

Sent Via Email

March 11, 2021

Jenny Raitt, Director
Department of Planning and Community Development
Town of Arlington
50 Pleasant Street
Arlington, Massachusetts 02476

RE: Response to BETA Civil / Wetland Peer Review #3
Thorndike Place Comprehensive Permit Application

Dear Ms. Raitt:

On behalf of the Applicant, Arlington Land Realty LLC, BSC Group, Inc. (BSC) is pleased to provide the following responses to peer review for the Thorndike Place residential project on Dorothy Road in Arlington, Massachusetts.

This letter responds to comments provided by BETA Group, Inc. (BETA) in a letter to you dated February 12, 2021. On February 16, 2021, BSC submitted Response 2 to Site Plan review comments provided by BETA and the Town Engineer. Several comments in this February 12, 2021 BETA letter state “No response received”. Where a response was contained in the February 16 BSC letter, it is provided again here for convenience and noted as *2/16 BSC Response*. Specifically, the comments that were addressed on 2/16 by BSC are: *Comment Numbers 2, 3, 7, 8, 10, 11, 13, 21, 22, and 23*. Further, it is noted that several comments in the most recent BETA comment letter state “comment resolved”, “no further comment” or no response is required by the Applicant. In these instances, the final BETA comments are acknowledged but no further response is provided. The “resolved” or “no further comment” resolutions apply to Comment Numbers 5, 6, 9, 12, 16, 18, 19, 20, 24, and 25.

The section headings and comment numbers below correspond to the February 12, 2021 comments from BETA. For clarity, we have repeated original comments in standard text and provided our response in italics (*3/10 BSC Response*).

Many of the comments included below include final design elements that will be incorporated into the final site plans submitted for review for consistency with the Board’s decision or will be coordinated with the appropriate Town Department prior to submission for building permit.

Responses to BETA Peer Review 3

2015 Comprehensive Permit Application

A Comprehensive Permit Application was originally submitted for the proposed Thorndike Place project by the Applicant in 2015. Nover-Armstrong Associates (N-A) conducted a detailed peer review of the application package and issued a peer review letter dated August



10, 2015. Their review letter contained eighteen (18) comments regarding the site plans and application package. The following comments from the 2015 N-A review letter related to civil/site design remain applicable:

15. Eight boring locations are shown on the Existing Conditions Plan C-1 with surface elevations and depths to groundwater noted. Dated and detailed boring logs are not provided on the plans or in the Application making it difficult to evaluate whether the depth of the groundwater observed represents the seasonal high groundwater elevation. The depth to groundwater is presumed to have been measured the day the borings were advanced and may not represent the actual high ground water elevation.
16. Excavated test holes witnessed by a MassDEP Soil Evaluator are necessary to definitively identify the Site's soil types and whether the conceptual project design is generally appropriate for the Site. Boring logs document encountered type soils on the Project Site which help evaluate what types of BMPs would be feasible for the stormwater management system.

Recommendation: The results of any soil borings or test pits done on the project site should be submitted for review. Determination of the seasonal high groundwater elevation is necessary to confirm that the proposed stormwater BMPs are suitable as shown.

BETA 1: Data for three test pits has been provided. Groundwater elevations are shown as varying from -0.5' to 3.0'. The infiltration system designs reflect these groundwater elevations. Two feet of separation to groundwater is provided for Infiltration basin 1. Infiltration Basin 3 should be raised 0.2 feet to provide a full 2-foot separation. Given the variation in groundwater elevation indicated by the test pits, it is suggested that groundwater be confirmed prior to construction. This should be done during seasonal high groundwater conditions.

3/10 BSC Response: In the BSC 1/21/2021 response to the Town Engineer's comments, the Applicant has proposed, as a condition of the Comprehensive Permit, to perform confirmatory on-site testing for groundwater levels during March and/or April 2021 during the expected seasonal high groundwater period. Any modifications to the drainage system design required as a result of new groundwater information will be incorporated into final site plans for review by the Town prior to issuance of building permit.

SITE PLANS

New Comment 1. The Applicant has submitted select plans in response to previous comments. A full set of plans should be submitted to the Board reflecting all changes since the November 2020 submission.

New Comment 2. Based on discussions at the February 4, 2021 working session meeting it appears that the project design may be revised that include.

- Modifications to the building roof line along Dorothy Road and Littlejohn Street.
- Modification to the proposed surface parking on the west side to reduce the overall footprint.



Recommendation: Revised plans and calculations should be submitted to reflect these changes.

3/10 BSC Response: The proposed building and site modifications presented at the February 4, 2021 working session and the February 16, 2021 public hearing along with any other minor modifications in response to further review and comment will be incorporated into the final site plans submitted for review for consistency with the Board's decision or will be coordinated with the appropriate Town Department prior to submission for building permit. The Layout & Materials Plan, Sheet C-103, revised 3/11/21, depicts the proposed changes to the site plan as discussed at the February 4, 2021 working session and as presented at the February 16, 2021 public hearing is provided as an attachment to this letter.

New Comment 3. The stormwater design for the trench drain at the drop-off area in front of the building (Subcatchment 4S) assumes that no runoff bypasses the drain and enters Dorothy Road. The calculated runoff for the 100-year storm is 1.3 cfs.

Recommendation: Calculations should be provided to confirm that the proposed trench drain grate has the capacity to accept this runoff without bypass to Dorothy Road. Alternatively, consideration could be given to revising the driveway grading so that it does not flow to Dorothy Road.

3/10 BSC Response: The proposed trench drain at the courtyard parking area is approximately 70-feet long with a 12-inch grate. The tributary drainage area is only 6,330 square feet (0.15 acres). The inlet capacity of the trench drain is more than adequate to handle the limited runoff from this small area. Final design and sizing calculations will be included with the final site plans submitted for review for consistency with the Board's decision prior to submission for building permit.

1. The proposed erosion control barrier is shown on the Site Preparation plan only.

Recommendation: The applicant should also show the erosion control barrier on the Layout, Grading and Utility Plans.

Applicant's Response 1/21/2021: Response: The erosion control barriers have been added to the Layout, Grading, and Utility Plans. The revised Grading & Drainage Plan is enclosed. The other plans will be submitted under separate cover.

BETA 1: Propose Erosion Controls have been shown on the January 21, 2021 Grading and Drainage Plans.

Recommendation: A complete plan set should be submitted to confirm that this is followed through on all relevant plan sheets. Also, additional erosion controls should be shown for the proposed compensatory flood storage. It is understood that the proposed compensatory storage will be revised to avoid the 25 foot No Disturb Zone of the adjacent wetland.

3/10 BSC Response: Erosion controls, including for the proposed compensatory flood storage area will be shown on the final site plans submitted for review for consistency with the Board's decision prior to submission for building permit.

2. A 15-ft wide pervious paver emergency access drive is shown looping around the rear of the main site building.

Recommendation: The Applicant should confirm that the access drive can



accommodate an emergency vehicle (fire truck) turning around the southeast corner of the site building.

BETA 1: No response received

2/16 BSC Response: A truck turning exhibit has been prepared showing the emergency vehicle route, a copy of which is enclosed herein. The turning radius specifications were provided by the Arlington Fire Department.

3. Existing Conditions Plan - The applicant should add a professional surveyor's stamp.

Recommendation: Provide Existing Conditions Plan stamped by a MA Professional Land Surveyor.

BETA 1: No response received

2/16 BSC Response: The Existing Conditions Plan will be stamped by a professional land surveyor and will be included in the final site plans submitted for review for consistency with the Board's decision.

4. General – The applicant proposes to provide stormwater detention/retention on the building roof. The applicant should provide design plans/calcs of the proposed building roof (when developed) for review by an architect and/or structural engineer.

Applicant's Response 1/21/2021: Runoff calculations have been revised to include discharge from the roof detention system in all storms analyzed. This overflow will be at a controlled rate and will flow into the underground infiltration system in the parking lot west of the building. The detailed design of the rooftop detention will be provided as the architectural and plumbing construction plans are developed. In addition, approximately 9,000 square feet of the southeast corner of the building roof will discharge directly to the surface through a roof drain. Please see the enclosed, revised Stormwater Report for additional information and calculations.

BETA 1: The drainage calculations have been revised to include discharge from the roof detention system based on a 4" grate and an 18" diameter connection to Infiltration Basin 1. The calculations indicate a storage depth of 6" – 7" during the 100-year storm.

Recommendation: Additional detail should be provided to confirm the outlet configuration and actual available storage on the roof. Also, maintenance of the outlet needs to be addressed. A single outlet for the roof runoff increases the potential for clogging and failure of the system. The Applicant should also confirm if potential changes to the roofline along Dorothy Road and Littlejohn Street will impact the available roof storage volume.

3/10 BSC Response: As previously stated, the detailed design of the rooftop detention will be provided as the architectural and plumbing construction plans are developed. The detailed design will address the maintenance of the outlet control structure. The architectural design will also include scuppers or downspouts that will operate as an emergency overflow in the event the outlet control structure is clogged during a storm event. Lastly, the proposed changes to the roofline of the building wings fronting on Dorothy Road do not impact the available roof storage volume. The Stormwater Report indicates that 38,000 square feet of the roof area was providing detention. The 38,000 square feet is provided on the 4-story portion of the building.

5. The applicant proposed a subsurface "Stormtrap" infiltration chamber system on the



west side of the project site. The proposed system is located directly on top of an existing 14-inch sewer line. This presents a potential issue regarding accessing the existing sewer line for future maintenance or repair requirements.

Recommendation: The Applicant should confirm with the Arlington Public Works and/or Sewer Department that the proposed location of the infiltration system is acceptable.

Applicant's 1/21/2021 Response: The system in question has been relocated south of the sewer line to allow Town access should it be needed. Please refer to the enclosed revised Grading & Drainage Plan.

BETA 1: The proposed subsurface infiltration system has been redesigned to avoid the existing sanitary sewer line. Groundwater mounding analysis indicates that the ground water mound will extend beyond the sewer line. However, based on test pit data the sewer is currently below the groundwater table so this should not have a negative impact. Comment resolved.

6. Grading and Drainage Plan – The proposed 15-inch drainpipe from OCS-1 to FES-1 has minimal cover.

Recommendation: The applicant should revise the proposed grading in this area to provide adequate cover over the proposed drain.

Applicant's 1/21/2021 response: This pipe has been reduced in size to 12-inch HDPE and the grading as proposed provides sufficient cover. Please see the enclosed revised Grading & Drainage Plan.

BETA 1: The system has been redesigned and the pipe as proposed has adequate cover. Comment resolved.

7. Grading and Drainage Plan – The applicant proposes an entrance door to the garage level on the east side of the building, the proposed finished grade elevation is 2.83. The seasonal high groundwater elevation of the site development area is presumed to be around elev. 3.0 based on past soil borings.

Recommendation: The applicant should confirm the seasonal high groundwater elevation in this area and provide appropriate mitigative measures if necessary, to prevent surface water from entering the garage through the doorway.

BETA 1: No response received. However additional test pit data was submitted indicating groundwater elevations at 0.2 feet in the vicinity of the garage opening. As previously noted, groundwater elevations should be confirmed prior to construction.

2/16 BSC Response: The project architect is reviewing options to raise the elevation of the garage entrance door on the east side of the building above the seasonal high groundwater elevation. The change in elevation will be accomplished with an internal ramp. Additionally, test pits conducted on the site demonstrate groundwater to be at El.=3.0. The applicant has proposed as a condition of the Comprehensive Permit to perform confirmatory on-site testing for groundwater levels during March and/or April 2021 during the expected seasonal high groundwater period.

3/10 BSC Response: In addition to the mitigative measures described above, the project architect is reviewing and additional option to enclose the exterior portion of the ramp along the east wall of the building and providing the entrance door at approximately



elevation 7.0.

8. Areas for trash collection and snow storage are not identified on the site plan.

Recommendation: The Applicant should identify potential areas for trash collection and snow storage on the site plan to confirm that these will not conflict with other site elements.

BETA 1: No response received.

2/16 BSC Response: The proposed location of the trash room in the basement level is shown on Sheet C-104 of the site plans and the Garage Plan in the architectural drawings. All trash and recycling facilities are located on the garage level. Building management staff will wheel out trash and recycling on trash/recycling days to a location on the south side of the garage vehicular ramp where it will be removed by waste haulers.

Snow storage for the surface parking lot and primary access drive will be provided off the pavement on the west side of the parking lot. Snow storage for the courtyard entrance will be provided off pavement within landscape areas and to the east and west of the courtyard between the building and back of sidewalk. Any excess snow will be removed and properly disposed of offsite.

The trash/recycling collection areas and designated snow storage areas will be depicted in the final site plans submitted for review for consistency with the Board's decision.

9. Civil and Landscape Details (sheet 1) – The applicant has provided a Silt fence with Haybales erosion control barrier detail.

Recommendation: The applicant should utilize an 18-inch diameter compost filled silt sock with silt fence in lieu of staked haybales for erosion control measures.

Applicant's 1/21/2021 Response: The perimeter erosion controls have been revised as recommended and are shown on the enclosed revised Site Preparation Plan and Grading & Drainage Plan. A detail of the 18-inch diameter compost-filled silt sock with silt fence has been added to the enclosed Civil and Landscape Details (Sheet C-200).

BETA 1: Revisions are acceptable. Comment resolved.

10. The applicant should provide a detail of the proposed Outlet Control Structures #1 and #2. Also, the applicant should review OCS-2 as it appears that the structure is too shallow to be constructed as shown.

Applicant's 1/21/2021 Response: The revised stormwater management system only includes one outlet control structure (OCS, previously designated at OCS-2), as shown on the revised Grading & Drainage Plan. This structure is a 6-foot diameter manhole with an outlet pipe higher than the inlet pipe. A detail has been added to the enclosed Civil & Landscape Details Sheet C-203.

BETA 1: The drainage system design has been revised. A detail of OCS-1 is provided. It is suggested that the detail on Sheet C-203 be revised to more accurately depict that the invert of the 12" outlet pipe is at the top of the 30" inlet.



The function of OCS-1 is not clear as the drainage calculations show no discharge from infiltration basin 3 during the 100-year storm.

3/10 BSC Response: The detail shown on Sheet C-203 will be revised to accurately show the invert of the 12" outlet pipe at the top of the 30" inlet. The revision will be incorporated in the final site plans submitted for review for consistency with the Board's decision. The function of OCS is to provide an emergency overflow for the underground detention system draining the garage ramp.

11. Recommend the applicant adjust the location of the proposed pedestrian ramp on the west side of the site building so that it is located within the proposed crosswalk crossing the site access drive.

BETA 1: No response received

2/16 BSC Response: BSC concurs with this recommendation. The location of the proposed pedestrian ramp on the west side of the building will be relocated to align with the proposed crosswalk crossing the site access drive and will be depicted in the final site plans submitted for review for consistency with the Board's decision.

12. Recommend the applicant confirm that any footing of the proposed retaining wall near the driveway garage entrance will not conflict with the existing drainage pipe located in the same area.

Applicant's 1/21/2021 Response: The garage ramp retaining wall and associated grading have been revised to eliminate any potential conflict with the existing drainage pipe and is shown on the revised Grading & Drainage Plan.

BETA 1: The retaining wall has been shortened to avoid impacting the existing drain. To accomplish this the slope of the driveway has been increased from about 5% to about 8%. No further comment.

FLOOD PLAIN

13. A portion of the proposed project design requires filling within the 100-year flood plain. Compensatory storage is required on a 1:1 (per foot) basis by the Mass Wetlands Protection Act (310 CMR 10.57) and on a 2:1 basis by the Arlington Wetlands Bylaw.

The applicant has provided compensatory flood plain storage calculations in the stormwater report (Sec. 2.12) and has designated an upland area on the site plan southeast of the proposed building for compensatory storage. In addition, the southeast courtyard area is labeled "Open Space / Flood Storage".

Recommendation: The Applicant should provide a plan graphic showing the existing flood plain area being altered by the proposed building / site development, currently the building hatch is obscuring the flood plain limits. The proposed compensatory flood storage volume calculations and designated flood storage volume area appear consistent.

BETA 1: No response received. We understand that the compensatory floodplain storage will be revised to avoid impact to the 25 foot No Disturb zone of the adjacent wetland.



2/16 BSC Response: A floodplain impacts and compensatory storage exhibit was previously submitted. A revised floodplain impacts and compensatory storage exhibit considering the Isolated Vegetated Wetlands (IVW) and AURA is attached. The proposed compensatory storage areas located within the AURA to BVW or IVW have been located, where possible, within the outer 50 feet of the AURA. This work is also considered a temporary disturbance area and once the compensatory storage work is complete, it will return to its natural function as AURA and Land Subject to Flooding.

STORMWATER MANAGEMENT

14. The Applicant should provide onsite soil exploration / test pit data for review, specifically within the footprints of the two proposed subsurface infiltration chamber systems. The test pit data is required at a minimum to determine the seasonal high groundwater elevations within the project limits.

Applicant's 1/21/2021 Response: In November 2020, BSC performed three soil test pits on site. The results of these test pits confirmed the soils mapping and previously performed borings with regard to seasonal high groundwater. Locations of the test pits are shown on the enclosed revised Grading & Drainage Plan. Test pit logs are included in Appendix D and more detailed information is provided in Section 1.02 of the revised Stormwater Report.

BETA 1: Data for three test pits has been provided. Groundwater elevations are shown as varying from -0.5' to 3.0'. The infiltration system designs reflect these groundwater elevations. Two feet of separation to groundwater is provided for Infiltration basin 1. Infiltration Basin 3 should be raised 0.2 feet to provide a full 2-foot separation. Given the variation in groundwater elevation indicated by the test pits, it is suggested that groundwater be confirmed prior to construction. This should be done during seasonal high groundwater conditions.

3/10 BSC Response: In the BSC 1/21/2021 response to the Town Engineer's comments, the Applicant has proposed, as a condition of the Comprehensive Permit, to perform confirmatory on-site testing for groundwater levels during March and/or April 2021 during the expected seasonal high groundwater period. Any modifications to the drainage system design required as a result of new groundwater information will be incorporated into final site plans for review by the Town prior to issuance of building permit.

15. The proposed site building roof will be designed to provide stormwater detention, with a roof drain connection to the proposed subsurface infiltration chamber system #1 located west of the building. The HydroCAD model included with the Stormwater Report shows zero runoff leaving the roof area for all storms up to and including the 100-year design storm. Discussions with the applicant indicate the disposition of this retained stormwater has not yet been finalized. Until the disposition of the retained rooftop stormwater is known, its effects on the proposed stormwater BMPs cannot be evaluated.

Applicant's 1/21/2021 Response: Runoff calculations have been revised to include discharge from the roof detention system in all storms analyzed. This overflow will be at a controlled rate and will flow into the underground infiltration system in the parking lot west of the building. The detailed design of the rooftop detention will be provided as the architectural and plumbing construction plans are developed. In addition, approximately 9,000 square feet of the southeast corner of the building roof will discharge directly to the surface through roof a roof drain. Please see the enclosed,



revised Stormwater Report for additional information and calculations.

BETA 1: See response to Comment 4. Additional information should be provided as the architectural plans are developed to confirm that the roof detention will function as shown in the calculations.

3/10 BSC Response: See 3/10 BSC Response to Comment 4 above.

16. The proposed infiltration chamber system #1 receives stormwater from a proposed CB located between the site access drive and proposed parking area west of the site building. The rim elevation of this CB is 8.0. The results of the HydroCAD model indicate that the 50-yr flood elevation within the infiltration system is elev. 8.28. This flood elevation will cause stormwater to surcharge out of the CB grate and overflow down the access driveway to the lower garage level.

Recommendation: The Applicant should reevaluate the proposed infiltration chamber system #1 to provide adequate stormwater capacity so that there is no onsite surface surcharge for any of the proposed design storms.

Applicant's 1/21/2021 Response: The infiltration system has been revised, both in footprint and storage volume and the area around the catch basin regraded (rim elevation 8.84) so that no surcharge will occur. Please refer to the enclosed revised Grading & Drainage Plan.

BETA 1: The proposed grading has been revised on the 1/21/2021 Grading & Drainage plan so that the CB rim is above the 100-year water surface elevation in infiltration basin 1. Comment resolved.

17. The proposed infiltration chamber system #2 located near the southwest corner of the site building receives stormwater from a proposed trench drain located across the access driveway to the lower garage level. The rim elevation of the proposed trench drain is 4.1. The results of the HydroCAD model indicate that the 2-yr flood elevation within the infiltration chamber system is elev. 8.40. This is not possible. The applicant is currently reevaluating the design of Infiltration Chamber System #2.

Applicant's 1/21/2021 response: he proposed system has been resized and the area around the trench drain regraded so that no surcharge will occur.

BETA 1: The rim elevation of the driveway trench drain has been revised to be 0.18 feet above the 100-year water surface elevation in Infiltration basin 3 to avoid surcharging to the driveway surface. However, the infiltration basin bottom should be raised 0.2 feet to provide the required 2-foot separation to groundwater. This may require adjustment of the trench drain rim elevation.

3/10 BSC Response: as stated in the response to Comment 14 above, the Applicant has proposed, as a condition of the Comprehensive Permit, to perform confirmatory on-site testing for groundwater levels during March and/or April 2021 during the expected seasonal high groundwater period. Any modifications to the drainage system design required as a result of new groundwater information, including raising the bottom elevation of infiltration areas, will be incorporated into final site plans for review by the Town prior to issuance of building permit.

18. The applicant should provide groundwater mounding calculations as the two proposed infiltration chamber systems are designed to provide peak rate mitigation and appear to be within 4-ft of estimated seasonal high groundwater.



Applicant's 1/21/2021 Response: A groundwater mounding analysis of the underground recharge system has been performed and is included in Section 6.05 of the Stormwater Report. The analysis shows that the groundwater mound is less than the provided separation to groundwater.

BETA 1: A mounding analysis has been provided for Infiltration Basin 1. The mounding analysis adequately represents anticipated conditions. The expected vertical extent of the mound will be below the bottom elevation of the basin. The expected horizontal extent of the mound dissipates before it reaches any adjacent existing foundations.

19. The HydroCAD model included in the stormwater report analyzes the proposed stormwater BMPs over a 24-hr time period.

Recommendation: The applicant should increase the analysis time period to 72 hours to allow the BMPs to demonstrate their drain down capacity after the storm event concludes.

Applicant's 1/21/2021 Response: The analysis time period has been extended to 72-hours as requested. In addition, a drawdown calculation in accordance with Volume 3, Chapter 1 of the Massachusetts Stormwater Handbook has been performed demonstrating that the infiltration system will drain within 72-hours. This information is included in Section 6.02 of the accompanying Stormwater Report.

BETA 1: The drawdown calculations have been provided and are acceptable. Comment resolved.

20. MassDEP Stormwater Standard #10 – The applicant should provide a signed Illicit Discharge Compliance statement.

Applicant's 1/21/2021 Response: An illicit discharge compliance statement has been included in Section 6.06 of the Stormwater Report and will be signed by the Applicant prior to issuance of permits.

BETA 1: The Illicit Discharge Statement has been provided. Comment resolved.

UTILITIES

21. The applicant proposes some drain manholes (DMH-2, 3) requiring shallow installations. For these applications the applicant should confirm the frame/cover height (standard 8-in, shallow 4-in) and that adequate cover exists over the inlet/outlet pipes for constructability.

BETA 1: No response received

2/16 BSC Response: DMH-2 and 3 have been eliminated in the revised stormwater management system design as submitted to the Board and The BETA Group on January 25, 2021.

22. The Utility Plans show the proposed utility services from the project site to the existing municipal/gas/electric utilities in Dorothy Road.

Recommendation: We recommend the Applicant coordinate with the Arlington Public Works Department and local utility companies regarding all proposed site utility connections to the public utilities in Dorothy Road to confirm compliance with applicable construction standards.

BETA 1: No response received.



2/16 BSC Response: A detailed plan review and comments was provided by the Town Engineer. Responses to those comments are provided below.

23. The existing survey shows an existing drain line in Dorothy Road that runs in front of the project site. The Utility Plan shows three proposed sewer service lines from the building to the existing municipal sewer in Dorothy Road that cross the drain line.

Recommendation: The Applicant should confirm the proposed sewer services as shown do not conflict with the existing drain line.

BETA 1: No response received.

2/16 BSC Response: The existing sewer line that runs within the easement across the property frontage on Dorothy Road has an invert of approximately elevation = 1.7 to 1.2. The proposed building sewer laterals have invert elevations = 5.22 to 4.33; providing a minimum of 1 foot separation where crossing the existing sewer.

CONSTRUCTION

New Comment 1. It is suggested that prior to construction, the Applicant prepare a Construction Management Plan (CMP) for review and approval by the Board. The CMP will provide documentation of various construction related activities. The CMP should include:

- Project Description and outline of primary construction tasks
- Project Schedule including hours of operation, duration of primary construction tasks and estimated completion date
- Project logistics including staging areas, truck routes, laydown areas, contractor parking and traffic management
- Site Management including noise mitigation, dust control and security
- Public Safety and Coordination including contact information and site inspections

3/10 BSC Response: A Construction Management Plan (CMP), containing the information above, will be prepared by the General Contractor and submitted to appropriate Town staff prior to issuance of building permit.

New Comment 2. The Long Term Pollution Prevention & Operations and Maintenance Plan should include requirements for inspection and cleaning of trench drains and the roof stormwater outlet to ensure these are functional prior to significant rain events.

3/10 BSC Response: The Long-Term Pollution Prevention & Operation and Maintenance Plan will be updated to include requirements for the inspection and cleaning of the trench drains and roof detention outlet control structure. The inspection and cleaning requirements will be included in the revised Stormwater Report to be included with the final site plans submitted for review for consistency with the Board's decision prior to submission for building permit.

New Comment 3. The Long Term Pollution Prevention & Operations and Maintenance Plan should include provisions for maintenance and cleaning of compensatory flood storage areas to ensure these remain functional.

3/10 BSC Response: It is not appropriate for the maintenance and cleaning of the compensatory flood storage areas to be included in the Long-Term Pollution Prevention



& Operation and Maintenance Plan. Requirements for the compensatory flood storage areas will be addressed in the recommended conditions provided by BETA and the Arlington Conservation Commission.

24. Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan – Section 3.10.4 Equipment/Vehicle Maintenance and Fueling Areas:

Recommendation: BETA recommends adding a provision prohibiting refueling of vehicles or equipment within 100-feet of any onsite resource area.

Applicant's 1/21/2021 Response: A prohibition on refueling and maintenance has been added in Section 3.10.5 of the Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan as recommended.

BETA 1: Information provided. Comment resolved.

25. Recommend the applicant add a provision to the Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan that “Dorothy Road shall be swept clean on a daily basis of any soils tracked onto it from the project site”.

Applicant's 1/21/2021 response: A daily sweeping requirement has been added in Section 3.10.1 of the Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan as recommended.

BETA 1: Information provided. Comment resolved.

26. As part of a Construction Management Plan the applicant should develop a map of approved haul routes for trucks traveling to/from the project site during construction as the immediate site vicinity is comprised of narrow residential streets.

3/10 BSC Response: As provided in the 1/25/2021 BSC response to BETA Traffic Impact Assessment comments, the Construction Management Plan will include a Construction Traffic Management Plan that will include construction vehicle access routes, hours of construction and temporary parking restrictions. The Construction Traffic Management Plan will be prepared by the General Contractor and submitted to appropriate Town staff prior to issuance of building permit.

RESOURCE AREAS

BETA has provided recommended conditions related to compensatory flood storage mitigation, vegetation replacement, invasive species management, and no work within the 25-foot No Disturb Zone. The proposed conditions are consistent with conditions proposed by the Arlington Conservation Commission (ACC). The Applicant's responses to the ACC proposed conditions will be provided under separate cover and are not included here.



Jenny Raitt, Director
March 11, 2021
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We believe these responses fully address all outstanding BETA Civil and Wetland Peer Review comments. Should you have any questions on this information, please do not hesitate to reach out to me at (617) 896-4321 or jhession@bscgrop.com.

Sincerely,
BSC Group, Inc.

John Hession, P.E.
Vice President

cc: zba@town.arlington.ma.us
Christian Klein, Chair, Arlington ZBA
Marta Nover and William McGrath, BETA
Paul Haverty, Blatman, Bobrowski & Haverty, LLC
Stephanie Kiefer, Smolak & Vaughan
Gwen Noyes and Arthur Klipfel, Arlington Land Realty

Attachments: Layout & Materials Plan, Sheet C-103, revised 3/11/21