

E-Vault Cover Buried? NA
E- Vault Cover Material NA
Cover Condition NA
Is Cover Solid? NA
Transformer Cover NA
Comms Cover Yes
Comms Cover Material Plastic
Cover Condition Good

Photo E8-A



ELECTRICAL VAULT / TELECOMMUNICATION INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 45952
 Staff Initials LT

ID, Location & Photos

ID# E9
 E-Vault? Yes
 Transformer Vault? No
 Comms Equipment? No
 Accessible? Yes
 Street Mountainside Dr
 Exterior Photo# E9-A
 Interior Photo # E9-B
 E-Vault # of Conduits 3
 Transformer # of Conduits NA

E-Vault and Xfmr Walls

Type Concrete
 Condition Good
 I/I? No
 Comments _____

Steps/Ladder

Type None
 Condition _____
 Comments _____

Covers

E-Vault Cover Buried?	<u>No</u>
E- Vault Cover Material	<u>Plastic</u>
Cover Condition	<u>Good</u>
Is Cover Solid?	<u>Yes</u>
Transformer Cover	<u>NA</u>
Comms Cover	<u>NA</u>
Comms Cover Material	<u>NA</u>
Cover Condition	<u>NA</u>

Vault Location

Street? _____
 Other? W side of street
 Subject to Flooding? No - raised

Photo E9-A



Photo E9-B



ELECTRICAL VAULT / TELECOMMUNICATION INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 45952
 Staff Initials LT

ID, Location & Photos

ID# E10
 E-Vault? No
 Transformer Vault? Yes
 Comms Equipment? Yes
 Accessible? Yes
 Street Mountainside Dr
 Exterior Photo# E10-A
 Interior Photo # E10-B
 E-Vault # of Conduits NA
 Transformer # of Conduits 7

Vault Location

Street?
 Other? E side of street
 Subject to Flooding? No - raised

E-Vault and Xfmr Walls

Type Concrete
 Condition Good
 I/I? No
 Comments

Steps/Ladder

Type None
 Condition
 Comments

Covers

E-Vault Cover Buried? NA
 E- Vault Cover Material NA
 Cover Condition NA
 Is Cover Solid? NA
 Transformer Cover Concrete with opening
 Comms Cover Yes
 Comms Cover Material Plastic
 Cover Condition Good

Photo E10-A



Photo E10-B



ELECTRICAL VAULT / TELECOMMUNICATION INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 45952
 Staff Initials LT

ID, Location & Photos

ID# E11
 E-Vault? Yes
 Transformer Vault? No
 Comms Equipment? Yes
 Accessible? Yes
 Street Mountainside Dr
 Exterior Photo# E11-A
 Interior Photo # E11-B
 E-Vault # of Conduits 3
 Transformer # of Conduits NA

E-Vault and Xfmr Walls

Type Concrete
 Condition Good
 I/I? No
 Comments _____

Steps/Ladder

Type None
 Condition _____
 Comments _____

Covers

E-Vault Cover Buried?	<u>No</u>
E- Vault Cover Material	<u>Plastic</u>
Cover Condition	<u>Good</u>
Is Cover Solid?	<u>Yes</u>
Transformer Cover	<u>NA</u>
Comms Cover	<u>Yes</u>
Comms Cover Material	<u>Plastic</u>
Cover Condition	<u>Good</u>

Vault Location

Street? _____
 Other? E side of street
 Subject to Flooding? No - raised

Photo E11-A



Photo E11-B



ELECTRICAL VAULT / TELECOMMUNICATION INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 45952
 Staff Initials LT

ID, Location & Photos

ID# E12
 E-Vault? Yes
 Transformer Vault? No
 Comms Equipment? No
 Accessible? OK - overgrown, could not
 Street Mountainside Dr
 Exterior Photo# E12-A
 Interior Photo # NA
 E-Vault # of Conduits UNK
 Transformer # of Conduits NA

E-Vault and Xfmr Walls

Type Concrete
 Condition UNK
 I/I? UNK
 Comments

Steps/Ladder

Type NA
 Condition
 Comments

Vault Location

Street?
 Other? W side of street
 Subject to Flooding? No - raised

Covers

E-Vault Cover Buried? Partially
 E- Vault Cover Material Plastic
 Cover Condition Good
 Is Cover Solid? Yes
 Transformer Cover NA
 Comms Cover NA
 Comms Cover Material NA
 Cover Condition NA

Photo E12-A



ELECTRICAL VAULT / TELECOMMUNICATION INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 45952
 Staff Initials LT

ID, Location & Photos

ID# E13
 E-Vault? Yes
 Transformer Vault? No
 Comms Equipment? Yes
 Accessible? Yes
 Street Mountainside Dr
 Exterior Photo# E13-A
 Interior Photo # E13-B
 E-Vault # of Conduits 3
 Transformer # of Conduits NA

E-Vault and Xfmr Walls

Type Concrete
 Condition Good
 I/I? No
 Comments _____

Steps/Ladder

Type None
 Condition _____
 Comments _____

Covers

E-Vault Cover Buried? No
 E- Vault Cover Material Plastic
 Cover Condition Good
 Is Cover Solid? Yes
 Transformer Cover NA
 Comms Cover Yes
 Comms Cover Material Plastic
 Cover Condition Good

Vault Location

Street? _____
 Other? E side of street
 Subject to Flooding? No - raised

Photo E13-A



Photo E13-B



ELECTRICAL VAULT / TELECOMMUNICATION INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 45952
 Staff Initials LT

ID, Location & Photos

ID# E14
 E-Vault? No
 Transformer Vault? Yes
 Comms Equipment? Yes
 Accessible? Yes
 Street Mountainside Dr
 Exterior Photo# E14-A
 Interior Photo # E14-B
 E-Vault # of Conduits NA
 Transformer # of Conduits 8

E-Vault and Xfmr Walls

Type Concrete
 Condition Fair
 I/I? No
 Comments Minor cracking

Steps/Ladder

Type None
 Condition
 Comments

Covers

E-Vault Cover Buried? NA
 E- Vault Cover Material NA
 Cover Condition NA
 Is Cover Solid? NA
 Transformer Cover Concrete with opening
 Comms Cover Yes
 Comms Cover Material Plastic
 Cover Condition Good

Vault Location

Street?
 Other? E side of street
 Subject to Flooding? No - raised

Photo E14-A



Photo E14-B



ELECTRICAL VAULT / TELECOMMUNICATION INSPECTION FORM
Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 45952
Staff Initials LT

ID, Location & Photos

ID# E15
E-Vault? Yes
Transformer Vault? No
Comms Equipment? No
Accessible? OK - could not open
Street Mountainside Dr
Exterior Photo# E15-A
Interior Photo # NA
E-Vault # of Conduits UNK
Transformer # of Conduits NA

E-Vault and Xfmr Walls

Type Concrete
Condition UNK
I/I? UNK
Comments _____

Steps/Ladder

Type NA
Condition _____
Comments _____

Vault Location

Street? _____
Other? W side of street
Subject to Flooding? _____

Covers

E-Vault Cover Buried? No
E- Vault Cover Material Plastic
Cover Condition Good
Is Cover Solid? Yes
Transformer Cover NA
Comms Cover NA
Comms Cover Material NA
Cover Condition NA

Photo E15-A



ELECTRICAL VAULT / TELECOMMUNICATION INSPECTION FORM

Mountainside Drive Infrastructure Assessment

Client - Town of Winchester

Date 45952
 Staff Initials LT

ID, Location & Photos

ID# E16
 E-Vault? Yes
 Transformer Vault? No
 Comms Equipment? Yes
 Accessible? OK - could not open
 Street Mountainside Dr
 Exterior Photo# E16-A
 Interior Photo # NA
 E-Vault # of Conduits UNK
 Transformer # of Conduits NA

E-Vault and Xfmr Walls

Type Concrete
 Condition Ok
 I/I? UNK
 Comments Moderate chipping

Steps/Ladder

Type NA
 Condition
 Comments

Covers

E-Vault Cover Buried?	<u>No</u>
E- Vault Cover Material	<u>Plastic</u>
Cover Condition	<u>Good</u>
Is Cover Solid?	<u>Yes</u>
Transformer Cover	<u>NA</u>
Comms Cover	<u>Yes</u>
Comms Cover Material	<u>Plastic</u>
Cover Condition	<u>Good</u>

Vault Location

Street?
 Other? E side of street
 Subject to Flooding?

Photo E16-A



Appendix E

Water Main Hydrostatic Pressure Test Reports



Project: Winchester Mountainside Drive Infrastructure Assessment

Location: Mountainside Drive

Client: Town of Winchester, CT

Start Address: Hydrant near CB #4

Contractor: Verdi Construction Co, LLC

End Address: Valve at Mountainside Dr + Algonquin Cir

Job No: WIN045-0628072-25011149

Date: 10/07/2025

Water System: Town of Winchester

Time: 11:50 AM

Inspector: Lucy Temple

Sketch

Refer to Appendix A - Record Drawings with
Apex Annotations and Field Observations

Formula

S = length of pipe (ft.)

D = Diameter of pipe (in.)

P = Average test pressure (psi)

L = Allowable leakage (Gals/Hr.)

$L = (SD\sqrt{P}) / (148,000)$

Diameter of Main: 12", 8"
Length of Main: 1490', 835'

Test Requirements:

150 PSI for 1 Hrs.

Allowable Leakage Lost:

2.02 Gallons for 1 Hrs.

Actual Loss:

1.7 Gallons for 1 Hrs.

Calculations

$$L = (SD\sqrt{P}) / 148,0000$$

$$L(M) = (1490' * 12" * \sqrt{150}) / 148000$$
$$L(M) = 1.47 \text{ gal/hr}$$

$$L(H) = (835' * 8" * \sqrt{150}) / 148000$$
$$L(H) = 0.55 \text{ gal/hr}$$

$$L(M) + L(H) = \mathbf{2.02 \text{ gal/hr}}$$

Hydrostatic Pressure Test: _____ **Passed** / Failed

Approved By: _____

Client: Town of Winchester

Chlorination Requirements: Not Applicable of _____ % Solution

Results and Comments: _____

Quincy Office:
1900 Crown Colony Drive, Suite 402
Quincy, MA 02169
TL 617.657.0200 • FX 617.657.0201

Hyannis Office:
396 North Street
Hyannis, MA 02601
TL 508.568.5103 • FX 508.568.5125

Woburn Office:
18 Commerce Way, Suite 2000
Woburn, MA 01801
TL 781.281.2542 • FX 781.281.2543

Glastonbury Office:
628 Hebron Avenue, Suite 303
Glastonbury, CT 06033
TL 860.282.1700

Providence Office:
10 Orrs Street, Suite 325
Providence, RI 02904
TL 401.402.7580

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Appendix F

Sewer Force Main Hydrostatic Pressure Test Reports



Project: Winchester Mountainside Drive Infrastructure Assessment

Location: Mountainside Drive

Client: Town of Winchester, CT

Start Address: SC 1

Contractor: Verdi Construction Co, LLC

End Address: SC 13

Job No: WIN045-0628072-25011149

Date: 10/07/2025

Water System: Town of Winchester

Time: _____

Inspector: Lucy Temple

Sketch

Refer to Appendix A - Record Drawings with Apex Annotations and Field Observations

Formula

S = length of pipe (ft.)

D = Diameter of pipe (in.)

P = Average test pressure (psi)

L = Allowable leakage (Gals/Hr.)

L = (SDP) / (148,000)

Diameter of Main: 2", 3"

Length of Main: 4400'

Test Requirements:

110 PSI for 10 Min.

Allowable Leakage Lost:

_____ Gallons for _____ Min.

Actual Loss:

_____ Gallons for _____ Min.

Calculations

Did not calculate allowable leakage as system could not reach test pressure

Hydrostatic Pressure Test: _____ Passed / **Failed**

Approved By: _____

Client: Town of Winchester

Chlorination Requirements: Not Applicable of _____ % Solution

Results and Comments: _____

- SC 1 leaking significantly
- Unable to reach test pressure
- Smaller section may be able to pass

Quincy Office:
1900 Crown Colony Drive, Suite 402
Quincy, MA 02169
TL 617.657.0200 • FX 617.657.0201

Hyannis Office:
396 North Street
Hyannis, MA 02601
TL 508.568.5103 • FX 508.568.5125

Woburn Office:
18 Commerce Way, Suite 2000
Woburn, MA 01801
TL 781.281.2542 • FX 781.281.2543

Glastonbury Office:
628 Hebron Avenue, Suite 303
Glastonbury, CT 06033
TL 860.282.1700

Providence Office:
10 Orms Street, Suite 325
Providence, RI 02904
TL 401.402.7580

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Project: Winchester Mountainside Drive Infrastructure Assessment

Location: Mountainside Drive

Client: Town of Winchester, CT

Start Address: SC2

Contractor: Verdi Construction Co, LLC

End Address: SC13

Job No: WIN045-0628072-25011149

Date: 10/30/2025

Water System: Town of Winchester

Time: _____

Inspector: Lucy Temple

Sketch

Refer to Appendix A - Record Drawings with
Apex Annotations and Field Observations

Formula

S = length of pipe (ft.)

D = Diameter of pipe (in.)

P = Average test pressure (psi)

L = Allowable leakage (Gals/Hr.)

L = (SDP) / (148,000)

Diameter of Main: 2", 3"

Length of Main: _____

Test Requirements:

_____ 110 PSI for _____ 10 Min.

Allowable Leakage Lost:

_____ Gallons for _____ Min.

Actual Loss:

_____ Gallons for _____ Min.

Calculations

Allowable leakage not calculated as system
could not hold at test pressure

Hydrostatic Pressure Test: _____ Passed / **Failed**

Approved By: _____

Client: Town of Winchester

Chlorination Requirements: Not Applicable of _____ % Solution

Results and Comments: _____

- SC2 through SC13 failed, could not maintain test pressure
- SC2 through SC 7 fail (visible leakage at SC 7)
- SC2 through SC 6 fail (visible leakage at SC 4)
- SC2 to SC3 and SC5 only: still failed
- System repeatedly dropping to 80 psi

Quincy Office:
1900 Crown Colony Drive, Suite 402
Quincy, MA 02169
TL 617.657.0200 • FX 617.657.0201

Hyannis Office:
396 North Street
Hyannis, MA 02601
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