

MTA Locations

- 42nd & Park
→ Grand Central
- Not relevant

MTA Priority Locations and other areas of flooding concern

3C4 North Ave

NYC DEP Meeting – 6/08

Initial priority?	Location	Issue	Short-term goal	Permanent solution	DOT status	DEP status	Next step(s)/Responsibility
Y	NYCT - 65 th Street & Northern Blvd Stations (IND)	Stormwater from streets enters vent gratings and station entrances	NYCT temporarily close/tarp vents during rainstorms (<i>on-going until permanent soln is installed</i>)	NYCT raise vulnerable station entrances (<i>complete</i>); NYCT permanently close/raise vulnerable vents (<i>design underway</i>).	DOT is participating in design of raised vent solution with MTA flood mitigation team.	DEP to clean area catch basins on a semiannual basis. NYCT to clean area catch basins on an emergency basis. Cleaning activities to be coordinated. Status?	NYCDEP Response: DEP's recommendation is that MTA operating agencies should be clear debris off catch basin grates in anticipation of or during severe weather if the debris on the grates could exacerbate flooding. DEP will respond to issues that involve catch basins that are not taking water, broken etc but does not have nearly enough resources to add semi- annual cleanings at these basins. This information applies to all sites on this list were this recommendation is made. As per DEP review of complaint records for this vicinity this is not a chronic flooding location.
Y	NYCT - 36 th Street & Steinway Street Stations (IND)	Stormwater from streets enters vent gratings and station entrances	NYCT temporarily close/tarp vents during rainstorms (<i>on-going until permanent soln is installed</i>)	NYCT raise vulnerable station entrances (NYCT) (<i>complete</i>); NYCT permanently close/raise vulnerable vents (<i>design underway</i>)	DOT is participating in design of raised vent solution with MTA flood mitigation team.	DEP to clean area catch basins on a semiannual basis. NYCT to clean area catch basins on an emergency basis. Cleaning activities to be coordinated. Status?	NYCDEP Response: Installed a new catch basin and connection at this location recently. As per DEP review of complaint records for this vicinity this is not a chronic flooding location. See above re catch basin cleaning.
Y	NYCT - Parsons Blvd (IND) <i>X Hillspe</i>	Stormwater from streets enters vent gratings and station entrances	NYCT temporarily close/tarp vents during rainstorms (<i>on-going until permanent soln is installed</i>); permanently closed initially designated vents (NYCT) (<i>complete</i>)	NYCT Raise vulnerable station entrances (<i>complete</i>); NYCT permanently close/raise vulnerable vents (<i>design underway</i>)	DOT is participating in design of raised vent solution with MTA flood mitigation team.	DEP to clean area catch basins on a semiannual basis. NYCT to clean area catch basins on an emergency basis. Cleaning activities to be coordinated. Status?	NYCDEP Response: see above regarding catch basin cleaning.
Y	NYCT - 79 th Street (IRT)	Street Flooding through sidewalk gratings and station entrances	NYCT temporarily close/tarp vents during rainstorms (<i>on-going until permanent soln is installed</i>)	NYCT raise vulnerable station entrances (<i>complete</i>); NYCT raise vulnerable vents (<i>design underway</i>)	DOT is participating in design of raised vent solution with MTA flood mitigation team.	DEP to clean area catch basins on a semiannual basis. NYCT to clean area catch basins on an emergency basis. Cleaning activities to be coordinated. Status? <i>check valve was in place - 1400 hrs - done during storm</i>	NYCDEP Response: No DEP action needed. A check valve is needed on NYCT direct connect to sewer at West 81st Street. Background information: DEP prioritized catch basin cleaning work on 93rd to 59th Streets, on Broadway Amsterdam and Columbus Avenues as per discussions with NYCT and to help facilitate drainage. Work was completed in November and December of 07.
Y	NYCT - 86th Street (IRT)	Street Flooding through sidewalk gratings and station entrances	NYCT temporarily close/tarp vents during rainstorms (<i>on-going until permanent soln is installed</i>)	NYCT raise vulnerable station entrances (<i>complete</i>); NYCT raise vulnerable vents (<i>design underway</i>)	DOT is participating in design of raised vent solution with MTA flood mitigation team.	DEP to clean area catch basins on a semiannual basis. NYCT to clean area catch basins on an emergency basis. Cleaning activities to be coordinated. Status?	NYCDEP Response: No DEP action needed. At this location, (86th and Lexington) catch basins were inspected in late November/ December 2007; they were found to be functioning properly and did not require any cleaning from DEP. Virtually no curb reveal present during last DEP inspection.

DO we want to offer them some avenue for communicating their needs in this respect?

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Initial priority?	Location	Issue	Short-term goal	Permanent solution	DOT status	DEP status	Next step(s)/Responsibility
Y	NYCT - Chambers Street (IRT)	Street Flooding through sidewalk gratings and station entrances	NYCT temporarily close/tarp vents during rainstorms (<i>on-going until permanent soln is installed</i>)	NYCT raise vulnerable station entrances (<i>complete</i>); NYCT permanently close designated vents (<i>complete</i>); NYCT raise vulnerable vents (<i>design underway</i>); NYCT protect elevators (<i>design underway</i>)	Existing curb reveal less than design standard. DOT capital reconstruction is currently funded in fiscal year 2009. This should result in standard curb reveal in the six to seven inch range. Status? DOT participating in design of raised vent solution.	DEP to clean area catch basins on a semiannual basis. NYCT to clean area catch basins on an emergency basis. Cleaning activities to be coordinated. Status?	NYCDEP: No DEP actions needed. At this location, construction site was blocking basins. Condition has been addressed.
Y	LIRR - Bayside	Bayside Station experienced flooding by water coming up from under the ROW	DEP repair sewer (sleeve 22" pipe and grout) beneath LIRR ROW.	If sewer repair is not effective, LIRR to create a new pumped or gravity drainage system.		DEP contractor completed the sleeving of pipe under LIRR tracks at Bell Blvd. Work [grouting] has not been scheduled by the DEP subcontractor "En-Tech". LIRR has worked with them to plan work. Work forecast to take 1-2 days and will require a track outage on PW #2 track. This work has been on hold by En-Tech since Nov. 2007. Status? Contractor safety requirements being verified, expected start late June early July.)	Once DEP work is complete, LIRR to test or monitor effectiveness of repair. NYCDEP Response: pipe grouting completed August 1-2, 2008. No further DEP actions needed.
Y	MNR - Mott Haven Yard/149 th Street	Right-of-way flooding	MNR cleaned MNR storm drains and catch basins and installed new. DEP cleaned and inspected brick arch.	MNR to perform annual cleaning of MNR drainage structures. DEP to institute semi-annual cleaning of siphon and drainage system and increase capacity as needed.	DEP requested to investigate feasibility of installing of CSO or retention basin coordinated with DOT 153rd Street bridge construction. Status? DOT to repair expansion joints at 149th st. bridge. Status?	DEP Annual inspection of siphon at 149th and Park Ave. and remove obstructions e.g., defective taps/sediment. Status? Maintenance of two DEP sewers crossing the yard in an east/west direction at E. 149th Street and beneath existing school platform. Status? DEP requested to investigate/coordinate/install CSO retention to address SCA property (new construction site) and DOT 153rd street bridge drainage. Status? DEP grant MNR permission to install flow meters in DEP pipes in the Mott Haven area to more accurately predict and assess causes of future flooding. Status?	NYCDEP Response: DEP has agreed to annual cleanings of the siphon. First cleaning occurred during September 2007; next will occur September 2008. Buried basins and manholes located and excavated. Catch basins along Park Avenue between 149th and 152nd Streets were cleaned the week of August 4. Sewer at Mott Haven yard inspected and found to be in good physical condition with no debris impacting flow. SCA issue under investigation.

LIRR reps were originally uncooperative. DEP could not secure a core drilling contract to drill only one core; this delayed the project. LIRR reps/ or contractor eventually drilled the core for DEP.

flow metering issues- we won't do it but we will let them? Recommendation made by sewer analysis rebuild the siphon??? No Request to join DOT at 153rd Bridge reconstruction NO.

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Initial priority?	Location	Issue	Short-term goal	Permanent solution	DOT status	DEP status	Next step(s)/Responsibility
Y	MNR - Fordham Station	Run off from Webster Ave./Fordham Univ./surcharge	MNR increased the existing retaining wall height 1-2 feet to prevent roadway run off from entering the MNR ROW.	DEP verify adequacy of existing storm water system and increase if needed in this area.		Fordham University planning new dorms adjacent to MNR ROW with historic overland flow problems. Plans calls for 45,000CF retention before tying into DEP sewers. DEP to review the adequacy of - and perhaps apply an additional 10-20% factor of safety. Additional retention could reduce the probability for service disruption. Status? DEP Investigate the existing stormwater system capacity in Fordham Station area and improve as needed. Status? DEP installation of add'l basin on Webster Ave. at Fordham location. Status?	NYCDEP Response: Webster Ave catch basin installation completed 1-28-08. As per existing City regulations, DEP review of connections to the sewer system ensures that each specific site only contributes to the sewer up to allowable flow in accordance with the drainage plan for the area. No retention can be added offsite to buffer an adjacent facility. MTA should meet with Fordham to discuss their concerns. DEP understands that Fordham may be installing a retaining wall on their property.
N	LIRR - HPA & Line # 2	Long Island City, Line 2 connecting track and Hunter's Point Avenue floods coincident with high tide and heavy rainfall. The area of flooding is maintained by Amtrak.	LIRR to store pumps in LIC for a quick response.	DEP to verify adequacy of existing capacity and increase if needed.		DEP to evaluate drainage path / evaluate existing sewer capacity. Work is scheduled for June 2008. Status? Joint investigation conducted with Amtrak and DEP to find/ fix voids and determine the integrity of the system by LIRR forces with assistance from Amtrak. One 18" damaged pipe was identified, which is scheduled scheduled for repairs by LIRR late June early July 2008.	Evaluate drainage path (into DEP sewer or one that is impacted by tides from an East River tributary) and determine need for existing pumping capacity. Status? NYCDEP Response: DEP does not have specific location. No joint inspection work scheduled. MTA should provide precise location if DEP assistance is needed.
N	NYCT - 23rd St. / Park Ave.	Sewer Back Flow (sewer direct connect)	DEP clean and maintain sewer.	NYCT installed check valve (and gate valve). Complete.		DEP inspection/cleaning took place on 5-14 to 5-22 on Park Avenue between 23 and 21st streets. A good amount of debris was removed and the sewers were found to be in good condition. One of the lines and associated manholes were not completely cleaned. In other words, the sewer line has a reduced capacity. Status?	NYCDEP Response: The 42" combined sewer serving MTA was inspected and cleaned. An obstruction in the 15" sewer noted was not addressed. However, this 15" does not serve NYCT facilities and is not impacting drainage for them.
N	NYCT - Times Square	Sewer Back Flow. Location where subway drainage is directly connected to an DEP sewer.	DEP clean and maintain sewer.	NYCT install check valve.		DEP inspected and cleaned 42nd /Time Sq. 30" dia.	NYCDEP Response: DEP recommends NYCT install proper manhole covers in this station; manholes are located on the tracks and not properly secured. Check valves needed on NYCT connections to the sewer.

Need to advise them of the check valve permits. This is another location where we can't access to certain.

Sewer system maintenance access is an issue. DEP does not have the training for this.

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N	NYCT - Grand Central at Park Ave. - TSQ Shuttle	Sewer back flow. Location where subway drainage is directly connected to DEP sewer.	DEP clean and maintain sewer.	NYCT install check valve.		DEP inspected and cleaned 42nd /Grand central 3'-6" dia.	None.
N	NYCT - 157th Street - River Avenue	Sewer Back Flow. Location where subway drainage is directly connected to an DEP sewer.	DEP clean and maintain sewer.	NYCT install check valve. Complete.		DEP inspected and cleaned 15" dia.	None.
N	NYCT - 110th St. (Lenox Ave.)	Sewer Back Flow. Location where subway drainage is directly connected to an DEP sewer.	DEP clean and maintain sewer.	NYCT install check valve. Complete.		DEP inspected and cleaned 3-42" dia.	None.
N	NYCT - 72nd Street (B'way-7th Ave. line)		DEP clean and maintain sewer.	NYCT install check valve.		NYCT has requested that DEP clean 3 obstructed 30" sewers along Amsterdam between 71st and 72nd Street crossing B'way under the B'way-7th Ave. subway structure.	NYCDEP Response 3- 30" combined sewer cleaning and TV inspection occurred between July 10-17, 2008. The sewer is in good condition and was cleaned.
N	NYCT Revenue facility (46 Metropolitan Avenue, Queens)	Flooding.	DEP to install catch basin. Complete.			DEP installed catch basin.	None. <i>Check</i>
N	NYCT - Grand Avenue bus depot, Maspeth, Queens	Flooding.	Attributed to NYCT construction project.	NYCT to complete construction/repair temporary vulnerabilities. Complete.		N/A	None.
N	LIRR - Hillside Support Facility - 183rd & Liberty	Damaged drainage and clogged storm drains @ 183rd Street & Liberty from on-going Street reconstruction. Street flooding affected dispatching of support staff.	DEP repair existing drainage pipes that were broken during construction, and clean clogged storm drains.	DEP (DDC) increasing sewer capacity.		DEP has inspected and cleaned catch basins at this location. With DOT assistance, we continue to coordinate the road construction at 183rd and Liberty with DDC. New utilities (water mains & drainage) are scheduled to be installed this summer. In addition, 183rd St (between Jamaica Ave & the south end of the LIRR Yard Tracks) is scheduled to be totally reconstructed. DDC has agreed to stage work so that the LIRR is minimally impacted. All work is scheduled to be completed by 12/08. DEP to verify demand, capacity and scope of sewer improvements required in this region. Can DEP provide periodic monitoring of temporary facilities? Status?	NYCDEP Response: DEP re-inspected this area during the week of August 11 to determine if basins previously impacted by debris and concrete remain so. Basins were found to be generally in acceptable condition. These are inlet basins; the inlet chamber will be inspected and cleaned to ensure appropriate function. LIRR site driveway has a zipper drain; DEP does not recommend zipper drains as the clog easily and further, this drain was observed to be clogged during DEP's basin inspections. LIRR site is large and impervious, should consider retention. This intersection is a local low spot; water will naturally collect here. DDC project is not installing storm sewers. During scoping of the job they were not found to be necessary.

Sewers downstream of this location need cleaning.

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	LIRR - Elmhurst (aka Calamus Ave -south of LIRR's main line tracks in the "Rego park area")	Storm runoff eroded LIRR embankment/washed sidewalk, vegetation, soil etc. onto LIRR tracks/ROW. Possibly failed drainage system.	Reinforce embankment and track structure on north and south sides of the Main Line, repair sidewalk re-profile adjacent area to route storm water into the street. Complete by LIRR .	DEP drainage capacity improvement as needed with outlet system on the north side of the Main Line. DOT to raise curb and reprofile street.	DOT will install a curb (5" reveal) along the road sometime in 2008. Raising the curb line to divert the water into storm system and away from LIRR ROW. This is complete.	DEP repaired 84th Street and Calamus Ave. condition. DEP has found its facilities are operating properly and in good condition. Site meeting held on 3/31/08. DEP stated that they investigated their records and found no information pertaining to drainage pipes crossing the LIRR ROW. No further action required. DEP to verify demand, capacity and scope of sewer improvements required in this region. Status?	DEP to verify demand, capacity and scope of sewer improvements required in this region. NYCDEP Response: No further action required by DEP.
N	MNR - Claremont Parkway	Run off from adjacent property	The existing catch basin has been modified to prevent washing out of ballast on the adjacent track. MNR mitigated runoff from adjacent property to the ROW by installation of berm.	DEP to coordinate improvement to existing storm sewer system if required.		DEP has determined that their facilities are operating properly. MNR requested one last look at installing a new basin just south of the Tulnoy Lumber driveway on Webster Ave. near Claremont Parkway. Status? Request camera inspections of DEP drainage lines under the MNR ROW near Claremont Parkway/Fordham. Status?	NYCDEP Response: Wet weather inspections of this system have been performed and found no signs of significant flooding. DEP has reviewed the area to determine if a new catch basin is needed and found that it is not. MNR should contact DOB Borough Commissioner if Lumber Yard is impacting their site. This is illegal and DOB is the enforcement entity.
N	MNR - Tk 3 Riverdale at 254th St.	Run off from roadways overflows catch basins and curbing	MNR removed mud and debris, and installed temporary slope stabilization measures.	DEP to coordinate improvement to existing storm sewer system if required.		Request that inspections of the DEP basins and pipes along Palisades Ave. above the MNR ROW and at 254th street near the MNR ROW. Status?	NYCDEP Response: Wet weather inspection performed on Palisades from 254th to 231st Streets. Two basins at West 247th Street and Independence Avenue were cleaned; all other basins found to be functioning properly. Private property and streets are located adjacent to MTA ROW; DEP does not serve private streets. A culvert is located on private property at XX XX is not working properly. DEP looking into status. DEP confirming where city sewers are verses private streets.
N	MNR - Tk 3 Spuyten Duyvil MP11.62	Run off from roadways overflows catch basins and curbing	MNR - removed mud and debris, and installed temporary slope stabilization measures.	DEP to coordinate improvement to existing storm sewer system if required.		MNR inspected Palisades Ave. (2/1/08) and one problem area is a low spot in the roadway near Riverdale Park. Another area of concern is at the intersection of 231st St. (River Rd.). During a heavy rain there was a significant amount of muddy water and sediment on the eastern tracks below that location - but fortunately, not enough to affect service. However, the entire length from Independence Ave. to 247th St. is of concern. Status?	NYCDEP Response: River Rd is likely a private road. TO BE CONFIRMED>

Confirm status of the sewer line under the ROW. Previous reports indicate it does not exist.

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N	MNR - Tk 3 CP 12-Spuyten Duyvil	Run off from roadways/property above mudslide	MNR removed mud and debris, and installed temporary slope stabilization measures.	DEP to coordinate improvement to existing storm sewer system if required.		DEP to inspect catch basins and lines along Palisades Ave. 1) at Riverdale Park and 2) at the intersection of 231 st Street and River Road. The entire length of Palisades Ave. from Independence Ave. to 247 th Street is a concern – inspect sewers. Status?	NYCDEP Response: See above. Same issues along this stretch.
N	B&T - Grand Central Parkway at the foot of the Triborough Bridge	Flooding can close the Parkway and force all eastbound traffic onto local streets via 31st street exit. Flooding on westbound parkway detours Manhattan/Bronx-bound bridge traffic onto local streets.	Clean and maintain drainage.			DEP responsive to requests.	
N	B&T - Cross Island Parkway (CIP) eastbound at the foot of the CIP Exit Ramp of the Throgs Neck Bridge	Flooding at catch basins at intersection of ramp and parkway forces B&T to close the exit, leaving the Clearview Expressway as the only bridge egress. Flooding of the westbound CIP at the foot of the bridge can close the "onbound" ramp.	Clean and maintain drainage.			DEP responsive to requests.	NYCDEP Response: DEP does not believe this is a chronic flooding location. DEP observed construction temporary facilities blocking catch basin here. The roadway has recently (late spring) been repaved and the construction staging area removed.
N	MTA Bus - Flooding at Spring Creek bus depot located at 12755 Flatlands Avenue, Brooklyn.	Flooding directly in front of entrance, which is the terminus of Flatlands Avenue, beyond the intersection with Fountain Avenue. Crown in the street is too high, sewer is located in a bad spot, relative to drainage in the area.	TBD	TBD	NYCT requests that DOT grade the street to eliminate scraping of buses leaving driveway.		
N	MTA Bus - Flooding at Far Rockaway bus depot located on Beach 49th Street between Rockaway Beach Blvd and Edgemere, Queens.	Problems with paving of dead end street and drainage adjacent to depot.	TBD	TBD	NYCT requests that DOT properly pitch the street across from depot to eliminate large puddle and inability to access parking area.		DOT meeting